

PERMITS

The Contractor is advised that the following pages are copies of the applicable permits for this project. If a permit document includes copies of plan sheets, those pages may not be included herein, but are available from the Department upon request or from the permitting agency.

All general and special conditions required by specific permit(s) shall be executed accordingly and it is the Contractor's responsibility to ensure compliance with said conditions.

Any permits requiring "as-built" information and/or certification shall be prepared by a professional engineer or land surveyor licensed in the state of Florida and shall be the responsibility of the Contractor.

The Contractor is responsible for assuring the completion of appropriate construction certifications, and submittal of the construction completion certifications to permitting agencies as required by each permit referenced in these documents.

All costs associated with meeting said requirements, if not included in a bid item, shall be incidental to the Project and no compensation, either monetary or time, shall be considered.

**The Contractor agrees that the entirety of the permits listed below
shall govern.**

Contract Permits

Permit Number	Permitting Agency	Location of Full Permit Documents
50-12113-W	South Florida Water Management Dist. (Water use Individual Permit)	https://my.sfwmd.gov/ePermitting/
MOD 15426	South Florida Water Management Dist.	See Pages PER-2 - PER-13
RW-19-0005	Lake Worth Drainage Dist. (Right-of-Way Permit)	See Pages PER-14 - PER-20
2020-C-496-00013	FDOT (Florida Dept. of Transportation)	See Pages PER-21 - PER-188
50-0397010-001-SFG	Florida Department of Environmental Protection	See Pages PER-189 - PER-305
FLR20ER25	Florida Department of Environmental Protection	See Pages PER-306 - PER-309

PERMITS



SFWMD NOTICE GENERAL PERMIT NO. MOD 15426
(NON-ASSIGNABLE)

Rev: 9/99

DATE ISSUED: **June 11, 2021**

AUTHORIZING: **REMOVE EXISTING TEMPORARY TRAFFIC POLE (STRAIN POLE), MAST ARM POLE AND LIGHT POLE AND INSTALL BRIDGE MOUNTED LIGHT POLE, 2-PULL BOXES, PEDESTRIAN SIGNAL POLE, PORTION OF A SIDEWALK AND BURIED/BRIDGE MOUNTED ELECTRICAL CONDUIT WITHIN THE NORTH RIGHT OF WAY OF C-51 IMMEDIATELY WEST OF THE BENOIST FARMS BRIDGE.**

LOCATED IN: **PALM BEACH COUNTY, SECTION 32 TOWNSHIP 43S RANGE 42E**

ISSUED TO: **PALM BEACH COUNTY TRAFFIC DIVISION
2300 NORTH JOG ROAD
WEST PALM BEACH, FL 33411**

Attention: **MORTON ROSE**

This permit is issued pursuant to Application No. **21-0309-1M** dated **March 9, 2021** and permittee's agreement to hold and save the South Florida Water Management District and its successors harmless from any and all damages, claims or liabilities which may arise by reason of the construction, maintenance or use of the work or structure involved in the Permit. Said application, including all plans and specifications attached thereto, is by reference made a part hereof. The permittee, by acceptance of this permit, hereby agrees that he/she shall promptly comply with all orders of the District and shall alter, repair or remove his/her use solely at his/her expense in a timely fashion. Permittee shall comply with all laws and rules administered by the District. This permit does not convey to permittee any property rights nor any rights or privileges other than those specified herein, nor relieve the permittee from complying with any law, regulation, or requirement affecting the rights of other bodies or agencies. All structures and works installed by permittee hereunder shall remain the property of the permittee.

This permit is issued by the District as a revocable license to use or occupy District works or lands. It does not create any right or entitlement, either legal or equitable, to the continued use of the District works or lands. Since this permit conveys no right to the continued use of the District works or lands, the District is under no obligation to transfer this permit to any subsequent party. By acceptance of this permit, the permittee expressly acknowledges that the permittee bears all risk of loss as a result of revocation of this permit.

WORK PROPOSED MUST BE COMPLETED ON OR BEFORE December 31, 2021.

Otherwise, this permit is void and all rights there under are automatically canceled unless permittee applies for, in writing, a request for extension to the construction period and such request is received by the District on or before the expiration date and such request is granted, in writing, by the District.

SPECIAL CONDITIONS (SPECIFIC PROJECT CONDITIONS) AND LIMITING CONDITIONS ON ATTACHED SHEETS ARE A PART OF THIS DOCUMENT.

FILED ON June 11, 2021
BY Eliu Cueto
DEPUTY CLERK

BY: John Hixenbaugh
John Hixenbaugh, J.D., AICP CUD
Section Administrator
Right of Way Section

Original Mailed to Permittee on 6-11-21 by Eliu Cueto.

C: Joe Hale
WEST PALM BEACH FIELD STATION
(561) 791-4100, Extension 4110

Copy to: Denys Avila
5713 Corporate Way Suite 200
West Palm Beach, FL 33407

PERMITS

PERMIT NO. MOD 15426

June 11, 2021

SPECIAL CONDITIONS ARE AS FOLLOWS:

1. IMMEDIATELY UPON COMPLETION OF THE AUTHORIZED WORK, PERMITTEE SHALL CONTACT THE DISTRICT'S FIELD REPRESENTATIVE LISTED ON THE FACE OF THIS PERMIT TO SCHEDULE A FINAL INSPECTION. PERMITTEE SHALL BE REQUIRED TO ATTEND THE FINAL INSPECTION AND PROVIDE COPIES OF ANY DELIVERABLES (E.G., CLOSED BUILDING PERMIT, CERTIFIED AS-BUILT DRAWINGS, ETC.) REQUIRED BY THIS PERMIT AT THAT TIME. PERMITTEE SHALL CORRECT ANY DEFICIENCIES IDENTIFIED DURING THE INSPECTION WITHIN THE TIMEFRAME AND IN THE MANNER DIRECTED BY THE DISTRICT'S FIELD REPRESENTATIVE.
2. UNLESS OTHERWISE NOTED BELOW, ALL WORK AUTHORIZED BY RIGHT OF WAY OCCUPANCY PERMIT NO. 15426 AND ITS MODIFICATION(S) IS SUBJECT TO THE SPECIAL AND LIMITING CONDITIONS SET FORTH HEREIN.
3. PRIOR TO COMMENCEMENT OF CONSTRUCTION OR UTILIZATION OF THE DISTRICT'S RIGHT OF WAY, PERMITTEE SHALL SCHEDULE AND HOLD A PRE-CONSTRUCTION MEETING WITH THE DISTRICT'S FIELD REPRESENTATIVE LISTED ON THE FACE OF THIS PERMIT. NO WORK WITHIN THE RIGHT OF WAY SHALL BE AUTHORIZED WITHOUT FIRST HAVING A MEETING AT WHICH PERMITTEE SHALL BE REQUIRED TO OBTAIN NOTICE TO PROCEED FROM THE FIELD REPRESENTATIVE. IF REQUESTED BY THE FIELD REPRESENTATIVE, PERMITTEE SHALL PREPARE AND PRESENT THE FOLLOWING AT THE MEETING: A) COPIES OF ALL PERMITS THAT MUST BE OBTAINED PRIOR TO THE START OF CONSTRUCTION; B) CONTACT INFORMATION FOR PERMITTEE, THE CONTRACTOR AND/OR THIRD-PARTY INDEPENDENT INSPECTOR, INCLUDING TELEPHONE NUMBERS, EMAIL ADDRESSES AND PHYSICAL ADDRESSES; C) WRITTEN INVENTORY OF ALL VEHICLES AND/OR EQUIPMENT BY TYPE TO ENTER UPON THE RIGHT OF WAY; D) WRITTEN PROCEDURES FOR VACATING THE RIGHT OF WAY WITHIN 24 HOURS NOTICE FROM THE DISTRICT; AND E) CONTACT INFORMATION FOR PERSONS AND/OR VENDORS RESPONSIBLE FOR EMERGENCY VACATION FROM THE RIGHT OF WAY. PERMITTEE SHALL PROVIDE, PREPARE AND/OR PRESENT ANY OTHER DOCUMENTATION, AS MAY BE DIRECTED BY THE FIELD REPRESENTATIVE, IN PREPARATION FOR THE PRECONSTRUCTION MEETING.
4. PRIOR TO CONTACTING THE DISTRICT FOR A FINAL INSPECTION, PERMITTEE SHALL REMOVE ALL CONSTRUCTION MATERIALS AND DEBRIS FROM THE DISTRICT'S CANAL AND RIGHT OF WAY AND RESTORE THE RIGHT OF WAY TO THE SATISFACTION OF THE DISTRICT. RESTORATION MAY REQUIRE, BUT NOT BE LIMITED TO, GRADING, COMPACTION OF SOIL, PLACEMENT OF SOD, AND/OR INSTALLATION OF BANK STABILIZATION MATERIALS (E.G., RIP RAP, FILTER FABRIC CLOTH, ETC.). PERMITTEE SHALL BE SOLELY LIABLE FOR ALL COSTS ASSOCIATED WITH RESTORATION OF THE RIGHT OF WAY. ALL RESTORATIVE WORK SHALL BE PERFORMED IN COMPLIANCE WITH DISTRICT AND/OR USACE SPECIFICATIONS AND DIRECTION.
5. IMMEDIATELY UPON COMPLETION OF THE AUTHORIZED WORK, PERMITTEE SHALL CONTACT THE DISTRICT'S FIELD REPRESENTATIVE LISTED ON THE FACE OF THIS PERMIT TO SCHEDULE A FINAL INSPECTION. PERMITTEE SHALL BE REQUIRED TO ATTEND THE FINAL INSPECTION AND PROVIDE COPIES OF ANY DELIVERABLES (E.G., CLOSED BUILDING PERMIT, CERTIFIED AS-BUILT DRAWINGS, ETC.) REQUIRED BY THIS PERMIT AT THAT TIME. PERMITTEE SHALL CORRECT ANY DEFICIENCIES IDENTIFIED DURING THE INSPECTION WITHIN THE TIMEFRAME AND IN THE MANNER DIRECTED BY THE DISTRICT'S FIELD REPRESENTATIVE.
6. PERMITTEE SHALL NOT PLACE SIGNS, SIGNAL POLES, GUARD RAIL OR ANY OTHER IMPROVEMENTS WITHIN THE DISTRICT'S RIGHT OF WAY OR DESIGNATED EQUIPMENT STAGING AREAS UNLESS OTHERWISE AUTHORIZED BY THIS PERMIT.
7. THE AUTHORIZED BURIED FACILITIES SHALL BE INSTALLED WITH A MINIMUM OF 2 FEET OF COVER BELOW THE EXISTING GROUND ELEVATION. VAULTS AND MANHOLES, IF APPLICABLE, SHALL BE INSTALLED SO THE TOP OF THE FACILITY IS SET FLUSH WITH THE EXISTING GROUND AND IN SUCH A MANNER SO AS TO WITHSTAND THE WEIGHT OF THE DISTRICT'S HEAVY MAINTENANCE EQUIPMENT AND VEHICLES.
8. PRIOR TO COMMENCEMENT OF CONSTRUCTION OR UTILIZATION OF THE DISTRICT'S RIGHT OF WAY, PERMITTEE SHALL BE REQUIRED TO CONTACT SUNSHINE 811 AND LOCAL JURISDICTION(S) TO IDENTIFY ANY EXISTING BURIED UTILITIES BY USE OF ABOVE-GROUND MARKERS (FLAGS) AND/OR COLOR-CODED INDICATOR LINES LOCATED WITHIN THE LIMITS OF THE PROPOSED WORK AREA.
9. BASED ON THE DISTRICT'S RECORDS, THE DISTRICT IS NOT THE UNDERLYING FEE OWNER OF PORTIONS OF OR ALL THE LANDS SUBJECT TO THIS PERMIT; THEREFORE, PERMITTEE SHALL BE REQUIRED TO OBTAIN ALL NECESSARY APPROVALS FROM THE UNDERLYING FEE OWNER AS REQUIRED UNDER STANDARD LIMITING CONDITION NO. 5.
10. AT NO TIME SHALL THE CANAL BE BLOCKED OR FLOWS OTHERWISE RESTRICTED OR IMPEDED. THIS RESTRICTION SHALL INCLUDE, BUT NOT BE LIMITED TO, A PROHIBITION ON THE USE OF DAMS OR FILL IN THE CANAL DURING ALL PHASES OF CONSTRUCTION AND ANY SUBSEQUENT FUTURE MAINTENANCE OPERATIONS.
11. THE DISTRICT'S FIELD REPRESENTATIVE SHALL HAVE SOLE AUTHORITY TO DETERMINE WHETHER PERMITTEE'S METHODS OF CONSTRUCTION, INTERIM WORK, CONSTRUCTION ACTIVITY OR USE OF THE RIGHT OF WAY IS IN CONFORMANCE WITH THE PERMIT AUTHORIZATION, INCLUDING TERMS AND CONDITIONS, THE APPLICATION, RESPONSES OR STATEMENTS MADE BY PERMITTEE DURING APPLICATION PROCESSING, AND SUPPORTING DOCUMENTS INCORPORATED INTO THE PERMIT FILE. IF THE DISTRICT'S FIELD REPRESENTATIVE DETERMINES

PERMIT NO. MOD 15426

June 11, 2021

CONTINUED SPECIAL CONDITIONS ARE AS FOLLOWS:

THAT PERMITTEE'S ACTIVITIES ARE NOT IN CONFORMANCE, HE/SHE SHALL ISSUE A STOP WORK ORDER TO PERMITTEE UNTIL SUCH NONCONFORMANCE HAS BEEN RESOLVED TO THE SATISFACTION OF THE DISTRICT. IF PERMITTEE CHOOSES TO PROCEED WITH THE WORK AUTHORIZED BY THIS PERMIT, PERMITTEE ACKNOWLEDGES THIS CONDITION AND AGREES TO CEASE ALL ACTIVITY IN THE DISTRICT'S RIGHT OF WAY IMMEDIATELY UPON RECEIPT OF THE STOP WORK ORDER.

12. PERMITTEE SHALL MAKE PROSPECTIVE BIDDERS AWARE OF THE TERMS AND CONDITIONS OF THIS PERMIT. PERMITTEE SHALL BE RESPONSIBLE FOR ALL ACTIONS OF ITS CONTRACTORS AND AGENTS AND TO ENSURE THAT PARTIES ACTING ON BEHALF OF PERMITTEE COMPLY WITH THE TERMS AND CONDITIONS OF THIS PERMIT.
13. PERMITTEE AND/OR THE PERMITTEE'S CONTRACTORS SHALL ALWAYS MAINTAIN THE DISTRICT'S VEHICULAR ACCESS THROUGHOUT THE PROJECT LIMITS. IF, IN PERMITTEE'S OPINION, IT WILL BE NECESSARY FOR THE DISTRICT'S VEHICULAR ACCESS TO BE BLOCKED, IMPEDED OR ALTERED AT ANY TIME, PERMITTEE SHALL SUBMIT A WRITTEN REQUEST TO THE DISTRICT SETTING FORTH THE PROPOSED ACTIVITIES THAT WILL RESULT IN OBSTRUCTION OF THE RIGHT OF WAY AND THE DATES THAT THE RIGHT OF WAY WILL BE RENDERED INACCESSIBLE. WRITTEN PERMISSION FROM THE DISTRICT SHALL BE REQUIRED PRIOR TO COMMENCEMENT OF PERMITTEE'S PROPOSED OBSTRUCTION OF THE RIGHT OF WAY. THE DISTRICT, AT ITS SOLE DISCRETION, RESERVES THE RIGHT TO APPROVE, APPROVE WITH CONDITIONS OR DENY PERMITTEE'S REQUEST.
14. PERMITTEE SHALL NEITHER CONSTRUCT, INSTALL OR PLACE ADDITIONAL IMPROVEMENTS WITHIN THE DISTRICT'S RIGHT OF WAY, NOR USE THE RIGHT OF WAY FOR ANY ACTIVITY (UNLESS EXPRESSLY AUTHORIZED BY THIS PERMIT) WITHOUT FIRST HAVING OBTAINED A MODIFICATION OF THIS PERMIT. OF PARTICULAR NOTE, THAT AREA MEASURING 40 FEET LANDWARD FROM THE TOP OF BANK SHALL REMAIN FREE AND CLEAR OF ANY OBSTRUCTIONS, IMPROVEMENTS OR USE, UNLESS OTHERWISE AUTHORIZED BY THIS PERMIT.
15. THIS PERMIT SHALL NOT BECOME VALID UNTIL ALL OTHER REQUIRED SOUTH FLORIDA WATER MANAGEMENT DISTRICT, LOCAL, COUNTY AND/OR STATE PERMITS OR OTHER AFFECTED PARTIES' APPROVALS HAVE BEEN OBTAINED. IF THERE IS A CONFLICT BETWEEN THE WORK AUTHORIZED BY THIS PERMIT AND A PERMIT OBTAINED FROM A DIFFERENT PUBLIC OR PRIVATE ENTITY, THE TERMS AND CONDITIONS OF THIS PERMIT SHALL PREVAIL AND HAVE SUPERIORITY.
16. A COPY OF THE PERMIT PACKAGE WILL BE KEPT AT THE JOB SITE UNTIL COMPLETION OF ALL PHASES OF CONSTRUCTION AND APPROVAL OF THE FINAL INSPECTION.
17. IF THE IMPROVEMENTS, WORK AND/OR USE AUTHORIZED BY THIS PERMIT (EITHER DURING CONSTRUCTION OR FOLLOWING COMPLETION) RESULT IN ANY DAMAGE TO THE DISTRICT'S RIGHT OF WAY (E.G., SHOALING, EROSION OR WASH-OUT OF ANY AREA IN THE RIGHT OF WAY), DISTRICT FACILITIES AND/OR ANY OTHER FACILITIES (AUTHORIZED OR UNAUTHORIZED), PERMITTEE SHALL BE SOLELY RESPONSIBLE FOR REPAIRING SUCH DAMAGE. IN ADVANCE OF PERFORMING ANY REPAIRS, PERMITTEE SHALL CONSULT WITH THE DISTRICT TO DETERMINE THE APPLICABLE DISTRICT PROCESSES AND REQUIREMENTS WHICH MAY INCLUDE, BUT ARE NOT LIMITED TO, FILING AN APPLICATION FOR A RIGHT OF WAY OCCUPANCY PERMIT TO SECURE AUTHORIZATION TO PERFORM SUCH WORK. PERMITTEE SHALL BE RESPONSIBLE FOR ALL COSTS AND LIABILITY RESULTING FROM SUCH DAMAGE.
18. THE DISTRICT SHALL NOT BE LIABLE FOR ANY DAMAGE OR LOSS TO ANY IMPROVEMENTS AND/OR RELATED APPURTENANCES AUTHORIZED BY THIS PERMIT RESULTING FROM DISTRICT USE, OPERATION (E.G., GATE, PUMPING AND STRUCTURE OPERATIONS, WATER LEVEL MANAGEMENT, WATER FLOWS, FLUCTUATIONS AND OPERATIONS OF ITS STRUCTURES), ACTIVITY AND/OR MAINTENANCE OF OR IN ITS RIGHTS OF WAY OR OTHER WORKS OF THE DISTRICT.
19. IF STORM, HURRICANE OR EMERGENCY CIRCUMSTANCES DEVELOP, THE DISTRICT IS AUTHORIZED, AT ITS SOLE DISCRETION, TO TEMPORARILY OR PERMANENTLY SUSPEND OR TERMINATE THE AUTHORIZED USE. IN SUCH EVENT, THE DISTRICT WILL CONTACT PERMITTEE TO PROVIDE DIRECTION WHICH MAY INCLUDE, BUT IS NOT LIMITED TO, VACATING THE RIGHT OF WAY, REMOVING AND/OR SECURING EQUIPMENT AND/OR MATERIALS FROM THE RIGHT OF WAY, OR PERFORMING WORK TO ENSURE THAT THE RIGHT OF WAY IS SUFFICIENTLY RESTORED TO ACCOMMODATE DISTRICT OPERATIONS AND MAINTENANCE ACTIVITIES. PERMITTEE, INCLUDING ALL PERSONS, VENDORS, SUB-CONTRACTORS OR AGENTS OF PERMITTEE, SHALL BE REQUIRED TO COMPLY WITH DISTRICT DIRECTION. THE DISTRICT RESERVES THE RIGHT TO TERMINATE THE AUTHORIZED USE IF PERMITTEE FAILS TO MAKE SURE THAT ALL PARTIES COMPLY WITH THIS CONDITION.
20. PERMITTEE SHALL NOT STOCKPILE SOIL, MATERIALS OR DEBRIS IN THE RIGHT OF WAY. SUCH MATERIALS SHALL BE REMOVED FROM THE RIGHT OF WAY UNLESS OTHERWISE SET FORTH BY THE CONDITIONS OF THIS PERMIT. PERMITTEE SHALL EXERCISE BEST MANAGEMENT PRACTICES TO PREVENT EROSION OR SOILS FROM ENTERING THE CANAL DURING THE AUTHORIZED WORK, INCLUDING, BUT NOT LIMITED TO, THE TEMPORARY INSTALLATION OF SILT FENCE OR OTHER MEANS OF CONTAINMENT ACCEPTABLE TO THE DISTRICT.
21. PERMITTEE SHALL BE SOLELY RESPONSIBLE FOR PERFORMING REGULAR AND ROUTINE INSPECTIONS OF THE IMPROVEMENTS AUTHORIZED BY THIS PERMIT AND CORRECTING ANY DEFICIENCIES IDENTIFIED BY SUCH

PERMIT NO. MOD 15426

June 11, 2021

CONTINUED SPECIAL CONDITIONS ARE AS FOLLOWS:

INSPECTIONS TO ENSURE THAT THE IMPROVEMENTS CONTINUE TO COMPLY WITH THE PERMIT AND PERFORM, AS NEEDED, TO PROTECT PUBLIC HEALTH, SAFETY AND WELFARE.

22. THE WORK OR USE AUTHORIZED BY THIS PERMIT SHALL BE COMPLETED BY DECEMBER 31, 2021 UNLESS OTHERWISE EXTENDED BY THE DISTRICT IN WRITING. IF PERMITTEE REQUIRES AN EXTENSION OF THE WORK EXPIRATION DATE, PERMITTEE SHALL SUBMIT A REQUEST FOR AN EXTENSION IN THE MANNER AND FORM, AS DIRECTED BY THE DISTRICT. THE DISTRICT RESERVES THE RIGHT TO APPROVE, APPROVE WITH CONDITIONS OR DENY PERMITTEE'S REQUEST.

END.

SOUTH FLORIDA WATER MANAGEMENT DISTRICT

Application to the South Florida Water Management District for Issuance of a Right of Way Occupancy Permit

RECEIVED

MAR 09 2021

RIGHT OF WAY

3301 Gun Club Road, West Palm Beach, FL 33406-3007
Telephone (561) 686-8800 FL WATS Line 1-800-432-2045

Attention: Right of Way Permitting

Application No. TBD-21-0309-1M

Permittee/Owner(s) Full Name (include all Permittee/Owner(s) if applicable)				
Palm Beach County - Morton L. Rose, PE				
Email Address Mrose@pbcgov.org				
Street Address 2300 North Jog Road	City West Palm Beach	State Florida	ZIP 33411	Telephone No. 561-684-4150
Agents' Name (if applicable) N/A				
Email Address N/A				
Street Address N/A	City N/A	State N/A	ZIP N/A	Telephone No. N/A
REQUESTED USE				
<input type="checkbox"/> New Permit <input checked="" type="checkbox"/> Modification of Existing Permit (Permit Number) <u>15426</u> <input type="checkbox"/> Proposed <input type="checkbox"/> Existing <input type="checkbox"/> Both				
LOCATION OF PROJECT				
(Note: Copy of recent property/boundary survey and aerial map of property tied to a well-known landmark must be provided)				
Work or Land (canal or levee) Involved SFWMD C-51 Canal	County Palm Beach	Section 32	Township 43 South	Range 42 East
Lot No. N/A	Block No. N/A	Subdivision Name N/A		
DESCRIPTION OF PROJECT				
(Note: Check all uses/facilities that apply)				
<input type="checkbox"/> Bridge <input type="checkbox"/> Bulkhead/Seawall <input type="checkbox"/> Culvert <input type="checkbox"/> Dock <input type="checkbox"/> Fencing <input type="checkbox"/> Landscaping <input type="checkbox"/> Temporary Use (access/storage) <input type="checkbox"/> Utility Installation <input checked="" type="checkbox"/> Other (include description below)				
<p>This permit is being requested to modify the existing temporary signal span wire that extends along the western leg of the Benoist Farms Road/Southern Boulevard signalized intersection. A modification of the temporary span is required to accommodate future traffic signal improvements, as detailed in the attached Signal Plans (Sheet T-15 of T-15). Once the future traffic signal improvements have been completed, the entire temporary span wire system will be removed. Also, a new pedestrian signal is proposed in the SW corner of the signalized intersection as part of the proposed signalization improvements (refer to Sheet Nos. T-6 and T-15 of T-15). A modification of NGP No. 15426 is being requested.</p>				

40E-6.381 LIMITING CONDITIONS

The District's authorization to utilize lands and other works constitutes a revocable license (including both notice general permits and standard permits). In consideration for receipt of that license, permittees shall agree to be bound by the following standard limiting conditions, which shall be included within all permits issued pursuant to this chapter:

1) All structures on District works or lands constructed by permittee shall remain the property of permittee, who shall be solely responsible for ensuring that such structures and other uses remain in good and safe condition. Permittees are advised that other federal, state and local safety standards may govern the occupancy and use of the District's lands and works. The District assumes no duty with regard to ensuring that such uses are so maintained and assumes no liability with regard to injuries caused to others by any such failure.

2) Permittee solely acknowledges and accepts the duty and all associated responsibilities to incorporate safety features, which meet applicable engineering practice and accepted industry standards, into the design, construction, operation and continued maintenance of the permitted facilities/authorized use. This duty shall include, but not be limited to, permittee's consideration of the District's regulation and potential fluctuation, without notice, of water levels in canals and works, as well as the permittee's consideration of upgrades and modifications to the permitted facilities/authorized use which may be necessary to meet any future changes to applicable engineering practice and accepted industry standards. Permittee acknowledges that the District's review and issuance of this permit, including, but not limited to, any field inspections performed by the District, does not in any way consider or ensure that the permitted facilities/authorized use is planned, designed, engineered, constructed, or will be operated, maintained or modified so as to meet applicable engineering practice and accepted industry standards, or otherwise provide any safety protections. Permittee further acknowledges that any inquiries, discussions, or representations, whether verbal or written, by or with any District staff or representative during the permit review and issuance process, including, but not limited to, any field inspections, shall not in any way be relied upon by permittee as the District's assumption of any duty to incorporate safety features, as set forth above, and shall also not be relied upon by permittee in order to meet permittee's duty to incorporate safety features, as set forth above.

3) Permittee agrees to abide by all of the terms and conditions of this permit, including any representations made on the permit application and related documents. This permit shall be subject to the requirements of Chapter 373, F.S., and Chapter 40E-6, F.A.C., including all subsequent rule and criteria revisions. Permittee agrees to pay all removal and restoration costs, investigative costs, court costs and reasonable attorney's fees, including appeals, resulting from any action taken by the District to obtain compliance with the conditions of the permit or removal of the permitted use. If District legal action is taken by staff counsel, "reasonable attorney's fees" is understood to mean the fair market value of the services provided, based upon what a private attorney would charge.

4) This permit does not create any vested rights, and except for governmental entities and utilities, is revocable at will upon reasonable prior written notice. Permittee bears all risk of loss as to monies expended in furtherance of the permitted use. Upon revocation, the permittee shall promptly modify, relocate or remove the permitted use and properly restore the right of way to the District's satisfaction. In the event of failure to so comply within the specified time, the District may remove the permitted use and permittee shall be responsible for all removal and restoration costs.

5) This permit does not convey any property rights nor any rights or privileges other than those specified herein and this permit shall not, in any way, be construed as an abandonment or any other such impairment or disposition of the District's property rights. The District approves the permitted use only to the extent of its interest in the works of the District. Permittee shall obtain all other necessary federal, state, local, special district and private authorizations prior to the start of any construction or alteration authorized by the permit. Permittee shall comply with any more stringent conditions or provisions which may be set forth in other required permits or other authorizations. The District, however, assumes no duty to ensure that any such authorizations have been obtained or to protect the legal rights of the underlying fee owner, in those instances where the District owns less than fee.

6) Unless specifically prohibited or limited by statute, Permittee agrees to indemnify, defend and save the District (which used herein includes the District and its past, present and/or future employees, agents, representatives, officers and/or Governing Board members and any of their successors and assigns) from and against any and all lawsuits, actions, claims, demands, losses, expenses, costs, attorney's fees (including but not limited to the fair market value of the District's in-house attorneys' fees based upon private attorneys' fees/rates), judgments and liabilities which arise from or may be related to the ownership, construction, maintenance or operation of the permitted use or the possession, utilization, maintenance, occupancy or ingress and egress of the District's right of way which arise directly or indirectly and are caused in whole or in part by the acts, omissions or negligence of the Permittee or of third parties. Permittee agrees to provide legal counsel acceptable to the District if requested for the defense of any such claims.

7) The District does not waive sovereign immunity in any respect.

8) The permittee shall not engage in any activity regarding the permitted use which interferes with the construction, alteration, maintenance or operation of the works of the District, including:

- a) discharge of debris or aquatic weeds into the works of the District;
- b) causing erosion or shoaling within the works of the District;
- c) planting trees or shrubs or erecting structures which limit or prohibit access by District equipment and vehicles, except as may be authorized by the permit. Permittee shall be responsible for any costs incurred by the District resulting from any such interference, as set forth in (a), (b), and (c), above.

Permittee shall be responsible for any costs incurred by the District resulting from any such interference, as set forth in a), b), and c), above;

- d) leaving construction or other debris on the District's right of way or waterway;
- e) damaging District berms and levees;

PERMITS

- f) the removal of District owned spoil material;
- g) removal of or damage to District locks, gates, and fencing;
- h) opening of District rights of way to unauthorized vehicular access; or
- i) running or allowing livestock on the District's right of way.

9) The District is not responsible for any personal injury or property damage which may directly or indirectly result from the use of water from the District's canal or any activities which may include use or contact with water from the District's canal, since the District periodically sprays its canals for aquatic weed control purposes and uses substances which may be harmful to human health or plant life.

10) Permittee shall allow the District to inspect the permitted use at any reasonable time.

11) Permittee shall allow, without charge or any interference, the District, its employees, agents, and contractors, to utilize the permitted facilities before, during and after construction for the purpose of conducting the District's, routine and emergency, canal operation, maintenance, and construction activities. To the extent there is any conflicting use, the District's use shall have priority over the permittee's use.

12) This permit is a non-exclusive revocable license. Permittee shall not interfere with any other existing or future permitted uses or facilities authorized by the District.

13) The District has the right to change, regulate, limit, schedule, or suspend discharges into, or withdrawals from, works of the District in accordance with criteria established by the Big Cypress Basin, the District, or the U. S. Army Corps of Engineers for the works of the District.

14) If the use involves the construction of facilities for a non-exempt water withdrawal or surface water discharge, the applicant must apply for and obtain a water use or surface water management permit before or concurrently with any activities which may be conducted pursuant to the right of way occupancy permit.

15) The District shall notify the local ad valorem taxing authority of the lands affected by the permitted use, where the permittee owns the underlying fee and derives a substantial benefit from the permitted use. The taxing authority may reinstate such lands on the tax roll. Failure to pay all taxes in a timely manner shall result in permit revocation. Such permit revocation shall not alleviate the responsibility of the permittee to pay all taxes due and payable.

16) Permittee shall provide prior written notice to their successors in title of the permit and its terms and conditions.

17) Permittee authorizes the District to record a Notice of Permit through filing the appropriate notice in the public records of the county or counties where the project is located. Governmental entities and utilities are not subject to this provision.

18) Permittee shall be responsible for the repair or replacement of any existing facilities located within the District's right of way which are damaged as a result of the installation or maintenance of the authorized facility.

19) All obligations under the terms of this permit authorization and any subsequent modifications hereto shall be joint and several as to all owners.

20) It is the responsibility of the permittee to make prospective bidders aware of the terms and conditions of this permit. It shall be the responsibility of the permittee's contractors to understand the terms and conditions of this permit and govern themselves accordingly.

21) It is the responsibility of the permittee to bring to the attention of the District any conflict in the permit authorization or permit conditions in order that they may be resolved prior to the start of construction. In resolving such conflicts the District's determination will be final.

22) Special Conditions that are site specific shall be incorporated into every permit as may be necessary in the best interest of the District.

23) The District is not responsible for the repair of or claims of damage to any facilities and uses which may incur damage resulting from the District's utilization of its rights of way or use by third parties. Improvements placed within the right of way are done so at the sole risk of the owner.

Rulemaking Authority 373.044, 373.113 FS. Law Implemented 373.085(1), 373.086, 373.103, 373.109, 373.129, 373.1395, 373.603, 373.609, 373.613 FS. History—New 9-3-81, Formerly 16K-5.01(2), 16K-5.02(2), 16K-5.03(2), 16K-5.04(4), 16K-5.05, Amended 5-30-82, 12-29-86, 12-24-91, 9-15-99


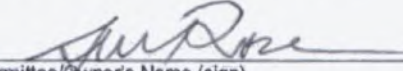
PERMITS

In compliance with provisions of Chapter 373, Florida Statutes and Chapter 40E-6, Florida Administrative Code, application is hereby made for a Right of Way Occupancy Permit in accordance with support drawings, data and incidental information filed with this application and made a part of this application. I hereby certify that all information contained in or made a part hereof is true and correct to the best of my knowledge, that any permit issued shall require that the permitted use be constructed and operated in accordance with such information.

I further certify that I have read the Standard Limiting Conditions appearing on this application and understand that said conditions will be incorporated within any permit issued pursuant to the application, unless expressly waived by the Governing Board. I further acknowledge that the SFWMD may incorporate additional special conditions as may be necessary in the best interest of the District.

In signing this application, I acknowledge that failure to comply with all conditions of this permit may result in permit revocation, financial assurance or bond forfeiture, and remedial action against me by the SFWMD. I assume full responsibility for the actions of all my employees, agents and persons, whether under direct contractual obligation to me or indirectly, with respect to compliance with the conditions and limitations contained within this application or within a permit issued as a result of this application.

NOTE: Either Permittee/Owner – or – Agent can sign

 Morton Rose, PE _____ Permittee/Owner's Name (print or type)	 _____ Permittee/Owner's Name (sign)	1/21/21 _____ Date
N/A _____ Agent Name (print or type)	N/A _____ Agent Name (sign)	N/A _____ Date

Please be sure the following accompany the submittal of your application:

Application Processing Fee (if applicable)

8 1/2" x 11" Drawings describing the use or facilities

All other information as outlined in the Criteria Manual

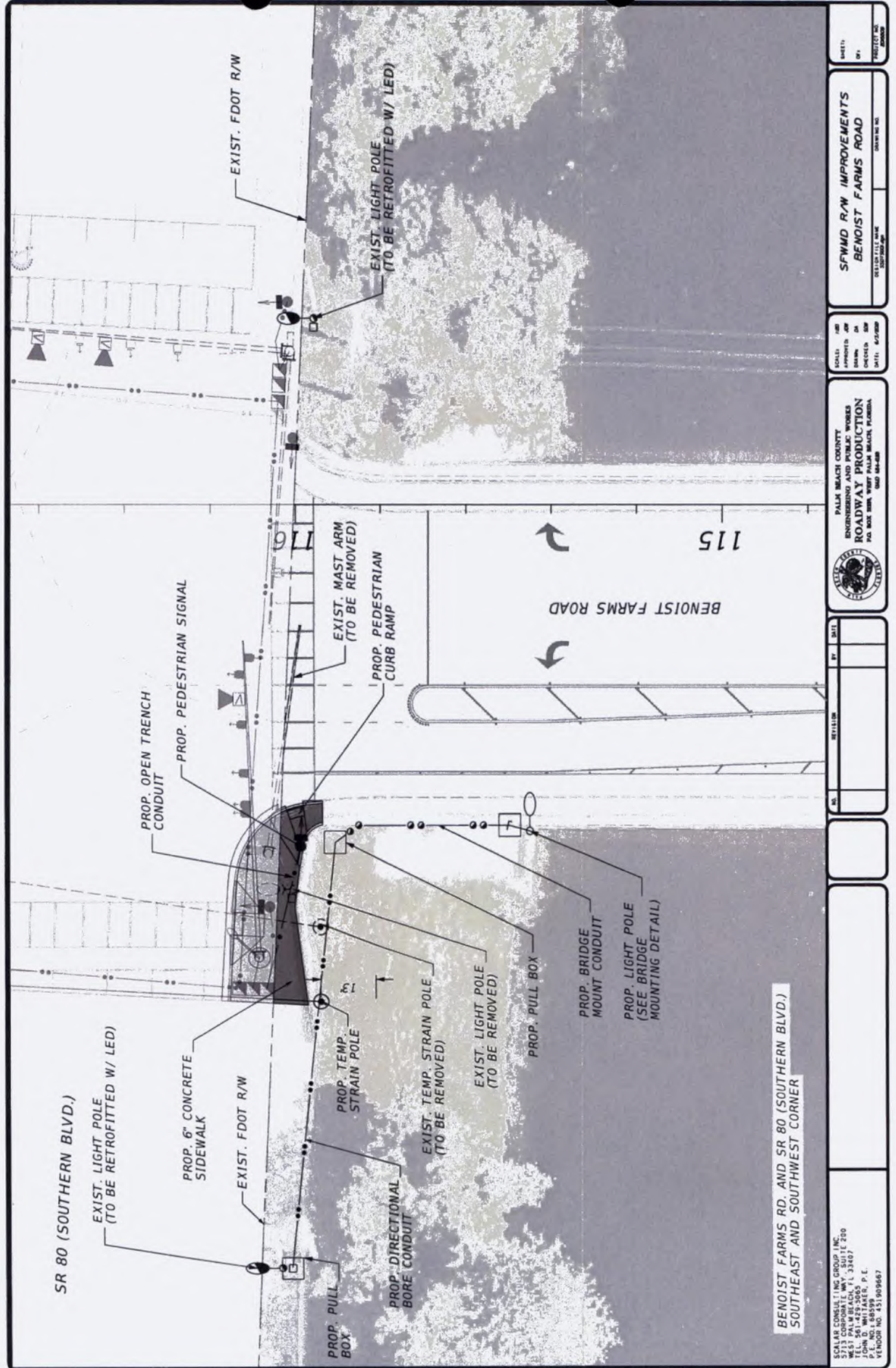
Submit the original application package and 3 duplicates

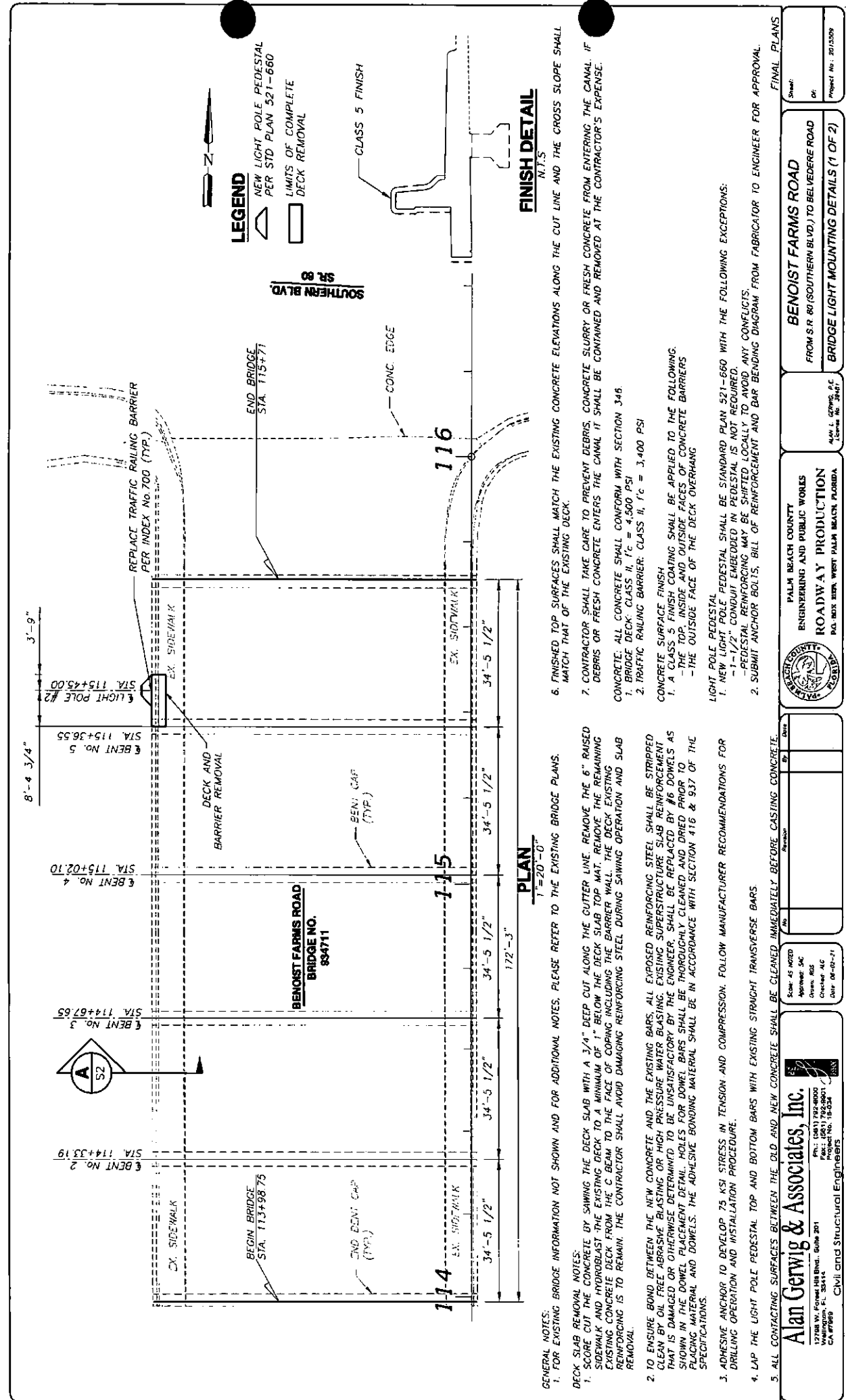
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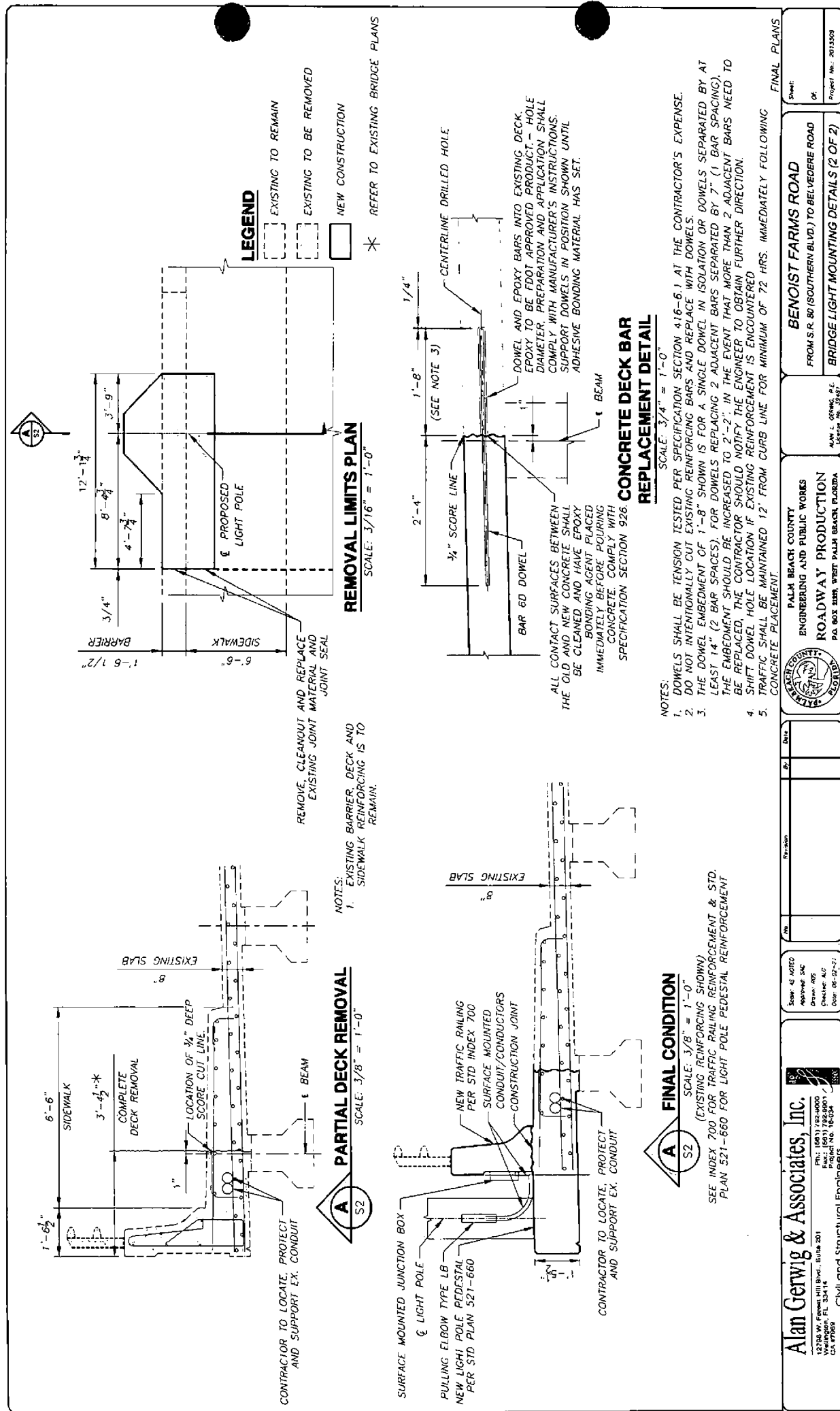
MAR 09 2021

RIGHT OF WAY

21-0309-1A









SOUTH FLORIDA WATER MANAGEMENT DISTRICT

Dear Permittee:

SUBJECT: Issuance of a Right of Way Occupancy Permit

Enclosed please find the Right of Way Occupancy Permit issued pursuant to application for permit.

Your attention is directed to review all of the terms, Limiting Conditions, Special Conditions and drawings contained in the Right of Way Occupancy Permit. Please note that this Permit shall not become valid until all other required permits/approvals are obtained from the South Florida Water Management District; U.S. Army Corps of Engineers; other local, county and/or state agencies; or other affected parties. The Permittee understands and shall comply with any more stringent conditions set forth in other required permits and approvals.

In particular, please note that as local and regional water management needs change, District rights of way may need to be restored or otherwise changed to meet these needs. As a result, facilities authorized by Right of Way Occupancy Permits may be subject to future removal pursuant to Limiting Conditions (3) and (4).

In the event you object to the terms, Limiting or Special Conditions, please refer to the enclosed "Notice of Rights" which addresses the procedures you must follow should you desire a public hearing or other review of the agency action. If an objection is not filed as specified in the "Notice of Rights", prior to construction of the authorized facilities or engaging in the authorized uses, then in addition to waiving important legal administrative rights, you will be deemed to have concurred with the District's terms, Limiting and Special Conditions.

Please contact this office should you have any questions or require assistance on this matter.

I HEREBY CERTIFY that a "Notice of Rights" has been furnished by U.S. Mail to the Permittee.

A handwritten signature in blue ink, appearing to read "Matthew Bolton", is written over a horizontal line.

Matthew Bolton
Right of Way Technician II
Right of Way Section
Field Operations

PERMITS



LAKE WORTH DRAINAGE DISTRICT Right-of-Way Permit

Date Issued: 02/01/2021

Permit No.: RW-19-0005

Permittee: Palm Beach County Engineering & Public Works Department
2300 N. JOG ROAD, 3RD FLOOR
West Palm Beach, FL 33411

Permit Use Type: Multiple

Project Description: Installation of Three (3) Drainage Outfall Connections with Concrete Endwalls extending eastward into the western LWDD E-2 Canal R/W at Sta. 121+11.00 (60.00' RT; Structure No. S-7); at Sta. 125+12.00 (51.00' RT; S-14); at Sta. 146+50.00 (43.00' RT; S-40). Sta. 121+11.00 is approximately 700' north of the centerline of Southern Boulevard and stationing continues northward; Installation of a 24' westward extension of the existing 72" RCP Culvert Crossing at the intersection of Benoist Farms Road and the LWDD L-4 Canal.
SFWMD Permit No. 50-104189-P; PBC Project No. 2015509

Project Location: LWDD L-4 Canal
Section 32, Township 43 S, Range 42 E

This permit is issued by the Lake Worth Drainage District (LWDD) pursuant to an initial application received on 08/14/2018. The application, including all plans and specifications submitted to LWDD, is by reference made a part hereof.

This permit is a revocable authorization to use or occupy LWDD right-of-way, subject to the general and special conditions contained herein, which the permittee acknowledges and agrees to be bound by acceptance of this permit.

Should the permittee object to any permit conditions, a request to petition the LWDD Board of Supervisors must be submitted in writing no later than 30 days from date of permit issuance. The LWDD Board of Supervisors will consider the petition at the next available Board meeting, providing the petition is received more than 10 business days prior to the next available Board meeting. All petitions should include permittee name, contact information, condition(s) being contested, and explanation of disputed items.

1.0 General Conditions

- 1.1** All structures and/or works located on LWDD rights-of-way constructed by permittee shall remain the property of the permittee, who shall be solely responsible for ensuring that such structures and other uses remain in good and safe condition. It is left to the sole discretion of LWDD to determine if the facilities are being properly maintained. Permittees are advised that other federal, state and local safety standards may govern the occupancy and use of the LWDD's rights-of-way. The LWDD assumes no duty with regard to ensuring that such uses are so maintained and assumes no liability with regard to injuries caused to others by any such failure.
- 1.2** Permittee solely acknowledges and accepts the duty and all associated responsibilities to incorporate safety features, which meet applicable engineering practice and industry standards, into the design, construction, operation and continued maintenance of the permitted facilities/authorized use. This duty shall include, but not be limited to, permittee's consideration of LWDD's regulation and fluctuation, without notice, of water levels in canals and works, as well as the permittee's consideration of upgrades and modifications to the Permitted facilities/authorized use which may be

PERMITS

necessary to meet any future changes to applicable engineering practice and accepted industry standards. Permittee acknowledges that LWDD's review and issuance of this permit, including, but not limited to, any field inspections performed by LWDD, does not in any way consider or ensure that the permitted facilities/authorized use is planned, designed, engineered, constructed, or will be operated, maintained or modified to meet applicable engineering practice and accepted industry standards, or otherwise provide any safety protections. Permittee further acknowledges that any inquiries, discussions, or representations, whether verbal or written, by or with any LWDD staff or representative during the application review and permit issuance process, including, but not limited to, any field inspections, shall not in any way be relied upon by permittee as LWDD's assumption of any duty to incorporate safety features, as set forth above, and shall also not be relied upon by permittee in order to meet permittee's duty to incorporate safety features, as set forth above.

- 1.3** Permittee agrees to abide by all terms and conditions of this permit, including any representations made on the permit applications and related documents. Permittee agrees to pay all demolition, removal and restoration costs, investigative costs, court costs and reasonably attorney's fees, including appeals, resulting from any action taken by LWDD to obtain compliance with the conditions of the permit or removal of the permitted use. If legal action is taken by LWDD, "reasonable attorney's fees" is understood to mean the fair market value of the services provided, based upon what a private attorney would charge.
- 1.4** This permit does not create any vested rights, and except for governmental entities and utilities, is revocable at will upon 30 days prior written notice. LWDD reserves the right to amend the terms and conditions contained herein at any time and for any reason. Permittee bears all risk of loss as to monies expended in furtherance of the permitted use. Upon revocation, the permittee shall promptly modify, relocate or remove the permitted use and properly restore the right-of-way to the LWDD's satisfaction. In the event of failure to so comply within the specified time frame, LWDD may remove the permitted use and permittee shall be responsible for all removal and restoration costs. In addition, the permittee agrees and acknowledges that any failure to comply constitutes a violation of section 298.66, Florida Statutes, and LWDD may pursue any and all remedies available under law.
- 1.5** This permit does not convey any property rights nor any rights or privileges other than those specified herein and this permit shall not, in any way, be construed as an abandonment of any other such impairment or disposition of LWDD's property rights. The LWDD approves the permitted use only to the extent of its interest in the works of LWDD. Permittee shall obtain all other necessary federal, state, local, special district and private authorizations prior to the start of any construction or alteration authorized by this permit. Permittee shall comply with any more stringent conditions or provisions which may be set forth in other required Permits or other authorizations. However, the LWDD, assumes no duty to ensure that any such authorizations have been obtained or to protect the legal rights of the underlying fee owner, in those instances where the LWDD owns less than fee.
- 1.6** Unless specifically prohibited or limited by statute, permittee agrees to indemnify, defend and save the LWDD (which used herein includes LWDD and its past, present and/or future employees, agents, representatives, officers and/or Board members and any of their successors and assigns) from and against any and all lawsuits, actions, claims, demands, losses, expenses, costs, attorney's fees, judgements and liabilities which arise from or may be related to the ownership, construction, maintenance or operation of the permitted use or the possession, utilization, maintenance, occupancy or ingress and egress of the LWDD's right-of-way which arise directly or indirectly and are caused in whole or in part by the acts, omissions or negligence of the permittee or of third parties. Permittee acknowledges that LWDD is exempt from liability for personal injury and damages that may occur as a result of permitted use or activity by virtue of Chapter 2009-258, Laws of Florida. Permittee agrees to provide legal counsel acceptable to the LWDD if requested for the defense of any such claims.
- 1.7** Permittee releases LWDD for any and all damages that may be caused by LWDD to the permitted use, while exercising its responsibilities and obligations of maintenance of its drainage system. The LWDD is not responsible for the repair of or claims of damage to any facilities and uses which may incur damage resulting from water fluctuations or flows, or by the use of LWDD's rights-of-way by LWDD or a third party. Improvements placed within the right-of-way are done so at the sole risk of the owner/permittee.
- 1.8** The LWDD is not responsible for any personal injury or property damage which may directly or

PERMITS

indirectly result from the use of water from the LWDD canals or any activities which may include use of contact with water from LWDD canals, since LWDD periodically sprays its canals and/or rights-of-way for aquatic weed control purposes and uses substances which may be harmful to human health or plant life.

- 1.9** The LWDD does not waive sovereign immunity, per section 768.28, Florida Statutes.
- 1.10** As specified by LWDD, permittee shall maintain insurance coverage to the required amounts and limits throughout the duration of the permit.
- 1.11** The permittee shall not engage in any activity regarding the permitted use which interferes with the construction, alteration, maintenance or operation of the works of LWDD including, but not limited to:
 - a) discharging of debris or aquatic weeds into the works of LWDD; b) causing erosion or shoaling within the works of LWDD; c) planting trees or shrubs or erecting structures which limit or prohibit access by LWDD equipment and vehicles, except as authorized by the permit; d) leaving construction or other debris on the LWDD right-of-way or waterway; e) damaging LWDD berms and levees; f) removing of LWDD owned spoil material; g) removing or damaging LWDD locks, gates, and fencing; h) opening of LWDD rights-of-way to unauthorized vehicular access; or i) running or allowing livestock on the LWDD rights-of-way.
- 1.12** Permittee shall allow all LWDD staff the right to inspect the permitted use at any reasonable time.
- 1.13** Permittee shall allow, without charge or any interference, the LWDD, its employees, agents, and contractors, to utilize the permitted facilities before, during and after construction for the purpose of conducting LWDD's routine and emergency, canal operation, maintenance, and construction activities. To the extent there is a conflicting use, the LWDD's use shall have priority over the permittee's use.
- 1.14** This permit is non-exclusive and revocable. Permittee shall not interfere with any other existing or future permitted uses or facilities authorized by the LWDD.
- 1.15** If the use involves the construction of facilities for a non-exempt water withdrawal or surface water discharge, the permittee must apply for and obtain the appropriate water management permit before or concurrently with any activities which may be conducted pursuant to this permit.
- 1.16** Permittee authorizes the LWDD to record the permit through filing the appropriate notice in the public records of Palm Beach County. Governmental entities and utilities are not subject to this provision.
- 1.17** Permittee shall be responsible for the repair or replacement of any existing facilities located within the LWDD right-of-way which are damaged as a result of construction or maintenance of the authorized facility.
- 1.18** If determined that the permitted use interferes with LWDD's canal maintenance, operations or rehabilitation efforts, permittee agrees that all or part of the permitted use must be removed and/or reconstructed at permittees expense.
- 1.19** Permittee shall provide prior written notice to their successors in title of the permit and its terms and conditions. As the LWDD has no control over the sale or transfer of real or personal property, it is the sole obligation of a permittee to disclose the existence of an LWDD right-of-way permit, its terms and conditions to prospective purchasers.
- 1.20** Permittee agrees that the transfer of any rights, title or interests of the property or facility ownership referenced in this permit herein shall require a transfer of permit. Within thirty (30) days of any transfer of interest or control of the subject property, the permittee must notify the LWDD in writing of the property transfer. Notification of the transfer does not by itself constitute a permit transfer. All successors and assigns shall be required to apply for a transfer of permit with LWDD within 60 days of obtaining property or facility. LWDD shall have the right to approve in writing the successors and assigns of transfer of any rights or conditions contained in this permit, which approval shall not be unreasonably withheld. Failure to submit a transfer of permit shall be considered a default of the terms and conditions of this permit and LWDD shall have the right to terminate this permit upon 10 days

PERMITS

written notice to permittee.

- 1.21** This permit is issued by the LWDD as a license to use or occupy LWDD works or lands. It does not create any right of entitlement, either legal or equitable, to the continued use of the LWDD works or lands. Since this permit conveys no right to the continued use of the works or lands, the LWDD is under no obligation to transfer this permit to any subsequent owner. By acceptance of this permit, the permittee expressly acknowledges that the permittee bears all risks of loss as a result of the revocation of this permit.
- 1.22** Permittee agrees that no other encroachments and/or facilities shall be located within the right-of-way without prior authorization from LWDD.
- 1.23** It shall be the responsibility of the permittee to locate and protect the underground facilities of the LWDD or those of others prior to and during construction.
- 1.24** Permittee shall take the necessary precautions to prevent turbidity and/or silting upstream or downstream during construction.
- 1.25** All unpermitted facilities installed prior to or during construction must be removed prior to the project's final approval.
- 1.26** The permittee must make a copy of this permit available and/or post at the job site prior to and during any construction. Failure to comply may result in suspension of construction.
- 1.27** Permittee agrees that significant construction shall commence within one year and construction be completed within two (2) years from the date of permit issuance or the permit may terminate and a new permit application must be submitted. The new application must meet current operating policies including current applicable fees. Prior to the expiration date, the permittee may submit a request in writing for an extension of time to commence or complete construction.
- 1.28** Permittee or permittee's representative shall notify the LWDD construction inspector at least forty-eight (48) hours prior to any work to be undertaken within LWDD rights-of-way. All underground installations must be inspected prior to backfilling.
- 1.29** No dewatering into LWDD canals is authorized until written notification of approval from South Florida Water Management District has been submitted to LWDD.
- 1.30** Any non-compliance by the permittee of any condition listed herein will result in the termination of this permit, removal of permitted uses or facilities at the permittees expense, and/or LWDD requesting other jurisdictional agencies to withhold their final approvals.
- 1.31** Permittee shall submit record drawings within sixty (60) days of project completion. Drawings shall be signed and sealed by a Florida Professional Engineer and shall include sufficient information to show that the permitted facilities have been installed or constructed in substantial compliance with the plans and design approved by the LWDD. All elevations shall be referenced to N.G.V.D. 1929 (adjusted). In lieu of signed and sealed record drawings utility cable companies may submit, within sixty (60) days of project completion, a project certification stating that the permitted facilities have been installed or constructed in substantial compliance with the plans and design approved by the LWDD. Failure of the permittee to provide these drawings or certification within the time specified may result in LWDD revoking this permit and requesting that all jurisdictional agencies withhold their final approval until the drawings are received and approved by LWDD.
- 1.32** Special Conditions that are specific to the project site and right-of-way usage shall be incorporated into this permit as may be necessary in the best interest of the LWDD.

PERMITS

2.0 Special Conditions

- 2.1** If authorized pursuant to the approved plans, permittee is to construct any sidewalk or pathway that is proposed within LWDD's rights-of-way with six-inch (6") thick concrete, or to meet LWDD approved alternate loading and material(s). The LWDD will not be held responsible or liable for any damage to the sidewalk or pathway resulting from LWDD operations and maintenance procedures, or any property damage or personal injury resulting from any sidewalk or pathway damage. All repairs are to be the responsibility of the permittee.
- 2.2** Permittee shall restore LWDD's right-of-way to its original or better condition where disturbed by construction activity.
- 2.3** Where improvements are erected on lots or parcels contiguous to LWDD canals, the permittee shall install gutters and downspouts eliminating surplus water overland flow, assuring the route of said water into the on-site drainage facility and/or storm sewer system.
- 2.4** All underground utility installations in LWDD rights-of-way must have a minimum depth (cover) of thirty-six inches (36") unless an alternate design is approved. All underground utilities placed within LWDD's canal rights-of-way must be identified with LWDD approved permanent witness markers identifying utility type and location.
- 2.5** Permittee agrees that the stormwater discharge authorized by this permit shall comply with all applicable provisions of Part IV of Chapter 373, Florida Statutes, as well as applicable management and storage of surface water rules pursuant to current Chapter 62-330, Florida Administrative Code. All costs of correcting any violations shall be the exclusive obligation of permittee.
- 2.6** The permittee, LWDD approved assignees, and/or successors in title agree to operate and maintain the system/facility in perpetuity, including correction of any damages caused as a result of this installation. Pursuant to General Conditions of this permit, the permittee agrees that the transfer of any rights, title or interests of the property or facility ownership referenced in this permit herein shall require a transfer of this permit.
- 2.7** In the event it becomes necessary for LWDD to expand or further utilize its facilities within its right-of-way, the permittee shall after reasonable notice (the same not to exceed sixty (60) days), effect such removal of the permitted facility as LWDD may reasonably require from time to time so as to allow and not delay LWDD canal or right-of-way improvements and further, the permittee shall maintain in good safe operating condition the facility permitted and involved herein.
- 2.8** Permittee may, at its sole expense, modify the facility involved and installed herein under the condition that same does not unreasonably interfere with LWDD's use of its right-of-way and under the condition that the plans and specifications for such modification have been permitted by LWDD through application of a permit modification.
- 2.9** It shall be the responsibility of the permittee or permittee's contractor(s) installing the above described facility to maintain the continuous uninterrupted free flow of water in the canal. It shall further be the duty of the Permittee to obtain the approval of LWDD for any construction methods, which would be contrary to the above. The permittee shall also be responsible for the installation of silt screens and/or turbidity barriers as necessary to maintain the clarity of the water. PERMITTEE'S FAILURE TO COMPLY WITH WRITTEN NOTICE OF A VIOLATION OF THE CONDITIONS OF THIS PERMIT SHALL, AFTER FIVE (5) WORKING DAYS, AUTOMATICALLY WITHOUT FURTHER NOTICE VOID THIS PERMIT, BUT NOT THE PERMITTEE'S LIABILITY INVOLVED HEREIN. ANY BOND CONDITIONED BY THIS PERMIT SHALL BE UTILIZED FOR THE RESTORATION OF ANY DAMAGES DONE TO THE CANAL RIGHT-OF-WAY BY THE PERMITTEE OR THE PERMITTEE'S CONTRACTOR(S).

PERMITS

- 2.10** This permit is issued based on the applicant's submitted information which reasonably demonstrates that no adverse water resource related impacts will be caused by the completed permit activity. Should it be determined that adverse impacts caused by the completed surface water management system have taken place, including the discharge of nutrient concentrations to canals that cause an imbalance in natural populations of aquatic flora and fauna, then LWDD shall require the permittee to develop a source control plan [i.e. consisting of chemical treatment and/or implementation of best management practices (BMPs)]. Additionally, LWDD may require the permittee to modify the permit in order to implement components of the source control plan.
- 2.11** Permittee shall provide a report to LWDD every five years, prepared and signed and sealed by a professional Florida engineer as to the structural integrity of the culvert crossing.
- 2.12** Permittee will be responsible for the removal of any silt and/or sediment as indicated in the pipe inspection required by Special Permit Condition 2.12.
- 2.13** Pursuant to the approved plans, the emergency control type structure(s) shall remain closed at all times unless specific written approval is granted by LWDD for its operation. At no time, shall the structure(s) be operated to bypass the water quality detention requirements for the project or to lower the lake levels below the permitted control elevation for the project. If for whatever reason it is determined that the permittee is not complying with the directives of the LWDD, and/or is operating the structure(s) contrary to their intended purpose as an emergency outflow, the structure(s) shall be modified by LWDD to render the emergency structure(s) inoperable. In addition, the emergency structure(s) shall be equipped with a lock mechanism to prevent its unauthorized use, and a staff gauge shall be installed upstream of the structure(s) so that lake levels within the project can be quickly determined. By accepting this permit, the permittee and/or assigns agree to allow LWDD to ingress/egress and render the emergency portion of the structure(s) inoperable for non-compliance or to prevent potential or actual unacceptable adverse impacts.
- 2.14** At the time of installation, a permanent benchmark shall be established at 2nd order, class II or better on top of the control structure(s) with the elevation clearly defined, pursuant to the National Geodetic Survey standards and requirements for leveling.
- 2.15** The permittee (Palm Beach County) will extend the outfalls at Sta. 121+11.00 (60.00' RT; Structure No. S-7); at Sta. 125+12.00 (51.00' RT; S-14); at Sta. 146+50.00 (43.00' RT; S-40) proposed under project #2015509 should LWDD relocate the canal to the east to the ultimate design section in the future. However, Permittee shall not be required to extend the outfalls if the LWDD E-2 Canal is reshaped or moved eastward as a result of private development.

Approved by:

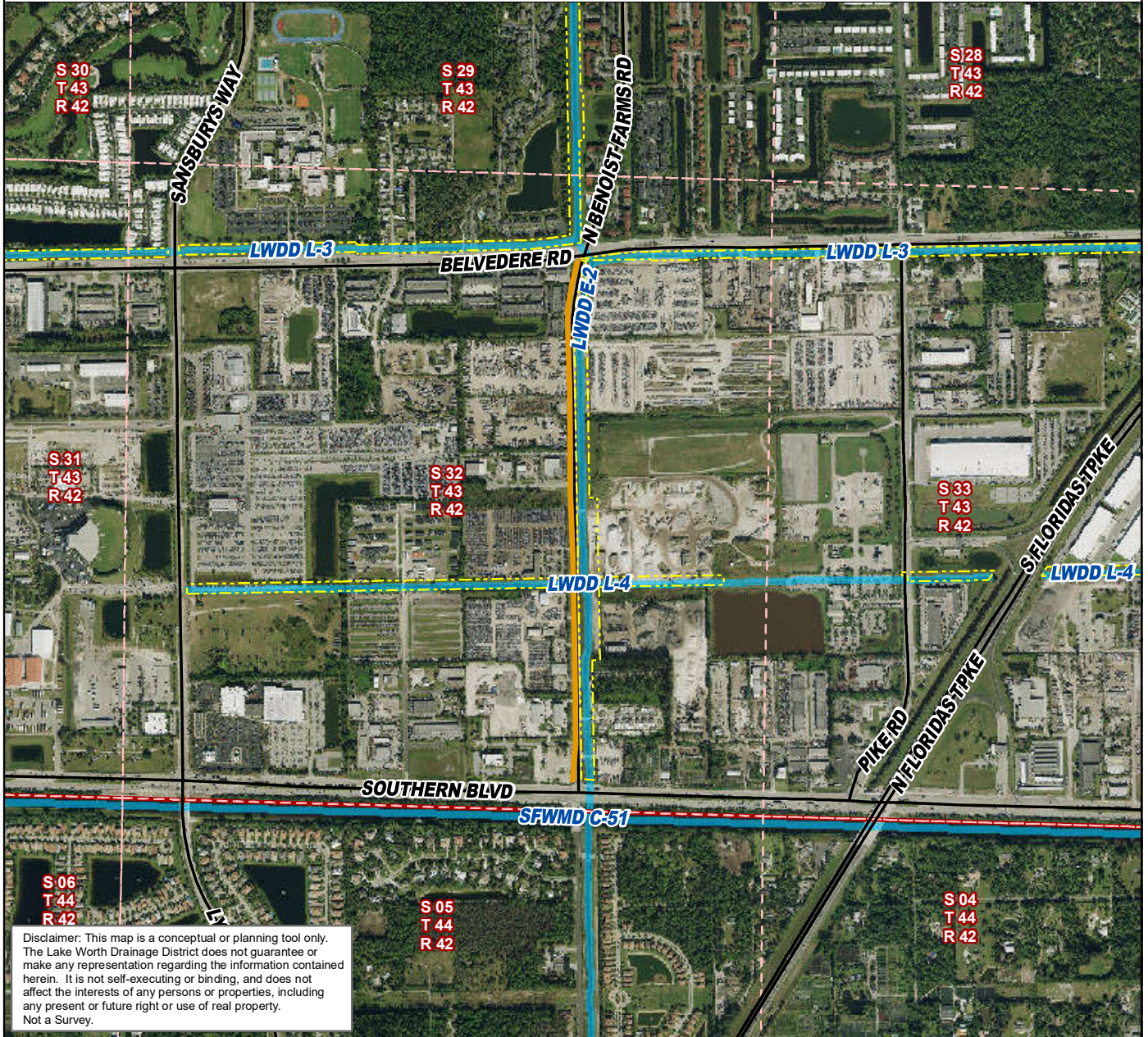
David Varner

David Varner, P.E.
Permit Coordinator








Brian Tilles, P.E.
Director, Right-of-Way Regulation

Exhibit Map



Legend

-  Right-of-Way Permit
-  LWDD Canals
-  Township and Range Grid
-  Section Grid
-  Right of Way Lines

Permit Number: RW-19-0005

Record Type: Multiple

Permittee: Palm Beach County Engineering & Public Works Department

Application Name: (PBC Engineering & Public Works Dept Roadway)

Benoist Farms Road Widening

Palm Beach County, FL

Sec/Twp/Rge
32/43/42

Date
2021-01-29

Latitude (DMS): 26° 41m 9s N
Longitude (DMS): 80° 10m 27s W

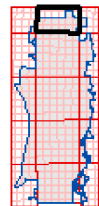
State Plane Coordinates
X: 925781.7 Y: 855834.75



0 400 800 1,600
Feet



Lake Worth Drainage District
13081 S Military Trail
Delray Beach, FL 33494
(561) 498-5363



PERMITS

STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION CONSTRUCTION AGREEMENT

850-040-89
MAINTENANCE
OGC - 07/13
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Construction Agreement No.: 2020-C-496-00013

THIS CONSTRUCTION AGREEMENT (this "Agreement") is made and entered into by and between the State of Florida, Department of Transportation, (Address) 3400 West Commercial Blvd, Ft. Lauderdale FL 33309
(hereinafter referred to as the "DEPARTMENT") and Palm Beach County Engineering & Public Works
(Address) 2300 North Jog Road, 3rd Floor, West Palm Beach, Florida 33411-2745 (hereinafter referred to as the "Construction Coordinator").

WITNESSETH:

WHEREAS, the DEPARTMENT is authorized and required by Section 334.044(13), Florida Statutes, to coordinate the planning, development, and operation of the State Highway System; and

WHEREAS, pursuant to Section 339.282, Florida Statutes, the DEPARTMENT may contract with a property owner to finance, construct, and improve public transportation facilities; and

WHEREAS, the Construction Coordinator proposes to construct certain improvements to
SR SR 80 Section 120 Subsection 000 from Begin MP 13.141 to End MP 13.924
Local Name Southern Boulevard located in Palm Beach County (hereinafter
referred to as the "Project"); and

WHEREAS, the parties desire to enter into this Agreement for the Construction Coordinator to make improvements within the DEPARTMENT'S right of way to construct the Project, which will become the property of the Department upon acceptance of the work.

NOW, THEREFORE, based on the premises above, and in consideration of the mutual covenants contained herein, the parties hereby agree that the construction of the Project shall proceed in accordance with the following terms and conditions:

1. The recitals set forth above are specifically incorporated herein by reference and made a part of this Agreement. The Construction Coordinator is authorized, subject to the conditions set forth herein, to enter the DEPARTMENT'S right of way to perform all activities necessary for the construction of See attached exhibit A scope of services/special provisions.

2. The Project shall be designed and constructed in accordance with the latest edition of the DEPARTMENT'S Standard Specifications for Road and Bridge Construction and DEPARTMENT Design Standards and Manual of Uniform Traffic Control Devices ("MUTCD"). The following guidelines shall apply as deemed appropriate by the DEPARTMENT: the DEPARTMENT Structures Design Manual, AASHTO Guide Specifications for the Design of Pedestrian Bridges, AASHTO LRFD Bridge Design Specifications, the DEPARTMENT Plans Preparation Manual ("PPM") Manual for Uniform Minimum Standards for Design, Construction and Maintenance for Streets and Highways (the "Florida Green Book") and the DEPARTMENT Traffic Engineering Manual. The Construction Coordinator will be required to submit any construction plans required by the DEPARTMENT for review and approval prior to any work being commenced. Should any changes to the plans be required during construction of the Project, the Construction Coordinator shall be required to notify the DEPARTMENT of the changes and receive approval from the DEPARTMENT prior to the changes being constructed. The Construction Coordinator shall maintain the area of the project at all times and coordinate any work needs of the DEPARTMENT during construction of the project.

3. The Construction Coordinator shall notify the DEPARTMENT a minimum of 48 hours before beginning construction within DEPARTMENT right of way. The Construction Coordinator shall notify the DEPARTMENT should construction be suspended for more than 5 working days.

4. Pursuant to Section 7-13 of the DEPARTMENT Standard Specifications, the Construction Coordinator is required to possess a general liability insurance naming the DEPARTMENT as an additional insured and insuring the DEPARTMENT and the Construction Coordinator against any and all claims for injury or damage to persons and property, and for the loss of life or property that may occur (directly or indirectly) by reason of the Construction Coordinator accessing DEPARTMENT right of way and the Construction Coordinator's performance of the Project. Such amount shall be carried in a minimum amount of not less than _____ and 00/100 Dollars (\$ _____) for bodily injury or death to any one person or any number of persons in any one occurrence, and not less than _____ and 00/100 Dollars (\$ _____) for property damage, or a combined coverage of not less than _____ and 00/100 Dollars (\$ _____). Additionally, the Construction Coordinator shall supply the DEPARTMENT with a payment and performance bond in the amount of the estimated cost of construction, provided by a surety authorized to do business in the State of Florida, payable to the DEPARTMENT. The bond and insurance shall remain in effect until completion of construction and acceptance by the DEPARTMENT. Prior to commencement of the Project and on such other occasions as the DEPARTMENT may reasonably require, the Construction Coordinator shall provide the DEPARTMENT with certificates documenting that the required insurance coverage is in place and effective. If the Construction Coordinator is a governmental entity they will be exempt from these requirements.

5. The Construction Coordinator shall be responsible for monitoring construction operations and the maintenance of traffic ("MOT") throughout the course of the project in accordance with the latest edition of the DEPARTMENT Standard Specifications, section 102. The Construction Coordinator is responsible for the development of a MOT plan and making any changes to that plan as necessary. The MOT plan shall be in accordance with the latest version of the DEPARTMENT Design Standards, Index 600 series. Any MOT plan developed by the Construction Coordinator that deviates from the DEPARTMENT Design Standards must be signed and sealed by a professional engineer. MOT plans will require approval by the DEPARTMENT prior to implementation.

6. The Construction Coordinator shall be responsible for locating all existing utilities, both aerial and underground, and for ensuring that all utility locations be accurately documented on the construction plans. All utility conflicts shall be fully resolved directly with the applicable utility.

PERMITS

850-040-89
MAINTENANCE
OGC – 07/13
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7. The Construction Coordinator will be responsible for obtaining all permits that may be required by other agencies or local governmental entities.

8. It is hereby agreed by the parties that this Agreement creates a permissive use only and all improvements resulting from this agreement shall become the property of the DEPARTMENT. Neither the granting of the permission to use the DEPARTMENT right of way nor the placing of facilities upon the DEPARTMENT property shall operate to create or vest any property right to or in the Construction Coordinator, except as may otherwise be provided in separate agreements. The Construction Coordinator shall not acquire any right, title, interest or estate in DEPARTMENT right of way, of any nature or kind whatsoever, by virtue of the execution, operation, effect, or performance of this Agreement including, but not limited to, the Construction Coordinator's use, occupancy or possession of DEPARTMENT right of way. The parties agree that this Agreement does not, and shall not be construed to, grant credit for any future transportation concurrency requirements pursuant to chapter 163, Florida Statutes.

9. The Construction Coordinator shall perform all required testing associated with the design and construction of the project. Testing results shall be made available to the DEPARTMENT upon request. The DEPARTMENT shall have the right to perform its own independent testing during the course of the Project.

10. The Construction Coordinator shall exercise the rights granted herein and shall otherwise perform this Agreement in a good and workmanlike manner, with reasonable care, in accordance with the terms and provisions of this Agreement and all applicable federal, state, local, administrative, regulatory, safety and environmental laws, codes, rules, regulations, policies, procedures, guidelines, standards and permits, as the same may be constituted and amended from time to time, including, but not limited to, those of the DEPARTMENT, applicable Water Management District, Florida Department of Environmental Protection, Environmental Protection Agency, the Army Corps of Engineers, the United States Coast Guard and local governmental entities.

11. If the DEPARTMENT determines a condition exists which threatens the public's safety, the DEPARTMENT may, at its discretion, cause construction operations to cease and immediately have any potential hazards removed from its right of way at the sole cost, expense, and effort of the Construction Coordinator. The Construction Coordinator shall bear all construction delay costs incurred by the DEPARTMENT.

12. All work and construction shall be completed within 270 days of the date of the last signature affixed to this agreement. If construction is not completed within this time, the DEPARTMENT may make a claim on the bond. The DEPARTMENT may terminate this Agreement at any time, with or without cause and without DEPARTMENT liability to the Construction Coordinator, by providing sixty (60) days prior written notice of termination to the Construction Coordinator.

13. The Construction Coordinator shall be responsible to maintain and restore all features that might require relocation within the DEPARTMENT right of way.

14. The Construction Coordinator will be responsible for clean up or restoration required to correct any environmental or health hazards that may result from construction operations.

15. Upon completion of construction, the Construction Coordinator will be required to submit to the DEPARTMENT final as-built plans and an engineering certification that construction was completed in accordance to the plans. Prior to the termination of this Agreement, the Construction Coordinator shall remove its presence, including, but not limited to, all of the Construction Coordinator's property, machinery, and equipment from DEPARTMENT right of way and shall restore those portions of DEPARTMENT right of way disturbed or otherwise altered by the Project to substantially the same condition that existed immediately prior to the commencement of the Project.

16. If the DEPARTMENT determines that the Project is not completed in accordance with the provisions of this Agreement, the DEPARTMENT shall deliver written notification of such to the Construction Coordinator. The Construction Coordinator shall have thirty (30) days from the date of receipt of the DEPARTMENT'S written notice, or such other time as the Construction Coordinator and the DEPARTMENT mutually agree to in writing, to complete the Project and provide the DEPARTMENT with written notice of the same (the "Notice of Completion"). If the Construction Coordinator fails to timely deliver the Notice of Completion, or if it is determined that the Project is not properly completed after receipt of the Notice of Completion, the DEPARTMENT, within its discretion may: 1) provide the Construction Coordinator with written authorization granting such additional time as the DEPARTMENT deems appropriate to correct the deficiency(ies); or 2) correct the deficiency(ies) at the Construction Coordinator's sole cost and expense, without DEPARTMENT liability to the Construction Coordinator for any resulting loss or damage to property, including, but not limited to, machinery and equipment. If the DEPARTMENT elects to correct the deficiency(ies), the DEPARTMENT shall provide the Construction Coordinator with an invoice for the costs incurred by the DEPARTMENT and the Construction Coordinator shall pay the invoice within thirty (30) days of the date of the invoice.

17. Nothing in this Agreement shall be deemed or otherwise interpreted as waiving the DEPARTMENT'S sovereign immunity protections, or as increasing the limits of liability as set forth in Section 768.28, Florida Statutes. The DEPARTMENT'S liability for breach of this Agreement is limited in amount and shall not exceed the limitations of liability for tort actions as set forth in Section 768.28(5), Florida Statutes.

18. All formal notices, proposed changes and determinations between the parties hereto and those required by this Agreement, including, but not limited to, changes to the notification addresses set forth below, shall be in writing and shall be sufficient if mailed by regular United States mail, postage prepaid, to the parties at the contact information listed below.

19. The Construction Coordinator shall not cause any liens or encumbrances to attach to any portion of DEPARTMENT right of way.

20. This Agreement shall be governed by the laws of the State of Florida in terms of interpretation and performance. Venue for any and all actions arising out of or in any way related to the interpretation, validity, performance or breach of this Agreement shall lie exclusively in a state court of appropriate jurisdiction in Leon County, Florida.

21. The Construction Coordinator may not assign, pledge or transfer any of the rights, duties and obligations provided in this Agreement without the prior written consent of the DEPARTMENT'S District Secretary or his/her designee. The DEPARTMENT has the sole discretion and authority to grant or deny proposed assignments, with or without cause. Nothing herein shall prevent the Construction Coordinator from delegating its duties hereunder, but such delegation shall not release the Construction Coordinator from its obligation to perform this Agreement.

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22. This Agreement shall be binding upon and inure to the benefit of the parties hereto and their respective successors and assigns. Nothing in this Agreement is intended to confer any rights, privileges, benefits, obligations or remedies upon any other person or entity except as expressly provided for herein.

23. This instrument, together with the attached exhibits and documents made part hereof by reference, contain the entire agreement of the parties and no representations or promises have been made except those that are specifically set out in this Agreement. All prior and contemporaneous conversations, negotiations, possible and alleged agreements and representations, covenants, and warranties with respect to the subject matter of this Agreement, and any part hereof, are waived, merged herein and superseded hereby.

24. By their signature below, the parties hereby acknowledge the receipt, adequacy and sufficiency of consideration provided in this Agreement and forever waive the right to object to or otherwise challenge the same.

25. The failure of either party to insist on one or more occasions on the strict performance or compliance with any term or provision of this Agreement shall not be deemed a waiver or relinquished in the future of the enforcement thereof, and it shall continue in full force and effect unless waived or relinquished in writing by the party seeking to enforce the same.

26. No term or provision of this Agreement shall be interpreted for or against any party because that party or that party's legal representative drafted the provision.

27. If any section, paragraph, clause or provision of this Agreement is adjudged by a court, agency or authority of competent jurisdiction to be invalid, illegal or otherwise unenforceable, all remaining parts of this Agreement shall remain in full force and effect and the parties shall be bound thereby so long as principle purposes of this Agreement remain enforceable.

28. A modification or waiver of any of the provisions of this Agreement shall be effective only if made in writing and executed with the same formality as this Agreement.

29. The Construction Coordinator agrees to promptly indemnify, defend, save and hold harmless the DEPARTMENT and all of its officers, agents and employees from and pay all demands, claims, judgments, liabilities, damages, fines, fees, taxes, assessments, penalties, costs, expenses, attorneys' fees and suits of any nature or kind whatsoever caused by, or arising out of or related to the performance or breach of this Agreement by the Construction Coordinator, including, without limitation, performance of the Project within the DEPARTMENT'S right of way. The term "liabilities" shall specifically include, without limitation, any act, action, neglect or omission by the Construction Coordinator, its officers, agents, employees or representatives in any way pertaining to this Agreement, whether direct or indirect, except that neither the Construction Coordinator nor any of its officers, agents, employees or representatives will be liable under this provision for damages arising out of injury or damages directly caused or resulting from the sole negligence, intentional or wrongful acts of the DEPARTMENT or any of its officers, agents or employees. The Construction Coordinator shall notify the DEPARTMENT in writing immediately upon becoming aware of such liabilities. The Construction Coordinator's inability to evaluate liability, or its evaluation of liability, shall not excuse performance of the provisions of this paragraph. The indemnities assumed by the Construction Coordinator shall survive termination of this Agreement. The insurance coverage and limits required in this Agreement may or may not be adequate to protect the DEPARTMENT and such insurance coverage shall not be deemed a limitation on the Construction Coordinator's liability under the indemnities granted to the DEPARTMENT in this Agreement.

30. Construction Coordinator:

- (1) shall utilize the U.S. Department of Homeland Security's E-Verify system to verify the employment eligibility of all new employees hired by the Construction Coordinator during the term of the contract; and
- (2) shall expressly require any subcontractors performing work or providing services pursuant to the state contract to likewise utilize the U.S. Department of Homeland Security's E-Verify system to verify the employment eligibility of all new employees hired by the subcontractor during the contract term.

31. COMPLIANCE WITH LAWS

The Construction Coordinator shall allow public access to all documents, papers, letters, or other material subject to the provisions of Chapter 119, Florida Statutes, and made or received by the Construction Coordinator in conjunction with this Agreement. Specifically, if the Construction Coordinator is acting on behalf of a public agency the Construction Coordinator shall:

- (1) Keep and maintain public records that ordinarily and necessarily would be required by the Department in order to perform the services being performed by the Construction Coordinator.
- (2) Provide the public with access to public records on the same terms and conditions that the Department would provide the records and at a cost that does not exceed the cost provided in Chapter 119, Florida Statutes, or as otherwise provided by law.
- (3) Ensure that public records that are exempt or confidential and exempt from public records disclosure requirements are not disclosed except as authorized by law.
- (4) Meet all requirements for retaining public records and transfer, at no cost, to the Department all public records in possession of the Construction Coordinator upon termination of the contract and destroy any duplicate public records that are exempt or confidential and exempt from public records disclosure requirements. All records stored electronically must be provided to the Department in a format that is compatible with the information technology systems of the Department. Failure by the Construction Coordinator to grant such public access shall be grounds for immediate unilateral cancellation of this Agreement by the Department. The Construction Coordinator shall promptly provide the Department with a copy of any request to inspect or copy public records in possession of the Construction Coordinator and shall promptly provide the Department a copy of the Construction Coordinator's response to each such request.

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Name Steven B. Carrier, P.E. Title Assistant County Engineer, Engineering & Public Works
Office No. (561) 684-4000 ext. _____ Cell _____ Email SCarrier@pbcgov.org

Name Fattoush Jafar, P.E. Title Traffic Signal Design and Construction Manager
Office No. (561) 684-4030 ext. _____ Cell _____ Email fjafar@pbcgov.org

Mail Address **P.O. Box 21229, West Palm Beach, Florida 33416**

DEPARTMENT OF TRANSPORTATION

By: _____ (Signature)

_____ (Print Name)

_____ (Title)

_____ (Date)

PERMITS

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STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION CONSTRUCTION AGREEMENT

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Construction Agreement No.: 2020-C- 496-00013

THIS CONSTRUCTION AGREEMENT (this "Agreement") is made and entered into by and between the State of Florida, Department of Transportation, (3400 West Commercial Blvd. Ft. Lauderdale FL 33309) (hereinafter referred to as the "DEPARTMENT") and Palm Beach County Engineering & Public Works, 2300 North Jog Road, 3rd Floor, West Palm Beach, FL 33411-2745 (hereinafter referred to as the "Construction Coordinator").

WITNESSETH:

WHEREAS, the DEPARTMENT is authorized and required by Section 334.044(13), Florida Statutes, to coordinate the planning, development, and operation of the State Highway System; and

WHEREAS, pursuant to Section 339.282, Florida Statutes, the DEPARTMENT may contract with a property owner to finance, construct, and improve public transportation facilities; and

WHEREAS, the Construction Coordinator proposes to construct certain improvements to
SR 80 Section 93120 Subsection 000 from Begin MP 13.465 to End MP 13.476
Local Name Southern Boulevard located in Palm Beach County (hereinafter referred to as the "Project"); and

WHEREAS, the parties desire to enter into this Agreement for the Construction Coordinator to make improvements within the DEPARTMENT'S right of way to construct the Project, which will become the property of the Department upon acceptance of the work.

NOW, THEREFORE, based on the premises above, and in consideration of the mutual covenants contained herein, the parties hereby agree that the construction of the Project shall proceed in accordance with the following terms and conditions:

1. The recitals set forth above are specifically incorporated herein by reference and made a part of this Agreement. The Construction Coordinator is authorized, subject to the conditions set forth herein, to enter the DEPARTMENT'S right of way to perform all activities necessary for the construction of **See attached exhibit A scope of services/special provisions**.

2. The Project shall be designed and constructed in accordance with the latest edition of the DEPARTMENT'S Standard Specifications for Road and Bridge Construction and DEPARTMENT Design Standards and Manual of Uniform Traffic Control Devices ("MUTCD"). The following guidelines shall apply as deemed appropriate by the DEPARTMENT: the DEPARTMENT Structures Design Manual, AASHTO Guide Specifications for the Design of Pedestrian Bridges, AASHTO LRFD Bridge Design Specifications, the DEPARTMENT Plans Preparation Manual ("PPM") Manual for Uniform Minimum Standards for Design, Construction and Maintenance for Streets and Highways (the "Florida Green Book") and the DEPARTMENT Traffic Engineering Manual. The Construction Coordinator will be required to submit any construction plans required by the DEPARTMENT for review and approval prior to any work being commenced. Should any changes to the plans be required during construction of the Project, the Construction Coordinator shall be required to notify the DEPARTMENT of the changes and receive approval from the DEPARTMENT prior to the changes being constructed. The Construction Coordinator shall maintain the area of the project at all times and coordinate any work needs of the DEPARTMENT during construction of the project.

3. The Construction Coordinator shall notify the DEPARTMENT a minimum of 48 hours before beginning construction within DEPARTMENT right of way. The Construction Coordinator shall notify the DEPARTMENT should construction be suspended for more than 5 working days.

4. Pursuant to Section 7-13 of the DEPARTMENT Standard Specifications, the Construction Coordinator is required to possess a general liability insurance naming the DEPARTMENT as an additional insured and insuring the DEPARTMENT and the Construction Coordinator against any and all claims for injury or damage to persons and property, and for the loss of life or property that may occur (directly or indirectly) by reason of the Construction Coordinator accessing DEPARTMENT right of way and the Construction Coordinator's performance of the Project. Such amount shall be carried in a minimum amount of not less than N/A and 00/100 Dollars (\$ 0.00) for bodily injury or death to any one person or any number of persons in any one occurrence, and not less than N/A and 00/100 Dollars (\$ 0.00) for property damage, or a combined coverage of not less than N/A and 00/100 Dollars (\$ 0.00). Additionally, the Construction Coordinator shall supply the DEPARTMENT with a payment and performance bond in the amount of the estimated cost of construction, provided by a surety authorized to do business in the State of Florida, payable to the DEPARTMENT. The bond and insurance shall remain in effect until completion of construction and acceptance by the DEPARTMENT. Prior to commencement of the Project and on such other occasions as the DEPARTMENT may reasonably require, the Construction Coordinator shall provide the DEPARTMENT with certificates documenting that the required insurance coverage is in place and effective. If the Construction Coordinator is a governmental entity they will be exempt from these requirements.

5. The Construction Coordinator shall be responsible for monitoring construction operations and the maintenance of traffic ("MOT") throughout the course of the project in accordance with the latest edition of the DEPARTMENT Standard Specifications, section 102. The Construction Coordinator is responsible for the development of a MOT plan and making any changes to that plan as necessary. The MOT plan shall be in accordance with the latest version of the DEPARTMENT Design Standards, Index 600 series. Any MOT plan developed by the Construction Coordinator that deviates from the DEPARTMENT Design Standards must be signed and sealed by a professional engineer. MOT plans will require approval by the DEPARTMENT prior to implementation.

6. The Construction Coordinator shall be responsible for locating all existing utilities, both aerial and underground, and for ensuring that all utility locations be accurately documented on the construction plans. All utility conflicts shall be fully resolved directly with the applicable utility.

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7. The Construction Coordinator will be responsible for obtaining all permits that may be required by other agencies or local governmental entities.

8. It is hereby agreed by the parties that this Agreement creates a permissive use only and all improvements resulting from this agreement shall become the property of the DEPARTMENT. Neither the granting of the permission to use the DEPARTMENT right of way nor the placing of facilities upon the DEPARTMENT property shall operate to create or vest any property right to or in the Construction Coordinator, except as may otherwise be provided in separate agreements. The Construction Coordinator shall not acquire any right, title, interest or estate in DEPARTMENT right of way, of any nature or kind whatsoever, by virtue of the execution, operation, effect, or performance of this Agreement including, but not limited to, the Construction Coordinator's use, occupancy or possession of DEPARTMENT right of way. The parties agree that this Agreement does not, and shall not be construed to, grant credit for any future transportation concurrency requirements pursuant to chapter 163, Florida Statutes.

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10. The Construction Coordinator shall exercise the rights granted herein and shall otherwise perform this Agreement in a good and workmanlike manner, with reasonable care, in accordance with the terms and provisions of this Agreement and all applicable federal, state, local, administrative, regulatory, safety and environmental laws, codes, rules, regulations, policies, procedures, guidelines, standards and permits, as the same may be constituted and amended from time to time, including, but not limited to, those of the DEPARTMENT, applicable Water Management District, Florida Department of Environmental Protection, Environmental Protection Agency, the Army Corps of Engineers, the United States Coast Guard and local governmental entities.

11. If the DEPARTMENT determines a condition exists which threatens the public's safety, the DEPARTMENT may, at its discretion, cause construction operations to cease and immediately have any potential hazards removed from its right of way at the sole cost, expense, and effort of the Construction Coordinator. The Construction Coordinator shall bear all construction delay costs incurred by the DEPARTMENT.

12. All work and construction shall be completed within 365 days of the date of the last signature affixed to this agreement. If construction is not completed within this time, the DEPARTMENT may make a claim on the bond. The DEPARTMENT may terminate this Agreement at any time, with or without cause and without DEPARTMENT liability to the Construction Coordinator, by providing sixty (60) days prior written notice of termination to the Construction Coordinator.

13. The Construction Coordinator shall be responsible to maintain and restore all features that might require relocation within the DEPARTMENT right of way.

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16. If the DEPARTMENT determines that the Project is not completed in accordance with the provisions of this Agreement, the DEPARTMENT shall deliver written notification of such to the Construction Coordinator. The Construction Coordinator shall have thirty (30) days from the date of receipt of the DEPARTMENT'S written notice, or such other time as the Construction Coordinator and the DEPARTMENT mutually agree to in writing, to complete the Project and provide the DEPARTMENT with written notice of the same (the "Notice of Completion"). If the Construction Coordinator fails to timely deliver the Notice of Completion, or if it is determined that the Project is not properly completed after receipt of the Notice of Completion, the DEPARTMENT, within its discretion may: 1) provide the Construction Coordinator with written authorization granting such additional time as the DEPARTMENT deems appropriate to correct the deficiency(ies); or 2) correct the deficiency(ies) at the Construction Coordinator's sole cost and expense, without DEPARTMENT liability to the Construction Coordinator for any resulting loss or damage to property, including, but not limited to, machinery and equipment. If the DEPARTMENT elects to correct the deficiency(ies), the DEPARTMENT shall provide the Construction Coordinator with an invoice for the costs incurred by the DEPARTMENT and the Construction Coordinator shall pay the invoice within thirty (30) days of the date of the invoice.

17. Nothing in this Agreement shall be deemed or otherwise interpreted as waiving the DEPARTMENT'S sovereign immunity protections, or as increasing the limits of liability as set forth in Section 768.28, Florida Statutes. The DEPARTMENT'S liability for breach of this Agreement is limited in amount and shall not exceed the limitations of liability for tort actions as set forth in Section 768.28(5), Florida Statutes.

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23. This instrument, together with the attached exhibits and documents made part hereof by reference, contain the entire agreement of the parties and no representations or promises have been made except those that are specifically set out in this Agreement. All prior and contemporaneous conversations, negotiations, possible and alleged agreements and representations, covenants, and warranties with respect to the subject matter of this Agreement, and any part hereof, are waived, merged herein and superseded hereby.

24. By their signature below, the parties hereby acknowledge the receipt, adequacy and sufficiency of consideration provided in this Agreement and forever waive the right to object to or otherwise challenge the same.

25. The failure of either party to insist on one or more occasions on the strict performance or compliance with any term or provision of this Agreement shall not be deemed a waiver or relinquished in the future of the enforcement thereof, and it shall continue in full force and effect unless waived or relinquished in writing by the party seeking to enforce the same.

26. No term or provision of this Agreement shall be interpreted for or against any party because that party or that party's legal representative drafted the provision.

27. If any section, paragraph, clause or provision of this Agreement is adjudged by a court, agency or authority of competent jurisdiction to be invalid, illegal or otherwise unenforceable, all remaining parts of this Agreement shall remain in full force and effect and the parties shall be bound thereby so long as principle purposes of this Agreement remain enforceable.

28. A modification or waiver of any of the provisions of this Agreement shall be effective only if made in writing and executed with the same formality as this Agreement.

29. The Construction Coordinator agrees to promptly indemnify, defend, save and hold harmless the DEPARTMENT and all of its officers, agents and employees from and pay all demands, claims, judgments, liabilities, damages, fines, fees, taxes, assessments, penalties, costs, expenses, attorneys' fees and suits of any nature or kind whatsoever caused by, or arising out of or related to the performance or breach of this Agreement by the Construction Coordinator, including, without limitation, performance of the Project within the DEPARTMENT'S right of way. The term "liabilities" shall specifically include, without limitation, any act, action, neglect or omission by the Construction Coordinator, its officers, agents, employees or representatives in any way pertaining to this Agreement, whether direct or indirect, except that neither the Construction Coordinator nor any of its officers, agents, employees or representatives will be liable under this provision for damages arising out of injury or damages directly caused or resulting from the sole negligence, intentional or wrongful acts of the DEPARTMENT or any of its officers, agents or employees. The Construction Coordinator shall notify the DEPARTMENT in writing immediately upon becoming aware of such liabilities. The Construction Coordinator's inability to evaluate liability, or its evaluation of liability, shall not excuse performance of the provisions of this paragraph. The indemnities assumed by the Construction Coordinator shall survive termination of this Agreement. The insurance coverage and limits required in this Agreement may or may not be adequate to protect the DEPARTMENT and such insurance coverage shall not be deemed a limitation on the Construction Coordinator's liability under the indemnities granted to the DEPARTMENT in this Agreement.

30. Construction Coordinator:

- (1) shall utilize the U.S. Department of Homeland Security's E-Verify system to verify the employment eligibility of all new employees hired by the Construction Coordinator during the term of the contract; and
- (2) shall expressly require any subcontractors performing work or providing services pursuant to the state contract to likewise utilize the U.S. Department of Homeland Security's E-Verify system to verify the employment eligibility of all new employees hired by the subcontractor during the contract term.

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- (1) Keep and maintain public records that ordinarily and necessarily would be required by the Department in order to perform the services being performed by the Construction Coordinator.
- (2) Provide the public with access to public records on the same terms and conditions that the Department would provide the records and at a cost that does not exceed the cost provided in Chapter 119, Florida Statutes, or as otherwise provided by law.
- (3) Ensure that public records that are exempt or confidential and exempt from public records disclosure requirements are not disclosed except as authorized by law.
- (4) Meet all requirements for retaining public records and transfer, at no cost, to the Department all public records in possession of the Construction Coordinator upon termination of the contract and destroy any duplicate public records that are exempt or confidential and exempt from public records disclosure requirements. All records stored electronically must be provided to the Department in a format that is compatible with the information technology systems of the Department. Failure by the Construction Coordinator to grant such public access shall be grounds for immediate unilateral cancellation of this Agreement by the Department. The Construction Coordinator shall promptly provide the Department with a copy of any request to inspect or copy public records in possession of the Construction Coordinator and shall promptly provide the Department a copy of the Construction Coordinator's response to each such request.

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CONSTRUCTION COORDINATOR CONTACT INFORMATION

Name Steven B. Carrier, P.E. Title Assistant County Engineer, Engineering & Public Works
Office No. (561) 684-4000 Cell N/A Email SCarrier@pbccgov.org

mc for

Name Fattoush Jafar, P.E. Title Traffic Signal Design and Construction Manager
Office No. (561) 684-4030 Cell N/A Email fjafar@pbccgov.org

Mail Address P.O. Box 21229, West Palm Beach, Florida 33416-1229

IN WITNESS WHEREOF, Construction Coordinator and the DEPARTMENT have executed this Agreement for the purposes herein expressed on the dates indicated below.

CONSTRUCTION COORDINATOR

and

By:  (Signature)

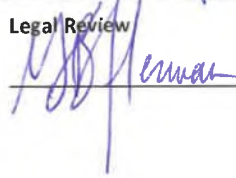
Steven B. Carrier, P.E. (Print Name)

Assistant County Engineer (Title)

8/18/21

(Date)

Legal Review



DEPARTMENT OF TRANSPORTATION

By:  (Signature)

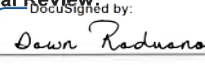
Antonio Castro (Print Name)

District 4 Maintenance Engineer (Title)

8/19/2021 | 2:21 PM EDT

(Date)

Legal Review:


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EXHIBIT A

Construction Agreement # 2020-C-496-00013

I. SCOPE OF SERVICES

SR 80- The northeast and northwest corners of Benoist Farms Road and Southern Boulevard will be widened, and new pedestrian curb ramps and signals installed. The intersection will be milled and resurfaced and with new pavement markings being installed. Removal of three (3) existing mast arms. Complete installation of four (4) mast arms at new locations including new cabinet, conduits, pull boxes, and power source. Install four (4) new light pole assemblies, three (3) mast arm mounted luminaire assemblies, and retrofit of two (2) existing light poles.

II. PROJECT PLANS

The Construction Coordinator is authorized to install the Project in accordance with the attached signalization, roadway, signing and pavement plans dated 2/1/2021, and lighting plans dated 6/14/2021 prepared by John D. Whitaker of Scalar Consulting Group, Inc. Any revisions must be approved by the DEPARTMENT in writing.

III. SPECIAL PROVISIONS FOR CONSTRUCTION

Construction Coordinator will coordinate ALL Pre-Construction meeting, inspections, final acceptance of work and ALL permitted work with Rosie Evert at 561-370-1139 or email rosie.evert@dot.state.fl.us 48 hours prior to construction. Certification acceptance and final approval is contingent upon conformity of all work completed according to this construction agreement and the restoration of the Right of Way.

CONSTRUCTION COORDINATOR (MAST ARM INSTALLATIONS) PLEASE NOTE:

- Call for a Preliminary "Structural Inspection":
 - The DEPARTMENT requires an anticipated date of inspection of structures at the beginning of the project. A tentative date shall be as stated in the schedule at the pre-construction meeting. If the estimated schedule changes by more than two months, then DEPARTMENT would expect to be notified of the new dates.
 - Once the main assembly of the structure has been mounted onto their respective foundation(s), a *Pre-Acceptance Structural Inspection* is required by the DEPARTMENT. It is the responsibility of the qualified Structural Construction Engineering and Inspection (CEI) that has been contracted throughout the construction to contact the DEPARTMENT and schedule the field inspection. This Inspection shall be conducted prior to grouting the base(s) to include the inspection of the leveling bolts along with the foundation and structure. All Punch list items must be completed at the time of the Pre-Inspection. A 2-week advanced notification is required for pre-acceptance inspections which must include a list of outstanding punch list items, the structure plans/shop drawings, and a Structure Number Request Form filled out.

This construction agreement is valid only for work proposed within the D.O.T. right-of-way.

All materials and construction within the FDOT right-of-way shall conform to the latest Standard Plans for Road and Bridge Construction and latest Standard Specifications for Road and Bridge construction.

SFWMD Permit 21-0303-1M expires on December 31, 2021. This SFWMD permit must remain active for this construction agreement to be valid.

Storm Water Pollution Prevention Plan - The Construction Coordinator shall implement best management practices for erosion and pollution control to prevent violation of state water quality standards. The Construction Coordinator shall be responsible for the correction of any erosion, shoaling, or water quality problems that result from the construction or operation of the surface water management system.

During construction, highest priority must be given to pedestrian safety. If permission is granted to temporarily close a sidewalk, it should be done with the express condition that an alternate route will be provided, and shall continuously maintain pedestrian features to meet Americans Disability Act (ADA) standards.

A copy of this agreement and plans must always be on the job site during the construction of this facility.

Page 1 of 3

PERMITS

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Restricted hours of operation for lane closures will be from 9:00am to 4:00 pm, (Monday-Friday), unless otherwise approved by the Operations Engineer, or designee. MOT shall be picked up by 4:00 pm and not start before 9:00 am.

ATMS:

- Special care should be taken when digging within the Right-of-Way of the along state roads with the highlighted green icons found in the map using this link.
<https://drive.google.com/file/d/1KivaR7vXXaOV4PKqGYoMku9fjBy3pW5/view?usp=sharing> Buried Advanced Traffic Management System (ATMS) Fiber Optic cable and/or components may be encountered.
- ATMS components include, but are not limited to: Telecommunications, Camera System, Vehicle Detection System, Fiber Optic cable, Dynamic Message System, and Power Systems.
- Restoration of any damaged ITS components must be completed within 48 hours, or the Department may elect to repair the damage and bill the party responsible for the damage.
- Damaged Fiber Optic cable may be temporarily fusion spliced within the allowable time to restore the communications; however, the contractor shall replace any damaged fiber optic cable from termination point to termination point.
- When working along the state roads with the highlighted green icons found in the map, please call for locates before digging.
 - For locates please Contact: Chris Beaudry at 954-847-1996 or chris.beaudry@dot.state.fl.us
- When working along the state roads with the highlighted green icons found in the map, please call 48 hours before work begins to inform the ITS operator of your proposed location.
 - For the ITS Operator Please Contact: Shayla Khalilahmadi at 954-847-1990 or shayla.khalilahmadis@dot.state.fl.us

Prior to any work requiring lane closures, mobile operations or traffic pacing operations, the contractor or permittee shall submit a request to the Department that includes the time, location, and description of work being performed. The lane closure request shall be submitted to the Department a minimum of 2 weeks prior to the proposed closure date and must be approved by the Department before work requiring the closure may begin within the FDOT Right of Way. You must also comply with the lane closure analysis as outlined in the FDOT Design Manual (FDM) 241.1 & FDM 240.4.2.7. The request shall be entered into the Lane Closure Information System (LCIS) by the permittee at the following URL address: <https://www.fdotlcis.com/login.aspx>. Each request will be reviewed by the appropriate Department personnel for compliance with contract or construction agreement requirements and coordination with adjacent projects or work activities. In order to begin using LCIS, a registration is required in the link above. When you register, set up your own user name and password. It takes about two days for us to authenticate and approve.

Preconstruction and Permit Close-Out Inspections Contact Information: This construction agreement is valid only for work proposed within the D.O.T. right-of-way. Contact **Rosie Evert (rosie.evert@dot.state.fl.us) at 561-370-1139** to schedule a pre-construction meeting 48 hours prior to commencement of construction. Certification of acceptance and final approval is contingent upon conformity of all work done according to this approved construction agreement and shall be followed up at the end of construction with a final Inspection of the work in FDOT Right-of-way.

Maintenance of Traffic (lane closures on the state road system occurring during peak hours 7:00 - 9:00 AM or 4:00 - 6:00 PM), lasting over 24 hours and/or at limited access facilities must contact Guillermo Canedo (Guillermo.canedo@dot.state.fl.us) at 954-777-4302, two weeks prior to closures.

IV. MODIFICATIONS TO BASIC AGREEMENT

The following sections shall be modified as indicated below:



- A. Section 4 in the basic agreement shall be modified by not requiring the Construction Coordinator to obtain a payment and performance bond for this agreement.
- B. Section 12: The DEPARTMENT and Deputy County Engineer or Assistant County Engineer of the CONSTRUCTION COORDINATOR may extend the completion date, if mutually agreed to in writing.
- C. Section 17: The following shall be added: Nothing in this agreement shall be interpreted as waiving the CONSTRUCTION COORDINATOR'S sovereign immunity protection as set forth in Section 768.28, Florida Statutes.
- D. With respect to indemnity for tort liability as provided for in Florida Statutes section 768.28 and Insurance the following shall apply:

PERMITS

DocuSign Envelope ID: 93353005-0E7A-4449-9E20-C5549FD810EF

- a. With respect to any of the CONSTRUCTION COORDINATOR'S agents, consultants, subconsultants, contractors, and/or sub-contractors, such party in any contract for this Project shall agree to indemnify, defend, save and hold harmless the DEPARTMENT from all claims, demands, liabilities, and suits of any nature arising out of, because of or due to any intentional and/or negligent act or occurrence, omission or commission of such agents, consultants, subconsultants, contractors and/or subcontractors. The CONSTRUCTION COORDINATOR shall provide to the DEPARTMENT written evidence of the foregoing upon the request of the DEPARTMENT. It is specifically understood and agreed that this indemnification clause does not cover or indemnify the DEPARTMENT for its own negligence, willful or intentional acts.
- b. When either party receives notice of claim for damages that may have been caused by the other party in the performance of services required under this Agreement, that party will immediately forward the claim to the other party. Each party will evaluate the claim and report its findings to each other within fourteen (14) working days and jointly discuss options in defending the claim.
- c. A party's failure to promptly notify the other of a claim will not act as a waiver of any right herein.
- d. **LIABILITY INSURANCE.** The CONSTRUCTION COORDINATOR shall carry or cause its contractors, subcontractors, consultants and/or subconsultants to carry and keep in force during the period of this Agreement a general liability policy or policies with a company or companies authorized to do business in Florida, affording public liability insurance with combined bodily injury limits of at least \$1,000,000 per person and \$5,000,000 each occurrence, and property damage insurance of at least \$100,000 each occurrence, for the services to be rendered in accordance with this Agreement. The CONSTRUCTION COORDINATOR shall have the DEPARTMENT endorsed as additionally insured with regards to the general liability requirements. However, in the event the CONSTRUCTION COORDINATOR maintains a self-insurance fund to cover such liability, the CONSTRUCTION COORDINATOR agrees to maintain sufficient reserves in the fund to pay the above-described liability limits. In addition to any other forms of insurance or bonds required under the terms of this Agreement, the CONSTRUCTION COORDINATOR must comply or cause its contractors and subcontractors to comply with Section 7-13 of the DEPARTMENT's Current Standard Specifications for Road and Bridge Construction (latest version), as amended.
- E. Section 20 shall be modified as follows: This Agreement shall be governed by the laws of the State of Florida in terms of interpretation and performance. Venue for any and all actions arising out of or in any way related to the interpretation, validity, performance or breach of this Agreement shall lie exclusively in a state court of appropriate jurisdiction in Broward County, Florida.
- F. Section 29 shall be replaced as follows: The Construction Coordinator agrees to promptly indemnify, defend, save and hold harmless the DEPARTMENT and all of its officers, agents and employees from and pay all demands, claims, judgements, liabilities, damages, fines, fees, taxes, assessments, penalties, costs, expenses, and suits of any nature or kind whatsoever caused by, or arising out of or related to the performance or breach of this Agreement by the Construction Coordinator, including, without limitation, performance of the project within the DEPARTMENT'S right of way EXCEPT that for any action by a third party, the Construction Coordinator agrees to indemnify the DEPARTMENT to the extent permitted by law and does not waive its sovereign immunity beyond the limits in Section 768.28, Florida Statutes. The term "liabilities shall specifically include, without limitation, any act, action, neglect or omission by the Construction Coordinator, its officers, agents, employees or representatives in any way pertaining to this Agreement, whether direct or indirect, except that neither the Construction Coordinator nor any of its Officers, agents, employees or representatives will be liable under this provision for damages arising out of injury or damages directly caused or resulting from the sole negligence, intentional or wrongful acts of the DEPARTMENT or any of its officers, agents or employees. The Construction Coordinator shall notify the Department in writing immediately upon becoming aware of such liabilities. The Construction Coordinator's inability to evaluate liability, or its evaluation of liability, shall not excuse performance of the provisions of this paragraph. The indemnities assumed by the Construction Coordinator shall survive termination of this Agreement. The insurance coverage and limits required in this Agreement may or may not be adequate to protect the DEPARTMENT and such insurance coverage shall not be deemed a limitation on the Construction Coordinator's liability under the indemnities granted to the DEPARTMENT in this Agreement.

Palm Beach County Legal Review

Page 3 of 3

PER-31

PERMITS



**Department of Engineering
and Public Works**

P.O. Box 21229

West Palm Beach, FL 33416-1229

(561) 684-4000

FAX: (561) 684-4050

www.pbcgov.com

**Palm Beach County
Board of County
Commissioners**

Dave Kerner, Mayor

Robert S. Weinroth, Vice Mayor

Hal R. Valeche

Gregg K. Weiss

Mary Lou Berger

Melissa McKinlay

Mack Bernard

County Administrator

Verdenia C. Baker

January 27, 2021

Jerry M. Dean
District IV Permits Coordinator
Florida Department of Transportation
3400 West Commercial Boulevard
Ft. Lauderdale, Florida 33309

**RE: SR80/SOUTHERN BLVD AND BENOIST FARMS RD
PALM BEACH COUNTY TRAFFIC SIGNAL #30800
FDOT PERMIT #2020-C-496-00013**

Dear Mr. Dean:

The Traffic Division has reviewed the referenced signal plans prepared by Scalar Consulting Group Inc. dated 1-21-2021 for the subject intersection. We have no further comments.

Be advised that Palm Beach County Traffic Division will assume the operation and maintenance responsibilities of the traffic signal upon verification by FDOT and County staff that the signal is designed and built in accordance to FDOT and Palm Beach County's latest specifications. Upon construction completion, final inspection, and completion of the ninety (90) day burn-in period, maintenance will be transferred to Palm Beach County.

If you should have any questions or comments, do not hesitate to contact our office at (561) 684-4030.

Sincerely,

A handwritten signature in blue ink, appearing to read "Fatmeh N. Jafar".

Fatmeh (Fattoush) N. Jafar, P.E., Ph.D.
Traffic Signal Design Engineer - Traffic Division

FNJ:kb

File: Intersection #30800
N:\TRAFFIC\Signals\PLAN REVIEWS\ROADWAY PROJECTS\PBC Project 2015509 Benoist Farms Rd - S of SR80
to Belvedere\Ltr_FDOT_no further comments 1-27-2021.doc

*"An Equal Opportunity
Affirmative Action Employer"*



printed on sustainable
and recycled paper

COMPONENTS OF CONTRACT PLANS

ROADWAY PLANS
SIGNING AND PAVEMENT MARKING PLANS (FOR INFORMATION ONLY)
SIGNALIZATION PLANS (FOR INFORMATION ONLY)
LIGHTING PLANS (FOR INFORMATION ONLY)

COUNTY OF PALM BEACH
STATE OF FLORIDA

BOARD OF COUNTY COMMISSIONERS
PROJECT NO. 2015509

BENOIST FARMS ROAD - SR 80 (SOUTHERN BOULEVARD) TO BELVEDERE ROAD

INDEX OF
ROADWAY PLANS

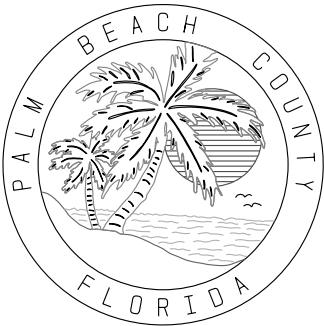
SHEET NO.	SHEET DESCRIPTION
1	KEY SHEET
2-3	DRAINAGE MAP
4	EXISTING DRAINAGE STRUCTURE DATA
5-7	TYPICAL SECTIONS
8	FPL POLE DETAIL
9	SUMMARY OF PAY ITEMS
10-11	SUMMARY OF QUANTITIES
12-14	SUMMARY OF DRAINAGE STRUCTURES
15-16	GENERAL NOTES
17	PLAN SHEET
18-26	PLAN AND PROFILE SHEET
27	SPECIAL PROFILE
28-29	INTERSECTION GRADING
30-36	CURB RETURN PROFILES
37-42	DRIVEWAY/SIDESTREET PROFILES
43-61	DRAINAGE STRUCTURES
62-64	DRAINAGE DETAILS
65-87	CROSS SECTIONS
88-89	STORMWATER POLLUTION PREVENTION PLAN
90	EROSION CONTROL PLAN
91	VERIFIED UTILITIES
92-97	ROADWAY SOIL PROFILES
98	ROADWAY SOIL SURVEY
CTL-1 - CTL-2	PROJECT NETWORK CONTROL
CTL-3 - CTL-6	REFERENCE POINTS

GREGG K. WEISS
DISTRICT 2

ROBERT S. WEINROTH
DISTRICT 4

MELISSA MCKINLAY
DISTRICT 6

MARIA G. MARINO
DISTRICT 1

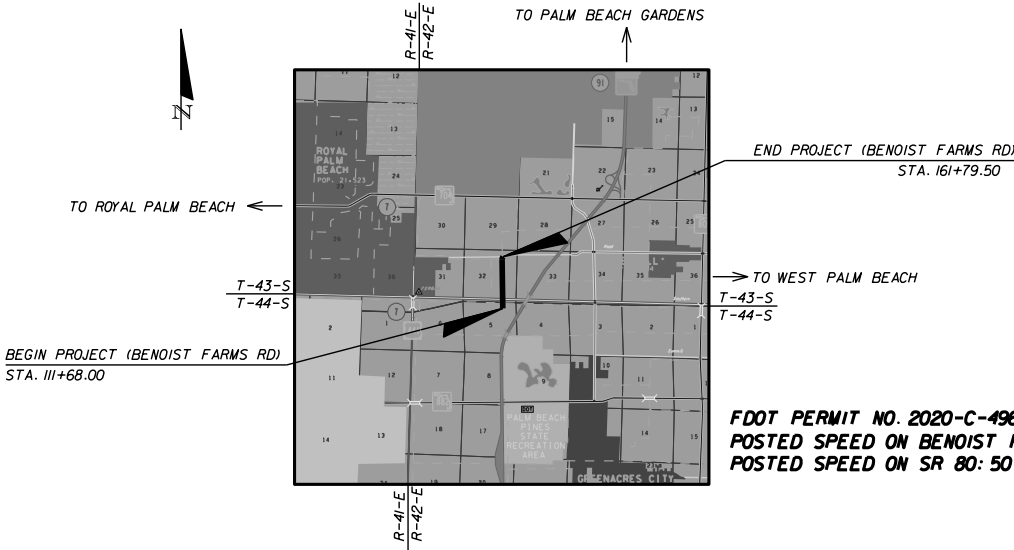


DAVE KERNER
DISTRICT 3

MARIA SACHS
DISTRICT 5

MACK BERNARD
DISTRICT 7

THIS PROJECT IS DESIGNED TO
NAVD, 1988 DATUM



PLANS PREPARED BY:

SCALAR CONSULTING GROUP INC.
5713 CORPORATE WAY, SUITE 200
WEST PALM BEACH, FL 33407
TEL. 561-429-5065
JOHN D. WHITAKER, P.E.
P.E. NO.: 68599
VENDOR NO. 451909667

ATTENTION IS DIRECTED TO THE FACT THAT
THESE PLANS MAY HAVE BEEN CHANGED IN
SIZE BY REPRODUCTION, THIS MUST BE
CONSIDERED WHEN OBTAINING SCALED DATA.

I HEREBY CERTIFY THAT THE ATTACHED PLANS AND DESIGNS ARE IN
SUBSTANTIAL COMPLIANCE WITH THE DESIGN STANDARDS AND
CRITERIA IN EFFECT ON THIS DATE FOR PALM BEACH COUNTY AND
THE STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION.

DATE

PROFESSIONAL ENGINEER
JOHN D. WHITAKER, P.E. NO. 68599

GOVERNING STANDARDS AND SPECIFICATIONS:

THESE PLANS HAVE BEEN PREPARED IN ACCORDANCE WITH AND
GOVERNED BY THE FLORIDA DEPARTMENT OF TRANSPORTATION
STANDARD PLANS FOR ROAD & BRIDGE CONSTRUCTION (CURRENT
EDITION), AND SUPPLEMENTS THERETO, FLORIDA DEPARTMENT
OF TRANSPORTATION STANDARD SPECIFICATIONS FOR ROAD AND
BRIDGE CONSTRUCTION (CURRENT EDITION), SUPPLEMENTS
THERETO, AND SPECIAL PROVISIONS AS NOTED IN THE
CONTRACT SPECIFICATIONS FOR THIS PROJECT.

GOVERNING SPECIFICATIONS ARE CONTAINED IN THE CONTRACT
DOCUMENTS OF THIS PROJECT.

LENGTH OF PROJECT		
	LIN. FT.	MILES
ROADWAY	4779.5	0.905
BRIDGES	232	0.044
NET LENGTH OF PROJ.	5,011.5	0.949
EXCEPTIONS	0	0
GROSS LENGTH OF PROJ.	5,011.5	0.949

PALM BEACH COUNTY
ENGINEERING AND PUBLIC WORKS
ROADWAY PRODUCTION
P.O. BOX 21229, WEST PALM BEACH, FLORIDA
(561) 684-4150



NO.	REVISION	BY	DATE
SCALE: NTS	APPROVED: JOW	DRAWN: DA	CHECKED: SOW
DATE: 1/29/2021	FIELD BOOK NO.		

PROJECT	BENOIST FARMS ROAD	DRAWING NO.
DESIGN FILE NAME:	KEYS001.DGN	

SHEET:
OF:
PROJECT NO. 2015509

PER-34



PER-35



PERMITS

- 1

CATCH BASIN
RIM EL. = 20.08'
INV. E. EL. = 16.43' (18" RCP)
(TO REMAIN)
- 2

CATCH BASIN
RIM EL. = 20.18'
INV. S. EL. = 12.63' (18" CMP)
INV. W. EL. = 16.38' (18" RCP)
INV. E. EL. = UNKNOWN (BOX ENLARGES)
(TO REMAIN)
- 3

STORM MH
RIM EL. = 20.06'
INV. N. EL. = 13.21' (18"x12" RCP)
INV. S. EL. = 14.71' (18"x12" RCP)
OTHER INV. INACCESSIBLE,
FULL W/ DIRT
(TO REMAIN)
- 4

CATCH BASIN
RIM EL. = 19.28'
INV. W. EL. = 13.38' (18" RCP)
(TO REMAIN)
- 5

CATCH BASIN
RIM EL. = 19.92'
INV. N. EL. = 12.87' (18" RCP)
(TO REMAIN)
- 6

CATCH BASIN
RIM EL. = 20.06'
INV. N. EL. = 13.86' (18"x12" CMP)
INV. S. EL. = 13.91' (18"x12" CMP)
(TO REMAIN)
- 7

STORM MH
RIM EL. = 20.96'
INVERTS INACCESSIBLE
(IN TRAFFIC LANES)
(TO REMAIN)
- 8

STORM MH
RIM EL. = 20.45'
INVERTS INACCESSIBLE
(IN TRAFFIC LANES)
(TO REMAIN)
- 9

CATCH BASIN
RIM EL. = 20.50'
INV. N. EL. = 15.20' (18" RCP)
(TO REMAIN)
- 10

CATCH BASIN
RIM EL. = 19.70'
INV. E. EL. = 9.68' (36" CMP)
(TO REMAIN)
- 11

CATCH BASIN
RIM EL. = 19.28'
INVERTS INACCESSIBLE
FULL OF DEBRIS
18" PIPE (ASSUMED)
(TO REMAIN)
- 12

CATCH BASIN
RIM EL. = 19.65'
INV. W. EL. = 15.20' (18" RCP)
(TO REMAIN)
- 13

BOX CULVERT
INV. EL. = 6.70' (96" CMP)
(TO REMAIN)
- 14

BOX CULVERT
INV. EL. = 2.55' (96" CMP)
(TO REMAIN)
- 15

STORM MH
RIM EL. = 18.50'
INV. E. EL. = 8.05' (18" RCP)
INV. W. EL. = 8.15' (18" RCP)
(TO BE REMOVED)
- 16

OUTFALL
INV. EL. = 6.93' (18" RCP)
(TO BE REMOVED)
- 17

18" RCP
INV. N. EL. = 15.85'
INV. S. EL. = 15.69'
(TO BE REMOVED)
- 18

OUTFALL
INV. EL. = 12.92' (15" CMP)
(TO REMAIN)
- 19

CATCH BASIN
(CONTROL STRUCTURE)
RIM EL. = 18.54'
TOP OF WEIR = 14.83'
INV E. EL. = 12.53' (18" RCP)
INV W. EL. = 13.04' (15" CMP)
(TO REMAIN)
- 20

OUTFALL
INV EL. = 8.48' (18" RCP)
(TO REMAIN)
- 21

CATCH BASIN
RIM EL. = 16.65'
(TO REMAIN)
- 22

72" RCP (HEADWALL)
INV. EL. = 3.13'
(TO BE REMOVED)
- 23

72" RCP (HEADWALL)
INV. EL. = 3.91'
(TO REMAIN)
(STA. 134+25.19, 38.06 RT)
- 24

12" CMP
INV. E. EL. = 16.37'
INV. W. EL. = 18.02'
(TO BE REMOVED)
- 25

CATCH BASIN
RIM EL. = 15.70'
INV. N. EL. = 5.40' (18" CMP)
(TO REMAIN)
- 26

CATCH BASIN
RIM EL. = 15.75'
INV. E. EL. = 5.40' (18" CMP)
(TO REMAIN)
- 27

CATCH BASIN
(CONTROL STRUCTURE)
RIM EL. = 17.00'
TOP OF WEIR = 13.00'
BLEEDER EL. = 9.00'
(6" TRIANGLE)
INV. E. EL. = 5.40' (24" RCP)
INV. S. EL. = 5.40' (18" CMP)
(TO REMAIN)
- 28

OUTFALL
INV. W. EL. = 4.63' (24" RCP)
(TO REMAIN)
- 29

CATCH BASIN
RIM EL. = 16.80'
INV. E. EL. = 10.02' (12" CMP)
INV. W. EL. = 9.98' (12" CMP)
(TO REMAIN)
- 30

OUTFALL
INV. EL. = 9.36' (12" CMP)
(TO REMAIN)
- 31

PIPE END
INV. EL. = 8.74' (30" CMP)
(TO REMAIN)
- 32

OUTFALL
INV. W. EL. = 7.56' (30" CMP)
(TO REMAIN)
(STA. 154+65.13, 46.23 RT)
- 33

CATCH BASIN
(CONTROL STRUCTURE)
RIM EL. = 16.10'
TOP OF WEIR = 12.20'
WEIR INV. = 8.05' (6" TRIANGLE)
INV. E. EL. = 8.20' (30" CMP)
INV. NW. EL. = 8.30' (30" CMP)
INV. N. EL. = 9.10' (12" RCP)
(TO REMAIN)
- 34

CATCH BASIN
RIM EL. = 14.88'
INV. E. EL. = 10.80' (36" CMP)
INV. W. EL. = 10.79' (30" CMP)
(TO BE MODIFIED)
(STA. 154+91.00, 30.00 LT)
- 35

OUTFALL
INV. EL. = 9.92' (36" CMP)
(TO REMAIN)
(STA. 154+90.98, 49.38 RT)
- 36

36" (PIPE TYPE UNKNOWN)
INV. W. EL. = 9.86'
(TO REMAIN)
- 37

CATCH BASIN
RIM EL. = 15.29'
INV. E. EL. = 9.94' (18" RCP)
(TO REMAIN)
- 38

CATCH BASIN
RIM EL. = 13.73'
INV. N. EL. = 10.43' (15" CMP)
INV. W. EL. = 10.18' (18" RCP)
(TO REMAIN)
- 39

CATCH BASIN
RIM EL. = 15.57'
INV. E. EL. = 8.03' (12" CMP)
INV. S. EL. = 7.98' (12" RCP)
(TO REMAIN)
- 40

CATCH BASIN
RIM EL. = 15.97'
INV. E. EL. = 7.77' (12" CMP)
INV. W. EL. = 7.87' (12" CMP)
(TO BE MODIFIED)
(STA. 155+12.79, 33.75 LT)
- 41

OUTFALL
INV. EL. = 7.77' (12" CMP)
(TO REMAIN)
- 42

CATCH BASIN
RIM EL. = 14.13'
INV. N. EL. = 10.58' (15" CMP)
INV. S. EL. = 10.43' (15" CMP)
INV. W. EL. = 11.93' (8" HDPE)
(TO REMAIN)
- 43

MES
INV. EL. = 13.37'
PIPE UNKNOWN
(15" RCP ASSUMED)
(TO BE REMOVED)
- 44

MES
INV. EL. = 12.84'
PIPE UNKNOWN
(15" RCP ASSUMED)
(TO BE REMOVED)
- 45

HEADWALL
INV. E. EL. = 9.05' (24" RCP)
(TO BE REMOVED)
- 46

CATCH BASIN
RIM EL. = 14.60'
INV. E. EL. = 9.20' (24" RCP)
INV. W. EL. = 9.30' (18" RCP)
(TO BE MODIFIED)
(STA. 160+77.56, 33.58 LT)
- 47

CATCH BASIN
RIM EL. = 15.84'
INVERTS INACCESSIBLE
FULL OF DEBRIS
(TO REMAIN)
- 48

CATCH BASIN
RIM EL. = 14.72'
INVERTS INACCESSIBLE
FULL OF DEBRIS
(TO BE MODIFIED)
(STA. 161+05.20, 30.24' RT)
- 49

HEADWALL
INV. EL. = 9.36" (24" RCP)
(TO REMAIN)
(STA. 161+05.96, 51.68 RT)
- 50

RIP RAP HEADWALL
INV. N. EL. = (-) 0.12' (144" CMP)
(TO REMAIN)
- 51

INLET
RIM EL. = 15.79'
INVERTS INACCESSIBLE
FULL OF DEBRIS
(TO REMAIN)
- 52

HEADWALL
INV. S. EL. = 0.43' (144" CMP)
(TO REMAIN)
- 53

HEADWALL
INV. W. EL. = 5.77' (54" RCP)
(TO REMAIN)
- 54

INLET
EP EL.= 13.59'
INV. N. EL. = 6.41' (15" RCP)
INV W. EL. = 8.99' (15" PVC)
(TO REMAIN)
- 55

INLET
EP EL.= 13.56'
(TO REMAIN)
- 56

CATCH BASIN
RIM EL. = 13.32'
INV. NE. EL. = 10.02' (15" RCP)
(TO REMAIN)
- 57

STORM MH
RIM EL. = 14.12'
INV. SW. EL. = 10.07' (15" RCP)
INV. E. EL. = 9.52' (15" PVC)
(TO REMAIN)
- 58

STORM MH
RIM EL. = 14.24'
INV N. EL. = 5.74' (15" RCP)
INV. S. EL. = 6.74 (15" RCP)
(TO REMAIN)
- 59

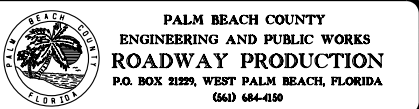
CATCH BASIN
RIM EL. = 18.60'
INV. E. EL. = INACCESSIBLE
(TO BE REMOVED BY OTHERS)
- 60

OUTFALL
INV. EL. = 8.55' (18" RCP)
(TO BE REMOVED BY OTHERS)

1/29/2020 10:47:08 AM P:\2016\CP460000\Beneish\Forms Road\201509\vn\page-SUMPD001.DGN

SCALAR CONSULTING GROUP INC.
5713 CORPORATE WAY, SUITE 200
WEST PALM BEACH, FL 33407
TEL. 561-429-5065
JOHN D. WHITAKER, P.E.
P.E. NO.: 68599
VENDOR NO. 451909667

NO.	REVISION	BY	DATE

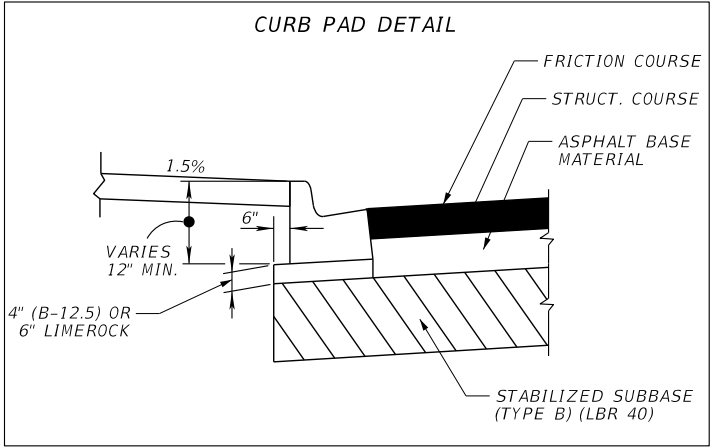
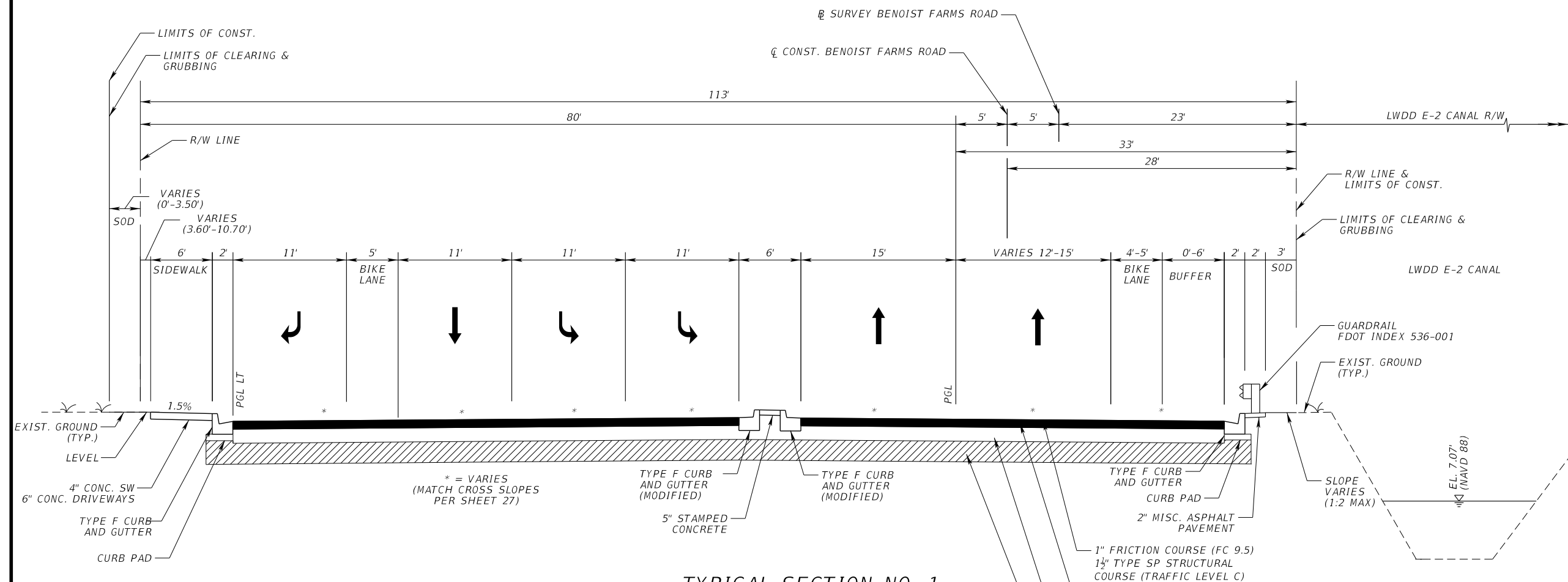


SCALE:	NTS
APPROVED:	JDW
DRAWN:	DA
CHECKED:	SDW
DATE:	1/29/2020

EXISTING DRAINAGE STRUCTURE DATA	
DESIGN FILE NAME SUMPD001.DGN	DRAWING NO.

SHEET:	
OF:	
PROJECT NO.	201509

PERMITS



TYPICAL SECTION NO. 1
(RECONSTRUCTION) (TRANSITION)

BENOIST FARMS ROAD
SR 80 (SOUTHERN BLVD.) TO BELVEDERE RD.
STA. 117+45.20 TO STA. 120+80
(DESIGN SPEED = 40 MPH)

MILLING & RESURFACING

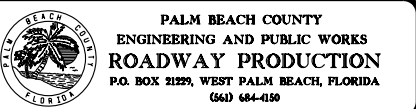
(STA. 111+68.00 TO 113+73.00)
MILL EXISTING ASPHALT PAVEMENT 1"
AND FRICTION COURSE (TRAFFIC C) FC-9.5 (1") (PG 76-22)

(STA. 116+04.13 TO 117+45.20)
MILL EXISTING ASPHALT PAVEMENT 3"
TYPE SP STRUCTURAL COURSE (TRAFFIC D) (1 1/2"),
AND FRICTION COURSE (TRAFFIC D) FC-12.5 (1 1/2") (PG 76-22)

P:\2016\CP460000\Benoist Farms Road\201509\roadway\typical.dgn
10:47:09 AM
1/29/2021

SCALAR CONSULTING GROUP INC.
5713 CORPORATE WAY, SUITE 200
WEST PALM BEACH, FL 33407
TEL. 561-429-5065
JOHN D. WHITAKER, P.E.
P.E. NO.: 68599
VENDOR NO. 451909667

NO.	REVISION	BY	DATE

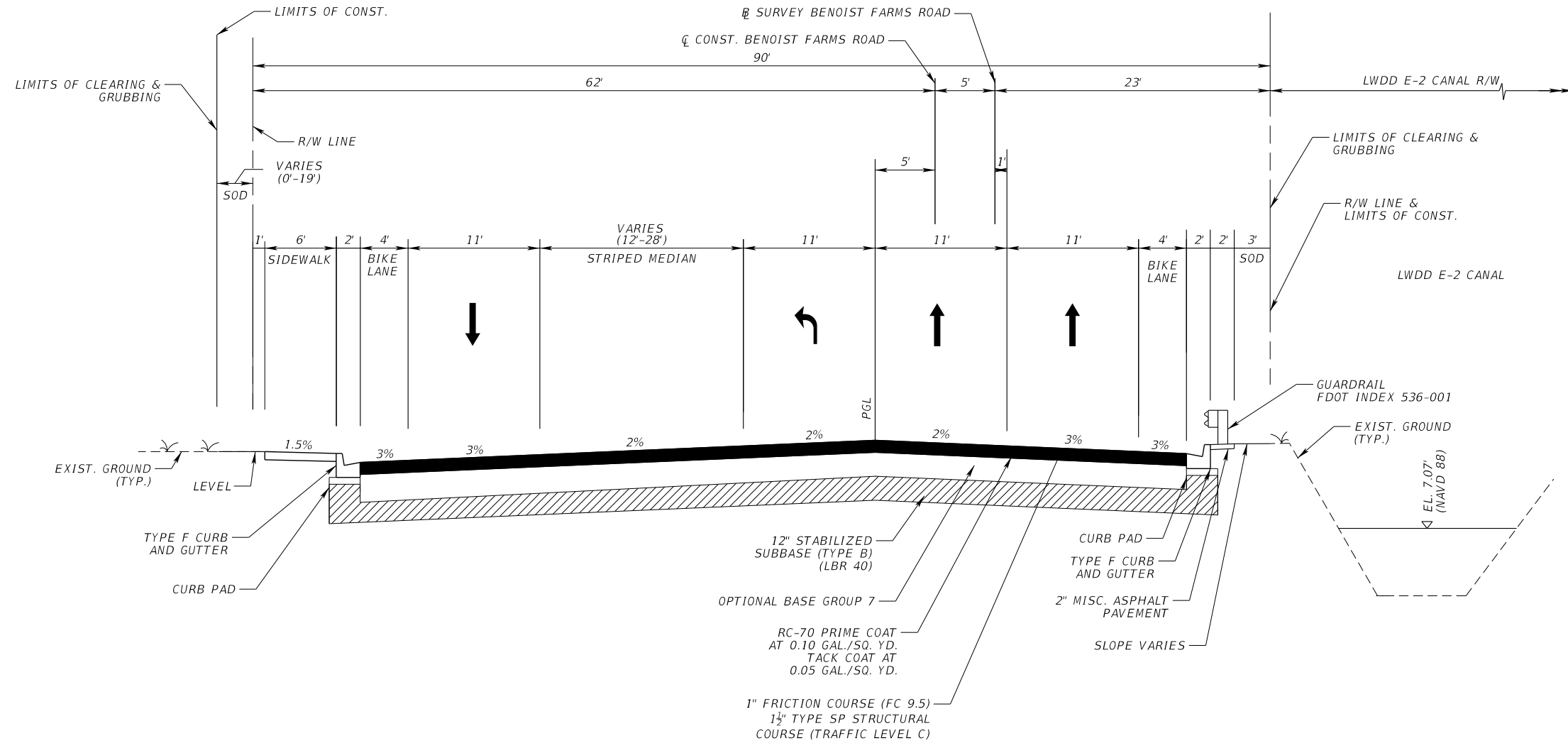


SCALE: 1/10
APPROVED: JDW
DRAWN: DA
CHECKED: SDW
DATE: 1/29/2021

TYPICAL SECTIONS BENOIST FARMS ROAD	
DESIGN FILE NAME typical.dgn	DRAWING NO.

SHEET: OF:
PROJECT NO. 201509

PERMITS



TYPICAL SECTION NO. 2 (RECONSTRUCTION) (TRANSITION)

BENOIST FARMS ROAD
 SR 80 (SOUTHERN BLVD.) TO BELVEDERE RD.
 STA. 121+00.00 TO STA. 131+50.00
 (DESIGN SPEED = 40 MPH)

NOTE:
FROM STA. 131+50 TO STA. 138+50.64, SEE SIGNING AND
PAVEMENT MARKING PLANS FOR TRANSITION DETAILS.
TYPICAL SECTION NO. 2 DOES NOT REFLECT THE LANE
CONFIGURATION BETWEEN THESE STATIONS.

SCALAR CONSULTING GROUP INC.
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VENDOR NO. 451909667

NO.	REVISION	BY	DATE



PALM BEACH COUNTY
ENGINEERING AND PUBLIC WORKS
ROADWAY PRODUCTION
P.O. BOX 21229, WEST PALM BEACH, FLORIDA
(561) 684-4150

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APPROVED: JDW
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DATE: 1/29/202

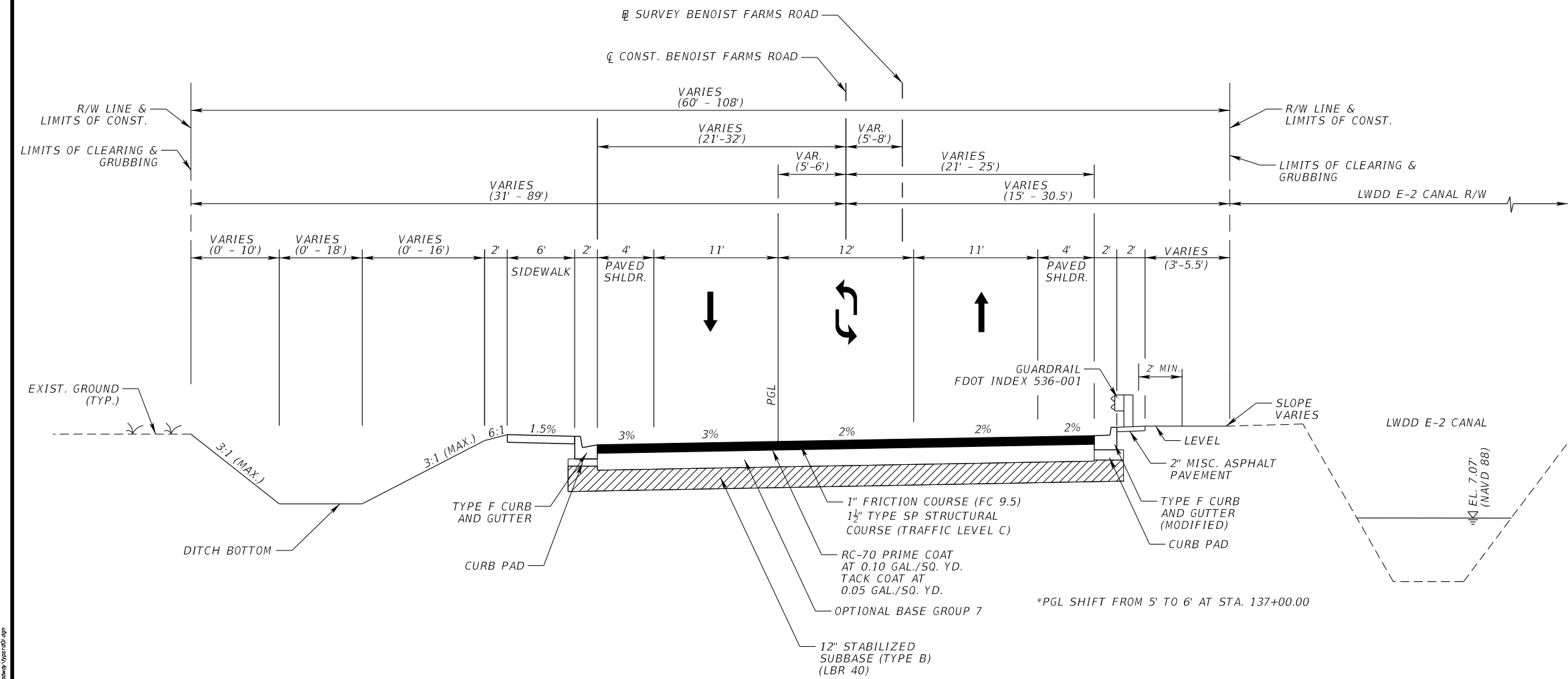
TYPICAL SECTIONS
BENOIST FARMS ROAD

DESIGN FILE NAME
hypsrd01.dgn

DRAWING NO.

SHEET:
OF:
PROJECT NO
2015509

PERMITS

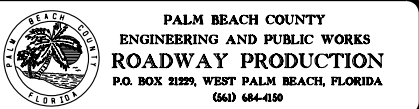


TYPICAL SECTION NO. 3 (RECONSTRUCTION)
BENOIST FARMS ROAD
NORTH OF SR 80 (SOUTHERN BLVD.) TO SOUTH APPROACH AT BELVEDERE RD.
STA. 138+50.00 TO STA. 161+73.14
(DESIGN SPEED = 40 MPH)

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10:47:09 AM
1/29/2021

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5713 CORPORATE WAY, SUITE 200
WEST PALM BEACH, FL 33407
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NO.	REVISION	BY	DATE

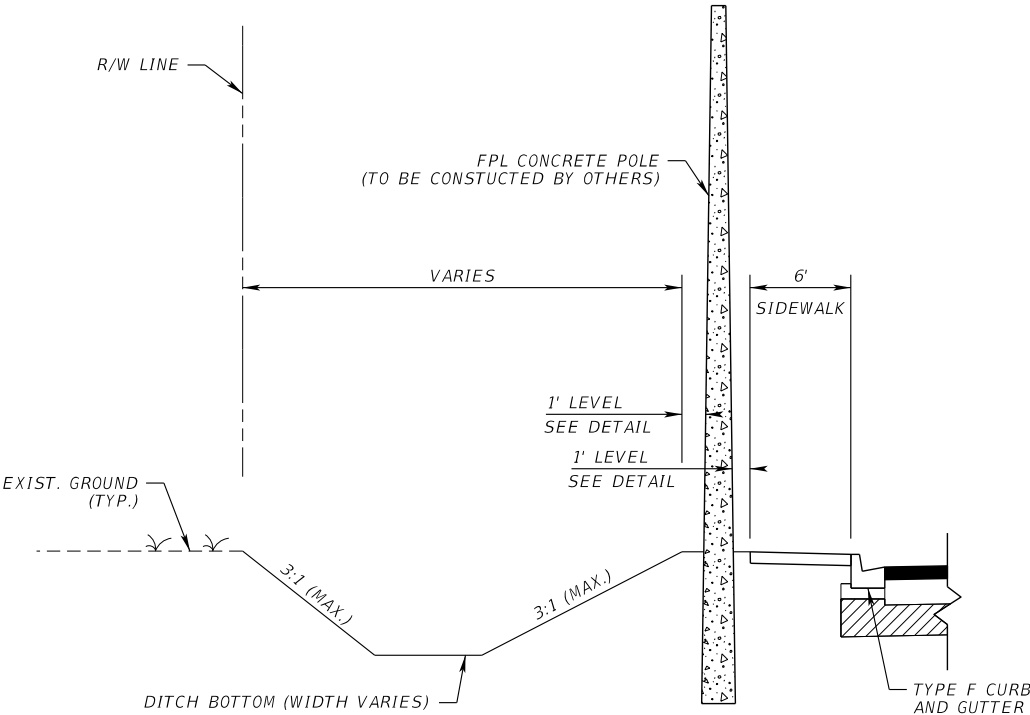


SCALE: 1/10
APPROVED: JDW
DRAWN: DA
CHECKED: SDW
DATE: 1/29/2021

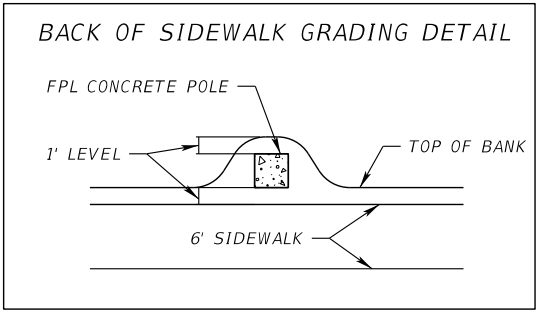
TYPICAL SECTIONS
BENOIST FARMS ROAD
DESIGN FILE NAME: typsrd01.dgn
DRAWING NO.

SHEET:
OF:
PROJECT NO.
2015509

PERMITS



FPL POLE CONSTRUCTION DETAIL
NTS



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1/29/2020 10:47:10 AM

SCALAR CONSULTING GROUP INC.
5713 CORPORATE WAY, SUITE 200
WEST PALM BEACH, FL 33407
TEL. 561-429-5065
JOHN D. WHITAKER, P.E.
P.E. NO.: 68599
VENDOR NO. 451909667

NO.	REVISION	BY	DATE



SCALE: 1/10
APPROVED: JDN
DRAWN: DA
CHECKED: SDW
DATE: 1/29/2020

FPL POLE DETAIL BENOIST FARMS ROAD	
DESIGN FILE NAME SPDTRDD1.DGN	DRAWING NO.

SHEET: OF:	PROJECT NO. 205509
---------------	-----------------------

PERMITS

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9:46:30 AM
2/1/2021

REGULAR ROADWAY ITEMS			
NO.	DESCRIPTION	UNIT	QTY.
1	Mobilization	LS	1
2	Maintenance of Traffic (includes Pedestrian MOT)	LS	1
3	Clearing & Grubbing	LS	1
4	Sediment Barrier (Silt Fence)	LF	8641
5	Floating Turbidity Barrier	LF	1061
6	Inlet Protection	EA	13
7	Regular Excavation	CY	11480.0
8	Embankment (Compacted in Place)	CY	799.0
9	Type B Stabilization (LBR 40) (12")	SY	31165
10	Optional Base Group 7	SY	28292
11	Miscellaneous Asphalt Pavement	TN	104.4
12	Superpave Asphalt Concrete (Traffic Level C)	TN	2334.1
13	Superpave Asphalt Concrete (Traffic Level D)	TN	226.4
14	Asphalt Concrete Friction Course (1") (Type FC-9.5)(Traffic C)	TN	1583.2
15	Asphalt Concrete Friction Course (1.5") (Type FC-12.5)(Traffic D)	TN	226.4
16	Milling Exist. Asph. Pavt., 3" Avg. Depth	SY	2744
17	Milling Exist. Asph. Pavt., 1" Avg. Depth	SY	493
18	Desilt Pipe	LF	85.0
19	Concrete Class I (Endwalls)	CY	6.04
20	Concrete Class II (Endwalls)	CY	14.4
21	Reinforcing Steel	LB	1249
22	Inlets (Curb)(Type P-1)	EA	7
23	Inlets (Curb)(Type P-2)	EA	2
24	Inlets (Curb)(Type P-5)	EA	4
25	Inlets (Curb)(Type J-5)	EA	2
26	Inlets (Curb)(Type P-6)	EA	2
27	Inlets (Ditch Bottom) (Type C)	EA	1
28	Inlets (Ditch Bottom) (Type E) (MODIFIED)	EA	2
29	Inlets (Ditch Bottom) (Type E) (MODIFIED) >10'	EA	3
30	Inlets (Ditch Bottom) (Type E) (Partial)	EA	1
31	Inlets (Closed Flume) Type I	EA	14
32	Inlets (Closed Flume) Type II	EA	1
33	Manhole (Type J-8) >10'	EA	1
34	Manhole (Type P-8)	EA	3
35	Manhole (Type P-8) >10'	EA	1
36	Manhole (Type P-8) (Partial)	EA	3
37	Pipe Culvert (12")	LF	33
38	Pipe Culvert (18")	LF	1623
39	Pipe Culvert (24")	LF	137
40	Pipe Culvert (30")	LF	8
41	Pipe Culvert (72")	LF	24
42	Mitered End Section (Round) (18")	EA	11
43	French Drain (18")	LF	1196
44	Trench Drain	LF	10
45	Concrete Ditch Pavement 4" Reinforced	SY	86
46	Concrete Curb and Gutter (Type F)	LF	10430
47	Engraving of Curb Face (See SP's)	EA	5
48	Conc. Sidewalk (4" Thick)	SY	2150
49	Conc. Sidewalk (6" Thick) (Driveways)	SY	411
50	Pipe Handrail - Guiderail, Aluminum	LF	138
51	Guardrail (Roadway) (F&I)	LF	4457
52	Special Guardrail Posts	EA	104
53	Guardrail Removal	LF	4532
54	End Anchorage Assemblies (Parallel)	EA	1
55	End Anchorage Assemblies (Type CRT)	EA	6
56	End Anchorage Assemblies (Trailing)	EA	1
57	End Anchorage Assemblies (Bridge)	EA	2
58	Sodding	SY	11188
59	Mowing	AC	4.44
CONTINGENCY ITEMS			
NO.	DESCRIPTION	UNIT	QTY.
60	Temporary 6' Chain Link Fence	LF	500
61	Class I Concrete (Miscellaneous)	CY	20.0
62	Flowable Fill	CY	20.0
63	Premium For Conflict Condition	EA	4
64	Subsoil Excavation (See SP's)	CY	10.0
65	Storm Sewer Cleaning (24" or less) See SP's	LF	200
66	Traffic Control Officer (NON MOT)	HR	50
67	Changeable (Variable Message) Sign (NON MOT)	ED	2
68	Adjust Fire Hydrant	EA	2
UTILITY PAY ITEMS			
NO.	DESCRIPTION	UNIT	QTY.
69	Adjust Valve Boxes (Incl. Concrete Collar)	EA	10
70	Adjust Utility Manhole	EA	5
71	Support and Protect Utility Poles	EA	15
72	Support and Protect Buried Cable	LF	150
73	Support and Protect Fiber Optic Cable	LF	150
74	Support and Protect WM & Appurtenances	LF	150
75	Support and Protect GM & Appurtenances	LF	150
76	Support and Protect FM & Appurtenances	LF	150

PAY ITEM FOOTNOTES:

- ITEM 2
- INCLUDES PAYMENT FOR MAINTENANCE OF TRAFFIC AND ALL PROVISIONS NECESSARY TO MAINTAIN TWO-WAY TRAFFIC ON BENOIST FARMS ROAD THROUGHOUT CONSTRUCTION. INCLUDES THE COST FOR TEMPORARY SIGNALS, INCLUDING MODIFICATIONS TO THE EXISTING TEMPORARY SIGNALS AT THE INTERSECTION OF BENOIST FARMS ROAD AND SOUTHERN BOULEVARD. EFFORT ASSOCIATED WITH TEMPORARY SIGNALIZATION INCLUDES COORDINATION WITH THE FLORIDA DEPARTMENT OF TRANSPORTATION AND PALM BEACH COUNTY (TRAFFIC DIVISION). ALL COSTS ASSOCIATED WITH TRAFFIC CONTROL SHALL BE INCLUDED IN THE BID PRICE FOR MAINTENANCE OF TRAFFIC. IN ADDITION, ALL TEMPORARY PAVEMENT AND ALL PAVEMENT MARKING REMOVAL COSTS ASSOCIATED WITH THE PROPOSED PAVEMENT MARKINGS PLACEMENT ARE TO BE INCLUDED. INCLUDES ALL COST RELATED TO TEMPORARY DRAINAGE THROUGHOUT CONTRUCTION.
- ITEM 3
- INCLUDES COST OF REMOVAL OF EXISTING DRAINAGE STRUCTURES AND PIPES; ASPHALT PAVEMENT; CURBS; BASE; SOD; FENCE.
- ITEM 5
- INCLUDES FLOATING TURBIDITY BARRIER TO BE PLACED ALSO AT ALL LWDD OUTLET POINTS WITHIN THE PROJECT LIMITS AND ANY MAINTENANCE AND REPAIR.
- ITEM 10
- INCLUDES COMPACTED SUBGRADE (98% AASHTO T-180) PAID FOR UNDER UNIT COST FOR BASE.
- ITEM 10-15
- INCLUDES BITUMINOUS MATERIAL, PRIME COAT AND TACK COAT, AS REQUIRED.
- ITEM 22-36
- INCLUDES COST OF CONCRETE ASSOCIATED WITH CONCRETE REINFORCEMENT OF INLETS AND SHALL BE INCIDENTAL TO THE COST OF THE INLET.
- ITEM 28-29
- INCLUDES DITCH PAVEMENT AS DETAILED IN THE SUMMARY OF DRAINAGE STRUCTURE SHEETS.
- ITEM 22-36
- FOR CONSTRUCTION OF THE DRAINAGE STRUCTURES WITHIN THE R/W, CONTRACTOR IS RESPONSIBLE FOR "TRENCH SAFETY COMPLIANCE" IN ACCORDANCE WITH THE SPECIAL PROVISIONS. ALL STRUCTURE BOXES ARE <10 FEET IN DEPTH, UNLESS OTHERWISE NOTED.
- ITEM 37-41
- INCLUDES ANY PIPE EXTENSIONS NECESSARY TO CONNECT EXISTING PIPE TO PROPOSED DRAINAGE STRUCTURES AND SHALL BE PAID FOR UNDER THE UNIT COST OF THE NEW DRAINAGE STRUCTURES.
- ITEM 42
- INCLUDES SOD AS DETAILED IN THE SUMMARY OF DRAINAGE STRUCTURE SHEETS.
- ITEM 46
- INCLUDES COST OF DETECTABLE WARNING SURFACES, CURB PADS, CURB TAPERS, FLARED ENDS, ADA RAMPS, STAMPED CONCRETE, DROP CURB, AND OPEN FLUMES WITH ASSOCIATED DITCH PAVEMENT.

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VENDOR NO. 451909667

NO.	REVISION	BY	DATE



PALM BEACH COUNTY
ENGINEERING AND PUBLIC WORKS
ROADWAY PRODUCTION
P.O. BOX 21229, WEST PALM BEACH, FLORIDA
(561) 684-4150

SCALE:	NTS
APPROVED:	JDW
DRAWN:	DA
CHECKED:	SDW
DATE:	2/1/2021

SUMMARY OF PAY ITEMS
BENOIST FARMS ROAD

DESIGN FILE NAME
CESS9001.DGN

DRAWING NO.

SHEET:	9
OF:	98
PROJECT NO.	2015509

PERMITS

SUMMARY OF EARTHWORK		
DESCRIPTION	CY	
	P	F
ROADWAY EXCAVATION		
BENOIST FARMS ROAD	11480	
TOTAL EXCAVATION	11480	
ROADWAY EMBANKMENT		
BENOIST FARMS ROAD	799	
TOTAL EMBANKMENT	799	

SUMMARY OF RAILING					
LOCATION	SIDE	PIPE HANDRAIL - GUIDERAIL (ALUMINUM)		DESIGN NOTES	CONSTRUCTION REMARKS
		0515 1 2			
		LF			
		P	F		
STA. TO STA.					
130+33.20 to 130+47.20	LT	15.0			
132+05.50 to 132+14.50	LT	9.0			
133+75.50 to 133+84.50	LT	9.0			
135+85.72 to 135+94.72	LT	9.0			
137+55.72 to 137+64.72	LT	9.0			
140+83.00 to 140+97.00	LT	15.0			
143+25.50 to 143+34.50	LT	9.0			
145+60.50 to 145+69.50	LT	9.0			
147+15.50 to 147+24.50	LT	9.0			
148+65.50 to 148+74.50	LT	9.0			
151+45.50 to 151+54.50	LT	9.0			
152+55.50 to 152+64.50	LT	9.0			
160+35.57 to 160+44.44	LT	9.0			
160+85.74 to 160+90.81	LT	9.0			
SUB-TOTAL :		138.0			
TOTAL :		138			

P:\2016 CP&G\0007 (Benoist Farms Road)\2015509\roadway\SUMPRD01.DGN
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ENGINEERING AND PUBLIC WORKS
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(561) 684-4150

SCALE:	NTS
APPROVED:	JDW
DRAWN:	DA
CHECKED:	SDW
DATE:	1/29/2021

SUMMARY OF QUANTITIES
BENOIST FARMS ROAD

DESIGN FILE NAME
SUMPRD01.DGN

DRAWING NO.

SHEET:
OF:
PROJECT NO. 2015509

PERMITS

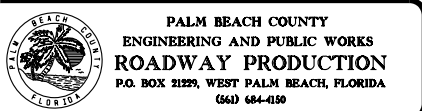
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NO.	REVISION	BY	DATE



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DATE: 1/29/2021

SUMMARY OF QUANTITIES
BENOIST FARMS ROAD

DESIGN FILE NAME
SUMORDOI.DGN

DRAWING NO.


SHEET:
OF:
PROJECT NO:
2015509

PERMITS

QUANTITY	STR NO.	STATION	SIDE	DESCRIPTION	BARRELS	FRENCH DRAIN (LF)	TRENCH DRAIN (LF)	STORM & CROSS DRAIN OPTIONAL TYPE (LF)					CLASS I CONCRETE (ENDWALL) (CY)	CLASS II CONCRETE (ENDWALL) (CY)	REINFORCE. STEEL (LB)	CURB INLETS (EA)					MANHOLE (EA)				DITCH BOTTOM INLETS (EA)				CLOSED FLUME INLETS (EA)		MES (EA)	SOD (SY)	DITCH PAVT. (SY)	REMARKS						
						ROUND	TYPE I	ROUND								P-1	P-2	P-5	J-5	P-6	P-8	P-8	J-8	P-8	C	E MOD.	E MOD.	PART	TYPE 1		TYPE 2				18"					
						18"		12"	18"	24"	30"	72"				<10'	<10'	<10'	>10'	<10'	<10'	>10'	>10'	PART	<10'	<10'	>10'	<10'	1	2										
P	S-1	118+10.00	LT.	INLET, PIPE	1		10	33	67																															
F																																								
P	S-2	118+20.00	RT.	INLET, PIPE	1				111																															
F																																								
P	S-3	118+80.00	LT.	INLET, PIPE	1	73																																		
F																																								
P	S-4	119+34.00	RT.	INLET, PIPE	1	173																																		
F																																								
P	S-5	119+56.00	LT.	INLET, PIPE	1				96																															
F																																								
P	S-6	120+35.00	LT.	INLET, PIPE	1	75																																		
F																																								
P	S-7	121+11.00	RT.	ENDWALL	1							2.24																												
F																																								
P	S-8	121+11.00	RT.	MANHOLE, PIPE	1				30																									CONTROL STRUCTURE						
F																																								
P	S-9	121+11.00	LT.	MANHOLE, PIPE	1				80																									W/ (1) CONC. JACKET						
F																																								
P	S-10	122+50.00	RT.	INLET, PIPE	1	135																																		
F																																								
P	S-11	122+50.00	LT.	INLET, PIPE	1				77																															
F																																								
P	S-12	123+90.00	LT.	INLET, PIPE	1				137																															
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P	S-13	123+90.00	RT.	INLET, PIPE	1				137																															
F																																								
P	S-14	125+12.00	RT.	ENDWALL	1							2.24																												
F																																								
P	S-15	125+12.00	RT.	INLET, PIPE	1				25																									CONTROL STRUCTURE						
F																																								
P	S-16	125+12.00	LT.	INLET, PIPE	1				70																															
F																																								
P	S-17	128+00.00	LT.	INLET, PIPE	1	285																																		
F																																								
P	S-18	128+69.00	LT.	INLET, PIPE	1				66																															
F																																								
P	S-19	128+90.00	RT.	INLET, PIPE	1				68																															
F																																								
P	S-20	130+40.00	LT.	FLUME	2																													0.60 CY OF DITCH PAVT.						
F																																								
P	S-21	131+20.00	LT.	MES, PIPE	1				51																									SEE MES TABLE						
F																																								
P	S-22	131+76.00	LT.	MES																														SEE MES TABLE						
F																																								
P	S-23	132+10.00	LT.	FLUME	1																													0.40 CY OF DITCH PAVT.						
F																																								
P	S-24	132+10.00	LT.	MANHOLE, PIPE	1	167																																		
F																																								
P	S-25	133+80.00	LT.	FLUME	1																													0.20 CY OF DITCH PAVT.						
F																																								
P	S-26	133+80.00	LT.	DBI, PIPE	1				42																									17.6 CONTROL STRUCTURE						
F																																								
P	S-27	134+25.00	LT.	ENDWALL, PIPE	1							24			14.4		1249																							
F																																								
P	S-28	134+80.00	LT.	DBI, PIPE	1				52																									13.3 CONTROL STRUCTURE						
SHEET TOTALS				PLAN QUANTITY		908	10	33	984	125	0	24		4.48		14.4		1249		7	2	3	1	2		1	1	1	0	0	0	2	0	2	1	0	2	18	30.9	
				FINAL QUANTITY																																				

SCALAR CONSULTING GROUP INC.
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VENDOR NO. 451909667

NO.	REVISION	BY	DATE



PALM BEACH COUNTY
ENGINEERING AND PUBLIC WORKS
ROADWAY PRODUCTION
P.O. BOX 21229, WEST PALM BEACH, FLORIDA
(561) 684-4150

SCALE: 1/50
APPROVED: JDW
DRAWN: DA
CHECKED: SDW
DATE: 2/1/2021

SUMMARY OF
DRAINAGE STRUCTURES

DESIGN FILE NAME
SUMDR002.DGN

DRAWING NO.

SHEET:
OF:
PROJECT NO.
2005509

PER-44

PERMITS

2/1/2021 10:05:42 AM P:\2016\SP1609001\Benoist Farms Road\201509\drainage\SUMDAD02.DGN

PERMITS

QUANTITY	STR NO.	STATION	SIDE	DESCRIPTION	BARRELS	FRENCH DRAIN (LF)	TRENCH DRAIN (LF)	STORM & CROSS DRAIN OPTIONAL TYPE (LF)					CLASS I CONCRETE (ENDWALL) (CY)	CLASS II CONCRETE (ENDWALL) (CY)	REINFORCE. STEEL (LB)	CURB INLETS (EA)					MANHOLE (EA)				DITCH BOTTOM INLETS (EA)				CLOSED FLUME INLETS (EA)		MES (EA)	SOD (SY)	DITCH PAVT. (SY)	REMARKS		
						ROUND	TYPE I	ROUND								P-1	P-2	P-5	J-5	P-6	P-8	P-8	J-8	P-8	C	E MOD.	E MOD.	PART	TYPE 1						TYPE 2	18"
								12"	18"	24"	30"	72"				<10'	<10'	<10'	>10'	<10'	<10'	>10'	>10'	PART	<10'	<10'	>10'	<10'	1	2						
								18"	12"	18"	24"	30"				72"	<10'	<10'	<10'	>10'	<10'	<10'	>10'	>10'	PART	<10'	<10'	>10'	<10'	1						
P	S-56	160+25.00	LT.	MES	1																									1	9		SEE MES TABLE			
F																																				
P	S-57	160+40.00	LT.	FLUME	1																												0.37 CY OF DITCH PAVT.			
F																																				
P	S-58	160+69.00	LT.	DBI, PIPE	1					12																							18.3	CONTROL STRUCTURE		
F																																				
P	S-59	160+77.43	LT.	MANHOLE, PART.																																
F																																				
P	S-60	160+95.00	LT.	FLUME	1																													0.30 CY OF DITCH PAVT.		
F																																				
P	S-61	161+05.00	RT.	FLUME	1																													0.70 CY OF DITCH PAVT.		
F																																				
P	S-62	161+05.00	RT.	DBI, PART.	1																															
F																																				
SHEET TOTALS				PLAN QUANTITY		0	0	0	0	12	0	0	0	0	0	0	0	0	0	1	0	1	0	1	2	0	1	1	9	18.3						
				FINAL QUANTITY																																
GRAND TOTALS				PLAN QUANTITY		1196	10	33	1623	137	8	24	6.04	14.4	1249	7	2	4	2	2	3	1	1	3	1	2	3	1	12	2	1	11	99	85.8		
				FINAL QUANTITY																																


SIDE DRAIN MITERED END SECTIONS TABLE						
STRUCTURE	STATION	OFFSET	ELEV.	DIA.	SLOPE	INDEX #
S-21	131+20.00	50.00' LT	14.00	18"	1:4	430-022
S-22	131+76.00	50.00' LT	14.00	18"	1:4	430-022
S-31	136+86.00	48.00' LT	14.00	18"	1:4	430-022
S-32	137+37.00	48.00' LT	14.00	18"	1:4	430-022
S-36	144+82.00	45.00' LT	14.20	18"	1:4	430-022
S-37	145+38.00	45.00' LT	14.10	18"	1:4	430-022
S-42	147+79.00	45.00' LT	14.00	18"	1:4	430-022
S-43	148+37.00	45.00' LT	14.10	18"	1:4	430-022
S-46	151+70.00	42.00' LT	12.90	18"	1:4	430-022
S-47	152+37.00	42.00' LT	12.30	18"	1:4	430-022
S-56	160+25.00	44.00' LT	12.10	18"	1:4	430-022

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2/1/2021

SCALAR CONSULTING GROUP INC.
5713 CORPORATE WAY, SUITE 200
WEST PALM BEACH, FL 33407
TEL. 561-429-5065
JOHN D. WHITAKER, P.E.
P.E. NO.: 68599
VENDOR NO. 451909667



NO.	REVISION	BY	DATE



PALM BEACH COUNTY
ENGINEERING AND PUBLIC WORKS
ROADWAY PRODUCTION
P.O. BOX 21229, WEST PALM BEACH, FLORIDA
(561) 684-4150

SCALE:	1:50
APPROVED:	JDW
DRAWN:	DA
CHECKED:	SDW
DATE:	2/1/2021

SUMMARY OF
DRAINAGE STRUCTURES

DESIGN FILE NAME
SUMPD002.DGN

DRAWING NO.

SHEET:	
OF:	
PROJECT NO.	205509

PERMITS

1. PRIOR TO COMMENCEMENT OF AN EXCAVATION, THE CONTRACTOR SHALL COMPLY WITH FLORIDA STATUTE 556.105 FOR THE PROTECTION OF UNDERGROUND GAS PIPELINES.
2. GRADES SHOWN ARE FINISHED GRADES, UNLESS OTHERWISE NOTED.
3. BENCHMARK ELEVATIONS SHOWN ON THE PLANS ARE NORTH AMERICAN VERTICAL DATUM (NAVD) 1988.
4. EXISTING SECTION CORNERS, QUARTER SECTION CORNERS, PROPERTY CORNERS, PALM BEACH COUNTY SURVEY CONTROL MONUMENTS AND ALL OTHER PERMANENT MONUMENTS LOCATED WITHIN PROPOSED CONSTRUCTION ARE TO BE REFERENCED PRIOR TO CONSTRUCTION AND RESET AFTER CONSTRUCTION BY A PROFESSIONAL SURVEYOR AND MAPPER WITH A MONUMENT BEARING EITHER THE FLORIDA LICENSE NUMBER OR CERTIFICATE OF AUTHORIZATION NUMBER OF THE PARTY IN RESPONSIBLE CHARGE. PALM BEACH COUNTY SHALL BE NOTIFIED UPON COMPLETION AND PROVIDED WITH FIELD NOTES, CERTIFIED CORNER RECORDS AND ALL SUPPORTING INFORMATION PRIOR TO FINAL CERTIFICATION OF THE PROJECT.
5. UTILITIES ARE TO BE ADJUSTED OR RELOCATED BY OTHERS AS DIRECTED BY THE ENGINEER UNLESS OTHERWISE NOTED.
6. THE LOCATION OF THE EXISTING UTILITIES SHOWN IN THE PLANS ARE APPROXIMATE ONLY; THE EXACT LOCATIONS SHALL BE DETERMINED BY THE CONTRACTOR PRIOR TO THE START OF CONSTRUCTION. IN ADDITION, THE CONTRACTOR SHALL BE RESPONSIBLE TO VERIFY IF OTHER UTILITIES (NOT SHOWN IN THE PLANS) EXIST WITHIN THE AREA OF CONSTRUCTION. SHOULD THERE BE UTILITY CONFLICTS, THE CONTRACTOR SHALL INFORM THE ENGINEER AND NOTIFY THE RESPECTIVE UTILITY OWNERS TO RESOLVE UTILITY CONFLICTS AND UTILITY ADJUSTMENTS, AS REQUIRED.
7. ALL KNOWN UTILITY COMPANIES WITHIN THE PROJECT LIMITS ARE LISTED WITH CONTACT PERSON AND PHONE NUMBER, AS FOLLOWS:

CONTACT PERSON	UTILITY	PHONE NUMBER
PETER PIZZA	COMCAST	(561) 419-1612
MICHAEL ALEXANDER	FLORIDA CITY GAS	(305) 968-5516
MICHAEL RODRIGUEZ	CROWN CASTLE	(954) 232-1070
PHILLIP PASCASIO	FPL - DISTRIBUTION	(321) 214-3865
FERNANDO VAN LEEUWEN	FLORIDA PUBLIC UTILITIES	(561) 398-2338
TISH STEINFELS	PBC WATER UTILITIES	(561) 740-4600
OPERATIONS SUPT.	PBC TRAFFIC SIG	(561) 233-3900
DANIEL RODRIGUEZ	PBC TRAFFIC ITS	(561) 684-4365
KEN SCHNEIDER	PBC TRAFFIC ISS	(561) 632 9734
GARTH BEDWARD	AT&T FLORIDA	(561) 540-9263

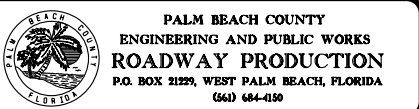
8. UTILITY LOCATIONS MAY ALSO BE DETERMINED BY CALLING 811 SUNSHINE ONE-CALL AND THE RESPECTIVE UTILITY COMPANY.
9. STATIONS AND OFFSETS REFER TO THE CENTERLINE OF CONSTRUCTION, UNLESS OTHERWISE NOTED.
10. INTERSECTING ROADS AND DRIVEWAYS ARE TO BE GRADED AS DIRECTED BY THE ENGINEER, UNLESS OTHERWISE NOTED.
11. MAINTENANCE OF TRAFFIC SHALL BE IN ACCORDANCE WITH CURRENT FLORIDA DEPARTMENT OF TRANSPORTATION STANDARDS AND THE MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES.
12. ALL PIPES SHALL BE IN ACCORDANCE WITH FLORIDA DOT AND PALM BEACH COUNTY REQUIREMENTS, AND SHALL BE A MINIMUM 18" DIAMETER WITHIN COUNTY RIGHT-OF-WAY.
13. ALL INLET DRAINAGE STRUCTURES SHALL HAVE A MINIMUM 2' SUMP, EXCEPT CONTROL STRUCTURES. VARIATION FROM THIS REQUIREMENT MAY BE ALLOWED IN LIMITED CIRCUMSTANCES, SUCH AS TO AVOID A CONFLICT. WEEP HOLES SHALL NOT BE A PART OF THESE SUMPS.
14. PEDESTRIAN AND VEHICULAR TRAFFIC SHALL BE MAINTAINED AND PROTECTED AT ALL TIMES. SIGNS, BARRICADES AND LIGHTS SHALL BE PROVIDED IN ACCORDANCE WITH FLORIDA DEPARTMENT OF TRANSPORTATION DESIGN STANDARDS DATED 2017 AND FHWA "MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES (MUTCD)". THE CONTRACTOR SHALL SUBMIT A CONSTRUCTION SEQUENCE AND TRAFFIC CONTROL PLAN TO PALM BEACH COUNTY DEPARTMENT OF ENGINEERING AND PUBLIC WORKS AND SHALL RECEIVE WRITTEN APPROVAL OF THE PLAN FROM THE COUNTY PRIOR TO BEGINNING CONSTRUCTION OF THE PROJECT.
15. THE CONTRACTOR SHALL NOTIFY ALL PROPERTY OWNERS 14 DAYS IN ADVANCE OF ANY CONSTRUCTION TO ALLOW PROPERTY OWNERS THE OPPORTUNITY TO RELOCATE ANY PRIVATE PROPERTY (LANDSCAPING, IRRIGATION SYSTEMS, SIGNS, ETC.) THAT ARE IN CONFLICT WITH THE PROPOSED ROADWAY CONSTRUCTION.
16. THE CONTRACTOR SHALL NOTIFY THE UTILITY COMPANIES A MINIMUM OF 5 WORKING DAYS IN ADVANCE OF ANY CONSTRUCTION INVOLVING THEIR FACILITIES SO THAT THEIR COMPANY REPRESENTATIVE CAN BE PRESENT.
17. THE CONTRACTOR IS TO USE CAUTION WHEN WORKING IN OR AROUND AREAS OF OVERHEAD TRANSMISSION LINES AND/OR UNDERGROUND UTILITIES.
18. THE CONTRACTOR SHALL NOTIFY PALM BEACH COUNTY'S REPRESENTATIVE IF SOIL OR SUBSURFACE CONDITIONS UNSUITABLE FOR CONSTRUCTION ARE ENCOUNTERED.

20. ANY N.G.V.D. OR N.A.V.D. MONUMENT WITHIN THE LIMITS OF CONSTRUCTION IS TO BE PROTECTED. IF IN DANGER OF DAMAGE THE CONTRACTOR SHOULD NOTIFY:
NATIONAL GEODETIC INFORMATION SERVICE CENTER
NOAA NATIONAL GEODETIC SURVEY N/CG 17
SSMC 3 STATION 09202
SILVER SPRINGS, MARYLAND 20910
TELEPHONE NO. (301) 713-3242
21. THE CONTRACTOR SHALL RESTORE ALL AREAS DISTURBED BY THIS CONSTRUCTION TO A CONDITION EQUAL TO, OR BETTER THAN, THE EXISTING CONDITION AT THE TIME CONSTRUCTION BEGAN.
22. ALL EXISTING DRAINAGE STRUCTURES, PIPES AND APPURTENANCES WITHIN THE LIMITS OF CONSTRUCTION ARE TO REMAIN UNLESS OTHERWISE NOTED.
23. THE CONTRACTOR IS RESPONSIBLE FOR THE PROTECTION AND/OR REMOVAL, STORAGE, AND REINSTALLATION OF ALL EXISTING ITEMS NOTED TO REMAIN OR TO BE RELOCATED. THE CONTRACTOR SHALL NOTIFY THE ENGINEER, IN WRITING, PRIOR TO COMMENCING CONSTRUCTION IF SAID ITEMS ARE DAMAGED, MISSING, OR IN A DETERIORATED CONDITION.
24. IN AREAS OF PAVEMENT WIDENING ALL EXISTING PAVEMENT EDGES ARE TO BE MECHANICALLY SAWCUT TO A CLEAN, STRAIGHT EDGE.
25. ALL VEGETATION, DEBRIS, CONCRETE, OR OTHER UNSUITABLE MATERIAL SHALL BE DISPOSED OF OFF-SITE IN AN AREA PROVIDED BY THE CONTRACTOR.
26. CALLOUTS FOR PAVEMENT AND CURBING RADII, STATIONING, OFFSETS, AND ELEVATIONS REFER TO THE EDGE OF PAVEMENT UNLESS OTHERWISE NOTED.
27. CALLOUTS FOR LOCATIONS OF DRAINAGE STRUCTURES REFER TO THE LOCATION POINT AS INDICATED IN THE FLORIDA DEPARTMENT OF TRANSPORTATION STANDARD PLANS FOR THE REFERENCED DRAINAGE STRUCTURES UNLESS OTHERWISE NOTED.
28. ALL MAILBOXES CURRENTLY SERVED FROM THE ROADWAY BEFORE CONSTRUCTION MUST BE SERVED IN THE SAME MANNER DURING AND AFTER CONSTRUCTION IN CONFORMANCE WITH FLORIDA DEPARTMENT OF TRANSPORTATION INDEX NO. 110-200. COSTS FOR THIS ARE INCLUDED IN THE COSTS FOR CLEARING AND GRUBBING.
29. ALL EXISTING IRRIGATION SYSTEM COMPONENTS CONFLICTING WITH THE PROPOSED CONSTRUCTION SHALL BE REMOVED AND DISPOSED OF BY THE CONTRACTOR. EXISTING PIPES SHALL BE CAPPED PRESSURE TIGHT AT THE R/W LINE. EXISTING CONTROL WIRING SHALL BE CUT, SEALED AND LEFT BURIED BELOW GRADE AT THE R/W LINE. COSTS FOR THIS ARE INCLUDED IN THE COSTS FOR CLEARING AND GRUBBING.
30. THE CONTRACTOR SHALL PROTECT ALL TREES TO REMAIN DURING ALL ASPECTS OF THE WORK. PROTECTION SHALL INCLUDE THE ERECTION AND MAINTENANCE OF AN ENGINEER APPROVED TREE PROTECTION FENCE. THE FENCE SHALL BE ERECTED AT THE TREE DRIP LINE PRIOR TO BEGINNING CONSTRUCTION AND SHALL REMAIN UNTIL CONSTRUCTION IS COMPLETE. COSTS FOR THIS ARE INCLUDED IN THE COSTS FOR CLEARING AND GRUBBING.
31. BENCHMARK INFORMATION SHOWN IN THE PLAN AND PROFILE SHEETS ARE FOR INFORMATIONAL PURPOSES ONLY.

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1/29/2020

SCALAR CONSULTING GROUP INC.
5713 CORPORATE WAY, SUITE 200
WEST PALM BEACH, FL 33407
TEL. 561-429-5065
JOHN D. WHITAKER, P.E.
P.E. NO.: 68599
VENDOR NO. 451909667

NO.	REVISION	BY	DATE



SCALE:	1/10
APPROVED:	JDW
DRAWN:	DA
CHECKED:	SDW
DATE:	1/29/2020

GENERAL NOTES (1)	
BENOIST FARMS ROAD	
DESIGN FILE NAME GNNTRDDI.DGN	DRAWING NO.

SHEET:
OF:
PROJECT NO. 201509

PERMITS

FDOT GENERAL NOTES
(FOR WORK AT THE SR-80 INTERSECTION)
(FDOT PERMIT NO. 2020-C-496-00013-93120)

* PERMITTEE WILL COORDINATE (PRE-CONSTRUCTION MEETING, INSPECTIONS, FINAL ACCEPTANCE OF WORK, ETC) ALL PERMITTED WORK WITH ROSIE EVERT AT 561-370-1139 OR EMAIL ROSIE.EVERT@DOT.STATE.FL.US 48 HOURS PRIOR TO CONSTRUCTION. CERTIFICATION ACCEPTANCE AND FINAL APPROVAL IS CONTINGENT UPON CONFORMITY OF ALL WORK COMPLETED ACCORDING TO THIS PERMIT AND THE RESTORATION OF THE RIGHT OF WAY.

* THIS PERMIT IS VALID ONLY FOR WORK PROPOSED WITHIN THE D.O.T. RIGHT-OF-WAY. CERTIFICATION ACCEPTANCE AND FINAL APPROVAL IS CONTINGENT UPON CONFORMITY OF ALL WORK COMPLETED ACCORDING TO THIS PERMIT AND THE RESTORATION OF THE RIGHT OF WAY.

* A STAFF MEMBER OF THE PERMITTEE/UAO SHALL ATTEND ALL REQUIRED FDOT FIELD MEETINGS AND/OR INSPECTIONS.

* ALL MATERIALS AND CONSTRUCTION WITHIN THE FLORIDA DEPARTMENT OF TRANSPORTATION DESIGN (FDOT) RIGHT-OF-WAY SHALL CONFORM TO THE "LATEST VERSION OF FDOT STANDARD PLANS FOR ROAD AND BRIDGE CONSTRUCTION AND LATEST VERSION OF THE STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION".

* ALL MAINTENANCE OF TRAFFIC (MOT) FOR THIS PROJECT WILL BE IN COMPLIANCE WITH THE DEPARTMENTS CURRENT EDITION OF THE FDOT STANDARD PLANS FOR ROAD AND BRIDGE CONSTRUCTION INDICES, (102-600 SERIES) AND THE LATEST EDITION OF THE MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES (MUTCD). THE OPERATIONS ENGINEER OR HIS DESIGNEE RESERVES THE RIGHT TO DIRECT THE REMOVAL/RELOCATION/MODIFICATION OF ANY TRAFFIC DEVICES(S) AT THE PERMITTEE'S SOLE EXPENSE. SPECIAL ATTENTION WILL BE GIVEN TO INDICES 102-611, 102-612, 102-613, AND 102-660.

* STRUCTURAL INSPECTION: CALL FOR A PRELIMINARY STRUCTURAL INSPECTION:

-THE DEPARTMENT REQUIRES AN ANTICIPATED DATE OF INSPECTION OF STRUCTURES AT THE BEGINNING OF THE PROJECT. A TENTATIVE DATE SHALL BE THE SCHEDULE AT THE PRE-CON. IF THE ESTIMATED SCHEDULE CHANGES BY MORE THAN A FEW MONTHS THEN DEPARTMENT WOULD EXPECT TO BE NOTIFIED OF THE NEW DATES.

-ONCE THE MAIN ASSEMBLY OF THE STRUCTURE HAVE BEEN MOUNTED ONTO THEIR RESPECTIVE FOUNDATION(S), A *PRE-ACCEPTANCE STRUCTURAL INSPECTION* IS REQUIRED BY THE DEPARTMENT. IT IS THE RESPONSIBILITY OF THE QUALIFIED STRUCTURAL CEI THAT HAS BEEN CONTRACTED THROUGHOUT THE CONSTRUCTION TO CONTACT THE DEPARTMENT AND SCHEDULE THE FIELD INSPECTION. THIS INSPECTION SHALL BE CONDUCTED PRIOR TO GROUTING THE BASE(S) TO INCLUDE THE INSPECTION OF THE LEVELING BOLTS ALONG WITH THE FOUNDATION AND STRUCTURE. ALL PUNCH LIST ITEMS MUST BE COMPLETED AT THE TIME OF THE PRE-INSPECTION. A 2-WEEK ADVANCED NOTIFICATION IS REQUIRED FOR PRE-ACCEPTANCE INSPECTIONS WHICH MUST INCLUDE A LIST OF OUTSTANDING PUNCH LIST ITEMS, THE STRUCTURE PLANS/SHOP DRAWINGS, AND A STRUCTURE NUMBER REQUEST FORM FILLED OUT.

* PERMITTEE WILL MAINTAIN TEN (10) TIMES THE BORE DIAMETER FOR MINIMUM DEPTH OF COVERAGE. MULTIPLE PULL BACKS WILL BE THE AGGREGATE OF THE DIAMETERS TIMES TEN (10) TO OBTAIN THE MINIMUM DEPTH OF COVERAGE IN INCHES.

* ALL THERMOPLASTIC TRAFFIC STRIPES, MARKINGS AND SIGNAGE WILL BE INSTALLED PER THE FDOT STANDARD PLANS FOR ROAD AND BRIDGE CONSTRUCTION.

* FOR ANY UNDERGROUND WORK, THE CONTRACTOR MUST CONTACT SIGNAL TRAFFIC CONTROL MAINTAINING AGENCY PRIOR TO CONSTRUCTION.

* ALL UTILITY POLES, MAST ARM ASSEMBLIES, STRAIN POLES, DOWN GUYS, ELECTRICAL SWITCHES, ELECTRONIC CABINETS, SIGN(S), FIRE HYDRANTS, PEDESTALS, WELLS & PUMP HEAD ASSEMBLIES & ASSOCIATED ABOVE GROUND IRRIGATION, CONTROL PANELS AND APPURTENANCES SHALL BE INSTALLED IN ACCORDANCE WITH LATERAL OFFSETS AND CLEAR ZONE DETAILS.

* DRAINAGE INLET TOP, INCLUDING GRATE, WILL BE REMOVED AND DELIVERED TO WPB OPERATIONS BY THE PERMITTEE/CONTRACTOR AT THEIR EXPENSE OR AS DIRECTED BY THE OPERATIONS ENGINEER.

* PERMITTEE MUST OBTAIN FDOT UTILITY PERMIT FOR RELOCATION/INSTALLATION OF UTILITY FACILITIES WITHIN FDOT R/W PRIOR TO COMMENCING PERMITTED WORK. ALSO ENSURE ALL UTILITY WORK PERFORMED WITHIN FDOT R/W OBTAINS PROPER UTILITY PERMITS BY RESPECTIVE UA0'S.

* PERMITTEE WILL RESTORE SWALE AREA ADJACENT TO PROPERTY/PROJECT LIMITS (4:1 OR FLATTER) AS DIRECTED BY THE DEPARTMENT'S OPERATION ENGINEER OR THEIR DESIGNEE.

* PERMITTEE SHALL RETURN ALL DRAINAGE GRATE, SIGNS, AND GUARDRAIL REQUIRED TO BE REMOVED AND DELIVER IT TO THE PALM BEACH OPERATIONS CENTER, 7900 W FOREST HILL BLVD AT THEIR EXPENSE OR AS DIRECTED BY THE OPERATIONS ENGINEER.

* PERMITTEE WILL MATCH ABUTTING PAVEMENT SECTION ADJACENT TO PERMITTED WORK WHICH INCLUDES THICKNESS AND TYPE OF ASPHALT & BASE & SUBGRADE MATERIAL OR AS DIRECTED BY THE LOCAL RESIDENT OPERATIONS ENGINEER OR DESIGNEE.

* SHALLOW POLE REMOVAL: SHALL CONSIST OF COMPLETELY REMOVING EACH POLE INCLUDING THE FOUNDATION AND ALL ACCESSORIES AND ATTACHMENTS, SUCH AS POLE KEYS, DEAD MEN, GUYING APPARATUS, CONDUIT, ANCHOR BOLTS AND REINFORCING STEEL.

* IT IS THE PERMITTEE'S RESPONSIBILITY TO OBTAIN FINAL ACCEPTANCE OF PERMITTED WORK (COMPLETED) AND THE RESTORATION OF THE RIGHT-OF-WAY FROM THE FDOT PRIOR TO USAGE.

* PERMITTEE WILL PROVIDE THE NECESSARY DENSITIES IN ACCORDANCE WITH SECTION 125-8 OF THE FDOT STANDARD SPECIFICATIONS FOR ROAD & BRIDGE CONSTRUCTION (LATEST EDITION) PRIOR TO FINAL ACCEPTANCE BY THE FDOT.

* PERMITTEE WILL RESTORE THE RIGHT OF WAY AT A MINIMUM, TO ITS ORIGINAL CONDITION OR BETTER IN ACCORDANCE WITH FDOT LATEST STANDARD SPECIFICATIONS FOR ROAD & BRIDGE CONSTRUCTION OR AS DIRECTED BY THE RESIDENT OPERATIONS ENGINEER.

* DURING THE REMOVAL/INSTALLATION OF ANY CURB AND GUTTER SECTION, THE PERMITTEE WILL BE RESPONSIBLE FOR ANY DAMAGE DONE TO THE ABUTTING ASPHALT. THE DAMAGED ASPHALT REPAIR WILL BE IN ACCORDANCE WITH THE CURRENT FDOT SPECIFICATIONS AND/OR AS DIRECTED BY THE RESIDENT OPERATIONS ENGINEER.

* ALL PUBLIC SIDEWALK CURB RAMPS WILL MEET THE FDOT STANDARD PLANS FOR ROAD AND BRIDGE CONSTRUCTION (CURRENT EDITION) INDEX NO. 522-002. CURB/RAMP INSPECTIONS REQUIRED PRIOR TO INSTALLATION OF CONCRETE.

* PERMITTEE SHALL PROVIDE THE PRODUCER'S CERTIFICATION (DELIVERY TICKET) FOR THE NS CONCRETE-2500 PSI (USED FOR SIDEWALK, CURB & GUTTER, DITCH PAVEMENT AND TRAFFIC SEPARATOR) PRIOR TO FINAL ACCEPTANCE BY FDOT. THE DELIVERY TICKET SHALL CERTIFY THE CONCRETE WAS BATCHED, DELIVERED AND PLACED IN ACCORDANCE WITH SECTION 347 OF THE FDOT STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION (CURRENT EDITION).

* PERMITTEE WILL PROVIDE THE PRODUCER'S CERTIFICATION FOR THE PRECAST COLLAR, SUPPORT SLAB, INLET GRATING, PIPE AND CLASS I CONCRETE, ETC. PRIOR TO FINAL ACCEPTANCE BY F.D.O.T. THE CERTIFICATION MUST BEAR THE ORIGINAL SIGNATURE OF A LEGALLY RESPONSIBLE PERSON FROM THE PRODUCER AND IS PROVIDED ON THE PRODUCER'S LETTERHEAD.

* PERMITTEE WILL BE REQUIRED TO DELIVER ALL SALVAGEABLE GUARDRAIL AND APPURTENANCES REMOVED, WITHIN THE LIMITS OF CONSTRUCTION TO THE FDOT PALM BEACH OPERATIONS CENTER PRIOR TO OBTAINING FINAL ACCEPTANCE BY THE DEPARTMENT.

* PERMITTEE WILL INSTALL GUARDRAIL IN ACCORDANCE WITH STANDARD PLANS FOR ROAD AND BRIDGE CONSTRUCTION INDEX 536-001 (I.E. OFFSETS FROM HAZARDS, END TREATMENTS, MOWING STRIP, ETC.).

* PERMITTEE SHALL "STEP CUT" BOTH THE BASE ROCK AND THE STRUCTURAL ASPHALT. "STEP CUT"FOR BASE ROCK SHALL BE 8" VERTICAL BY 12" HORIZONTAL.

* REMOVAL/INSTALLATION OF SIDEWALK WILL BE IN ACCORDANCE WITH STANDARD PLANS FOR ROAD AND BRIDGE CONSTRUCTION INDEX 522-001.

* SODDED AREAS WILL BE IN ACCORDANCE WITH FDOT STANDARD PLANS FOR ROAD AND BRIDGE CONSTRUCTION INDEX 570-010 AND SECTIONS 162, 981, 982, 983, 987 OF THE FDOT'S STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION, LATEST EDITION. ALL DISTURBED AREAS WILL BE SODDED WITHIN ONE (1) WEEK OF INSTALLATION OF SAID PERMITTED WORK.

* PERMITTEE SHALL MILL (MIN DEPTH OF 1 5/8") AND RESURFACE THE AFFECTED LANES AS DIRECTED. THE REPLACEMENT PAVEMENT TYPE SHALL BE IN ACCORDANCE WITH THE F.D.O.T.'S FRICTION COURSE POLICY, LATEST EDITION, EXCEPT WHERE PERMISSION IS GIVEN BY THE LOCAL RESIDENT OPERATIONS ENGINEER.

* OWNERSHIP OF ALL SUITABLE EXCAVATED MATERIALS WITHIN THE FDOT R/W, AS DETERMINED BY THE FDOT, SHALL REMAIN IN THE DEPARTMENT UNTIL A FINAL ACCEPTANCE OF THE PERMITTED PROJECT IS FULFILLED. EXCAVATED MATERIALS SHALL BE HAULED BY THE CONTRACTOR, AT THEIR COST & EXPENSE FROM THE SITE TO THE PALM BEACH OPERATIONS CENTER, 7900 W FOREST HILL BLVD OR STOCKPILED IN THOSE AREAS AS DIRECTED BY THE DOT, INCLUDING ASPHALT MILLINGS.

* RESTRICTED HOURS OF OPERATION FOR LANE CLOSURES WILL BE FROM 9:00AM TO 4:00 PM, (MONDAY-FRIDAY), UNLESS OTHERWISE APPROVED BY THE OPERATIONS ENGINEER, OR DESIGNEE. MOT SHALL BE PICKED UP BY 4:00 PM AND NOT START BEFORE 9:00 AM.

* PERMITTEE'S REPRESENTATIVE & AN F.D.O.T. INSPECTOR MUST BE ON SITE DURING ALL BORING ACTIVITIES. UPON COMPLETION OF THE BORING ACTIVITIES, PERMITTEE SHALL PROVIDE ALL DOCUMENTATION TO BE IN ACCORDANCE WITH FDOT STANDARD SPECIFICATIONS, SECTION 555 OR 556, WHICHEVER IS APPLICABLE.

* CONTRACTORS PERFORMING DIRECTIONAL DRILLING AND/OR JACK AND BORE ACTIVITIES SHALL PROVIDE THE FDOT (PERMITS OFFICE) PROOF OF A PROPER STATE CONTRACTOR'S LICENSE, CERTIFICATE OF LIABILITY INSURANCE AND MOT CERT W/ 24/7 CONTACT # AND EMAIL ATTACHED PRIOR TO ANY COMMENCEMENT OF PERMITTED WORK.

* PERMITTEE WILL ENSURE THAT ALL LOCATES HAVE BEEN PERFORMED PRIOR TO SCHEDULING OF ANY BORING ACTIVITIES. THIS SHALL INCLUDE SOFT DIGS TO VERIFY VERTICAL & HORIZONTAL ALIGNMENT.

* PERMITTEE'S CONTRACTORS THAT ARE PERFORMING PERMITTED WORK ACTIVITIES SHALL PROVIDE THE F.D.O.T. (PERMIT OFFICE) PROOF OF A PROPER STATE CONTRACTOR'S LICENSE, CERTIFICATE OF LIABILITY INSURANCE AND MOT CERT W/ 24/7 CONTACT # AND EMAIL ATTACHED PRIOR TO ANY COMMENCEMENT OF PERMITTED WORK.

* PERMITTEE SHALL OBTAIN A FDOT UTILITY PERMIT FOR INSTALLATION AND/OR RELOCATION OF EXISTING UTILITY FACILITIES PRIOR TO COMMENCING WORK IN THE FDOT R/W.

* ALL PULL BOXES SHALL HAVE A 1' WIDE (MIN) X 6"DEEP CONTINUOUS CONCRETE APRON SLOPED AWAY FROM BOX. (TYPICALLY 1%).


* PRIOR TO ANY WORK REQUIRING LANE CLOSURES, MOBILE OPERATIONS OR TRAFFIC PACING OPERATIONS, THE CONTRACTOR OR PERMITTEE SHALL SUBMIT A REQUEST TO THE DEPARTMENT THAT INCLUDES THE TIME, LOCATION, AND DESCRIPTION OF THE WORK BEING PERFORMED. THE LANE CLOSURE REQUEST SHALL BE SUBMITTED TO THE DEPARTMENT A MINIMUM OF 2 WEEKS PRIOR TO THE PROPOSED CLOSURE DATE AND MUST BE APPROVED BY THE DEPARTMENT BEFORE WORK, REQUIRING THE CLOSURE WITHIN FDOT R/W. YOU MUST ALSO COMPLY WITH THE LANE CLOSURE ANALYSIS AS OUTLINED IN THE FDOT DESIGN MANUAL (FDM) 241.1 & 240.4.2.7. THE REQUEST SHALL BE ENTERED INTO THE LANE CLOSURE INFORMATION SYSTEM (LCIS) BY THE PERMITTEE AT THE FOLLOWING URL ADDRESS: [HTTPS://WWW.FDOTLCIS.COM/LOGIN.ASPX](https://www.fdotlclis.com/login.aspx). EACH REQUEST WILL BE RECEIVED BY THE APPROPRIATE DEPARTMENT PERSONNEL FOR COMPLIANCE WITH CONTRACT OR PERMIT REQUIREMENTS AND COORDINATION WITH ADJACENT PROJECTS OR WORK ACTIVITIES.

* PERMITTEE WILL PROVIDE THE F.D.O.T. WITH CERTIFIED "AS-BUILT"PLANS PRIOR TO FINAL ACCEPTANCE OF THE PERMITTED WORK.

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1/29/2020

SCALAR CONSULTING GROUP INC.
5713 CORPORATE WAY, SUITE 200
WEST PALM BEACH, FL 33407
TEL. 561-429-5065
JOHN D. WHITAKER, P.E.
P.E. NO.: 68599
VENDOR NO. 451909667

NO.	REVISION	BY	DATE



PALM BEACH COUNTY
ENGINEERING AND PUBLIC WORKS
ROADWAY PRODUCTION
P.O. BOX 21229, WEST PALM BEACH, FLORIDA
(561) 684-4150

SCALE:	1/10
APPROVED:	JDW
DRAWN:	DA
CHECKED:	SDW
DATE:	1/29/2020

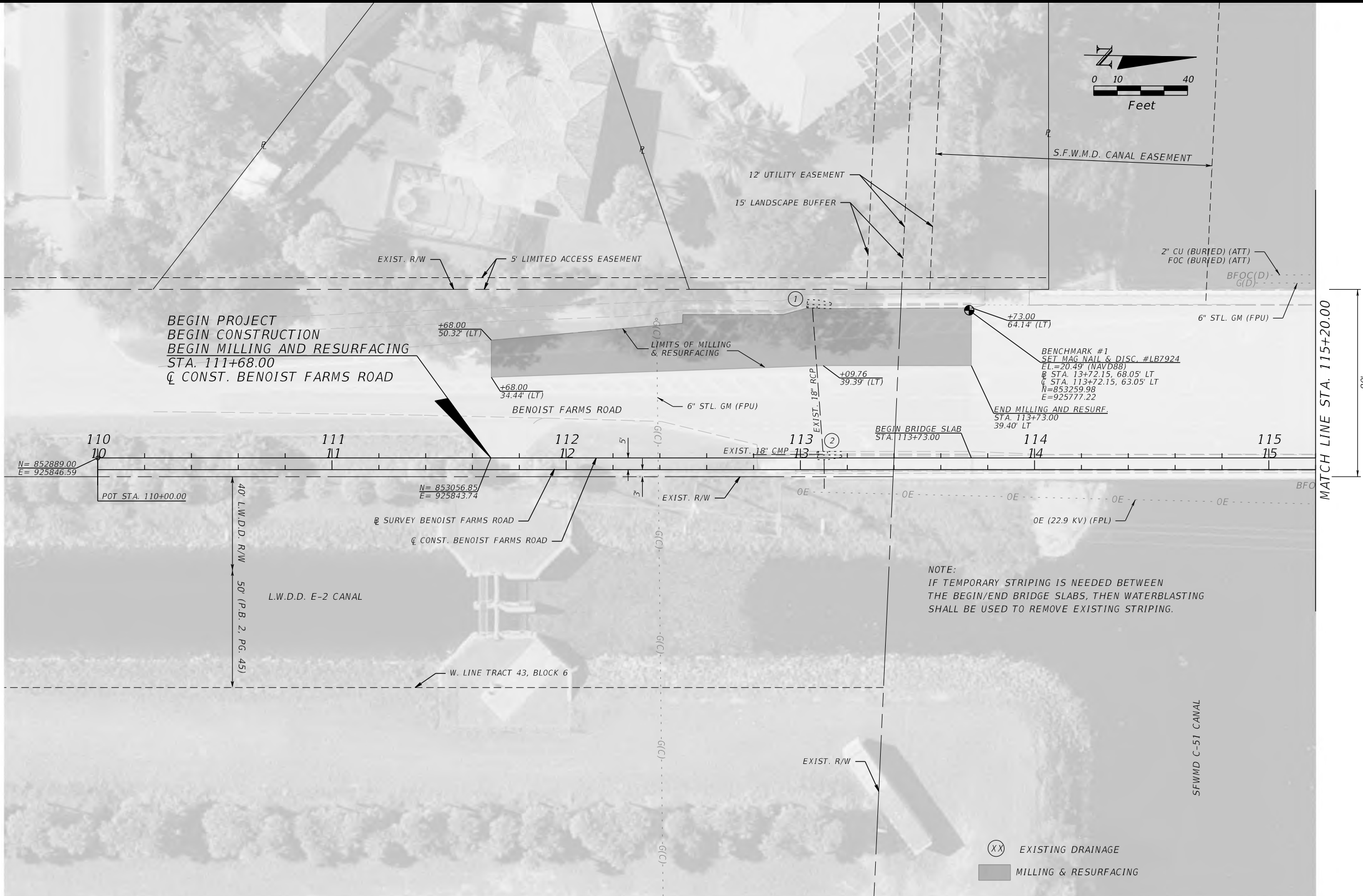
GENERAL NOTES (2)
BENOIST FARMS ROAD

DESIGN FILE NAME
GNWTRDD1.DGN

DRAWING NO.

SHEET:
OF:
PROJECT NO. 2015509

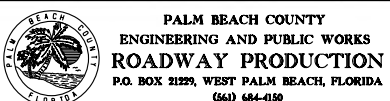
PERMITS



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1/29/2020

SCALAR CONSULTING GROUP INC.
5713 CORPORATE WAY, SUITE 200
WEST PALM BEACH, FL 33407
TEL. 561-429-5065
JOHN D. WHITAKER, P.E.
P.E. NO.: 68599
VENDOR NO. 451909667

NO.	REVISION	BY	DATE

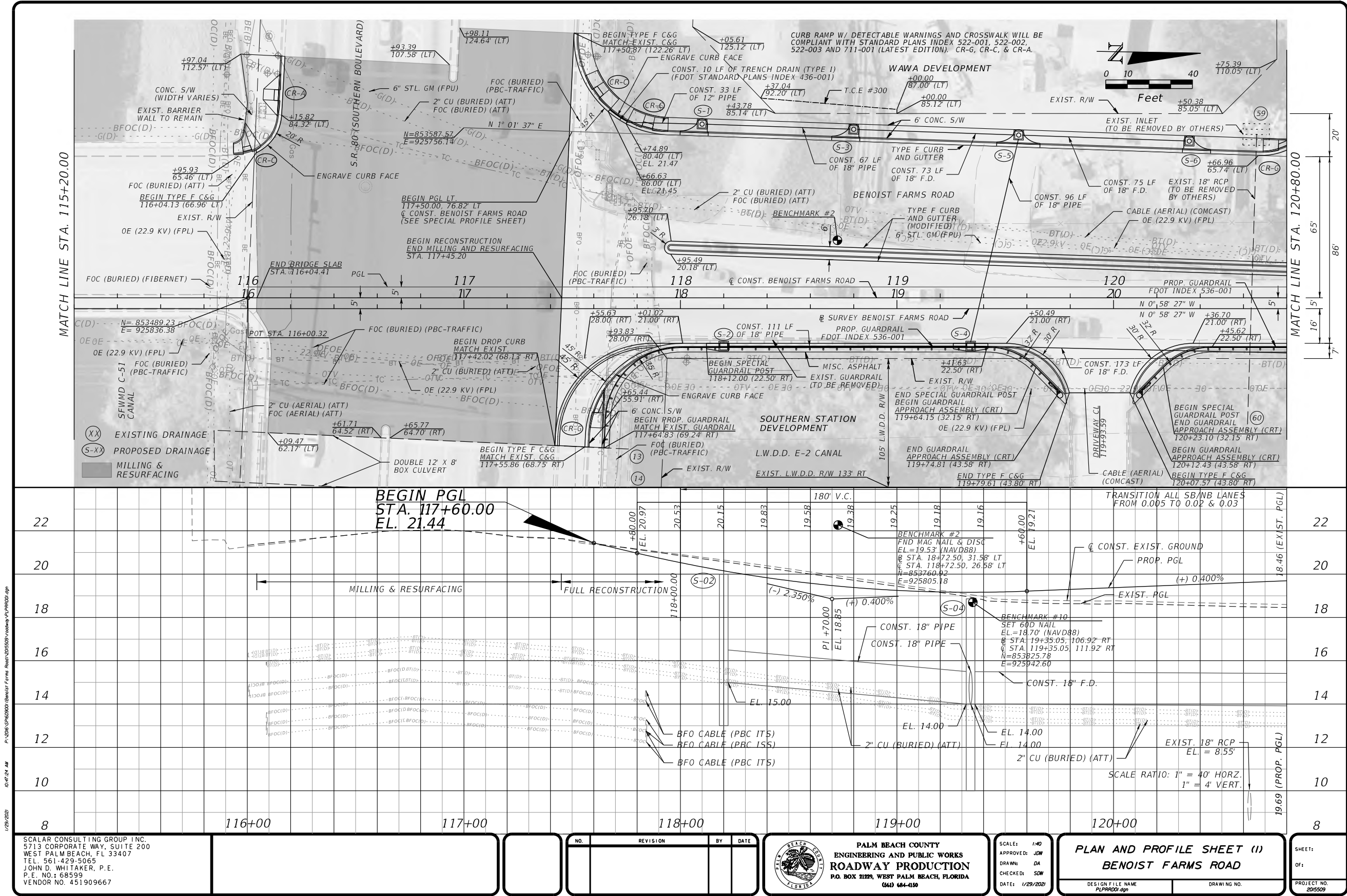


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APPROVED: JDW
DRAWN: DA
CHECKED: SDW
DATE: 1/29/2020

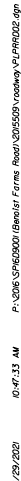
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DESIGN FILE NAME: PLANRD01.dgn
DRAWING NO.

SHEET:
OF:
PROJECT NO.
201509

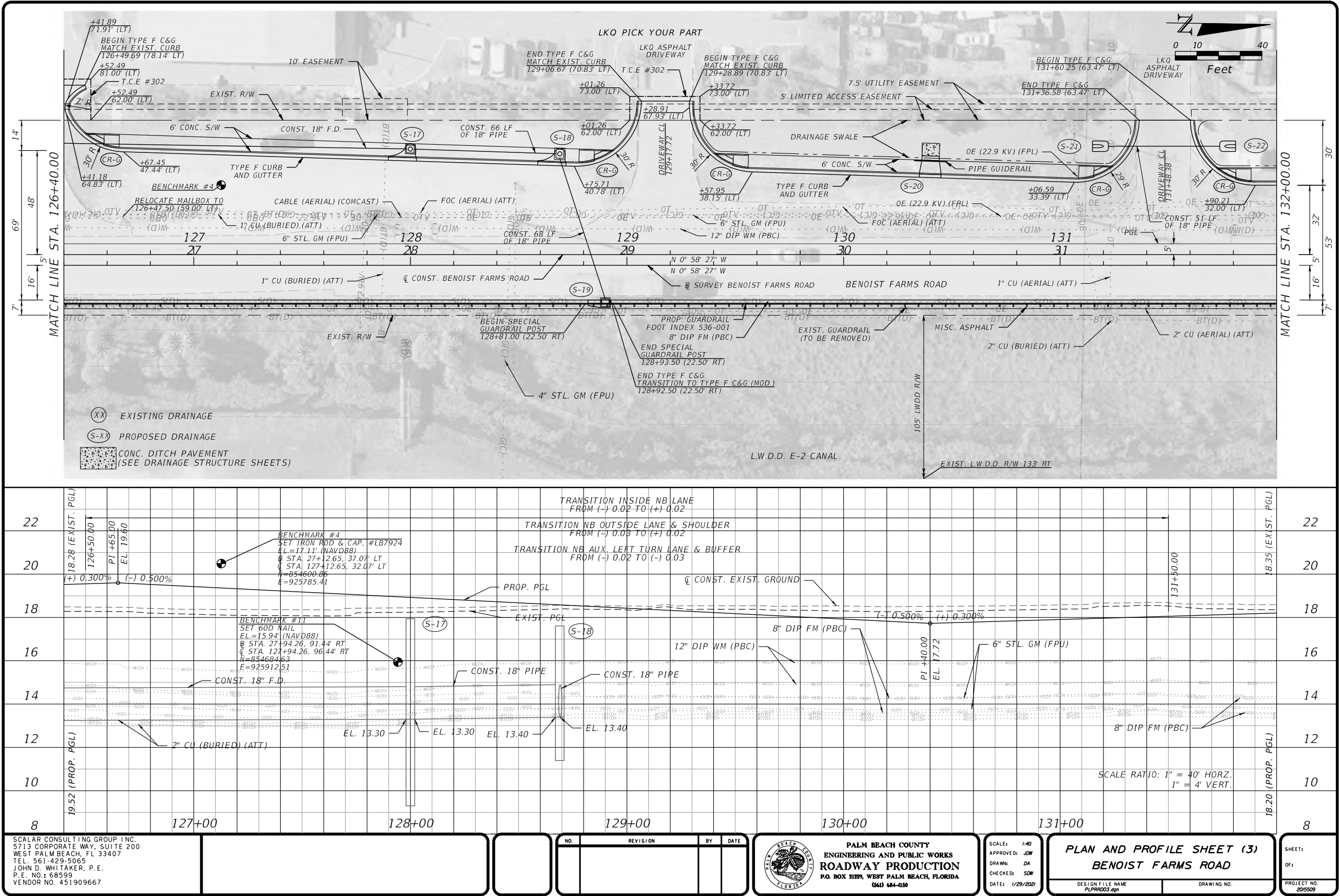
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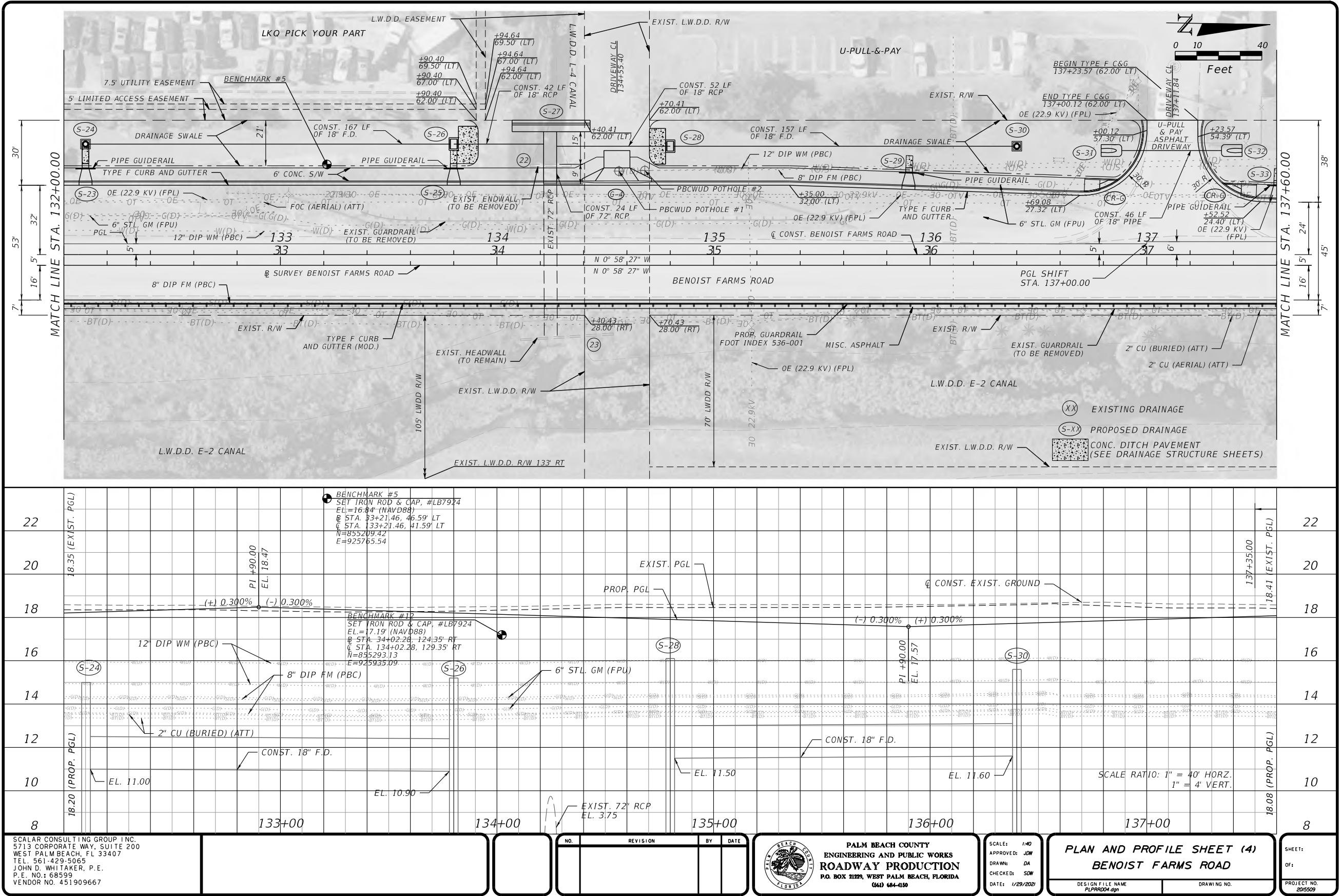
PER-51



PERMITS



PERMITS



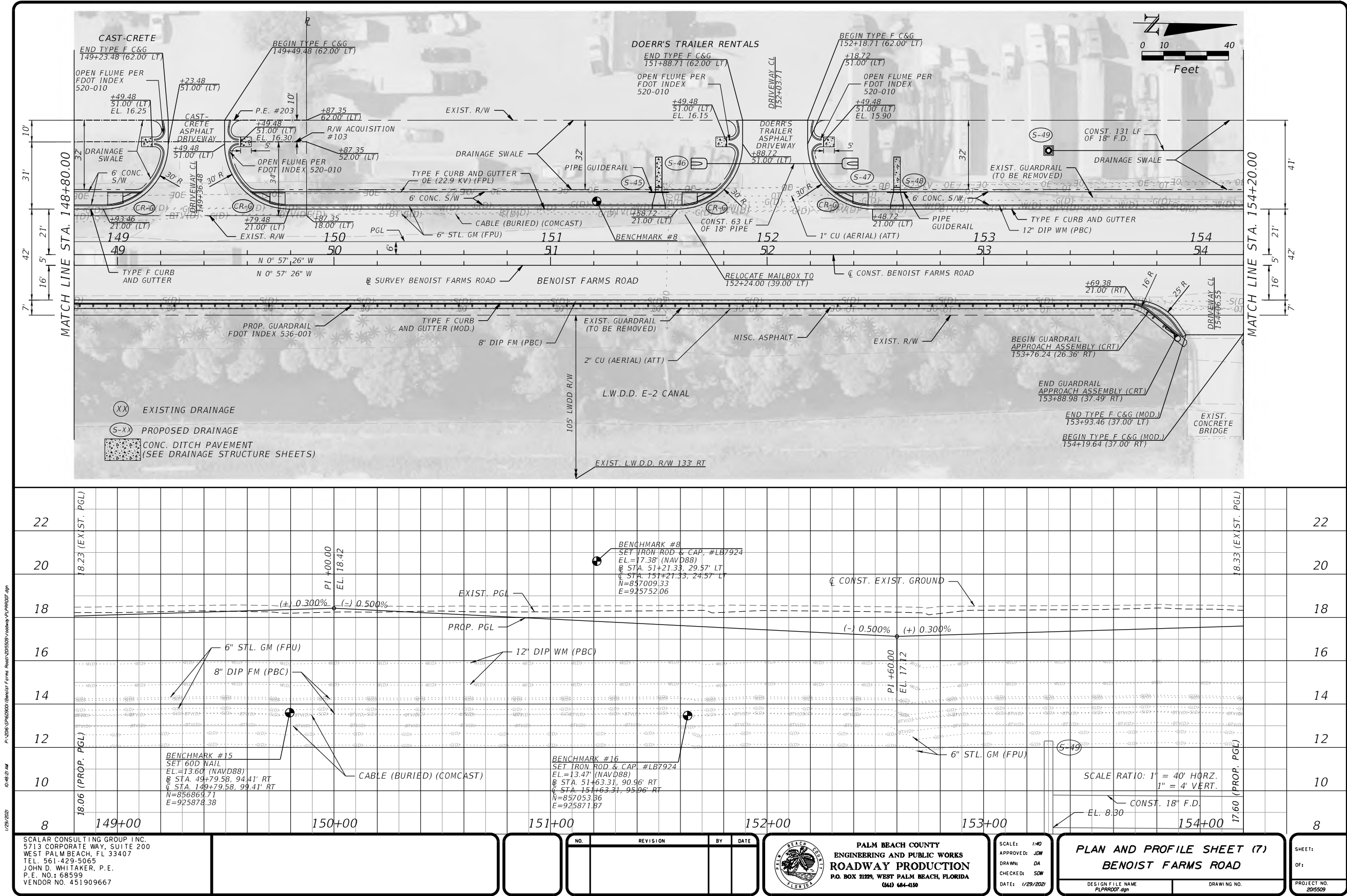
PER-54



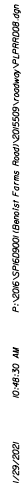
PER-55



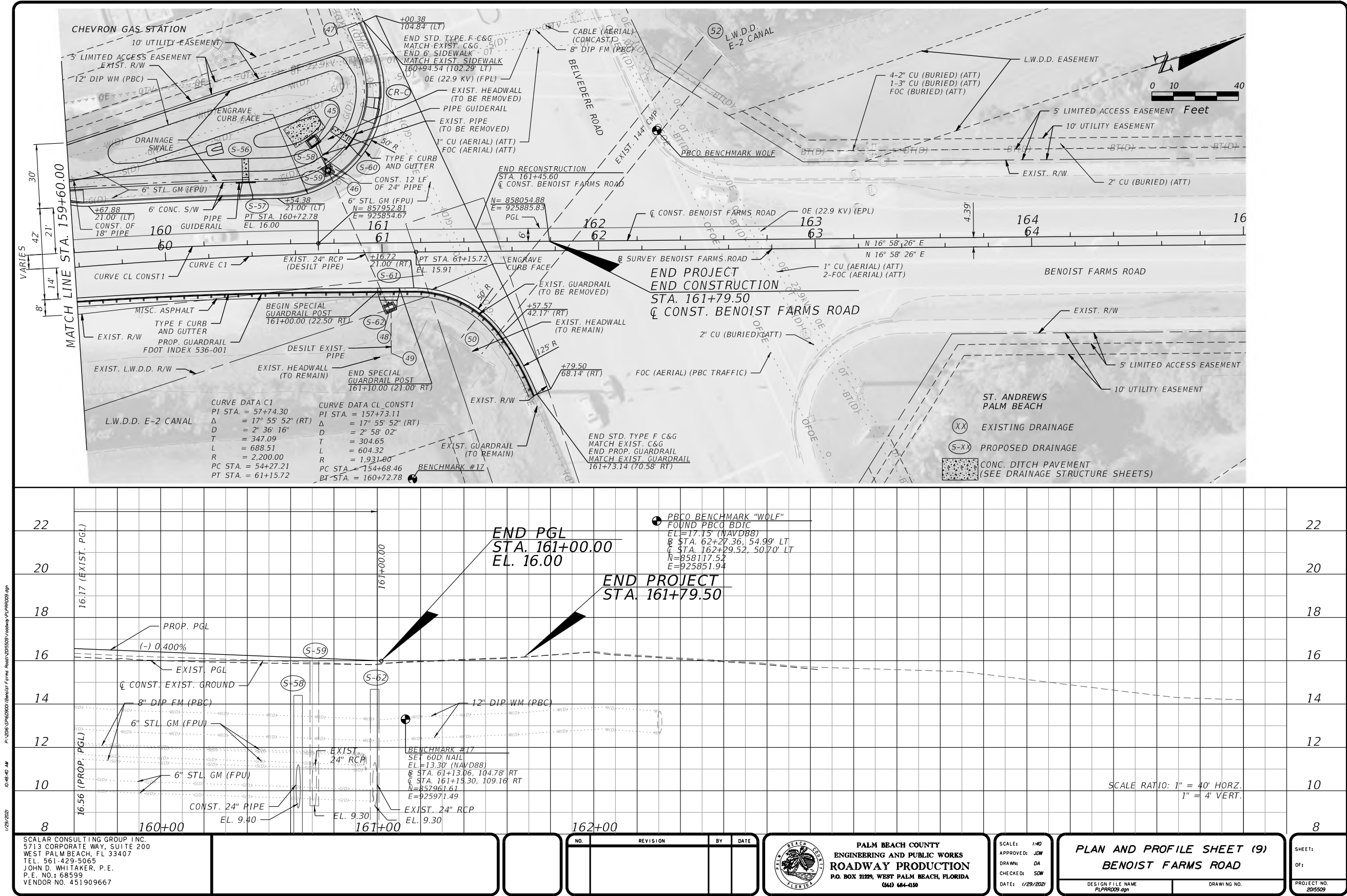
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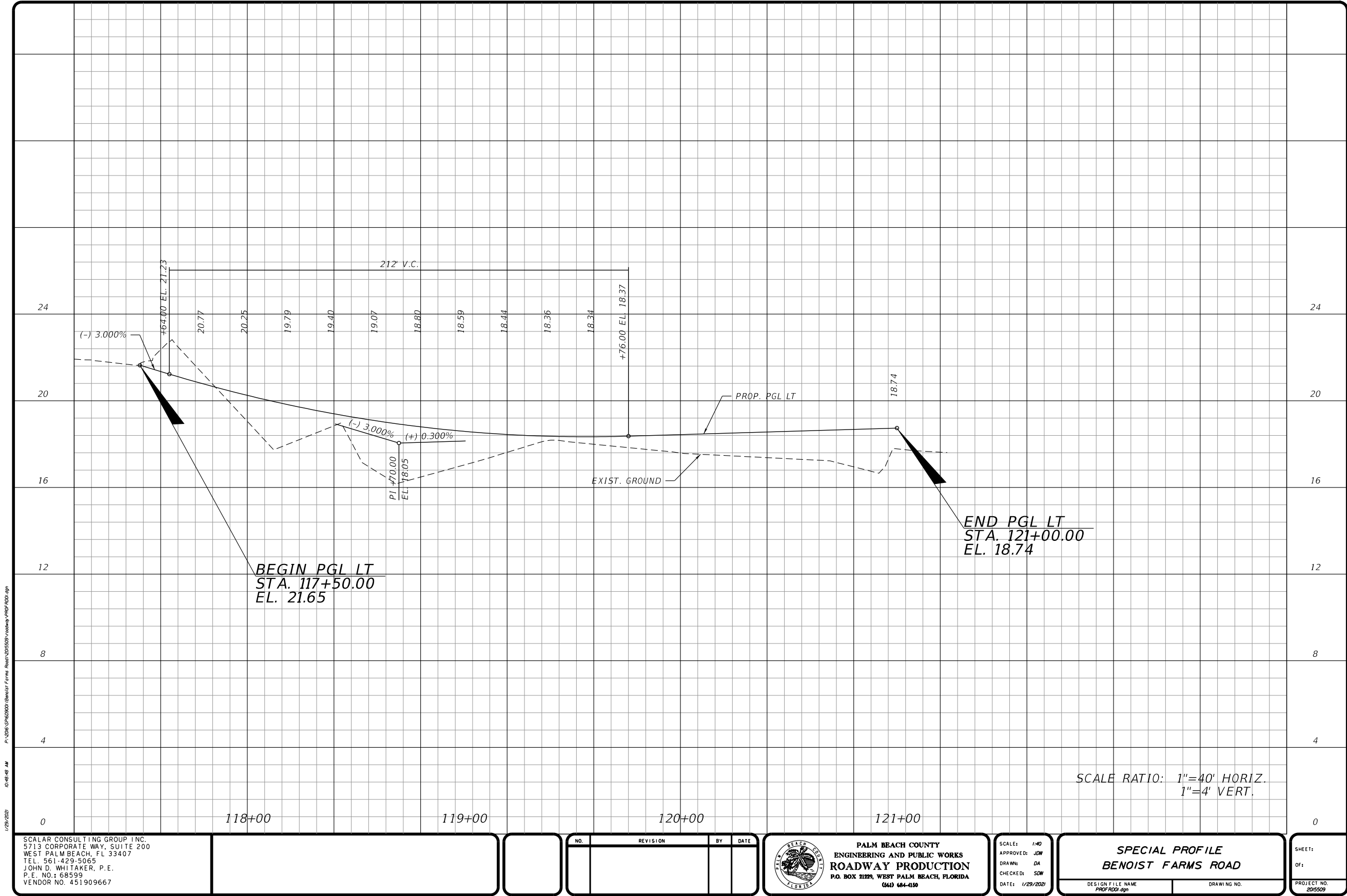
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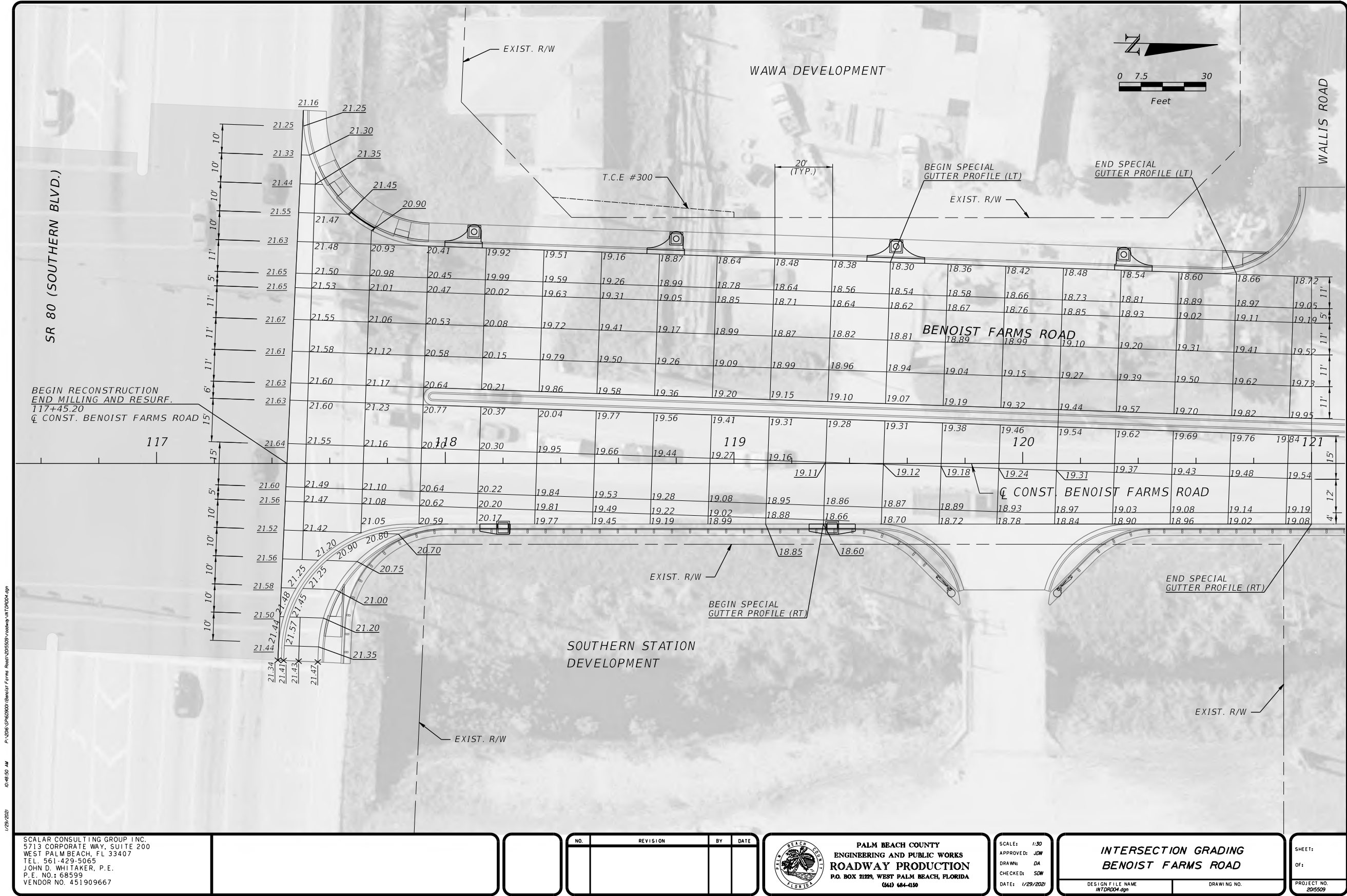
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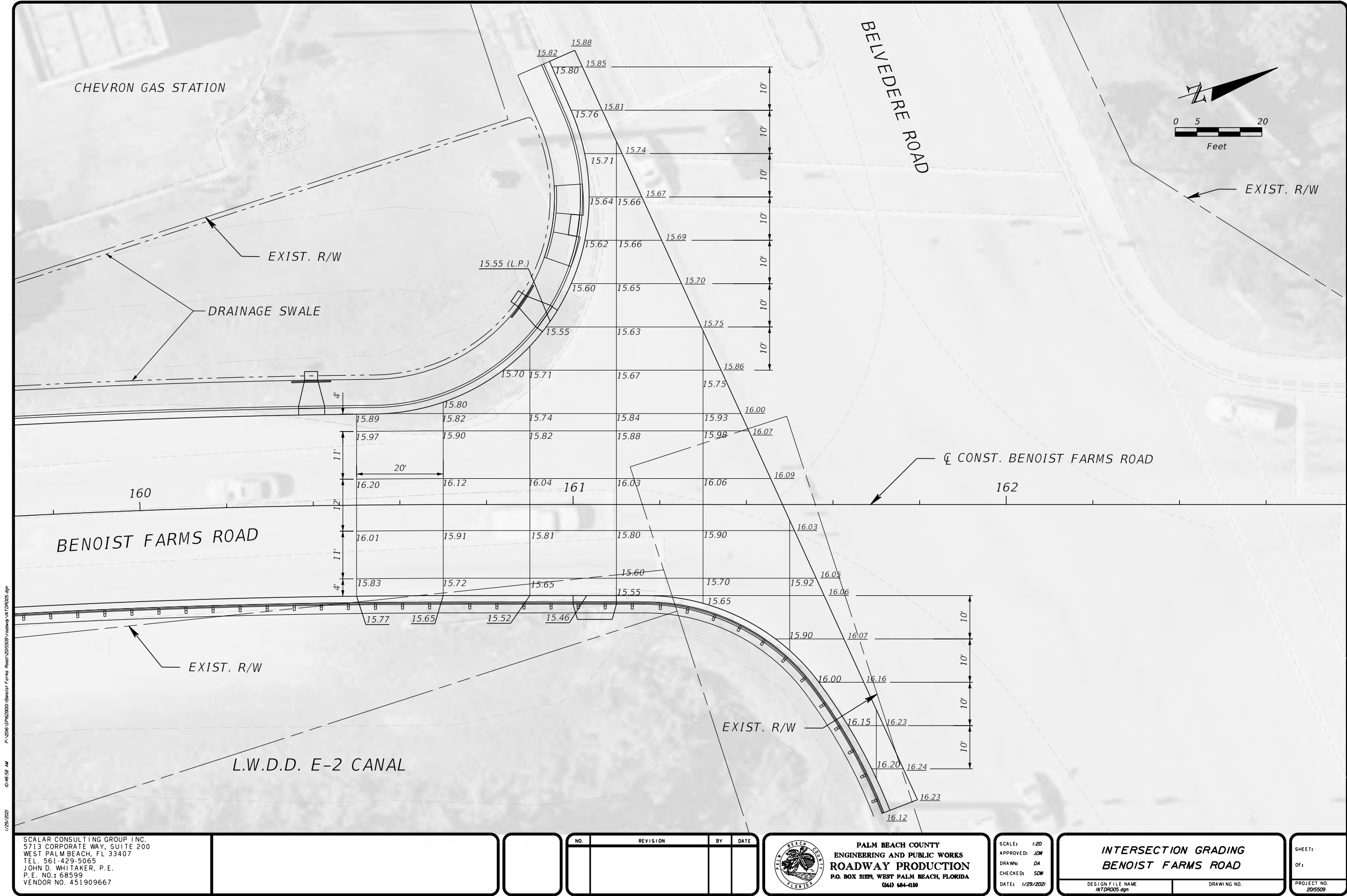
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PERMITS

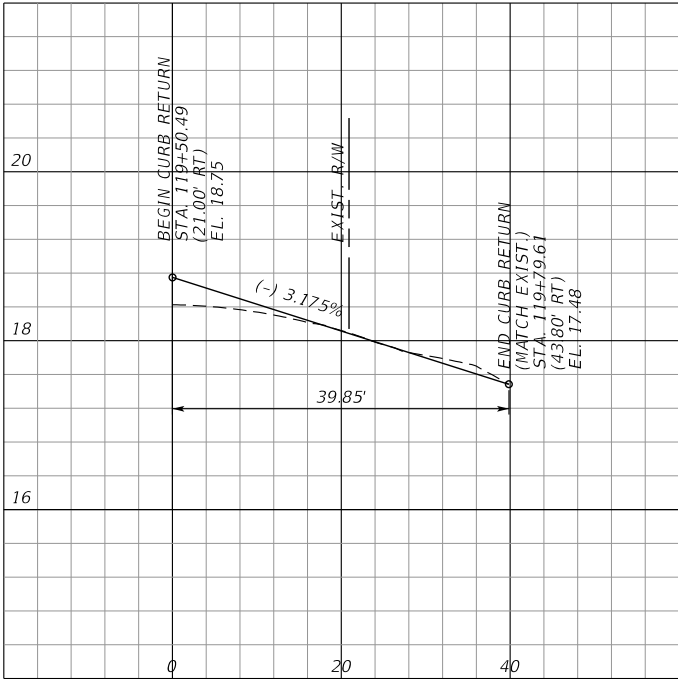


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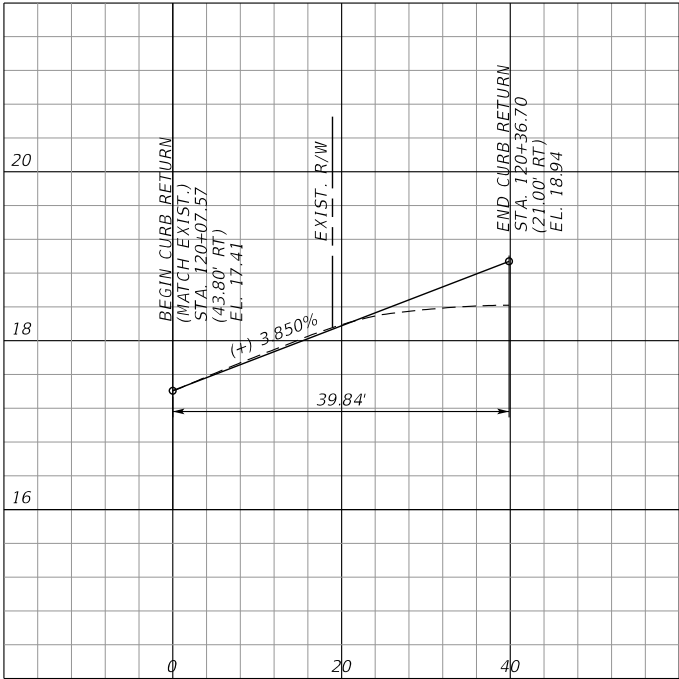


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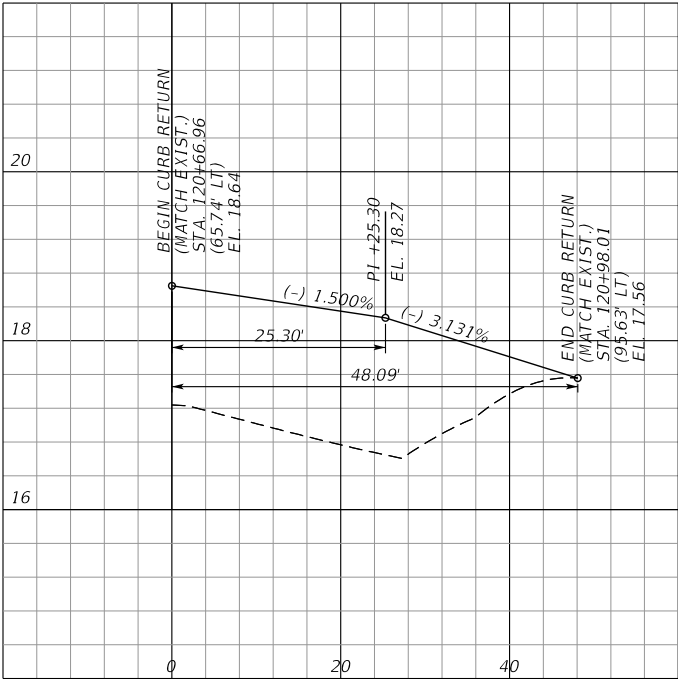
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SOUTH CURB RETURN



DRIVEWAY STA. 119+93.59
NORTH CURB RETURN



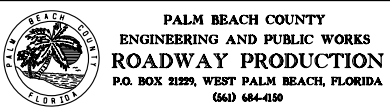
DRIVEWAY STA. 121+12.00
SOUTH CURB RETURN



SCALE: 1"=20' HORIZ.
1"=2' VERT.

SCALAR CONSULTING GROUP INC.
5713 CORPORATE WAY, SUITE 200
WEST PALM BEACH, FL 33407
TEL. 561-429-5065
JOHN D. WHITAKER, P.E.
P.E. NO.: 68599
VENDOR NO. 451909667

NO.	REVISION	BY	DATE



SCALE: 1/20
APPROVED: JDN
DRAWN: DA
CHECKED: SDW
DATE: 1/29/2021

CURB RETURN PROFILES (II)
BENOIST FARMS ROAD

DESIGN FILE NAME
INTPRD01.DGN

DRAWING NO.

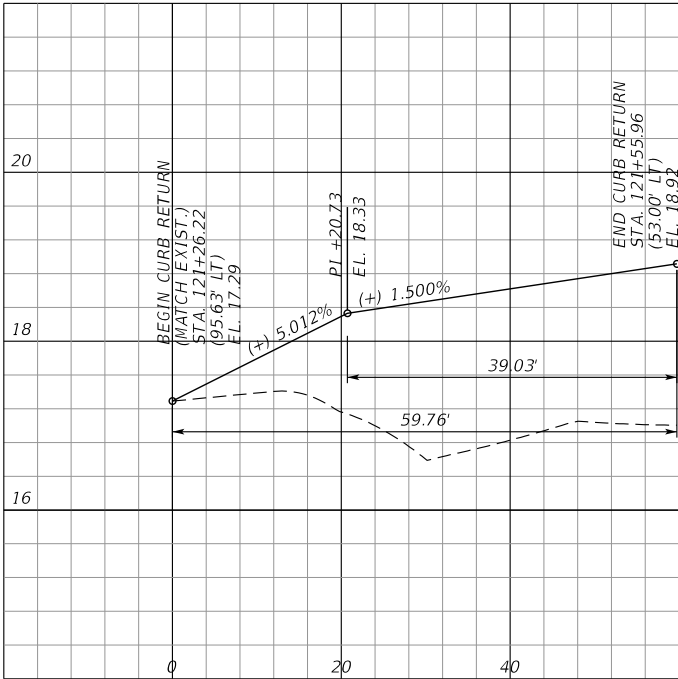
SHEET:

OF:

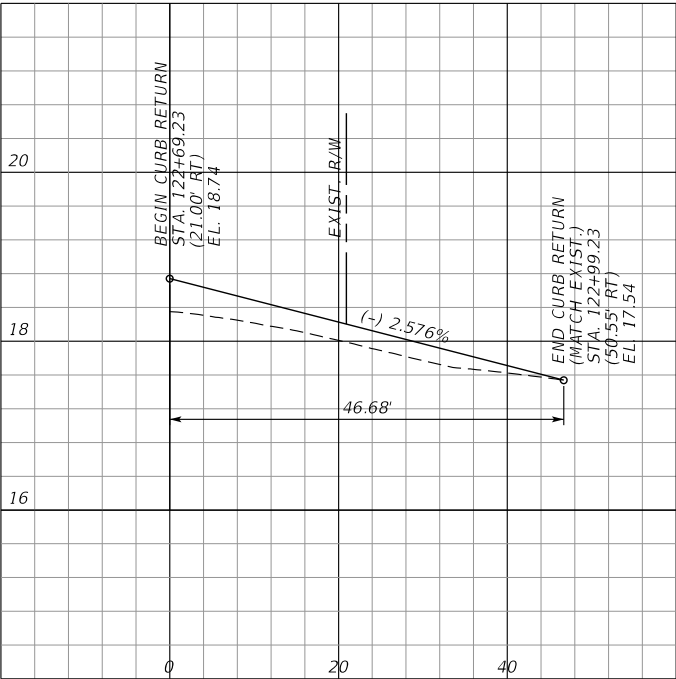
PROJECT NO.
2005509

PERMITS

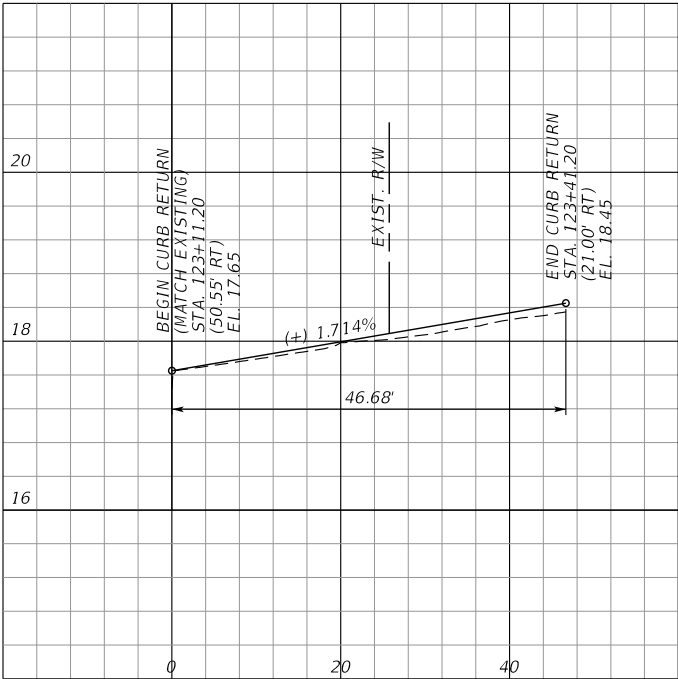
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NORTH CURB RETURN



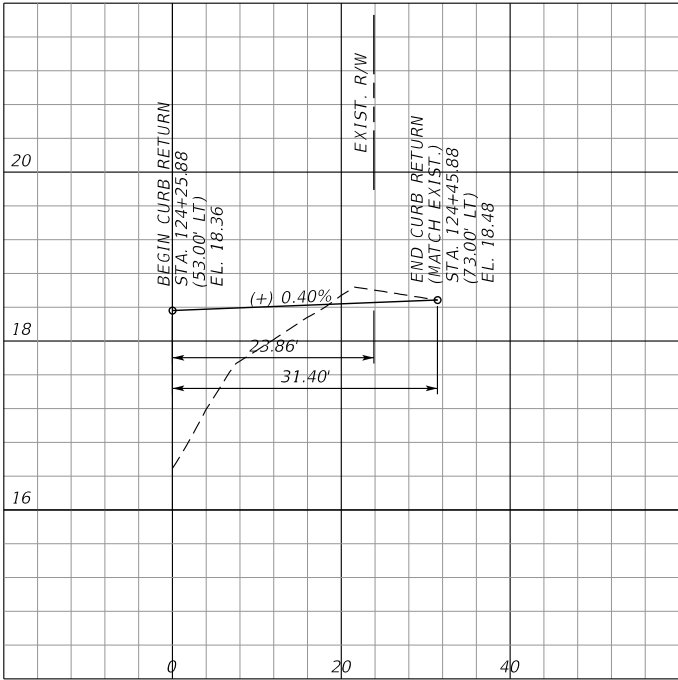
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SOUTH CURB RETURN



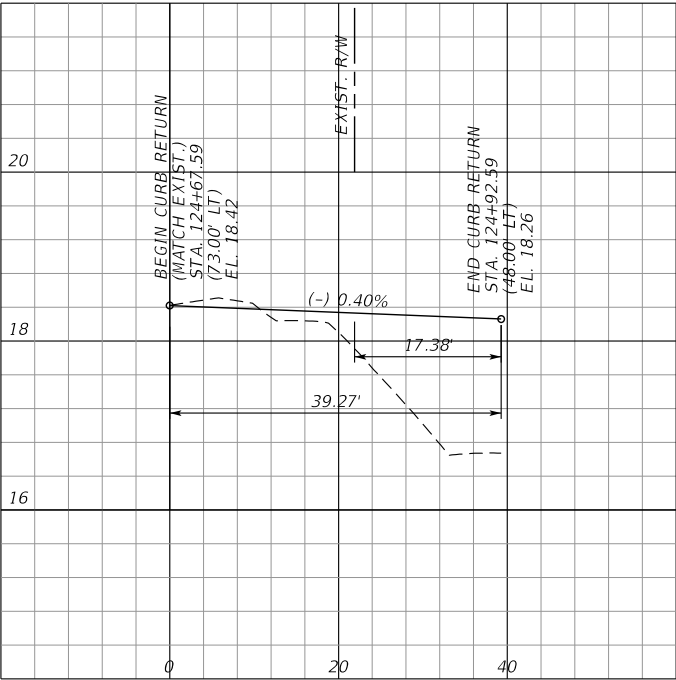
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NORTH CURB RETURN



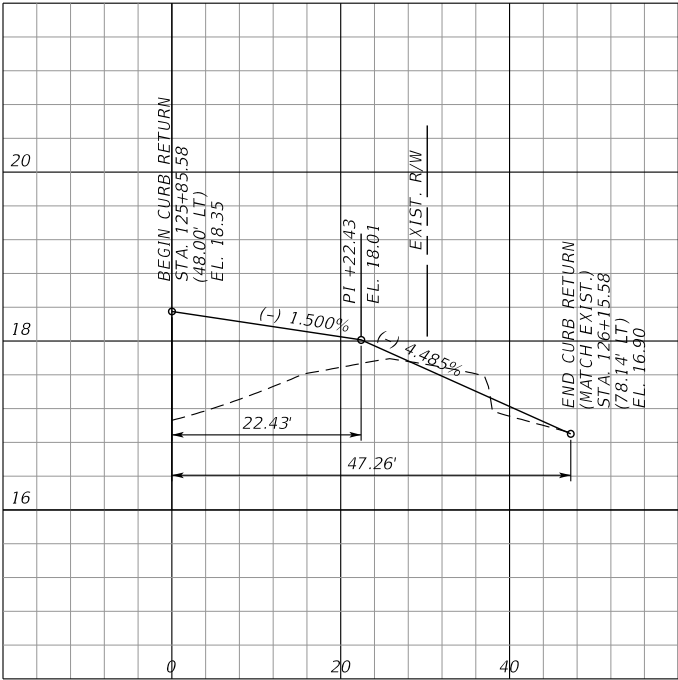
DRIVEWAY STA. 124+56.80
SOUTH CURB RETURN



DRIVEWAY STA. 124+56.80
NORTH CURB RETURN



DRIVEWAY STA. 126+28.73
SOUTH CURB RETURN

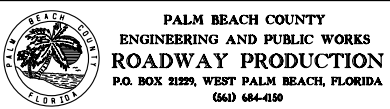


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1"=2' VERT.

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5713 CORPORATE WAY, SUITE 200
WEST PALM BEACH, FL 33407
TEL. 561-429-5065
JOHN D. WHITAKER, P.E.
P.E. NO.: 68599
VENDOR NO. 451909667

NO.	REVISION	BY	DATE



SCALE: 1/20
APPROVED: JDW
DRAWN: DA
CHECKED: SDW
DATE: 1/29/2021

CURB RETURN PROFILES (2)
BENOIST FARMS ROAD

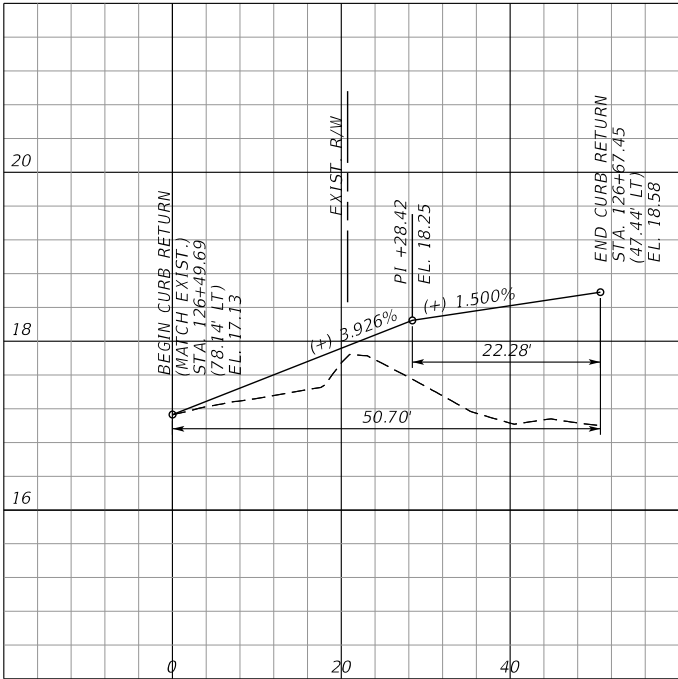
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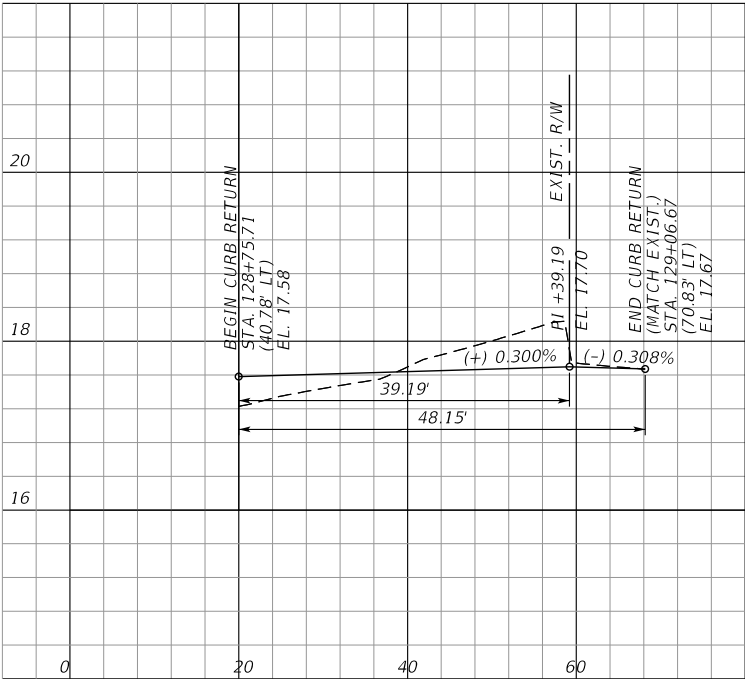
SHEET:
OF:
PROJECT NO.
201509

PERMITS

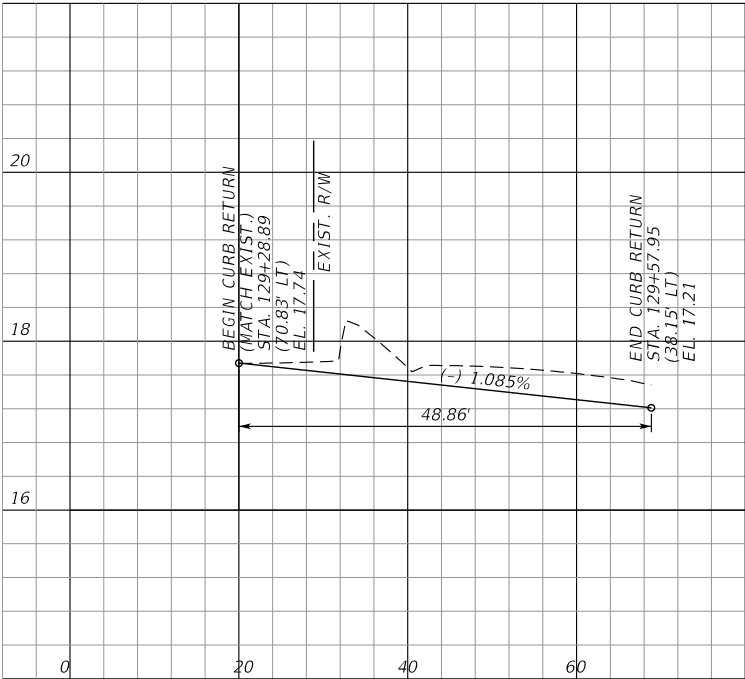
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NORTH CURB RETURN



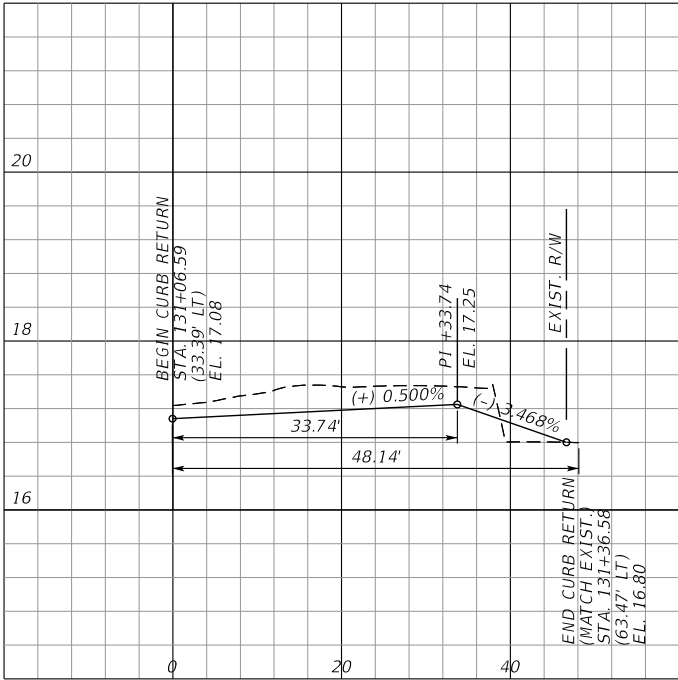
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SOUTH CURB RETURN



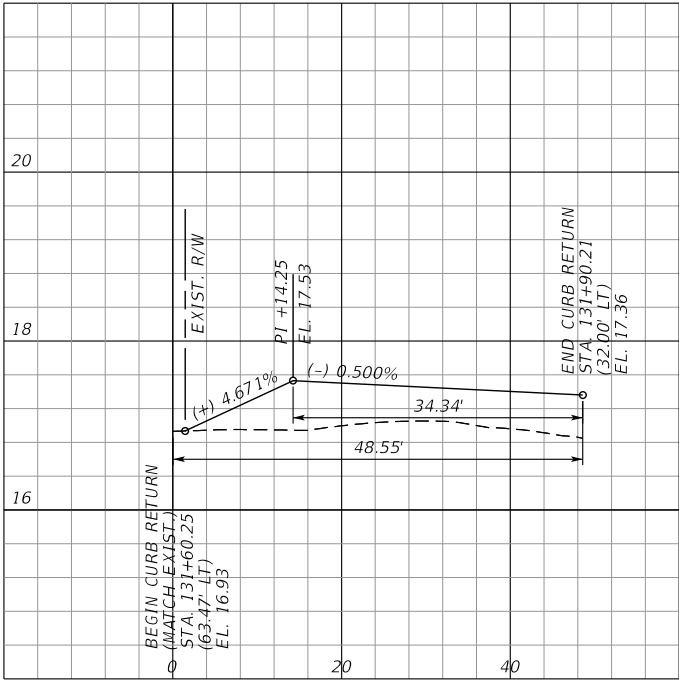
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NORTH CURB RETURN



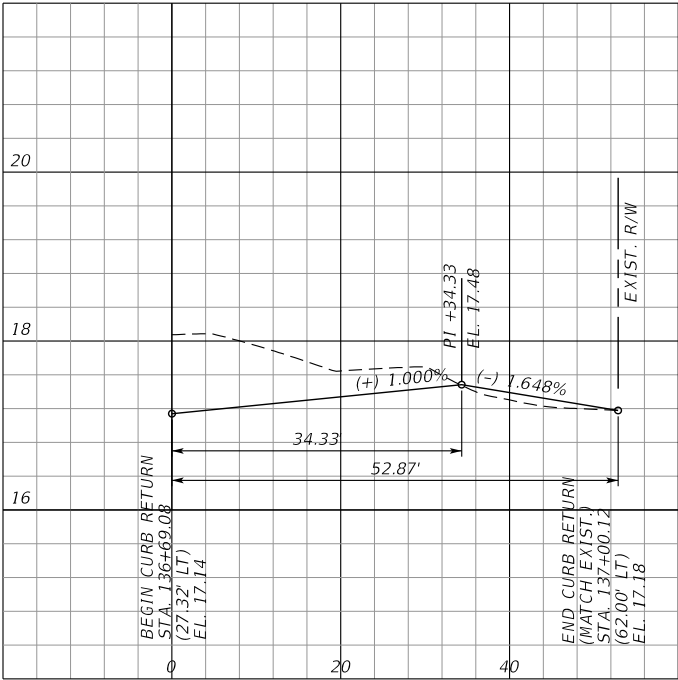
DRIVEWAY STA. 131+48.38
SOUTH CURB RETURN



DRIVEWAY STA. 131+48.38
NORTH CURB RETURN



DRIVEWAY STA. 137+11.84
SOUTH CURB RETURN

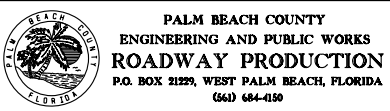


SCALE: 1"=20' HORIZ.
1"=2' VERT.

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5713 CORPORATE WAY, SUITE 200
WEST PALM BEACH, FL 33407
TEL. 561-429-5065
JOHN D. WHITAKER, P.E.
P.E. NO.: 68599
VENDOR NO. 451909667

NO.	REVISION	BY	DATE



SCALE: 1/20
APPROVED: JDW
DRAWN: DA
CHECKED: SDW
DATE: 1/29/2021

CURB RETURN PROFILES (3)
BENOIST FARMS ROAD

DESIGN FILE NAME
WTPROD.DGN

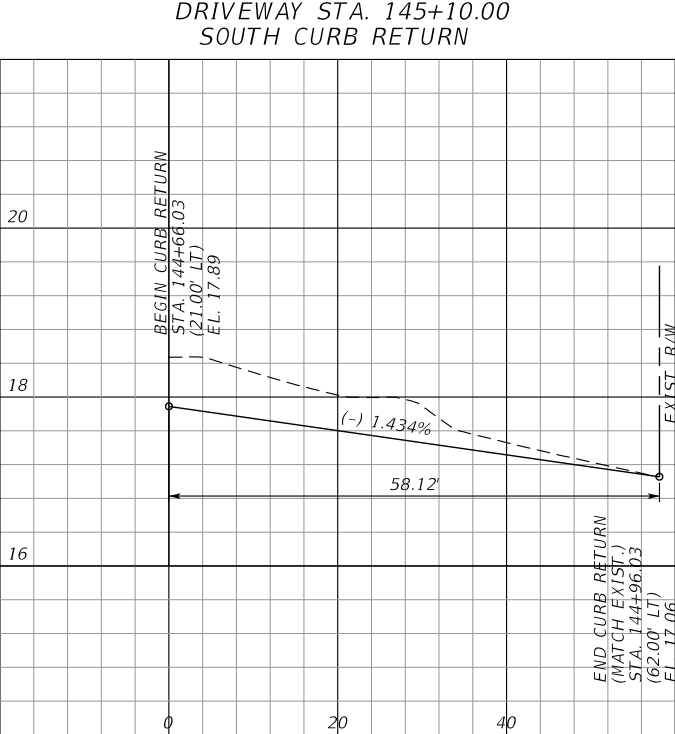
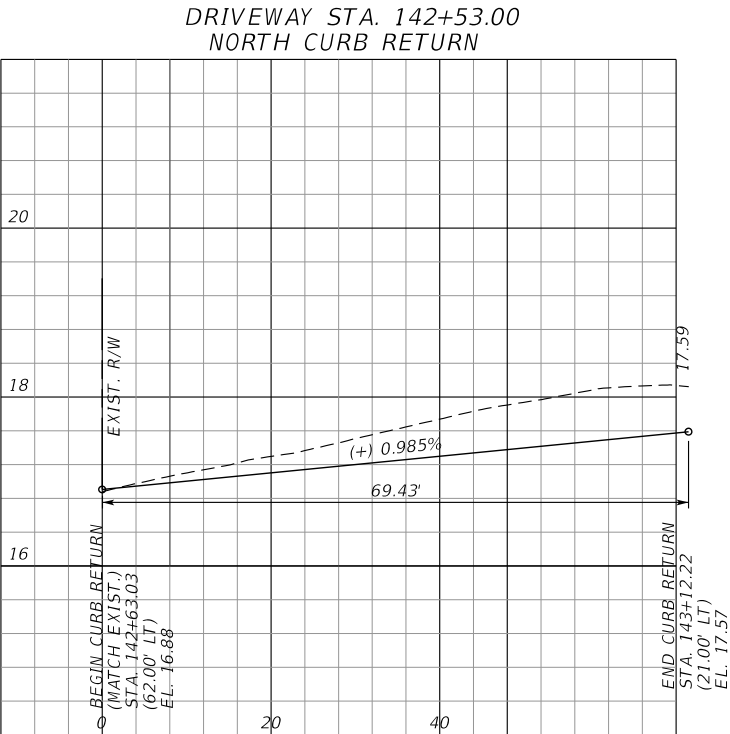
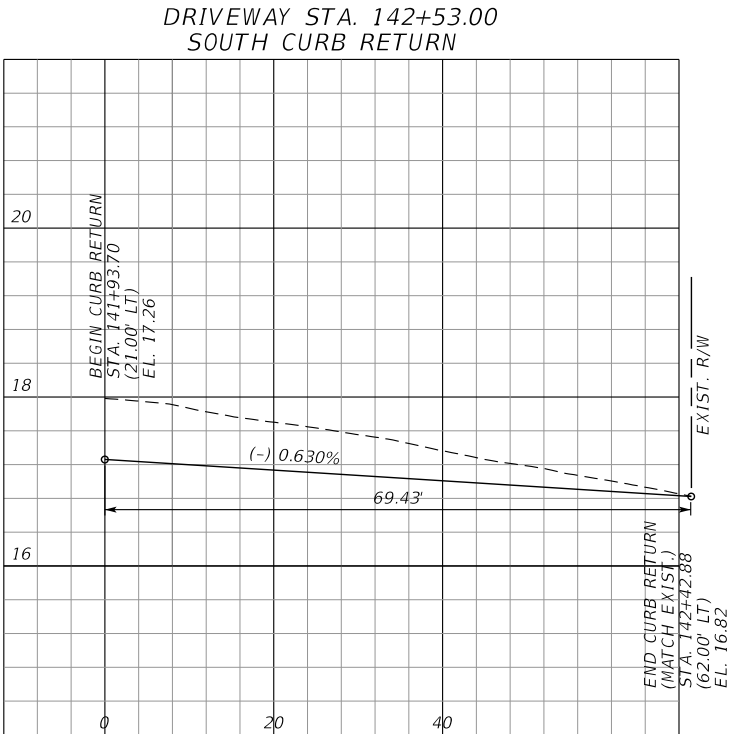
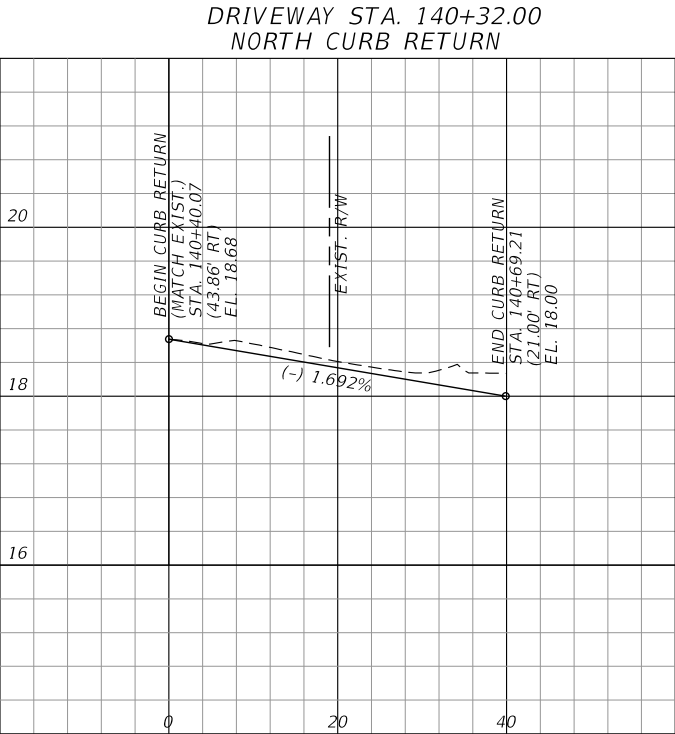
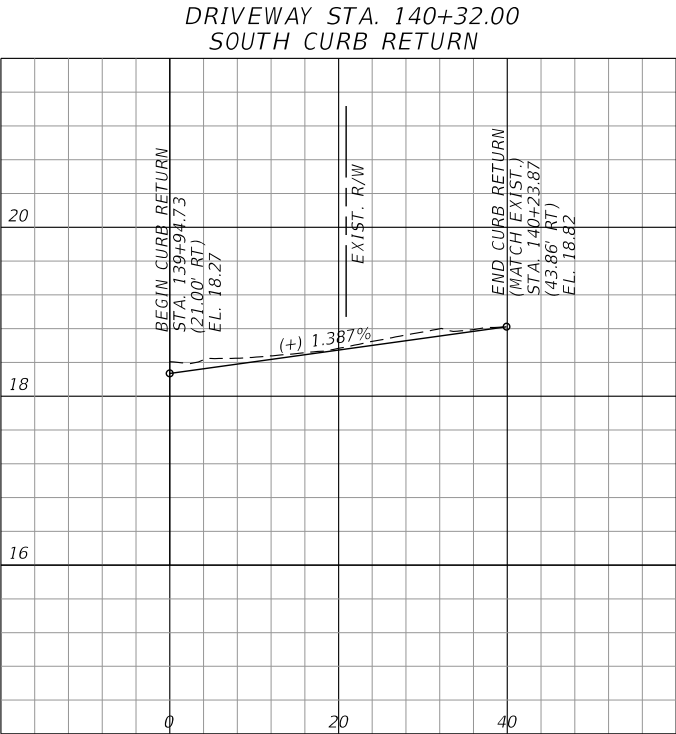
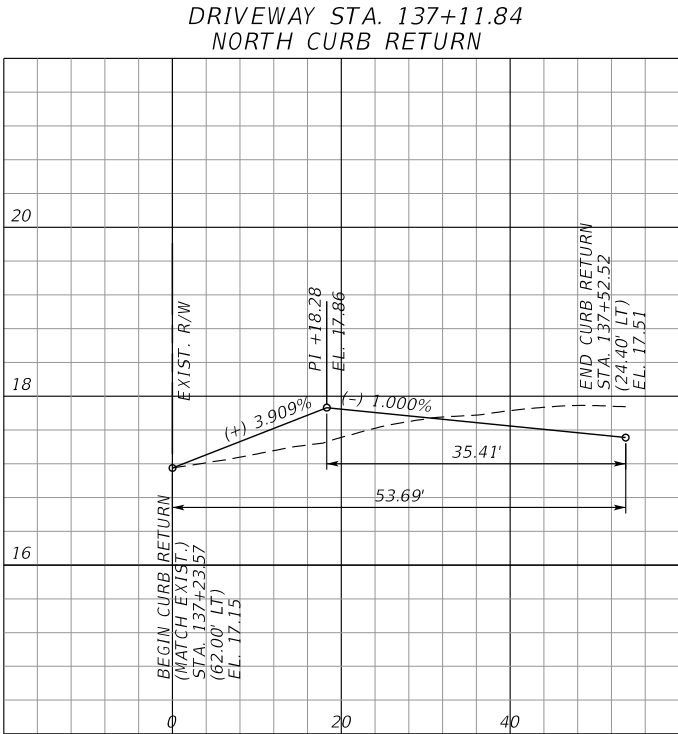
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SHEET:

OF:

PROJECT NO.
201509

PERMITS

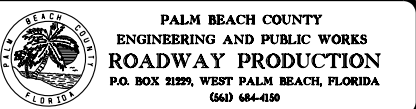


SCALE: 1"=20' HORIZ.
1"=2' VERT.

1/29/2020 10:49:07 AM P:\2016\CP60000\Benoist Farms Road\201509\roadway\WTPROD.DGN

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JOHN D. WHITAKER, P.E.
P.E. NO.: 68599
VENDOR NO. 451909667

NO.	REVISION	BY	DATE



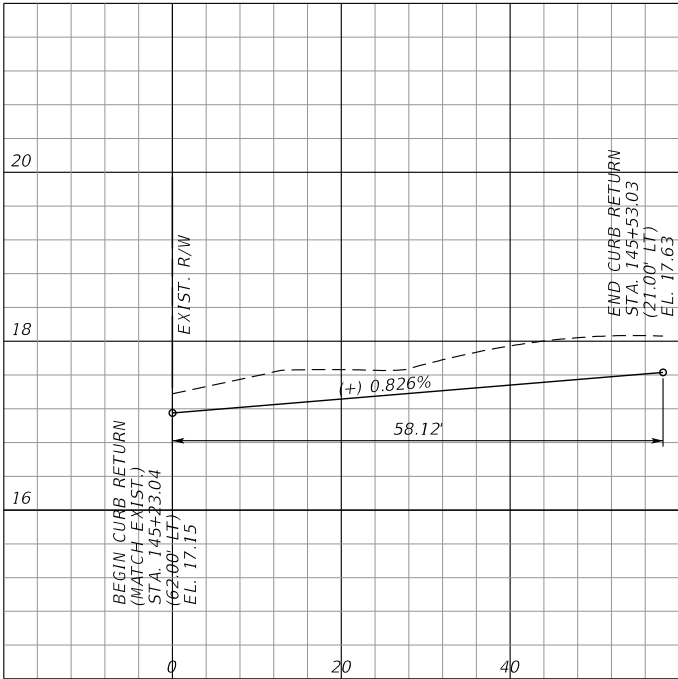
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APPROVED: JDW
DRAWN: DA
CHECKED: SDW
DATE: 1/29/2020

CURB RETURN PROFILES (4)
BENOIST FARMS ROAD
DESIGN FILE NAME
WTPROD.DGN
DRAWING NO.

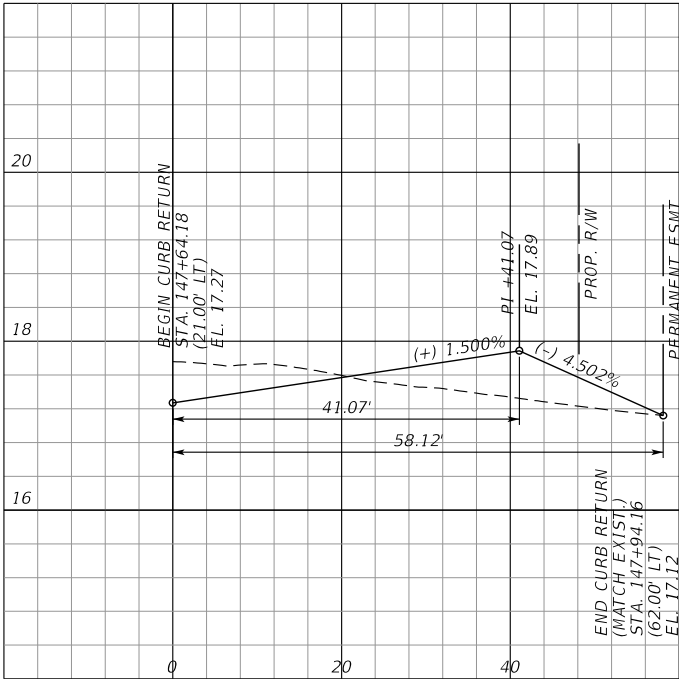
SHEET:
OF:
PROJECT NO.
201509

PERMITS

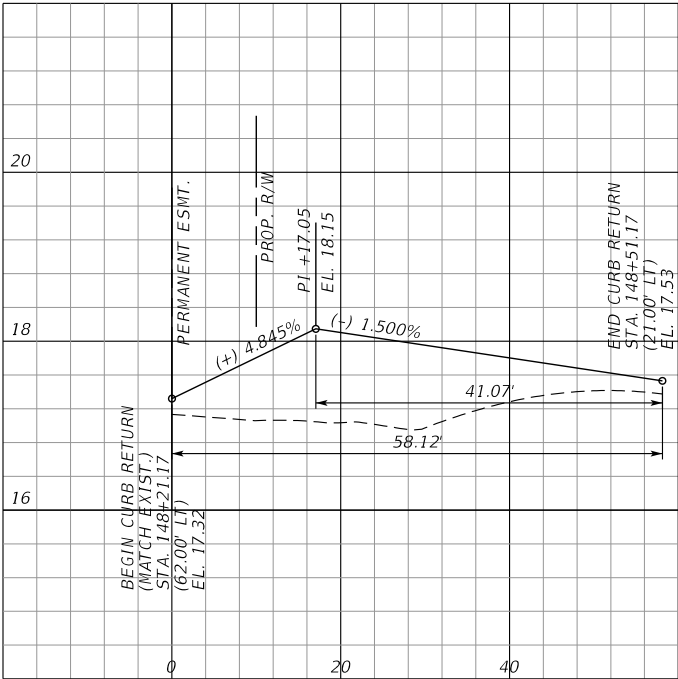
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NORTH CURB RETURN



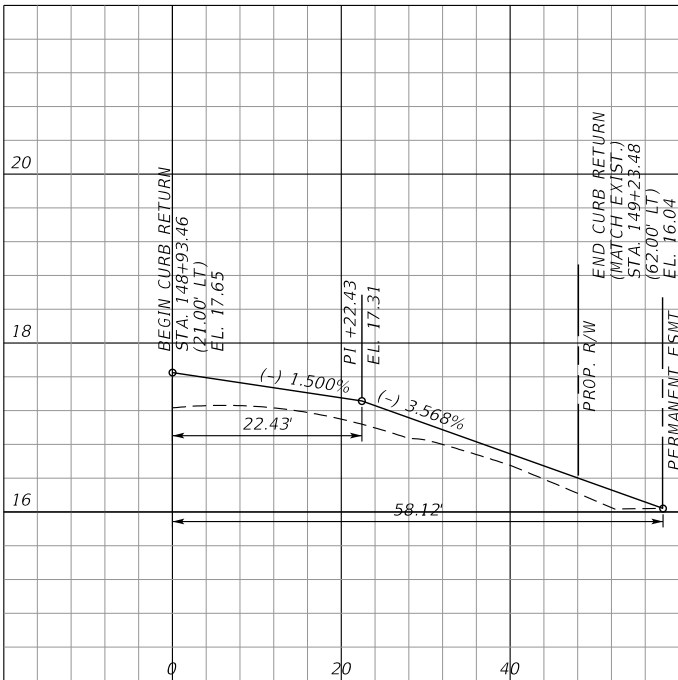
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SOUTH CURB RETURN



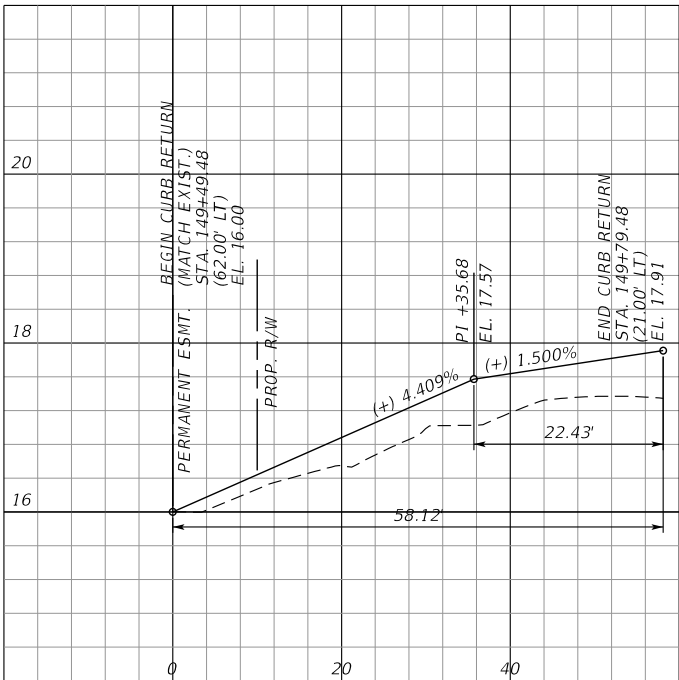
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NORTH CURB RETURN



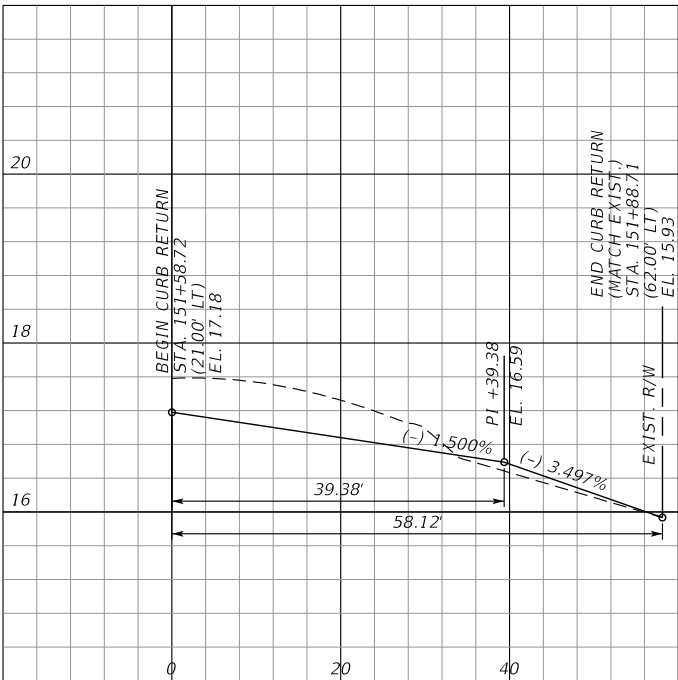
DRIVEWAY STA. 149+36.48
SOUTH CURB RETURN



DRIVEWAY STA. 149+36.48
NORTH CURB RETURN



DRIVEWAY STA. 152+03.71
SOUTH CURB RETURN

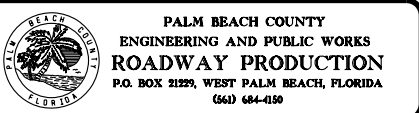


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JOHN D. WHITAKER, P.E.
P.E. NO.: 68599
VENDOR NO. 451909667

NO.	REVISION	BY	DATE



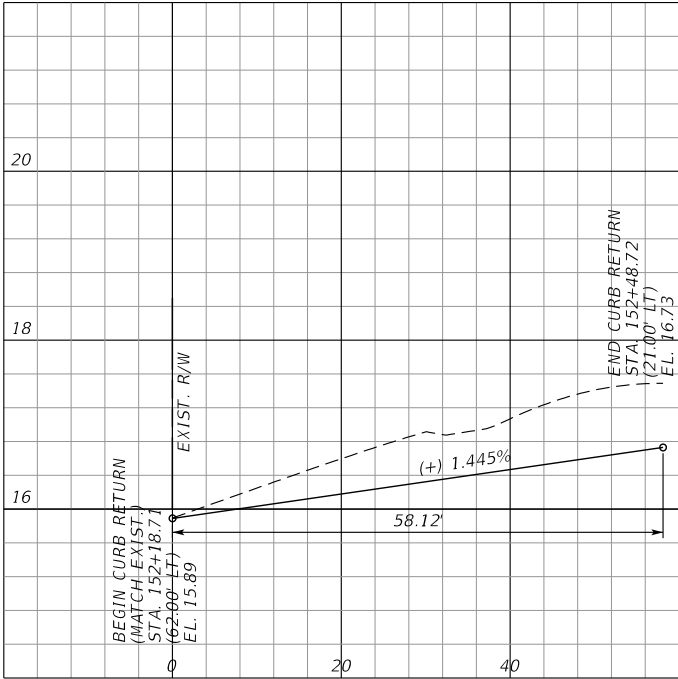
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APPROVED: JDW
DRAWN: DA
CHECKED: SDW
DATE: 1/29/2021

CURB RETURN PROFILES (5) BENOIST FARMS ROAD	
DESIGN FILE NAME WTPROD.DGN	DRAWING NO.

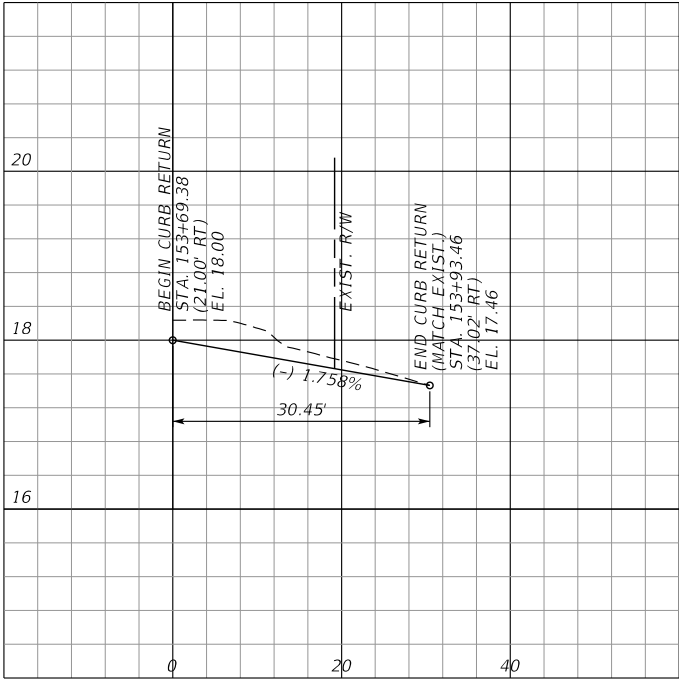
SHEET:
OF:
PROJECT NO. 2015509

PERMITS

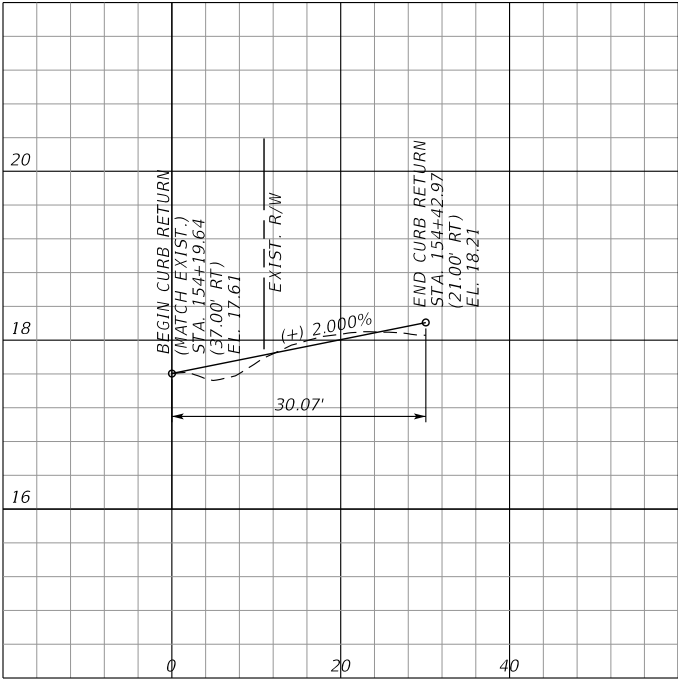
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NORTH CURB RETURN



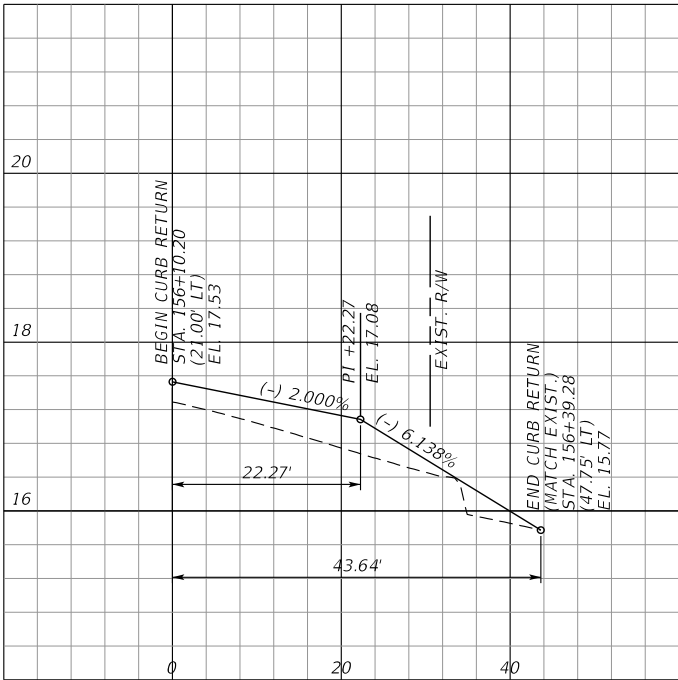
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SOUTH CURB RETURN



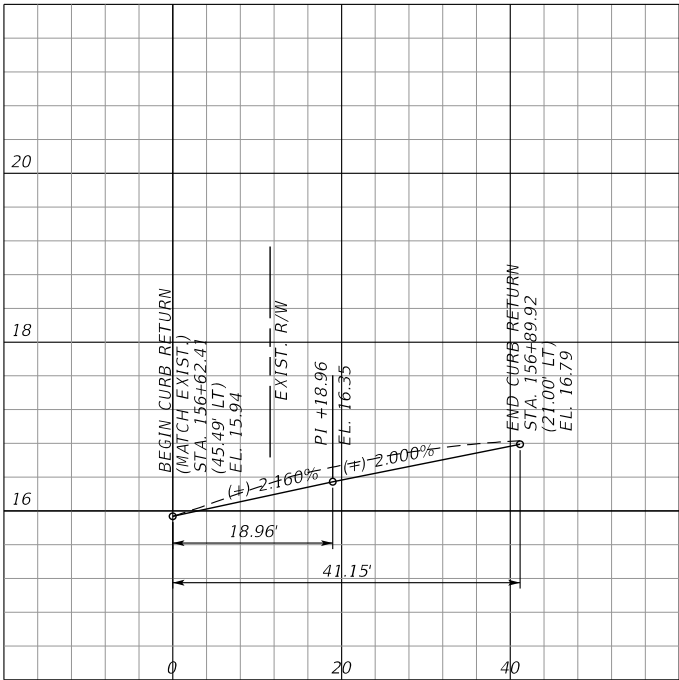
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NORTH CURB RETURN



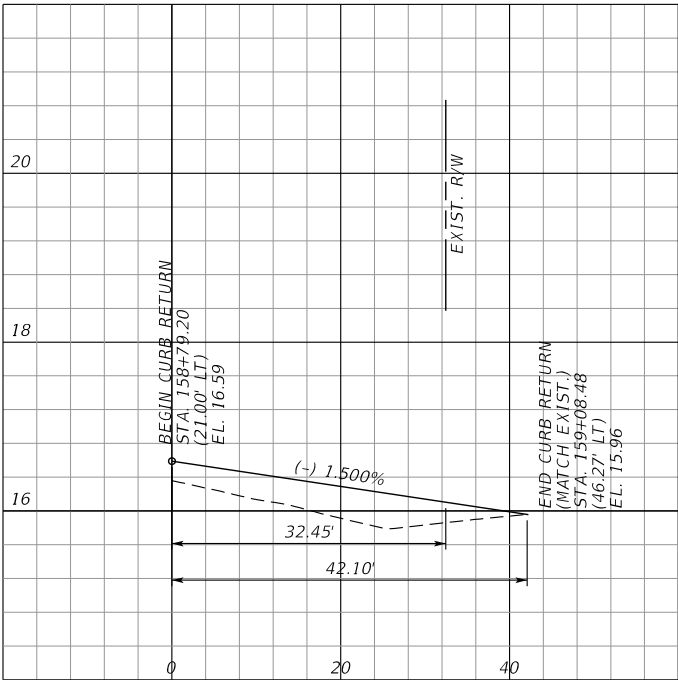
DRIVEWAY STA. 156+49.85
SOUTH CURB RETURN



DRIVEWAY STA. 156+49.85
NORTH CURB RETURN



DRIVEWAY STA. 159+24.00
SOUTH CURB RETURN



SCALE: 1"=20' HORIZ.
1"=2' VERT.

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SCALAR CONSULTING GROUP INC.
5713 CORPORATE WAY, SUITE 200
WEST PALM BEACH, FL 33407
TEL. 561-429-5065
JOHN D. WHITAKER, P.E.
P.E. NO.: 68599
VENDOR NO. 451909667

NO.	REVISION	BY	DATE



SCALE: 1/20
APPROVED: JOW
DRAWN: DA
CHECKED: SDW
DATE: 1/29/2021

CURB RETURN PROFILES (6)
BENOIST FARMS ROAD

DESIGN FILE NAME
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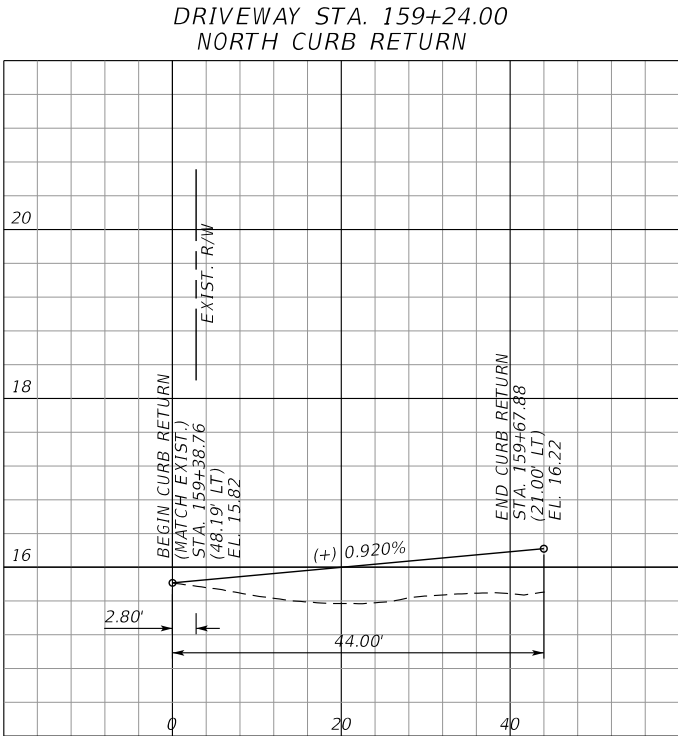
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SHEET:

OF:

PROJECT NO.
2015509

PERMITS



SCALE: 1"=20' HORIZ.
1"=2' VERT.

1/29/2021 10:49:08 AM P:\2016\CP60000\Benoist Farms Road\205509\ roadway\INTPROD.DGN

SCALAR CONSULTING GROUP INC.
5713 CORPORATE WAY, SUITE 200
WEST PALM BEACH, FL 33407
TEL. 561-429-5065
JOHN D. WHITAKER, P.E.
P.E. NO.: 68599
VENDOR NO. 451909667

NO.	REVISION	BY	DATE



SCALE: 1/20
APPROVED: JDW
DRAWN: DA
CHECKED: SDW
DATE: 1/29/2021

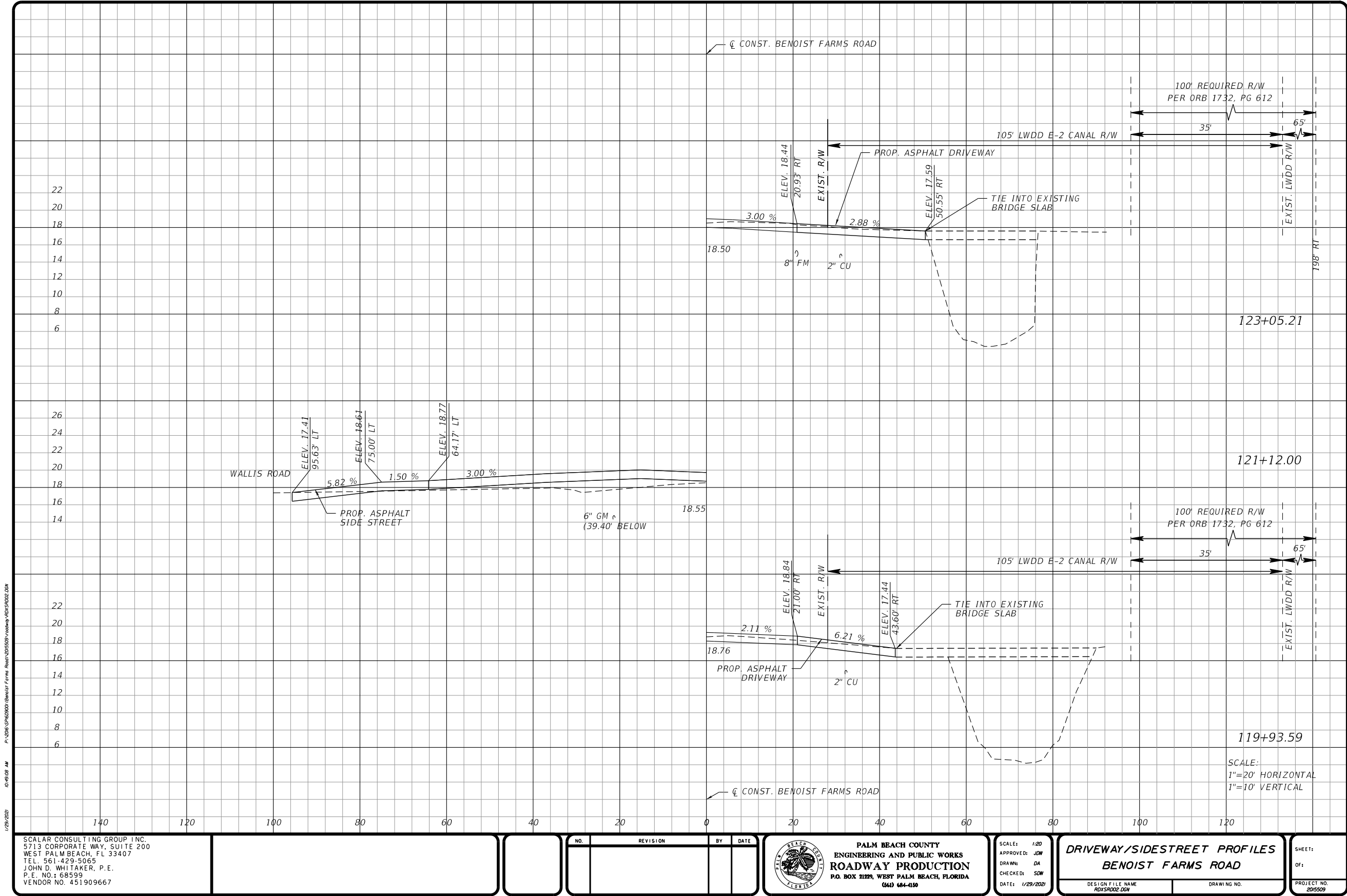
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BENOIST FARMS ROAD

DESIGN FILE NAME
INTPROD.DGN

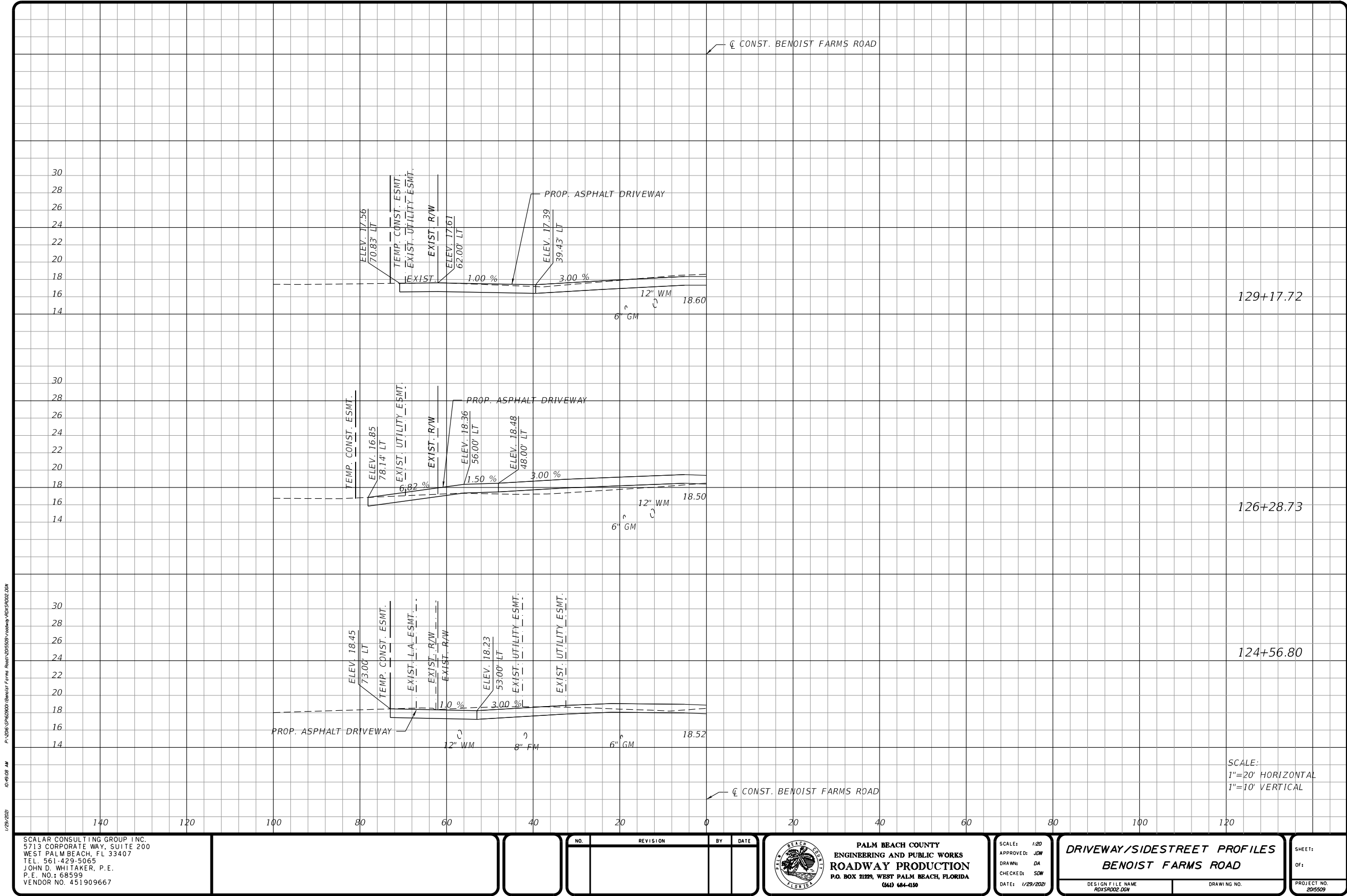
DRAWING NO.

SHEET:
OF:
PROJECT NO.
205509

PERMITS



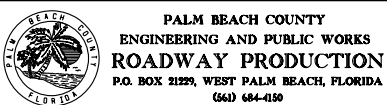
PERMITS



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SCALAR CONSULTING GROUP INC.
5713 CORPORATE WAY, SUITE 200
WEST PALM BEACH, FL 33407
TEL. 561-429-5065
JOHN D. WHITAKER, P.E.
P.E. NO.: 68599
VENDOR NO. 451909667

NO.	REVISION	BY	DATE

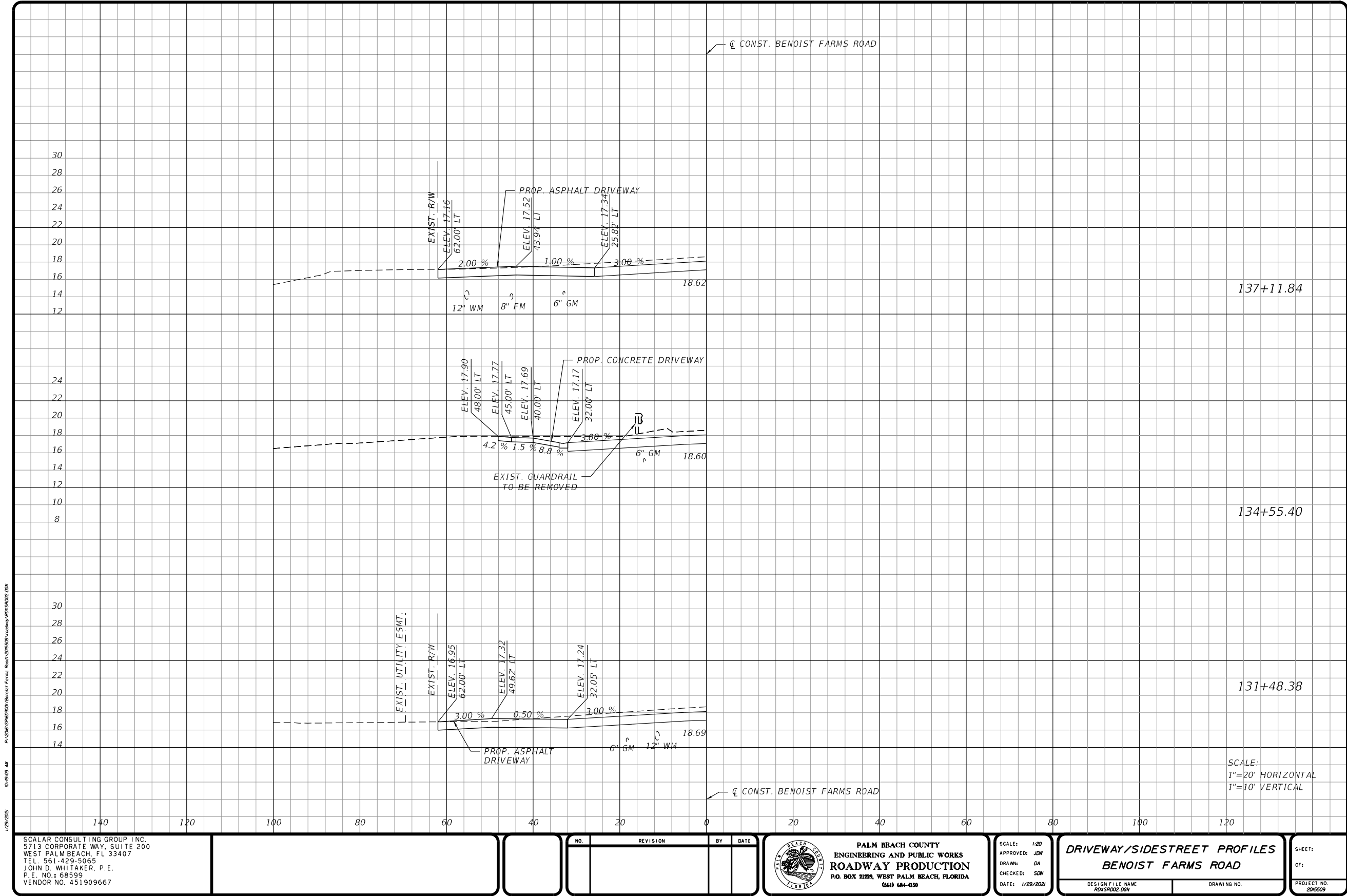


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APPROVED: JOW
DRAWN: DA
CHECKED: SDW
DATE: 1/29/2020

DRIVEWAY/SIDESTREET PROFILES
BENOIST FARMS ROAD
DESIGN FILE NAME: RD15RD02.DGN
DRAWING NO.

SHEET:
OF:
PROJECT NO.
201509

PERMITS



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JOHN D. WHITAKER, P.E.
P.E. NO.: 68599
VENDOR NO. 451909667

NO.	REVISION	BY	DATE

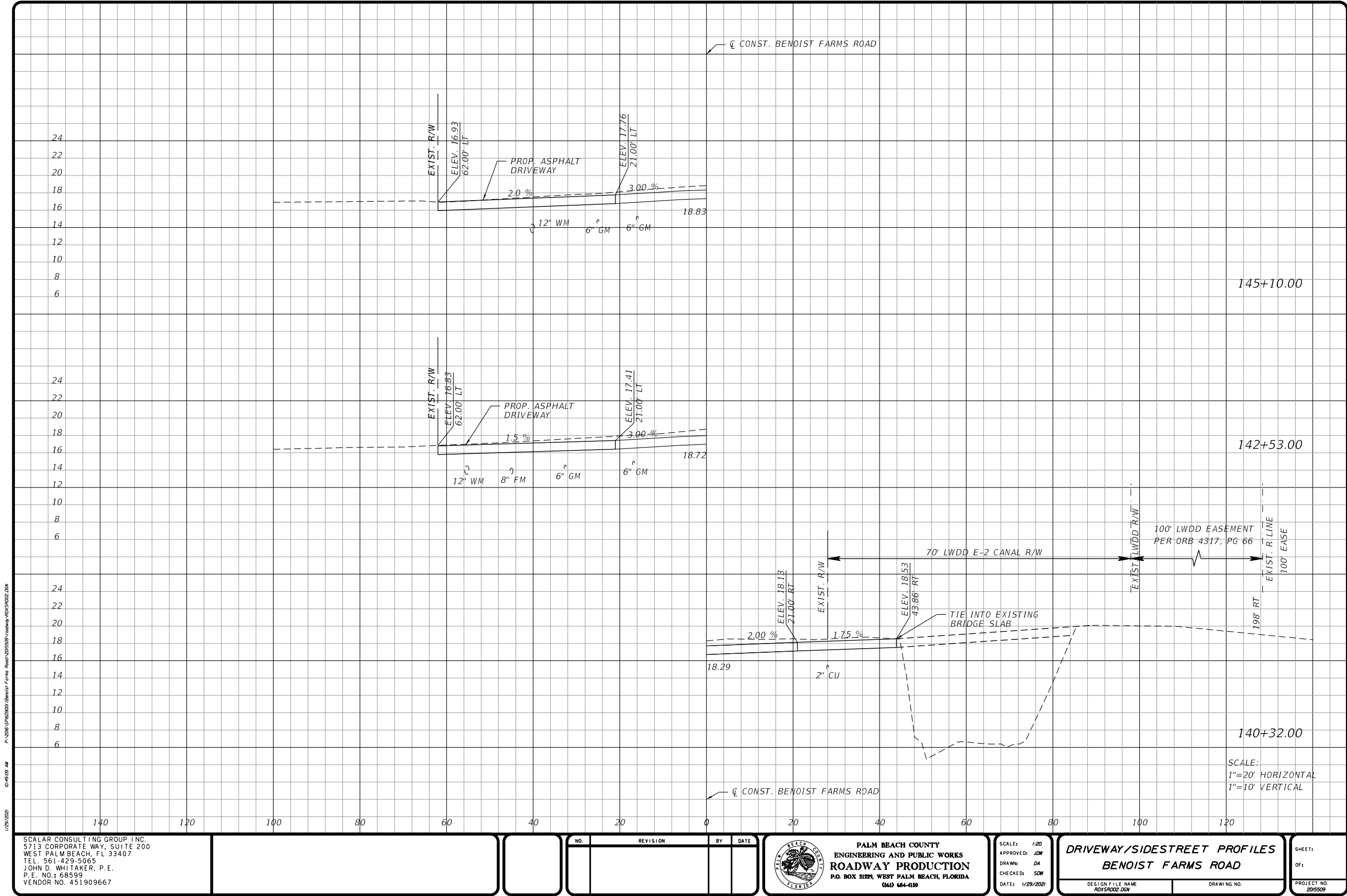


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DRAWN: DA
CHECKED: SDW
DATE: 1/29/2020

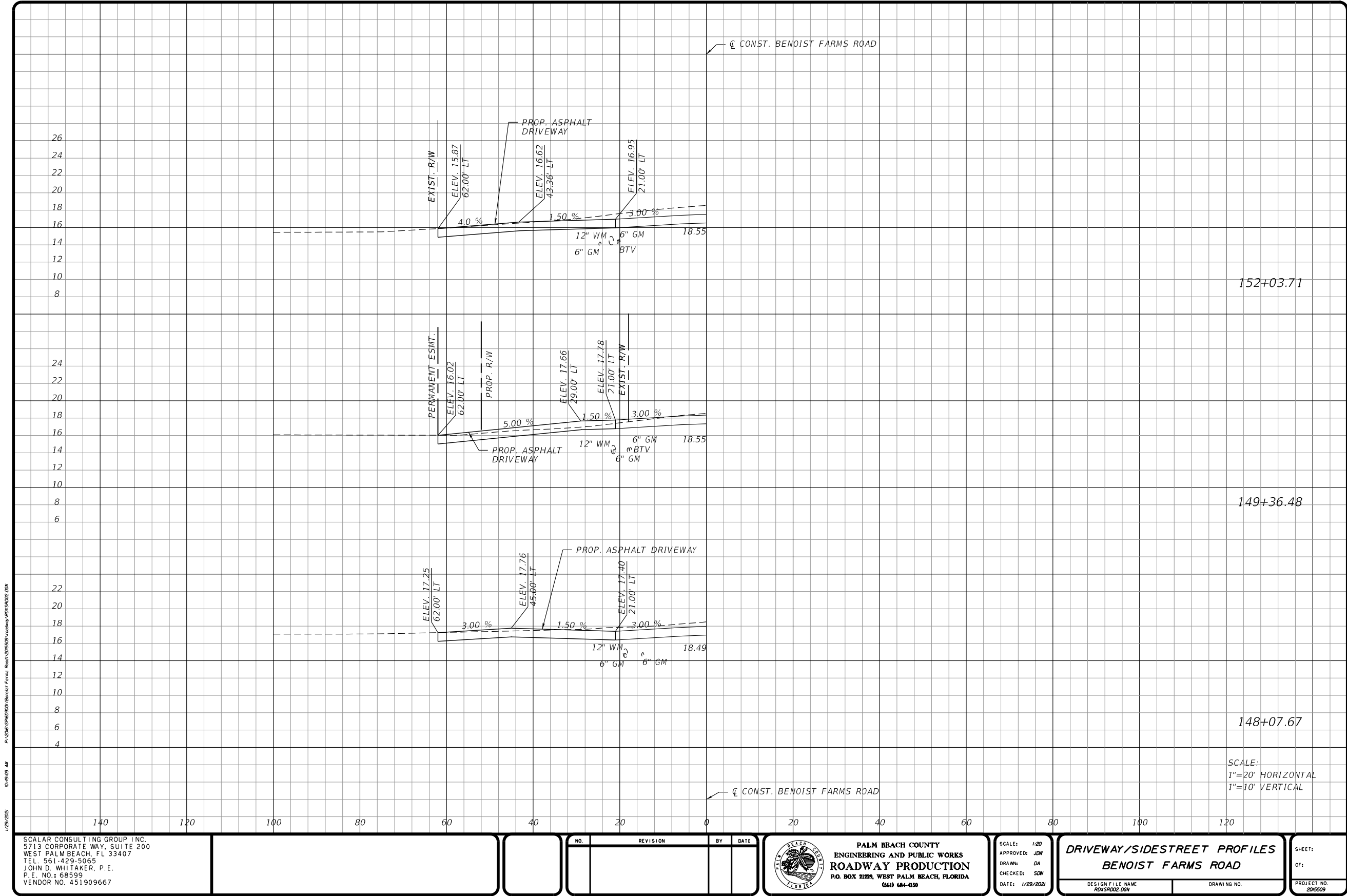
DRIVEWAY/SIDESTREET PROFILES
BENOIST FARMS ROAD
DESIGN FILE NAME: RD15RD02.DGN
DRAWING NO.

SHEET:
OF:
PROJECT NO.
201509

PERMITS



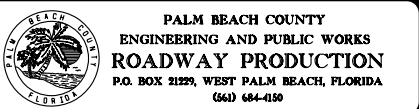
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P.E. NO.: 68599
VENDOR NO. 451909667

NO.	REVISION	BY	DATE

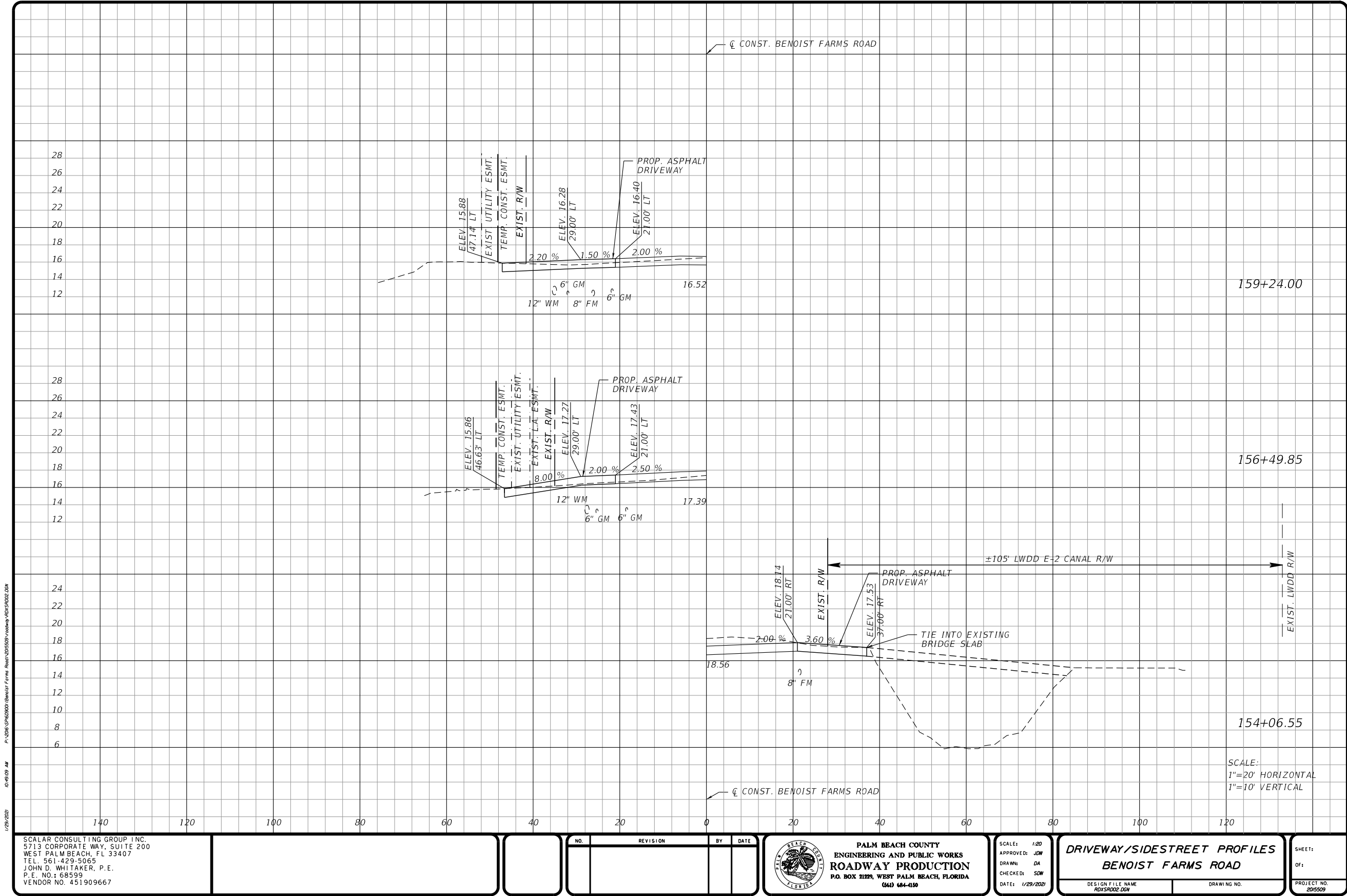


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APPROVED: JDW
DRAWN: DA
CHECKED: SDW
DATE: 1/29/2021

DRIVEWAY/SIDESTREET PROFILES
BENOIST FARMS ROAD
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DRAWING NO.

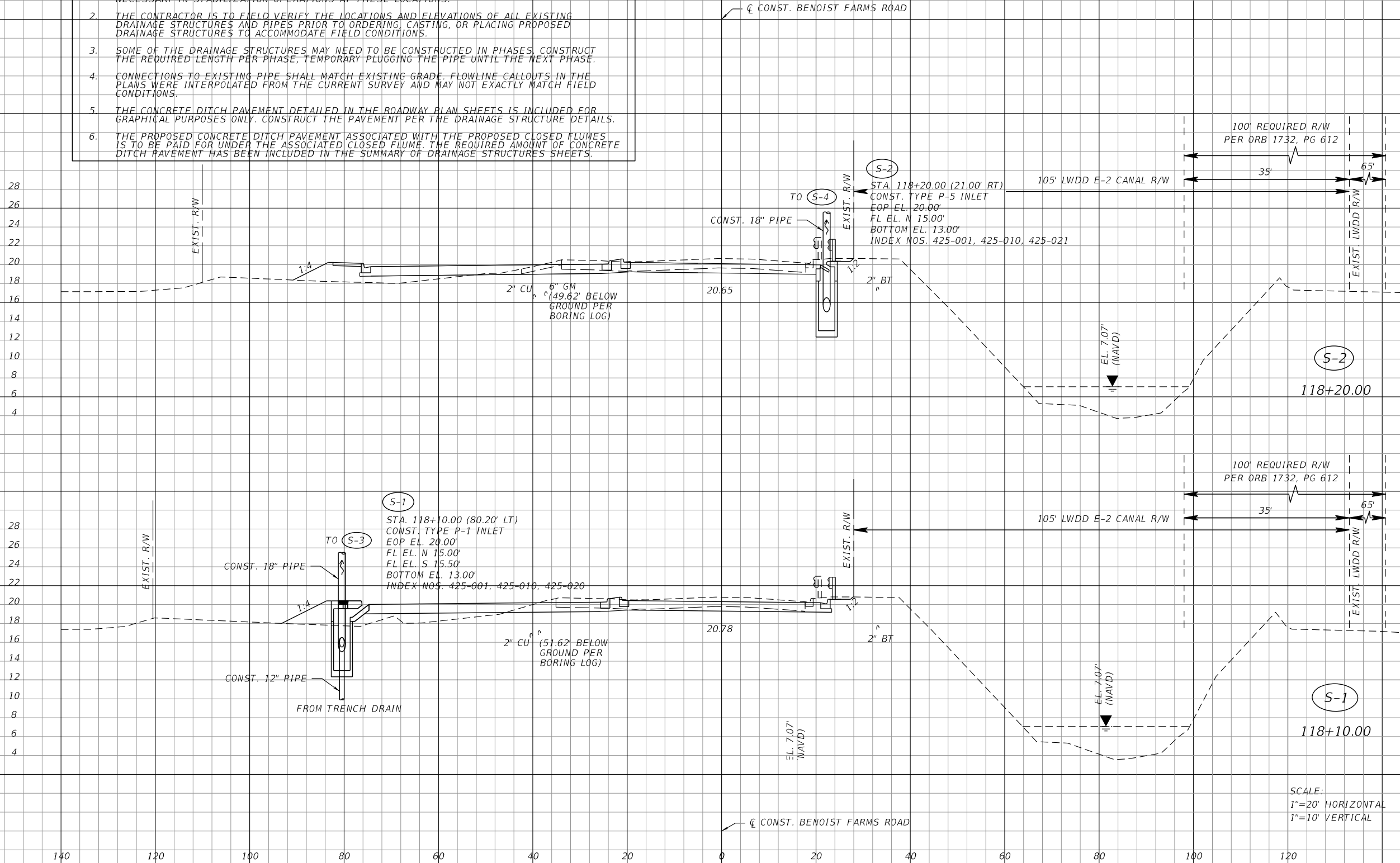
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OF:
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201509

PERMITS



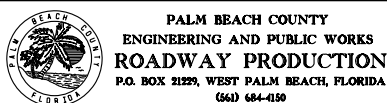
PERMITS

- NOTES:
1. SPECIAL ATTENTION IS DIRECTED TO THE FACT THAT PORTIONS OF SOME DRAINAGE STRUCTURES EXTEND INTO THE STABILIZED PORTION OF THE ROADBED AND EXTREME CAUTION WILL BE NECESSARY IN STABILIZATION OPERATIONS AT THESE LOCATIONS.
 2. THE CONTRACTOR IS TO FIELD VERIFY THE LOCATIONS AND ELEVATIONS OF ALL EXISTING DRAINAGE STRUCTURES AND PIPES PRIOR TO ORDERING, CASTING, OR PLACING PROPOSED DRAINAGE STRUCTURES TO ACCOMMODATE FIELD CONDITIONS.
 3. SOME OF THE DRAINAGE STRUCTURES MAY NEED TO BE CONSTRUCTED IN PHASES. CONSTRUCT THE REQUIRED LENGTH PER PHASE, TEMPORARY PLUGGING THE PIPE UNTIL THE NEXT PHASE.
 4. CONNECTIONS TO EXISTING PIPE SHALL MATCH EXISTING GRADE. FLOWLINE CALLOUTS IN THE PLANS WERE INTERPOLATED FROM THE CURRENT SURVEY AND MAY NOT EXACTLY MATCH FIELD CONDITIONS.
 5. THE CONCRETE DITCH PAVEMENT DETAILED IN THE ROADWAY PLAN SHEETS IS INCLUDED FOR GRAPHICAL PURPOSES ONLY. CONSTRUCT THE PAVEMENT PER THE DRAINAGE STRUCTURE DETAILS.
 6. THE PROPOSED CONCRETE DITCH PAVEMENT ASSOCIATED WITH THE PROPOSED CLOSED FLUMES IS TO BE PAID FOR UNDER THE ASSOCIATED CLOSED FLUME. THE REQUIRED AMOUNT OF CONCRETE DITCH PAVEMENT HAS BEEN INCLUDED IN THE SUMMARY OF DRAINAGE STRUCTURES SHEETS.



SCALAR CONSULTING GROUP INC.
5713 CORPORATE WAY, SUITE 200
WEST PALM BEACH, FL 33407
TEL. 561-429-5065
JOHN D. WHITAKER, P.E.
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VENDOR NO. 451909667

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**DRAINAGE STRUCTURES
BENOIST FARMS ROAD**

DESIGN FILE NAME
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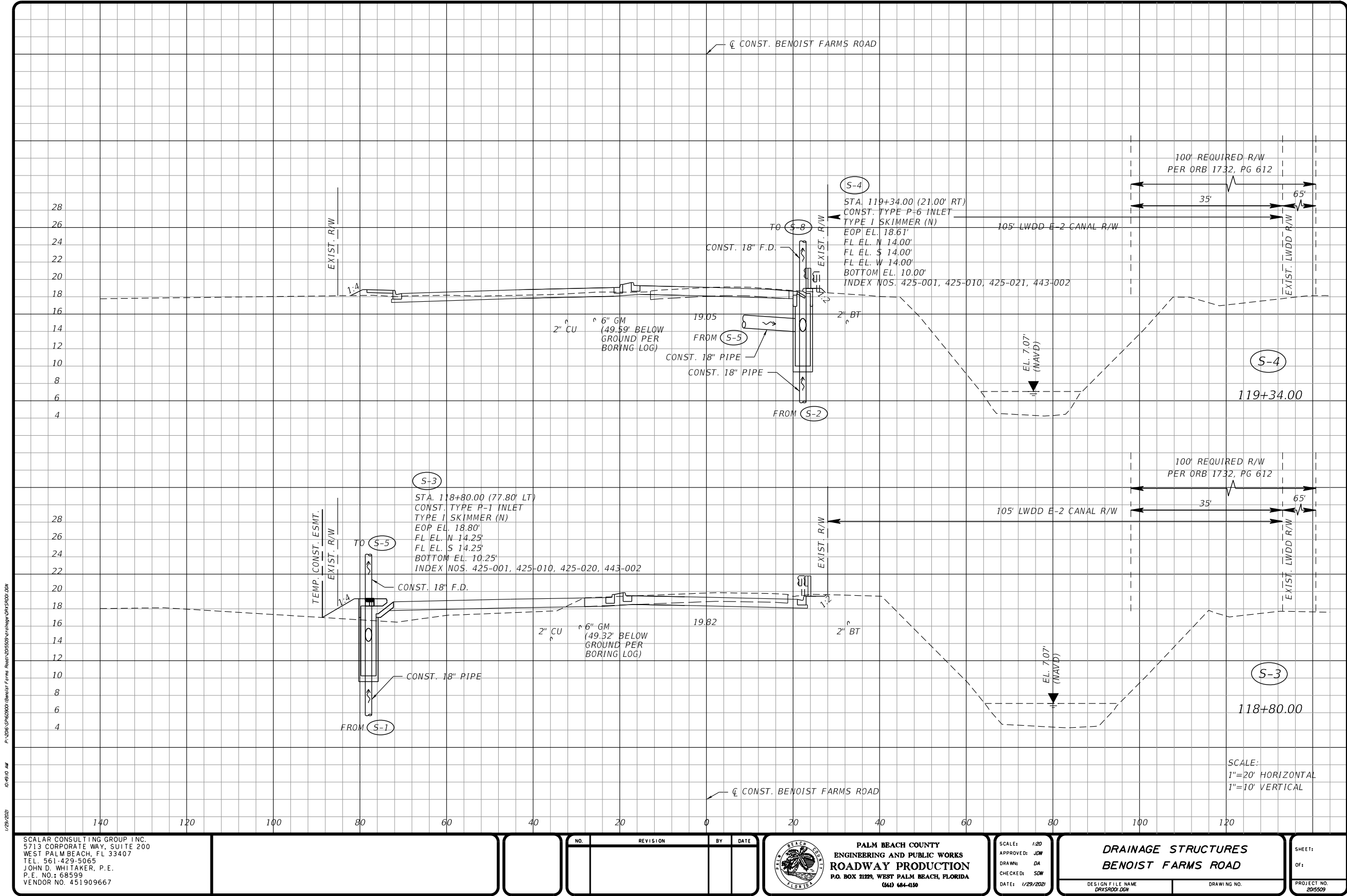
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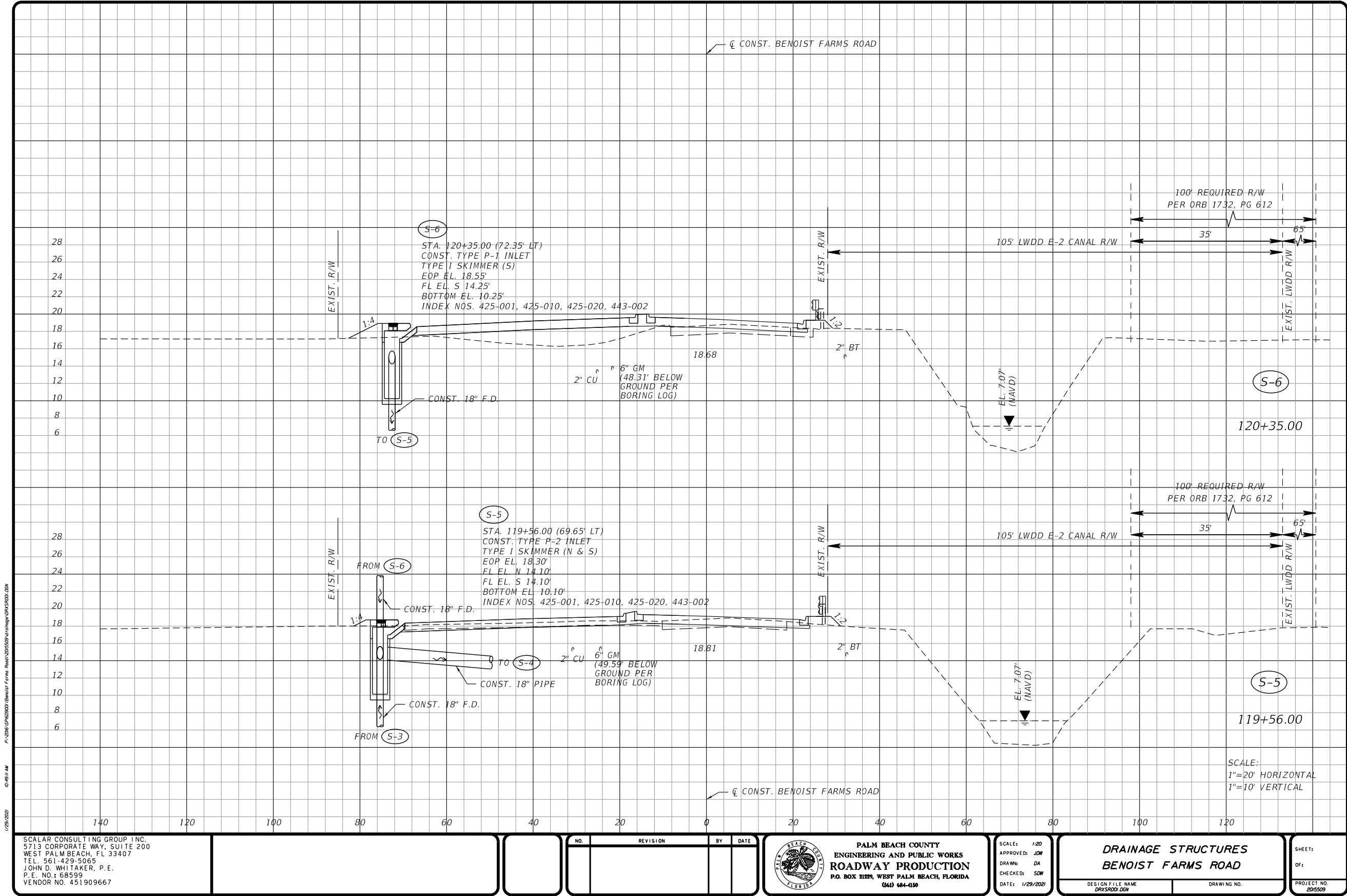
OF:

PROJECT NO.
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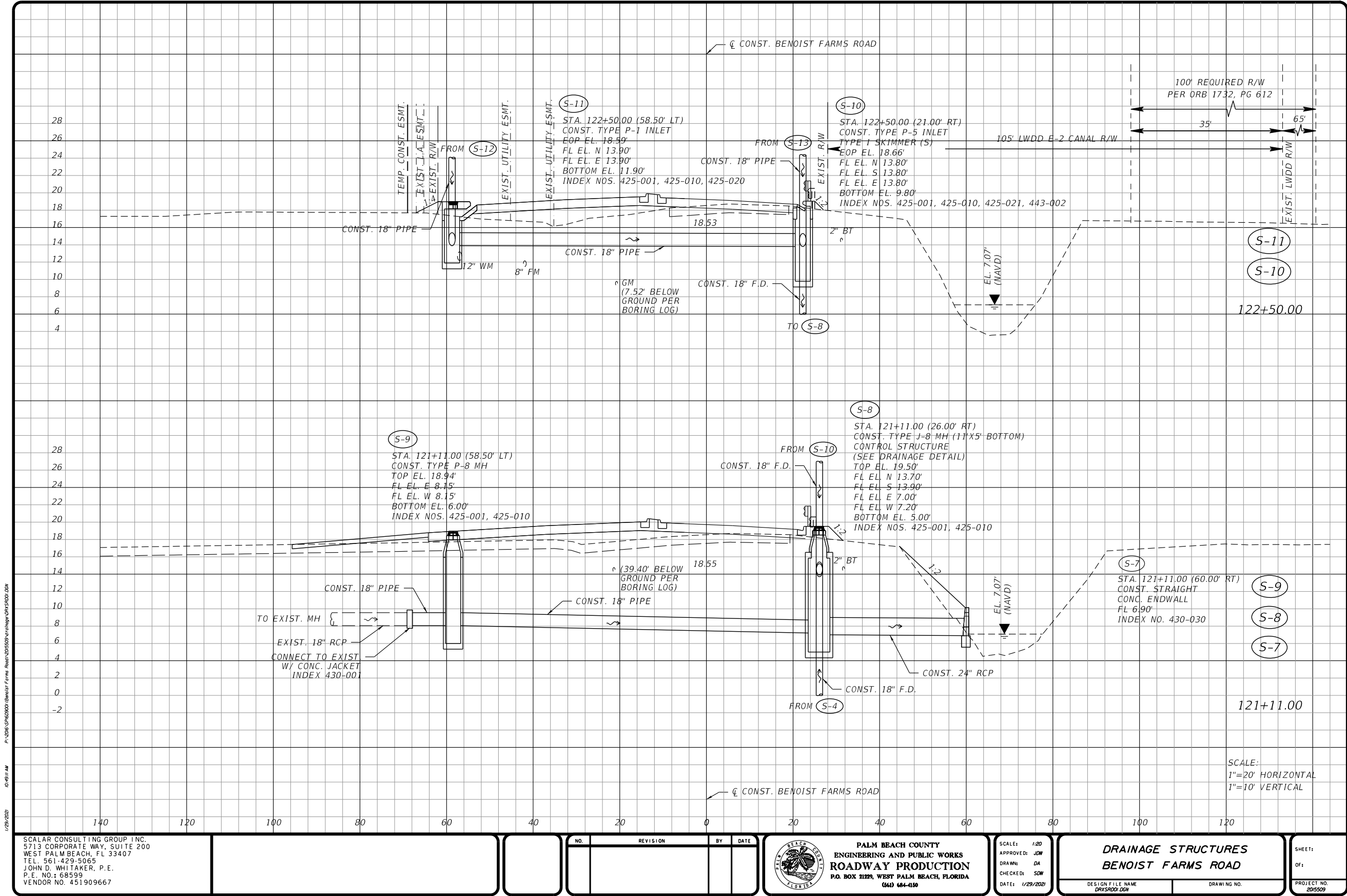
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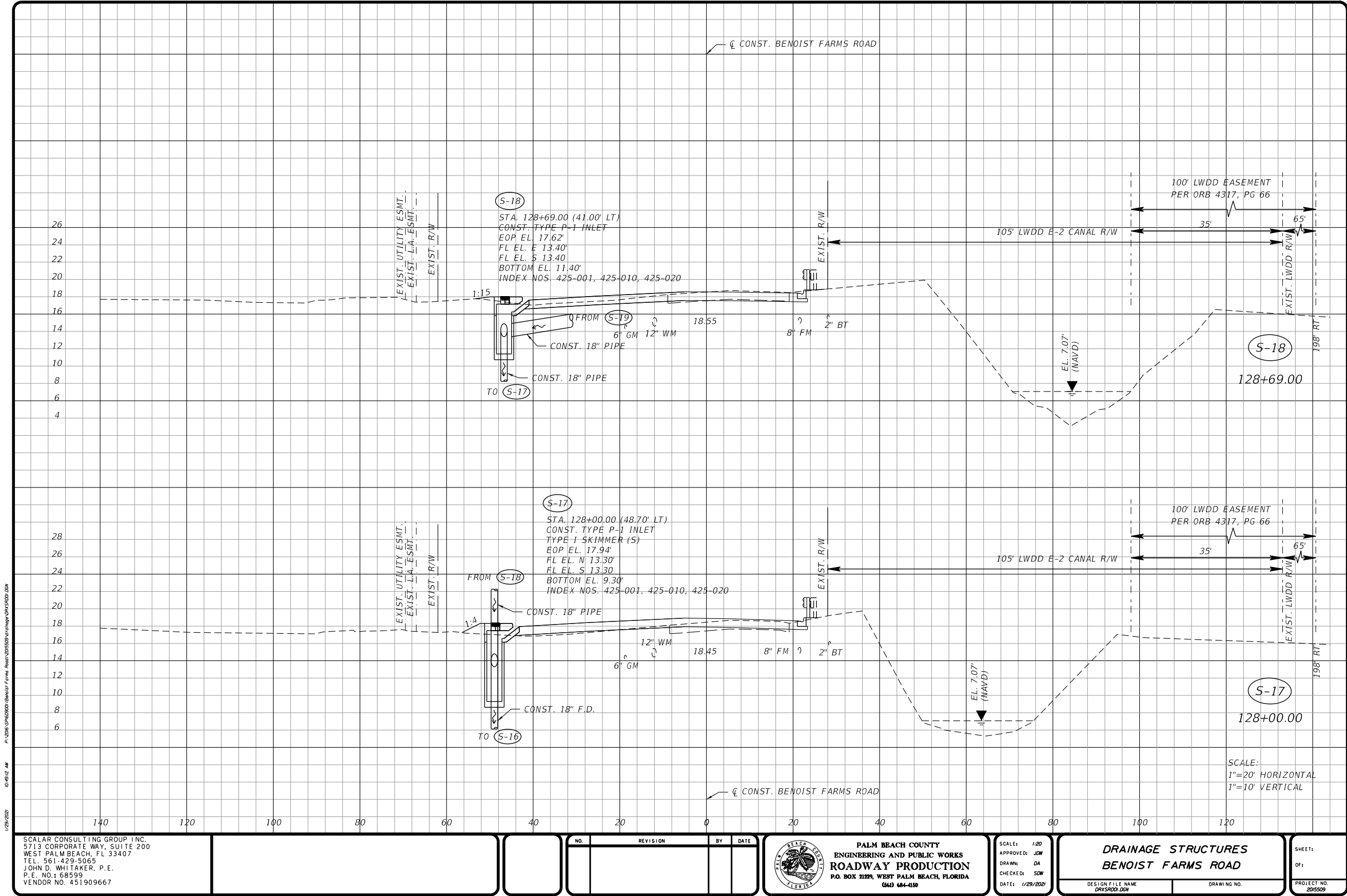
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PER-79



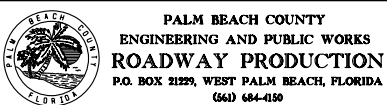
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5713 CORPORATE WAY, SUITE 200
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TEL. 561-429-5065
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VENDOR NO. 451909667

NO.	REVISION	BY	DATE



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DATE: 1/29/2020

DRAINAGE STRUCTURES
BENOIST FARMS ROAD

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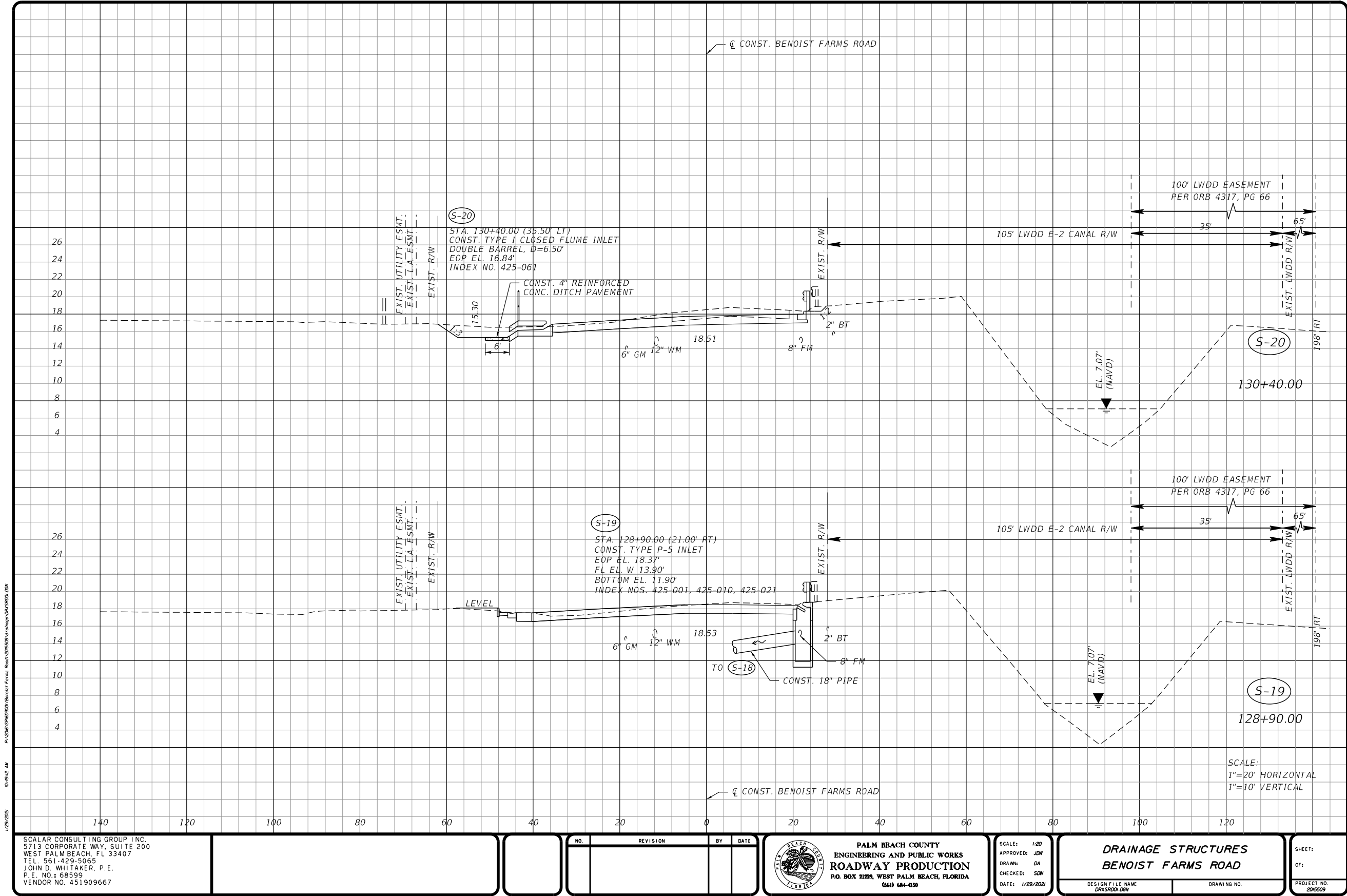
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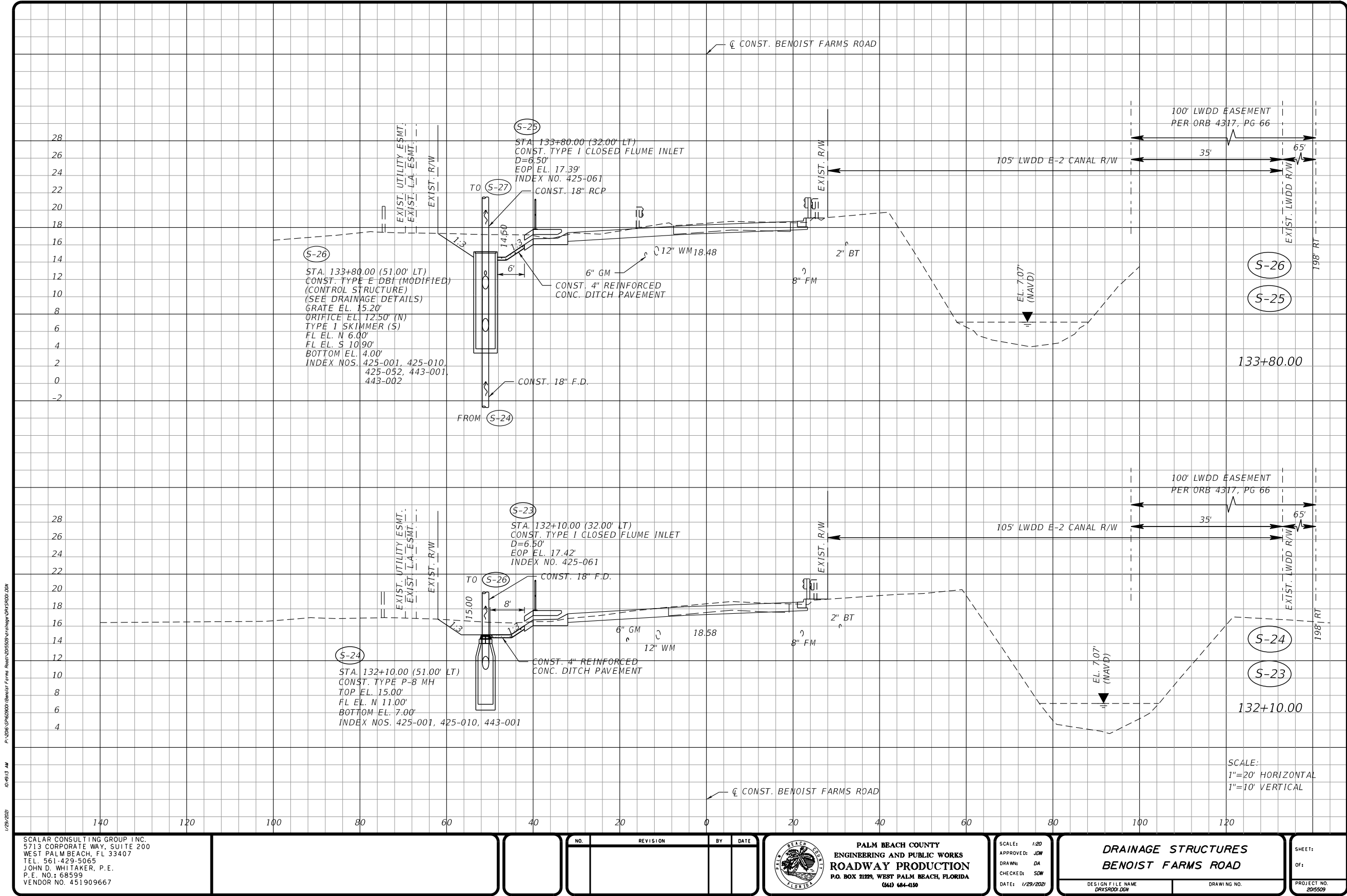
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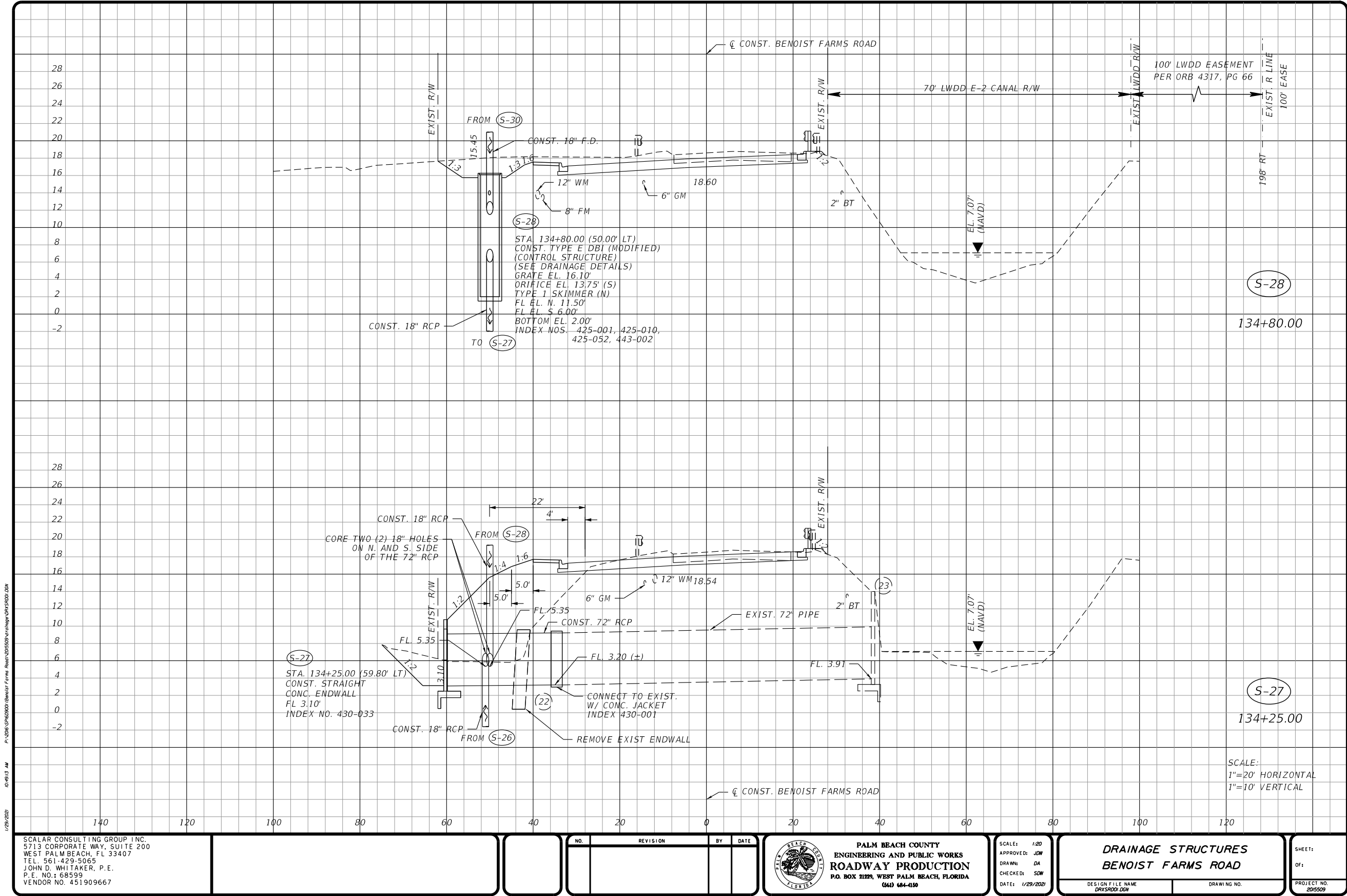
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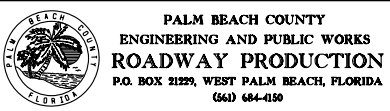


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DRAINAGE STRUCTURES
BENOIST FARMS ROAD

DESIGN FILE NAME
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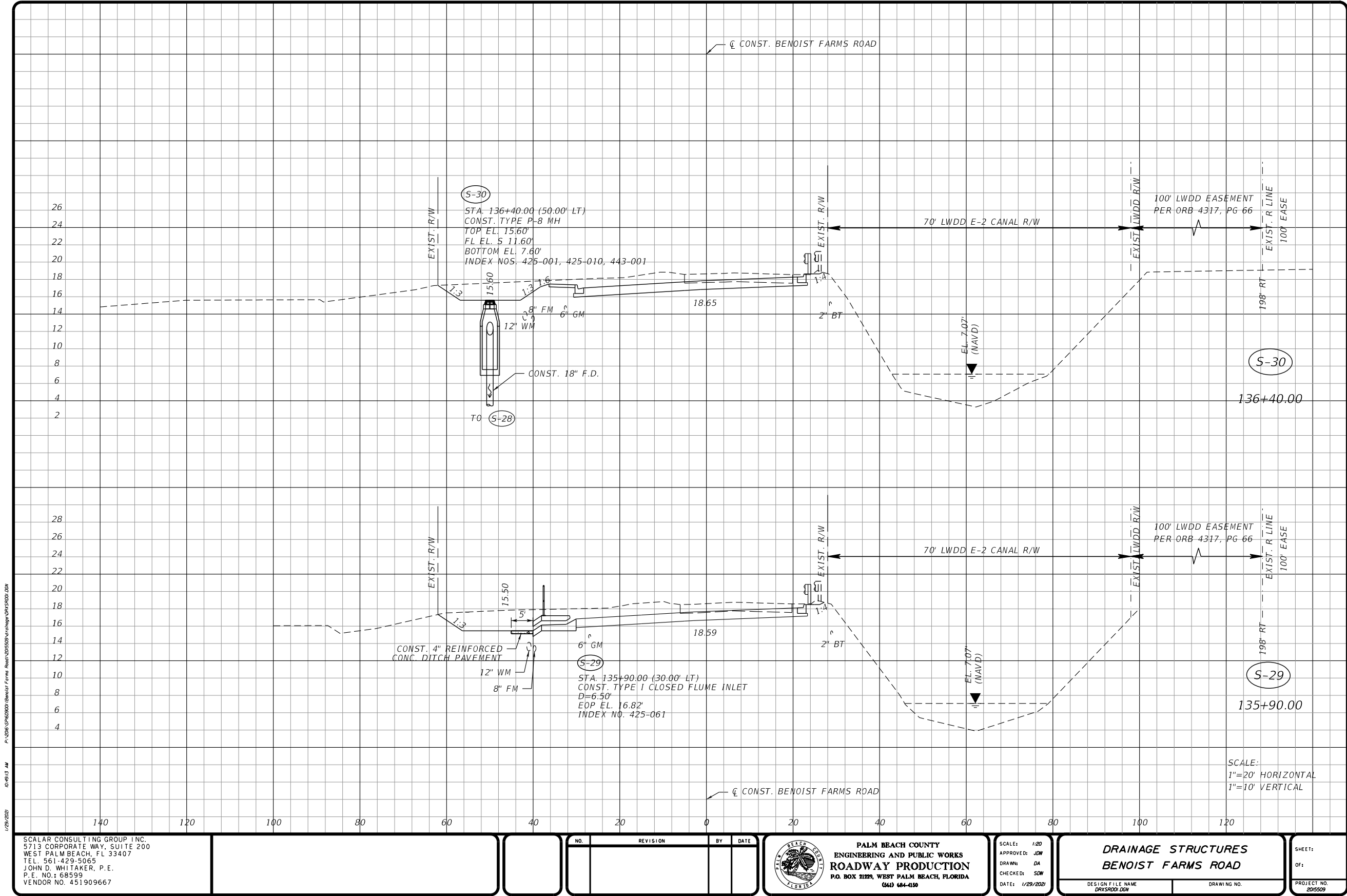
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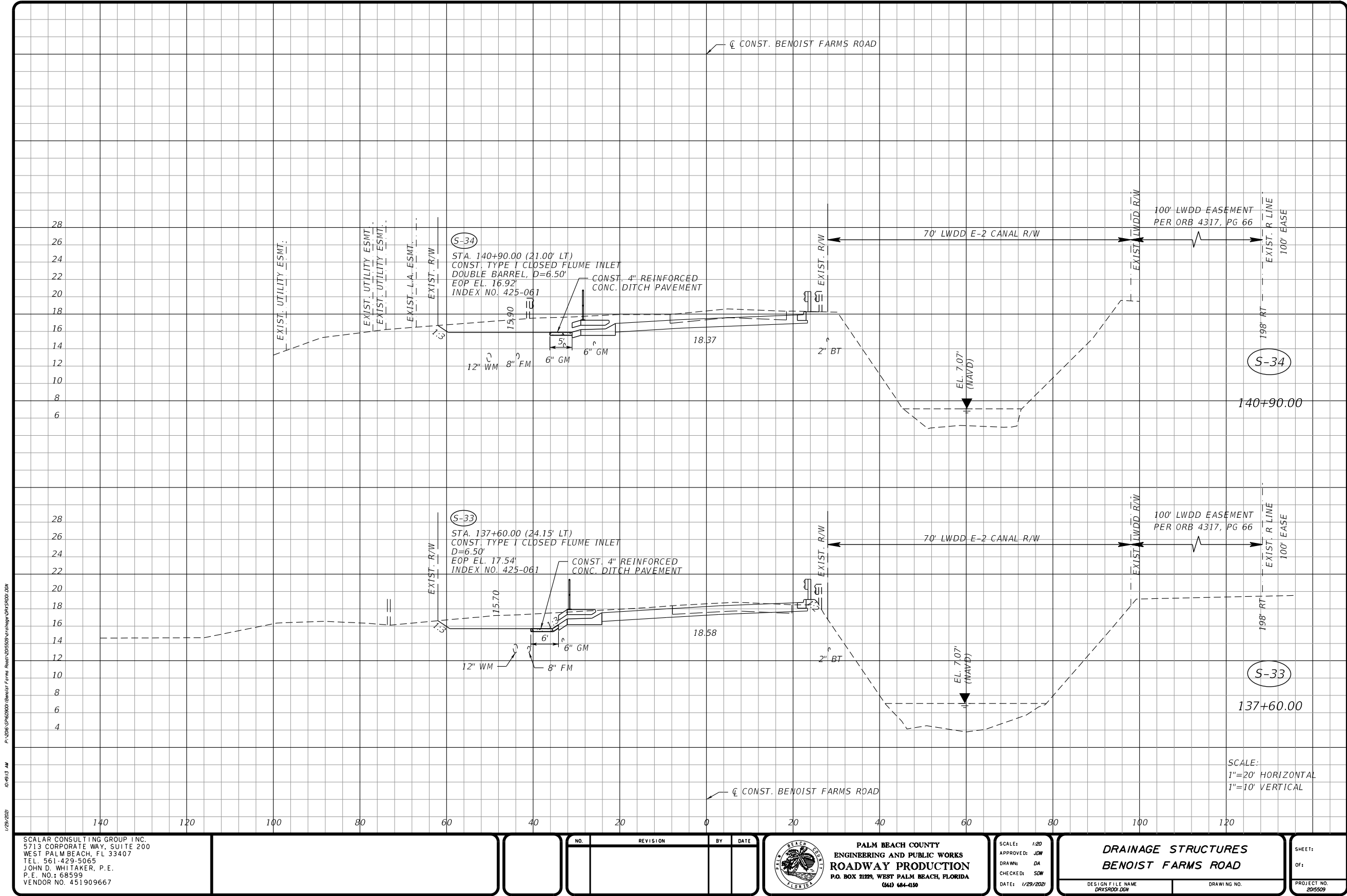
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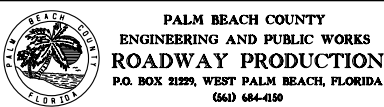
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P.E. NO.: 68599
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NO.	REVISION	BY	DATE



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DRAWN: DA
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DATE: 1/29/2020

DRAINAGE STRUCTURES
BENOIST FARMS ROAD

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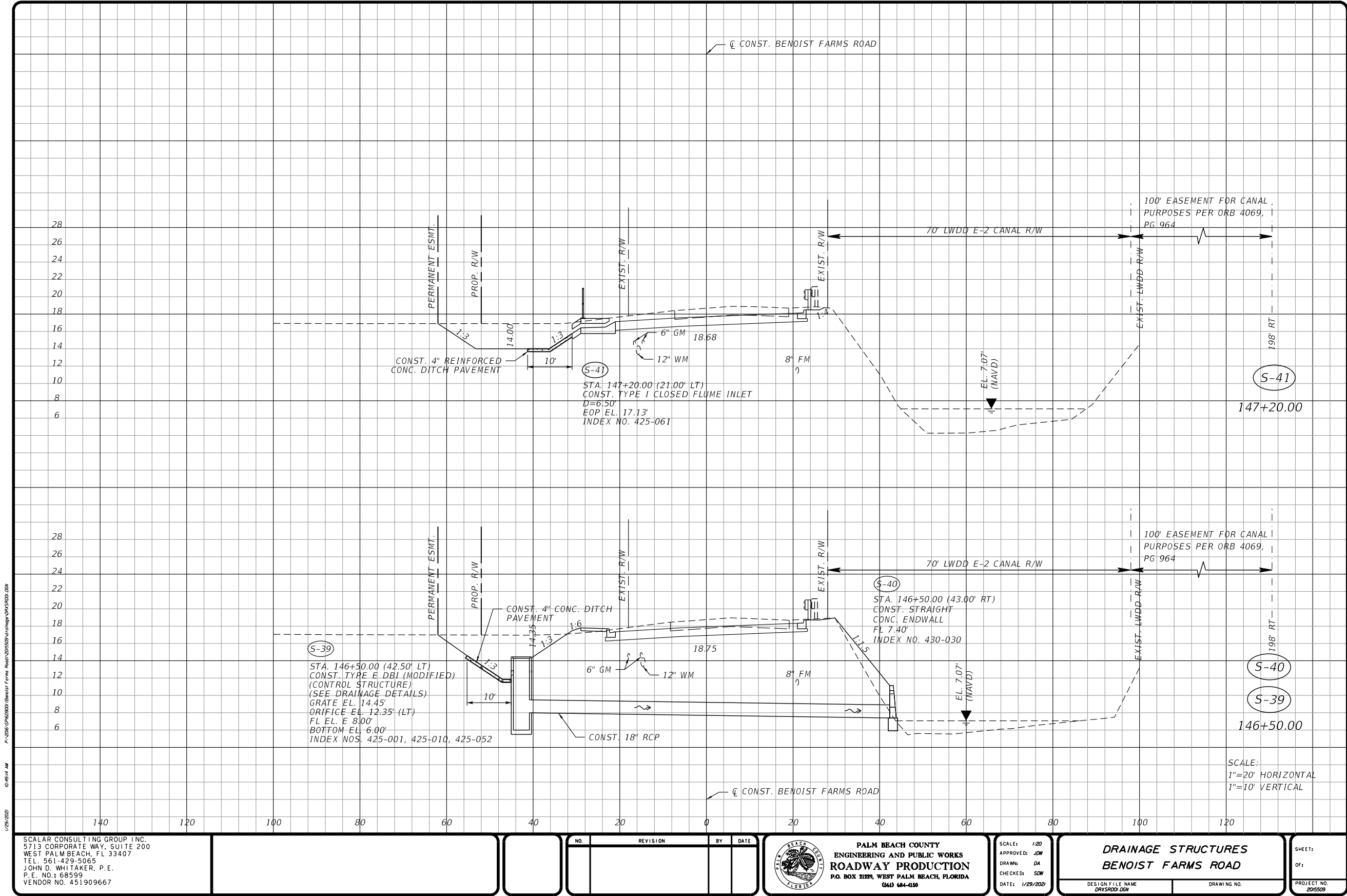
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201509

PER-86



PERMITS



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5713 CORPORATE WAY, SUITE 200
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JOHN D. WHITAKER, P.E.
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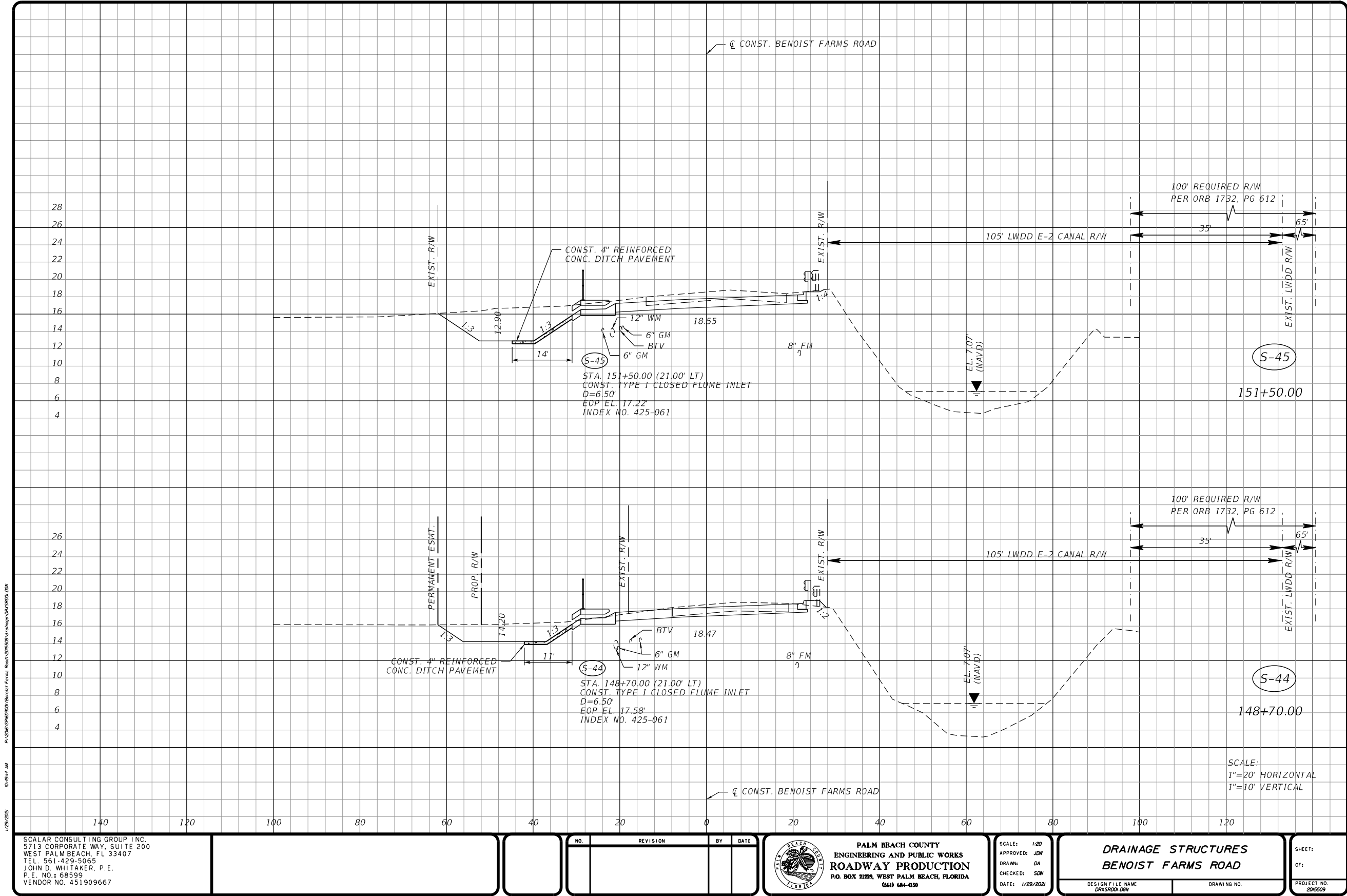


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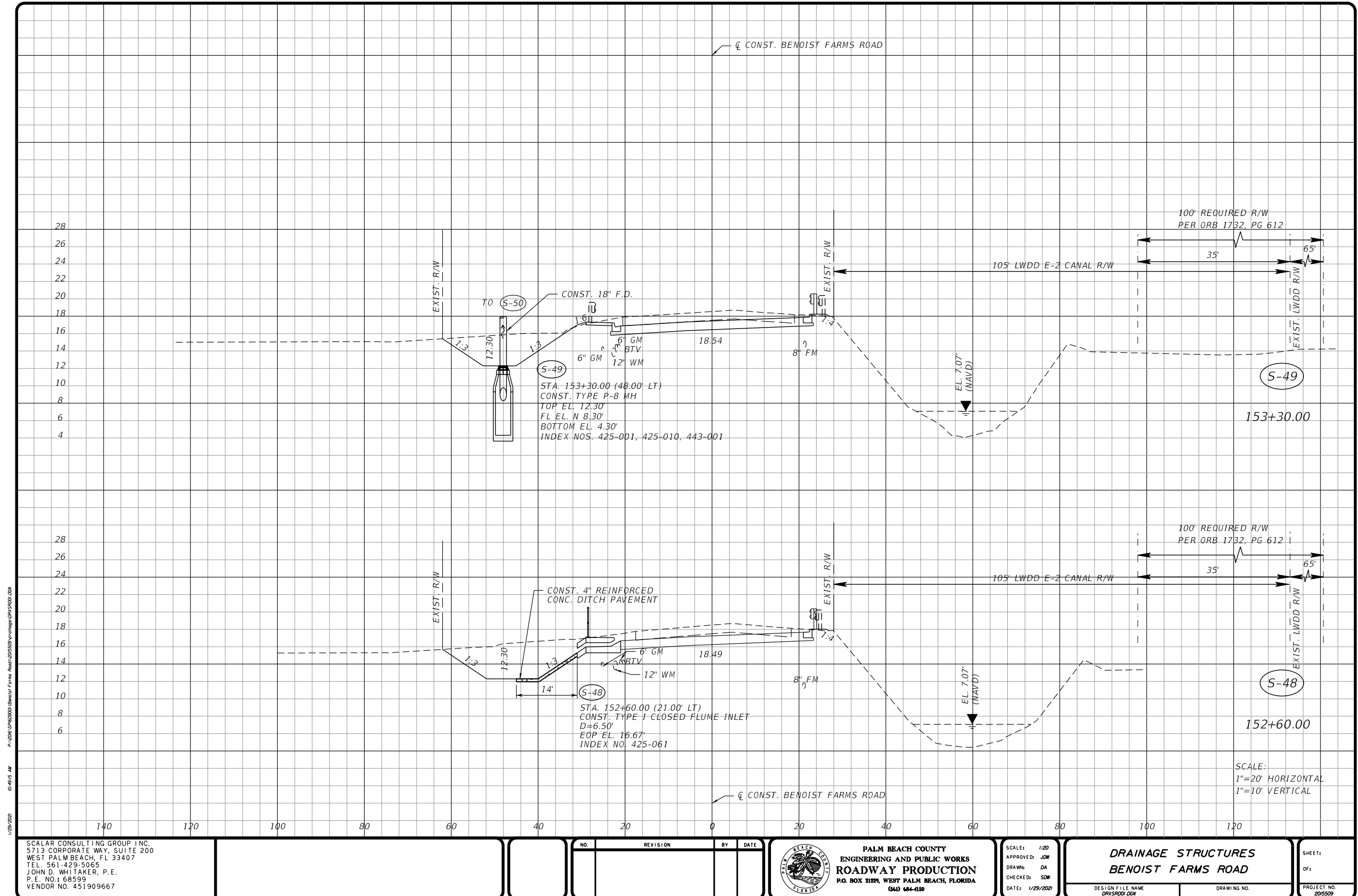
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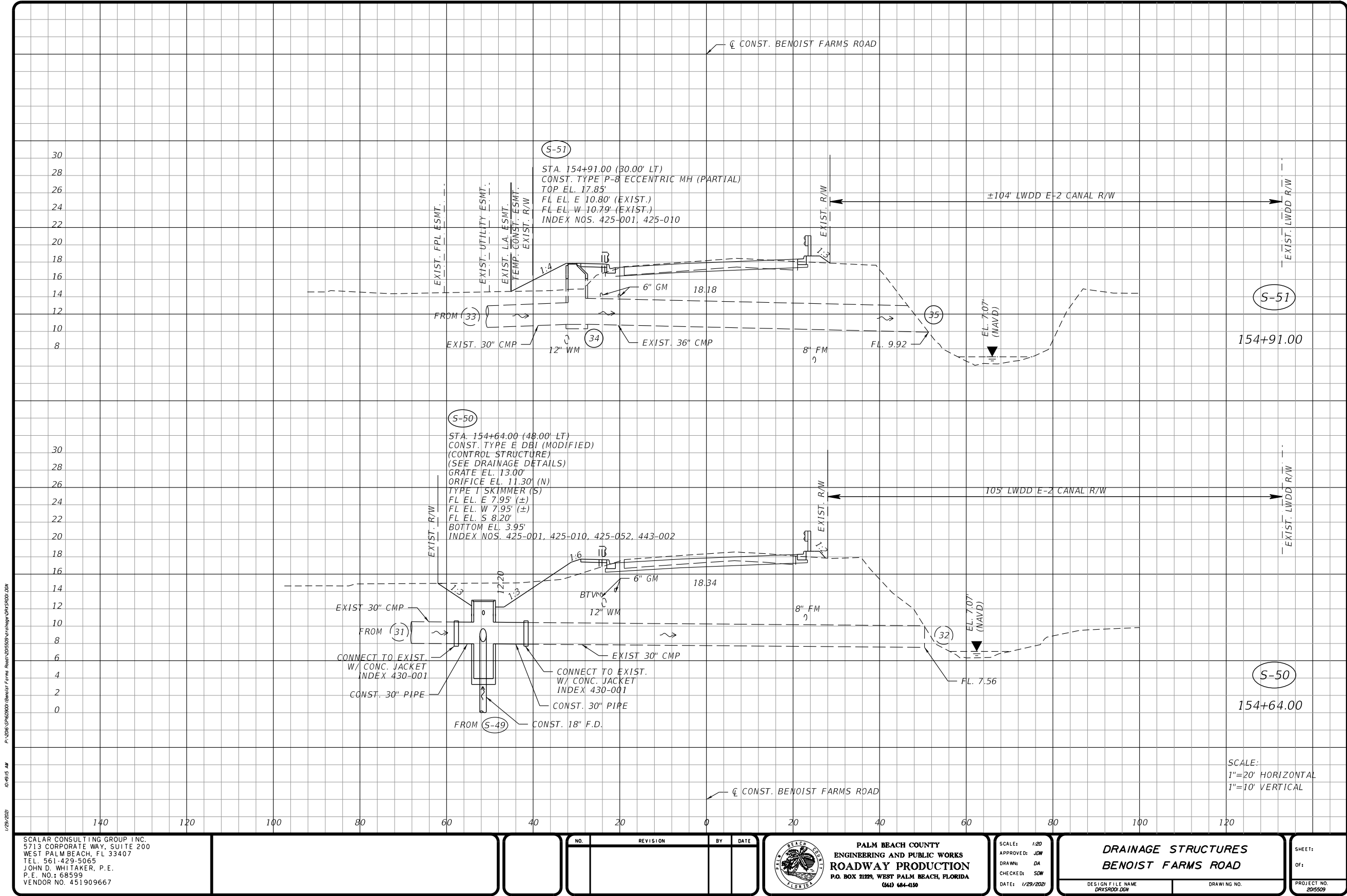
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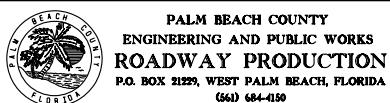
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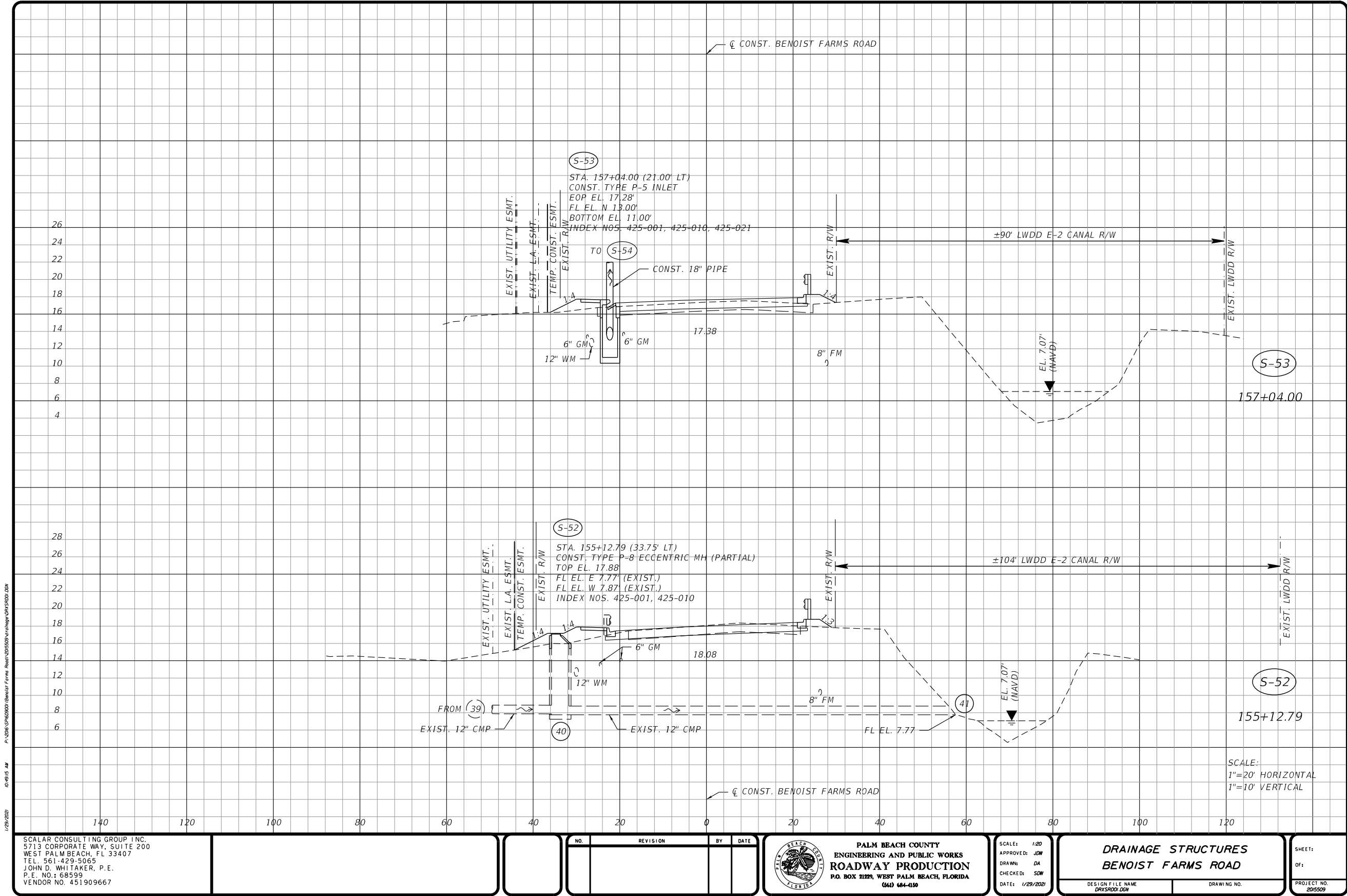


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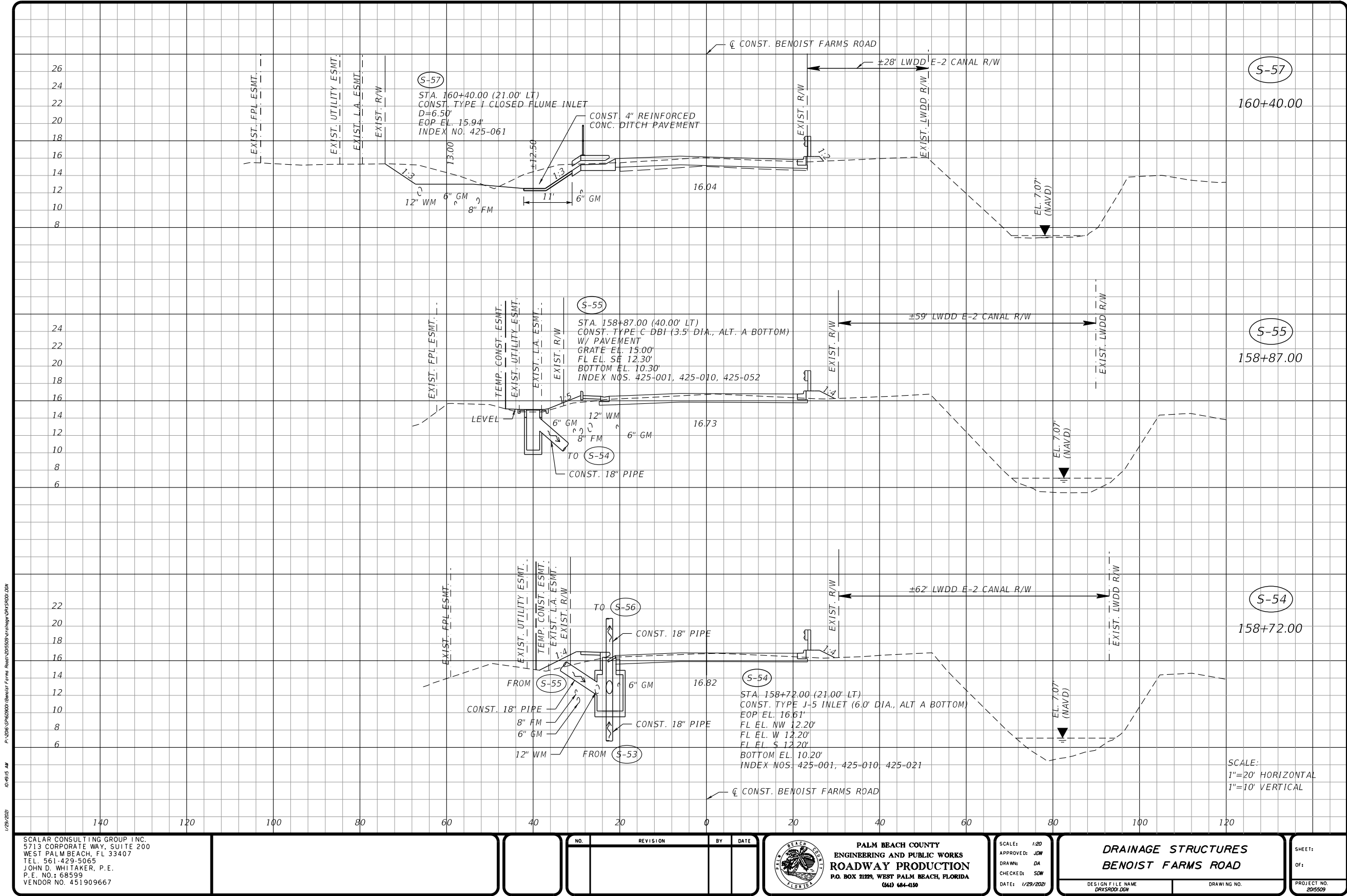
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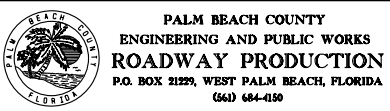


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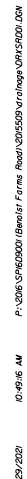
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DRAINAGE STRUCTURES
BENOIST FARMS ROAD

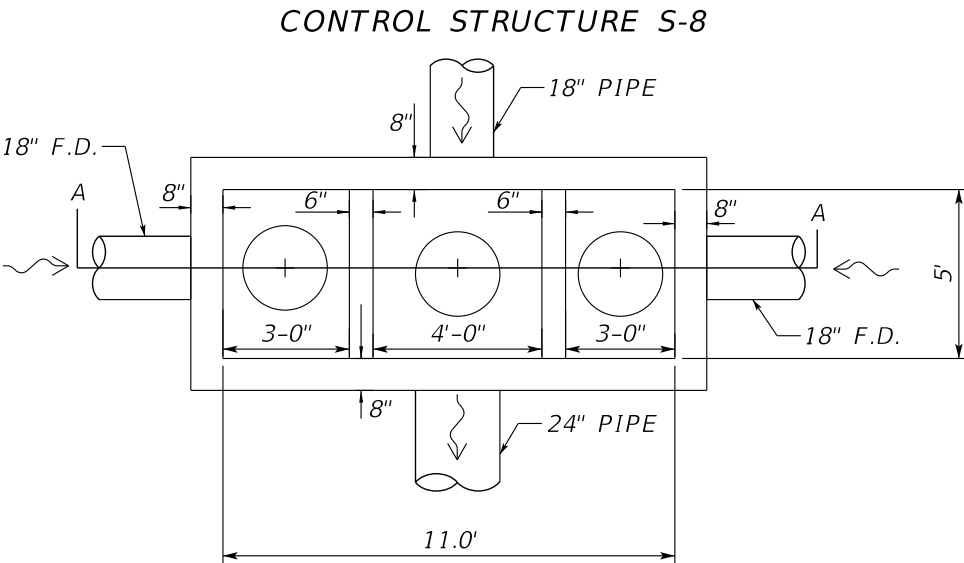
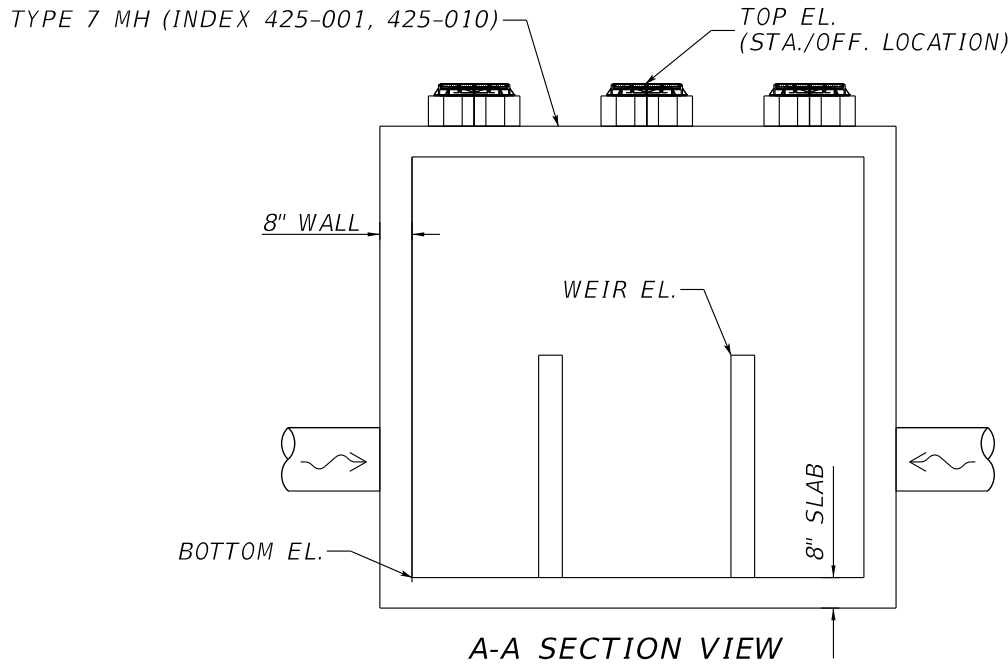
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OF:
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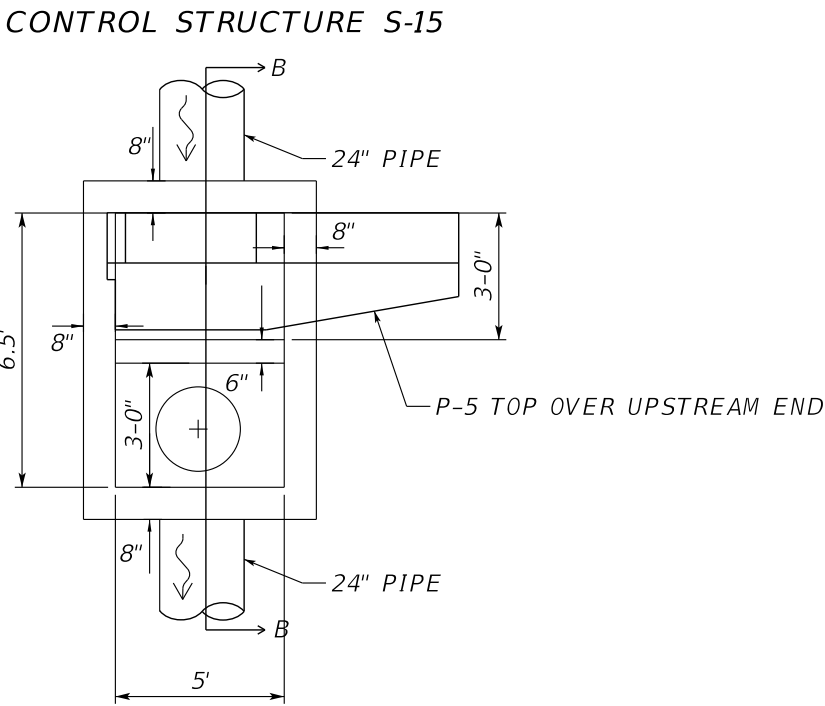
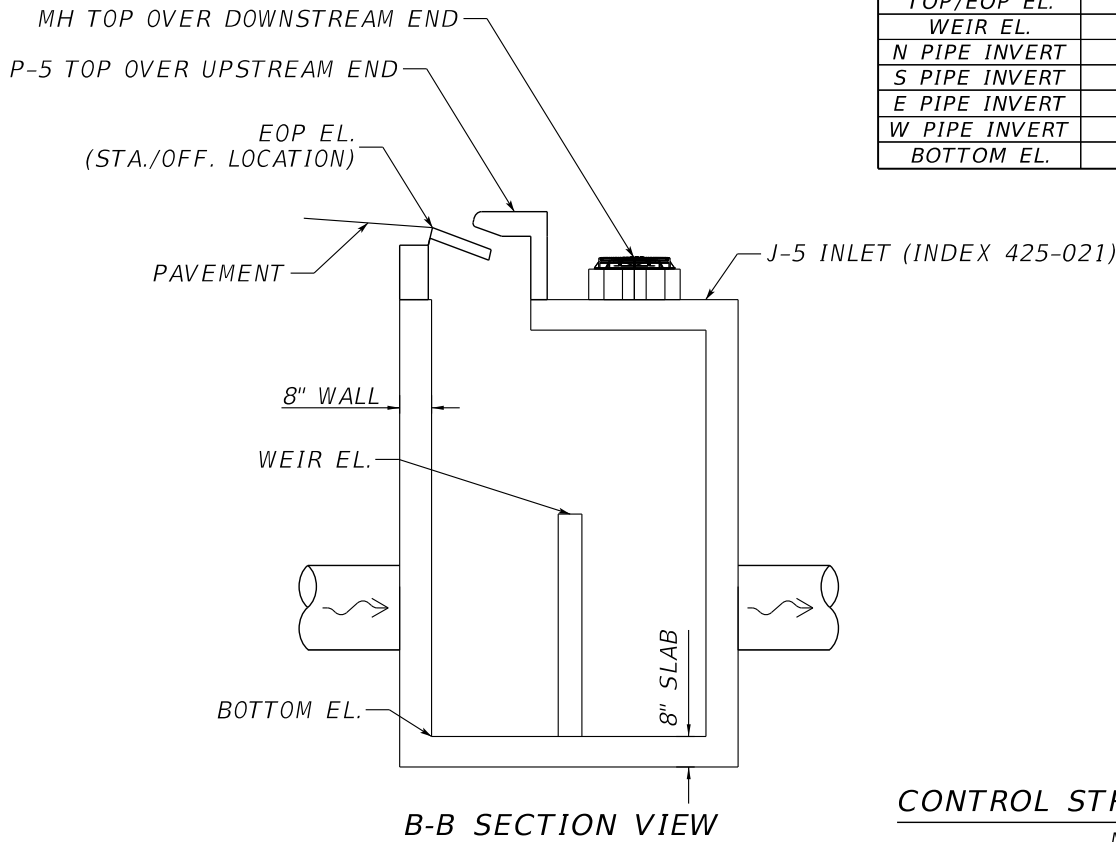
PER-93



PERMITS



	S-8	S-15
TOP/EOP EL.	19.50	18.47
WEIR EL.	16.20	15.40
N PIPE INVERT	13.70	N/A
S PIPE INVERT	13.90	N/A
E PIPE INVERT	7.00	8.40'
W PIPE INVERT	7.20	8.40
BOTTOM EL.	5.00	6.40

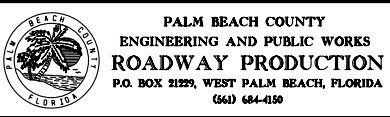


CONTROL STRUCTURE DETAIL
NTS

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SCALE: NTS
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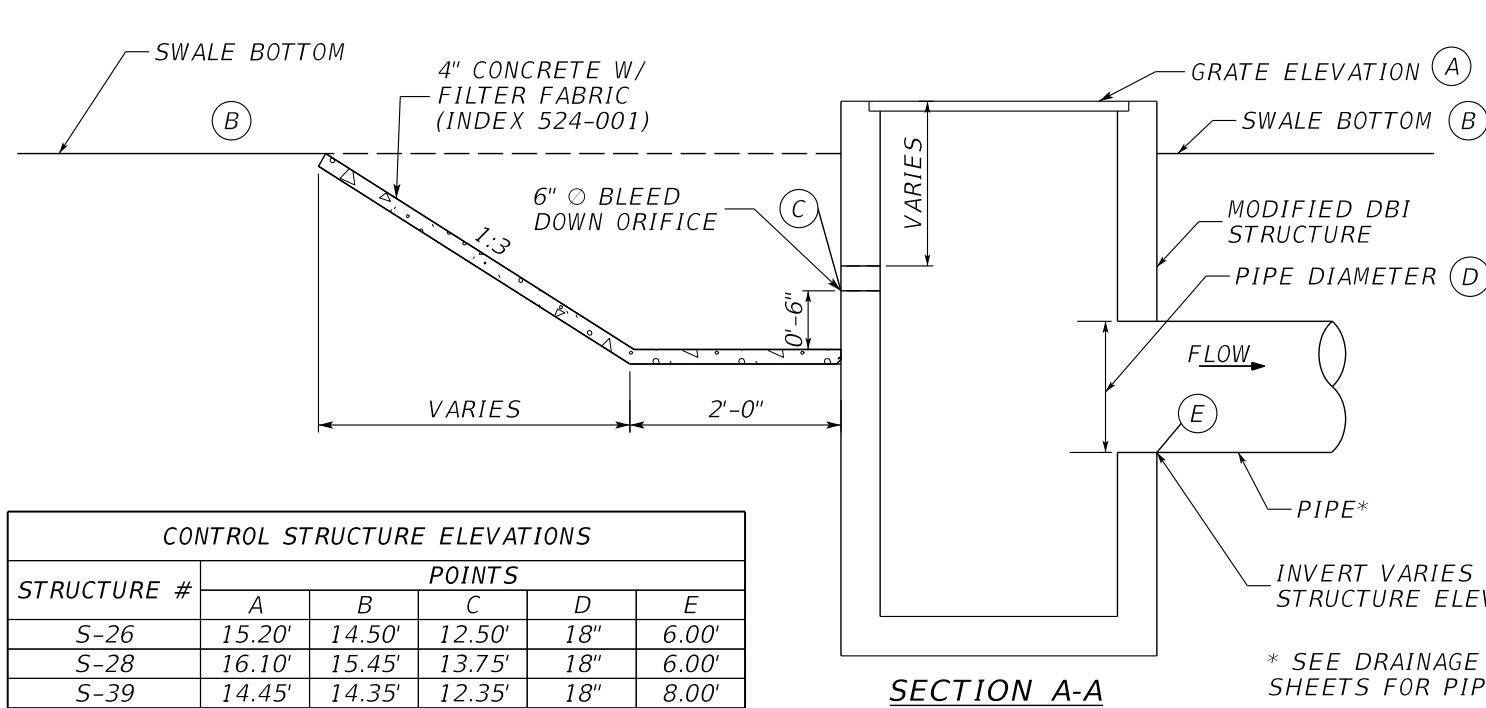
DRAINAGE DETAILS
BENOIST FARMS ROAD

DESIGN FILE NAME
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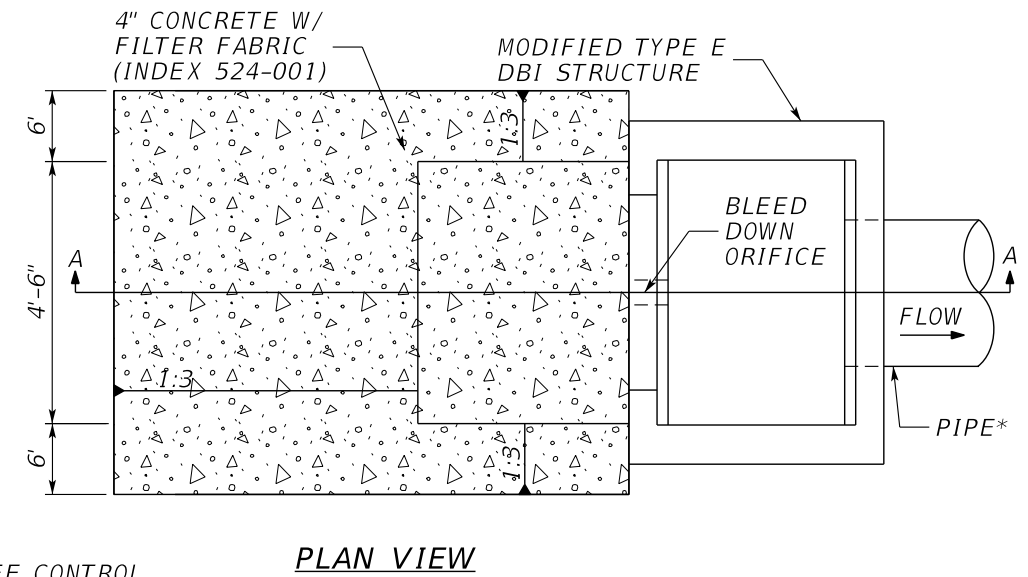
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PROJECT NO.
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PERMITS



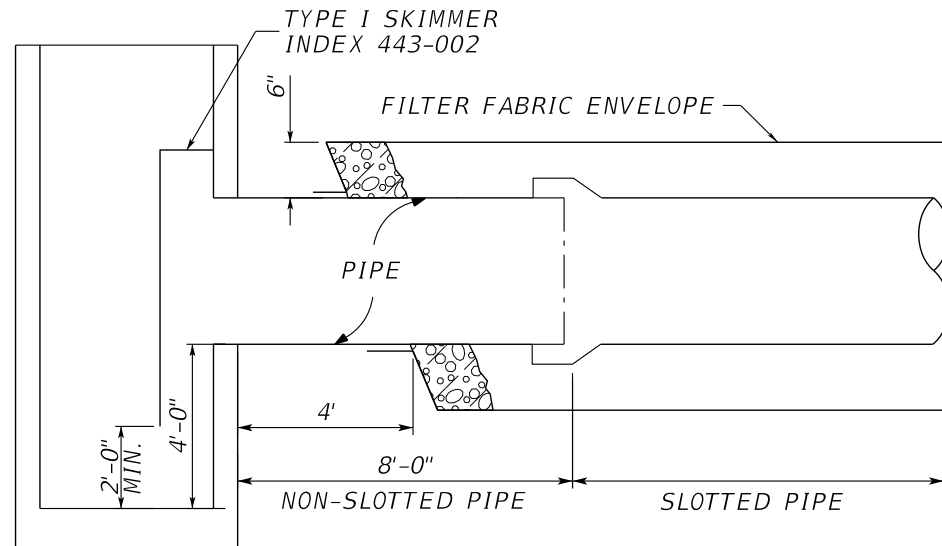
CONTROL STRUCTURE ELEVATIONS					
STRUCTURE #	POINTS				
	A	B	C	D	E
S-26	15.20'	14.50'	12.50'	18"	6.00'
S-28	16.10'	15.45'	13.75'	18"	6.00'
S-39	14.45'	14.35'	12.35'	18"	8.00'
S-50	13.00'	12.20'	11.30'	30"	7.95'
S-58	14.40'	13.00'	11.00'	24"	9.40'

NOTE:
FOR SLOPES, SEE DRAINAGE SECTION FOR EACH STRUCTURE.
ONLY USE 1:3 FOR ORIFICE LOCATED BACK OR AHEAD.



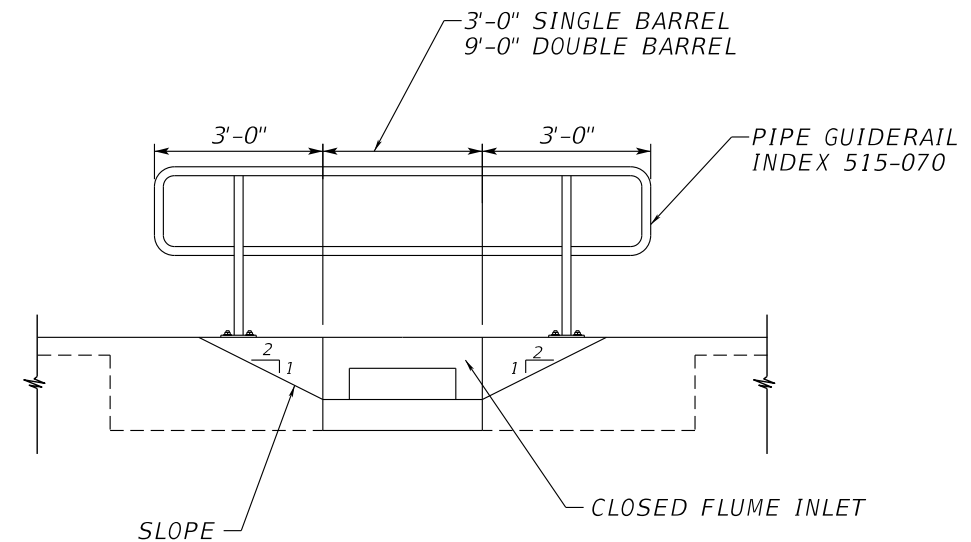
CONTROL STRUCTURE DETAIL

NTS



FRENCH DRAIN PER INDEX 443-001

NTS



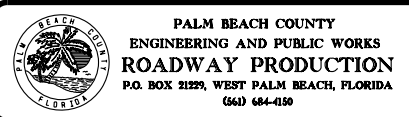
PIPE GUIDERAIL DETAIL FOR TYPE I CLOSED FLUME INLETS

NTS

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VENDOR NO. 451909667

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DATE: 1/29/2021

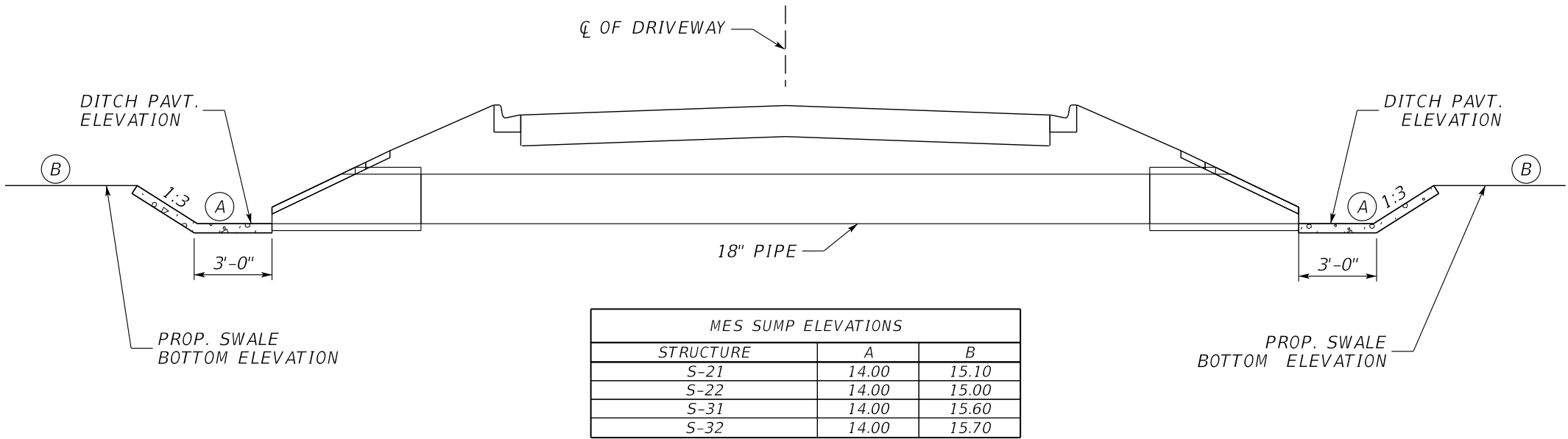
*DRAINAGE DETAILS
BENOIST FARMS ROAD*

DESIGN FILE NAME
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DRAWING NO.

SHEET:
OF:
PROJECT NO.
2015509

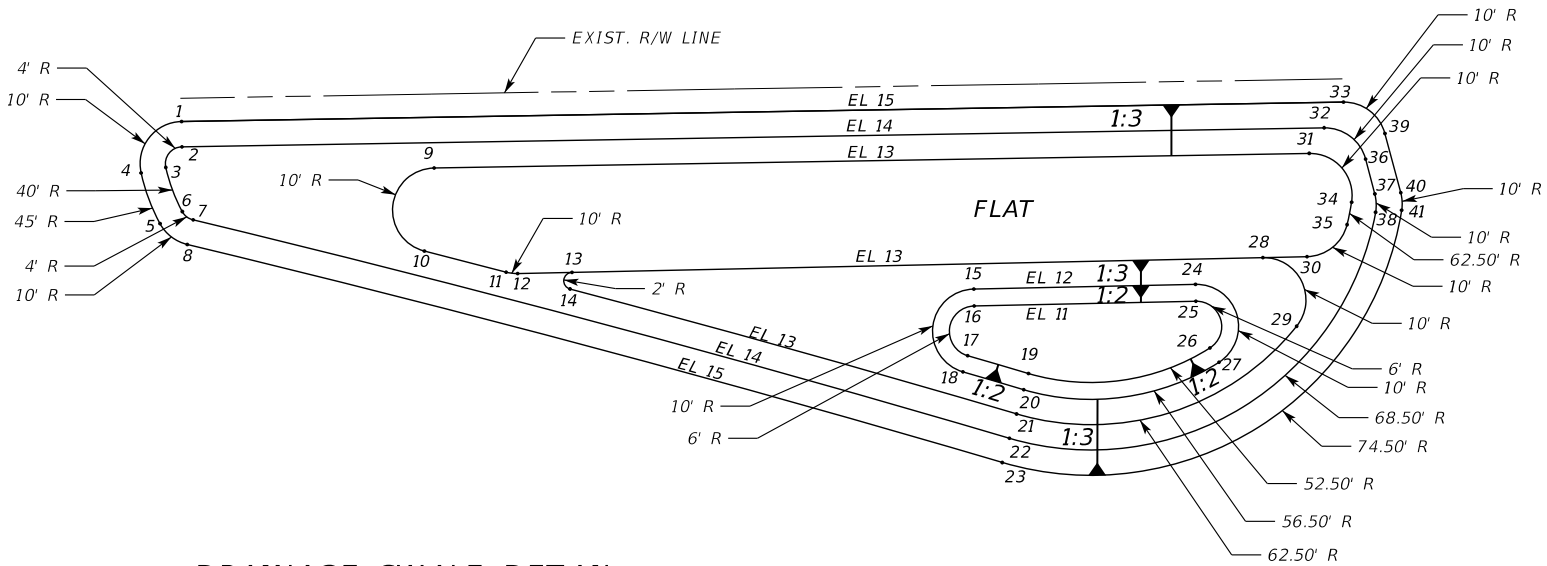
PERMITS



MES SUMP DETAIL

NTS

CHEVRON DRAINAGE SWALE CONTOUR DETAILS					
POINT	STATION	OFFSET	POINTS	STATION	OFFSET
1	159+52.17	48' LT	21	160+54.38	40' LT
2	159+52.90	45' LT	22	160+54.38	37' LT
3	159+51.62	42' LT	23	160+54.38	34' LT
4	159+48.98	41' LT	24	160+69.88	61' LT
5	159+52.48	35' LT	25	160+70.49	59' LT
6	159+54.68	37' LT	26	160+73.63	54' LT
7	159+56.13	37' LT	27	160+75.15	53' LT
8	159+56.13	34' LT	28	160+76.51	66' LT
9	159+81.80	50' LT	29	160+82.71	59' LT
10	159+83.08	40' LT	30	160+81.48	68' LT
11	159+92.88	40' LT	31	160+78.16	79' LT
12	159+94.21	40' LT	32	160+78.96	83' LT
13	160+00.28	42' LT	33	160+80.27	86' LT
14	160+00.55	40' LT	34	160+84.65	75' LT
15	160+45.58	53' LT	35	160+84.91	73' LT
16	160+46.16	51' LT	36	160+84.74	81' LT
17	160+47.04	45' LT	37	160+86.99	77' LT
18	160+47.04	43' LT	38	160+87.71	75' LT
19	160+54.38	45' LT	39	160+86.05	84' LT
20	160+54.38	43' LT	40	160+89.89	78' LT



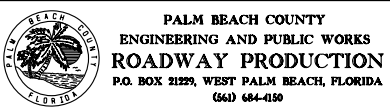
DRAINAGE SWALE DETAIL

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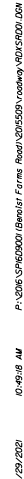


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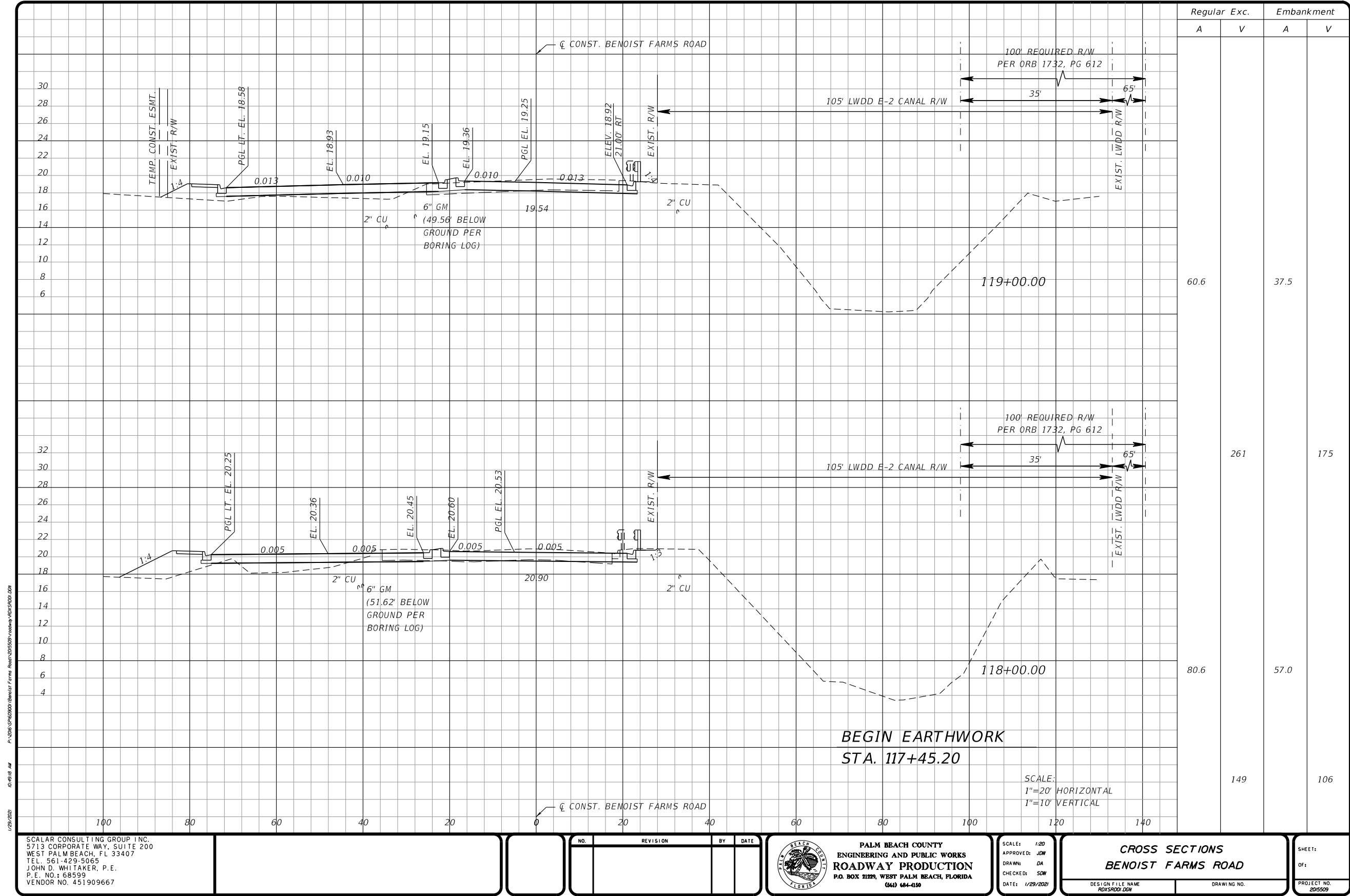
DRAINAGE DETAILS BENOIST FARMS ROAD	
DESIGN FILE NAME DRD1.DWG	DRAWING NO.

SHEET:
OF:
PROJECT NO.
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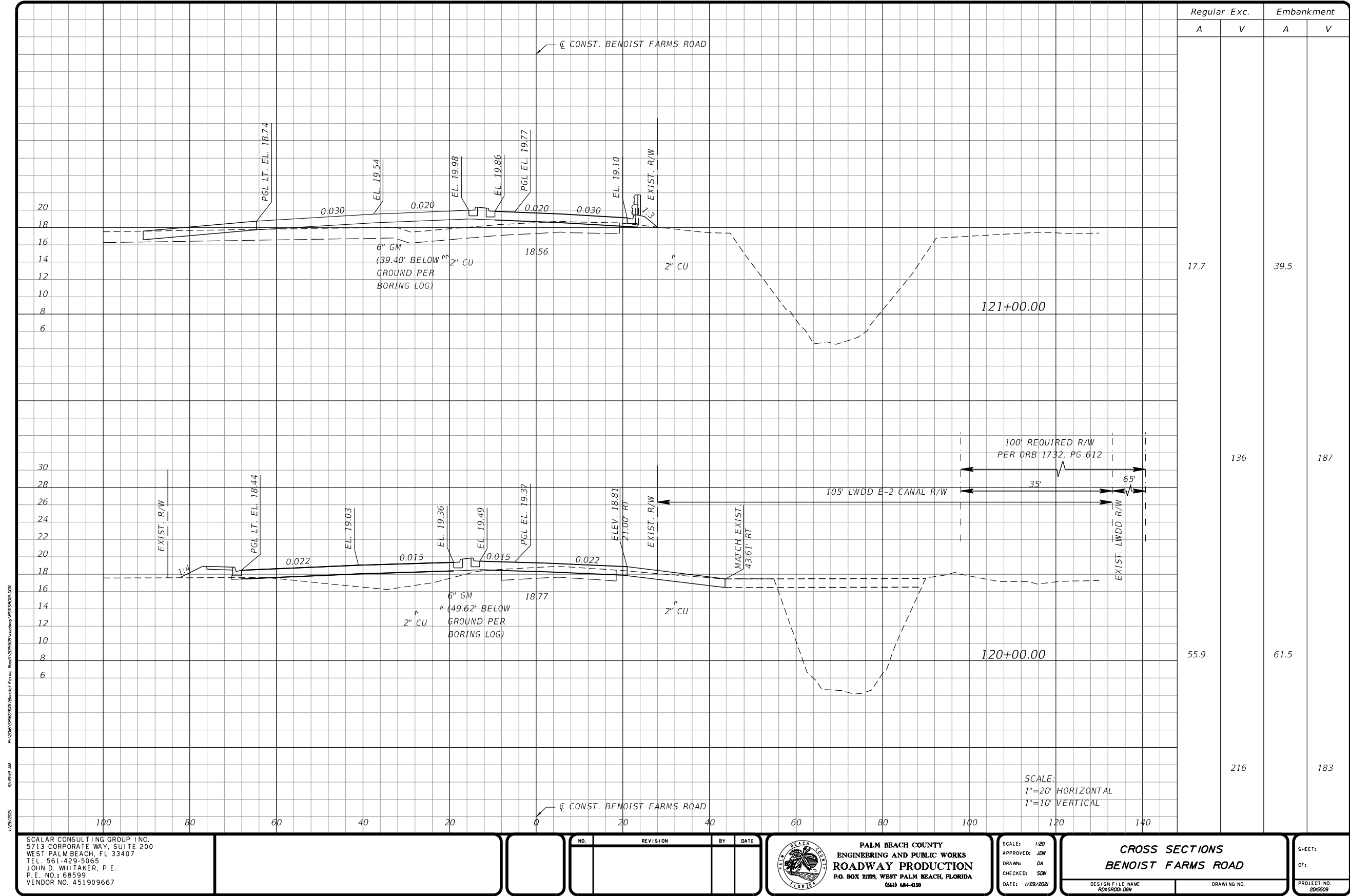
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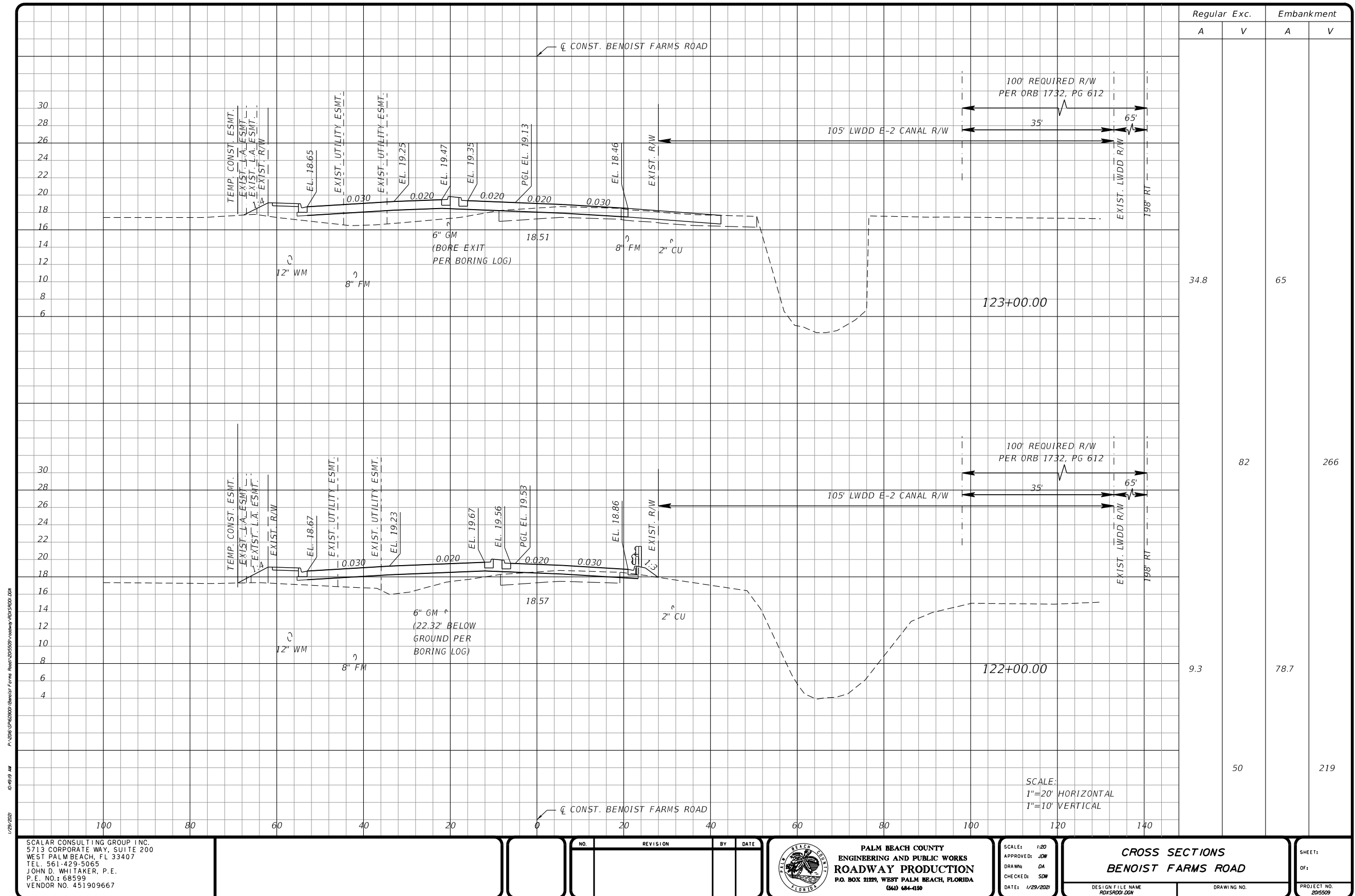
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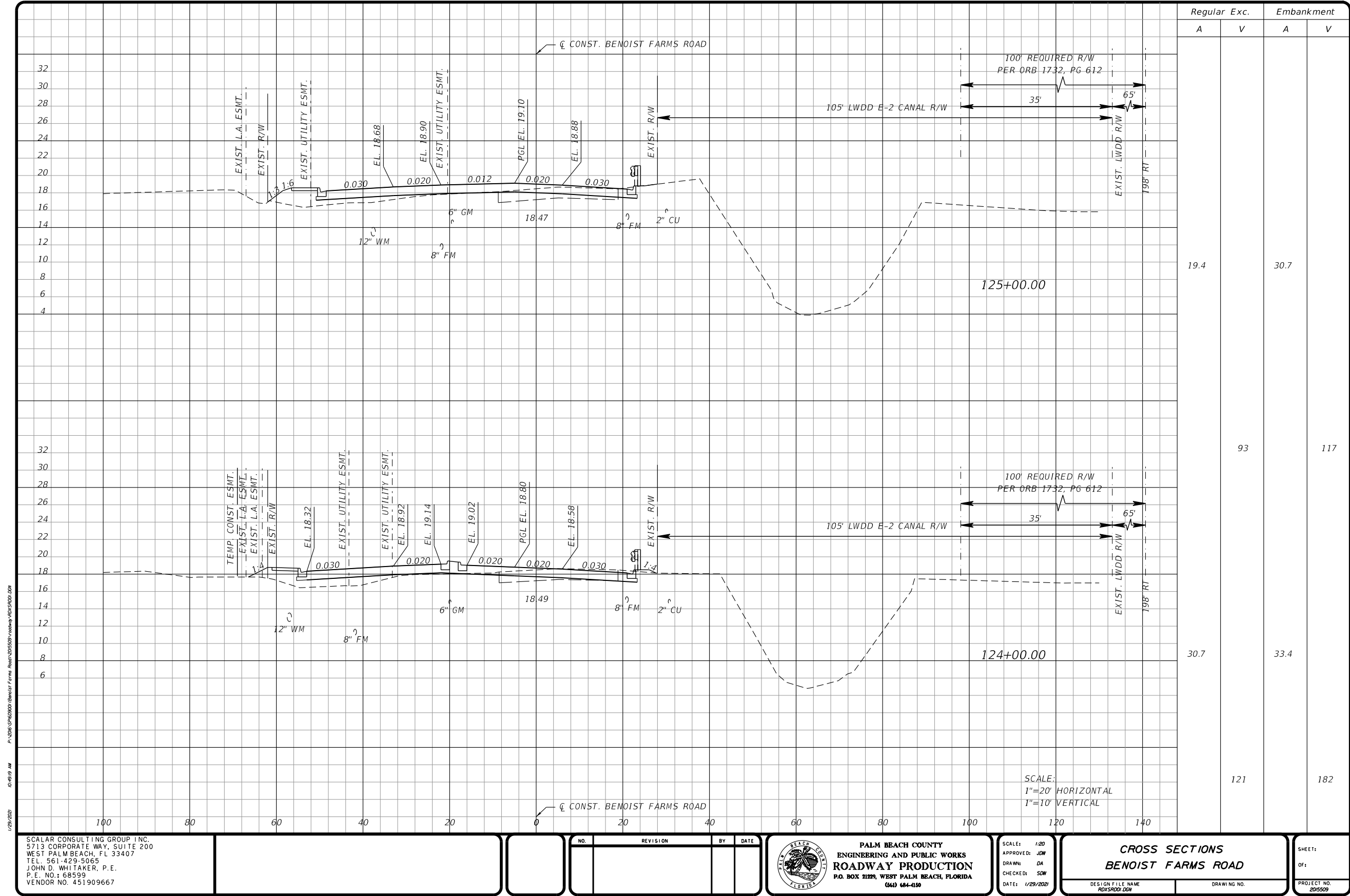
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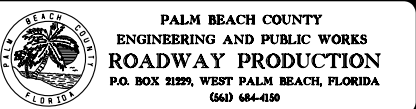
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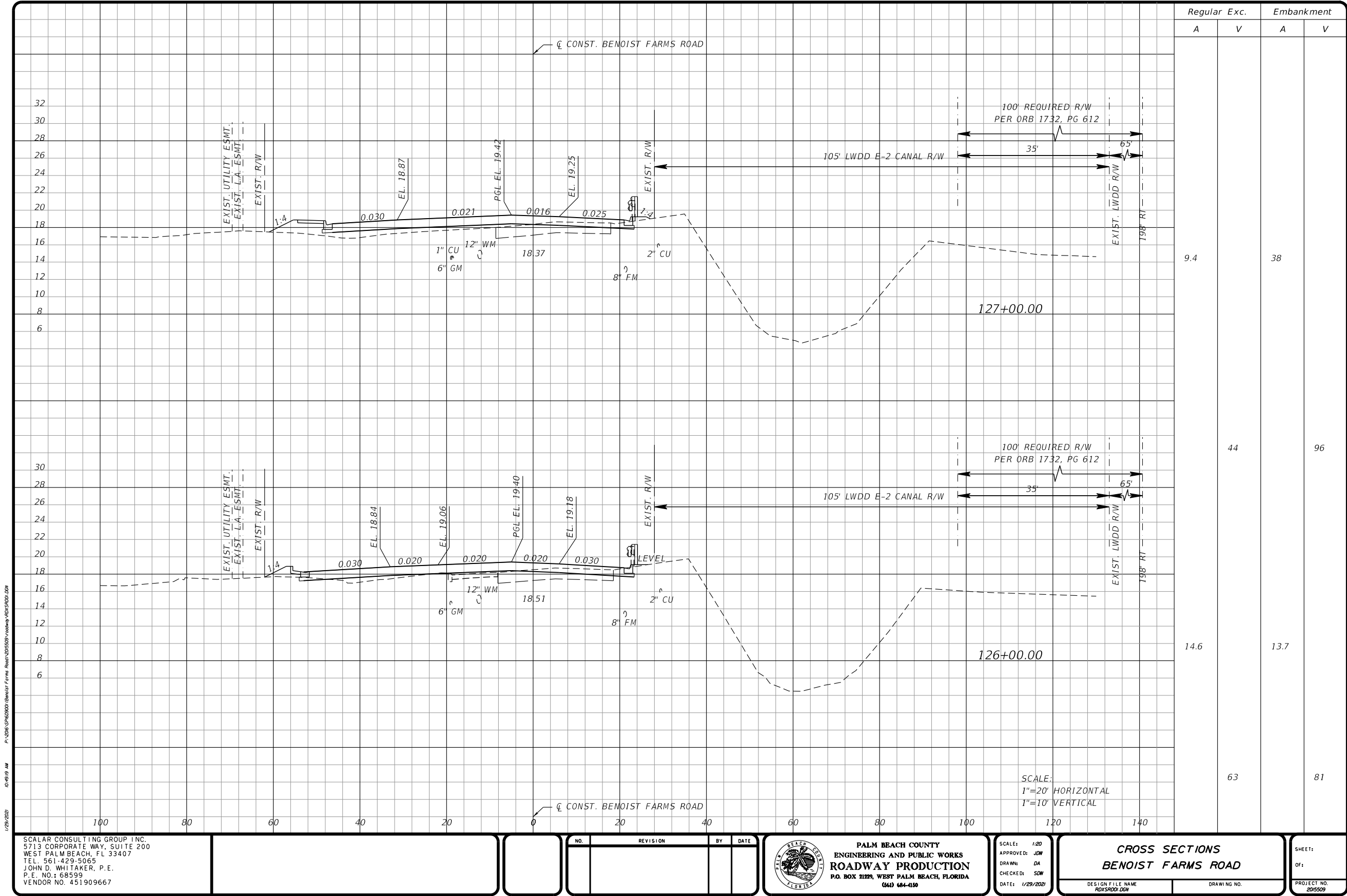


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DRAWN: DA
CHECKED: SDW
DATE: 1/29/2020

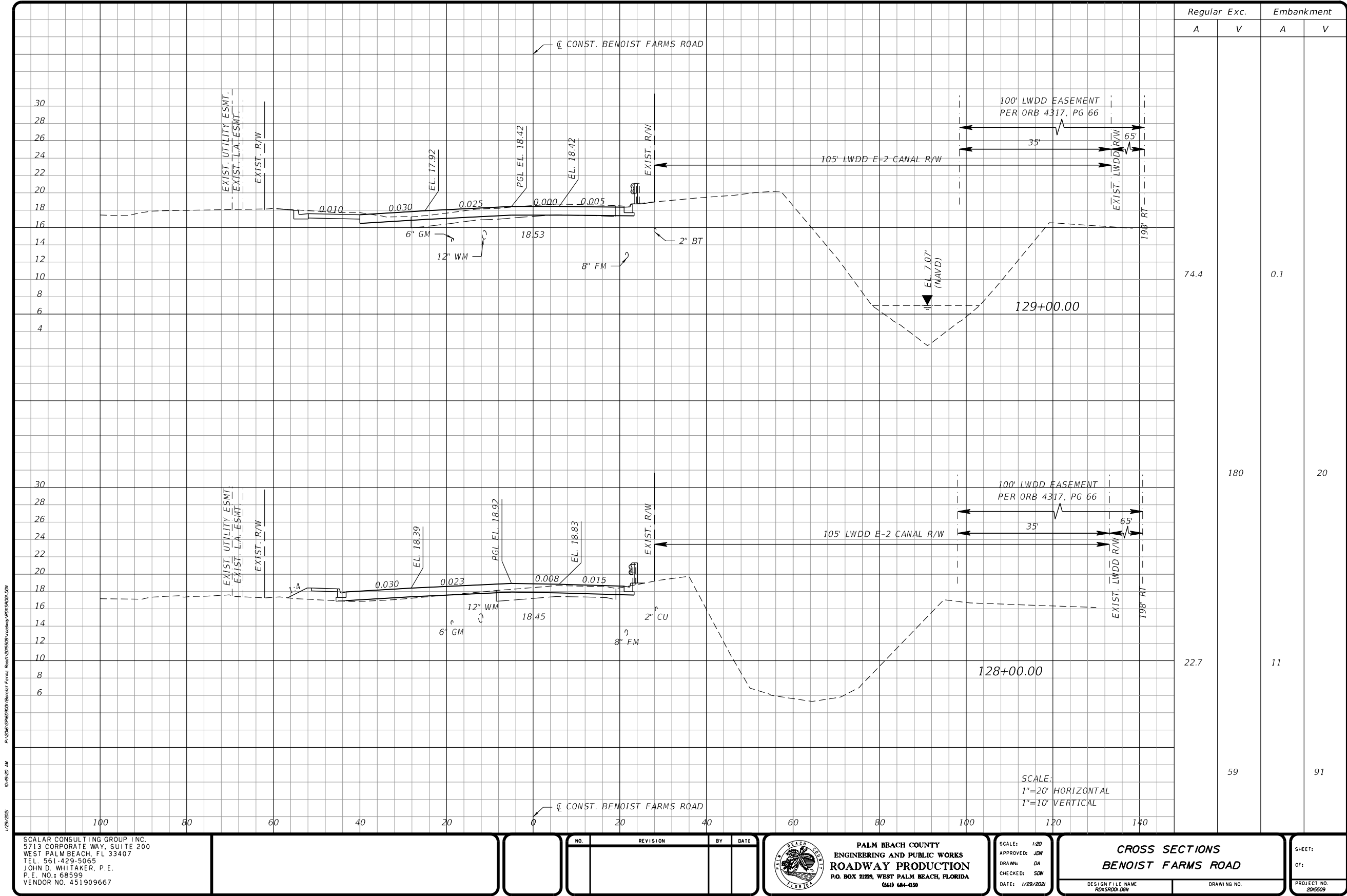
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OF: 101
PROJECT NO. 201509

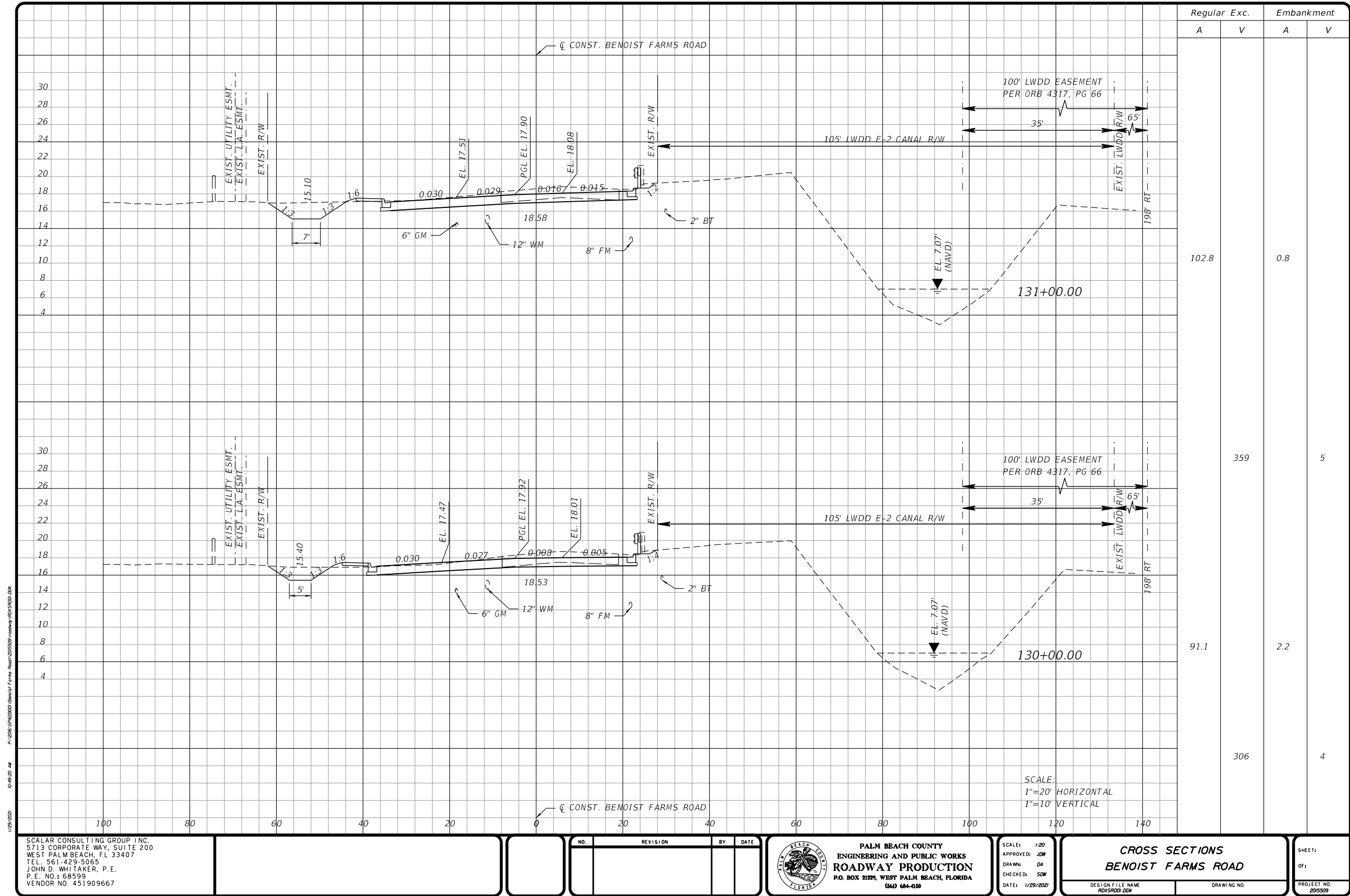
PERMITS



PERMITS



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PALM BEACH COUNTY
ENGINEERING AND PUBLIC WORKS
ROADWAY PRODUCTION
P.O. BOX 21229, WEST PALM BEACH, FLORIDA
(561) 684-4150

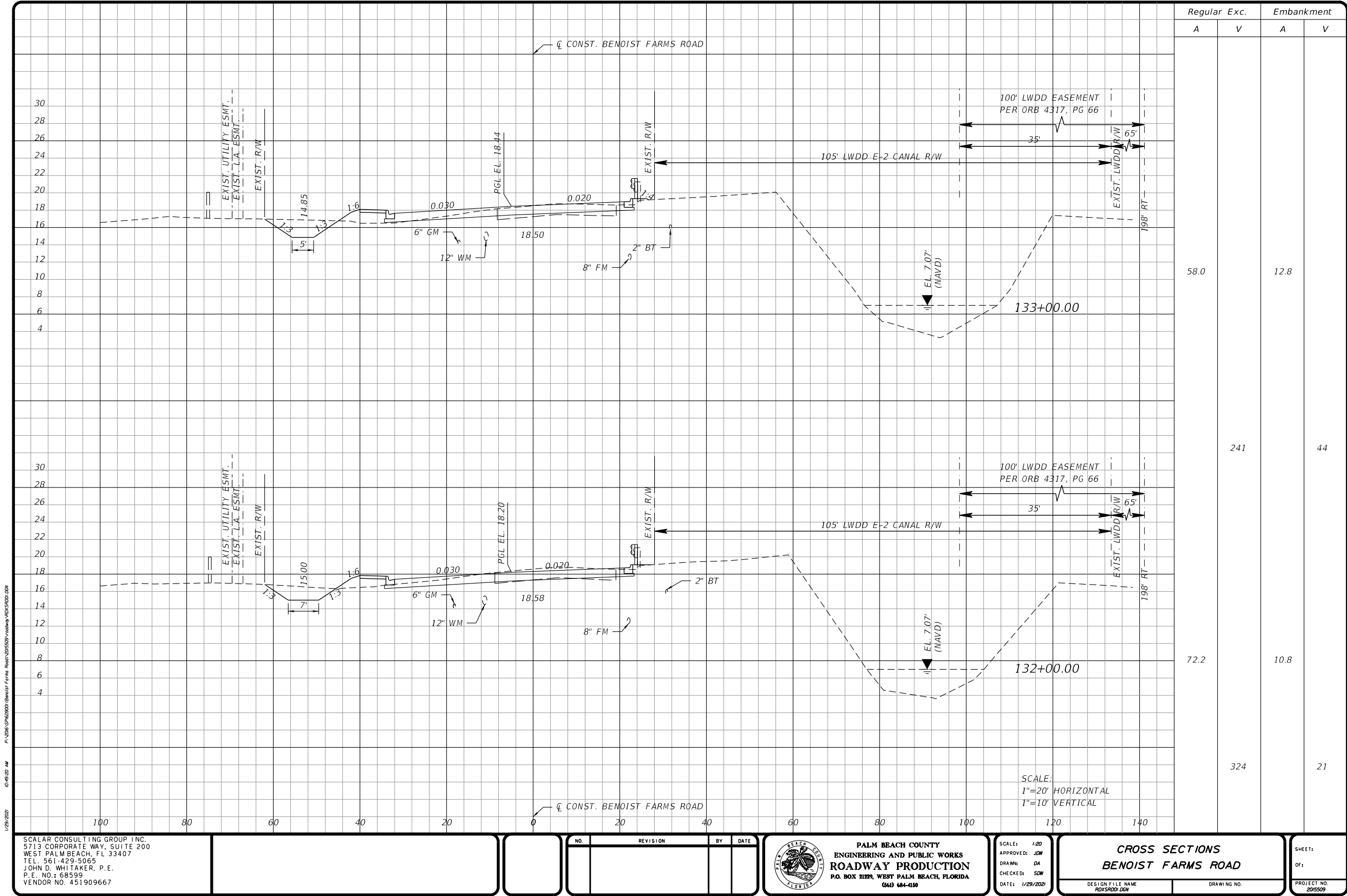
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APPROVED: JDW
DRAWN: DA
CHECKED: SDW
DATE: 1/29/2020

CROSS SECTIONS
BENOIST FARMS ROAD

DESIGN FILE NAME: RD55001.DGN
DRAWING NO.:

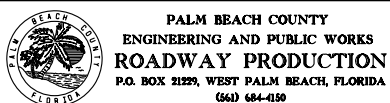
SHEET: 4
OF: 4
PROJECT NO. 201509

PERMITS



SCALAR CONSULTING GROUP INC.
5713 CORPORATE WAY, SUITE 200
WEST PALM BEACH, FL 33407
TEL. 561-429-5065
JOHN D. WHITAKER, P.E.
P.E. NO.: 68599
VENDOR NO. 451909667

NO.	REVISION	BY	DATE

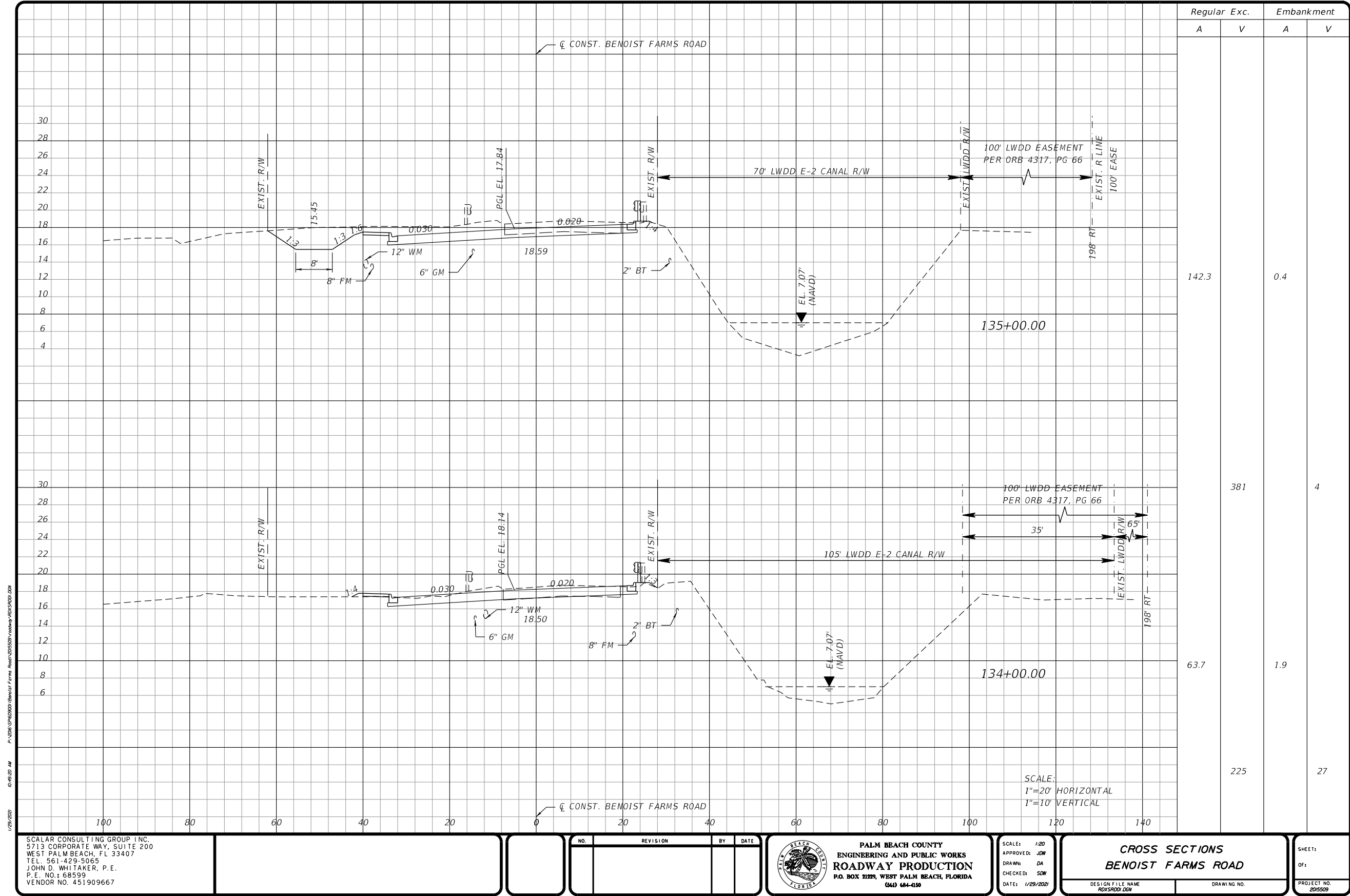


SCALE: 1/20
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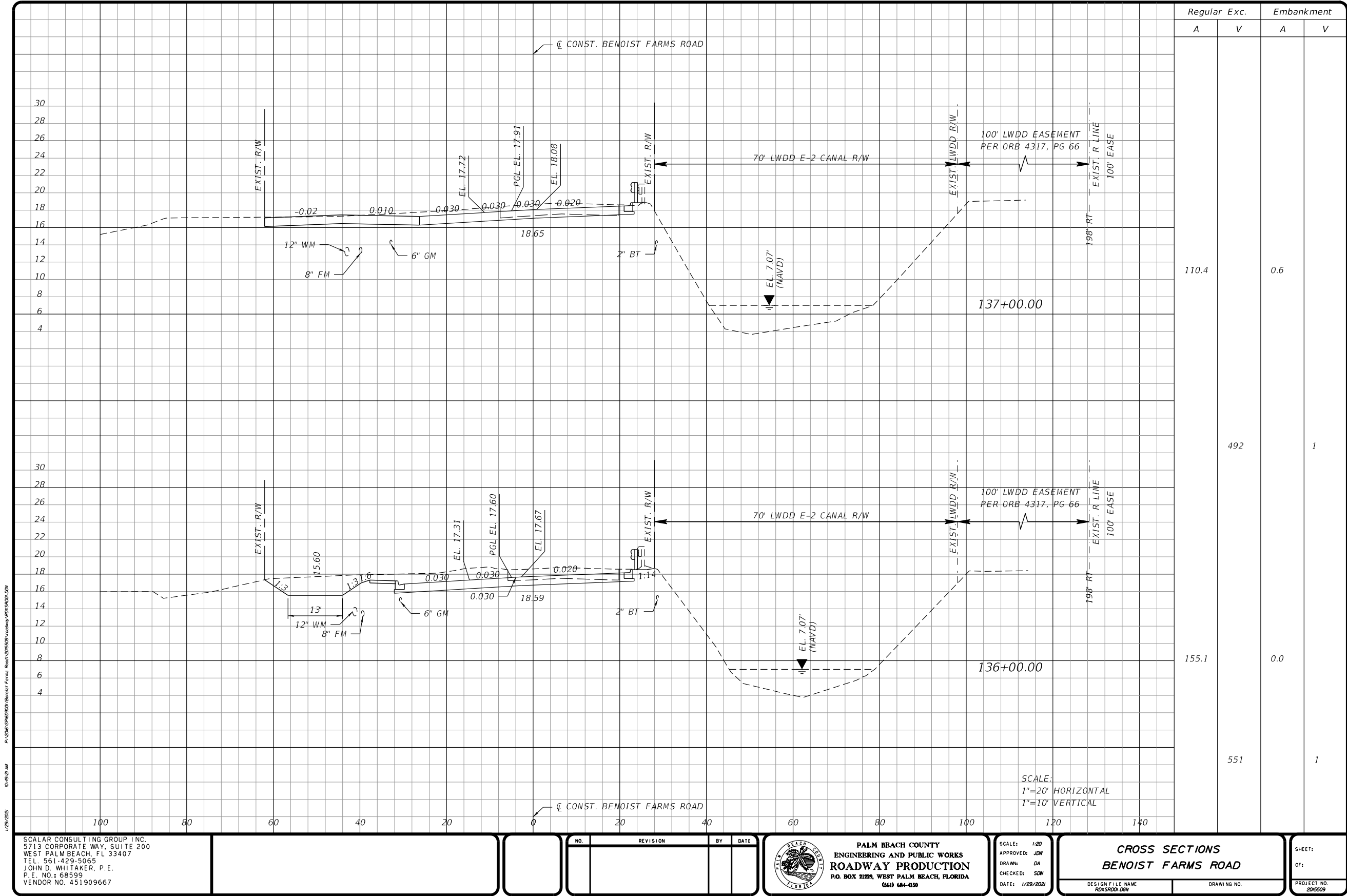
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SHEET: 105
OF: 105
PROJECT NO. 2005509

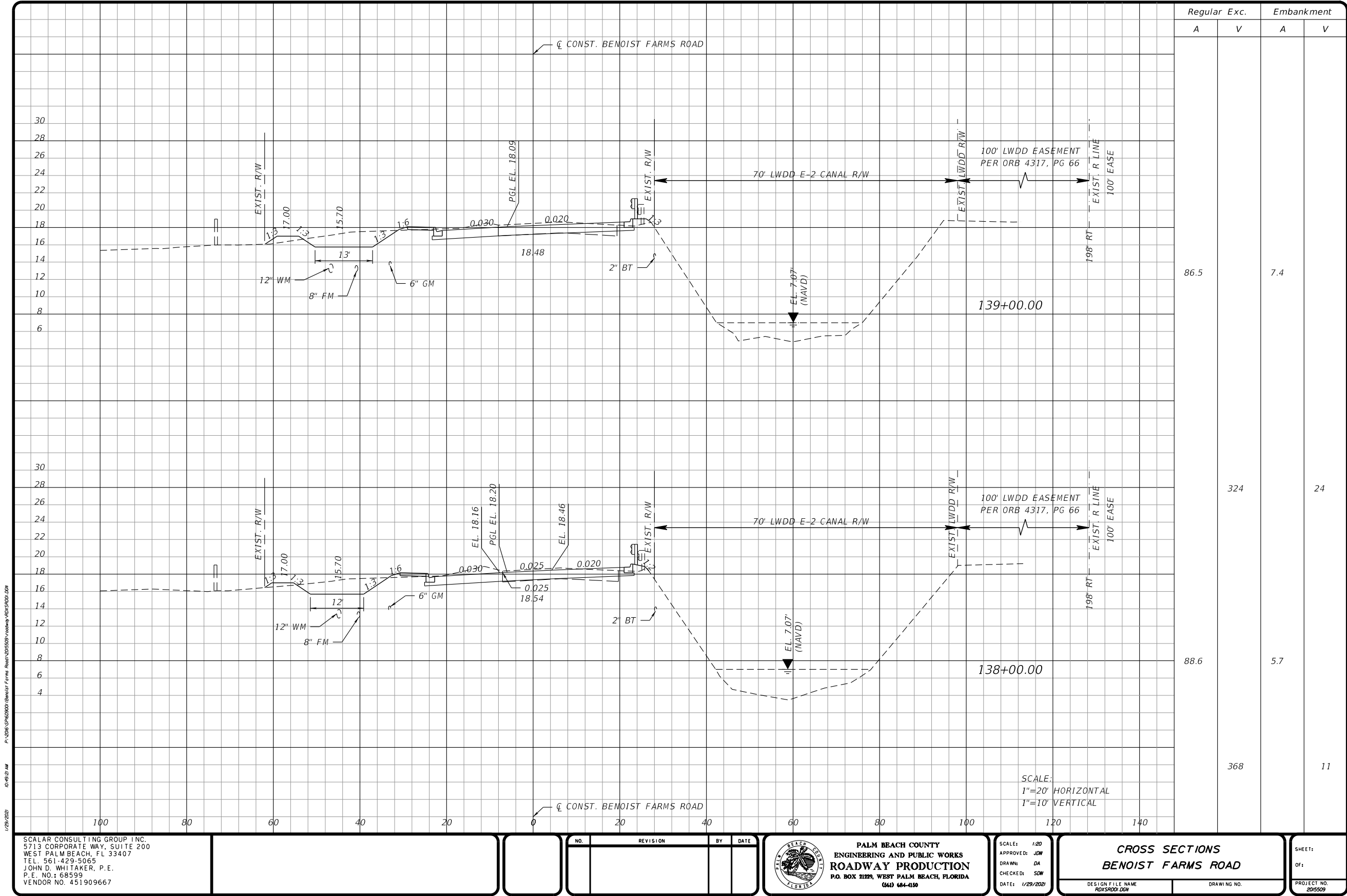
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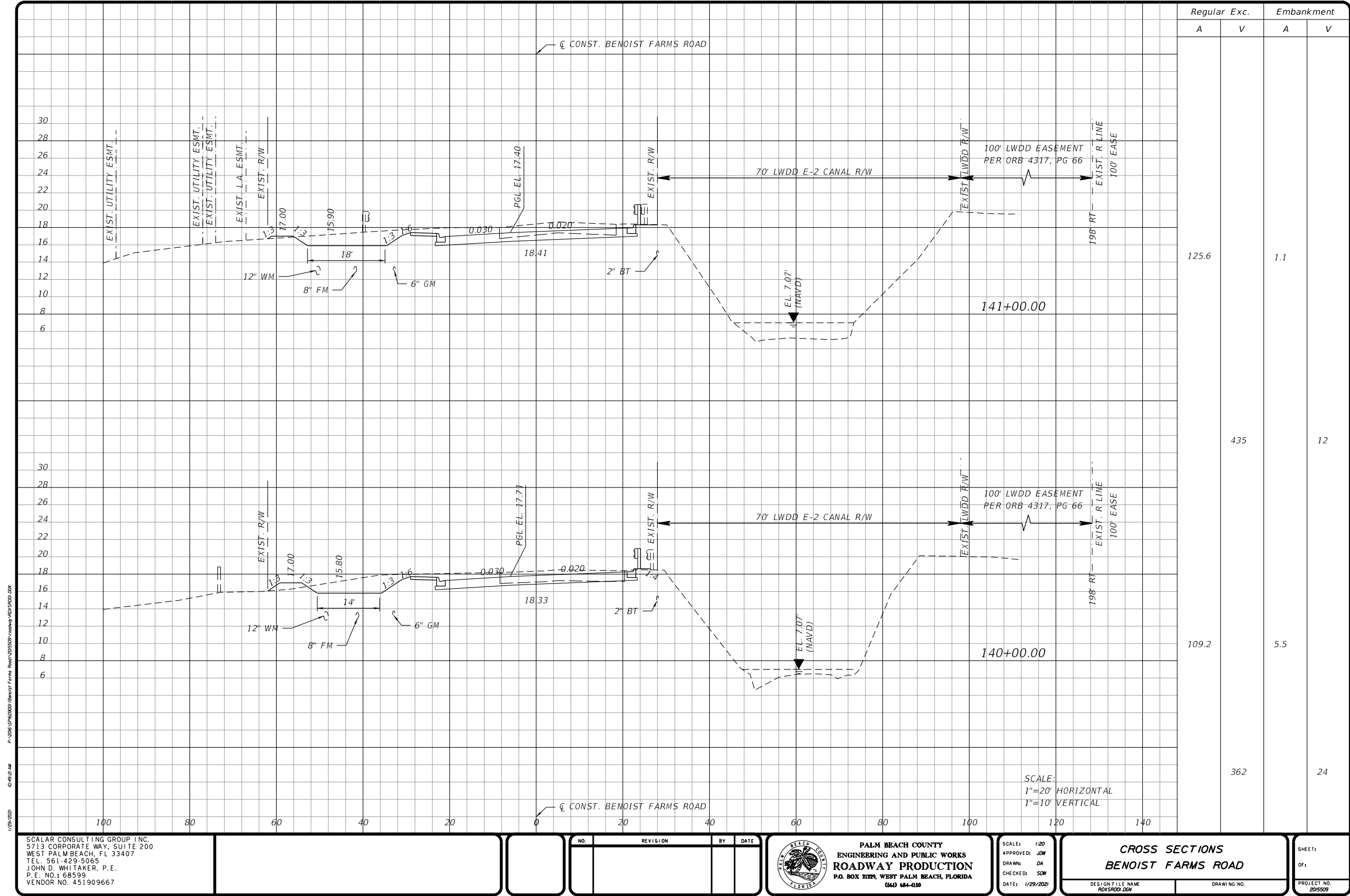
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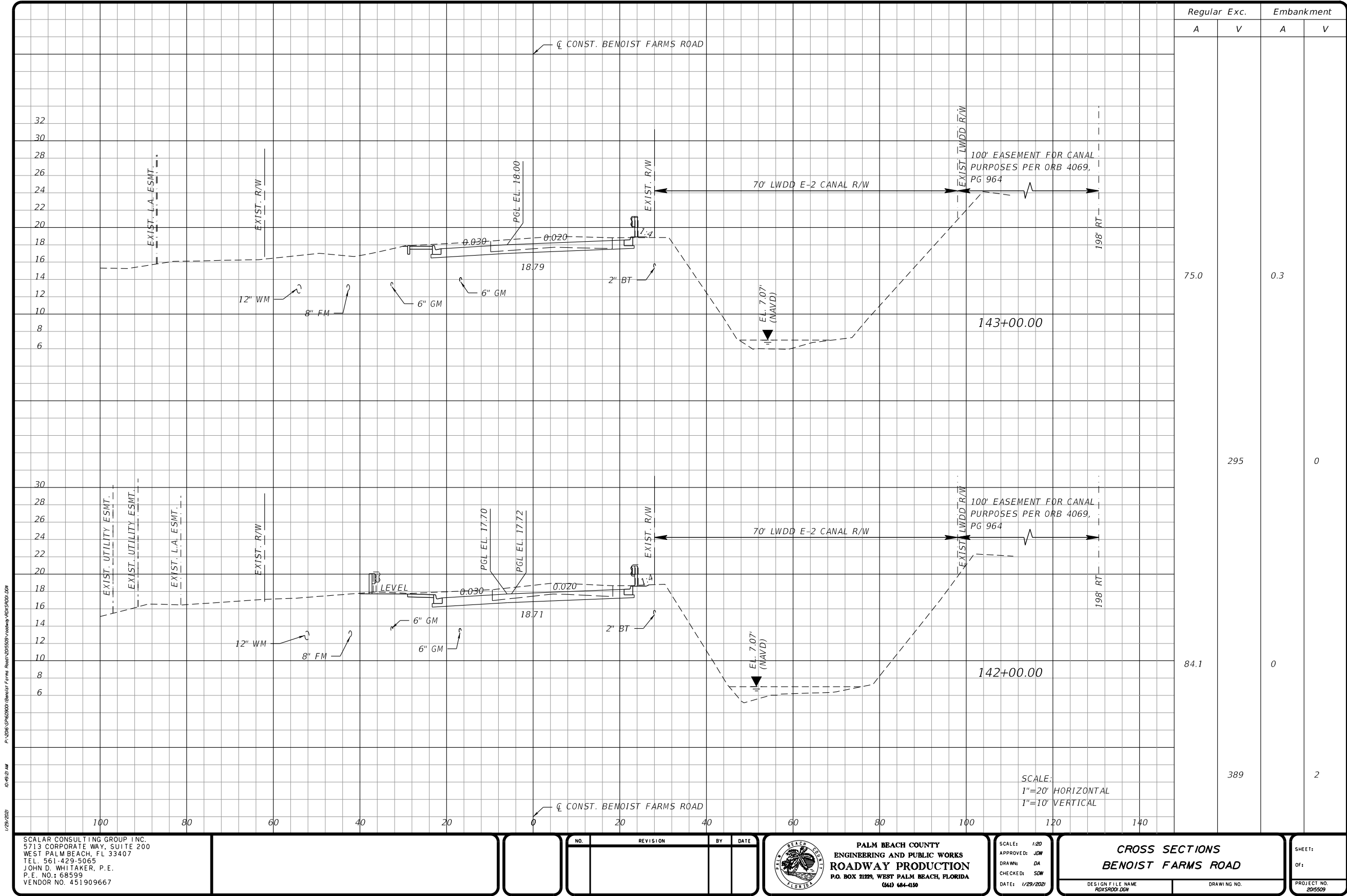
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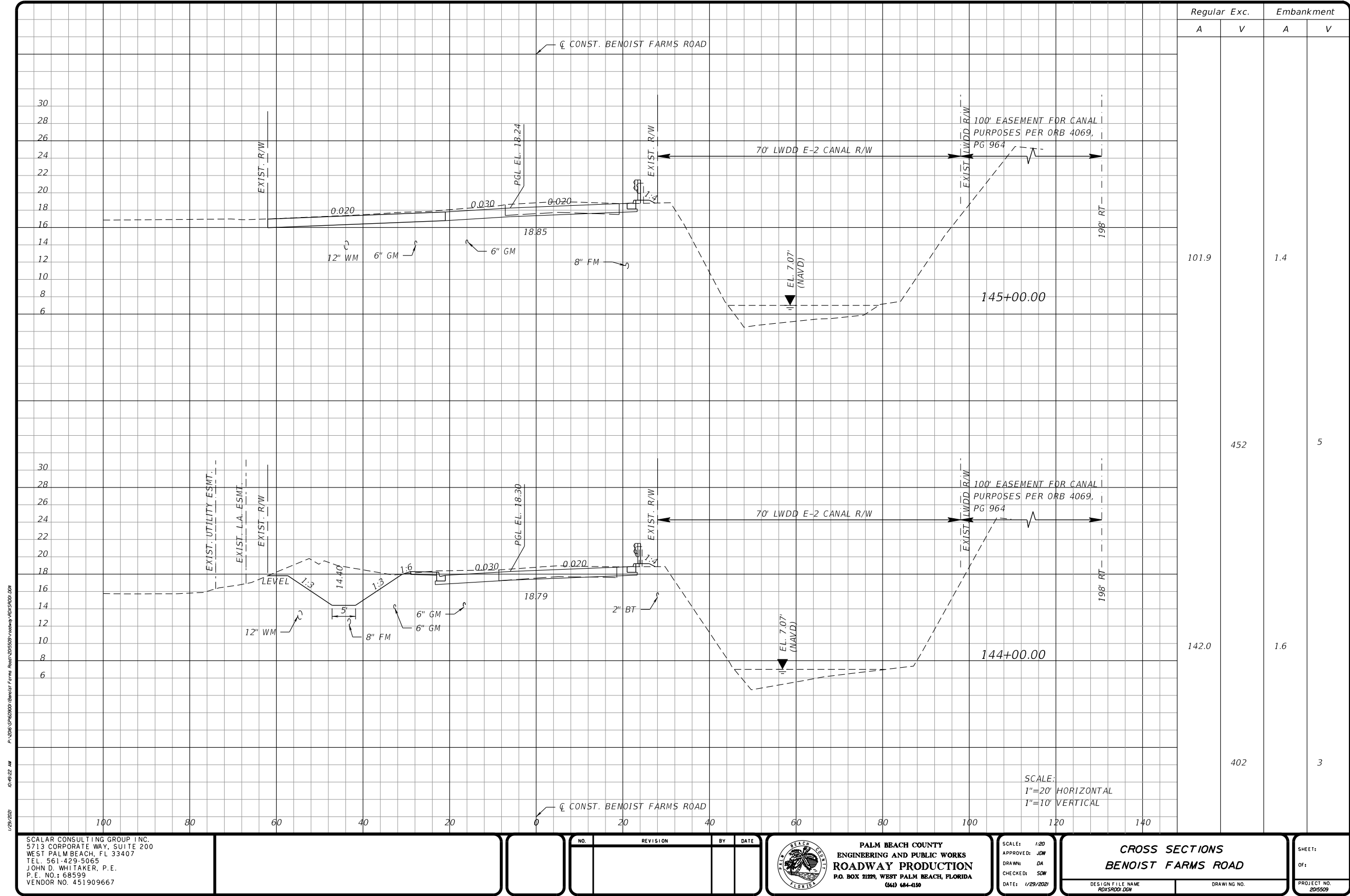
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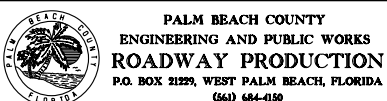
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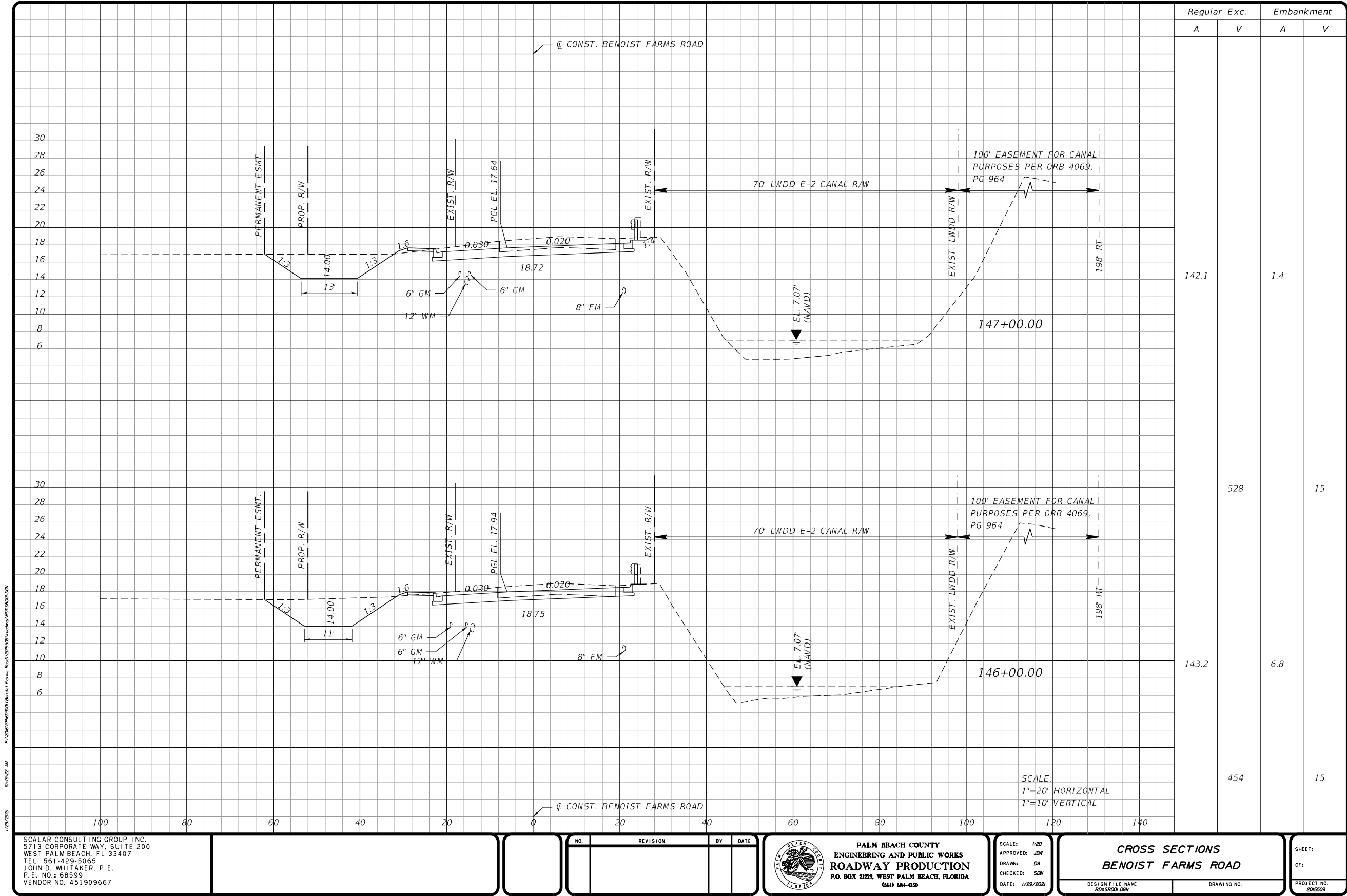


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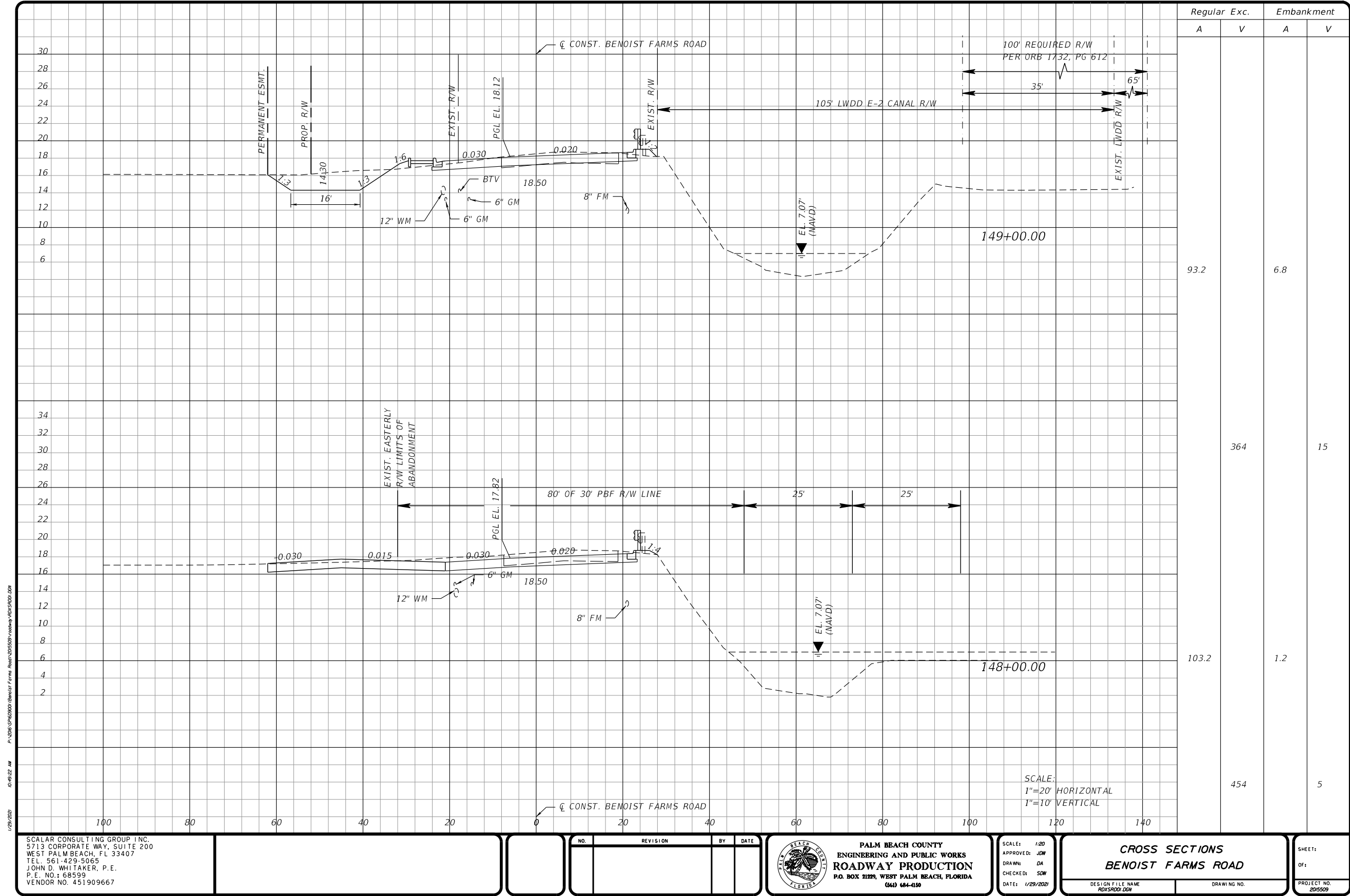
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DESIGN FILE NAME RD55001.DGN	DRAWING NO.

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201509

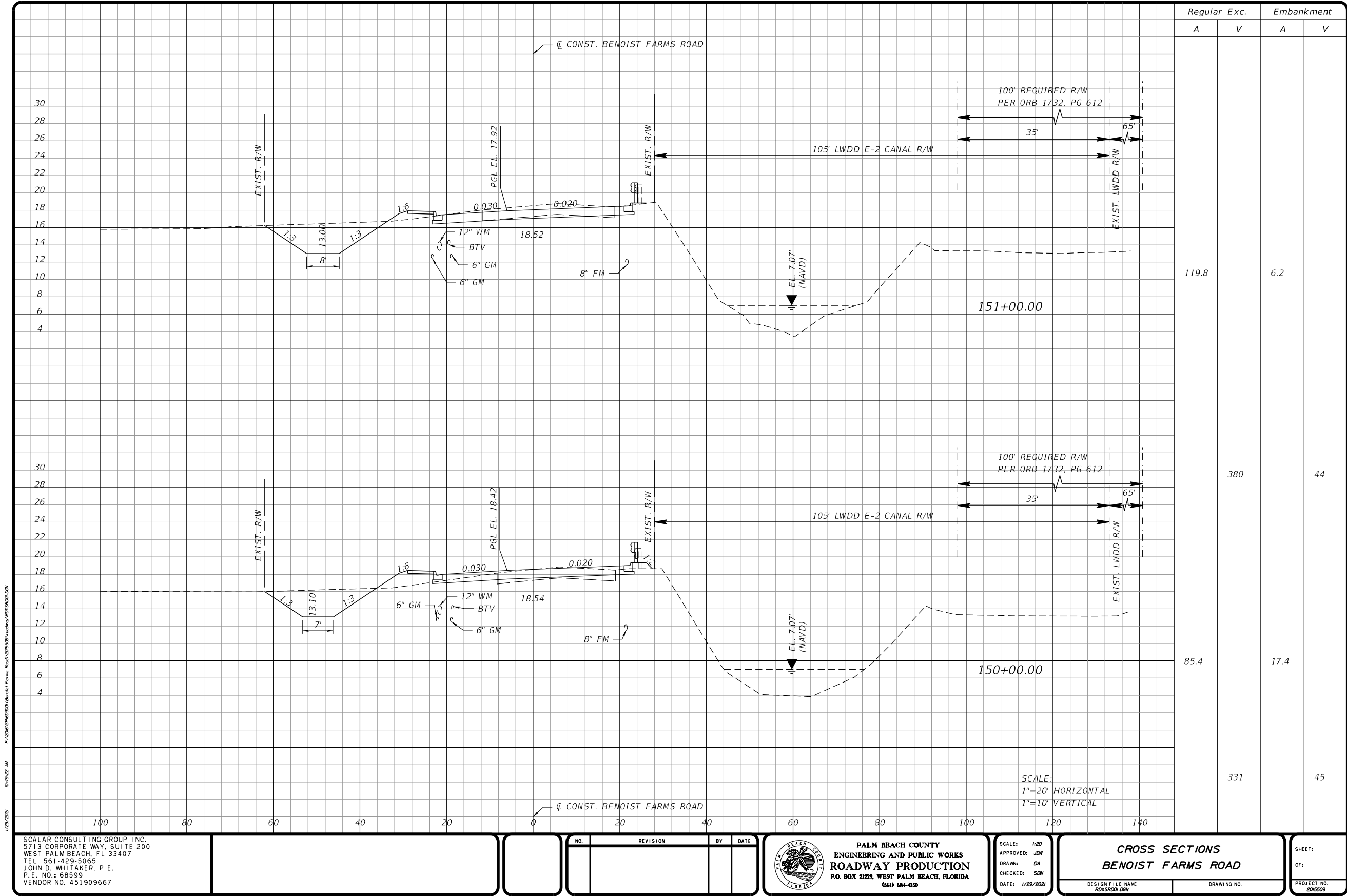
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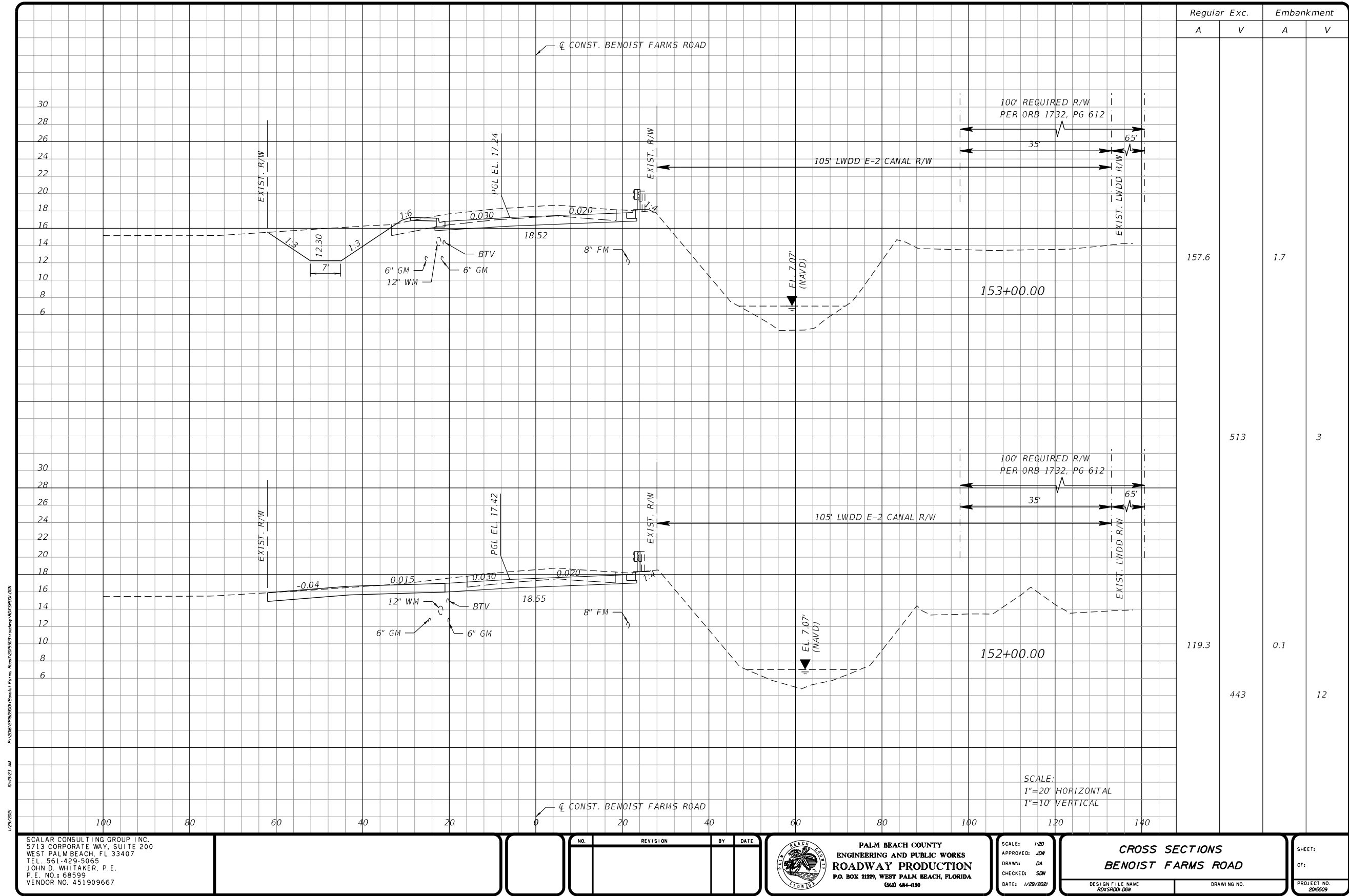
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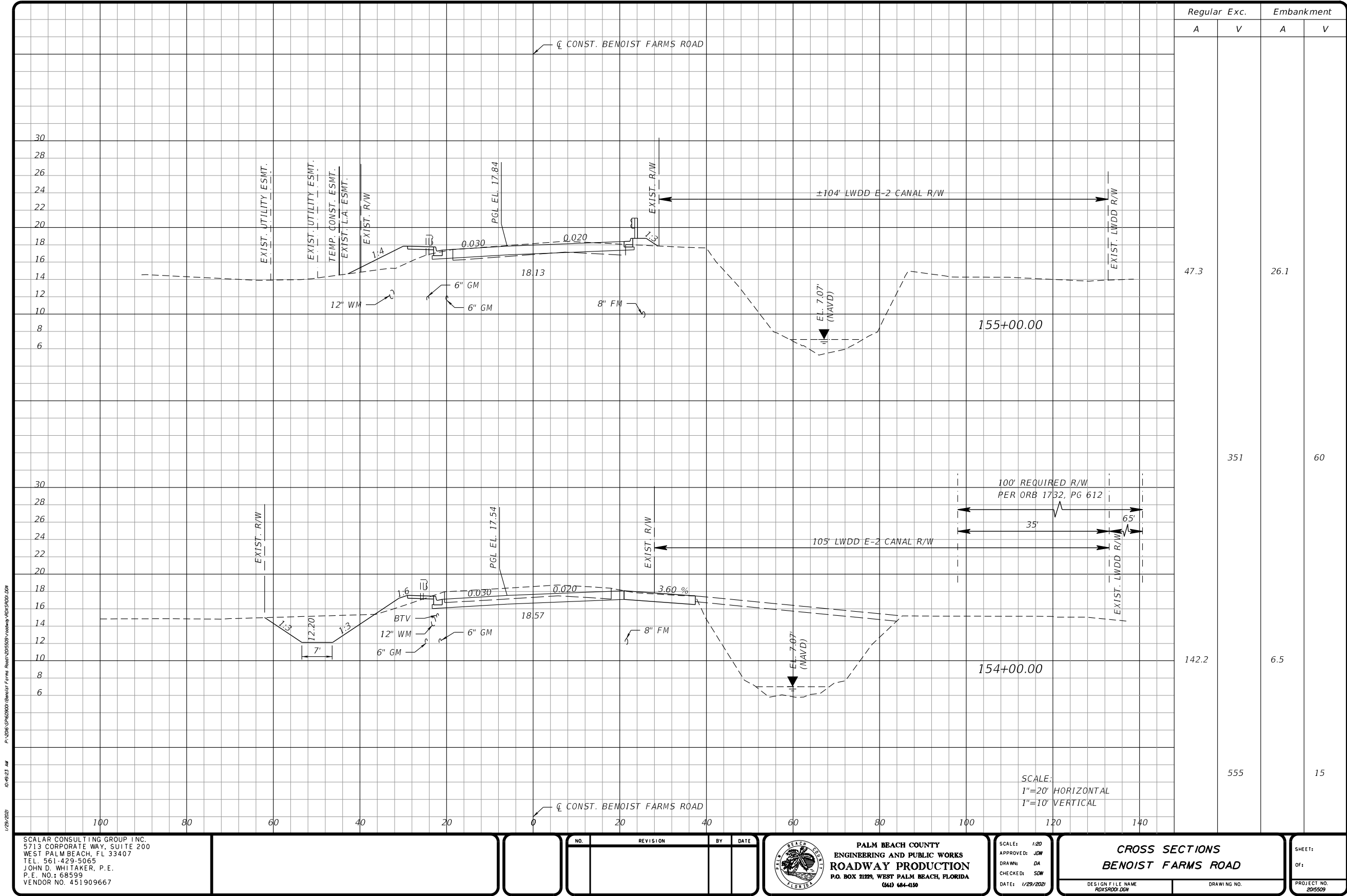
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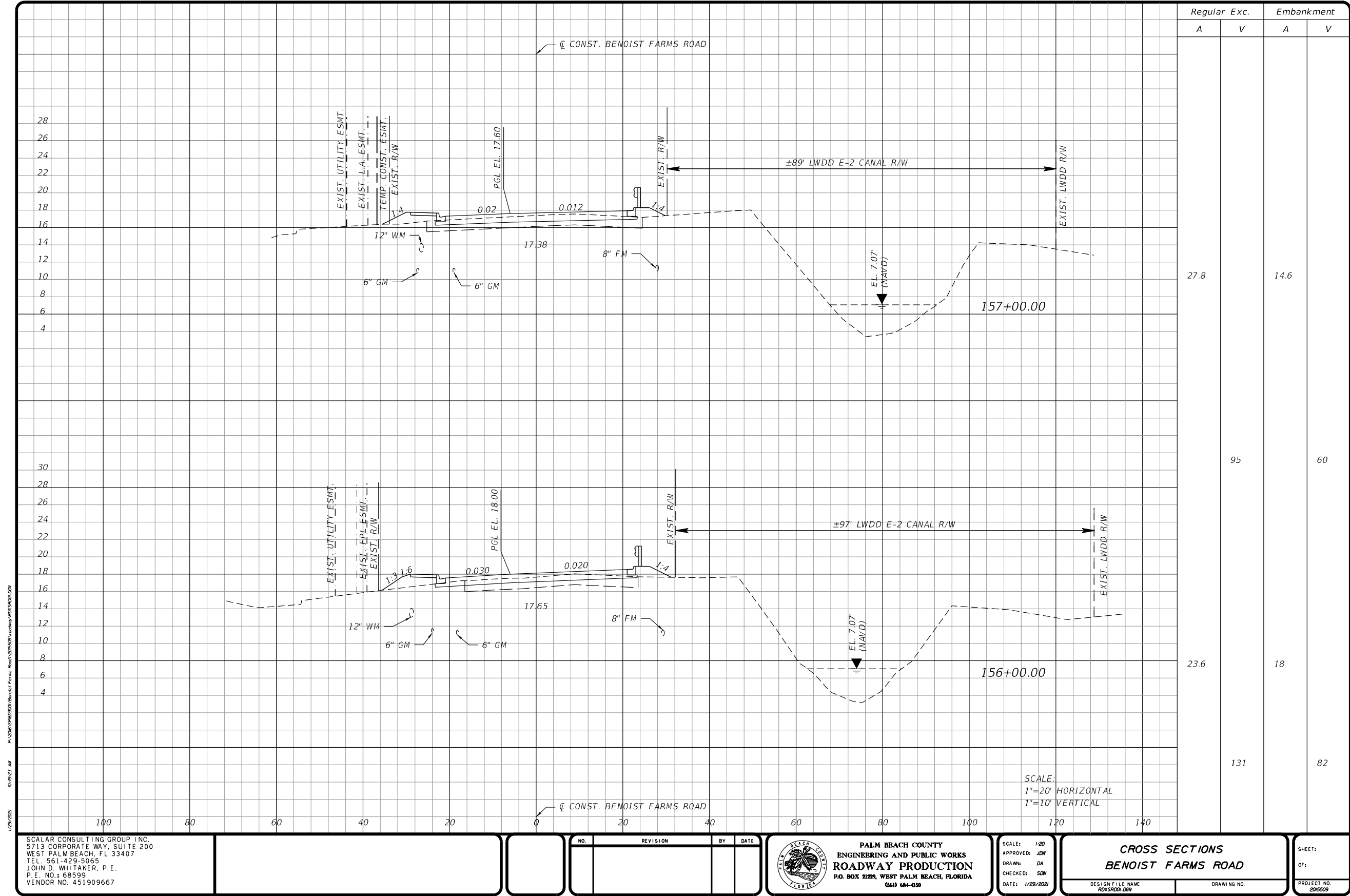
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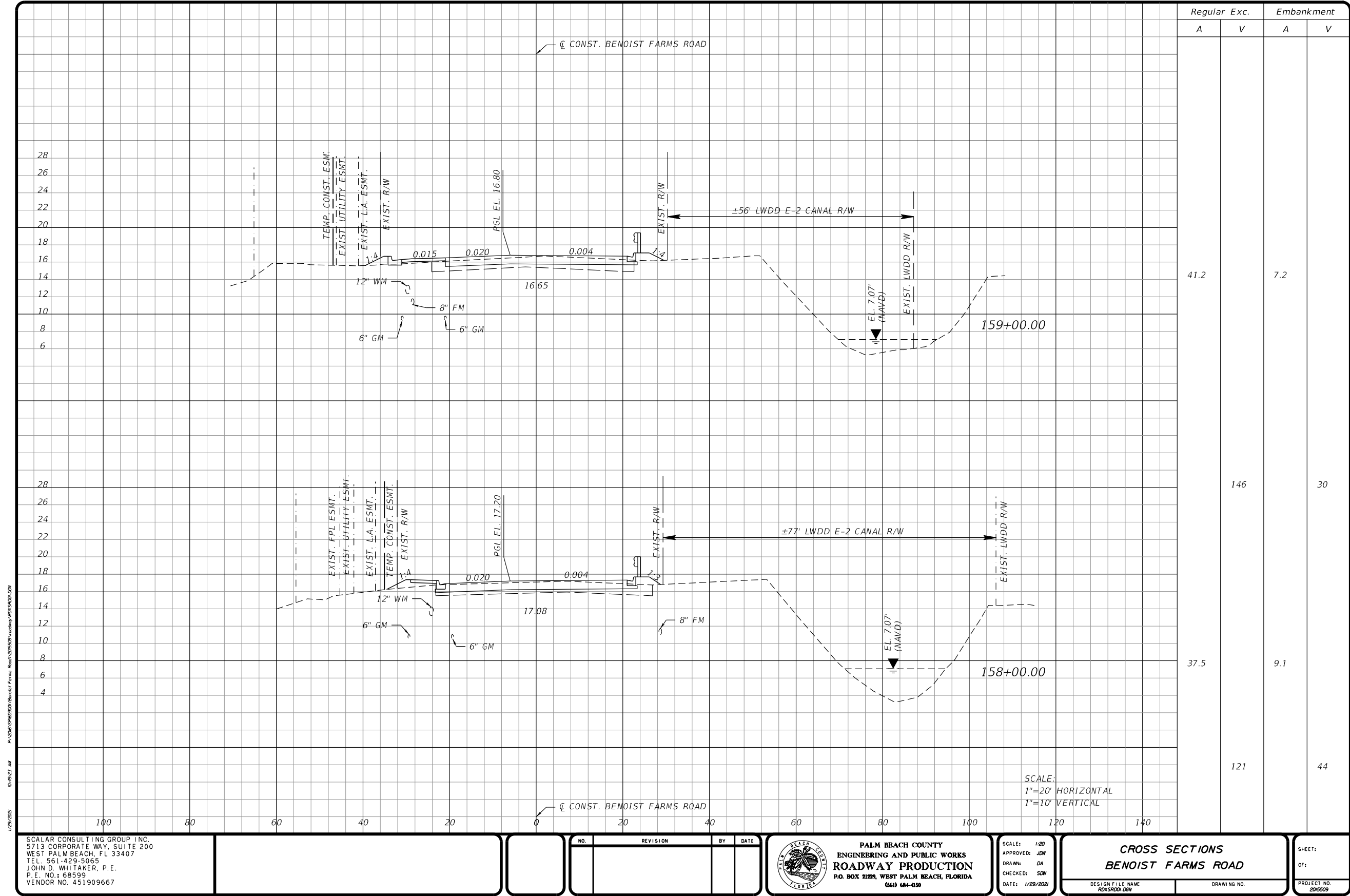
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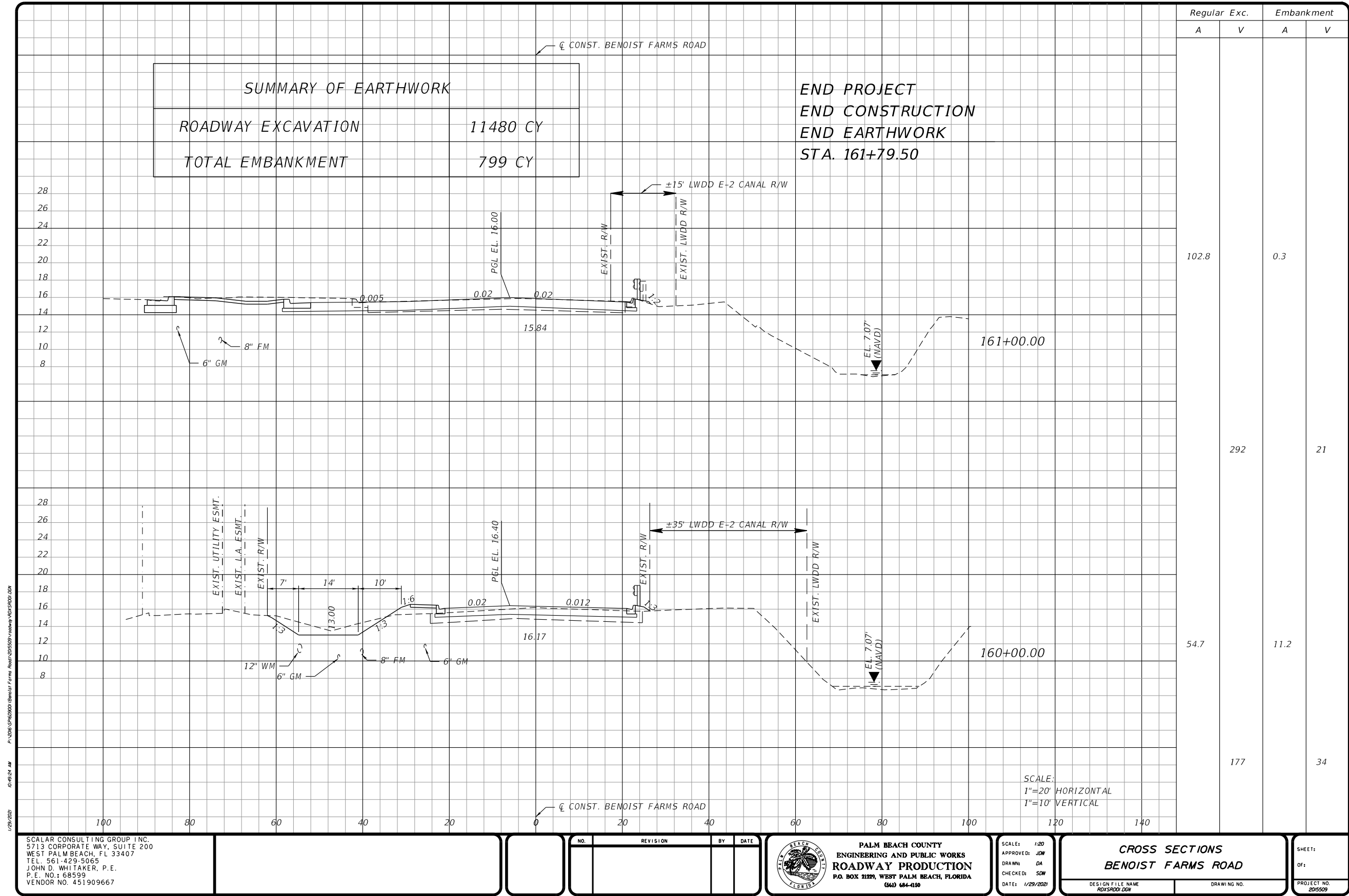
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PERMITS



PERMITS



PERMITS

1.0

SITE DESCRIPTION:

1.A.

NATURE OF CONSTRUCTION ACTIVITY:

THIS PROJECT, LOCATED IN PALM BEACH COUNTY, INVOLVES THE RECONSTRUCTION OF BENOIST FARMS ROAD. THIS INCLUDES WIDENING THE ROADWAY TO THREE LANES ALONG THE MAINLINE AND SIX LANES AT THE SR 80 INTERSECTION (NORTH APPROACH) WITH CURB AND GUTTER, SIDEWALK ON ONE SIDE, AND NEW DRAINAGE INFRASTRUCTURE. THE PROJECT EXTENDS FROM SOUTH OF SOUTHERN BOULEVARD TO BELVEDERE ROAD, A DISTANCE OF APPROXIMATELY 0.948 MILES. BENOIST FARMS ROAD IS BOUNDED ALONG IT'S EAST SIDE BY A LAKE WORTH DRAINAGE DISTRICT (LWDD) CONVEYANCE CANAL (E-2 CANAL), WHICH DRAINS THE IMMEDIATE AREAS AND FLOWS SOUTH TO THE SOUTH FLORIDA WATER MANAGEMENT DISTRICT (SFWMD) C-51 CANAL.

1.B.

SEQUENCE OF MAJOR SOIL DISTURBING ACTIVITIES:

THE FOLLOWING SEQUENCE OF MAJOR ACTIVITIES SHALL BE FOLLOWED UNLESS THE CONTRACTOR CAN PROPOSE AN ALTERNATIVE THAT IS EQUAL TO OR EXCEEDS THE EROSION AND SEDIMENT CONTROL PRACTICES DESCRIBED IN THIS DOCUMENT, AND IS APPROVED BY THE ENGINEER. THE DETAILED SEQUENCE FOR THE ENTIRE PROJECT CAN VARY SIGNIFICANTLY FROM CONTRACTOR TO CONTRACTOR. THE CONTRACTOR IS RESPONSIBLE FOR PROVIDING A DETAILED SEQUENCE OF CONSTRUCTION FOR ALL CONSTRUCTION ACTIVITIES IN THE SECTION 104 EROSION CONTROL PLAN.

1.

PLACEMENT OF ALL EROSION CONTROL DEVICES.

2.

CLEARING AND GRUBBING, EARTHWORK REQUIRED FOR STORM SEWER AND GRADE ADJUSTMENT.

3.

STORM SEWER CONSTRUCTION: ALL STORM SEWER SHALL BE CONSTRUCTED IN THE UPSTREAM DIRECTION.

4.

EARTHWORK AND CONSTRUCTION ASSOCIATED WITH ROADWAY RECONSTRUCTION.

1.C.

AREA ESTIMATES:

TOTAL SITE AREA:

9.93 ACRES

TOTAL AREA TO BE DISTURBED:

9.93 ACRES

1.D.

RUNOFF DATA:

RUNOFF COEFFICIENTS:

BEFORE: 0.57

DURING: VARIES FROM 0.57 TO 0.72

AFTER: 0.72

SOILS DATA: THE RESULTS OF THE SOIL BORINGS ALONG THE ROADWAY ARE SHOWN IN THE ROADWAY SOIL PROFILE SHEETS. IN GENERAL, THE SOILS ARE FINE SANDS.

OUTFALL INFORMATION:

THERE ARE 9 OUTFALLS.

#1 CONTROL STRUCTURE S-8

LOCATION: LATITUDE 26° 40' 51" N, LONGITUDE, 80° 10' 27" W.

EST. DRAINAGE AREA SIZE: 1.73 ACRES

RECEIVING WATER NAME: LWDD E-2 CANAL

#2 CONTROL STRUCTURE S-15

LOCATION: LATITUDE 26° 40' 54" N, LONGITUDE, 80° 10' 27" W.

EST. DRAINAGE AREA SIZE: 118 ACRES

RECEIVING WATER NAME: LWDD E-2 CANAL

#3 CONTROL STRUCTURE S-26

LOCATION: LATITUDE 26° 41' 3" N, LONGITUDE, 80° 10' 28" W.

EST. DRAINAGE AREA SIZE: 116 ACRES

RECEIVING WATER NAME: LWDD L-4 CANAL

#4 CONTROL STRUCTURE S-28

LOCATION: LATITUDE 26° 41' 4" N, LONGITUDE, 80° 10' 28" W.

EST. DRAINAGE AREA SIZE: 1.55 ACRES

RECEIVING WATER NAME: LWDD L-4 CANAL

#5 MCALLISTER OUTFALL (EXISTING)

LOCATION: LATITUDE 26° 41' 12" N, LONGITUDE, 80° 10' 27" W.

EST. DRAINAGE AREA SIZE: 0.31 ACRES

RECEIVING WATER NAME: LWDD E-2 CANAL

#6 FCW OUTFALL (EXISTING)

LOCATION: LATITUDE 26° 41' 15" N, LONGITUDE, 80° 10' 27" W.

EST. DRAINAGE AREA SIZE: 0.16 ACRES

RECEIVING WATER NAME: LWDD E-2 CANAL

#7 CONTROL STRUCTURE S-39

LOCATION: LATITUDE 26° 41' 16" N, LONGITUDE, 80° 10' 28" W.

EST. DRAINAGE AREA SIZE: 110 ACRES

RECEIVING WATER NAME: LWDD E-2 CANAL

#8 CONTROL STRUCTURE S-50

LOCATION: LATITUDE 26° 41' 24" N, LONGITUDE, 80° 10' 28" W.

EST. DRAINAGE AREA SIZE: 1.19 ACRES

RECEIVING WATER NAME: LWDD E-2 CANAL

#9 CONTROL STRUCTURE S-58

LOCATION: LATITUDE 26° 41' 30" N, LONGITUDE, 80° 10' 27" W.

EST. DRAINAGE AREA SIZE: 1.42 ACRES

RECEIVING WATER NAME: LWDD E-2 CANAL

1.E.

SITE MAP:

THE CONSTRUCTION PLANS ARE BEING USED AS THE SITE MAPS. THE LOCATION OF THE REQUIRED INFORMATION IS DESCRIBED BELOW. THE SHEET NUMBERS FOR THE PLAN SHEETS REFERENCED ARE IDENTIFIED ON THE KEY SHEET OF THESE CONSTRUCTION PLANS.

* DRAINAGE PATTERNS:

THE DRAINAGE BASIN DIVIDES AND FLOW DIRECTIONS ARE SHOWN ON THE DRAINAGE MAPS.

*APPROXIMATE SLOPES:

THE SLOPES OF THE SITE CAN BE SEEN IN THE CROSS-SECTION SHEETS AND THE PLAN-PROFILE SHEETS.

*AREAS OF SOIL DISTURBANCE:

FOR THE PURPOSE OF THIS PLAN, IT IS REASONABLE TO SAY THAT ALL AREAS OF THE PROJECT WILL BE DISTURBED DURING SOME PHASE OF CONSTRUCTION.

*AREAS NOT TO BE DISTURBED:

ESSENTIALLY THE WHOLE PROJECT WILL BE DISTURBED DURING CONSTRUCTION.

*LOCATIONS OF TEMPORARY CONTROLS:

LOCATIONS AND QUANTITIES OF TEMPORARY EROSION AND SEDIMENT CONTROL ITEMS ARE PROVIDED IN THE EROSION CONTROL PLAN SHEET.

* AREAS TO BE STABILIZED:

TEMPORARY STABILIZATION PRACTICES ARE SHOWN IN THE SAME LOCATION AS THE TEMPORARY CONTROLS MENTIONED ABOVE. PERMANENT STABILIZATION IS SHOWN ON THE TYPICAL SECTION SHEET AND THE PLAN-PROFILE SHEETS.

* SURFACE WATERS:

L.W.D.D E-2 AND L-4 CANALS AND PROPOSED DRAINAGE DITCHES WITHIN THIS PROJECT'S R/W.

* DISCHARGE POINTS TO SURFACE WATERS:

SEE BASIN DESCRIPTIONS IN SECTION 1.D ABOVE.

1.F.

RECEIVING WATERS:

L.W.D.D. L-4 AND E-2 CANALS

2.0

CONTROLS:

2.A.

EROSION AND SEDIMENT CONTROLS:

THE FOLLOWING DISCUSSION DEFINES GENERAL GUIDELINES FOR THE SEQUENCE OF CONSTRUCTION AND THE USE OF STABILIZATION STRUCTURAL PRACTICES. THE CONTRACTOR IS ALSO RESPONSIBLE FOR DOCUMENTING THIS PORTION OF THE SWPPP IN THE SECTION 104 EROSION CONTROL PLAN. AN EROSION CONTROL PLAN IS ALSO INCLUDED IN THE ROADWAY PLANS.

1.

INSTALL SOIL TRACKING PREVENTION DEVICES (STPDs) AT COMMON AREAS WHERE CONSTRUCTION VEHICLES WILL BE ENTERING AND EXITING THE CONSTRUCTION SITE.

2.

INSTALL STAKED TURBIDITY BARRIER ALONG THE EAST AND WEST RIGHT OF WAY LINE. AT NO LOCATION SHOULD BARRIER BE LOCATED OUTSIDE THE RIGHT-OF-WAY.

3.

PROTECT THE OUTFALL CONTROL STRUCTURE, HEADWALL, AND ALL STORM DRAIN INLETS IDENTIFIED IN THE PLANS USING SEDIMENT BARRIER.

4.

IMMEDIATELY AFTER CONSTRUCTING THE PAVEMENT, STABILIZE THE ENTIRE AREA BETWEEN THE EDGE OF PAVEMENT AND THE LIMITS OF EARTHWORK.

5.

THE CONTRACTOR SHALL HAVE SANDBAGS AVAILABLE AT ALL TIMES DURING ALL PIPE CONSTRUCTION TO SUBSTANTIALLY BLOCK RUNOFF IN THE TRENCH FROM ENTERING THE PIPE.

6.

INSTALL FLOATING TURBIDITY BARRIER AT POINTS OF OUTFALL INTO THE EXISTING CANAL AND MAINTAIN UNTIL ALL UPSTREAM PIPE AND STRUCTURES WORK HAS BEEN COMPLETED FOR SYSTEMS CONNECTED TO OUTFALLS.

2.A1

STABILIZATION PRACTICES:

TEMPORARY:

* ARTIFICIAL COVERINGS IN ACCORDANCE WITH SPECIFICATION SECTION 104.

* TURF AND SOD IN ACCORDANCE WITH SPECIFICATION SECTION 104.

PERMANENT:

* ASPHALT OR CONCRETE SURFACE, OR SOD IN ACCORDANCE WITH SPECIFICATION SECTION 570.

2.A.2

STRUCTURAL PRACTICES:

TEMPORARY:

* SEDIMENT BARRIERS IN ACCORDANCE WITH THE STATE EROSION AND SEDIMENT CONTROL MANUAL AND SPECIFICATION SECTION 104.


* INLET PROTECTION IN ACCORDANCE WITH THE STATE EROSION AND SEDIMENT CONTROL MANUAL.

PERMANENT:

* SOD.

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VENDOR NO. 451909667

NO.	REVISION	BY	DATE



PALM BEACH COUNTY

ENGINEERING AND PUBLIC WORKS

ROADWAY PRODUCTION

P.O. BOX 21229, WEST PALM BEACH, FLORIDA

(561) 684-4150

SCALE: NPS

APPROVED: JOW

DRAWN: DA

CHECKED: SDW

DATE: 1/29/2021

STORMWATER POLLUTION PREVENTION PLAN

DESIGN FILE NAME: SWPPP001.DGN

DRAWING NO.

SHEET: 1

OF: 1

PROJECT NO. 2005509

PER-120

PERMITS

2.B STORMWATER MANAGEMENT:

2.C OTHER CONTROLS:

2.C.1 WASTE DISPOSAL:

THE CONTRACTOR IS SOLELY RESPONSIBLE FOR DOCUMENTING THIS PORTION OF THE SWPPP IN THE SECTION 104 EROSION CONTROL PLAN.

2.C.2 OFF-SITE VEHICLE TRACKING & DUST CONTROL:

SOIL TRACKING PREVENTION DEVICES WILL BE INSTALLED AT ALL LOCATIONS WHERE CONSTRUCTION VEHICLES WILL BE CARRYING SOIL AWAY FROM THE PROJECT SITE. IN ADDITION, CONSTRUCTION VEHICLES WILL BE REQUIRED TO COVER THEIR LOADS TO MINIMIZE LOSS OF LOAD INTO THE AIR. THE CONTRACTOR IS ALSO RESPONSIBLE FOR DOCUMENTING THIS PORTION OF THE SWPPP IN THE SECTION 104 EROSION CONTROL PLAN.

2.C.3 STATE AND LOCAL REGULATIONS FOR WASTE DISPOSAL, SANITARY SEWER, OR SEPTIC TANK REGULATIONS:

IN THE SECTION 104 EROSION CONTROL PLAN, THE CONTRACTOR SHALL DESCRIBE THE PROPOSED PROCEDURES TO COMPLY WITH APPLICABLE STATE AND LOCAL REGULATIONS FOR WASTE DISPOSAL, AND SANITARY SEWER OR SEPTIC SYSTEMS.

2.C.4 FERTILIZERS AND PESTICIDES:

IN THE SEDIMENT AND EROSION CONTROL PLAN, THE CONTRACTOR SHALL DESCRIBE THE PROCEDURES FOR APPLYING FERTILIZERS AND PESTICIDES. THE PROPOSED PROCEDURES SHALL COMPLY WITH APPLICABLE SUBSECTIONS OF SECTION 570 OF THE SPECIFICATIONS.

2.C.5 TOXIC SUBSTANCES:

IN THE SEDIMENT AND EROSION CONTROL PLAN, THE CONTRACTOR SHALL PROVIDE A LIST OF TOXIC SUBSTANCES THAT ARE LIKELY TO BE USED ON THE JOB AND PROVIDE A PLAN ADDRESSING THE GENERATION, APPLICATION, MIGRATION, STORAGE, AND DISPOSAL OF THESE SUBSTANCES.

2.C.6 APPROVED STATE AND LOCAL PLANS AND PERMITS:

SOUTH FLORIDA WATER MANAGEMENT DISTRICT (SFWMD) - ENVIRONMENTAL RESOURCE PERMIT # TBD

LAKE WORTH DRAINAGE DISTRICT (LWDD) – DRAINAGE PERMIT # TBD

FLORIDA DEPARTMENT OF ENVIRONMENTAL PROTECTION NPDES PERMIT

3.0 MAINTENANCE:

* SILT FENCE: MAINTAIN PER SECTION 104. THE CONTRACTOR SHOULD ANTICIPATE REPLACING SILT FENCE ON 12 MONTH INTERVALS.

* SEDIMENT BARRIERS: REMOVE SEDIMENT AS PER MANUFACTURER'S RECOMMENDATIONS OR WHEN WATER PONDS IN UNACCEPTABLE AMOUNTS OR AREAS.

4.0 INSPECTIONS:

QUALIFIED PERSONNEL SHALL INSPECT THE FOLLOWING ITEMS AT LEAST ONCE EVERY SEVEN CALENDAR DAYS AND WITHIN 24 HOURS OF THE END OF A STORM THAT IS 0.50 INCHES OR GREATER. TO COMPLY, THE CONTRACTOR SHALL INSTALL AND MAINTAIN RAIN GAUGES AND RECORD THE DAILY RAINFALL. WHERE SITES HAVE BEEN PERMANENTLY STABILIZED, INSPECTIONS SHALL BE CONDUCTED AT LEAST ONCE EVERY MONTH. THE CONTRACTOR SHALL ALSO INSPECT THAT CONTROLS INSTALLED IN THE FIELD AGREE WITH THE LATEST STORMWATER POLLUTION PREVENTION PLAN.

* POINTS OF DISCHARGE TO WATERS OF THE UNITED STATES.

* POINTS OF DISCHARGE TO MUNICIPAL SEPARATE STORM DRAIN SYSTEMS.

* DISTURBED AREAS OF THE SITE THAT HAVE NOT BEEN FINALLY STABILIZED.

* AREAS USED FOR STORAGE OF MATERIALS EXPOSED TO PRECIPITATION.

* STRUCTURAL CONTROLS.

* STORMWATER MANAGEMENT SYSTEMS.

* LOCATIONS WHERE VEHICLES ENTER OR EXIT THE SITE.

THE CONTRACTOR SHALL INITIATE REPAIRS WITHIN 24 HOURS OF INSPECTIONS THAT INDICATE ITEMS ARE NOT IN GOOD WORKING ORDER.

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 APPROVED BY THE ENGINEER.

5.0 NON-STORMWATER DISCHARGES:

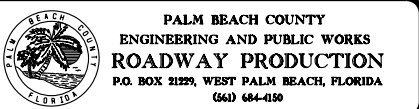
IN THE SECTION 104 EROSION CONTROL PLAN, THE CONTRACTOR SHALL IDENTIFY ALL ANTICIPATED NON-STORMWATER DISCHARGES (EXCEPT FLOWS FROM FIRE FIGHTING ACTIVITIES). THE CONTRACTOR SHALL DESCRIBE THE PROPOSED MEASURES TO PREVENT POLLUTION OF THESE NON-STORMWATER DISCHARGES.

IF CONTAMINATED SOIL OR GROUNDWATER IS ENCOUNTERED, OPERATIONS SHALL CEASE IN THAT AREA. PBC PROJECT ENGINEER SHALL BE CONTACTED, WHO WILL THEN NOTIFY THE PBC CONTAMINATION IMPACT COORDINATOR.

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WEST PALM BEACH, FL 33407
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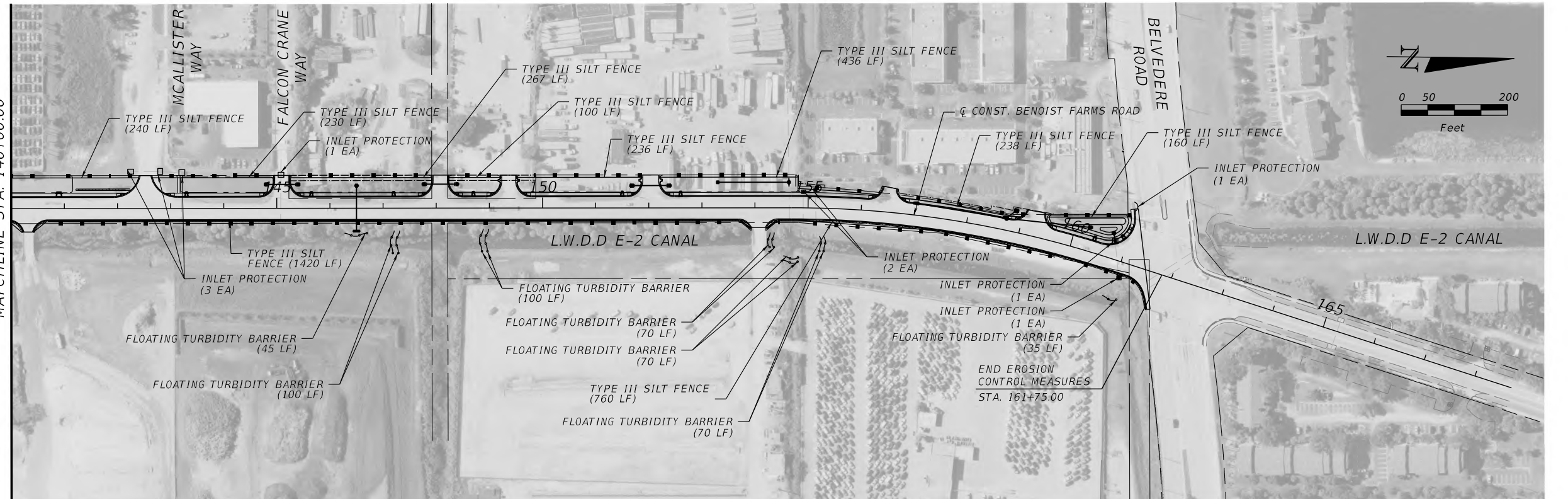


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APPROVED:	JDW
DRAWN:	DA
CHECKED:	SDW
DATE:	1/29/2021

STORMWATER POLLUTION PREVENTION PLAN	
DESIGN FILE NAME SWPPP001.DGN	DRAWING NO.

SHEET:
OF:
PROJECT NO. 201509

PER-122



SHEET:
OF:
PROJECT NO.
2015509

PERMITS

TEST HOLE (TH) SCHEDULE (PALM BEACH COUNTY WATER UTILITIES DEPARTMENT)

TH#	TYPE OF UTILITY	SIZE & MATERIAL	UTILITY DIRECTION	COVER	TOP OF UTILITY ELEV.	NORTHING / EASTING	SURVEY PIN
1	WATER MAIN	12" DUCTILE IRON	N/S	3.92	14.29	855344.319 / 925766.328	18.40
2	SANITARY FORCE MAIN	8" DUCTILE IRON	N/S	4.36	13.81	855356.242 / 925765.874	18.05
3	SANITARY FORCE MAIN	UNKNOWN	N/S	4.48	12.91	856382.472 / 925743.528	17.32
4	WATER MAIN	8" DUCTILE IRON	N/S	3.17	14.35	856398.714 / 925747.862	17.41
5	WATER MAIN	10" DUCTILE IRON	N/S	3.04	13.21	856213.645 / 925735.504	16.26
6	SANITARY FORCE MAIN	8" DUCTILE IRON	N/S	2.72	13.41	856213.668 / 925744.688	16.13
7	SANITARY FORCE MAIN	8" PVC	N/S	3.98	11.77	857760.836 / 925776.588	15.90
8	SANITARY FORCE MAIN	6" DUCTILE IRON	N/S	4.19	11.42	857848.487 / 925797.127	15.50

NOTE: ABOVE INFORMATION WAS PROVIDED BY PBCWUD BASED ON FIELD SURVEY

TEST HOLE (TH) SCHEDULE (FLORIDA PUBLIC UTILITIES)

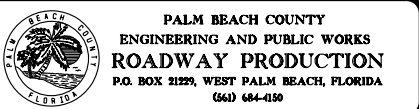
TH#	STATION (+/-)	OFFSET (+/-)	TYPE OF UTILITY	SIZE & MATERIAL	UTILITY DIRECTION	COVER	TOP OF UTILITY ELEV. (+/-)
1	135+89	22.5' LT	GAS MAIN	6" STEEL	NW/SE	2.70	15.44
2	140+56	39.5' LT	GAS MAIN	6" STEEL	N/S	4.20	13.44
3	141+16	16.7' LT	GAS MAIN	6" STEEL	N/S	4.10	13.92
4	144+60	16.0' LT	GAS MAIN	6" STEEL	N/S	3.30	15.19
5	156+00	23.0' LT	GAS MAIN	6" STEEL	N/S	4.90	11.90
6	156+00	26.0' LT	GAS MAIN	6" STEEL	N/S	3.10	13.58
7	158+68	26.0' LT	GAS MAIN	6" STEEL	N/S	4.00	11.78
8	159+88	24.5' LT	GAS MAIN	6" STEEL	N/S	3.50	12.05
9	159+88	41.8' LT	GAS MAIN	6" STEEL	N/S	3.20	11.02
10	160+60	31.0' LT	GAS MAIN	6" STEEL	N/S	3.40	11.92
11	160+60	59.0' LT	GAS MAIN	6" STEEL	N/S	3.20	10.85

NOTE: LOCATION AND DEPTHS OF COVER PROVIDED BY FPU BASED ON PROVIDED UTILITY MARKUPS

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WEST PALM BEACH, FL 33407
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NO.	REVISION	BY	DATE



SCALE:	NTS
APPROVED:	JDW
DRAWN:	DA
CHECKED:	SDW
DATE:	1/29/2021

VERIFIED UTILITIES BENOIST FARMS ROAD	
DESIGN FILE NAME GNWTR002.dgn	DRAWING NO.

SHEET:
OF:
PROJECT NO. 205509

PERMITS

BORING NO.
ELEVATION:
LATITUDE:
LONGITUDE:
RIG:
HAMMER:
DRILLER:
DATE:

B-1
N/A
N26°40'50.1
W080°10'27.4
CME 45
AUTO
TIM F.
9/01/16



B.T. @ 10'

B-2
N/A
N26°40'59.3
W080°10'27.5
CME 45
AUTO
TIM F.
9/01/16



B.T. @ 10'

B-3
N/A
N26°41'69.1
W080°10'27.6
CME 45
AUTO
TIM F.
9/01/16



B.T. @ 10

B-4
N/A
N26°41'19.0
W080°16'27.5
CME 45
AUTO
TIM F.
9/01/16







B.T. @ 10

B-5
N/A
N26°41'27.5
W080°10'27.5
CME 45
AUTO
TIM F.
9/01/16



B.T. @ 10

LEGEND

- | | | |
|---|---|--|
|  | ① | BROWN TO GRAY, FINE TO MEDIUM SAND, TRACE TO LITTLE SILT, TRACE ORGANICS, TRACE SHELL FRAGMENTS, OCCASIONAL TRACE TO FEW GRAVEL (A-3, A-2-4) |
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|  | ④ | BROWN, SHELLY, SAND (A-3) |

B.T. @ 6' BORING TERMINATED AT 6' BELOW
THE EXISTING GROUND SURFACE

GNE GROUNDWATER NOT ENCOUNTERED

A-3 AASHTO SOIL CLASSIFICATION SYSTEM
GROUP SYMBOL (ASTM D 3282)

W = MOISTURE CONTENT (%)


OC = ORGANIC CONTENT (%)

-200 = AMOUNT PASSING US STANDARD
200 SIEVE (%)

LL = LIQUID LIMIT(%)

PL = PLASTIC LIMIT(%)

PI = PLASTICITY INDEX (%)

8.6'  GROUNDWATER DEPTH IN FEET
8-30-16 AND DRILLING DATE

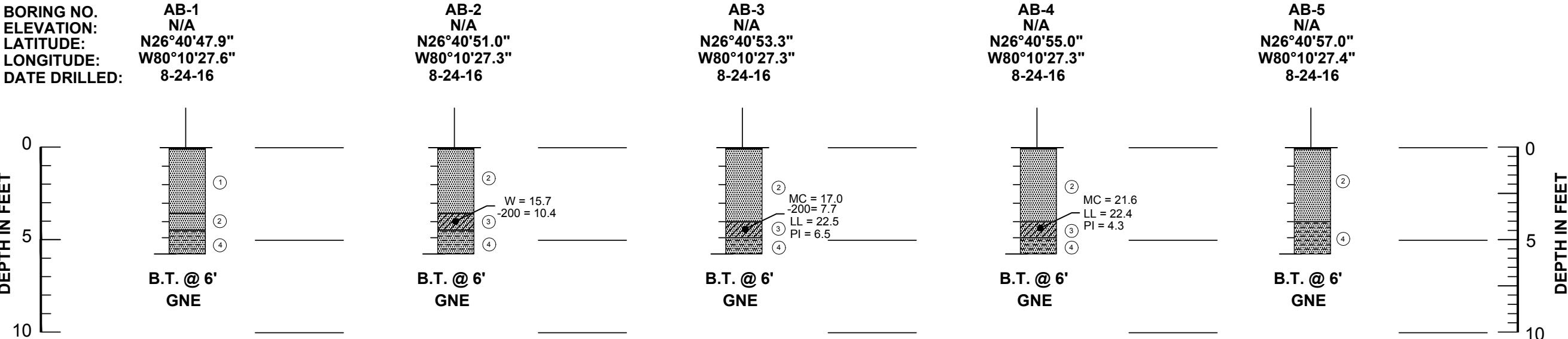
NOTES

- (1) BORINGS WERE DRILLED IN AUGUST AND SEPTEMBER OF 2016.
- (2) AUGER BORINGS WERE PERFORMED USING HAND OPERATED AUGER EQUIPMENT (ASTM D 1452)
- (3) SPT BORINGS WERE PERFORMED USING A CME-45 TRUCK RIG (ASTM D 1586).
- (4) AFTER COMPLETION OF DRILLING, BOREHOLES WERE BACKFILLED WITH GROUT.
- (5) STRATA BOUNDARIES ARE APPROXIMATE AND REPRESENT SOIL STRATA AT EACH TEST HOLE LOCATION ONLY. SOIL TRANSITIONS MAY BE MORE GRADUAL THAN IMPLIED.
- (6) GROUNDWATER LEVEL FLUCTUATIONS SHOULD BE ANTICIPATED THROUGHOUT THE YEAR.





REVISIONS

REVISIONS						Names	Dates	 ENGINEER OF RECORD RADISE International 4152 West Blue Heron Boulevard, Suite 1114 Riviera Beach, Florida. 33404 TEL 561-841-0103 FAX 561-841-0104 URL : http:// www.radise.net LICENSE NO. - 8901	PALM BEACH COUNTY		SCALE: VERTICAL N.T.S.	SHEET TITLE: ROADWAY SOIL PROFILES - SPT BORINGS	SHEET NO.
Date.	By	Descriptions	Date.	By	Descriptions	Drawn by			COUNTY	CLIENT	SCALE: HORIZONTAL N.T.S.	PROJECT NAME:	PROJECT NO:
						Checked by							
						Designed by							
						Checked by							
						Approved by			PALM BEACH	SCALAR CONSULTING GROUP		BENOIST FARMS ROAD	2015509

PERMITS



LEGEND

- | | | |
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8.6'  GROUNDWATER DEPTH IN FEET
8-30-16 AND DRILLING DATE

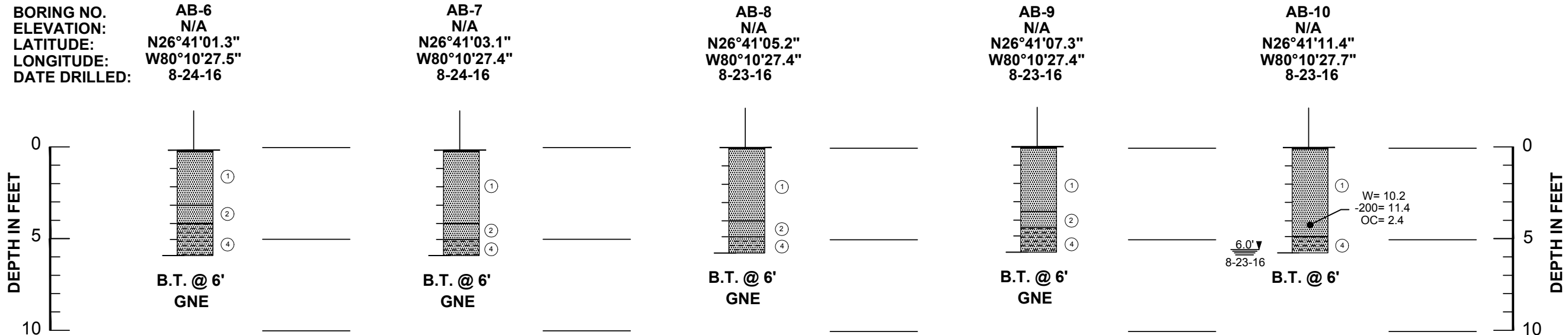
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REVISIONS

REVISIONS										Names		Dates		 RADISE <small>Infrastructure Engineering & Software Development</small>	ENGINEER OF RECORD RADISE International 4152 West Blue Heron Boulevard, Suite 1114 Riviera Beach, Florida, 33404 TEL 561-841-0103 FAX 561-841-0104 URL : http://www.radise.net				PALM BEACH COUNTY				SCALE: VERTICAL N.T.S.		SHEET TITLE: ROADWAY SOIL PROFILES - AUGER BORINGS				SHEET NO.	
Date.	By	Descriptions				Date.	By	Descriptions				Drawn by												COUNTY		CLIENT		SCALE: HORIZONTAL N.T.S.		PROJECT NAME: BENOIST FARMS ROAD
												Checked by																		
												Designed by				PALM BEACH		SCALAR CONSULTING GROUP		N.T.S.		BENOIST FARMS ROAD				2015509				
												Checked by																		
												Approved by			LICENSE NO. - 8901															

PERMITS



LEGEND

- | | | |
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8.6'  GROUNDWATER DEPTH IN FEET
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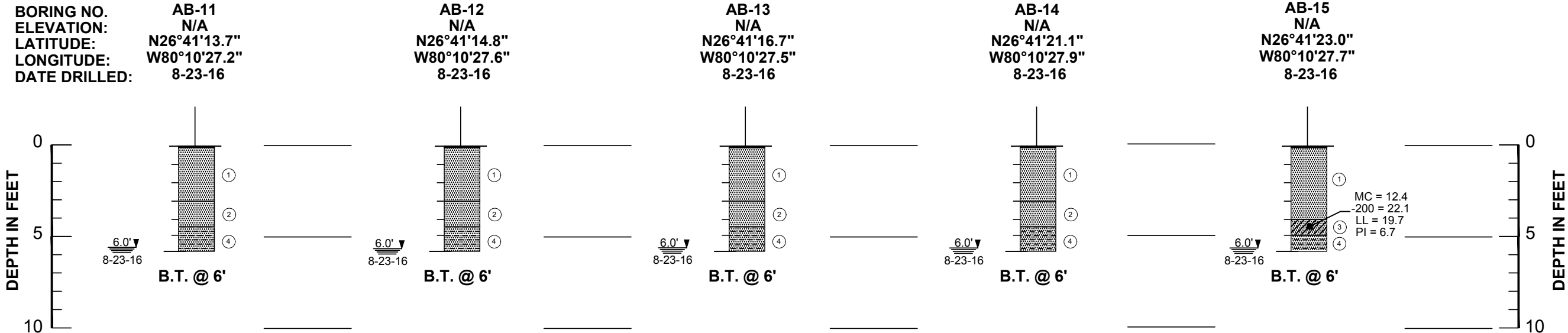
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

REVISIONS

REVISIONS						Names	Dates	 <small>Infrastructure, Utilities & Software Development</small> LICENSE NO. - 8901	PALM BEACH COUNTY		SCALE: VERTICAL N.T.S.	SHEET TITLE: ROADWAY SOIL PROFILES - AUGER BORINGS	SHEET NO.
Date.	By	Descriptions	Date.	By	Descriptions	Drawn by			COUNTY	CLIENT	SCALE: HORIZONTAL N.T.S.	PROJECT NAME: BENOIST FARMS ROAD	PROJECT NO: 2015509
						Checked by							
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						Approved by							

PERMITS



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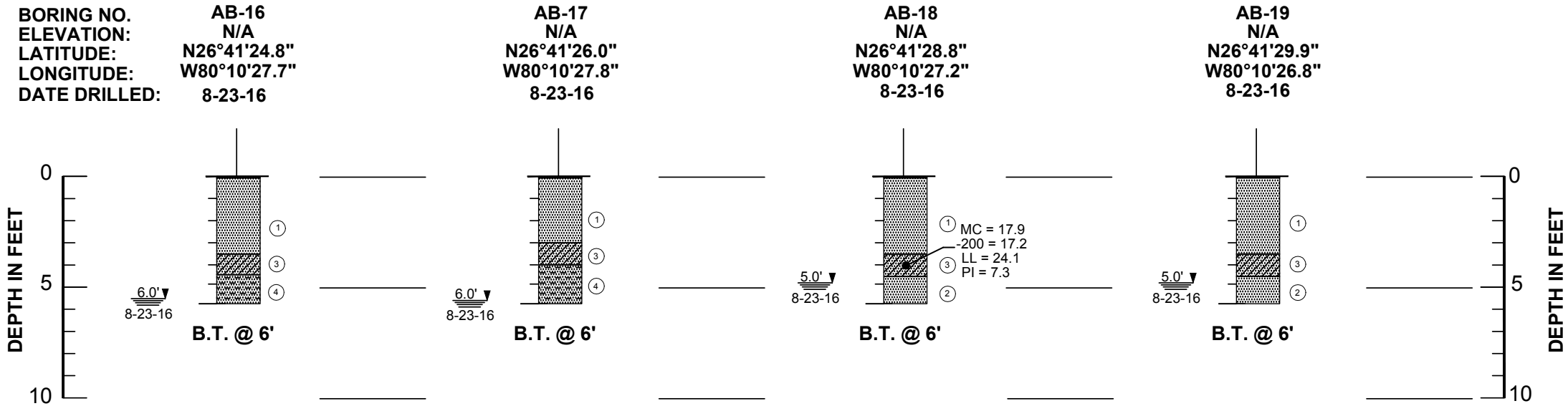
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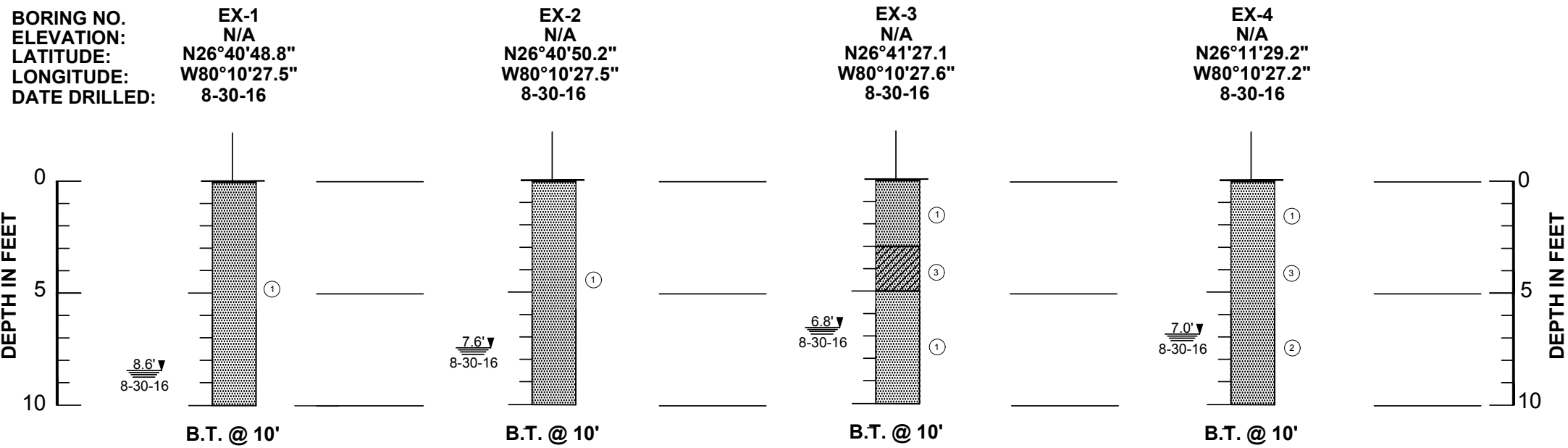
REVISIONS

REVISIONS						Names	Dates	 RADISE <small>International Landmarks & Software Development</small> ENGINEER OF RECORD RADISE International 4152 West Blue Heron Boulevard, Suite 1114 Riviera Beach, Florida. 33404 TEL 561-841-0103 FAX 561-841-0104 URL : http:// www.radise.net LICENSE NO. - 8901	PALM BEACH COUNTY		SCALE: VERTICAL N.T.S.	SHEET TITLE: ROADWAY SOIL PROFILES - AUGER BORINGS	SHEET NO.
Date.	By	Descriptions	Date.	By	Descriptions	Drawn by	Checked by		COUNTY	CLIENT	SCALE: HORIZONTAL N.T.S.	PROJECT NAME: BENOIST FARMS ROAD	PROJECT NO: 2015509
						Designed by							
						Checked by							
						Approved by							

PERMITS



PERMITS



PERMITS

DATE OF SURVEY: AUGUST AND SEPTEMBER, 2016

SURVEY MADE BY: RADISE INTERNATIONAL

SUBMITTED BY: THOMAS F. MULLIN, P.E.

PALM BEACH COUNTY

PALM BEACH COUNTY PROJECT NO.: 2015509

CROSS SECTION SOIL SURVEY FOR THE DESIGN OF ROADS

ROAD NAME: BENOIST FARMS ROAD

COUNTY: PALM BEACH

SURVEY BEGINS : SR 80 (SOUTHERN BOULEVARD)

SURVEY ENDS : BELVEDERE ROAD

ORGANIC CONTENT				SIEVE ANALYSIS RESULTS % PASS						ATTERBERG LIMITS (%)				CORROSION TEST RESULTS					
STRATUM NO.	NO. OF TESTS	% ORGANIC	MOISTURE CONTENT	NO. OF TESTS	10 MESH	40 MESH	60 MESH	100 MESH	200 MESH	NO. OF TESTS	LIQUID LIMIT	PLASTIC INDEX	AASHTO GROUP	MATERIAL DESCRIPTION	NO. OF TESTS	RESISTIVITY ohm-cm	CHLORIDES ppm	SULFATES ppm	pH
1	3	1.2-2.4	8.4-10.2	6	83.2-95.3	68.7-85.0	41.6-53.0	15.3-22.9	1.4-11.4	2	N/A	N/A	A-3, A-2-4	BROWN TO GRAY, FINE TO MEDIUM SAND, TRACE TO LITTLE SILT, TRACE ORGANICS, TRACE SHELL FRAGMENTS, OCCASIONAL TRACE TO FEW GRAVEL	-	-	-	-	-
2	0	-	-	0	-	-	-	-	-	0	-	-	A-3	BROWN, FINE TO MEDIUM, SAND	-	-	-	-	-
3	0	-	-	10	93.0-98.7	75.7-89.6	45.3-54.5	18.4-22.6	6.0-22.1	10	19.7-29.0	4.3-14.0	A-2-4	BROWN TO GRAY, FINE TO MEDIUM SAND, WITH SILTY CLAY TO SILTY CLAYEY SAND	-	-	-	-	-
4	0	-	-	2	68.0-76.5	48.7-58.6	25.1-31.5	9.2-12.1	4.1-4.6	-	-	-	A-3	BROWN, SHELLY, SAND	-	-	-	-	-

EMBANKMENT AND SUBGRADE MATERIAL

STRATA BOUNDARIES ARE APPROXIMATE MAKE FINAL CHECK AFTER GRADING

▼ = WATER TABLE ENCOUNTERED

GNE – GROUNDWATER NOT ENCOUNTERED

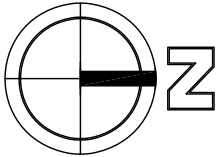
NOTE:

- 1) STRATA BOUNDARIES ARE APPROXIMATE AND REPRESENT SOIL STRATA AT EACH TEST HOLE LOCATION ONLY. ANY STRATUM CONNECTING LINES THAT ARE SHOWN ARE FOR ESTIMATING EARTHWORK ONLY AND DO NOT INDICATE ACTUAL STRATUM LIMITS. SUBSURFACE VARIATIONS BETWEEN BORINGS SHOULD BE ANTICIPATED.
- 2) REMOVAL OF MUCK AND PLASTIC MATERIAL OCCURRING WITHIN ROADWAY SHALL BE ACCOMPLISHED IN ACCORDANCE WITH INDEX No. 500 UNLESS OTHERWISE SHOWN IN THE PLANS, AND THE MATERIAL USED IN EMBANKMENT CONSTRUCTION SHALL BE IN ACCORDANCE WITH INDEX No. 505 OF FDOT DESIGN STANDARDS.
- 3) THE SYMBOL "—" REPRESENTS AN UNMEASURED PARAMETER.
- 4) SOIL ANALYSIS INCLUDES DATA FROM ROADWAY AREAS ONLY.
- 5) STRATA 1 THRU 4 CAN BE CLASSIFIED AS SELECT (S).
- 6) STRATA 1 AND 3 HAVE A-2-4 SOILS, WHICH MAY RETAIN EXCESS MOISTURE AND MAY BE DIFFICULT TO DRY AND COMPACT. THEY SHOULD BE USED IN EMBANKMENT ABOVE THE GROUND WATER LEVEL AT THE TIME OF CONSTRUCTION. A-2-4 MATERIAL PLACED BELOW THE EXISTING GROUND WATER LEVEL MUST BE NONPLASTIC AND CONTAIN LESS THAN 15% PASSING THE NO. 200 U.S. STANDARD SIEVE.

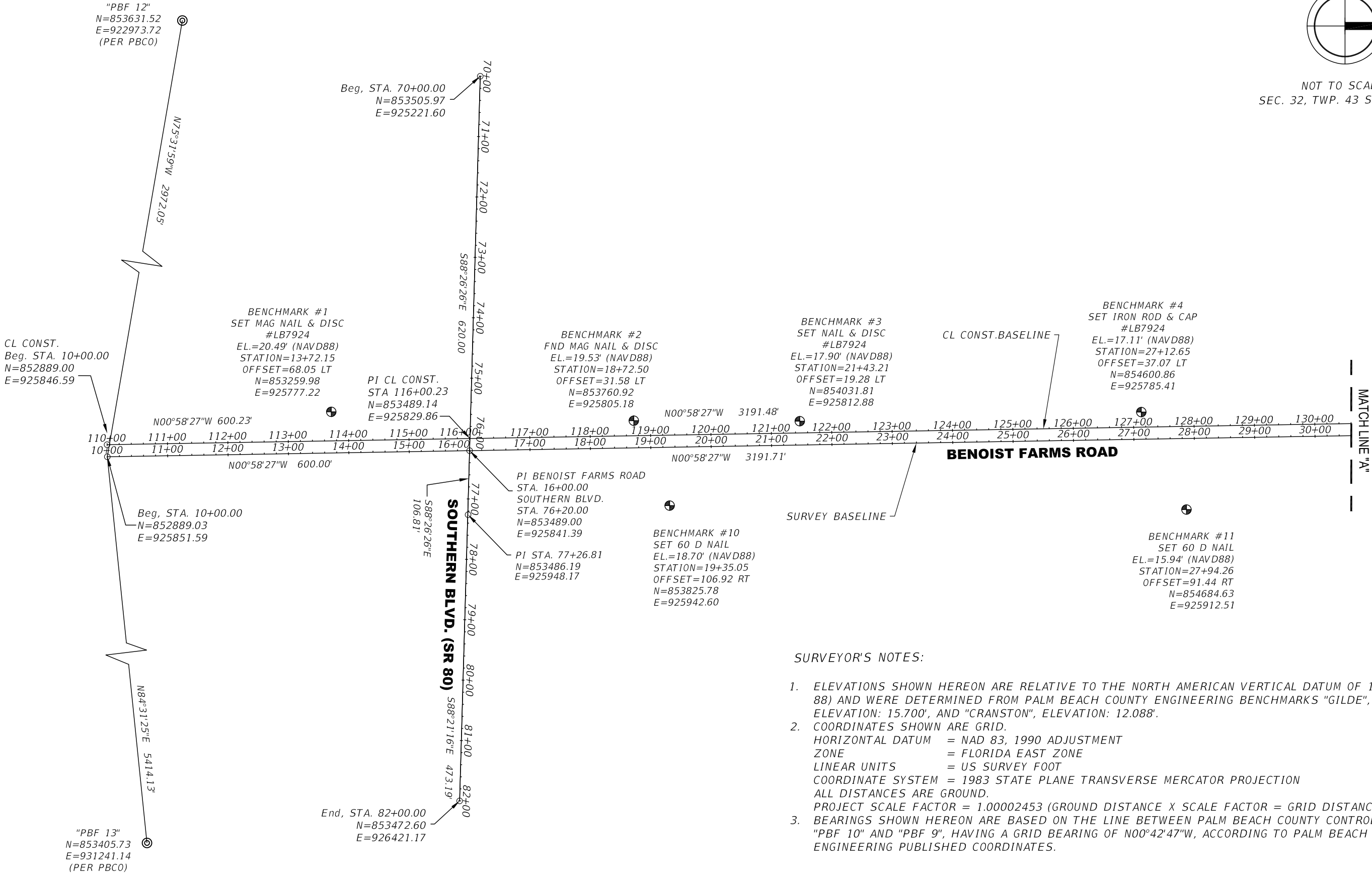
ROADWAY SOIL SURVEY

REVISIONS						Names		Dates	 ENGINEER OF RECORD RADISE International 4152 West Blue Heron Boulevard, Suite 1114 Riviera Beach, Florida. 33404 TEL 561-841-0103 FAX 561-841-0104 URL : http:// www.radise.net LICENSE NO. - 8901	PALM BEACH COUNTY		SCALE: VERTICAL N.T.S.	SHEET TITLE:	SHEET NO.
Date.	By	Descriptions	Date.	By	Descriptions	Drawn by				COUNTY	CLIENT	SCALE: HORIZONTAL N.T.S.	PROJECT NAME:	PROJECT NO:
						Checked by								
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						Approved by				PALM BEACH	SCALAR CONSULTING GROUP		BENOIST FARMS ROAD	2015509

BENOIST FARMS RD. - SOUTHERN BLVD. TO BELVEDERE RD.



NOT TO SCALE
SEC. 32, TWP. 43 S., RGE. 42 E.



SURVEYOR'S NOTES:

- ELEVATIONS SHOWN HEREON ARE RELATIVE TO THE NORTH AMERICAN VERTICAL DATUM OF 1988 (NAVD 88) AND WERE DETERMINED FROM PALM BEACH COUNTY ENGINEERING BENCHMARKS "GILDE", ELEVATION: 15.700', AND "CRANSTON", ELEVATION: 12.088'.
- COORDINATES SHOWN ARE GRID.
HORIZONTAL DATUM = NAD 83, 1990 ADJUSTMENT
ZONE = FLORIDA EAST ZONE
LINEAR UNITS = US SURVEY FOOT
COORDINATE SYSTEM = 1983 STATE PLANE TRANSVERSE MERCATOR PROJECTION
ALL DISTANCES ARE GROUND.
PROJECT SCALE FACTOR = 1.00002453 (GROUND DISTANCE X SCALE FACTOR = GRID DISTANCE).
- BEARINGS SHOWN HEREON ARE BASED ON THE LINE BETWEEN PALM BEACH COUNTY CONTROL POINTS "PBF 10" AND "PBF 9", HAVING A GRID BEARING OF N00°42'47"W, ACCORDING TO PALM BEACH COUNTY ENGINEERING PUBLISHED COORDINATES.



HSQ GROUP, INC.
Engineers · Planners · Surveyors
1001 Yamato Road, Suite 105
Boca Raton, Florida 33431 · 561.392.0221
C26258 · LB7924

Seal:

Daniel C. Laak
FL Reg. No. LS5118

No.	Revisions	By	Date
1	ADDRESS 65% County comments	DCL	1/12/18
2	ADDRESS 96% County comments	DCL	10/17/18
3	ADDRESS 96% County comments	TAE	03/19/20



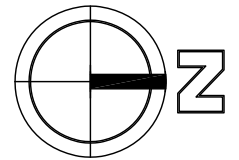
PALM BEACH COUNTY
ENGINEERING AND PUBLIC WORKS
ROADWAY PRODUCTION
P.O. BOX 21229, WEST PALM BEACH, FLORIDA

SCALE: N/A
APP'D: DCL
DRAWN: EC
CHK'D: DCW
DATE: 1/27/17

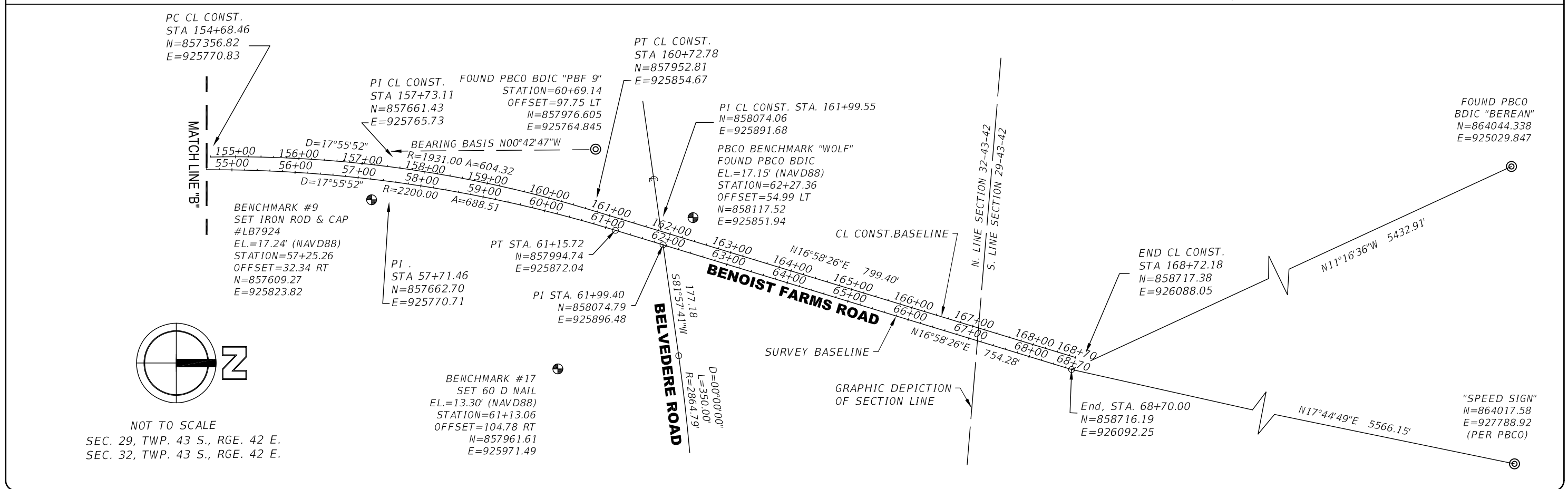
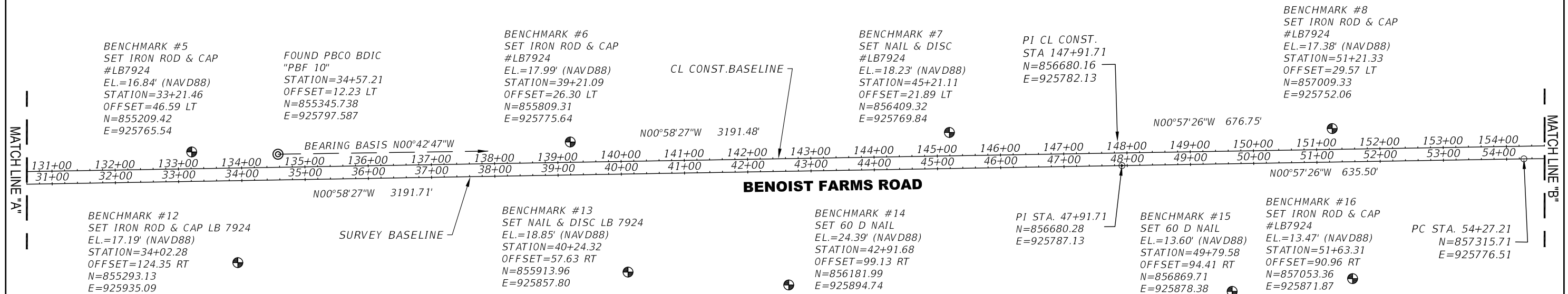
**PROJECT NETWORK
CONTROL**

SHEET: CTL-1
OF: CTL-6
PROJECT NO.
2015509

BENOIST FARMS RD. - SOUTHEAST CORNER BELVEDERE BLVD. TO BELVEDERE RD.



NOT TO SCALE
SEC. 32, TWP. 43 S., RGE. 42 E.



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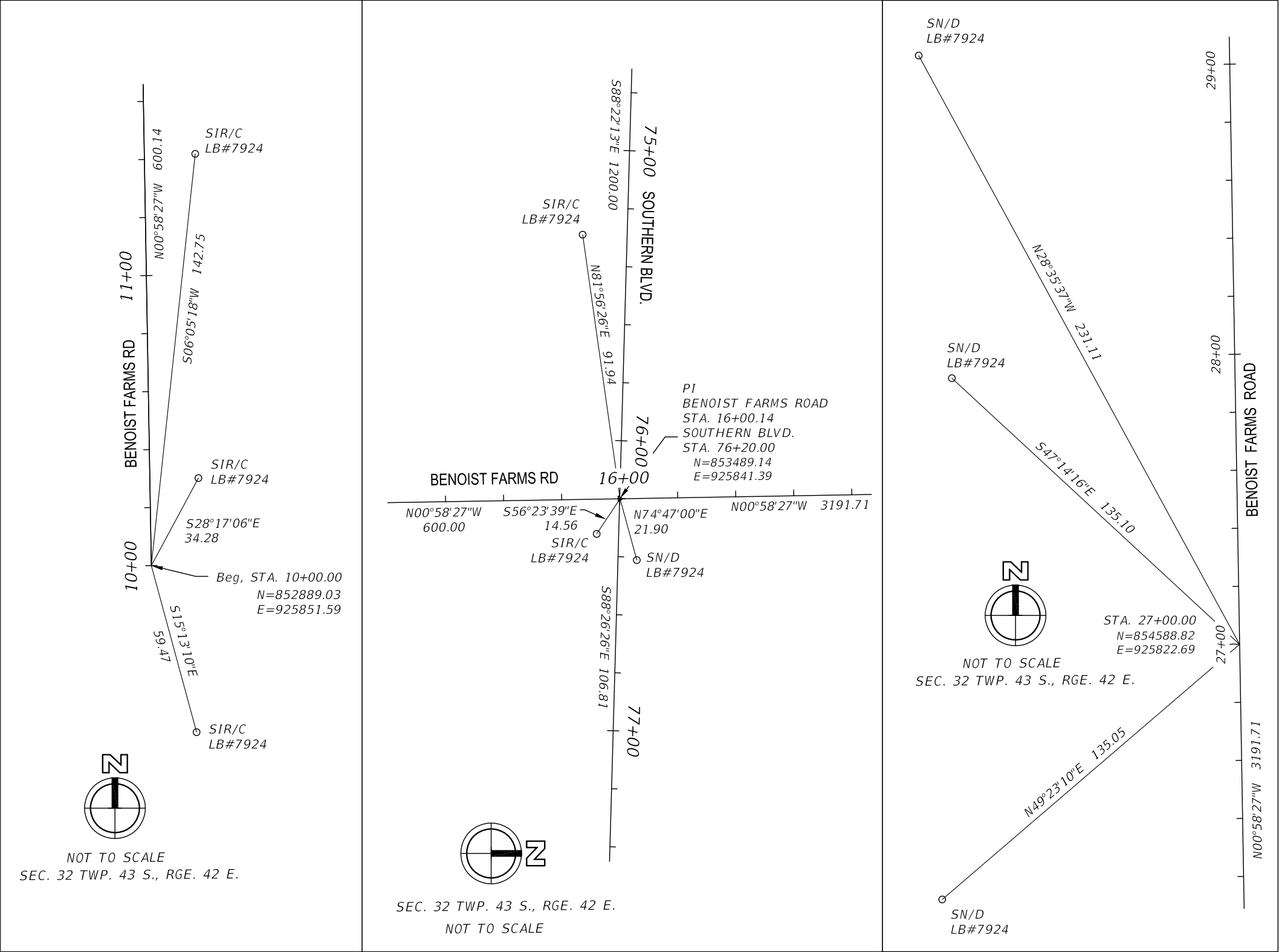
PALM BEACH COUNTY
ENGINEERING AND PUBLIC WORKS
ROADWAY PRODUCTION
P.O. BOX 21229, WEST PALM BEACH, FLORIDA

SCALE: N/A
APP'D: DCL
DRAWN: EC
CHK'D: DCW
DATE: 1/27/17

**PROJECT NETWORK
CONTROL**

SHEET: CTL-2
OF: CTL-6
PROJECT NO.
2015509

BENOIST FARMS RD. - SOUTHERN BLVD. TO BELVEDERE RD.



NOTES:

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No.	Revisions	By	Date

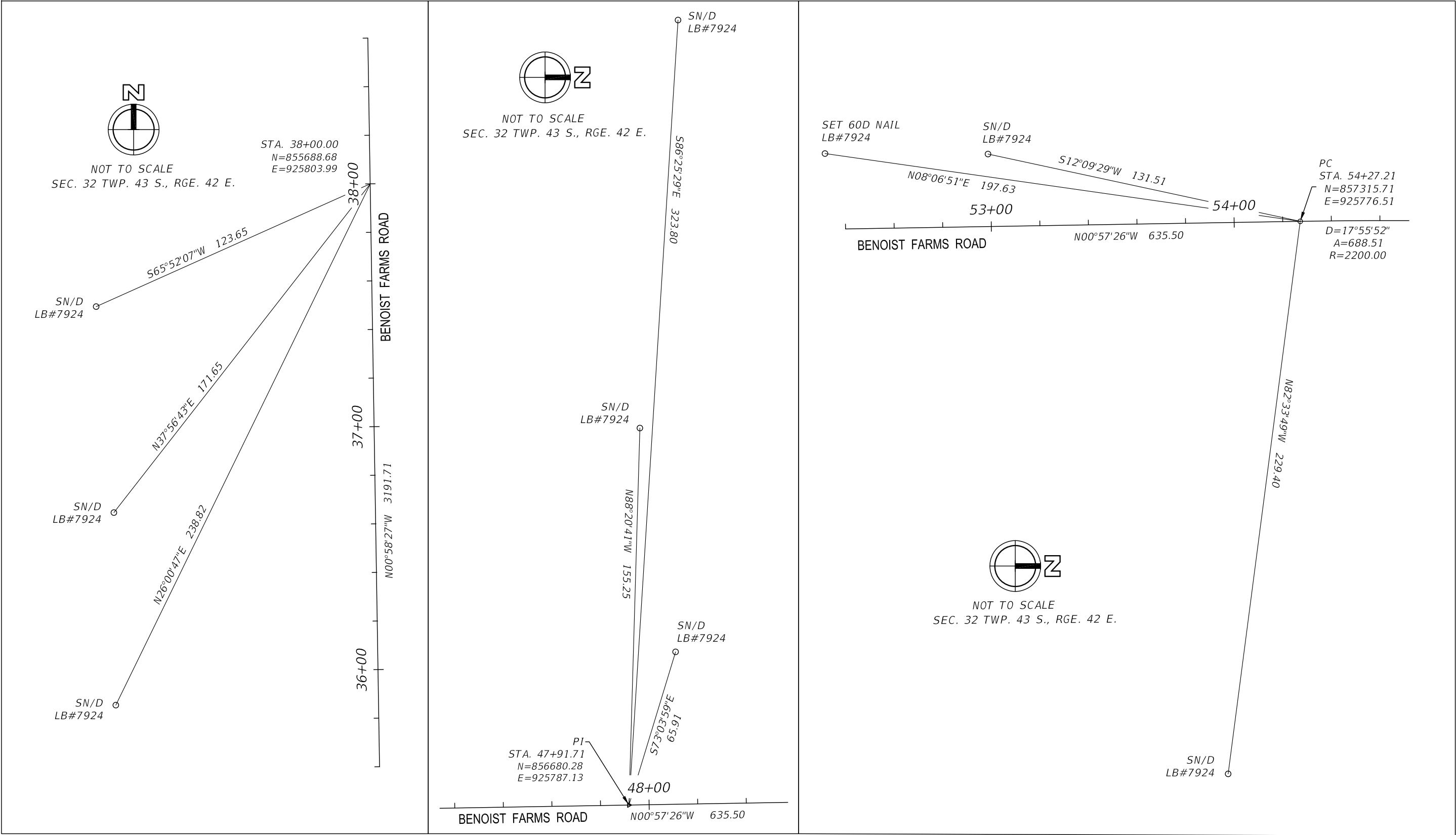
PALM BEACH COUNTY
ENGINEERING AND PUBLIC WORKS
ROADWAY PRODUCTION
P.O. BOX 21229, WEST PALM BEACH, FLORIDA

SCALE: N/A
APP'D: DCL
DRAWN: EC
CHK'D: DCW
DATE: 1/27/17

REFERENCE POINTS

SHEET: CTL-3
OF: CTL-6
PROJECT NO.
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BENOIST FARMS RD. - SOUTH BEND BLVD. TO BELVEDERE RD.





HSQ GROUP, INC.
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FL Reg. No. 155118

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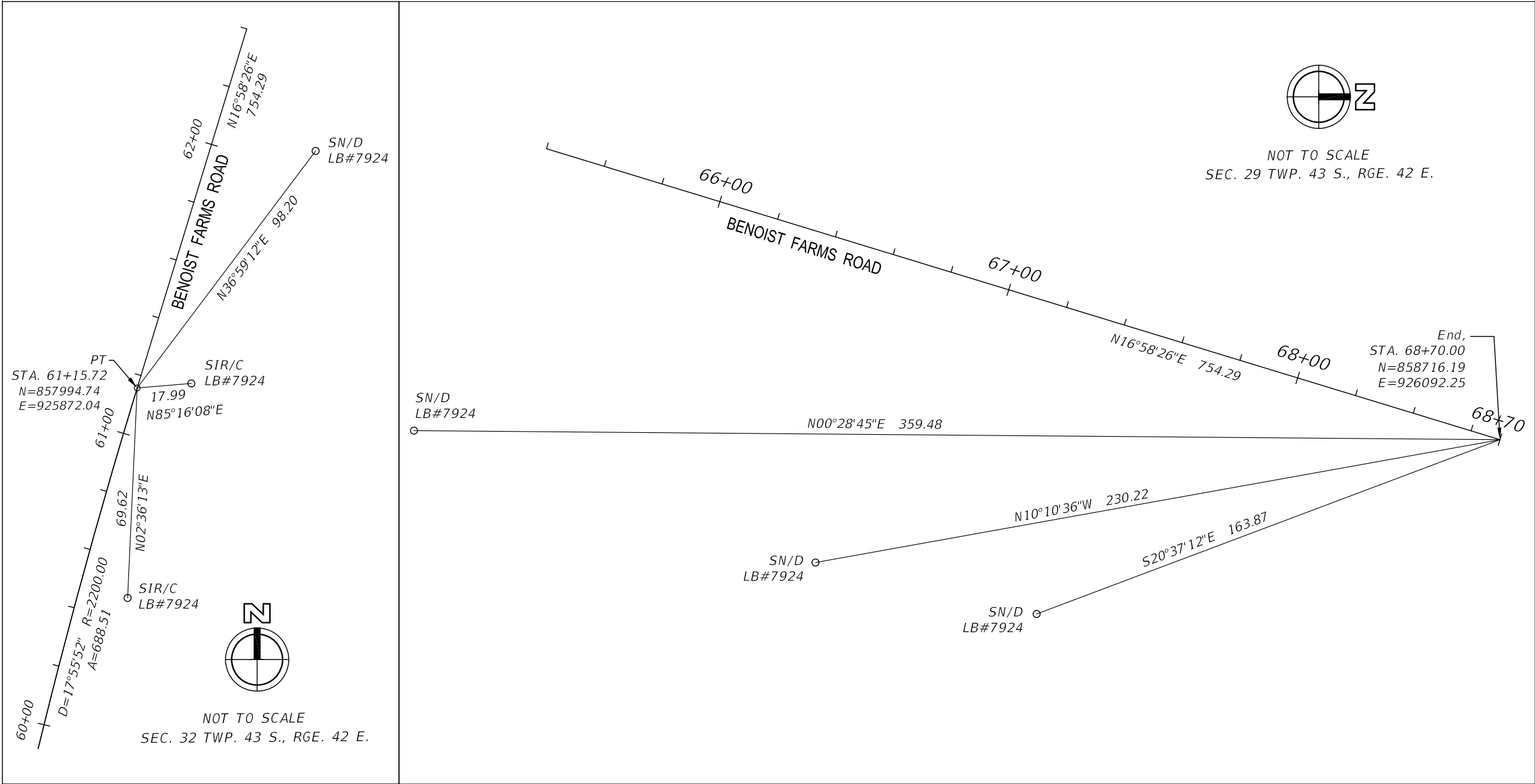
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ENGINEERING AND PUBLIC WORKS
ROADWAY PRODUCTION
P.O. BOX 21229, WEST PALM BEACH, FLORIDA

SCALE: N/A
APP'D: DCL
DRAWN: EC
CHK'D: DCW
DATE: 1/27/17

REFERENCE POINTS

SHEET: CTL-4
OF: CTL-6
PROJECT NO.
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PERMITS
BENOIST FARMS RD. - SOUTHERN BLVD. TO BELVEDERE RD.





HSQ GROUP, INC.
Engineers · Planners · Surveyors
1001 Yamato Road, Suite 340
Boca Raton, Florida 33431 · 561.392.0221
C26258 · LB7924

Seal:



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FL Reg. No. 155118

No.	Revisions	By	Date



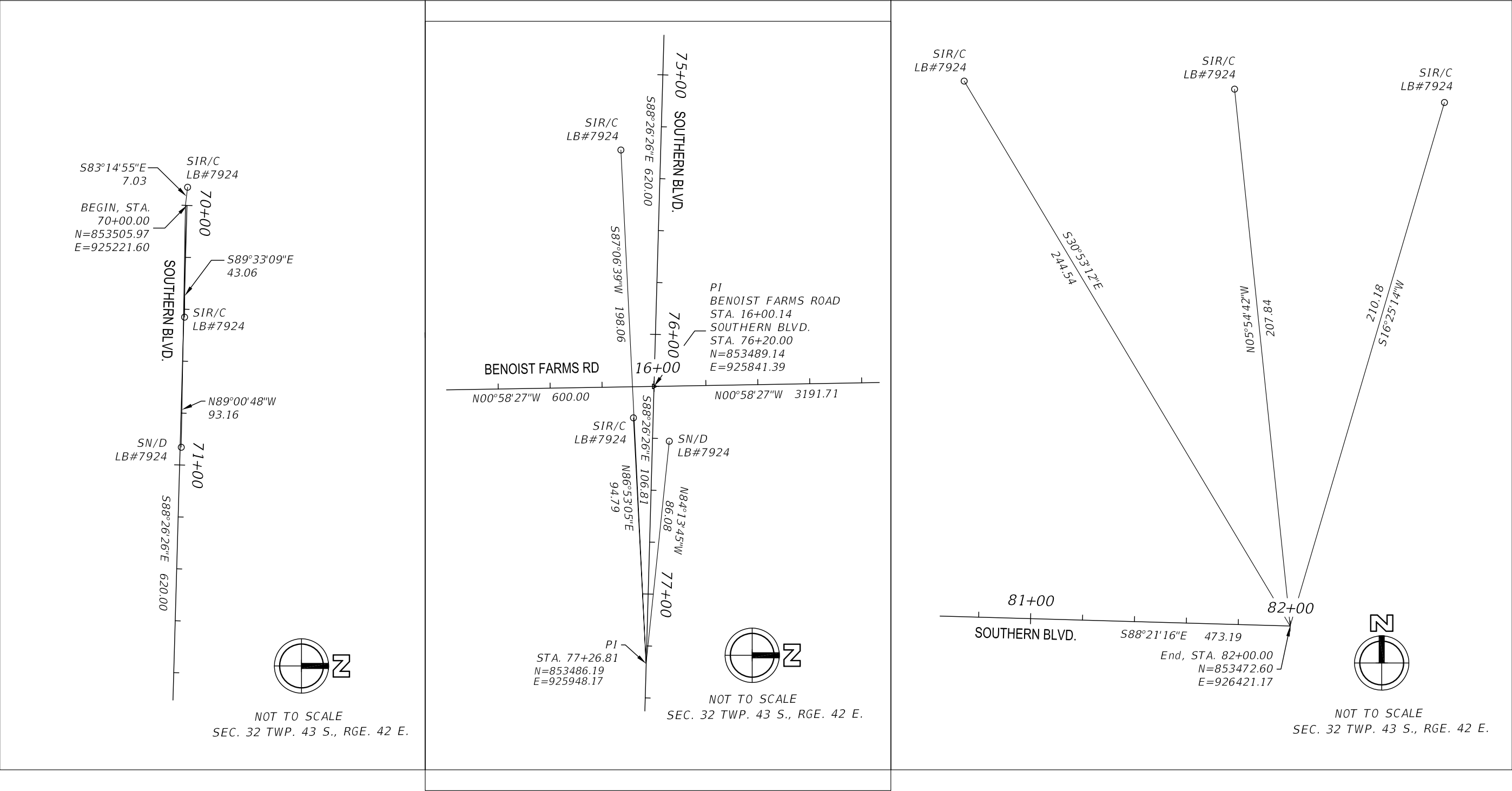
PER 135
PALM BEACH COUNTY
ENGINEERING AND PUBLIC WORKS
ROADWAY PRODUCTION
P.O. BOX 21229, WEST PALM BEACH, FLORIDA

SCALE: N/A
APP'D: DCL
DRAWN: EC
CHK'D: DCW
DATE: 1/27/17

REFERENCE POINTS

SHEET: CTL-5
OF: CTL-6
PROJECT NO.
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BENOIST FARMS RD. - SOUTHERN BLVD. TO BELVEDERE RD.



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Daniel C. Laak
FL Reg. No. LS5118

No.	Revisions	By	Date

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ENGINEERING AND PUBLIC WORKS
ROADWAY PRODUCTION
P.O. BOX 21229, WEST PALM BEACH, FLORIDA

SCALE: N/A
APP'D: DCL
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CHK'D: DCW
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REFERENCE POINTS

SHEET: CTL-6
OF: CTL-6
PROJECT NO.
2015509

COUNTY OF PALM BEACH
STATE OF FLORIDA

BOARD OF COUNTY COMMISSIONERS
PROJECT NO. 2015509

BENOIST FARMS ROAD - SR 80 (SOUTHERN BOULEVARD) TO BELVEDERE ROAD

INDEX OF
SIGNALIZATION PLANS

SHEET NO.	SHEET DESCRIPTION
T-1	KEY SHEET
T-2	TABULATION OF QUANTITIES
T-3 - T-5	GENERAL NOTES
T-6 - T-7	SIGNALIZATION PLAN
T-8	INTERCONNECT PLAN
T-9	SIGNALIZATION DETAILS
T-10	MAST ARM FOUNDATION DETAIL
T-11	MAST ARM TABULATION
T-12	MAST ARM DATA TABLE
T-13	GUIDE SIGN WORKSHEET
T-14	SUBSURFACE PROFILES
T-15	TEMPORARY SIGNALIZATION PLAN
UTV-1	VERIFIED UTILITY LOCATE

SIGNALIZATION PLANS

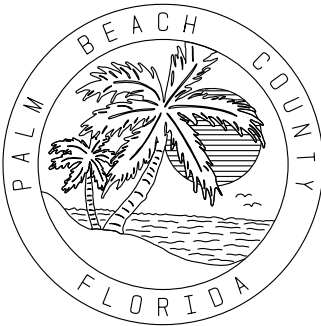
BENOIST FARMS ROAD AND SR 80 (TS-30800)
BENOIST FARMS ROAD AND BELVEDERE ROAD (TS-29055-A)

MARIA G. MARINO
DISTRICT 1

GREGG K. WEISS
DISTRICT 2

ROBERT S. WEINROTH
DISTRICT 4

MELISSA MCKINLAY
DISTRICT 6



DAVE KERNER
DISTRICT 3

MARIA SACHS
DISTRICT 5

MACK BERNARD
DISTRICT 7

THIS PROJECT IS DESIGNED TO
NAVD, 1988 DATUM

FDOT PERMIT NO. 2020-C-496-00013
POSTED SPEED ON BENOIST FARMS ROAD: 40 MPH
POSTED SPEED ON SR 80: 50 MPH

PLANS PREPARED BY:

SCALAR CONSULTING GROUP INC.
5713 CORPORATE WAY, SUITE 200
WEST PALM BEACH, FL 33407
TEL. 561-429-5065
JOHN D. WHITAKER, P.E.
P.E. NO.: 68599
VENDOR NO. 451909667001

ATTENTION IS DIRECTED TO THE FACT THAT
THESE PLANS MAY HAVE BEEN CHANGED IN
SIZE BY REPRODUCTION. THIS MUST BE
CONSIDERED WHEN OBTAINING SCALED DATA.

I HEREBY CERTIFY THAT THE ATTACHED PLANS AND DESIGNS ARE IN
SUBSTANTIAL COMPLIANCE WITH THE DESIGN STANDARDS AND
CRITERIA IN EFFECT ON THIS DATE FOR PALM BEACH COUNTY AND
THE STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION.

DATE

PROFESSIONAL ENGINEER
JOHN D. WHITAKER, P.E. NO. 68599

PALM BEACH COUNTY
ENGINEERING AND PUBLIC WORKS
ROADWAY PRODUCTION
P.O. BOX 21299, WEST PALM BEACH, FLORIDA
(561) 684-4150

DATE	
BY	
REVISION	
NO.	
SCALE: NTS	
APPROVED: JDM	
DRAWN: DA	
CHECKED: SGM	
DATE: 1/29/2021	FIELD BOOK NO.

PROJECT

BENOIST FARMS ROAD

DRAWING NO.


DESIGN FILE NAME: KEYS001.DGN

SHEET: T-1

OF: T-15

PROJECT NO.
2015509

PERMITS

TABULATION OF QUANTITIES																		
PAY ITEM NO.	DESCRIPTION	UNIT	SHEET NUMBERS										TOTAL THIS SHEET		GRAND TOTAL			
			T-6		T-7		T-8											
			PLAN	FINAL	PLAN	FINAL	PLAN	FINAL	PLAN	FINAL	PLAN	FINAL	PLAN	FINAL	PLAN	FINAL		
630 2 11 2 1	1-2" PVC (SCH 40) UNDERGROUND CONDUIT, OPEN TRENCH	LF	111		78								189		189			
630 2 11 2 2	2-2" PVC (SCH 40) UNDERGROUND CONDUIT, OPEN TRENCH	LF	38				35						73		73			
630 2 11 2 3	3-2" PVC (SCH 40) UNDERGROUND CONDUIT, OPEN TRENCH	LF					65						65		65			
630 2 12 2 1	1-2" (HDPE SDR 11) UNDER PAVEMENT CONDUIT (DIRECTIONAL BORE)	LF	146										146		146			
630 2 12 2 2	2-2" (HDPE SDR 11) UNDER PAVEMENT CONDUIT (DIRECTIONAL BORE)	LF					135						135		135			
630 2 12 2 3	3-2" (HDPE SDR 11) UNDER PAVEMENT CONDUIT (DIRECTIONAL BORE)	LF	132				315						447		447			
630 2 12 2 5	5-2" (HDPE SDR 11) UNDER PAVEMENT CONDUIT (DIRECTIONAL BORE)	LF	340										340		340			
631 2 12 2 6	6-2" (HDPE SDR 11) UNDER PAVEMENT CONDUIT (DIRECTIONAL BORE)	LF	132										132		132			
632 7 1 4	SIGNAL CABLE 4 CONDUCTOR	LF			20								20		20			
632 7 1 7	SIGNAL CABLE 7 CONDUCTOR	LF			20								20		20			
632 7 1 4A	PEDESTRIAN SIGNAL CABLE - 4 CONDUCTOR	PI	1										1		1			
632 7 1 7A	PEDESTRIAN SIGNAL CABLE - 7 CONDUCTOR	PI	1										1		1			
632 7 1 19 E	SIGNAL CABLE (SPAN LENGTH 551'-650')	PI	1										1		1			
633 1 410	FIBER OPTIC CABLE, RELOCATE, UNDERGROUND	LF					55						55		55			
633 2 32	FIBER OPTIC CONNECTION, INSTALL, TERMINATION	EA					96						96		96			
633 3 54	FIBER OPTIC CONNECTION HARDWARE, RELOCATE	EA					1						1		1			
635 2 12 A	PULL BOX (17"X30"X12"D) HEAVY DUTY COVERS (TIER 15)	EA	17		3								20		20			
635 2 13 A	PULL BOX (30"X48"X24"D) HEAVY DUTY SPLIT COVERS (ITS) (TIER 15)	EA					1						1		1			
635 2 13 B	PULL BOX (17"X30"X24"D) HEAVY DUTY SPLIT COVERS (ITS) (TIER 15)	EA					6						6		6			
639 1 121	ELECTRICAL POWER SERVICE WITH METER BASE (UNDERGROUND) METER FURNISHED BY POWER COMPANY	AS	1										1		1			
639 2 1 3	ELECTRICAL SERVICE WIRE (SINGLE PHASE 3-WIRE, TRIPLEX)	LF	153										153		153			
639 3 11	ELECTRICAL SERVICE DISCONNECT (BREAKER BOX, SHEET 6.2 OF PBC STANDARDS)	EA	1										1		1			
641 2 12 12	PRESTRESSED CONCRETE POLE (12' TYPE P-11)	EA	1										1		1			
641 2 70	CONCRETE POLE REMOVAL - SHALLOW (INCLUDES POLE AND BURIED ATTACHMENTS TO A DEPTH OF 4 FEET BELOW EXISTING GRADE)	EA	2										2		2			
646 1 11	ALUMINUM SIGNALS POLE, PEDESTAL WITH TRANSFORMER BASE (8 FEET ABOVE GROUND)	EA	7		1								8		8			
649 21 3	STEEL MAST ARM ASSEMBLY, FURNISH AND INSTALL, SINGLE ARM 40'	EA	1										1		1			
649 21 15	STEEL MAST ARM ASSEMBLY, FURNISH AND INSTALL, SINGLE ARM 70'	EA	2										2		2			
649 21 21	STEEL MAST ARM ASSEMBLY, FURNISH AND INSTALL, SINGLE ARM 78'	EA	1										1		1			
649 36 3 00	REMOVE STEEL MAST ARM ASSEMBLY - SHALLOW REMOVAL (INLCUDES ARM, UPRIGHT & WHOLE BURIED ATTACHEMENTS TO THE DEPTH OF 4 FEET BELOW EXISTING GRADE) INCLUDES DELIVERY OF REMOVED MAST ARM EQUIPMENT	EA	3										3		3			
650 1 13	TRAFFIC SIGNAL HEAD ALUMINUM (3-SECTION, 1-WAY) INCLUDES BACKPLATES	AS	13										13		13			
650 1 15	TRAFFIC SIGNAL HEAD ALUMINUM (5-SECTION, 1-WAY) INCLUDES BACKPLATES	AS	2										2		2			
653 191	PEDESTRIAN SIGNAL - COUNT DOWN (1-WAY) ALUMINUM	AS	6		1								7		7			
653 192	PEDESTRIAN SIGNAL - COUNT DOWN (2-WAY) ALUMINUM	AS	1										1		1			
660 2 106 B	LOOP ASSEMBLY (TYPE F - 46')	EA			2								2		2			
660 4 10 B4	VIDEO IMAGE DETECTION 4-CAMERA SYSTEM (ITERIS) COMPLETE	EA	1										1		1			
660 4 30 B1	VIDEO IMAGE DETECTION 1-CAMERA SYSTEM (ITERIS)	EA	2										2		2			
663 1111	SIGNAL PRIORITY AND PREEMPTION SYSTEM, F&I, OPTICAL, CABINET ELECTRONICS	EA	1										1		1			
663 1112	SIGNAL PRIORITY AND PREEMPTION SYSTEM, F&I, OPTICAL, DETECTOR	EA	4										4		4			
665 1 11	PEDESTRIAN DETECTOR (PUSH BUTTON)	EA	8		1								9		9			
670 5400	TRAFFIC CONTROLLER ASSEMBLY, MODIFY	AS			1								1		1			
670 5 110 B	TRAFFIC CONTROLLER ASSEMBLY (TYPE 6) AS PER NAZTEC (W/ EXTRA SHELF)	AS	1										1		1			
676 2600	ITS CABINET, REMOVE	EA					1						1		1			
690 20	SIGNAL PEDESTRIAN HEAD ASSEMBLY, REMOVAL	EA	8		1								9		9			
690 31 1	SIGNAL PEDESTAL, REMOVE	EA	3		1								4		4			
690 50 0	REMOVE CONTROLLER ASSEMBLY COMPLETE WITH FOUNDATION	EA	1										1		1			
690 70	REMOVE PEDESTRIAN DETECTOR ASSEMBLY	EA	8		1								9		9			
690 80	SPAN WIRE ASSEMBLY, REMOVE	EA	1										1		1			
690 93	REMOVE SMALL PULL BOX - UP TO 17X30	EA	10										10		10			
700 3 201	SIGN PANEL, FURNISH & INSTALL OVERHEAD MOUNT, UP TO 12 SF	EA	2										2		2			
700 5 22	INTERNALLY ILLUMINATED SIGN (8') FLUORESCENT	EA	3										3		3			
715 5 31	LUMINAIRE & BRACKET ARM- ALUMINUM, FURNISH & INSTALL NEW LUMINAIRE AND ARM ON NEW/EXISTING POLE	EA	4										4		4			
SCALAR CONSULTING GROUP INC. 5713 CORPORATE WAY., SUITE 200 WEST PALM BEACH, FL 33407 TEL. 561-429-5065 JOHN D. WHITAKER, P.E. P.E. NO.: 68599 VENDOR NO. 451909667			NO.		REVISION		BY		DATE		 PALM BEACH COUNTY ENGINEERING AND PUBLIC WORKS ROADWAY PRODUCTION P.O. BOX 21229, WEST PALM BEACH, FLORIDA (561) 684-4150		SCALE: NTS APPROVED: JDW DRAWN: DA CHECKED: SDW DATE: 2/1/2021		TABULATION OF QUANTITIES BENOIST FARMS ROAD DESIGN FILE NAME TAB05001.dgn		DRAWING NO. PROJECT NO. 2005509	
													SHEET: T-2 OF: T-15					

PERMITS

SIGNALIZATION GENERAL NOTES

1) CONTRACTOR SHOULD REVIEW AND ADHERE TO THE PALM BEACH COUNTY TRAFFIC SIGNAL INSTALLATION STANDARDS AND DETAILS 2019 (OR LATEST REVISED EDITION) AND THE FDOT ROADWAY DESIGN STANDARDS 2020-2021 (LATEST EDITION).

2) PRIOR TO EQUIPMENT ORDER, THE CONTRACTOR SHALL SUBMIT FOR APPROVAL TO THE EOR AND PALM BEACH COUNTY TRAFFIC DIVISION EQUIPMENT SPECIFICATIONS OR DESIGN DATA FOR ALL MATERIAL PROPOSED FOR THE PROJECT. THIS SHALL INCLUDE, BUT IS NOT LIMITED TO:

- I. NON-STRUCTURAL SUBMITTALS
 - ALL GUIDE SIGN LEGENDS (IF DIFFERENT FROM DETAILED)
 - CONTROLLER CABINET AND ASSEMBLY
 - VIDEO DETECTION SYSTEM.
- II. STRUCTURAL SUBMITTALS
 - SIGN STRUCTURES, INCLUDING CANTILEVER TRUSSES AND FOUNDATIONS
 - MAST ARM, POLE AND FOUNDATIONS
 - MAST ARM POLES WITH LUMINAIRE ATTACHMENTS SHALL BE PROVIDED WITH SHOP DRAWINGS AND CALCULATIONS.

3) THE CONTRACTOR SHALL NOTIFY THE APPROPRIATE UTILITY COMPANY TWO (2) FULL WORKING DAYS IN ADVANCE OF ANY EXCAVATION INVOLVING ITS UTILITIES SO THAT A COMPANY REPRESENTATIVE CAN BE PRESENT. THE LOCATION OF THE UTILITIES SHOWN IN THE PLANS ARE APPROXIMATE ONLY. THE EXACT LOCATION SHALL BE DETERMINED BY THE CONTRACTOR DURING CONSTRUCTION.

CONTACT PERSON	UTILITY	PHONE NUMBER
PETER PIZZA	COMCAST	(561) 419-1612
MICHAEL ALEXANDER	FLORIDA CITY GAS	(305) 968-5516
MICHAEL RODRIGUEZ	CROWN CASTLE	(954) 232-1070
PHILLIP PASCASIO	FPL - DISTRIBUTION	(321) 214-3865
FERNANDO VAN LEEUWEN	FLORIDA PUBLIC UTILITIES	(561) 398-2338
TISH STEINFELS	PBC WATER UTILITIES	(561) 740-4600
OPERATIONS SUPT.	PBC TRAFFIC SIG	(561) 233-3900
DANIEL RODRIGUEZ	PBC TRAFFIC ITS	(561) 684-4365
KEN SCHNEIDER	PBC TRAFFIC ISS	(561) 632 9734
GARTH BEDWARD	AT&T FLORIDA	(561) 540-9263

4) SHOP DRAWINGS AND DESIGN DATA SHALL BE SUBMITTED ELECTRONICALLY TO THE EOR WITH A COPY SENT TO FATTOUSH JAFAR FJAFAR@PBCGOV.ORG AND JEAN MILORD JMILORD@PBCGOV.ORG. ALLOW 30 DAYS TURN AROUND FOR SUBMITTALS.

5) THE CONTRACTOR SHALL CONTACT PBC TRAFFIC OPERATIONS AT 561-233-3900 FORTY-EIGHT (48) HOURS PRIOR TO CONSTRUCTION IF WORK IS BEING DONE WITHIN 10 FEET OF ANY SIGNAL EQUIPMENT OR IN ADVANCE OF ANY SIGNAL RELATED INSTALLATION WORK.

6) ALL SIGNS AND OTHER TRAFFIC CONTROL DEVICES, EXCEPT EQUIPMENT SHOWN OR NOTED ON THE PLAN SHEETS FOR REMOVAL BY OTHERS, SHALL BE REMOVED BY THE CONTRACTOR AND STOCKPILED WITHIN THE RIGHT TO WAY ONLY AFTER 48 HOUR NOTICE TO THE MAINTAINING AGENCY. CONTROL DEVICES SHALL THEN BE REMOVED BY OTHERS FOR DELIVERY TO THE NOTIFIED AGENCY.

7) ALL REMOVED ITEMS TO BE DELIVERED TO PBCTED AT 2555 VISTA PARKWAY WEST PALM BEACH FL - CALL 48 HOURS PRIOR TO DELIVERY (561) 233-3900. CONCRETE POLES CAN BE DISCARDED/PROPERLY DISPOSED OF.

8) DURING DEEP REMOVAL OF MAST ARM FOUNDATION (AND ANY OTHER POLE REMOVAL), IT IS THE CONTRACTOR'S RESPONSIBILITY TO SECURE ANY OTHER FOUNDATION OR STRUCTURE IN THE CLOSE PROXIMITY OF THE FOUNDATION BEING REMOVED. IF THE CONTRACTOR DETERMINES ANY STRUCTURE OR FOUNDATION IN CLOSE PROXIMITY OF FOUNDATION REMOVED COULD POTENTIALLY BE COMPROMISED, THEY SHALL SECURE IT.

9) THE CONTRACTOR SHALL BE RESPONSIBLE FOR FIELD CHECKING INTERSECTION OPERATIONS AS THEY RELATE TO THE INSTALLATION OF MAST ARMS.

10) TEMPORARY DETECTION IS REQUIRED IF THE EXISTING VEHICLE DETECTION WILL BE IMPACTED AND OUT OF SERVICE FOR MORE THAN 30 DAYS AND IF PEDESTRIAN DETECTION IS OUT OF SERVICE FOR MORE THAN 3 DAYS WHILE LOCATION IS UNDER CONSTRUCTION.

11) ALL PUBLIC LAND CORNERS AND MONUMENTS WITHIN THE LIMITS OF CONSTRUCTION ARE TO BE PROTECTED BY THE CONTRACTOR AS FOLLOWS: CORNERS AND MONUMENTS IN CONFLICT WITH THE WORK AND IN DANGER OF BEING DAMAGED, DESTROYED, OR COVERED HAVE TO BE PROPERLY REFERENCED BY A PROFESSIONAL LAND SURVEYOR. THIS SHALL BE DONE IN ACCORDANCE WITH THE MINIMUM TECHNICAL STANDARDS OF THE FLORIDA BOARD OF PROFESSIONAL LAND SURVEYORS. PRIOR TO BEGINNING WORK AT THE SITE, AND CONTRACTOR SHALL RETAIN A LAND SURVEYOR TO REFERENCE THE RESTORE, UPON COMPLETION OF THE WORK, ALL SUCH CORNERS AND MONUMENTS. THE CONTRACTOR SHALL FURNISH, TO THE DISTRICT LOCATION SURVEYOR, A SIGNED AND SEALED COPY OF THE LAND SURVEYOR'S REFERENCE DRAWING.

12) ALL SURVEY BENCH MARK MONUMENTS WITHIN THE LIMITS OF CONSTRUCTION SHALL BE PROTECTED AND REFERENCED BY THE CONTRACTOR IN THE SAME WAY AS PUBLIC LAND CORNERS, EXCEPT THAT THE LAND SURVEYOR SHALL NOT BE REQUIRED TO RESTORE THE N.G.V.D. BENCH MARK UPON COMPLETION OF THE WORK. THE CONTRACTOR SHALL PROMPTLY TRANSMIT ALL DISPLACED FOR DAMAGED N.G.V.D. DISCS TO THE DISTRICT LOCATION SURVEYOR, WHO WILL NOTIFY THE GEODETIC INFORMATION CENTER.

13) ALL EXISTING SIGNALIZATION EQUIPMENT IS ASSUMED TO BE IN GOOD WORKING ORDER UNLESS PBCTED IS NOTIFIED IN WRITING PRIOR TO START OF CONSTRUCTION. ANY SUBSEQUENT DAMAGE TO THE SIGNAL EQUIPMENT SHALL BE REPAIRED BY THE CONTRACTOR.

14) EXISTING COMMUNICATIONS OR COMMAND WIRE CONNECTIONS SHALL BE MAINTAINED AT ALL SIGNALIZED LOCATIONS DURING CONSTRUCTION. THIS SHALL INCLUDE, BUT NOT BE LIMITED TO, INTERCONNECT, RAILROAD FLASHING BEACONS, RAILROAD PREEMPTION, EMERGENCY VEHICLE PREEMPTION, AND SCHOOL ZONE FLASHERS. CONTRACTOR TO PROVIDE TEMPORARY LINES AND CONNECTIONS IF NECESSARY. COST OF MAINTAINING COMMUNICATION INCLUDING TEMPORARY CONNECTIONS SHALL BE INCLUDED IN PAY ITEM 102-1 MOT.

15) THE CONTRACTOR SHALL PREPARE TRAFFIC CONTROL PLANS AND SUBMIT THEM FOR REVIEW AND APPROVAL BY THE ENGINEER OF RECORD AND THE TRAFFIC DIVISION (MOT SECTION) AT LEAST TWO (2) WEEKS IN ADVANCE OF PROPOSED WORK. PER MOT RULES, NO LANE CLOSURES DURING AM AND PM PEAK HOURS.

16) IT SHOULD BE NOTED THAT NO TEST BORINGS WERE MADE WHERE CONDUIT RUNS ARE TO BE INSTALLED BY DIRECTIONAL BORING OR TRENCHING. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO EXAMINE JOB SITE CONDITIONS BEFORE SUBMITTING BID PROPOSALS IN ACCORDANCE WITH SECTION 2-4 OF THE FDOT STANDARD SPECIFICATIONS.

17) THE CONTRACTOR IS TO USE CAUTION WHEN WORKING IN OR AROUND AREAS OF EXISTING LOOP AND LEAD IN WIRE, OVERHEAD TRANSMISSION LINES AND UNDERGROUND UTILITIES. THE CONTRACTOR SHALL EXCAVATE BY HAND WHERE CONFLICTS MAY EXIST. DAMAGE TO LOOPS AND ANY SIGNAL EQUIPMENT CAUSED BY CONSTRUCTION OF THIS PROJECT SHALL BE REPAIRED OR REPLACED TO ORIGINAL OR BETTER CONDITION AT NO COST TO PALM BEACH COUNTY.

18) MAST ARM CONCRETE FOUNDATION SHALL BE POURED IN A SINGLE POUR. FOUNDATIONS THAT DO NOT COMPLY WITH THIS REQUIREMENT SHALL BE COMPLETELY REMOVED AND RE-POURED AT THE CONTRACTOR'S EXPENSE. A DRILL SHAFT INSTALLATION PLAN SHALL BE PART OF THE SHOP DRAWINGS.

19) CONTRACTOR IS RESPONSIBLE FOR THE PROPER BOLT PROJECTION ABOVE FINISHED SIDEWALK GRADE. THE CONTRACTOR SHALL ENSURE THAT THE DRILL SHAFT AND BOLT PATTERNS ARE INSTALLED CORRECTLY SO THAT THE MAST ARM WILL BE ANGLED AS SHOWN ON THE PLANS.

20) IF PHASE 1 (UNDERGROUND ONLY) AND PHASE 2 (ABOVE GROUND) IS PROPOSED, CONTRACTOR IS RESPONSIBLE TO ENSURE EXPOSED BOLTS ARE PROTECTED FROM THE ELEMENTS (INSTALL BOLT CAPS).

21) FOR MAST ARM SIGNAL INSTALLATIONS, THE CONTRACTOR SHALL INSTALL WIRE MESH SUPPORT GRIPS FOR STRAIN RELIEF. ALL SIGNAL CABLE MUST BE HELD BY A STRAIN RELIEF (LE GRAND BC0750FSS) ATTACHED TO THE J HOOK INSIDE OF A MAST ARM. TO USE APPROVED EQUIVALENT, SHOP DRAWINGS SHALL BE SUBMITTED TO PBC ENGINEER FOR PREAPPROVAL. WRITTEN APPROVAL FOR SHOP DRAWINGS SHALL BE PROVIDED AT TIME OF FINAL SIGNAL INSPECTION.

22) THE DRILL SHAFT FOUNDATION SHALL BE FLUSH WITH THE GROUND ELEVATION OR SIDEWALK, NOT BELOW GROUND LEVEL. DRILL SHAFT MUST NOT EXTEND HIGHER THAN A 2" ELEVATION ABOVE GROUND LEVEL.

23) SIGNAL CABLE - CONTRACTOR SHALL INSTALL TRAFFIC SIGNAL CABLE IN ACCORDANCE WITH PBC STANDARDS. THERE SHALL BE NO SPLICING. IF CONTINUOUS RUNS ARE NOT POSSIBLE, THEN TERMINAL BLOCK SHALL BE USED.

24) CONTROLLER CABINET - THE CONTROLLER CABINET SHALL BE INSTALLED SUCH THAT THE CONTROLLER DOOR WILL OPEN AWAY FROM THE ROADWAY TRAVEL LANES AND POSITIONED TO ALLOW THE TECHNICIAN TO SEE THE INTERSECTION.

25) CONTRACTOR TO PROVIDE A MINIMUM 2 FEET CABLE SLACK AT ALL PULL BOXES AND HAND HOLDS.

26) PEDESTRIAN SIGNALS - EACH PEDESTRIAN SIGNAL SHALL BE FED WITH ONE 7 CONDUCTOR CABLE FOR PED SIGNAL HEAD AND ONE 4 CONDUCTOR CABLE FOR THE PED. DETECTOR/PUSH BUTTON. THESE CABLES WILL RUN FROM EACH PEDESTRIAN SIGNAL/DETECTOR DIRECTLY TO THE CONTROL BOX WITH NO SPLICES.

27) POSITION PULL BOXES, CABINETS, POLES AND OTHER OBSTRUCTIVE ITEMS CLEAR OF CURB CUT RAMPS. PULL BOXES SHALL BE PLACED BEHIND CURB AND GUTTER. IF THERE IS NO CURB AND GUTTER, THEN PULL BOXES SHALL BE PLACED AT LEAST 10 FEET FROM THE EDGE OF PAVEMENT. PULL BOXES SHALL NOT BE LOCATED AT THE BOTTOM OF ANY DITCH OR RETENTION AREA/POND. ALL PULL BOXES SHALL HAVE A 1' WIDE (MIN.) X 6" DEEP CONTINUOUS CONCRETE APRON SLOPED AWAY FROM BOX (TYPICALLY 1%).

28) SPARE CABINET CONDUIT SHALL BE STUBBED AND CAPPED IN THE NEAREST PULL BOX. USE GEL CAPS FOR ANY SPARE/USED CONDUIT.

29) THE USE OF "JONES" PLUGS FOR SIGNAL INSTALLATIONS SHALL BE PROHIBITED.

30) ALL FIELD WIRING SHALL BE NEATLY BUNDLED AND CLEARLY IDENTIFIED WITH PERMANENT LEGIBLE, WEATHERPROOF TAGS THAT ARE SECURELY ATTACHED TO EACH CABLE. THE TAGGING SYSTEM PROPOSED SHALL BE SUBMITTED FOR APPROVAL WITH THE OTHER EQUIPMENT SUBMITTALS REQUIRED FOR THIS PROJECT.

31) THE CONTRACTOR SHALL VERIFY COLOR CODES OF SIGNAL CABLE WITH PALM BEACH COUNTY BEFORE ORDERING.

32) DO NOT INSTALL LOOP LEAD-INS WITHIN PAVERS OR IN THE AREA BETWEEN PAVERS AND EDGE OF CURB. FOR ANY INTERSECTIONS WITH PAVERS, THE LEAD-INS NEED TO RUN THROUGH CONDUITS UNDER THE PAVERS.

33) INSTALL PEDESTRIAN SIGNALS PER ADA CLEARANCES, PROVIDING CONTINUOUS UNOBSTRUCTED PEDESTRIAN/WHEELCHAIR CIRCULATION PATH TO PEDESTRIAN AREAS (PUSH BUTTON, RAMP, ETC).

34) THE T-BASE (PEDESTRIAN PEDESTAL BASE) SHALL BE ORIENTED SO THE TECHNICIAN CAN OPEN THE DOOR AND ALSO SEE ON-COMING TRAFFIC. CAULK AS NEEDED IF THERE IS A LARGE GAP BETWEEN CONCRETE FOUNDATION/SIDEWALK AND THE PEDESTAL BASE.

35) PEDESTAL POLE BASE NUT SHOULD BE LARGE ENOUGH TO COVER HOLE AND WASHER.

36) ALL SET SCREWS MUST BE INSTALLED (NONE SHOULD BE MISSING). MOST MANUFACTURES HAVE THEM DESIGNED INTO THE PED BASES FROM FACTORY. WHEN PEDESTAL POLE IS SET AT PROPER DIRECTION, DRILL AND TAP HOLE THRU BASE AND ALUMINUM CONDUIT. SET SCREWS SHOULD GO THROUGH SIDE OF BASE INTO PEDESTAL POLE TO PENETRATE INTO PIPE TO KEEP IT FROM ROTATING. USING A 1/4"x20 SS HEX HEAD BOLT WILL LOCK THE PIPE FROM TURNING.


37) BOLTS SHOULD BE LONG ENOUGH TO PROTRUDE THROUGH THE THREADED HOLE AND HOLD WASHER AND NUT.

38) CAULKING/SEALANT TO BE APPLIED AT ALL SIGNALS FLANGE CONNECTIONS, INCLUDING BUT NOT LIMITED TO THE TOP OF THE FLASHER SIGNAL.

39) THE CONTRACTOR SHALL BUILD NEW ELECTRICAL POWER SERVICE AND DISCONNECT ON MONUMENT WITH A MINIMUM HEIGHT OF EIGHT (8) FEET.

40) THE CONTRACTOR SHALL SUBMIT IN WRITING TO THE MAINTAINING AGENCY FOR FINAL INSPECTION. ALLOW TWO (2) WEEKS FOR INSPECTION.

P:\2016\0460000\Benoist Farms Road\2015509\signage\GWT5501.dgn
5:17:10 PM
1/27/2020

SCALAR CONSULTING GROUP INC. 5713 CORPORATE WAY., SUITE 200 WEST PALM BEACH, FL 33407 TEL: 561-429-5065 JOHN D. WHITAKER, P.E. P.E. NO.: 68599 VENDOR NO. 451909667			NO.	REVISION	BY	DATE	 <div>PALM BEACH COUNTY ENGINEERING AND PUBLIC WORKS ROADWAY PRODUCTION P.O. BOX 21229, WEST PALM BEACH, FLORIDA (561) 684-4150</div>	SCALE: NTS APPROVED: JOW DRAWN: DA CHECKED: SDW DATE: 1/27/2020	<div>GENERAL NOTES (1)</div> <div>BENOIST FARMS ROAD</div> <div>DESIGN FILE NAME GWT5501.dgn</div> <div>DRAWING NO.</div>	SHEET: OF: PROJECT NO. 2015509
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PERMITS

- 41) AT THE TIME OF FINAL ACCEPTANCE OF THE PROJECT, THE CONTRACTOR SHALL FURNISH PALM BEACH COUNTY WITH TWO (2) COMPLETE COPIES OF SIGNED AND SEALED AS-BUILT PLANS AND CONSULTANT TO PROVIDE ELECTRONIC CADD FILES.
- 42) A 90 DAY BURN-IN PERIOD IS REQUIRED FOR ALL TRAFFIC SIGNAL EQUIPMENT. THE BURN-IN PERIOD WILL COMMENCE UPON A WRITTEN CONDITIONAL ACCEPTANCE BY THE COUNTY AND WILL TERMINATE NINETY (90) CONSECUTIVE DAYS, THEREAFTER, UNLESS AN EQUIPMENT MALFUNCTION OCCURS40) THE CONTRACTOR SHALL COORDINATE AND FIELD VERIFY LOCATION(S) OF ELECTRICAL SERVICE POINT PRIOR TO INSTALLING CONDUIT, DISCONNECT SWITCH, TRANSFORMER AND PULL BOXES.
- 43) THE CONTRACTOR SHALL COORDINATE AND FIELD EVERY LOCATION(S) OF ELECTRICAL SERVICE POINT PRIOR TO INSTALLING CONDUIT, DISCONNECT SWITCH, TRANSFORMER AND PULL BOXES.
- 44) THE CONTRACTOR SHALL COORDINATE WORK SCHEDULE, COORDINATE TIMING AND AUTHORIZATION OF POWER SERVICE WITH PALM BEACH COUNTY TRAFFIC ENGINEERING. CONTACT TIMING ENGINEER (561-684-4030) 2 WEEKS IN ADVANCE OF CONSTRUCTION AND TO COORDINATE TIMING CHANGES PRIOR TO LOOP DAMAGE. CONTACT PBC TRAFFIC OPERATIONS (561-233-3900) TO COORDINATE REPLACING THE OLD SCHOOL FLASHERS AND RETIMING THE NEW SCHOOL FLASHERS.
- 45) AFTER THE SIGNAL INSPECTION IS COMPLETED AND ALL OUTSTANDING ISSUES ARE RESOLVED (PUNCH LIST ITEMS COMPLETED), THE CONTRACTOR CAN REQUEST PALM BEACH COUNTY TO SCHEDULE THE SIGNAL ACTIVATION. CONTRACTOR OR CEI SHALL REQUEST ACTIVATION TWO WEEKS IN ADVANCE.
- 46) WITH NEW TRAFFIC SIGNAL INSTALLATION AND PRIOR TO ACTIVATION: VARIABLE MESSAGE SIGNS SHALL BE INSTALLED SEVEN (7) DAYS BEFORE AND SEVEN (7) DAYS AFTER SIGNAL ACTIVATION AS FOLLOWS:

PRIOR TO SIGNAL ACTIVATION
PANEL 1 - TRAFFIC SIGNAL WILL BE
PANEL 2 - ACTIVE ON "DATE" (IE THURS JUNE 25)

AFTER SIGNAL ACTIVATION
PANEL 1 - TRAFFIC SIGNAL
PANEL 2 - NOW ACTIVE

SIGNALIZATION PAY ITEM FOOT NOTES:

- 635-2-11 - TYPICAL SIGNAL PULL BOXES SHALL BE 17"x 30"x 12" IN DIMENSION AND HEAVY-DUTY TIER 15 OR HIGHER. LIDS TO BE MARKED "TRAFFIC SIGNAL"
- 635-2-12 - TYPICAL ITS PULL BOXES SHALL BE 17"x 30"x 24" (SMALL) OR 30"x 48"x 24" (LARGE) AND HEAVY DUTY TIER 15 OR HIGHER. LIDS TO BE MARKED "ITS".
- 649-XX-XXX - AT THE DISCRETION OF THE ENGINEER OF RECORD AND WITH MUTUAL AGREEMENT OF PBC TRAFFIC ENGINEERING FINAL LOCATIONS OF THE MAST ARMS MAY BE ADJUSTED IN THE FIELD IF THERE IS ANY CONFLICT WITH UTILITIES. SIGNAL CONTRACTOR SHALL VERIFY THE PROPOSED FOUNDATION ELEVATIONS.
- 650-1-XX - TRAFFIC SIGNAL HEADS ARE TO BE CAST ALUMINUM. LED MODULES SHALL BE INSTALLED ON ALL SIGNAL DISPLAYS, INCLUDING ARROWS. THESE MODULES SHALL INCLUDE A MANUFACTURER'S WARRANTY OF AT LEAST FIVE YEARS. THE MAXIMUM POWER RATING SHALL BE 10 WATTS FOR RED BALLS, 14 WATTS FOR GREEN BALLS, AND 7 WATTS FOR THE ARROWS. ALL SIGNAL HEADS SHALL HAVE TUNNEL VISORS AND BACK PLATES.
- 660-4-XX - CONTRACTOR SHALL INSTALL ALL VIDEO CAMERA COMPONENTS WHETHER OR NOT THE INTERSECTION HAS THE APPROPRIATE COMMUNICATION MEDIA TO DETECT VEHICLES AND TO MONITOR TRAFFIC FLOW. INCLUDES COSTS OF ALL NECESSARY EQUIPMENT TO INSTALL AND OPERATE THE CAMERA, COAX AND THE POWER CABLES TO THE CAMERA ASSEMBLY; SHOULD BE IN THE SAME JACKETED CABLE AND SHOULD BE RUN IN A SEPARATE CONDUIT AND PULL BOXES WITH NO SPLICES. INITIAL AND FINAL DETECTION ZONES SHALL BE DECIDED BY PALM BEACH COUNTY TRAFFIC ENGINEERING. INSTALLATION SHALL INCLUDE WIRING, MOUNTING, AND ALL NECESSARY HARDWARE. PBC USES ITERIS SYSTEM, OBTAIN COUNTY APPROVAL PRIOR TO PURCHASING SYSTEM.
- 665-1-XX - ALL PEDESTRIAN PUSH BUTTONS SHALL BE ADA ACCESSIBLE. COSTS OF PEDESTRIAN SIGN SHALL BE INCLUDED IN UNIT PRICE FOR PEDESTRIAN DETECTORS.
- 670-5-110-B - INCLUDES THE COST OF ADDITIONAL SHELF'S TO ACCOMMODATE THE EXISTING ITS EQUIPMENT THAT IS BEING RELOCATED.
- 700-5-XX - ILLUMINATED STREET NAME SIGNS SHALL BE DOUBLE SIDED AND FREE SWINGING MOUNTED EXCEPT WHERE NOTED. CONTRACTOR SHALL INSTALL ONE PHOTOCCELL PER INTERNALLY ILLUMINATED STREET NAME SIGN. PER THE FDOT PAY ITEM DETAIL, ALL MOUNTING HARDWARE IS INCLUDED IN THE SIGN PAY ITEM. PER MUTCD, USE CORRECT GREEN TRANSLUCENT FILM FOR SIGN PANEL.
- 715-5-XX - LUMINAIRE SHALL BE AUTOBAHN SERIES, ATB2 LED (80B-1050DRIVE CURRENT, 268 WATTAGE, R4 OPTIC, 120 VOLTS, 4000K), AND EACH FIXTURE SHALL BE PROVIDED WITH PHOTOELECTRIC CELL. A SEPARATE CIRCUIT/BREAKER SHALL BE PROVIDED IN THE SIGNAL DISCONNECT FOR THE MAST ARMS WITH LUMINAIRES, COST OF WHICH IS INCLUDED UNDER THE PAY ITEM.

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SCALAR CONSULTING GROUP INC.
5713 CORPORATE WAY., SUITE 200
WEST PALM BEACH, FL 33407
TEL: 561-429-5065
JOHN D. WHITAKER, P.E.
P.E. NO.: 68599
VENDOR NO. 451909667



NO.	REVISION	BY	DATE



PALM BEACH COUNTY
ENGINEERING AND PUBLIC WORKS
ROADWAY PRODUCTION
P.O. BOX 21223, WEST PALM BEACH, FLORIDA
(561) 684-4150

SCALE: INTS
APPROVED: JDN
DRAWN: DA
CHECKED: SDW
DATE: 1/27/2020

GENERAL NOTES (2)
BENOIST FARMS ROAD

DESIGN FILE NAME
GWT500.dgn

DRAWING NO.

SHEET:
OF:
PROJECT NO.
2015509

PERMITS

FDOT GENERAL NOTES
(FOR WORK AT THE SR-80 INTERSECTION)
(FDOT PERMIT NO. 2020-C-496-00013-93120)

* PERMITTEE WILL COORDINATE (PRE-CONSTRUCTION MEETING, INSPECTIONS, FINAL ACCEPTANCE OF WORK, ETC) ALL PERMITTED WORK WITH ROSIE EVERT AT 561-370-1139 OR EMAIL ROSIE.EVERT@DOT.STATE.FL.US 48 HOURS PRIOR TO CONSTRUCTION. CERTIFICATION ACCEPTANCE AND FINAL APPROVAL IS CONTINGENT UPON CONFORMITY OF ALL WORK COMPLETED ACCORDING TO THIS PERMIT AND THE RESTORATION OF THE RIGHT OF WAY.

* THIS PERMIT IS VALID ONLY FOR WORK PROPOSED WITHIN THE D.O.T. RIGHT-OF-WAY. CERTIFICATION ACCEPTANCE AND FINAL APPROVAL IS CONTINGENT UPON CONFORMITY OF ALL WORK COMPLETED ACCORDING TO THIS PERMIT AND THE RESTORATION OF THE RIGHT OF WAY.

* A STAFF MEMBER OF THE PERMITTEE/UAO SHALL ATTEND ALL REQUIRED FDOT FIELD MEETINGS AND/OR INSPECTIONS.

* ALL MATERIALS AND CONSTRUCTION WITHIN THE FLORIDA DEPARTMENT OF TRANSPORTATION DESIGN (FDOT) RIGHT-OF-WAY SHALL CONFORM TO THE "LATEST VERSION OF FDOT STANDARD PLANS FOR ROAD AND BRIDGE CONSTRUCTION AND LATEST VERSION OF THE STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION".

* ALL MAINTENANCE OF TRAFFIC (MOT) FOR THIS PROJECT WILL BE IN COMPLIANCE WITH THE DEPARTMENTS CURRENT EDITION OF THE FDOT STANDARD PLANS FOR ROAD AND BRIDGE CONSTRUCTION INDICES. (102-600 SERIES) AND THE LATEST EDITION OF THE MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES (MUTCD). THE OPERATIONS ENGINEER OR HIS DESIGNEE RESERVES THE RIGHT TO DIRECT THE REMOVAL/RELOCATION/MODIFICATION OF ANY TRAFFIC DEVICES(S) AT THE PERMITTEE'S SOLE EXPENSE. SPECIAL ATTENTION WILL BE GIVEN TO INDICES 102-611, 102-612, 102-613, AND 102-660.

* STRUCTURAL INSPECTION: CALL FOR A PRELIMINARY STRUCTURAL INSPECTION:

-THE DEPARTMENT REQUIRES AN ANTICIPATED DATE OF INSPECTION OF STRUCTURES AT THE BEGINNING OF THE PROJECT. A TENTATIVE DATE SHALL BE THE SCHEDULE AT THE PRE-CON. IF THE ESTIMATED SCHEDULE CHANGES BY MORE THAN A FEW MONTHS THEN DEPARTMENT WOULD EXPECT TO BE NOTIFIED OF THE NEW DATES.

-ONCE THE MAIN ASSEMBLY OF THE STRUCTURE HAVE BEEN MOUNTED ONTO THEIR RESPECTIVE FOUNDATION(S), A *PRE-ACCEPTANCE STRUCTURAL INSPECTION* IS REQUIRED BY THE DEPARTMENT. IT IS THE RESPONSIBILITY OF THE QUALIFIED STRUCTURAL CEI THAT HAS BEEN CONTRACTED THROUGHOUT THE CONSTRUCTION TO CONTACT THE DEPARTMENT AND SCHEDULE THE FIELD INSPECTION. THIS INSPECTION SHALL BE CONDUCTED PRIOR TO GROUTING THE BASE(S) TO INCLUDE THE INSPECTION OF THE LEVELING BOLTS ALONG WITH THE FOUNDATION AND STRUCTURE. ALL PUNCH LIST ITEMS MUST BE COMPLETED AT THE TIME OF THE PRE-INSPECTION. A 2-WEEK ADVANCED NOTIFICATION IS REQUIRED FOR PRE-ACCEPTANCE INSPECTIONS WHICH MUST INCLUDE A LIST OF OUTSTANDING PUNCH LIST ITEMS, THE STRUCTURE PLANS/SHOP DRAWINGS, AND A STRUCTURE NUMBER REQUEST FORM FILLED OUT.

* PERMITTEE WILL MAINTAIN TEN (10) TIMES THE BORE DIAMETER FOR MINIMUM DEPTH OF COVERAGE. MULTIPLE PULL BACKS WILL BE THE AGGREGATE OF THE DIAMETERS TIMES TEN (10) TO OBTAIN THE MINIMUM DEPTH OF COVERAGE IN INCHES.

* ALL THERMOPLASTIC TRAFFIC STRIPES, MARKINGS AND SIGNAGE WILL BE INSTALLED PER THE FDOT STANDARD PLANS FOR ROAD AND BRIDGE CONSTRUCTION.

* FOR ANY UNDERGROUND WORK, THE CONTRACTOR MUST CONTACT SIGNAL TRAFFIC CONTROL MAINTAINING AGENCY PRIOR TO CONSTRUCTION.

* ALL UTILITY POLES, MAST ARM ASSEMBLIES, STRAIN POLES, DOWN GUYS, ELECTRICAL SWITCHES, ELECTRONIC CABINETS, SIGN(S), FIRE HYDRANTS, PEDESTALS, WELLS & PUMP HEAD ASSEMBLIES & ASSOCIATED ABOVE GROUND IRRIGATION, CONTROL PANELS AND APPURTENANCES SHALL BE INSTALLED IN ACCORDANCE WITH LATERAL OFFSETS AND CLEAR ZONE DETAILS.

* DRAINAGE INLET TOP, INCLUDING GRATE, WILL BE REMOVED AND DELIVERED TO WPB OPERATIONS BY THE PERMITTEE/CONTRACTOR AT THEIR EXPENSE OR AS DIRECTED BY THE OPERATIONS ENGINEER.

* PERMITTEE MUST OBTAIN FDOT UTILITY PERMIT FOR RELOCATION/INSTALLATION OF UTILITY FACILITIES WITHIN FDOT R/W PRIOR TO COMMENCING PERMITTED WORK. ALSO ENSURE ALL UTILITY WORK PERFORMED WITHIN FDOT R/W OBTAINS PROPER UTILITY PERMITS BY RESPECTIVE UAO'S.

* PERMITTEE WILL RESTORE SWALE AREA ADJACENT TO PROPERTY/PROJECT LIMITS (4:1 OR FLATTER) AS DIRECTED BY THE DEPARTMENT'S OPERATION ENGINEER OR THEIR DESIGNEE.

* PERMITTEE SHALL RETURN ALL DRAINAGE GRATE, SIGNS, AND GUARDRAIL REQUIRED TO BE REMOVED AND DELIVER IT TO THE PALM BEACH OPERATIONS CENTER, 7900 W FOREST HILL BLVD AT THEIR EXPENSE OR AS DIRECTED BY THE OPERATIONS ENGINEER.

* PERMITTEE WILL MATCH ABUTTING PAVEMENT SECTION ADJACENT TO PERMITTED WORK WHICH INCLUDES THICKNESS AND TYPE OF ASPHALT & BASE &SUBGRADE MATERIAL OR AS DIRECTED BY THE LOCAL RESIDENT OPERATIONS ENGINEER OR DESIGNEE.

* SHALLOW POLE REMOVAL: SHALL CONSIST OF COMPLETELY REMOVING EACH POLE INCLUDING THE FOUNDATION AND ALL ACCESSORIES AND ATTACHMENTS, SUCH AS POLE KEYS, DEAD MEN, GUYING APPARATUS, CONDUIT, ANCHOR BOLTS AND REINFORCING STEEL.

* IT IS THE PERMITTEE'S RESPONSIBILITY TO OBTAIN FINAL ACCEPTANCE OF PERMITTED WORK (COMPLETED) AND THE RESTORATION OF THE RIGHT-OF-WAY FROM THE FDOT PRIOR TO USAGE.

* PERMITTEE WILL PROVIDE THE NECESSARY DENSITIES IN ACCORDANCE WITH SECTION 125-8 OF THE FDOT STANDARD SPECIFICATIONS FOR ROAD & BRIDGE CONSTRUCTION (LATEST EDITION) PRIOR TO FINAL ACCEPTANCE BY THE FDOT.

* PERMITTEE WILL RESTORE THE RIGHT OF WAY AT A MINIMUM, TO ITS ORIGINAL CONDITION OR BETTER IN ACCORDANCE WITH FDOT LATEST STANDARD SPECIFICATIONS FOR ROAD & BRIDGE CONSTRUCTION OR AS DIRECTED BY THE RESIDENT OPERATIONS ENGINEER.

* DURING THE REMOVAL/INSTALLATION OF ANY CURB AND GUTTER SECTION, THE PERMITTEE WILL BE RESPONSIBLE FOR ANY DAMAGE DONE TO THE ABUTTING ASPHALT. THE DAMAGED ASPHALT REPAIR WILL BE IN ACCORDANCE WITH THE CURRENT FDOT SPECIFICATIONS AND/OR AS DIRECTED BY THE RESIDENT OPERATIONS ENGINEER.

* ALL PUBLIC SIDEWALK CURB RAMPS WILL MEET THE FDOT STANDARD PLANS FOR ROAD AND BRIDGE CONSTRUCTION (CURRENT EDITION) INDEX NO. 522-002. CURB/RAMP INSPECTIONS REQUIRED PRIOR TO INSTALLATION OF CONCRETE.

* PERMITTEE SHALL PROVIDE THE PRODUCER'S CERTIFICATION (DELIVERY TICKET) FOR THE NS CONCRETE-2500 PSI (USED FOR SIDEWALK, CURB & GUTTER, DITCH PAVEMENT AND TRAFFIC SEPARATOR) PRIOR TO FINAL ACCEPTANCE BY FDOT. THE DELIVERY TICKET SHALL CERTIFY THE CONCRETE WAS BATCHED, DELIVERED AND PLACED IN ACCORDANCE WITH SECTION 347 OF THE FDOT STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION (CURRENT EDITION).

* PERMITTEE WILL PROVIDE THE PRODUCER'S CERTIFICATION FOR THE PRECAST COLLAR, SUPPORT SLAB, INLET GRATING, PIPE AND CLASS 1 CONCRETE, ETC. PRIOR TO FINAL ACCEPTANCE BY F.D.O.T. THE CERTIFICATION MUST BEAR THE ORIGINAL SIGNATURE OF A LEGALLY RESPONSIBLE PERSON FROM THE PRODUCER AND IS PROVIDED ON THE PRODUCER'S LETTERHEAD.

* PERMITTEE WILL BE REQUIRED TO DELIVER ALL SALVAGEABLE GUARDRAIL AND APPURTENANCES REMOVED, WITHIN THE LIMITS OF CONSTRUCTION TO THE WEST PALM BEACH OPERATIONS CENTER PRIOR TO OBTAINING FINAL ACCEPTANCE BY THE DEPARTMENT.

* PERMITTEE WILL INSTALL GUARDRAIL IN ACCORDANCE WITH STANDARD PLANS FOR ROAD AND BRIDGE CONSTRUCTION INDEX 536-001 (I.E. OFFSETS FROM HAZARDS, END TREATMENTS, MOWING STRIP, ETC.).

* PERMITTEE SHALL "STEP CUT" BOTH THE BASE ROCK AND THE STRUCTURAL ASPHALT. "STEP CUT"FOR BASE ROCK SHALL BE 8" VERTICAL BY 12" HORIZONTAL.

* REMOVAL/INSTALLATION OF SIDEWALK WILL BE IN ACCORDANCE WITH STANDARD PLANS FOR ROAD AND BRIDGE CONSTRUCTION INDEX 522-001.

* SODDED AREAS WILL BE IN ACCORDANCE WITH FDOT STANDARD PLANS FOR ROAD AND BRIDGE CONSTRUCTION INDEX 570-010 AND SECTIONS 162, 981, 982, 983, 987 OF THE FDOT'S STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION, LATEST EDITION. ALL DISTURBED AREAS WILL BE SODDED WITHIN ONE (1) WEEK OF INSTALLATION OF SAID PERMITTED WORK.

* PERMITTEE SHALL MILL (MIN DEPTH OF 1 5/8") AND RESURFACE THE AFFECTED LANES AS DIRECTED. THE REPLACEMENT PAVEMENT TYPE SHALL BE IN ACCORDANCE WITH THE F.D.O.T.'S FRICTION COURSE POLICY, LATEST EDITION, EXCEPT WHERE PERMISSION IS GIVEN BY THE LOCAL RESIDENT OPERATIONS ENGINEER.

* OWNERSHIP OF ALL SUITABLE EXCAVATED MATERIALS WITHIN THE FDOT R/W, AS DETERMINED BY THE FDOT, SHALL REMAIN IN THE DEPARTMENT UNTIL A FINAL ACCEPTANCE OF THE PERMITTED PROJECT IS FULFILLED. EXCAVATED MATERIALS SHALL BE HAULED BY THE CONTRACTOR, AT THEIR COST & EXPENSE FROM THE SITE TO THE PALM BEACH OPERATIONS CENTER, 7900 W FOREST HILL BLVD OR STOCKPILED IN THOSE AREAS AS DIRECTED BY THE DOT, INCLUDING ASPHALT MILLINGS.

* RESTRICTED HOURS OF OPERATION FOR LANE CLOSURES WILL BE FROM 9:00AM TO 4:00 PM, (MONDAY-FRIDAY), UNLESS OTHERWISE APPROVED BY THE OPERATIONS ENGINEER, OR DESIGNEE. MOT SHALL BE PICKED UP BY 4:00 PM AND NOT START BEFORE 9:00 AM.

* PERMITTEE'S REPRESENTATIVE & AN F.D.O.T. INSPECTOR MUST BE ON SITE DURING ALL BORING ACTIVITIES. UPON COMPLETION OF THE BORING ACTIVITIES, PERMITTEE SHALL PROVIDE ALL DOCUMENTATION TO BE IN ACCORDANCE WITH FDOT STANDARD SPECIFICATIONS, SECTION 555 OR 556, WHICHEVER IS APPLICABLE.

* CONTRACTORS PERFORMING DIRECTIONAL DRILLING AND/OR JACK AND BORE ACTIVITIES SHALL PROVIDE THE FDOT (PERMITS OFFICE) PROOF OF A PROPER STATE CONTRACTOR'S LICENSE, CERTIFICATE OF LIABILITY INSURANCE AND MOT CERT W/ 24/7 CONTACT # AND EMAIL ATTACHED PRIOR TO ANY COMMENCEMENT OF PERMITTED WORK.

* PERMITTEE WILL ENSURE THAT ALL LOCATES HAVE BEEN PERFORMED PRIOR TO SCHEDULING OF ANY BORING ACTIVITIES. THIS SHALL INCLUDE SOFT DIGS TO VERIFY VERTICAL & HORIZONTAL ALIGNMENT.

* PERMITTEE'S CONTRACTORS THAT ARE PERFORMING PERMITTED WORK ACTIVITIES SHALL PROVIDE THE F.D.O.T. (PERMIT OFFICE) PROOF OF A PROPER STATE CONTRACTOR'S LICENSE, CERTIFICATE OF LIABILITY INSURANCE AND MOT CERT W/ 24/7 CONTACT # AND EMAIL ATTACHED PRIOR TO ANY COMMENCEMENT OF PERMITTED WORK.

* PERMITTEE SHALL OBTAIN A FDOT UTILITY PERMIT FOR INSTALLATION AND/OR RELOCATION OF EXISTING UTILITY FACILITIES PRIOR TO COMMENCING WORK IN THE FDOT R/W.

* ALL PULL BOXES SHALL HAVE A 1' WIDE (MIN) X 6"DEEP CONTINUOUS CONCRETE APRON SLOPED AWAY FROM BOX. (TYPICALLY 1%).


* PRIOR TO ANY WORK REQUIRING LANE CLOSURES, MOBILE OPERATIONS OR TRAFFIC PACING OPERATIONS, THE CONTRACTOR OR PERMITTEE SHALL SUBMIT A REQUEST TO THE DEPARTMENT THAT INCLUDES THE TIME, LOCATION, AND DESCRIPTION OF THE WORK BEING PERFORMED. THE LANE CLOSURE REQUEST SHALL BE SUBMITTED TO THE DEPARTMENT A MINIMUM OF 2 WEEKS PRIOR TO THE PROPOSED CLOSURE DATE AND MUST BE APPROVED BY THE DEPARTMENT BEFORE WORK, REQUIRING THE CLOSURE WITHIN FDOT R/W. YOU MUST ALSO COMPLY WITH THE LANE CLOSURE ANALYSIS AS OUTLINED IN THE FDOT DESIGN MANUAL (FDM) 241.1 & 240.4.2.7. THE REQUEST SHALL BE ENTERED INTO THE LANE CLOSURE INFORMATION SYSTEM (LCIS) BY THE PERMITTEE AT THE FOLLOWING URL ADDRESS: [HTTPS://WWW.FDOT.LCIS.COM/LOGIN.ASPX](https://www.fdot.lcis.com/login.aspx). EACH REQUEST WILL BE RECEIVED BY THE APPROPRIATE DEPARTMENT PERSONNEL FOR COMPLIANCE WITH CONTRACT OR PERMIT REQUIREMENTS AND COORDINATION WITH ADJACENT PROJECTS OR WORK ACTIVITIES.

* PERMITTEE WILL PROVIDE THE F.D.O.T. WITH CERTIFIED "AS-BUILT"PLANS PRIOR TO FINAL ACCEPTANCE OF THE PERMITTED WORK.

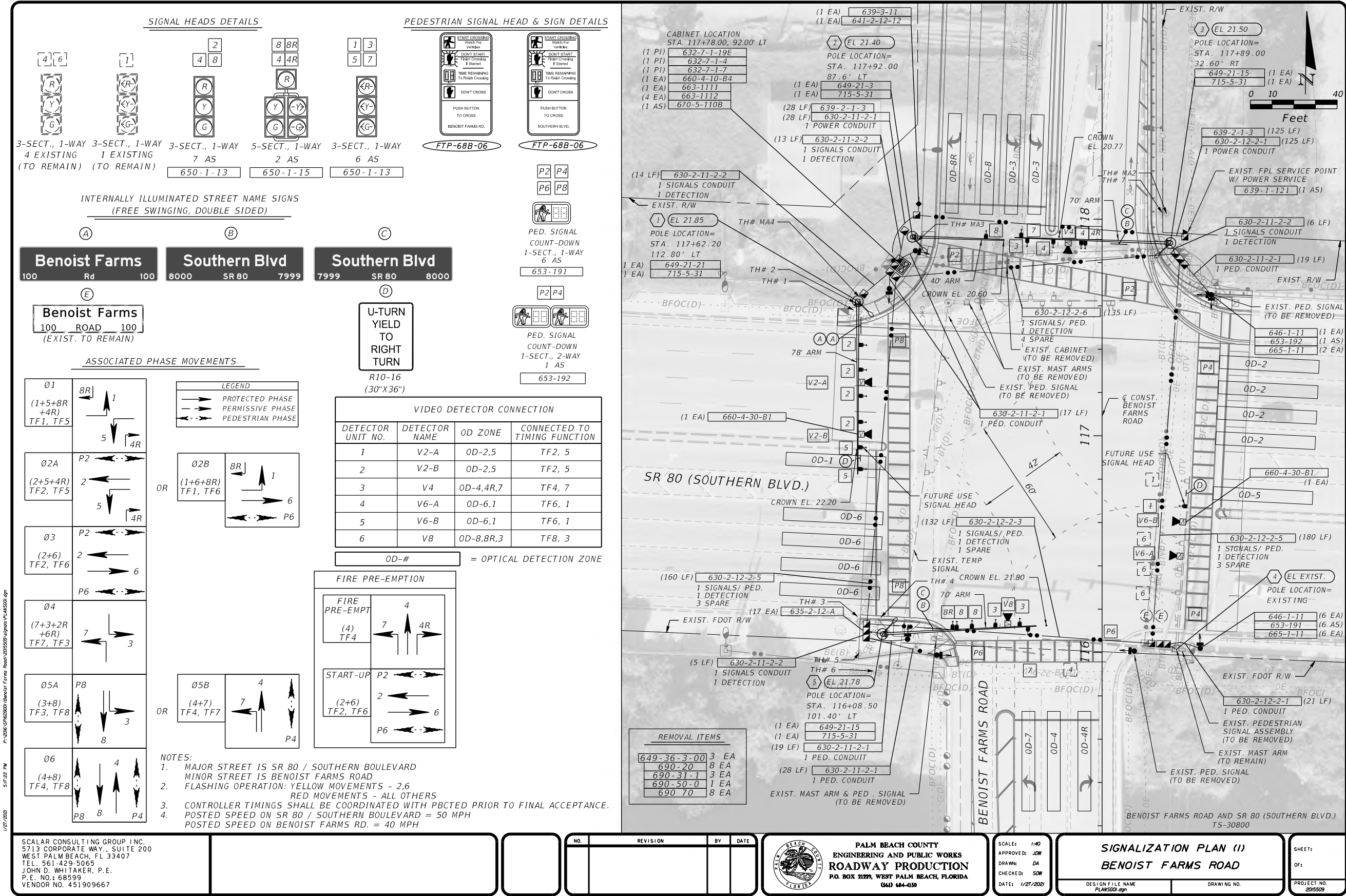
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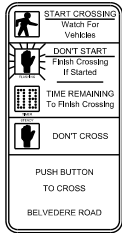
SCALAR CONSULTING GROUP INC. 5713 CORPORATE WAY., SUITE 200 WEST PALM BEACH, FL 33407 TEL. 561-429-5065 JOHN D. WHITAKER, P.E. P.E. NO.: 68599 VENDOR NO. 451909667			NO. REVISION BY DATE	 <div>PALM BEACH COUNTY ENGINEERING AND PUBLIC WORKS ROADWAY PRODUCTION P.O. BOX 21229, WEST PALM BEACH, FLORIDA (561) 684-4150</div>	SCALE: NTS APPROVED: JOW DRAWN: DA CHECKED: SDW DATE: 1/27/2020	<div>GENERAL NOTES (3) BENOIST FARMS ROAD</div> <div>DESIGN FILE NAME: GWT500.dgnDRAWING NO.</div>	SHEET: OF: PROJECT NO. 2015509
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PERMITS



PERMITS

PEDESTRIAN SIGNAL HEAD & SIGN DETAILS



FTP-68B-06



PED. SIGNAL
COUNT-DOWN
1-SECT., 1-WAY

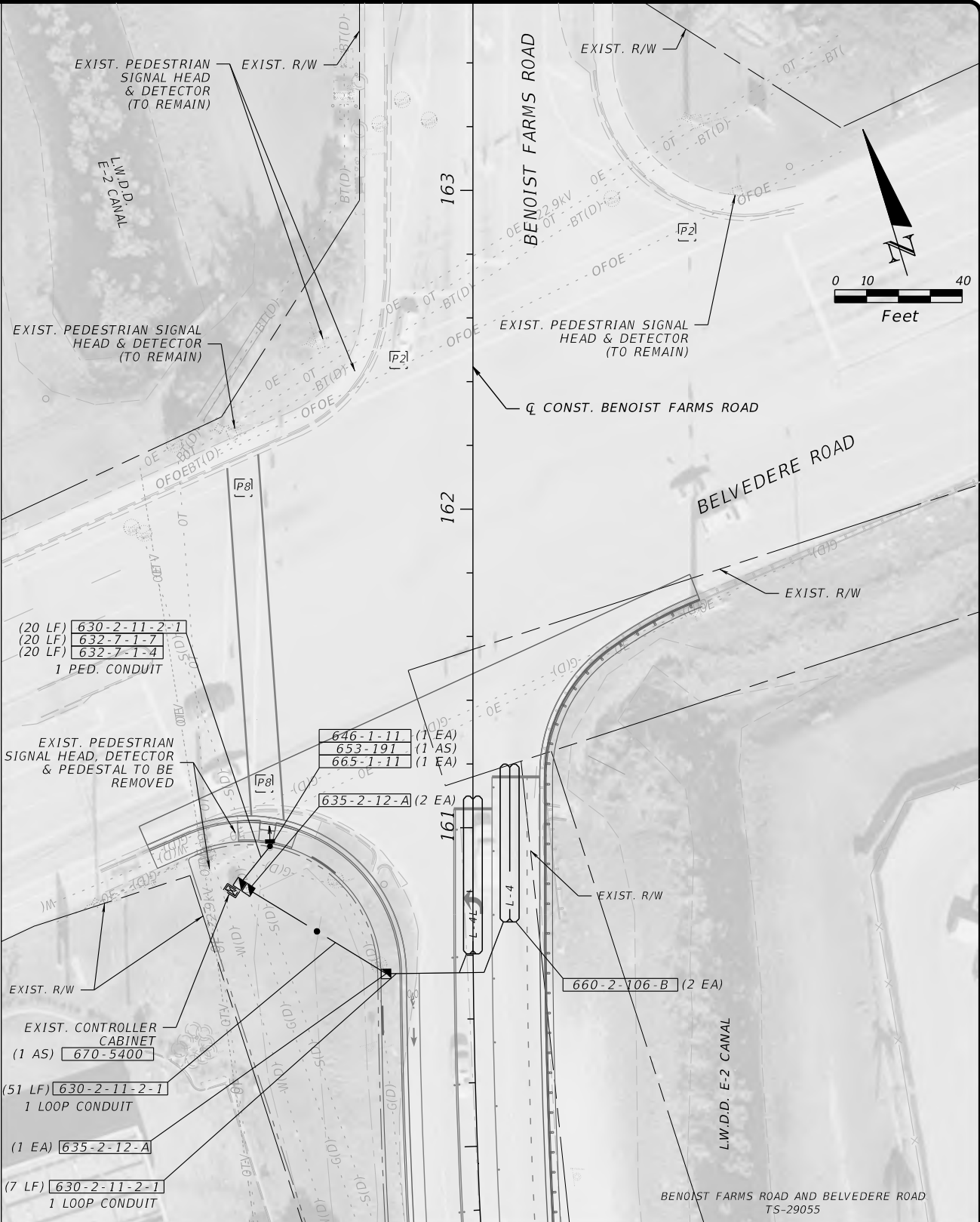
653-191 1 AS

REMOVAL ITEMS

690-20	1 EA
690-31-1	1 EA
690-70	1 EA

NOTES:

- MAJOR STREET IS BELVEDERE ROAD.
MINOR STREET IS BENOIST FARMS ROAD.
- POSTED SPEED ON BENOIST FARMS RD. = 40 MPH
POSTED SPEED ON BELVEDERE = 45 MPH
- ALL CONTROLLER TIMINGS SHALL REMAIN AS IS.
- ALL EXISTING SIGNAL EQUIPMENT TO REMAIN UNLESS CALLED OUT IN PLANS.



SCALAR CONSULTING GROUP INC.
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WEST PALM BEACH, FL 33407
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NO.	REVISION	BY	DATE

PALM BEACH COUNTY
ENGINEERING AND PUBLIC WORKS
ROADWAY PRODUCTION
P.O. BOX 21229, WEST PALM BEACH, FLORIDA
(561) 684-4150

SCALE: 1/40
APPROVED: JOW
DRAWN: DA
CHECKED: SDW
DATE: 1/27/2021

SIGNALIZATION PLAN (2)
BENOIST FARMS ROAD

DESIGN FILE NAME
PLANS002.dgn

DRAWING NO.

SHEET:

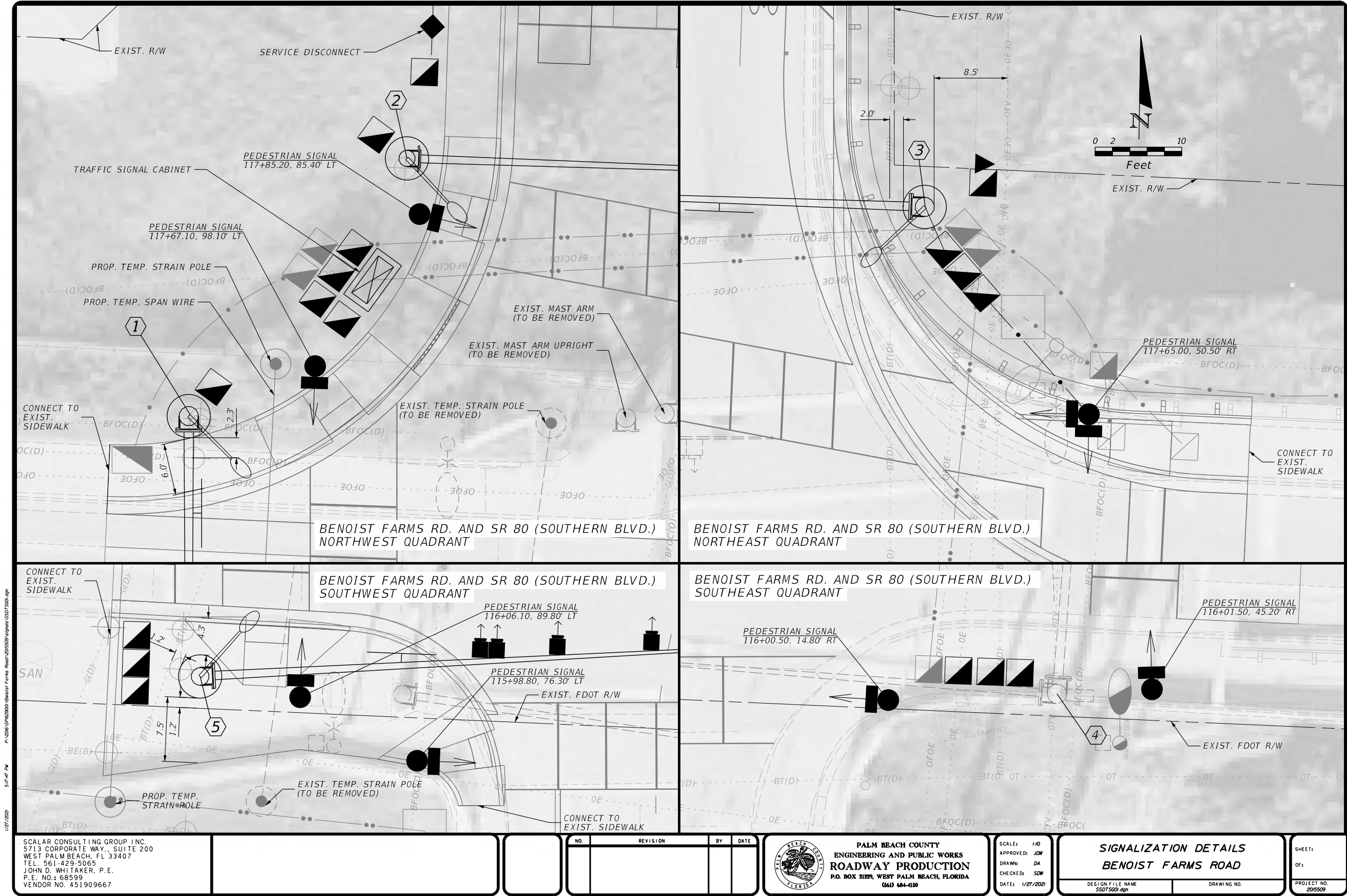
OF:

PROJECT NO.
205509

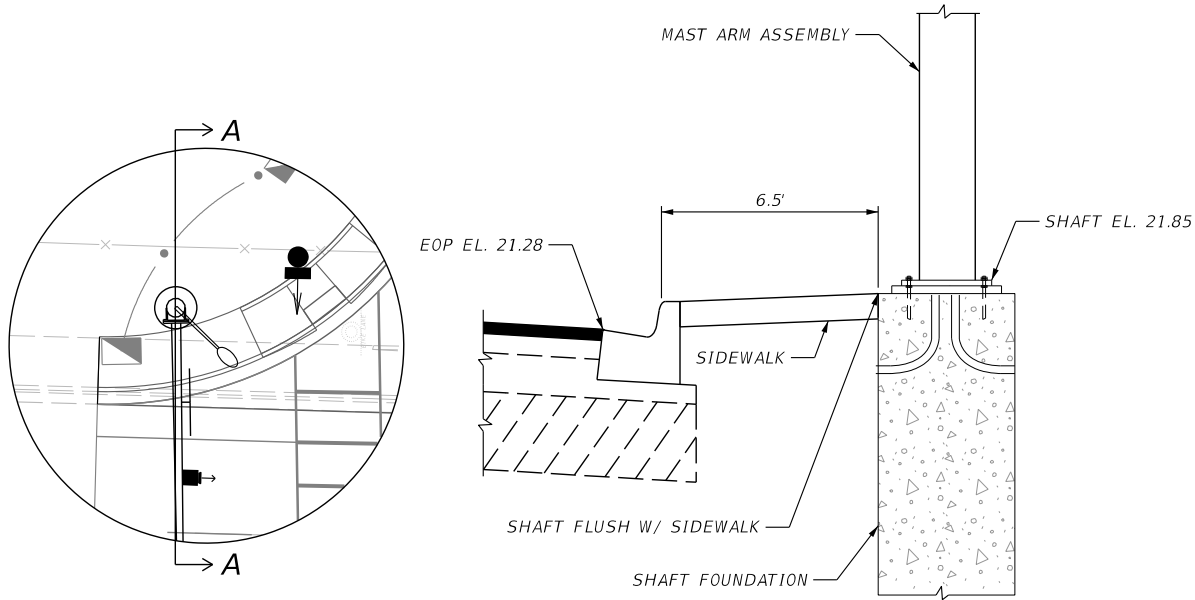
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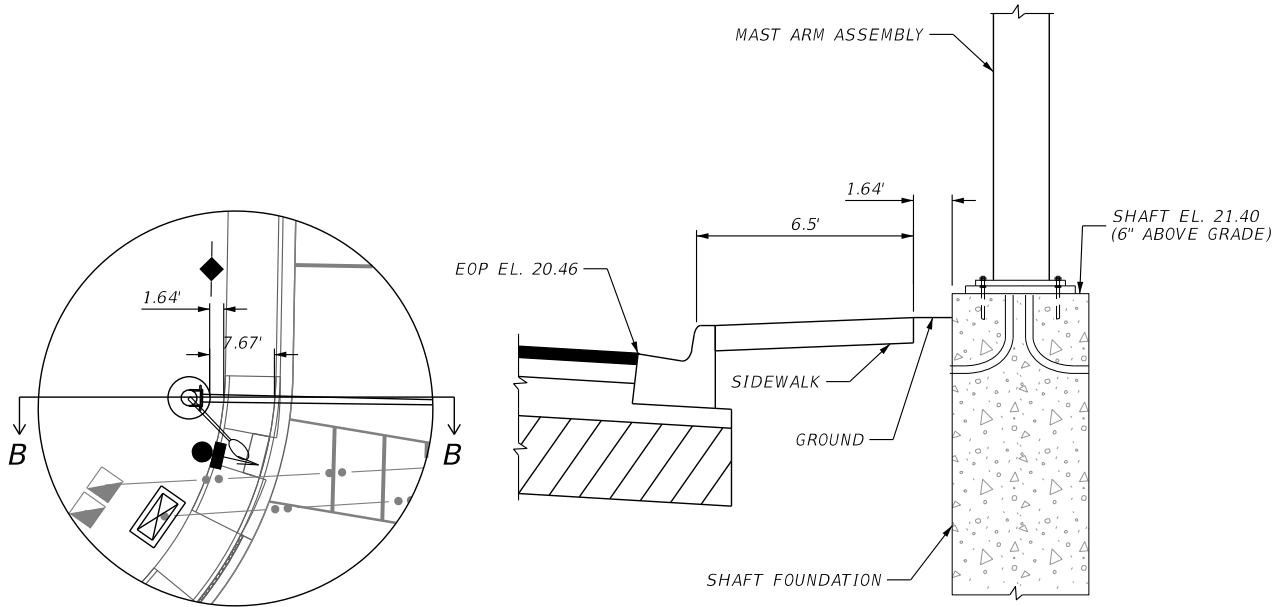
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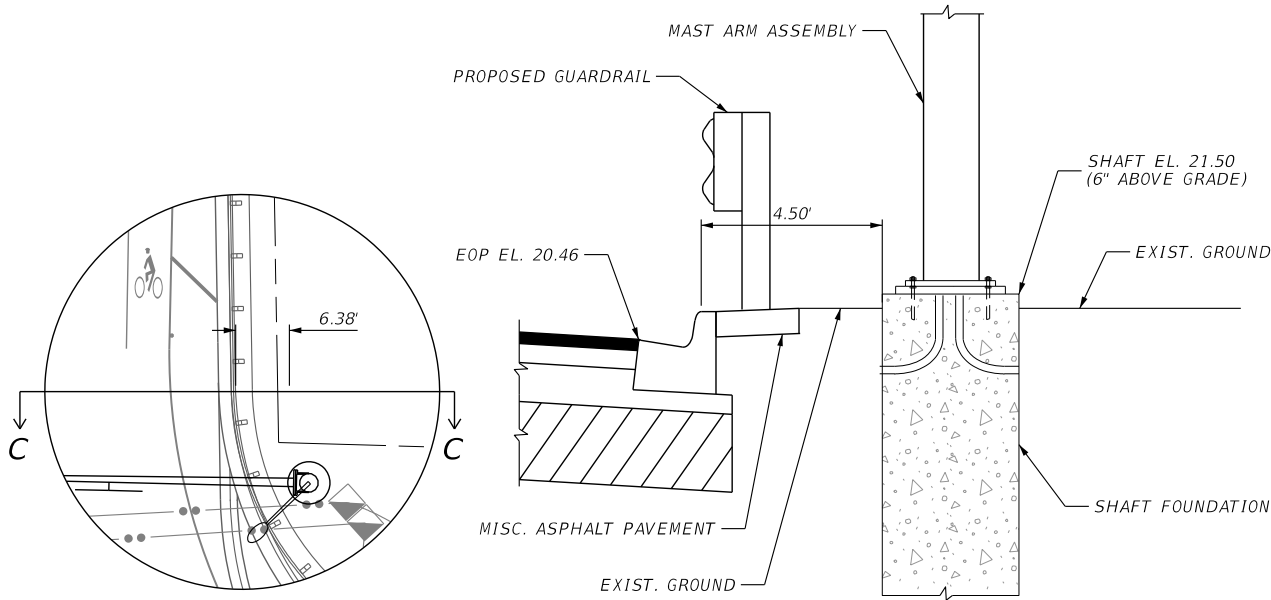
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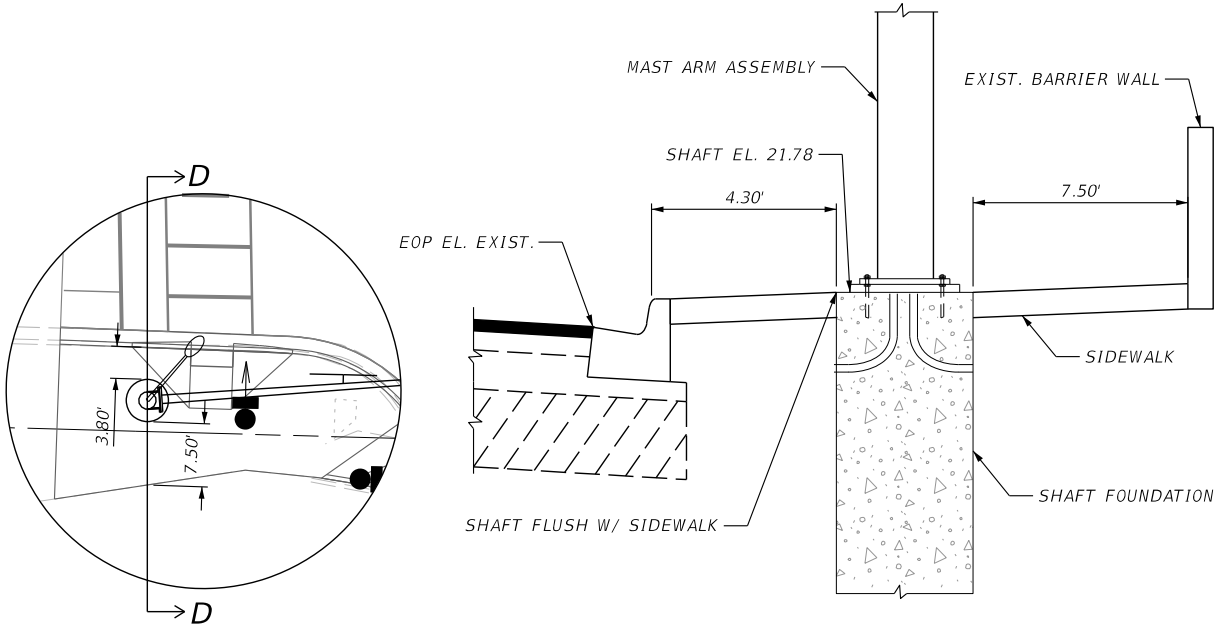
MAST ARM #1



MAST ARM #2



MAST ARM #3

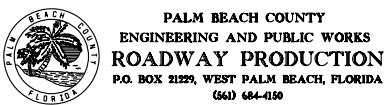


MAST ARM #5

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5713 CORPORATE WAY., SUITE 200
WEST PALM BEACH, FL 33407
TEL. 561-429-5065
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P.E. NO.: 68599
VENDOR NO. 451909667

NO.	REVISION	BY	DATE

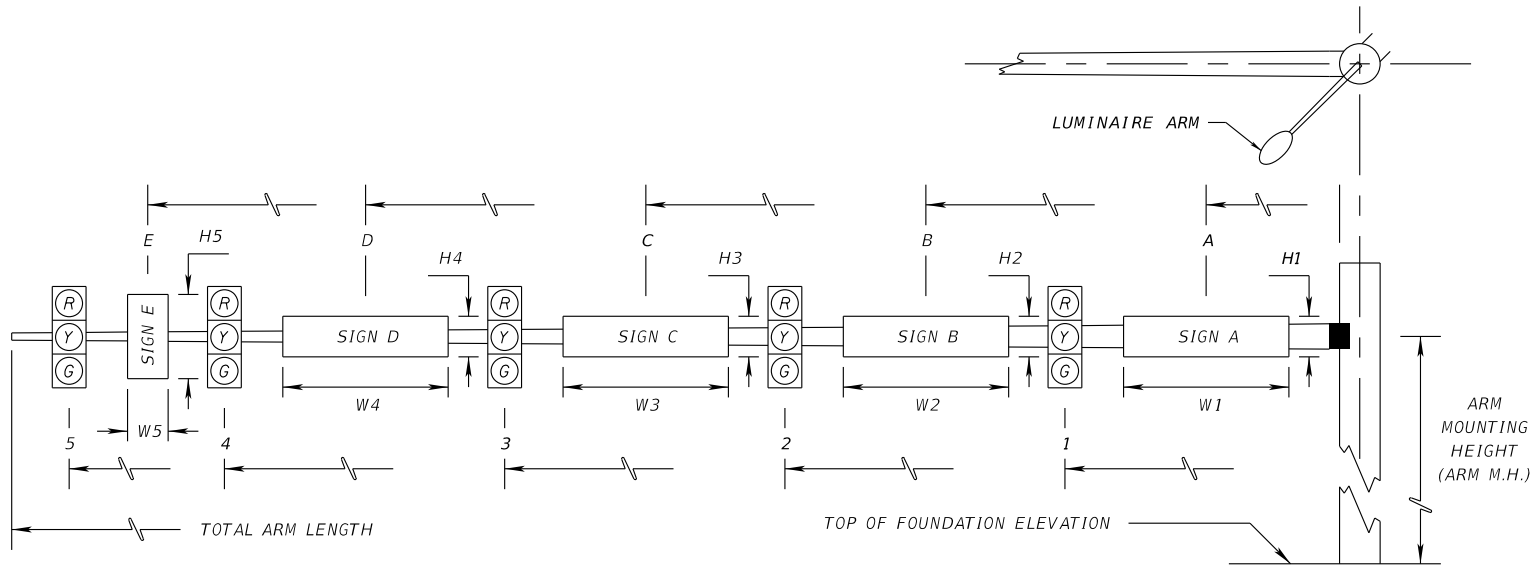


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APPROVED: JOW
DRAWN: DA
CHECKED: SDW
DATE: 1/27/2021

MAST ARM FOUNDATION DETAIL
BENOIST FARMS ROAD
DESIGN FILE NAME: SSD15002.dgn
DRAWING NO.

SHEET: 205509
OF: 205509
PROJECT NO. 205509

PERMITS



* DENOTES NUMBER OF SECTIONS IN SIGNAL HEAD ASSEMBLY

						SIGNAL DATA														SIGN DATA																				
ID NO.	SHEET NO.	LOCATION BY STA.	TOP OF FOUND. ELEVATION	RDWY ARM NO.	CROWN ELEV.	SIGNAL V/H	BACK PLATES Y/N	PED. SIGNAL Y/N	DISTANCE FROM POLE														TOTAL ARM LENGTH	ARM M.H.	ANGLE BETWEEN DUAL ARMS 90/270	DISTANCE FROM POLE / HEIGHT AND WIDTH OF SIGN														PAINT COLOR
									1	*	2	*	3	*	4	*	5	*	6	*						A	H1	W1	B	H2	W2	C	H3	W3	D	H4	W4			
1	T-4	117+62.20	21.85	1	22.20	V	Y	N	19.0	3	30.5	3	42.5	3	54.5	3	66.5**	3	76.5	3	78	20.5		10	2	8	36	VIDEO	60	VIDEO	71.3	3	2.5	GALVANIZED						
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2	T-4	117+92.00	21.40	1	20.60	V	Y	N	33.0	3											40	20													GALVANIZED					
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3	T-4	117+89.00	21.50	1	20.80	V	Y	N	39.0	5	53.0	3	65.0	3	68.0	3					70	20		22.5	2	8	46	VIDEO							GALVANIZED					
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4	T-4	EXIST.	EXIST.	1	EXIST.	V	Y	N	EXIST.		EXIST.		EXIST.		65**	3	EXIST.				EXIST.			EXIST.			42	VIDEO	58	VIDEO	71.3	3	2.5	EXIST.						
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5	T-4	116+08.50	21.78	1	21.80	V	Y	N	32.3	5	40.3	3	51.3	3	62.3	3	66.3	3			70	20.5		22.3	2	8	57	VIDEO							GALVANIZED					
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PERMITS

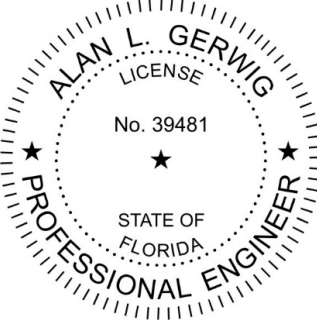
STANDARD MAST ARM ASSEMBLIES DATA TABLE												Table Date 11-01-16	
STRUCTURE ID NUMBERS	ASSEMBLY ⁽¹⁾ NUMBERS	FIRST ARM			SECOND ARM			UF (deg)	LL (deg)	POLE			DRILLED SHAFT ID
		ARM TYPE	FAA ⁽²⁾ (ft.)	FBA ⁽²⁾ (in.)	ARM TYPE	FAA ⁽²⁾ (ft.)	FBA ⁽²⁾ (in.)			POLE TYPE	UAA ⁽³⁾ (ft.)	UB (ft.)	
1	A78/S/H-P6/S/L	A78/S/H								P6/S/L		20.5	SEE BELOW
2	A40/S-P2/S/L	A40/S								P2/S/L		20	SEE BELOW
3	A70/S/H-P5/S/L	A70/S/H								P5/S/L		20	SEE BELOW
4	-----	-----											
5	A78/S/H-P5/S/L	A78/S/H	31							P5/S/L		20.5	SEE BELOW

NOTES:

- 1.If an entry appears in column FAA, a shorter arm is required. This is obtained by removing length from the arm tip and the arm length shortened from FA to FAA. SAA Similar.
- 2.If an entry appears in column UAA, a shorter pole is required. This is obtained by removing length from the pole tip and the pole height shortened from UA to UAA.
- 3.Arm mounting height UB must be between 18-22 feet.
- 4.Pole types P2 and larger require a minimum 4.5 foot diameter drilled shaft. Pole types P5 and larger require a minimum 5.0 foot diameter drilled shaft.
- 5.Work this sheet with the Signal Designer's "Mast Arm Tabulation". See "Mast Arm Tabulation" for special instructions that include non-standard Handhole location, paint color, terminal compartment requirement, and pedestrian features.
- 6.Work with Index 649-030 and 649-031.

SPECIAL MAST ARM ASSEMBLIES DATA TABLE																							Table Date 07-01-15		
STRUCTURE NUMBER	POLE BASE CONNECTION (in)					SHAFT AND REINF.								LUMINAIRE AND LUMINAIRE CONNECTION											
	#Bolts	BA	BB	BC	BF	DA(ft)	DB(ft)	RA	RB	RC	RD(in)	RE	RF(in)	LA(ft)	LB(ft)	LC(in)	LD(in)	LE	LF(ft)	LG(in)	LH(in)	LJ(in)	LK(in)	LL(deg)	
1	8	42	2.5	2.25	45	26	5.0	11	19	12	8			40	10	3	0.125	0.5	8	0.5	0.75	0.25	0.25	45	
2	6	34	2.5	2	40	12	4.5	11	15	8	12			40	10	3	0.125	0.5	8	0.5	0.75	0.25	0.25	315	
3	8	40	2.5	2	40	26	5.0	11	19	12	8			40	10	3	0.125	0.5	8	0.5	0.75	0.25	0.25	45	
4	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	
5	8	40	2.5	2	40	19	5.0	11	19	12	8			40	10	3	0.125	0.5	8	0.5	0.75	0.25	0.25	45	

- NOTES:
- 1.Work with Index 649-030 AND 649-031.
- 2.Design Wind Speed =170 mph
- FOUNDATION NOTES:
- 1.Design based on Borings taken sealed by: RADISE International.
- 2.Structural Class IV (Drill Shaft) f'c =4000 psi
- 3.Reinforcing Steel, Grade 60 ksi



THIS ITEM HAS BEEN DIGITALLY SIGNED AND SEALED BY ALAN GERWIG ON THE DATE ADJACENT TO THE SEAL. PRINTED COPIES OF THIS DOCUMENT ARE NOT CONSIDERED SIGNED AND SEALED. THE SIGNATURE MUST BE VERIFIED ON THE ELECTRONIC DOCUMENT.

FINAL PLANS

Alan Gerwig & Associates, Inc.

12798 W. Forest Hill Blvd., Suite 201
Wellington, FL 33414
CA #7969

Ph: (561) 792-9000
Fax: (561) 792-9901
Project No. 16-034

Civil and Structural Engineers

Scale: AS NOTED
Approved: SAC
Drawn: RDS
Checked: ALG
Date: 01-08-21

No.

Revision

By

Date

PALM BEACH COUNTY
ENGINEERING AND PUBLIC WORKS
ROADWAY PRODUCTION
P.O. BOX 21229, WEST PALM BEACH, FLORIDA

SIMON A. COLEMAN, P.E.
License No. 68929

BENOIST FARMS ROAD
FROM S.R. 80 (SOUTHERN BLVD.) TO BELVEDERE ROAD

MAST ARM DATA TABLE

Sheet:

Of:

Project No.: 2015509

PERMITS

SIGN NAMEA

QTY1

SIGN NUMBER

STATION(S)

PANEL

BORDER

117+63

WIDTH8'-0"

WIDTH0.5"

HEIGHT2'-0"

RADII1.5"

LEGENDWhite

COLORWhite

COLORGreen

SYMBOL(S)

ANGLE

X

Y

WID

HT

SIGN NUMBER

NUMBER OF POSTS

CLEARANCE Edge Of Lane

COLUMN SIZE

AVERAGE LENGTH

NO. OF LIGHT FIXTURES

FIXTURE SPACING

PHOTOMETRIC CURVE

WATT

VOLTAGE

COPY

SPACE

COPY

SPACE

COPY

SPACE

COPY

SPACE

COPY

SPACE

COPY

SPACE

COPY

SPACE

COPY

SPACE

SIGN NAMEB

QTY2

SIGN NUMBER

STATION(S)

PANEL

BORDER

116+09

WIDTH8'-0"

WIDTH0.5"

HEIGHT2'-0"

RADII1.5"

LEGENDWhite

COLORWhite

COLORGreen

SYMBOL(S)

ANGLE

X

Y

WID

HT

SIGN NUMBER

NUMBER OF POSTS

CLEARANCE Edge Of Lane

COLUMN SIZE

AVERAGE LENGTH

NO. OF LIGHT FIXTURES

FIXTURE SPACING

PHOTOMETRIC CURVE

WATT

VOLTAGE

COPY

SPACE

COPY

SPACE

COPY

SPACE

COPY

SPACE

COPY

SPACE

COPY

SPACE

COPY

SPACE

COPY

SPACE

SIGN NAMEC

QTY2

SIGN NUMBER

STATION(S)

PANEL

BORDER

116+09

WIDTH8'-0"

WIDTH0.5"

HEIGHT2'-0"

RADII1.5"

LEGENDWhite

COLORWhite

COLORGreen

SYMBOL(S)

ANGLE

X

Y

WID

HT

SIGN NUMBER

NUMBER OF POSTS

CLEARANCE Edge Of Lane

COLUMN SIZE

AVERAGE LENGTH

NO. OF LIGHT FIXTURES

FIXTURE SPACING

PHOTOMETRIC CURVE

WATT

VOLTAGE

COPY

SPACE

COPY

SPACE

COPY

SPACE

COPY

SPACE

COPY

SPACE

COPY

SPACE

COPY

SPACE

COPY

SPACE

SIGN NAME

QTY

SIGN NUMBER

STATION(S)

PANEL

BORDER

WIDTH

WIDTH

HEIGHT

RADII

LEGEND

COLOR

COLOR

SYMBOL(S)

ANGLE

X

Y

WID

HT

SIGN NUMBER

NUMBER OF POSTS

CLEARANCE Edge Of Lane

COLUMN SIZE

AVERAGE LENGTH

NO. OF LIGHT FIXTURES

FIXTURE SPACING

PHOTOMETRIC CURVE

WATT

VOLTAGE

COPY

SPACE

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SCALAR CONSULTING GROUP INC.
5713 CORPORATE WAY., SUITE 200
WEST PALM BEACH, FL 33407
TEL. 561-429-5065
JOHN D. WHITAKER, P.E.
P.E. NO.: 68599
VENDOR NO. 451909667

NO.

REVISION

BY

DATE

FLORIDA

PALM BEACH COUNTY
ENGINEERING AND PUBLIC WORKS
ROADWAY PRODUCTION
P.O. BOX 21229, WEST PALM BEACH, FLORIDA
(561) 684-0150

SCALE: NTS
APPROVED: JOW
DRAWN: DA
CHECKED: SOW
DATE: 1/27/2021

GUIDE SIGN WORKSHEET
BENOIST FARMS ROAD

DESIGN FILE NAME
GSWKS001.DWG

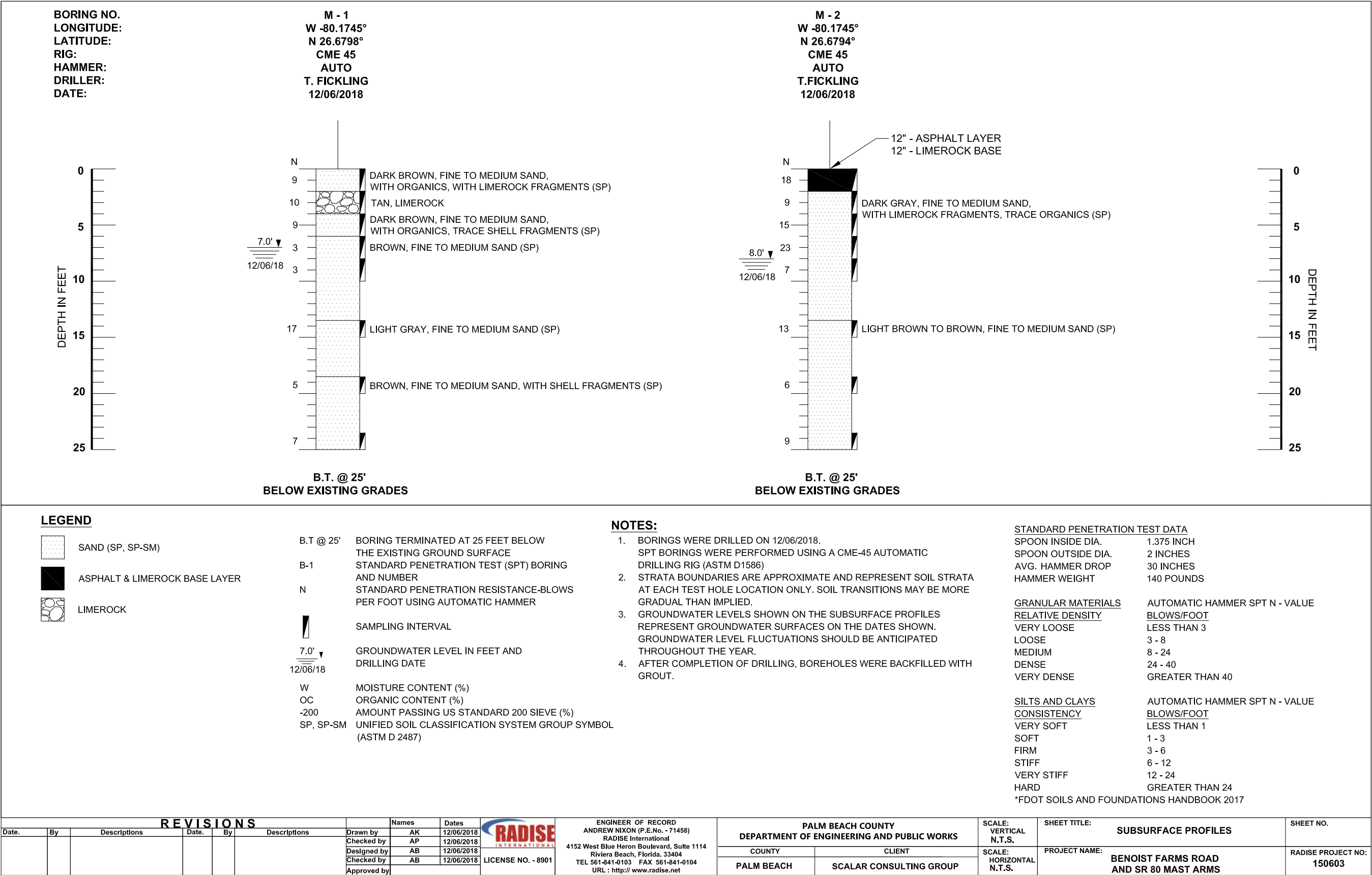
DRAWING NO.

SHEET: T-13
OF: T-15

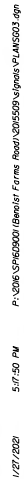
PROJECT NO.

205509

PERMITS



PER-151



PERMITS

VERIFIED UTILITY LOCATE

[illegible]

S.U.E. NOTES:

1. OWNERSHIP IS BASED UPON OBSERVING VISIBLE ABOVE GROUND UTILITY FEATURES AND PROFESSIONAL JUDGEMENT. NO RECORDS RESEARCH WAS PERFORMED BY BOWMAN CONSULTING GROUP.

SURVEYOR'S NOTES:

1. HORIZONTAL INFORMATION IS RELATIVE TO THE STATE PLANE COORDINATES, FLORIDA EAST ZONE, NORTH AMERICAN DATUM (NAD) OF 1983/1990 ADJUSTMENT.
2. VERTICAL INFORMATION IS RELATIVE TO THE NORTH AMERICAN VERTICAL DATUM (NAVD) OF 1988.
3. PROJECT UNITS: U.S. SURVEY FEET
4. CONTROL AND BASELINE INFORMATION WAS PROVIDED BY HSQ GROUP, INC.
5. COORDINATES FOR THE PROPOSED MAST ARMS WERE PROVIDED BY SCALAR CONSULTING GROUP INC. PROFESSIONALS, LLC.
6. THIS SPECIFIC PURPOSE SURVEY IS TO DETERMINE THE HORIZONTAL AND VERTICAL LOCATION OF THE VACUUM TEST HOLES AS MARKED ON THE SURFACE BY THE SUBSURFACE ENGINEERING DEPARTMENT OF BOWMAN CONSULTING GROUP, THE SIGNING SURVEYOR IS CERTIFYING ONLY TO THE LOCATION OF THE TEST HOLES AS MARKED ON THE SURFACE.

LEGEND:

&	AND
B/L	BASELINE
BT	BURIED TELEPHONE
C/L	CENTERLINE
DBC	DIRECT BURIED CONDUIT
DIP	DUCTILE IRON PIPE
ELECTRO.	ELECTROMAGNETIC
FDOT	FLORIDA DEPARTMENT OF TRANSPORTATION
FM	FORCE MAIN
GPR	GROUND PENETRATING RADAR
HDPE	HIGH DENSITY POLYETHYLENE
LT.	LEFT
N/A	NOT APPLICABLE
PCONC	POURED CONCRETE
PSM	PROFESSIONAL SURVEYOR AND MAPPER
PVC	POLYVINYL CHLORIDE
RT.	RIGHT
S.U.E.	SUBSURFACE UTILITY ENGINEERING
S.R.	STATE ROAD
TH	TEST HOLE
UNK	UNKNOWN
Vvh	VERIFIED VERTICAL ELEVATION and HORIZONTAL LOCATION
W/I	WITH

LIMITS: BENOIST FARMS RD AND SR 80 (SOUTHERN BOULEVARD)

SURVEYOR'S CERTIFICATION

I HEREBY CERTIFY THIS SPECIFIC PURPOSE SURVEY WAS MADE FOR THE PURPOSE OF SURVEYING, REFERENCING, DESCRIBING AND MAPPING THE UTILITY VACUUM EXCAVATIONS, AS MARKED ON THE SURFACE, FOR THE TRANSPORTATION FACILITY DEPICTED HEREON AND THAT SAID SURVEY WAS DONE UNDER MY RESPONSIBLE CHARGE AND MEETS THE STANDARDS OF PRACTICE SET FORTH BY THE FLORIDA BOARD OF PROFESSIONAL SURVEYORS AND MAPPERS IN CHAPTER 5J-17 FLORIDA ADMINISTRATIVE CODE PURSUANT TO SECTION 472.027 FLORIDA STATUTES. THIS MAP CONSISTING OF SHEET UTV-1 IS A TRUE, ACCURATE AND COMPLETE DEPICTION OF THE RESULTS OF A FIELD SURVEY PERFORMED UNDER MY DIRECTION AND COMPLETED ON OCTOBER 21, 2019.

SURVEYOR: ADAM C. DAO PSM NUMBER: 6899

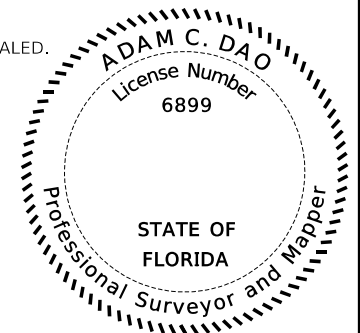
PRINTED COPIES OF THIS DOCUMENT ARE NOT CONSIDERED SIGNED AND SEALED.
THE SIGNATURE MUST BE VERIFIED ON THE ELECTRONIC DOCUMENTS.


Digitally signed by Adam Dao

Date: 2020.06.17 16:09:30 -04'00'

THE ABOVE NAMED PROFESSIONAL SURVEYOR & MAPPER SHALL BE RESPONSIBLE FOR THE FOLLOWING SHEETS IN ACCORDANCE WITH RULE 5J-17.062, F.A.C.

INDEX OF SURVEY PLANS	
SHEET NUMBER	SHEET DESCRIPTION
UTV-1	VERIFIED UTILITY LOCATE



	ADAM C. DAO, PSM SURVEYOR LICENSE NUMBER 6899 BOWMAN CONSULTING GROUP, LTD., INC. 301 SE OCEAN BLVD, SUITE 301 STUART, FLORIDA 34994 CERTIFICATE OF AUTHORIZATION LB8030		NO.		REVISION		BY	DATE	 <div>PALM BEACH COUNTY ENGINEERING AND PUBLIC WORKS ROADWAY PRODUCTION P.O. BOX 21222, WEST PALM BEACH, FLORIDA (561) 684-4150</div>	SCALE:	VERIFIED UTILITY LOCATE BENOIST FARMS ROAD		SHEET:
			180112015	SUE LOCATES AT INTERSECTION OF BENOIST FARMS ROAD AND SR 80 (SOUTHERN BOULEVARD)		APPROVED:				OF: UTV-1			
										DRAWN:	DESIGN FILE NAME	DRAWING NO.	PROJECT NO. 2015509
										CHECKED:			
										DATE:			

PER-153

COUNTY OF PALM BEACH
STATE OF FLORIDA

BOARD OF COUNTY COMMISSIONERS

PROJECT NO. 2015509

BENOIST FARMS ROAD - SR 80 (SOUTHERN BOULEVARD) TO BELVEDERE ROAD

SIGNING AND PAVEMENT MARKING PLANS

INDEX OF SIGNING & PAVEMENT MARKING PLANS

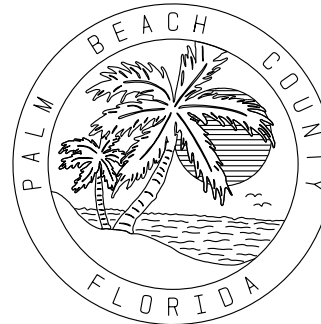
SHEET NO.	SHEET DESCRIPTION
S-1	KEY SHEET
S-2 TO S-3	TABULATION OF QUANTITIES
S-4	SIGNING & PAVEMENT MARKING NOTES
S-5 TO S-14	SIGNING & PAVEMENT MARKING PLAN
S-15	GUIDE SIGN WORKSHEET

MARIA G. MARINO
DISTRICT 1

GREGG K. WEISS
DISTRICT 2

ROBERT S. WEINROTH
DISTRICT 4

MELISSA MCKINLAY
DISTRICT 6



DAVE KERNER
DISTRICT 3

MARIA SACHS
DISTRICT 5

MACK BERNARD
DISTRICT 7

THIS PROJECT IS DESIGNED TO
NAVD, 1988 DATUM

FDOT PERMIT NO. 2020-C-496-00013-93120
POSTED SPEED ON BENOIST FARMS ROAD: 40 MPH
POSTED SPEED ON SR 80: 50 MPH

GOVERNING STANDARDS AND SPECIFICATIONS:

THESE PLANS HAVE BEEN PREPARED IN ACCORDANCE WITH AND GOVERNED BY THE FLORIDA DEPARTMENT OF TRANSPORTATION STANDARD PLANS FOR ROAD & BRIDGE CONSTRUCTION (CURRENT EDITION), AND SUPPLEMENTS THERETO, FLORIDA DEPARTMENT OF TRANSPORTATION STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION (CURRENT EDITION), SUPPLEMENTS THERETO, AND SPECIAL PROVISIONS AS NOTED IN THE CONTRACT SPECIFICATIONS FOR THIS PROJECT.

GOVERNING SPECIFICATIONS ARE CONTAINED IN THE CONTRACT DOCUMENTS OF THIS PROJECT.

PLANS PREPARED BY:

SCALAR CONSULTING GROUP INC.
5713 CORPORATE WAY, SUITE 200
WEST PALM BEACH, FL 33407
TEL. 561-429-5065
JOHN D. WHITAKER, P.E.
P.E. NO.: 68599
VENDOR NO. 451909667001

ATTENTION IS DIRECTED TO THE FACT THAT
THESE PLANS MAY HAVE BEEN CHANGED IN
SIZE BY REPRODUCTION, THIS MUST BE
CONSIDERED WHEN OBTAINING SCALED DATA.

I HEREBY CERTIFY THAT THE ATTACHED PLANS AND DESIGNS ARE IN SUBSTANTIAL COMPLIANCE WITH THE DESIGN STANDARDS AND CRITERIA IN EFFECT ON THIS DATE FOR PALM BEACH COUNTY AND THE STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION.

DATE _____

PROFESSIONAL ENGINEER
JOHN D. WHITAKER, P.E. NO. 68599

<div style="display: flex; justify-content: space-between; align-items: center;"><div style="text-align: left; width: 45%;"><p>PROJECT:</p><p style="font-size: 2em; font-weight: bold; letter-spacing: 0.5em;">BENOIST FARMS ROAD</p></div><div style="text-align: right; width: 45%;"><p>DRAWING NO.</p><p>REF-20001-200A</p></div></div>		<p>DRAWING NO.</p> <p>REF-20001-200A</p>	
		<p>DESIGN FILE NAME:</p> <p>REF-20001-200A</p>	
<p>PROJECT NO.</p> <p>2005509</p>			
<p>SHEET:</p> <p>OF:</p>		<p>FIELD BOOK NO.</p>	
<p>DATE:</p>		<p>DATE: 1/29/2021</p>	
<p>CHECKED: AS</p>		<p>DATE: 1/29/2021</p>	
<p>DRAWN: DA</p>		<p>DATE: 1/29/2021</p>	
<p>APPROVED: JDM</p>		<p>DATE: 1/29/2021</p>	
<p>SCALE: NTS</p>		<p>DATE: 1/29/2021</p>	
<p>NO.</p>		<p>DATE:</p>	
<p>REVISION</p>		<p>DATE:</p>	
<p>BY</p>		<p>DATE:</p>	
<div style="display: flex; justify-content: space-between; align-items: center;"><div style="text-align: left; width: 45%;"><p>PROJECT:</p><p style="font-size: 2em; font-weight: bold; letter-spacing: 0.5em;">BENOIST FARMS ROAD</p></div><div style="text-align: right; width: 45%;"><p>DRAWING NO.</p><p>REF-20001-200A</p></div></div>			
<p>DESIGN FILE NAME:</p> <p>REF-20001-200A</p>			
<p>PROJECT NO.</p> <p>2005509</p>			
<div style="display: flex; justify-content: space-between; align-items: center;"><div style="text-align: left; width: 45%;"><p>PROJECT:</p><p style="font-size: 2em; font-weight: bold; letter-spacing: 0.5em;">BENOIST FARMS ROAD</p></div><div style="text-align: right; width: 45%;"><p>DRAWING NO.</p><p>REF-20001-200A</p></div></div>			
<p>DESIGN FILE NAME:</p> <p>REF-20001-200A</p>			
<p>PROJECT NO.</p> <p>2005509</p>			

PERMITS

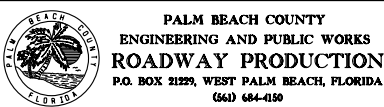
TABULATION OF QUANTITIES

PAY ITEM NO.	DESCRIPTION	UNIT	SHEET NUMBERS														TOTAL THIS SHEET			
			S-5		S-6		S-7		S-8		S-9		S-10		S-11				S-12	
			PLAN	FINAL	PLAN	FINAL	PLAN	FINAL	PLAN	FINAL	PLAN	FINAL	PLAN	FINAL	PLAN	FINAL	PLAN	FINAL	PLAN	FINAL
700 1 11	SINGLE POST SIGN, F&I GROUND MOUNT, UP TO 12 SF	AS			4		6		2		3		3		2		2		22	
700 1 12	SINGLE POST SIGN, F&I GROUND MOUNT, 12-20 SF	AS			1		2						1						4	
700 1 50	SINGLE POST SIGN, RELOCATE	AS															1		1	
700 1 60	SINGLE POST SIGN, REMOVE	AS			3		8		8		9		9				1		38	
700 2 12	MULTI- POST SIGN, F&I GROUND MOUNT, 12-20 SF	AS					2		2		1		2		2		3		12	
705 10 1	OBJECT MARKER, TYPE 1 , OM1-1 (18"X18") (DIAMOND GRADE)	EA					6		6		3		6		6		9		36	
705 11 1	DELINEATOR, FLEXIBLE TUBULAR	EA			1		1												2	
706 3	RETRO-REFLECTIVE PAVEMENT MARKERS (W/R)	EA	17		66		37		17		39		4		7		10		197	
	RETRO-REFLECTIVE PAVEMENT MARKERS (Y/Y)	EA	36		63		136		183		68		58		34		59		637	
711 11 123	THERMOPLASTIC, STANDARD, WHITE, SOLID, 12" FOR CROSSWALK AND ROUNDABOUT	LF			952														952	
711 11 124	THERMOPLASTIC, STANDARD, WHITE, SOLID, 18" FOR DIAGONALS AND CHEVRONS	LF	140		34		66				242		8						490	
711 11 125	THERMOPLASTIC, STANDARD, WHITE, SOLID, 24" FOR STOP LINE AND CROSSWALK	LF			980		55		33		17		39		41		55		1220	
711 11 141	THERMOPLASTIC, STANDARD, WHITE, 2-4 DOTTED GUIDELINE / 6-10 GAP EXTENSION, 6"	GM			0.140		0.126		0.057		0.046		0.034		0.052		0.041		0.496	
711 11 160	THERMOPLASTIC, STANDARD, WHITE, MESSAGE OR SYMBOL	EA							2										2	
711 11 170	THERMOPLASTIC, STANDARD, WHITE, ARROW	EA	4		13		3		8		3		6		6		5		48	
711 11 224	THERMOPLASTIC, STANDARD, YELLOW, SOLID, 18" FOR DIAGONAL OR CHEVRON	LF	48		25		181		212		61		45						572	
711 11 241	THERMOPLASTIC, STANDARD, YELLOW, 2-4 DOTTED GUIDELINE / 6-10 DOTTED EXTENSION LINE, 6"	GM			0.076		0.060		0.073		0.030				0.030		0.060		0.329	
711 14 160	THERMOPLASTIC, PREFORMED, WHITE, PAVEMENT MESSAGE (BIKE LANE SYMBOL)	EA			3								2						5	
711 14 170	THERMOPLASTIC, PREFORMED, WHITE, ARROW (BIKE THRU ARROW)	EA			3								2						5	
711 15 231	THERMOPLASTIC, STANDARD-OTHER SURFACES, YELLOW, SKIP, 6"	GM											0.182		0.068		0.046		0.296	
711 16 101	THERMOPLASTIC, STANDARD-OTHER SURFACES, WHITE, SOLID, 6"	NM	0.023		0.282		0.306		0.286		0.262		0.217		0.247		0.248		1.871	
711 16 102	THERMOPLASTIC, STANDARD-OTHER SURFACES, WHITE, SOLID, 8"	GM	0.067		0.115		0.077				0.105		0.017						0.381	
711 16 131	THERMOPLASTIC, OTHER SURFACES, WHITE, SKIP, 6",10-30 SKIP OR 3-9 LANE DROP	GM			0.073		0.106		0.015										0.194	
711 16 201	THERMOPLASTIC, STANDARD-OTHER SURFACES, YELLOW, SOLID, 6"	NM	0.094		0.124		0.240		0.301		0.231		0.257		0.192		0.202		1.641	
713 103 101	PERMANENT TAPE, WHITE, SOLID, 6" FOR CONCRETE BRIDGES	GM	0.028		0.014														0.042	
713 103 201	PERMANENT TAPE, YELLOW, SOLID, 6" FOR CONCRETE BRIDGES	GM	0.111		0.042														0.153	

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SCALAR CONSULTING GROUP INC.
5713 CORPORATE WAY, SUITE 200
WEST PALM BEACH, FL 33407
TEL. 561-429-5065
JOHN D. WHITAKER, P.E.
P.E. NO.: 68599
VENDOR NO. 451909667

NO.	REVISION	BY	DATE



SCALE: 1/40
APPROVED: JDW
DRAWN: DA
CHECKED: AS
DATE: 1/29/2020

TABULATION OF QUANTITIES

DESIGN FILE NAME
TABSP01.DGN

DRAWING NO.

SHEET:
OF:

PROJECT NO.
2015509

PERMITS

TABULATION OF QUANTITIES																		
PAY ITEM NO.	DESCRIPTION	UNIT	SHEET NUMBERS												TOTAL THIS SHEET		GRAND TOTAL	
			S-13		S-14													
			PLAN	FINAL	PLAN	FINAL	PLAN	FINAL	PLAN	FINAL	PLAN	FINAL	PLAN	FINAL	PLAN	FINAL	PLAN	FINAL
700 1 11	SINGLE POST SIGN, F&I GROUND MOUNT, UP TO 12 SF	AS	4		3									7		29		
700 1 12	SINGLE POST SIGN, F&I GROUND MOUNT, 12-20 SF	AS														4		
700 1 50	SINGLE POST SIGN, RELOCATE	AS														1		
700 1 60	SINGLE POST SIGN, REMOVE	AS	9		2									11		49		
700 2 12	MULTI- POST SIGN, F&I GROUND MOUNT, 12-20 SF	AS	2											2		14		
705 10 1	OBJECT MARKER, TYPE 1 , OM1-1 (18"X18") (DIAMOND GRADE)	EA	6											6		42		
705 11 1	DELINEATOR, FLEXIBLE TUBULAR	EA														2		
706 3	RETRO-REFLECTIVE PAVEMENT MARKERS (W/R)	EA	1		8									9		206		
	RETRO-REFLECTIVE PAVEMENT MARKERS (Y/Y)	EA	60		8									68		705		
711 11 123	THERMOPLASTIC, STANDARD, WHITE, SOLID, 12" FOR CROSSWALK AND ROUNDABOUT	LF			225									225		1177		
711 11 124	THERMOPLASTIC, STANDARD, WHITE, SOLID, 18" FOR DIAGONALS AND CHEVRONS	LF														490		
711 11 125	THERMOPLASTIC, STANDARD, WHITE, SOLID, 24" FOR STOP LINE AND CROSSWALK	LF	44		27									71		1291		
711 11 141	THERMOPLASTIC, STANDARD, WHITE, 2-4 DOTTED GUIDELINE / 6-10 GAP EXTENSION, 6"	GM	0.066		0.028									0.094		0.590		
711 11 160	THERMOPLASTIC, STANDARD, WHITE, MESSAGE OR SYMBOL	EA														2		
711 11 170	THERMOPLASTIC, STANDARD, WHITE, ARROW	EA	4		2									6		54		
711 11 224	THERMOPLASTIC, STANDARD, YELLOW, SOLID, 18" FOR DIAGONAL OR CHEVRON	LF	78											78		650		
711 11 241	THERMOPLASTIC, STANDARD, YELLOW, 2-4 DOTTED GUIDELINE / 6-10 DOTTED EXTENSION LINE, 6"	GM			0.059									0.059		0.388		
711 14 160	THERMOPLASTIC, PREFORMED, WHITE, PAVEMENT MESSAGE (BIKE LANE SYMBOL)	EA	1		1									2		7		
711 14 170	THERMOPLASTIC, PREFORMED, WHITE, ARROW (BIKE THRU ARROW)	EA	1		1									2		7		
711 15 231	THERMOPLASTIC, STANDARD-OTHER SURFACES, YELLOW, SKIP, 6"	GM	0.106											0.106		0.402		
711 16 101	THERMOPLASTIC, STANDARD-OTHER SURFACES, WHITE, SOLID, 6"	NM	0.207		0.085									0.292		2.163		
711 16 102	THERMOPLASTIC, STANDARD-OTHER SURFACES, WHITE, SOLID, 8"	GM														0.381		
711 16 131	THERMOPLASTIC, OTHER SURFACES, WHITE, SKIP, 6",10-30 SKIP OR 3-9 LANE DROP	GM														0.194		
711 16 201	THERMOPLASTIC, STANDARD-OTHER SURFACES, YELLOW, SOLID, 6"	NM	0.258		0.055									0.313		1.954		
713 103 101	PERMANENT TAPE, WHITE, SOLID, 6" FOR CONCRETE BRIDGES	GM														0.042		
713 103 201	PERMANENT TAPE, YELLOW, SOLID, 6" FOR CONCRETE BRIDGES	GM														0.153		

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SCALAR CONSULTING GROUP INC.
5713 CORPORATE WAY, SUITE 200
WEST PALM BEACH, FL 33407
TEL. 561-429-5065
JOHN D. WHITAKER, P.E.
P.E. NO.: 68599
VENDOR NO. 451909667

NO.	REVISION	BY	DATE



PALM BEACH COUNTY
ENGINEERING AND PUBLIC WORKS
ROADWAY PRODUCTION
P.O. BOX 21229, WEST PALM BEACH, FLORIDA
(561) 684-4150

SCALE:	1/40
APPROVED:	JDW
DRAWN:	DA
CHECKED:	AS
DATE:	1/29/2020

TABULATION OF QUANTITIES

DESIGN FILE NAME
TABSP01.DGN

DRAWING NO.

SHEET:	
OF:	
PROJECT NO.	2015509

PERMITS

GENERAL NOTES

1. PAVEMENT MARKINGS INSTALLATIONS SHALL BE IN ACCORDANCE WITH THE FLORIDA DEPARTMENT OF TRANSPORTATION STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION, THE M.U.T.C.D. & F.D.O.T. ROADWAY & TRAFFIC DESIGN STANDARDS (LATEST EDITION), HOWEVER, WHERE CONFLICTS EXIST, THIS TYPICAL SHALL TAKE PRECEDENT OVER F.D.O.T. STANDARD SPECIFICATIONS.

2. LETTER DESIGNATIONS ARE USED IN THE PLANS TO INDICATE THE TYPE OF STRIPE TO BE PLACED. THEY ARE.

- A = 6" SOLID WHITE
- B = 8" SOLID WHITE
- C = 12" SOLID WHITE
- D = 18" SOLID WHITE
- E = 24" SOLID WHITE
- F = 6" SKIP WHITE TYP (10'-30')
- G = 6" SKIP WHITE TYP (6'-10')
- H = 6" SKIP WHITE TYP (2'-4')
- I = 6" SOLID YELLOW
- J = 18" SOLID YELLOW
- K = 6" DOUBLE YELLOW
- L = 6" SKIP YELLOW TYP (10'-30')
- M = 6" SKIP YELLOW TYP (6'-10')
- N = 6" SKIP YELLOW TYP (2'-4')
- P = RPM BI-DIRECTIONAL AMBER/AMBER
- R = FDP WHITE
- S = FDP YELLOW
- T = RPM BI-DIRECTIONAL WHITE/RED
- U = RPM BI-DIRECTIONAL RED/YELLOW

FOR ADDITIONAL INFORMATION REGARDING STRIPING, SEE PALM BEACH COUNTY TYPICALS FOR PAVEMENT MARKINGS, SIGNING & GEOMETRICS NO. T-P-18.

3. MATCH EXISTING PAVEMENT MARKINGS AT THE BEGINNING AND END OF THE PROJECT AND AT ALL SIDE STREETS.

4. ALL STATION CALL OUTS REFER TO C CONST. BENOIST FARMS ROAD UNLESS OTHERWISE SPECIFIED.

5. CONFLICTING AND/OR MISLEADING PAVEMENT MARKINGS SHALL BE REMOVED BY WATER BLASTING, INCLUDING THE EXISTING MARKINGS ON THE C-51 CANAL BRIDGE. ALL EXISTING PAVEMENT MARKINGS SHALL BE PLACED UPON COMPLETION OF THE PROJECT. ALL COST SHALL BE INCLUDED UNDER MAINTENANCE OF TRAFFIC.

6. ANY EXISTING SIGNS WITHIN THE PROJECT LIMITS SHALL REMAIN UNLESS OTHERWISE NOTED IN THE PLANS.

7. USE CAUTION WHEN WORKING IN OR AROUND AREAS OF EXISTING TRANSMISSION LINES, UNDERGROUND UTILITIES AND OVERHEAD UTILITIES.

8. NOTIFY THE APPROPRIATE UTILITY COMPANY FORTY-EIGHT (48) HOURS IN ADVANCE OF ANY EXCAVATION INVOLVING ITS UTILITIES SO THAT A COMPANY REPRESENTATIVE CAN BE PRESENT. THE LOCATION OF THE UTILITIES SHOWN IN THE PLANS ARE APPROXIMATE ONLY. THE CONTRACTOR SHALL DETERMINE THE EXACT LOCATION OF EXISTING UTILITIES DURING CONSTRUCTION.

9. FOR FURTHER UTILITY COORDINATION CONTACT:

CONTACT PERSON	UTILITY	PHONE NUMBER
PETER PIZZA	COMCAST	(561) 419-1612
MICHAEL ALEXANDER	FLORIDA CITY GAS	(305) 968-5516
MICHAEL RODRIGUEZ	CROWN CASTLE	(954) 232-1070
PHILLIP PASCASIO	FPL - DISTRIBUTION	(321) 214-3865
FERNANDO VAN LEEUWEN	FLORIDA PUBLIC UTILITIES	(561) 398-2338
TISH STEINFELS	PBC WATER UTILITIES	(561) 740-4600
OPERATIONS SUPT.	PBC TRAFFIC SIG	(561) 233-3900
DANIEL RODRIGUEZ	PBC TRAFFIC ITS	(561) 684-4365
KEN SCHNEIDER	PBC TRAFFIC ISS	(561) 632 9734
GARTH BEDWARD	AT&T FLORIDA	(561) 540-9263

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1/29/2021

SCALAR CONSULTING GROUP INC.
5713 CORPORATE WAY, SUITE 200
WEST PALM BEACH, FL 33407
TEL. 561-429-5065
JOHN D. WHITAKER, P.E.
P.E. NO.: 68599
VENDOR NO. 451909667

NO.	REVISION	BY	DATE



PALM BEACH COUNTY
ENGINEERING AND PUBLIC WORKS
ROADWAY PRODUCTION
P.O. BOX 21229, WEST PALM BEACH, FLORIDA
(561) 684-4150

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DRAWN:	DA
CHECKED:	AS
DATE:	1/29/2021

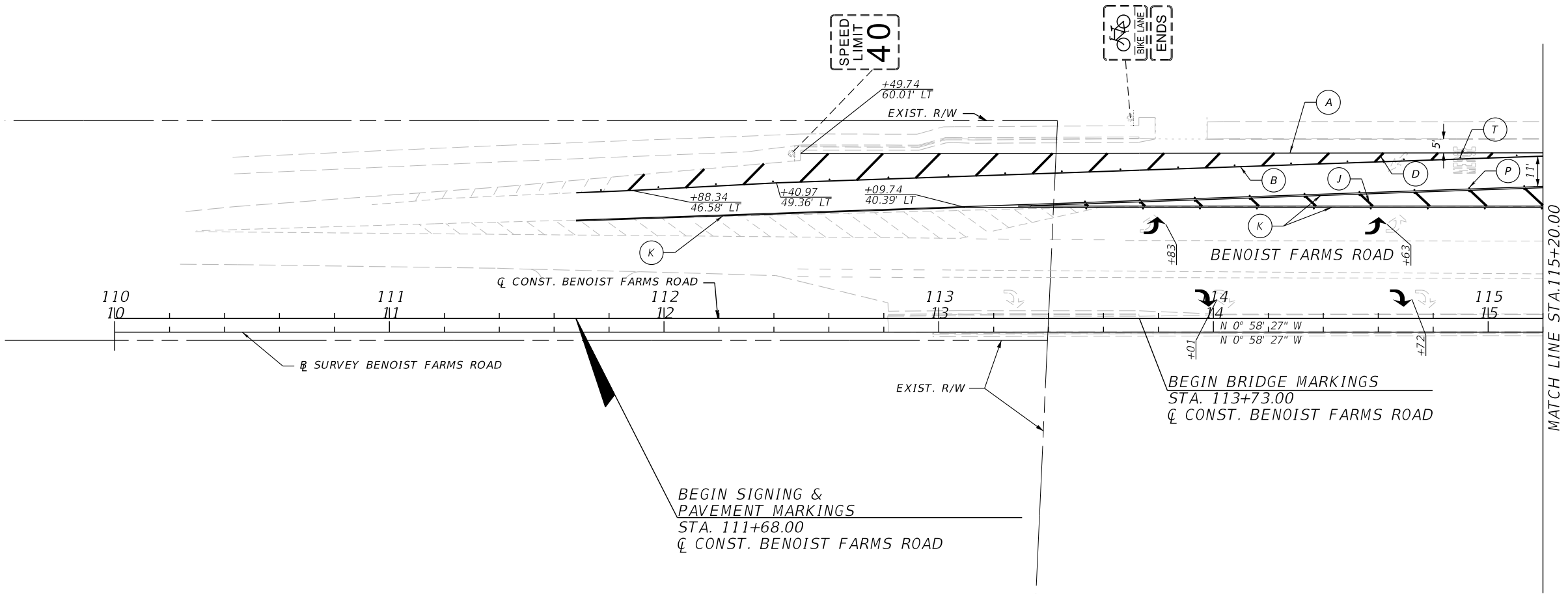
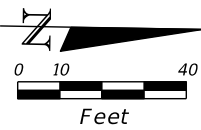
SIGNING & PAVEMENT
MARKING NOTES

DESIGN FILE NAME
GWT.SP01.DGN

DRAWING NO.

SHEET:
OF:
PROJECT NO. 2015509

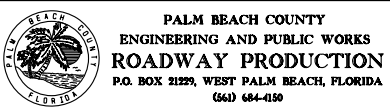
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SCALAR CONSULTING GROUP INC.
5713 CORPORATE WAY, SUITE 200
WEST PALM BEACH, FL 33407
TEL. 561-429-5065
JOHN D. WHITAKER, P.E.
P.E. NO.: 68599
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NO.	REVISION	BY	DATE

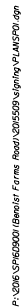


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DATE: 1/29/2020

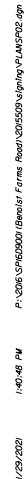
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SHEET: OF:	PROJECT NO. 2015509
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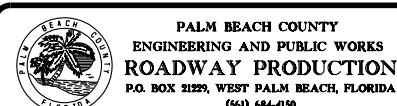
PER-158



PER-159



NO.	REVISION	BY	DATE



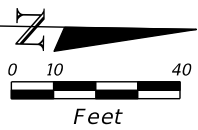
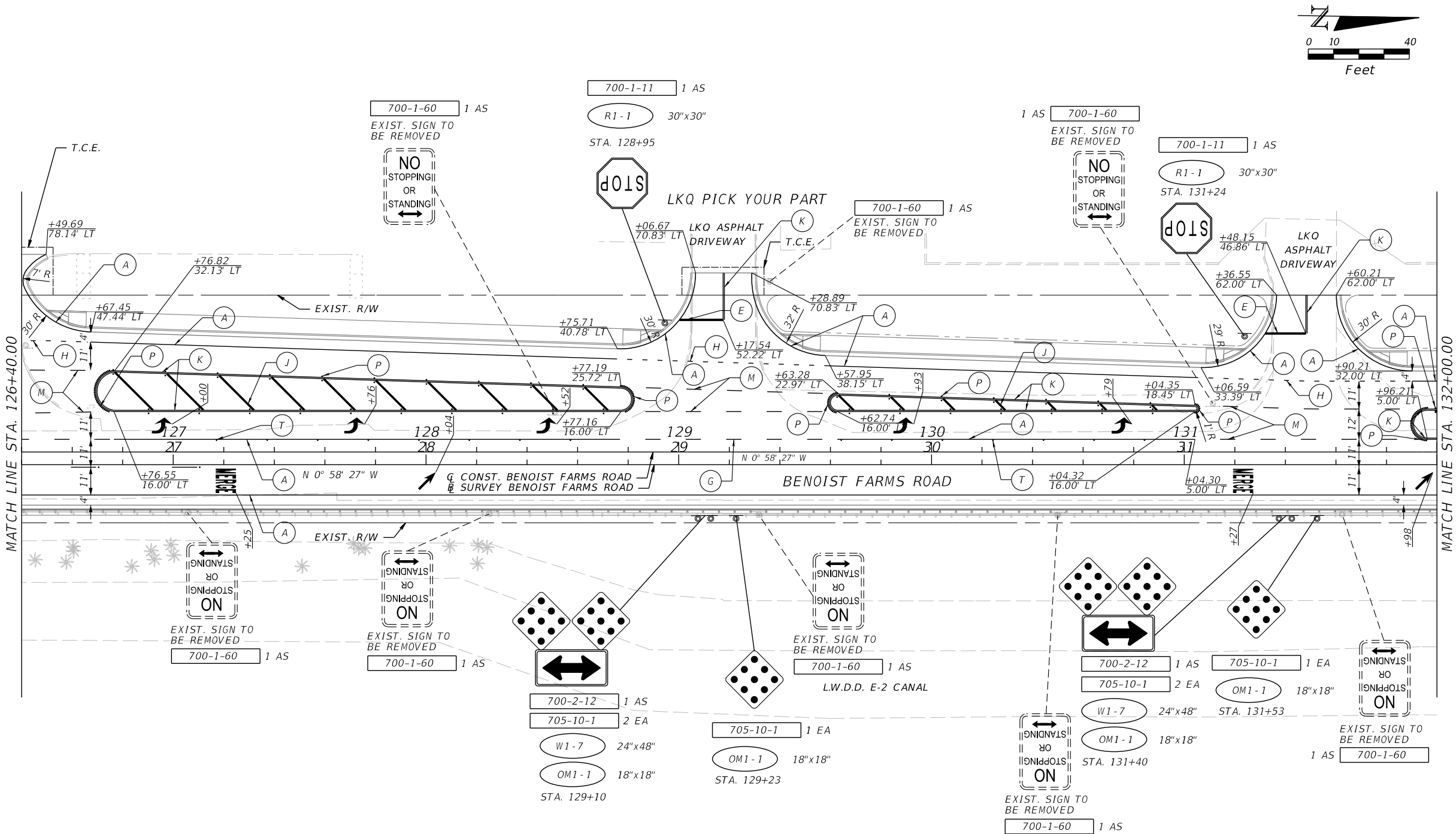
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SIGNING & PAVEMENT MARKING PLAN

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SHEET:
OF:
PROJECT NO.
2015509

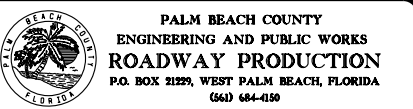
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SCALAR CONSULTING GROUP INC.
5713 CORPORATE WAY, SUITE 200
WEST PALM BEACH, FL 33407
TEL. 561-429-5065
JOHN D. WHITAKER, P.E.
P.E. NO.: 68599
VENDOR NO. 451909667

NO.	REVISION	BY	DATE

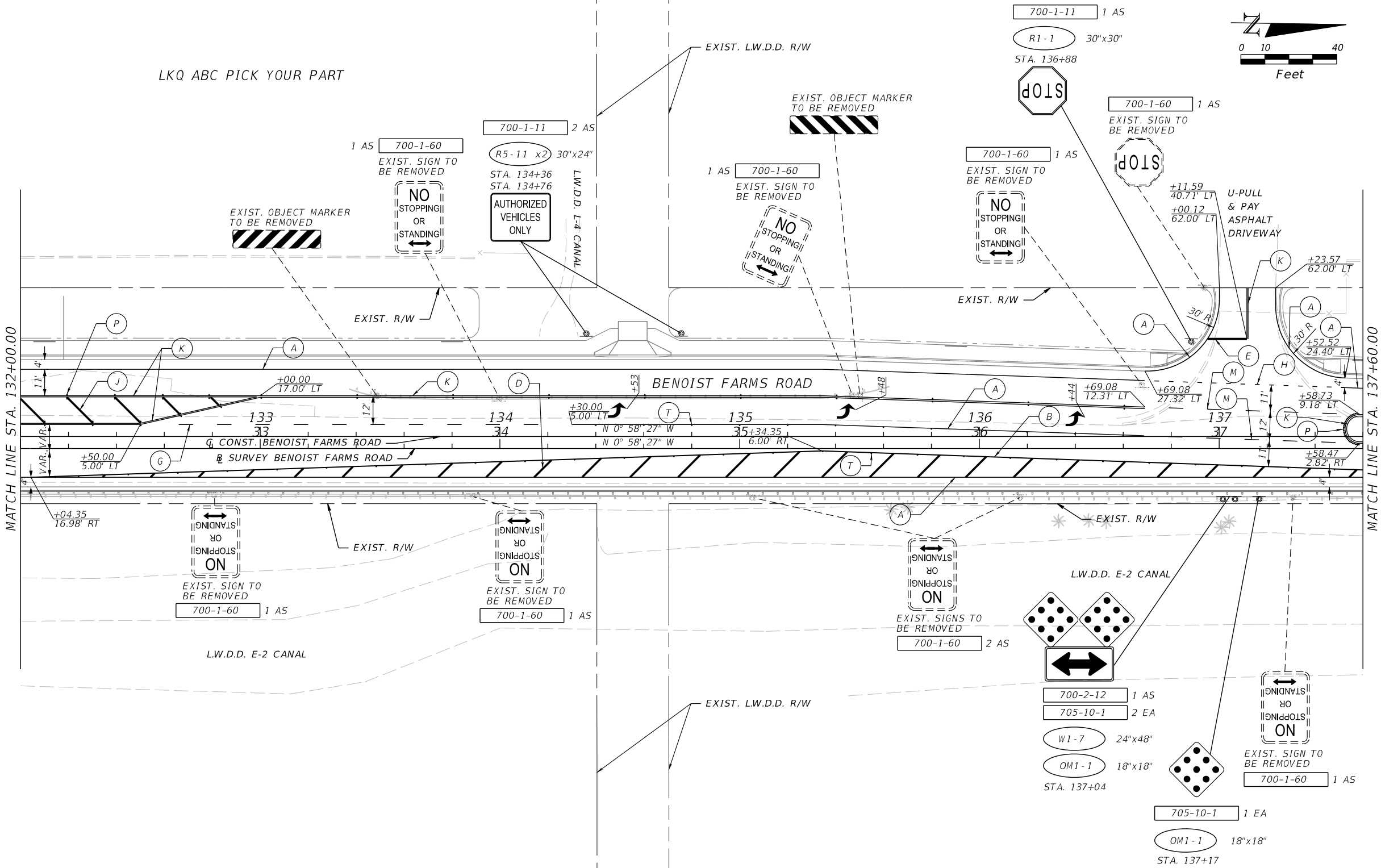


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DRAWN: DA
CHECKED: AS
DATE: 1/29/2020

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OF: 205509
PROJECT NO. 205509

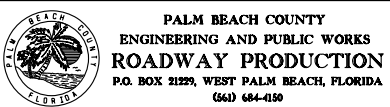
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SCALAR CONSULTING GROUP INC.
5713 CORPORATE WAY, SUITE 200
WEST PALM BEACH, FL 33407
TEL. 561-429-5065
JOHN D. WHITAKER, P.E.
P.E. NO.: 68599
VENDOR NO. 451909667

NO.	REVISION	BY	DATE

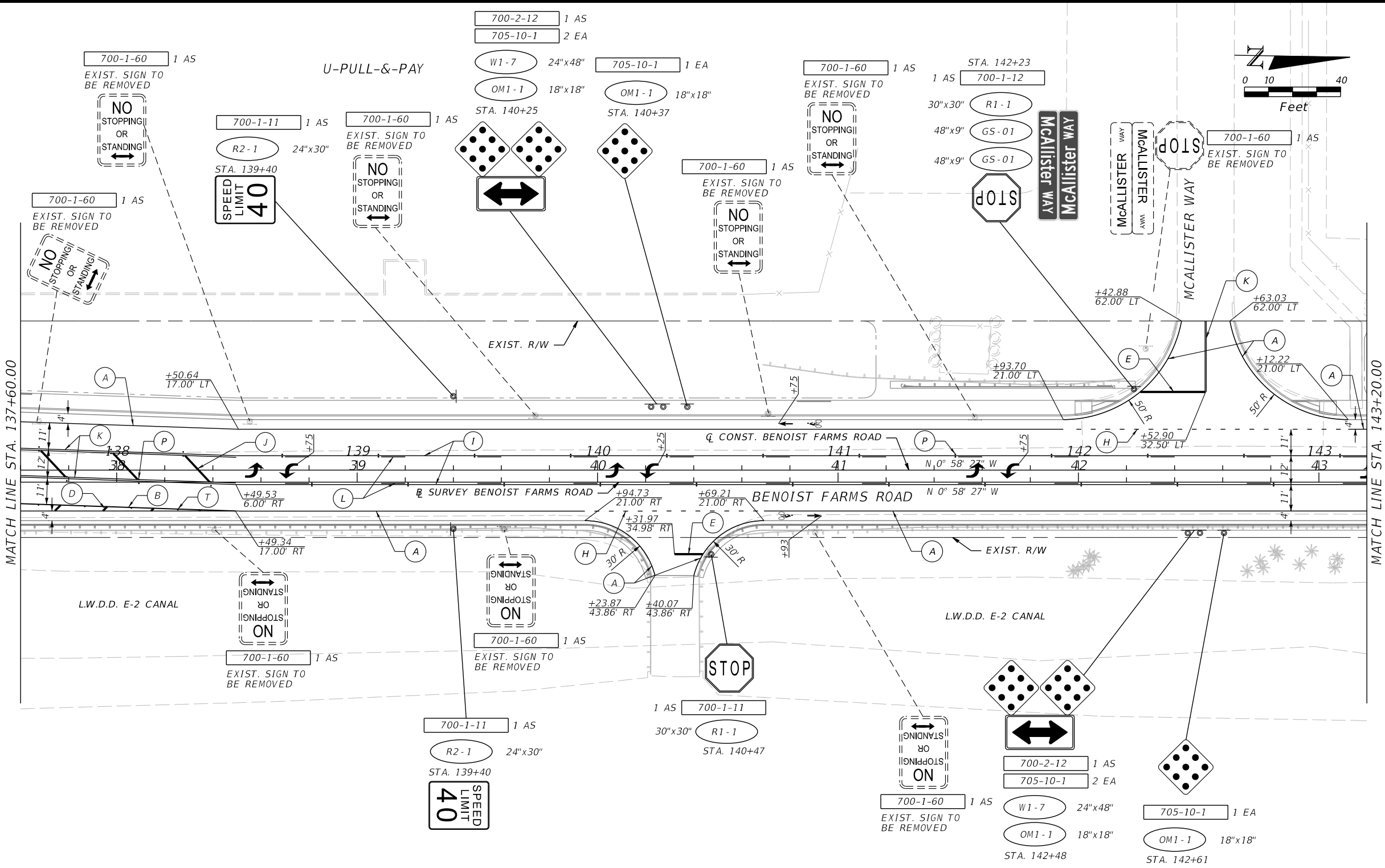


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DATE: 1/29/2020

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OF:
PROJECT NO.
201509

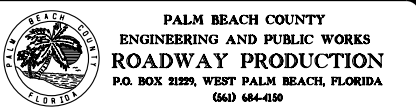
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SCALAR CONSULTING GROUP INC.
5713 CORPORATE WAY, SUITE 200
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TEL. 561-429-5065
JOHN D. WHITAKER, P.E.
P.E. NO.: 68599
VENDOR NO. 451909667

NO.	REVISION	BY	DATE

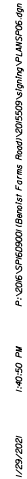


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DATE: 1/29/2020

SIGNING & PAVEMENT
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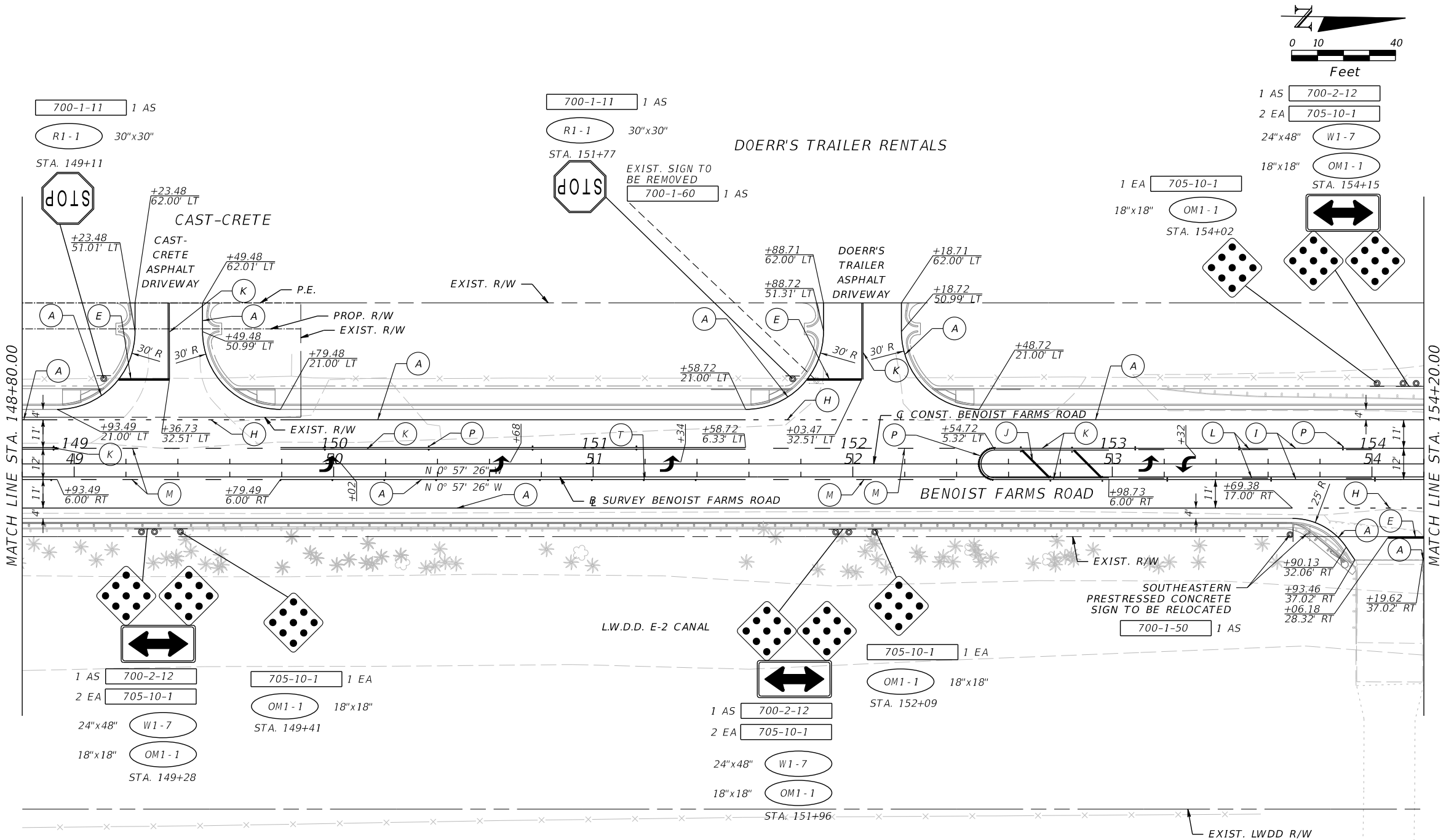
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OF:
PROJECT NO. 201509

PER-163



SHEET:
OF:
PROJECT NO.
2015509

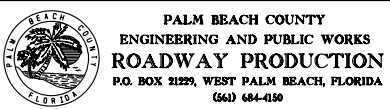
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SCALAR CONSULTING GROUP INC.
5713 CORPORATE WAY, SUITE 200
WEST PALM BEACH, FL 33407
TEL. 561-429-5065
JOHN D. WHITAKER, P.E.
P.E. NO.: 68599
VENDOR NO. 451909667

NO.	REVISION	BY	DATE

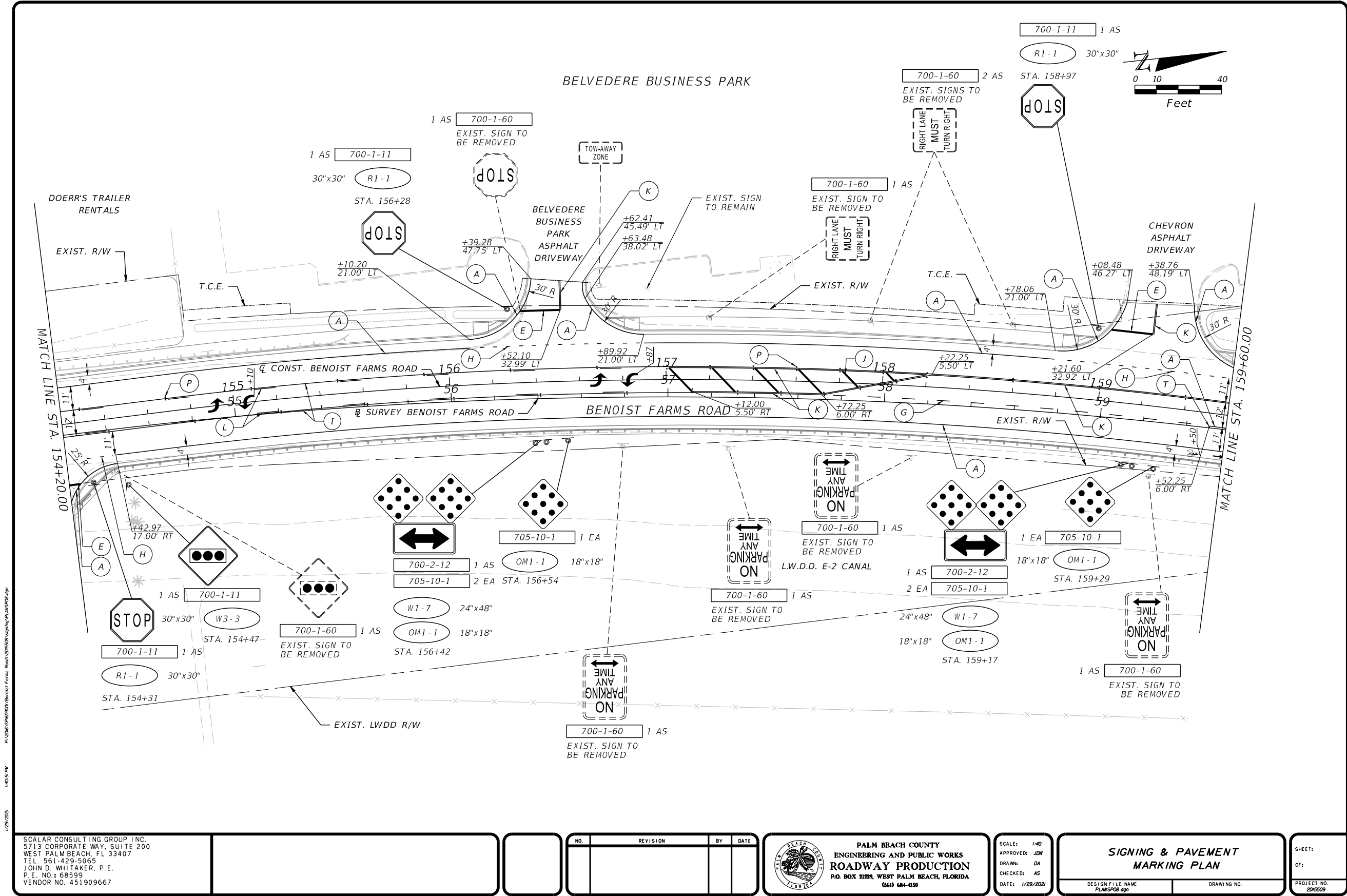


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DRAWN: DA
CHECKED: AS
DATE: 1/29/2020

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DESIGN FILE NAME PLANSP07.dgn	DRAWING NO.

SHEET:
OF:
PROJECT NO.
201509

PERMITS



SCALAR CONSULTING GROUP INC.
5713 CORPORATE WAY, SUITE 200
WEST PALM BEACH, FL 33407
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JOHN D. WHITAKER, P.E.
P.E. NO.: 68599
VENDOR NO. 451909667

NO.	REVISION	BY	DATE

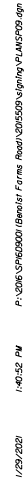


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CHECKED: AS
DATE: 1/29/2021

**SIGNING & PAVEMENT
MARKING PLAN**
DESIGN FILE NAME: PLANS08.dgn
DRAWING NO.:


SHEET:
OF:
PROJECT NO.
2015509

PER-166



PERMITS

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SCALAR CONSULTING GROUP INC. 5713 CORPORATE WAY, SUITE 200 WEST PALM BEACH, FL 33407 TEL. 561-429-5065 JOHN D. WHITAKER, P.E. P.E. NO.: 68599 VENDOR NO. 451909667	<table border="1"> <tr> <th>NO.</th> <th>REVISION</th> <th>BY</th> <th>DATE</th> </tr> <tr> <td> </td> <td> </td> <td> </td> <td> </td> </tr> </table>	NO.	REVISION	BY	DATE					 <div> <p>PALM BEACH COUNTY ENGINEERING AND PUBLIC WORKS ROADWAY PRODUCTION P.O. BOX 21229, WEST PALM BEACH, FLORIDA (561) 684-4150</p> </div>	SCALE: 1/2 APPROVED: JDM DRAWN: DA CHECKED: AS DATE: 1/29/2020	<table border="1"> <tr> <th colspan="2">GUIDE SIGN WORKSHEET</th> </tr> <tr> <td>DESIGN FILE NAME GSIWKSPOI.DGN</td> <td>DRAWING NO.</td> </tr> </table>	GUIDE SIGN WORKSHEET		DESIGN FILE NAME GSIWKSPOI.DGN	DRAWING NO.	SHEET: OF: PROJECT NO. 2015509
NO.	REVISION	BY	DATE														
GUIDE SIGN WORKSHEET																	
DESIGN FILE NAME GSIWKSPOI.DGN	DRAWING NO.																

PER-168

COUNTY OF PALM BEACH
STATE OF FLORIDA

BOARD OF COUNTY COMMISSIONERS

PROJECT NO. 2015509

BENOIST FARMS ROAD - SR 80 (SOUTHERN BOULEVARD) TO BELVEDERE ROAD

INDEX OF LIGHTING PLANS

LIGHTING PLANS

BENOIST FARMS ROAD AND SR 80 (TS-30800)

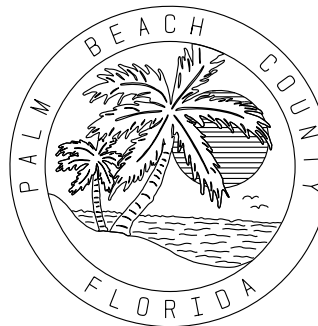
SHEET NO.	SHEET DESCRIPTION
L-1	KEY SHEET
L-2	TABULATION OF QUANTITIES
L-3	GENERAL NOTES
L-4	POLE DATA AND LEGEND
L-5 - L-7	LIGHTING PLAN
L-8 - L-9	BRIDGE LIGHT MOUNTING DETAILS
L-10 - L-20	EXISTING BRIDGE SUPPORT PLANS (FOR INFORMATION ONLY)
UTV-1	VERIFIED UTILITY LOCATE

GREGG K. WEISS
DISTRICT 2

ROBERT S. WEINROTH
DISTRICT 4

MELISSA MCKINLAY
DISTRICT 6

MARIA G. MARINO
DISTRICT 1



DAVE KERNER
DISTRICT 3

MARIA SACHS
DISTRICT 5

MACK BERNARD
DISTRICT 7

THIS PROJECT IS DESIGNED TO
NAVD, 1988 DATUM

PLANS PREPARED BY:

SCALAR CONSULTING GROUP INC.
5713 CORPORATE WAY, SUITE 200
WEST PALM BEACH, FL 33407
TEL. 561-429-5065
JOHN D. WHITAKER, P.E.
P.E. NO.: 68599
VENDOR NO. 451909667001

ATTENTION IS DIRECTED TO THE FACT THAT
THESE PLANS MAY HAVE BEEN CHANGED IN
SIZE BY REPRODUCTION, THIS MUST BE
CONSIDERED WHEN OBTAINING SCALED DATA.

I HEREBY CERTIFY THAT THE ATTACHED PLANS AND DESIGNS ARE IN SUBSTANTIAL COMPLIANCE WITH THE DESIGN STANDARDS AND CRITERIA IN EFFECT ON THIS DATE FOR PALM BEACH COUNTY AND THE STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION.

DATE _____

PROFESSIONAL ENGINEER
JOHN D. WHITAKER, P.E. NO. 68599

GOVERNING STANDARDS AND SPECIFICATIONS:

THESE PLANS HAVE BEEN PREPARED IN ACCORDANCE WITH AND GOVERNED BY THE FLORIDA DEPARTMENT OF TRANSPORTATION STANDARD PLANS FOR ROAD & BRIDGE CONSTRUCTION (CURRENT EDITION), AND SUPPLEMENTS THERETO, FLORIDA DEPARTMENT OF TRANSPORTATION STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION (CURRENT EDITION), SUPPLEMENTS THERETO, AND SPECIAL PROVISIONS AS NOTED IN THE CONTRACT SPECIFICATIONS FOR THIS PROJECT

**PALM BEACH COUNTY
ENGINEERING AND PUBLIC WORKS
ROADWAY PRODUCTION
P.O. BOX 21229, WEST PALM BEACH, FLORIDA
(561) 684-4150**



SCALE: NTS	FIELD BOOK NO.
APPROVED: JDM	
DRAWN: DA	
CHECKED: SOW	
DATE: 2/1/2020	

BENOIST FARMS ROAD

SHEET: *L-1*

OF: L-20

PROJECT NO.
2015509

PERMITS

TABULATION OF QUANTITIES


[illegible]

PAY ITEM FOOT NOTE

521-5-13 INCLUDES ALL COSTS FOR LIGHT POLE PEDESTAL RETROFIT AT POLE NO. 2. INCLUDES REMOVAL OF EXISTING DECK & TRAFFIC RAILING AND CONSTRUCTION OF DECK, PEDESTAL & TRAFFIC RAILING. FACE AND PROFILE OF RECONSTRUCTED TRAFFIC RAILING SHALL MATCH EXISTING TRAFFIC RAILING. ALSO INCLUDES COST OF REPLACING JOINT SEAL AND CLASS 5 FINISH.

715-1-12 INCLUDES THE COST OF COPPER KEEPER

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SCALAR CONSULTING GROUP INC. 5713 CORPORATE WAY., SUITE 200 WEST PALM BEACH, FL 33407 TEL: 561-429-5065 JOHN D. WHITAKER, P.E. P.E. NO.: 68599 VENDOR NO. 451909667			<table border="1"> <thead> <tr> <th>NO.</th> <th>REVISION</th> <th>BY</th> <th>DATE</th> </tr> </thead> <tbody> <tr> <td> </td> <td> </td> <td> </td> <td> </td> </tr> </tbody> </table>				NO.	REVISION	BY	DATE					 <p> PALM BEACH COUNTY ENGINEERING AND PUBLIC WORKS ROADWAY PRODUCTION P.O. BOX 21229, WEST PALM BEACH, FLORIDA (561) 684-4150 </p>	SCALE: 1"=1' APPROVED: JDN DRAWN: DA CHECKED: SDW DATE: 5/24/2008	TABULATION OF QUANTITIES BENOIST FARMS ROAD		SHEET: L-2 OF: L-20
			NO.	REVISION	BY	DATE													
DESIGN FILE NAME TABUL.TOI.dwg		DRAWING NO.	PROJECT NO. 2015509																

PERMITS

LIGHTING NOTES:

1. THE AGENCY RESPONSIBLE FOR MAINTENANCE OF INTERSECTION LIGHTING EQUIPMENT IS PALM BEACH COUNTY TRAFFIC DIVISION.
2. PROVIDE SUBMITTAL DATA THAT IS COMPATIBLE WITH THE MAINTAINING AGENCY. PROVIDE THE MAINTAINING AGENCY'S REQUIRED EQUIPMENT AND VERIFY WITH THE MAINTAINING AGENCY PRIOR TO PURCHASING SUCH EQUIPMENT.
3. BECOME FAMILIAR WITH AND COMPLY WITH PALM BEACH COUNTY TRAFFIC DIVISION INSPECTION PROCEDURES.
4. ALL LUMINAIRES WHICH ARE "TO BE REMOVED BY OTHERS" WILL NOT BE REMOVED AS PART OF THIS PROJECT.
5. THE CONTRACTOR SHALL NOTIFY THE APPROPRIATE UTILITY COMPANY TWO (2) FULL WORKING DAYS IN ADVANCE OF ANY EXCAVATION INVOLVING ITS UTILITIES SO THAT A COMPANY REPRESENTATIVE CAN BE PRESENT. THE LOCATION OF THE UTILITIES SHOWN IN THE PLANS ARE APPROXIMATE ONLY. THE EXACT LOCATION SHALL BE DETERMINED BY THE CONTRACTOR DURING CONSTRUCTION.


CONTACT PERSON	UTILITY	PHONE NUMBER
PETER PIZZA	COMCAST	(561) 419-1612
MICHAEL ALEXANDER	FLORIDA CITY GAS	(305) 968-5516
MICHAEL RODRIGUEZ	CROWN CASTLE	(954) 232-1070
PHILLIP PASCASIO	FPL - DISTRIBUTION	(321) 214-3865
FERNANDO VAN LEEUWEN	FLORIDA PUBLIC UTILITIES	(561) 398-2338
TISH STEINFELS	PBC WATER UTILITIES	(561) 740-4600
OPERATIONS SUPT.	PBC TRAFFIC SIG	(561) 233-3900
DANIEL RODRIGUEZ	PBC TRAFFIC ITS	(561) 684-4365
KEN SCHNEIDER	PBC TRAFFIC ISS	(561) 632 9734
GARTH BEDWARD	AT&T FLORIDA	(561) 540-9263

6. COORDINATE WITH PALM BEACH TRAFFIC OPERATIONS AT (561) 233-3900 FOR THE RETURN OF ALL ALUMINUM POLES AND HPS LUMINAIRES BEING REMOVED.

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SCALAR CONSULTING GROUP INC.
5713 CORPORATE WAY., SUITE 200
WEST PALM BEACH, FL 33407
TEL. 561-429-5065
JOHN D. WHITAKER, P.E.
P.E. NO.: 68599
VENDOR NO. 451909667

NO.	REVISION	BY	DATE



PALM BEACH COUNTY
ENGINEERING AND PUBLIC WORKS
ROADWAY PRODUCTION
P.O. BOX 21229, WEST PALM BEACH, FLORIDA
(561) 684-4150

SCALE: 1/1
APPROVED: JDW
DRAWN: DA
CHECKED: SDW
DATE: 5/24/2020

GENERAL NOTES

BENOIST FARMS ROAD

DESIGN FILE NAME: GWT.LTD.dgnDRAWING NO.

SHEET: L-3
OF: L-20
PROJECT NO. 2015509

PERMITS

FLORIDA GREENBOOK
ROADWAY LIGHTING DESIGN CRITERIA
(MINOR ARTERIAL INTERMEDIATE)

Average Initial Intensity 1.0 Foot Candles (H.F.C.)
Uniformity Ratio Avg./Min. 4:1 Or Less
Max./Min. 10:1 Or Less
Design Wind Speed 170 MPH

FDOT
SIGNALIZED INTERSECTION
LIGHTING DESIGN CRITERIA

Average Initial Intensity 3.0 Foot Candles (H.F.C.) (1.5 H.F.C. Min.)
Average Initial Intensity 1.5 Foot Candles (V.F.C.) (1.2 V.F.C. Min.)
Uniformity Ratio Avg./Min. 4:1 Or Less
Max./Min. 10:1 Or Less
Design Wind Speed 170 MPH

LEGEND

SYMBOLS	LABEL	DESCRIPTION
	A	268 WATT (32329 LUMENS) LED LUMINAIRE 4000K COLOR TEMPERATURE WIRED FOR 120 VOLT OPERATION. DESIGNED FOR TYPE IV DISTRIBUTION. SYMBOL CONSIST OF NEW MAST ARM MOUNTED LUMINAIRE. LIGHTING PHOTOMETRICS BASED ON ATB2 80 BLEDE10 R4 OR EQUAL.
	B	268 WATT (32329 LUMENS) LED LUMINAIRE 4000K COLOR TEMPERATURE WIRED FOR 120 VOLT OPERATION. DESIGNED FOR TYPE IV DISTRIBUTION. SYMBOL CONSIST OF NEW STANDARD LIGHT POLE ASSEMBLY INSTALLED BY FPL. LIGHTING PHOTOMETRICS BASED ON ATB2 80 BLEDE10 R4 OR EQUAL.
	C	268 WATT (32329 LUMENS) LED LUMINAIRE 4000K COLOR TEMPERATURE WIRED FOR 480 VOLT OPERATION. DESIGNED FOR TYPE IV DISTRIBUTION. SYMBOL CONSIST OF NEW STANDARD LIGHT POLE ASSEMBLY. LIGHTING PHOTOMETRICS BASED ON ATB2 80 BLEDE10 R4 OR EQUAL.
	D	268 WATT (32329 LUMENS) LED LUMINAIRE 4000K COLOR TEMPERATURE WIRED FOR 480 VOLT OPERATION. DESIGNED FOR TYPE IV DISTRIBUTION. SYMBOL CONSISTS OF LED LUMINAIRE RETROFIT. LIGHTING PHOTOMETRICS BASED ON ATB2 80 BLEDE10 R4 OR EQUAL.
	E	268 WATT (32329 LUMENS) LED LUMINAIRE 4000K COLOR TEMPERATURE WIRED FOR 120 VOLT OPERATION. DESIGNED FOR TYPE IV DISTRIBUTION. SYMBOL CONSIST OF NEW ARM AND LED LUMINAIRE ASSEMBLY INSTALLED BY FPL ON AN EXISTING FPL POLE. LIGHTING PHOTOMETRICS BASED ON ATB2 80 BLEDE10 R4 OR EQUAL.
		EXISTING LIGHT POLE TO REMAIN.
		EXISTING LIGHT POLE TO BE REMOVED.
		SURFACE MOUNTED JUNCTION BOX. FOR SPECIFICATIONS SEE SECTION 635 OF STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION.
		PULL BOX. FOR SPECIFICATIONS SEE SECTION 635 OF STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION.
		SCHEDULE 40 PVC CONDUIT, OPEN TRENCH, WITH THW OR THWN CONDUCTORS INSIDE (CONDUIT AND CONDUCTOR SIZE AS SHOWN ON PLAN SHEETS). RUN ONE (1) 6 AWG COPPER BOND CONDUCTOR (TW GREEN INSULATION) INSIDE CONDUIT WITH OTHER CONDUCTORS.
		HDPE (SDR 11) CONDUIT, DIRECTIONAL BORE, WITH THW OR THWN CONDUCTORS INSIDE (CONDUIT AND CONDUCTOR SIZE AS SHOWN ON PLAN SHEETS). RUN ONE (1) 6 AWG COPPER BOND CONDUCTOR (TW GREEN INSULATION) INSIDE CONDUIT WITH OTHER CONDUCTORS.
		SCHEDULE 80 PVC CONDUIT, BRIDGE SURFACE MOUNT (ATTACHED OUTSIDE FACE OF BARRIER) , WITH THW OR THWN CONDUCTORS INSIDE (CONDUIT AND CONDUCTOR SIZE AS SHOWN ON PLAN SHEETS).

POLE DATA


POLE NO.	LABEL	CIRCUIT	STATION	BRACKET ARM	LUMINAIRE WATTAGE	MOUNTING HEIGHT	POLE OFFSET
1	E	FPL INSTALLED	113+58	8'	268	37.5'	7' RT
* 2	C	EXIST CKT C-III	115+45	10'	268	40'	73' LT
3	D	EXIST. CKT C-IV	115+96	EXIST.	268	EXIST.	42' RT
4	D	EXIST. CKT C-IV	115+99	EXIST.	268	EXIST.	166' RT
5	D	EXIST.C-III	116+03	EXIST.	268	EXIST.	174' LT
6	A	SIGNAL	116+09	10'	268	40'	101' LT
7	A	SIGNAL	117+62	10'	268	40'	113' LT
8	C	EXIST. CKT C-VI	117+67	10'	268	40'	122' RT
9	C	EXIST. CKT C-VI	117+73	10'	268	40'	47' RT
10	D	EXIST. CKT C-VI	117+75	EXIST.	268	EXIST.	174' LT
11	A	SIGNAL	117+89	10'	268	40'	32' RT
12	B	FPL INSTALLED	118+32	8'	268	37.5'	82' LT
13	B	FPL INSTALLED	118+42	8'	268	37.5'	27' RT
14	B	FPL INSTALLED	119+47	8'	268	37.5'	81' LT
15	B	FPL INSTALLED	120+76	8'	268	37.5'	75' LT

* SEE STRUCTURAL SHEET FOR LIGHT POLE PEDESTAL FOUNDATION DETAILS.

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SCALAR CONSULTING GROUP INC.
5713 CORPORATE WAY., SUITE 200
WEST PALM BEACH, FL 33407
TEL. 561-429-5065
JOHN D. WHITAKER, P.E.
P.E. NO.: 68599
VENDOR NO. 451909667

NO.	REVISION	BY	DATE



PALM BEACH COUNTY
ENGINEERING AND PUBLIC WORKS
ROADWAY PRODUCTION
P.O. BOX 21229, WEST PALM BEACH, FLORIDA
(561) 684-4150

SCALE: 1/1
APPROVED: JDW
DRAWN: DA
CHECKED: SDW
DATE: 5/24/2020

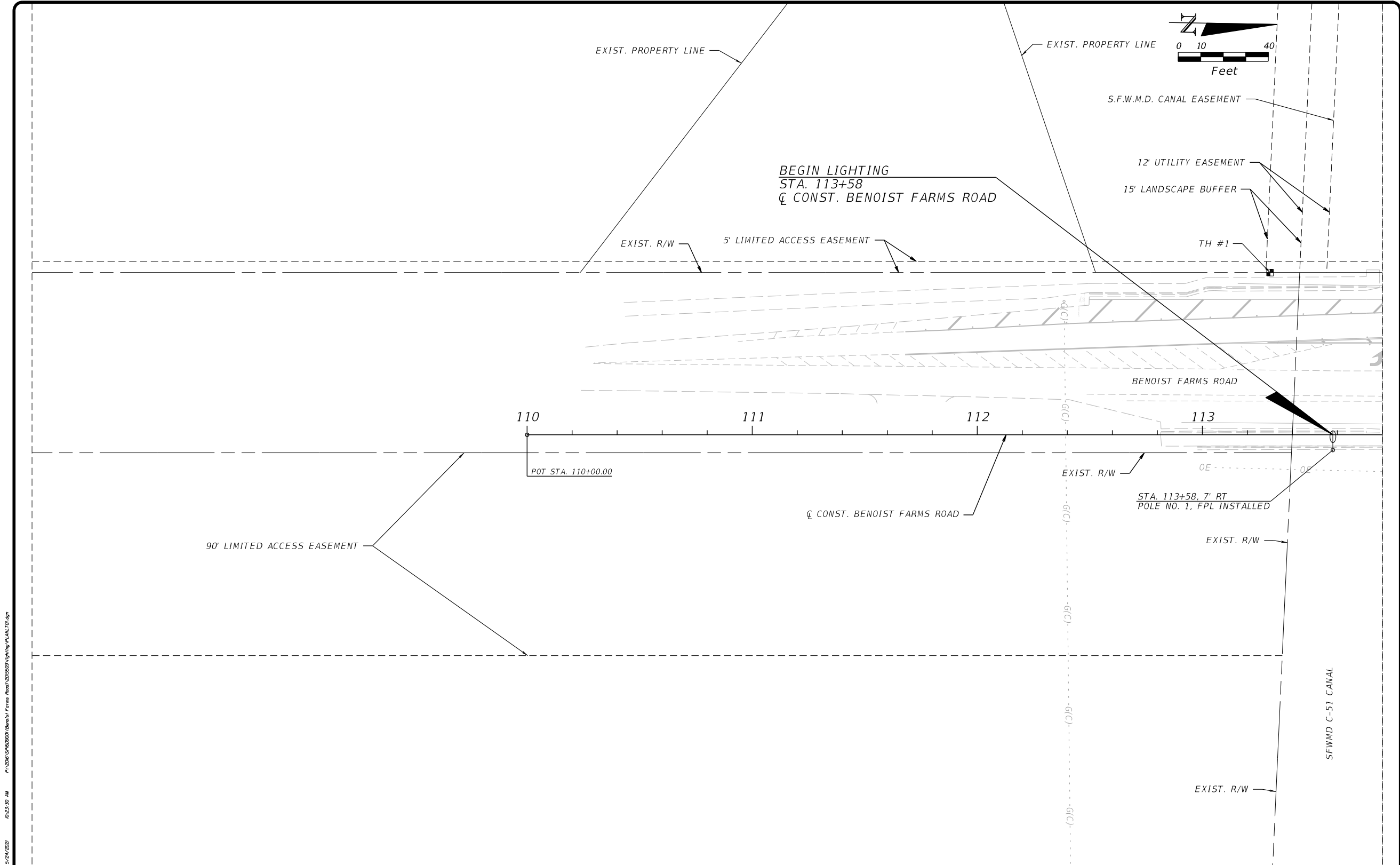
POLE DATA AND LEGEND
BENOIST FARMS ROAD

DESIGN FILE NAME
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DRAWING NO.

SHEET: L-4
OF: L-20
PROJECT NO. 2015509

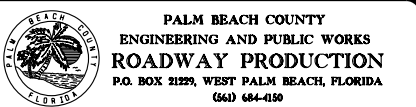
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5713 CORPORATE WAY., SUITE 200
WEST PALM BEACH, FL 33407
TEL: 561-429-5065
JOHN D. WHITAKER, P.E.
P.E. NO.: 68599
VENDOR NO. 451909667

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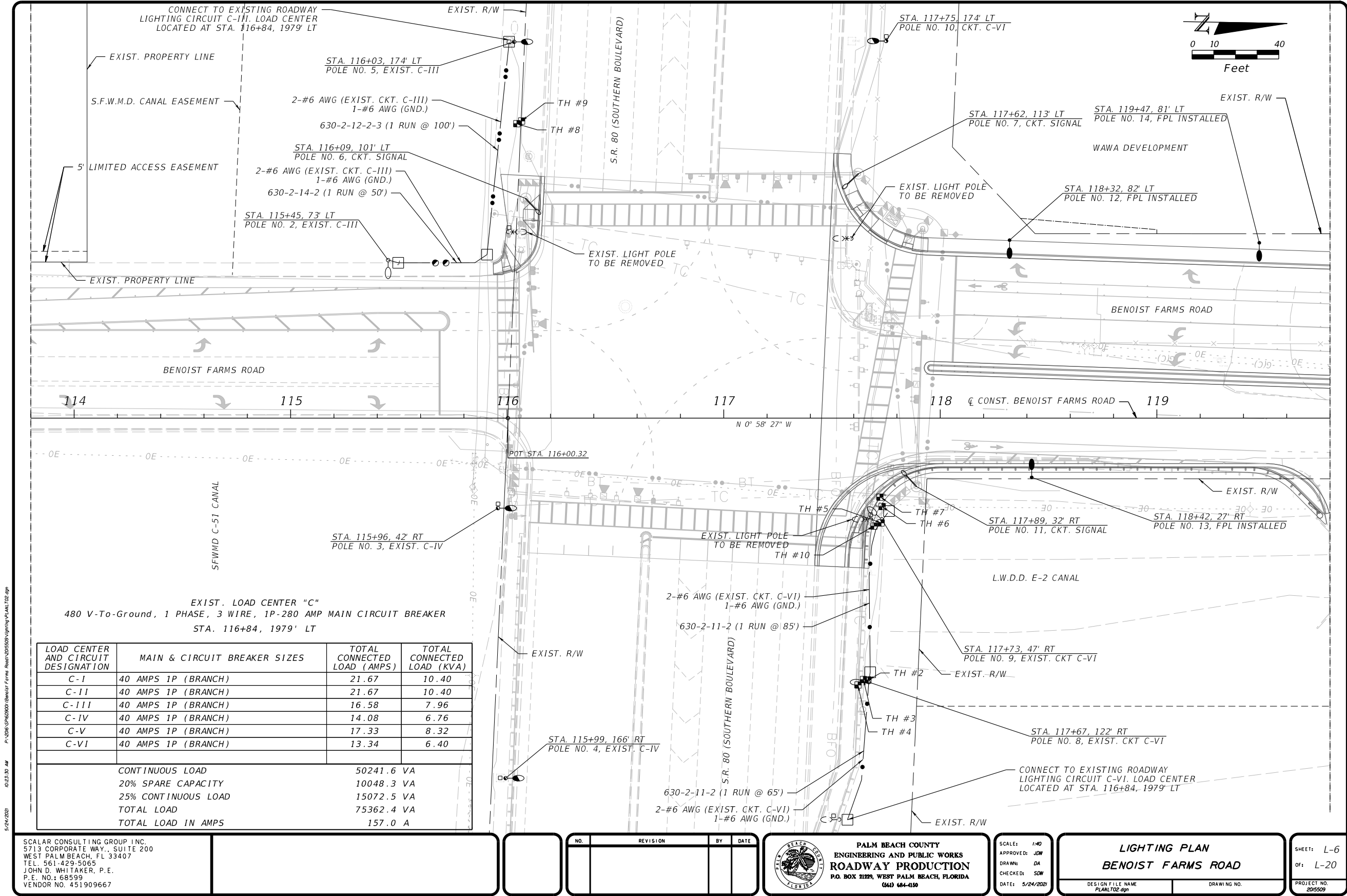


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LIGHTING PLAN
BENOIST FARMS ROAD
DESIGN FILE NAME: PLANLTD.dgn
DRAWING NO.

SHEET: L-5
OF: L-20
PROJECT NO. 2015509


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P.E. NO.: 68599
VENDOR NO. 451909667

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ROADWAY PRODUCTION
P.O. BOX 21229, WEST PALM BEACH, FLORIDA
(561) 684-4150

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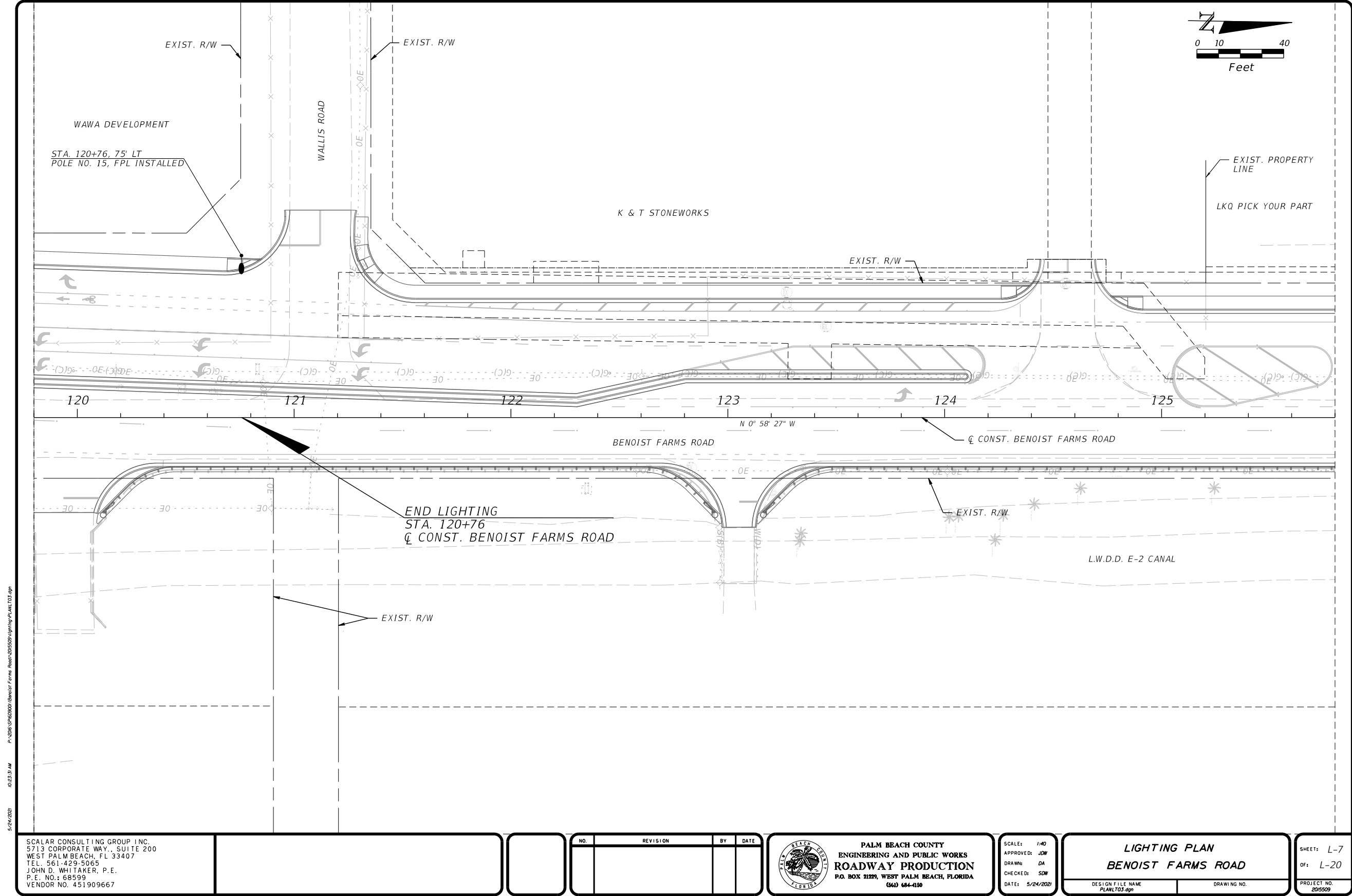
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BENOIST FARMS ROAD

DESIGN FILE NAME
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OF: L-20
PROJECT NO.
201509

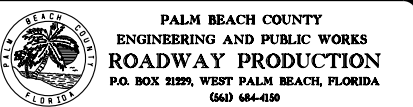
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5713 CORPORATE WAY., SUITE 200
WEST PALM BEACH, FL 33407
TEL 561-429-5065
JOHN D. WHITAKER, P.E.
P.E. NO.: 68599
VENDOR NO. 451909667

NO.	REVISION	BY	DATE

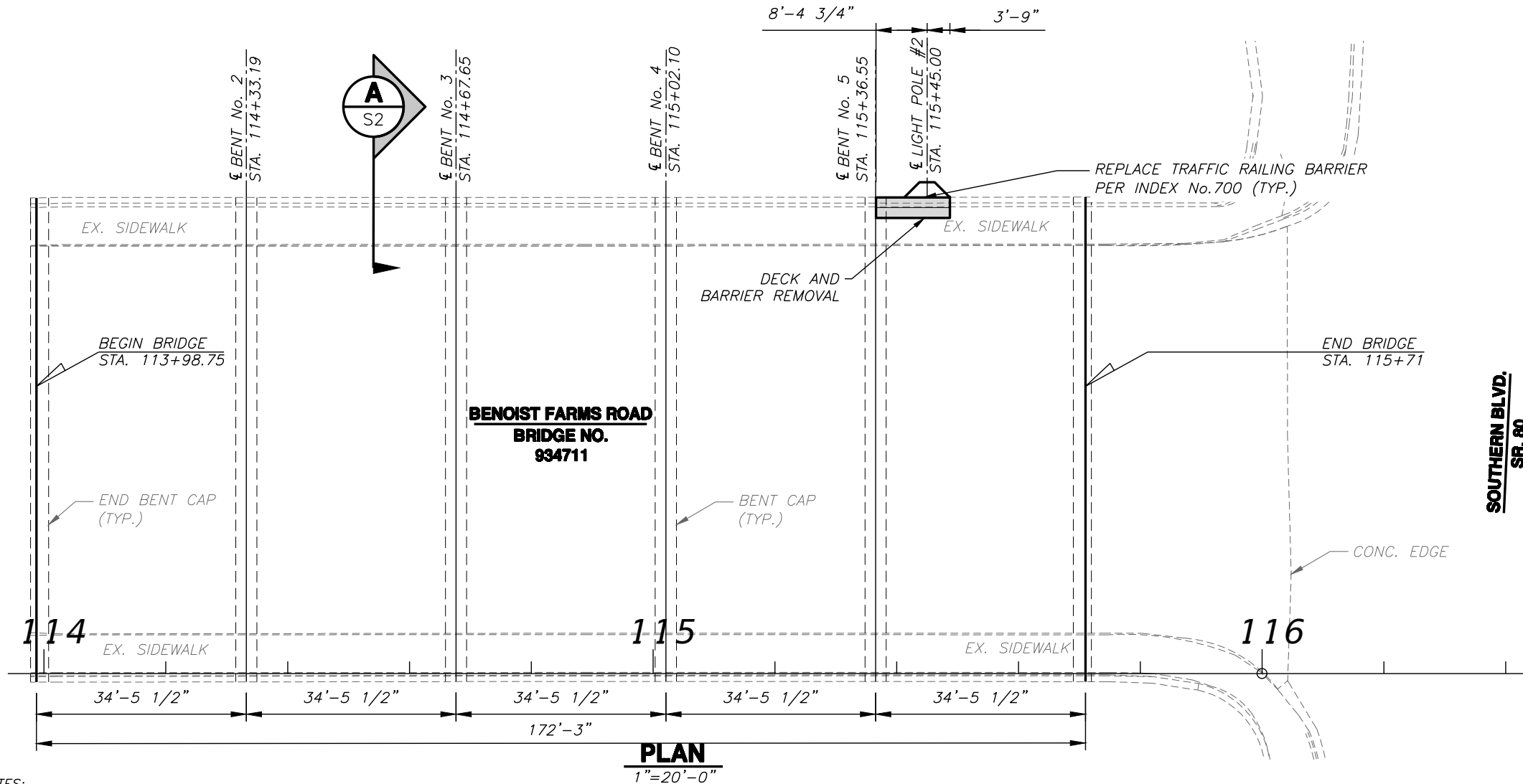


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DRAWN: DA
CHECKED: SDW
DATE: 5/24/2020

LIGHTING PLAN
BENOIST FARMS ROAD
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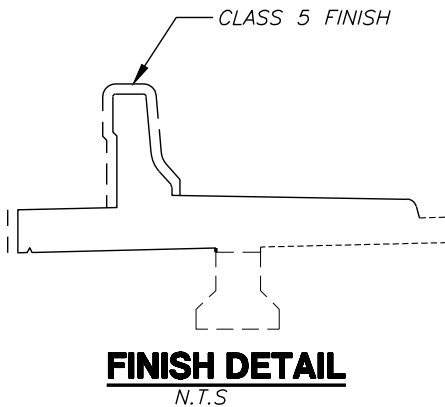
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OF: L-20
PROJECT NO. 201509

PERMITS



LEGEND

- NEW LIGHT POLE PEDESTAL PER STD PLAN 521-660
- LIMITS OF COMPLETE DECK REMOVAL



GENERAL NOTES:

1. FOR EXISTING BRIDGE INFORMATION NOT SHOWN AND FOR ADDITIONAL NOTES, PLEASE REFER TO THE EXISTING BRIDGE PLANS.

DECK SLAB REMOVAL NOTES:

1. SCORE CUT THE CONCRETE BY SAWING THE DECK SLAB WITH A 3/4" DEEP CUT ALONG THE GUTTER LINE. REMOVE THE 6" RAISED SIDEWALK AND HYDROBLAST THE EXISTING DECK TO A MINIMUM OF 1" BELOW THE DECK SLAB TOP MAT. REMOVE THE REMAINING EXISTING CONCRETE DECK FROM THE C BEAM TO THE FACE OF COPING INCLUDING THE BARRIER WALL. THE DECK EXISTING REINFORCING IS TO REMAIN. THE CONTRACTOR SHALL AVOID DAMAGING REINFORCING STEEL DURING SAWING OPERATION AND SLAB REMOVAL.
2. TO ENSURE BOND BETWEEN THE NEW CONCRETE AND THE EXISTING BARS, ALL EXPOSED REINFORCING STEEL SHALL BE STRIPPED CLEAN BY OIL FREE ABRASIVE BLASTING OR HIGH PRESSURE WATER BLASTING. EXISTING SUPERSTRUCTURE SLAB REINFORCEMENT THAT IS DAMAGED OR OTHERWISE DETERMINED TO BE UNSATISFACTORY BY THE ENGINEER, SHALL BE REPLACED BY #6 DOWELS AS SHOWN IN THE DOWEL PLACEMENT DETAIL. HOLES FOR DOWEL BARS SHALL BE THOROUGHLY CLEANED AND DRIED PRIOR TO PLACING MATERIAL AND DOWELS. THE ADHESIVE BONDING MATERIAL SHALL BE IN ACCORDANCE WITH SECTION 416 & 937 OF THE SPECIFICATIONS.
3. ADHESIVE ANCHOR TO DEVELOP 75 KSI STRESS IN TENSION AND COMPRESSION. FOLLOW MANUFACTURER RECOMMENDATIONS FOR DRILLING OPERATION AND INSTALLATION PROCEDURE.
4. LAP THE LIGHT POLE PEDESTAL TOP AND BOTTOM BARS WITH EXISTING STRAIGHT TRANSVERSE BARS.
5. ALL CONTACTING SURFACES BETWEEN THE OLD AND NEW CONCRETE SHALL BE CLEANED IMMEDIATELY BEFORE CASTING CONCRETE.

6. FINISHED TOP SURFACES SHALL MATCH THE EXISTING CONCRETE ELEVATIONS ALONG THE CUT LINE AND THE CROSS SLOPE SHALL MATCH THAT OF THE EXISTING DECK.

7. CONTRACTOR SHALL TAKE CARE TO PREVENT DEBRIS, CONCRETE SLURRY OR FRESH CONCRETE FROM ENTERING THE CANAL. IF ANY DEBRIS OR FRESH CONCRETE ENTERS THE CANAL IT SHALL BE CONTAINED AND REMOVED AT THE CONTRACTOR'S EXPENSE.

CONCRETE: ALL CONCRETE SHALL CONFORM WITH SECTION 346.

1. BRIDGE DECK: CLASS II, f'c = 4,500 PSI
2. TRAFFIC RAILING BARRIER: CLASS II, f'c = 3,400 PSI

CONCRETE SURFACE FINISH

1. A CLASS 5 FINISH COATING SHALL BE APPLIED TO THE FOLLOWING.
 - THE TOP, INSIDE AND OUTSIDE FACES OF CONCRETE BARRIERS
 - THE OUTSIDE FACE OF THE DECK OVERHANG

LIGHT POLE PEDESTAL

1. NEW LIGHT POLE PEDESTAL SHALL BE STANDARD PLAN 521-660 WITH THE FOLLOWING EXCEPTIONS:
 - 1-1/2" CONDUIT EMBEDDED IN PEDESTAL IS NOT REQUIRED.
 - PEDESTAL REINFORCING MAY BE SHIFTED LOCALLY TO AVOID ANY CONFLICTS.
2. SUBMIT ANCHOR BOLTS, BILL OF REINFORCEMENT AND BAR BENDING DIAGRAM FROM FABRICATOR TO ENGINEER FOR APPROVAL.

FINAL PLANS

Alan Gerwig & Associates, Inc.

12798 W. Forest Hill Blvd., Suite 201
Wellington, FL 33414
CA #7969
Ph.: (561) 792-9000
Fax.: (561) 792-9901
Project No. 16-034

Civil and Structural Engineers

Scale: AS NOTED
Approved: SAC
Drawn: RDS
Checked: ALG
Date: 06-02-21



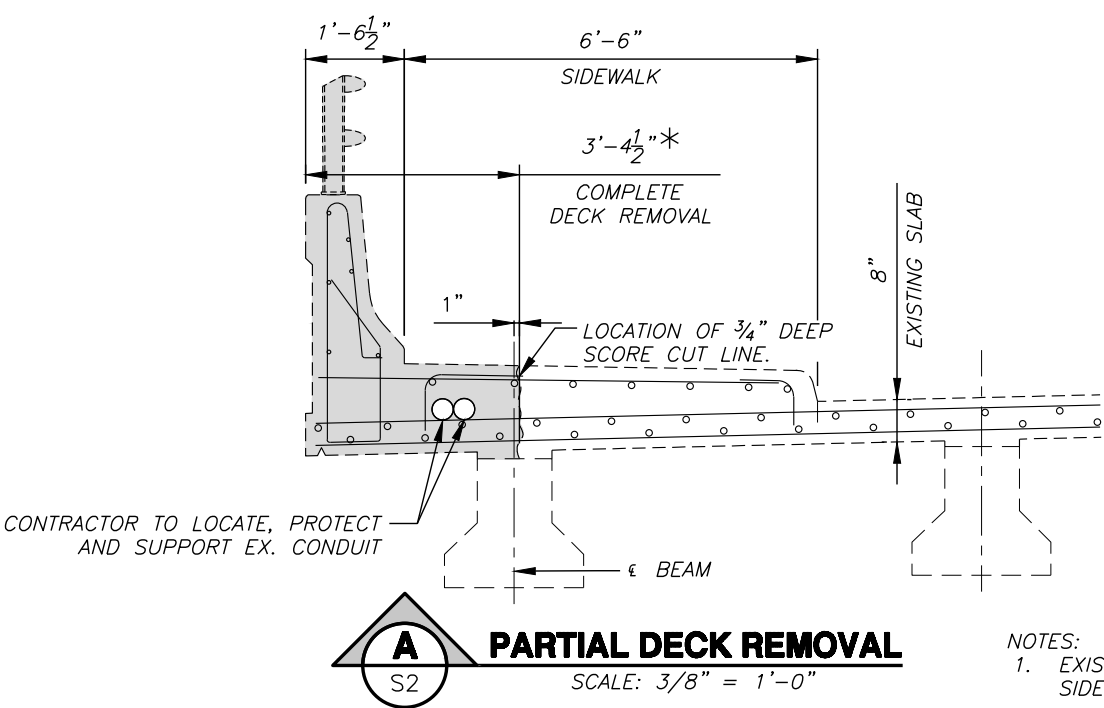
PALM BEACH COUNTY
ENGINEERING AND PUBLIC WORKS
ROADWAY PRODUCTION
P.O. BOX 21229, WEST PALM BEACH, FLORIDA

ALAN L. GERWIG, P.E.
License No. 39481

BENOIST FARMS ROAD
FROM S.R. 80 (SOUTHERN BLVD.) TO BELVEDERE ROAD
BRIDGE LIGHT MOUNTING DETAILS (1 OF 2)

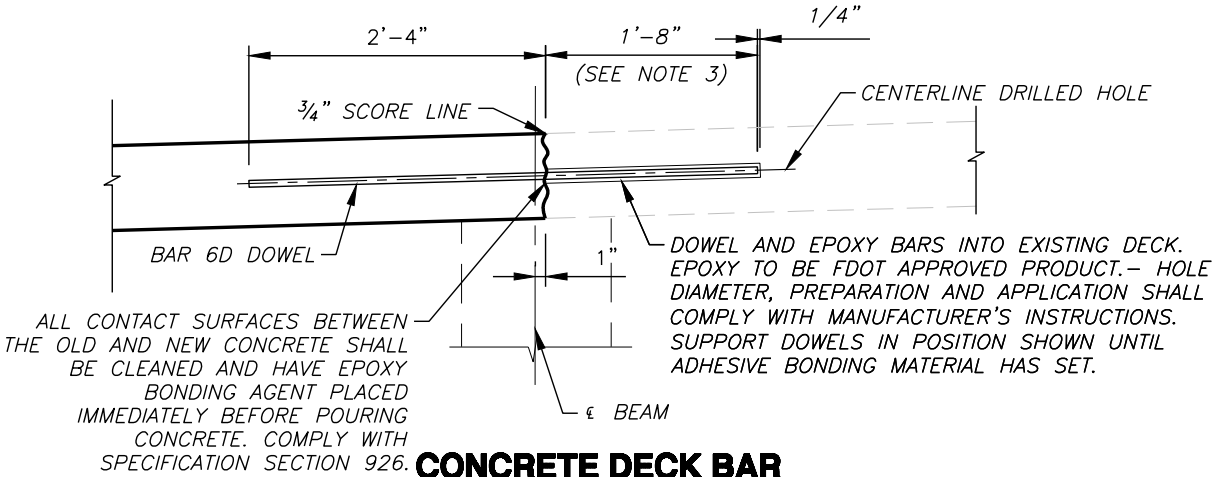
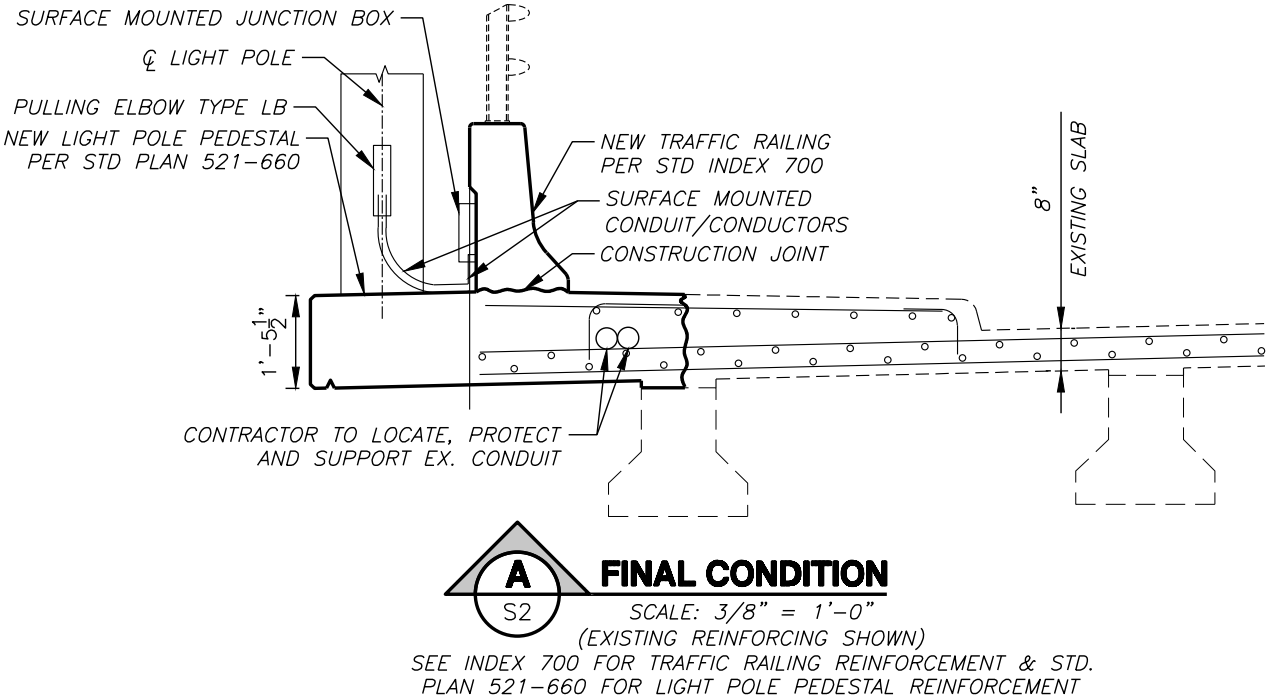
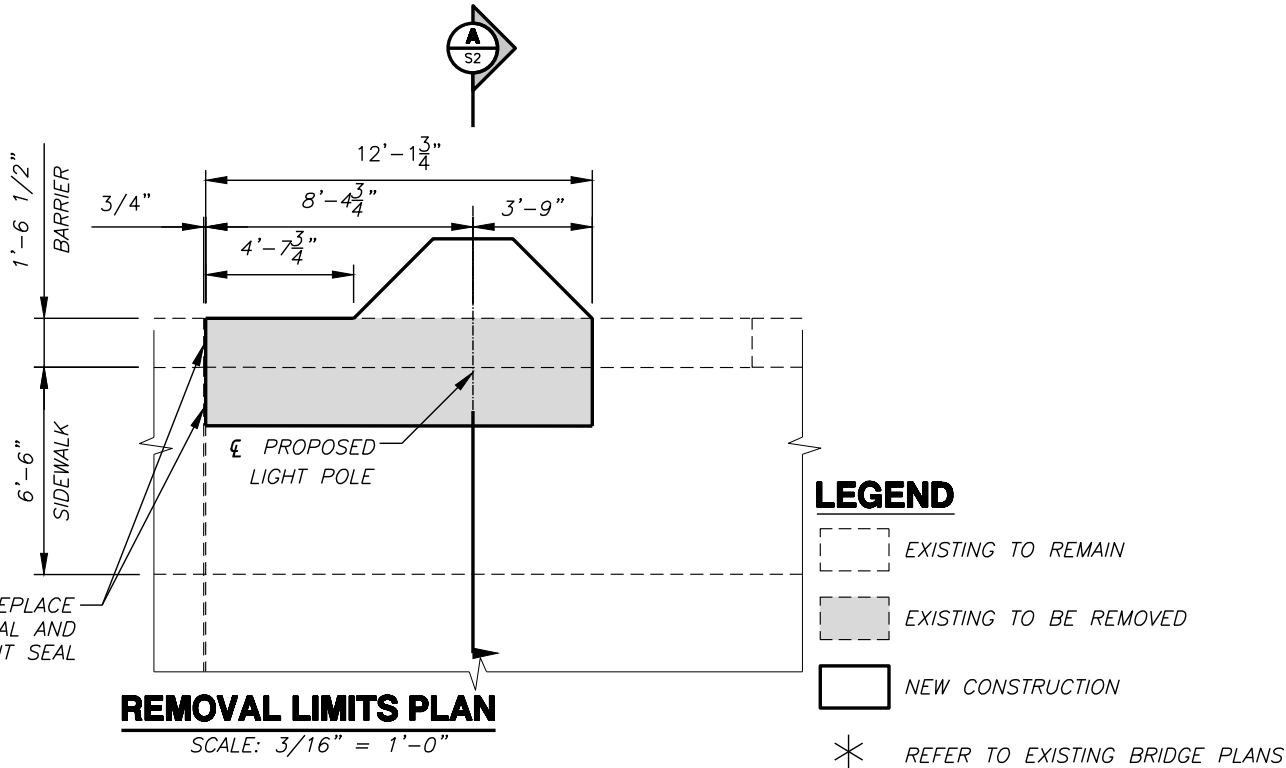
Sheet: L- 8
Of: L-20
Project No.: 2015509

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REMOVE, CLEANOUT AND REPLACE EXISTING JOINT MATERIAL AND JOINT SEAL

- NOTES:
1. EXISTING BARRIER, DECK AND SIDEWALK REINFORCING IS TO REMAIN.



- NOTES:
1. DOWELS SHALL BE TENSION TESTED PER SPECIFICATION SECTION 416-6.1 AT THE CONTRACTOR'S EXPENSE.
 2. DO NOT INTENTIONALLY CUT EXISTING REINFORCING BARS AND REPLACE WITH DOWELS.
 3. THE DOWEL EMBEDMENT OF 1'-8" SHOWN IS FOR A SINGLE DOWEL IN ISOLATION OR DOWELS SEPARATED BY AT LEAST 14" (2 BAR SPACES). FOR DOWELS REPLACING 2 ADJACENT BARS SEPARATED BY 7" (1 BAR SPACING), THE EMBEDMENT SHOULD BE INCREASED TO 2'-2". IN THE EVENT THAT MORE THAN 2 ADJACENT BARS NEED TO BE REPLACED, THE CONTRACTOR SHOULD NOTIFY THE ENGINEER TO OBTAIN FURTHER DIRECTION.
 4. SHIFT DOWEL HOLE LOCATION IF EXISTING REINFORCEMENT IS ENCOUNTERED
 5. TRAFFIC SHALL BE MAINTAINED 12' FROM CURB LINE FOR MINIMUM OF 72 HRS. IMMEDIATELY FOLLOWING CONCRETE PLACEMENT.

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Wellington, FL 33414
CA #7969
Ph.: (561) 792-9000
Fax: (561) 792-9901
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Civil and Structural Engineers

Scale: AS NOTED
Approved: SAC
Drawn: RDS
Checked: ALG
Date: 06-02-21

No.	Revision	By	Date



PALM BEACH COUNTY
ENGINEERING AND PUBLIC WORKS
ROADWAY PRODUCTION
P.O. BOX 21229, WEST PALM BEACH, FLORIDA

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License No. 39481

BENOIST FARMS ROAD
FROM S.R. 80 (SOUTHERN BLVD.) TO BELVEDERE ROAD
BRIDGE LIGHT MOUNTING DETAILS (2 OF 2)

FINAL PLANS

Sheet: L- 9
Of: L-20
Project No.: 2015509

PERMITS

GENERAL NOTES

GENERAL SPECIFICATIONS: Florida Department of Transportation Standard Specifications for Road and Bridge Construction (2004 edition).

DESIGN SPECIFICATIONS: AASHTO Standard Specifications for Highway Bridges (16th Edition, 1996) and approved Interim Specifications through 2002.

Florida Department of Transportation Structures Design Guidelines, 2000 Topic No. 625-020-152-a Including Temporary Design Bulletins to date.

DESIGN METHOD: Strength Design Method (Load Factor Design) except Prestressed beams are designed by Service Load and ultimate strength is checked by Load Factor Design Method. The Substructure has been designed by the Load Factor Design Method.

DESIGN LOADING: MS18 and modified for Military Loading with Impact.

DISTRIBUTION VALUES:

	Interior Beams	Exterior Beams
Live Load (as function of beam spacing S)	S/5.5	Fraction of wheel load assuming floor acting as simple span between beams
Traffic Barrier	In accordance with Section 10J3 of the Structures Design Guidelines.	

FUTURE WEARING SURFACE: Design Includes allowance for 720 N/m².

STAY-IN-PLACE METAL FORMS: Stay-in-Place metal forms shall be used to form the deck slab of the bridge as shown on the plans. Forms for the deck slab overhangs shall be removable and they shall not be corrugated. Forms shall be installed with manufacturer's standards. Electric grounding to reinforcing steel is prohibited. See Article 400-5.7 of the Specifications.

Design Includes allowance for 960 N/m² over the projected plan area of the metal forms for the unit weight of metal and concrete required to fill the form flutes.

EARTHQUAKE: Minimum bearing support dimensions in accordance with Procedure I of AASHTO Seismic Performance Category "A".

WIND LOADS: As per AASHTO Section 3J5 modified in accordance with FDOT Structures Design Guidelines, Section 4.3.

PILES: For pile loads, size and additional notes, see Foundation Layout Drawings.

PILE SPLICES: Pile splices can be constructed using OPL products that comply with Specification Section 926, Epoxy Compound, Type B.

END BENT PILES: End Bent Piles are to be driven or installed before construction of the proposed embankment. End Bent Piles shall have those portions exposed above existing ground wrapped with polyethylene sheeting in accordance with Section 459 of the Specifications.

CONCRETE: All concrete shall conform with Section 346.

CLASS OF CONCRETE	MINIMUM 28-DAY COMPRESSIVE STRENGTH (MPa)	MODULUS OF ELASTICITY (GPa)	LOCATION
II	f'c = 31	24.0	Bridge Deck, Diaphragms & Approach Slabs
II	f'c = 23	20.7	Substructure, Traffic Railing Barriers, Sidewalks & Retaining Wall
IX (Special)	f'c = 41 (31 MPa at release)	27.6	Prestressed Concrete Piling & Beams

THERMAL LOADS:

Longitudinal Design:	21°C
Normal Mean Temperature	0.000009
Thermal Coefficient	

Temperature Range for Design of Structure:

High	35°C
Low	7°C

Temperature Range for sizing Bearings and Joints:

High	35°C
Low	7°C

ELEVATIONS: All elevations are referred to the National Geodetic Vertical Datum (NGVD) of 1929, multiplied by a factor of 12/39.37 for a soft conversion to the metric units system.

REINFORCING STEEL: All reinforcing steel shall be ASTM A615M-96a, Grade 420, unless otherwise shown on the plans.

PRESTRESSING STRANDS: Prestressing strands used for prestressed beams shall be No. 13, Grade 1860, low-relaxation strands conforming to ASTM A-416. Prestressing strands used for precast piles shall be in accordance with the applicable FDOT Standard Drawing Index.

ENVIRONMENT: Superstructure: Non-corrosive (Slightly Aggressive)
Substructure: Non-corrosive (Slightly Aggressive)
Location: Inland

CONCRETE COVER: Concrete cover shown in the plans does not include reinforcement placement and fabrication tolerances unless shown as "minimum cover". See FDOT Standard Specifications for allowable reinforcement placement tolerances. Unless otherwise shown on the plans, the following concrete covers shall be used:

LOCATION	COVER	DESCRIPTION
Superstructure Cast-in-place	50	All External Surfaces, Internal Surfaces and all Top Riding Surfaces
Substructure Cast-in-place	100	External Surfaces cast against earth
Cast-in-place	75	External Surfaces Formed
Precast	75	Piling
Cast-in-place	75	Beam Pedestals
Prestressed Members - see drawings		

CHAMFER: All exposed edges and corners of concrete shall be chamfered 20 mm unless otherwise noted.

CONCRETE SURFACE FINISH: All exposed surfaces (top, inside and outside) of end bent wingwalls, traffic railing barriers and deck slab copings, see detail on Sheet No. C-2, shall receive a "Class 5 Applied Finish Coating."

SIDEWALK CONCRETE SURFACE FINISH: The sidewalk shall be built in accordance with Section 400 of the Specifications except that the sidewalk shall be finished as per Article 522-7.

DIMENSIONS: All dimensions are in millimeters (mm) except as noted.

BRIDGE FLOOR GROOVING: Bridge floor and Approach Slabs shall receive a Class 4 Floor Finish in accordance with Subarticle 400-15.2.5 of the Specifications.

SCREEDING DECK SLABS: The riding surface of the bridge deck shall be screeded to the finish grade elevations which include allowance for permanent camber.

COMPOSITE NEOPRENE BEARING PADS: Composite Neoprene Bearing Pads as designated in the plans shall be furnished and installed by the Contractor.

JACKING: See Sheet No. C-25.

UTILITIES:

- 1) The utilities shown in the Bridge Plans are at approximate locations. All involved utilities shall be verified by the Contractor prior to starting work.
- 2) For additional information, refer to the Utilities Plans. The Contractor shall notify all involved utility companies prior to starting work.

MAINTENANCE OF TRAFFIC: For additional maintenance of traffic details, see Roadway plans.

NOISE RESTRICTIONS: The Contractor shall strictly adhere to all local noise ordinances. All pile driving operations shall be limited to the hours of 7:00 A.M. to 6:00 P.M. Methods of maintaining construction noise levels may include but not be limited to temporary noise barriers, enclosures for equipment, mufflers, etc. There will be no separate payment for any of these measures.

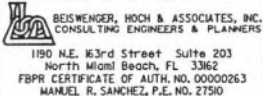
VIBRATION: The Contractor shall provide surveys and settlement/vibration monitoring of the existing structures as per FDOT Standard Specifications. The cost of all vibration monitoring as required here and specified in Section 455 shall be paid for under Pay Item No. 2455-18, Protection of Existing Structures.

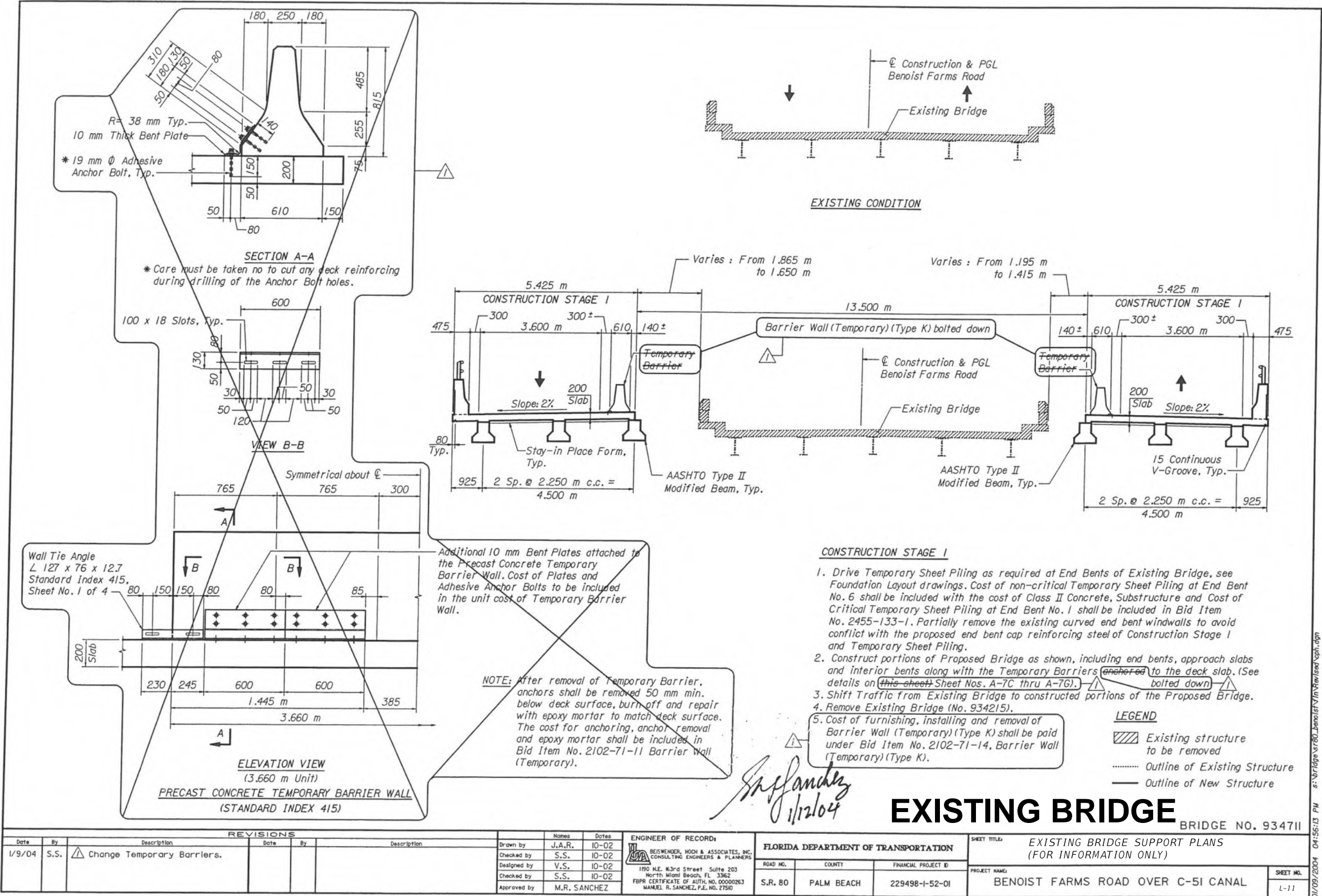
PILE DRIVING REQUIREMENTS: The location of the NUI Gas Main as shown on the plans has not been verified by BHA. Therefore the Contractor, during pile driving/installation of Stage I, Left Bridge, should use a suitable working method in coordination with the NUI City Gas Company to insure safety of the operation and no damages to the NUI Gas Main. Pile driving/installation of Stage I, Left Bridge shall be done between April 1 and August 1 every calendar year when NUI Gas Main can temporarily be taken out of service. Contractor should coordinate with NUI City Gas Company during construction.

Sniffander
11/2/03

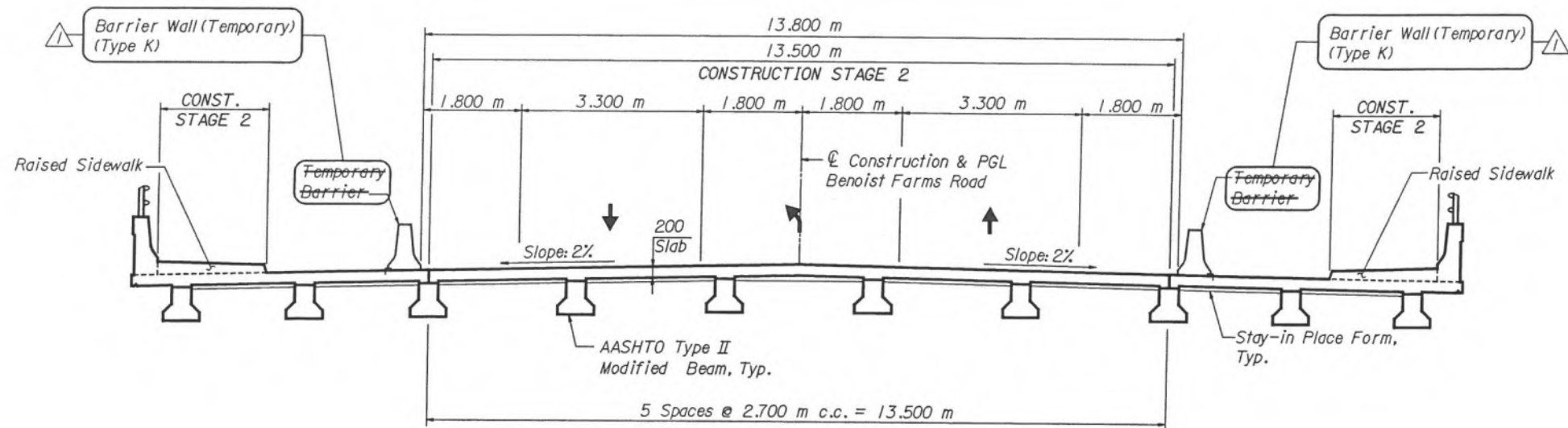
EXISTING BRIDGE

BRIDGE NO. 934711

REVISIONS						Names		Dates		ENGINEER OF RECORD:  BEISWEIDER, HOCH & ASSOCIATES, INC. CONSULTING ENGINEERS & PLANNERS 1190 N.E. 13 rd Street, Suite 203 North Miami Beach, FL 33162 FBPR CERTIFICATE OF AUTH. NO. 00000263 MANUEL R. SANCHEZ, P.E. NO. 27510	FLORIDA DEPARTMENT OF TRANSPORTATION			SHEET TITLE:	
Date	By	Description	Date	By	Description	Drawn by	T.C.	10-02			ROAD NO.	COUNTY	FINANCIAL PROJECT ID	EXISTING BRIDGE SUPPORT PLANS (FOR INFORMATION ONLY)	
						Checked by	S.S.	10-02						PROJECT NAME: BENOIST FARMS ROAD OVER C-51 CANAL	
						Designed by	M.R.S.	10-02							
						Checked by	S.S.	10-02							
						Approved by	M.R. SANCHEZ				S.R. 80	PALM BEACH	229498-1-52-01	SHEET NO. L-10	

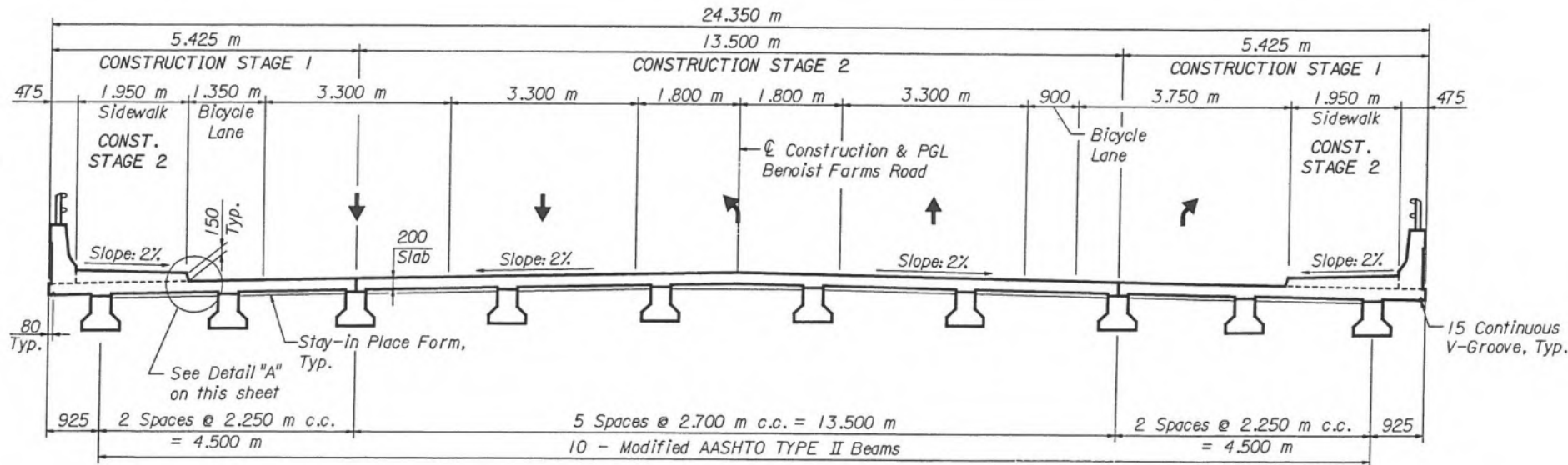
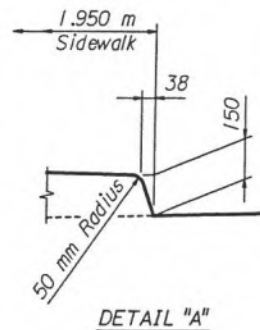


PERMITS



CONSTRUCTION STAGE 2

1. Construct remaining portion of the Proposed Bridge as shown including end bents, approach slabs and interior bents.
2. Shift Traffic as shown.
3. Construct Raised Sidewalks.



ULTIMATE SECTION

Remove Temporary Barrier Wall and Shift Traffic to Final configuration shown.

NOTE: See Roadway Plans for complete MOT requirements.

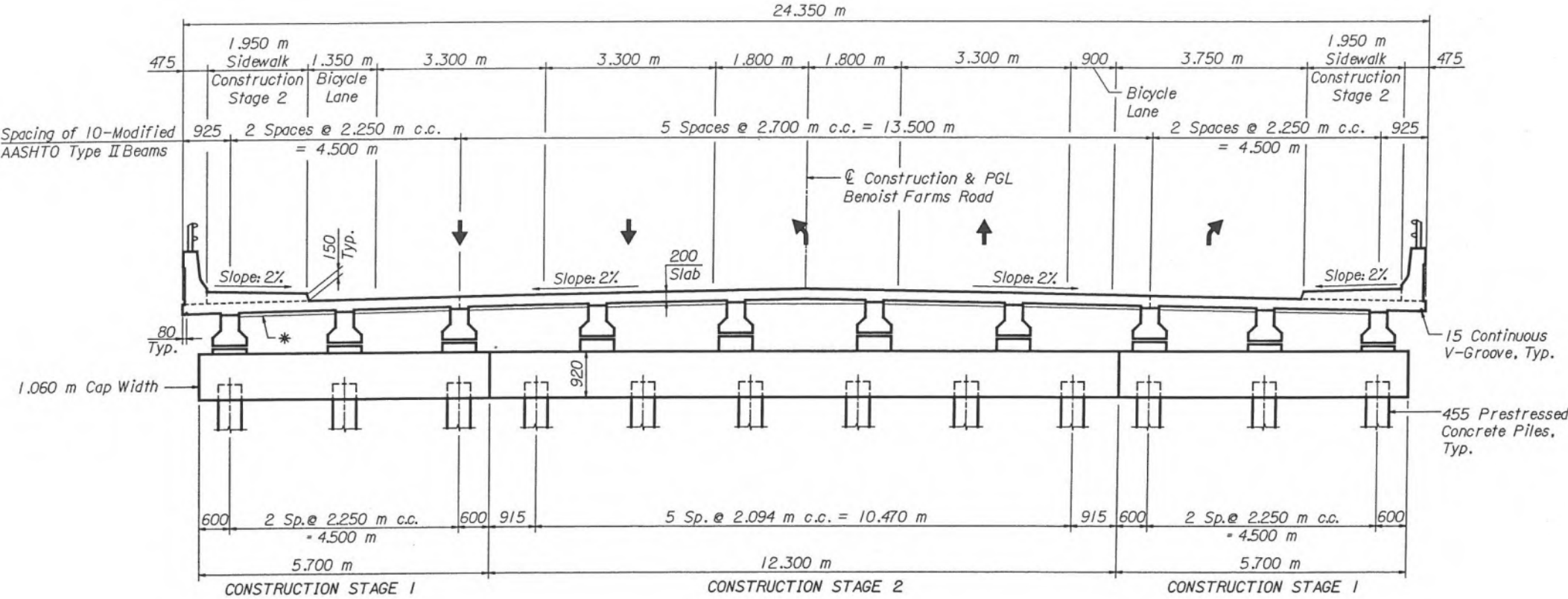
Manuel R. Sanchez
1/12/04

EXISTING BRIDGE

BRIDGE NO. 934711

REVISIONS				ENGINEER OF RECORD				FLORIDA DEPARTMENT OF TRANSPORTATION				SHEET TITLE		PROJECT NAME		SHEET NO.	
Date	By	Description		Drawn by	Names	Dates		ROAD NO.	COUNTY	FINANCIAL PROJECT ID		EXISTING BRIDGE SUPPORT PLANS		BENOIST FARMS ROAD OVER C-51 CANAL		L-12	
1/9/04	S.S.	Change Temporary Barriers.		Checked by	J.A.R.	10-02		S.R. 80	PALM BEACH	229498-1-52-01		(FOR INFORMATION ONLY)					
				Designed by	S.S.	10-02											
				Checked by	V.S.	10-02											
				Approved by	S.S.	10-02											
					M.R. SANCHEZ												

PERMITS




TYPICAL SECTION
(Showing Intermediate Pile Bent)
* Stay in Place Form, Typ.

NOTE: All piles are shown plumb. For information on piles required to be battered, see Foundation Layout.

Manuel R. Sanchez
11/3/03

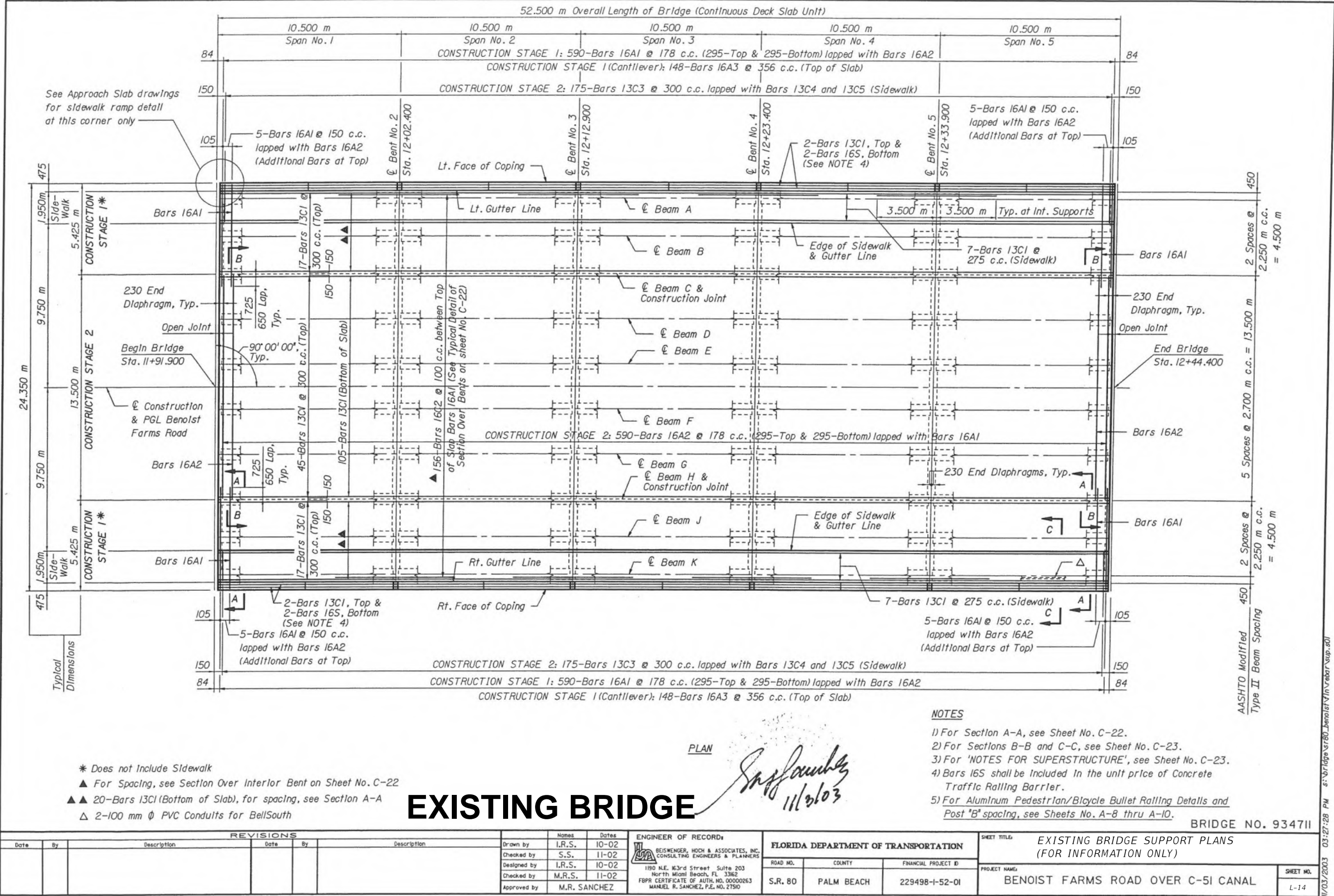
EXISTING BRIDGE

BRIDGE NO. 934711

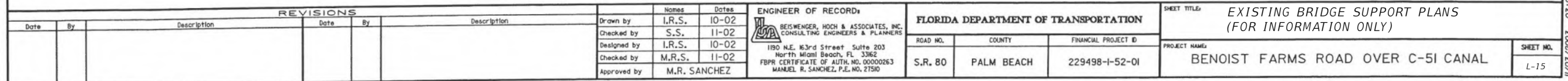
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Date	By	Description	Date	By	Description	Drawn by	T.C.	10-02		BEISWENGER, HOCH & ASSOCIATES, INC. CONSULTING ENGINEERS & PLANNERS 1190 N.E. 63rd Street, Suite 203 North Miami Beach, FL 33162 FBPR CERTIFICATE OF AUTH. NO. 00000263 MANUEL R. SANCHEZ, P.E. NO. 27510		ROAD NO.	COUNTY	FINANCIAL PROJECT ID	EXISTING BRIDGE SUPPORT PLANS (FOR INFORMATION ONLY)		BENOIST FARMS ROAD OVER C-51 CANAL		L-13		
					Checked by	S.S.	10-02	S.R. 80				PALM BEACH	229498-1-52-01								
					Designed by	V.S.	10-02														
					Checked by	S.S.	10-02														
					Approved by	M.R. SANCHEZ															

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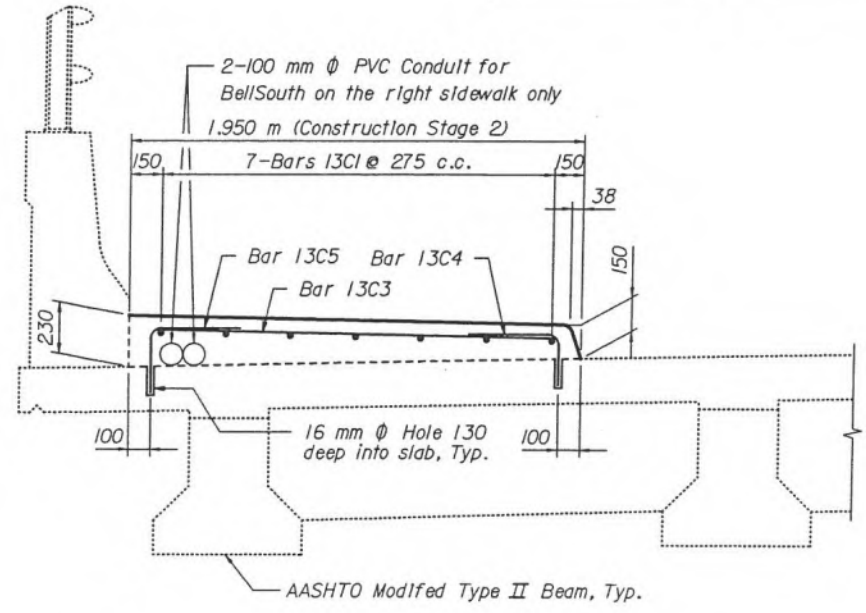
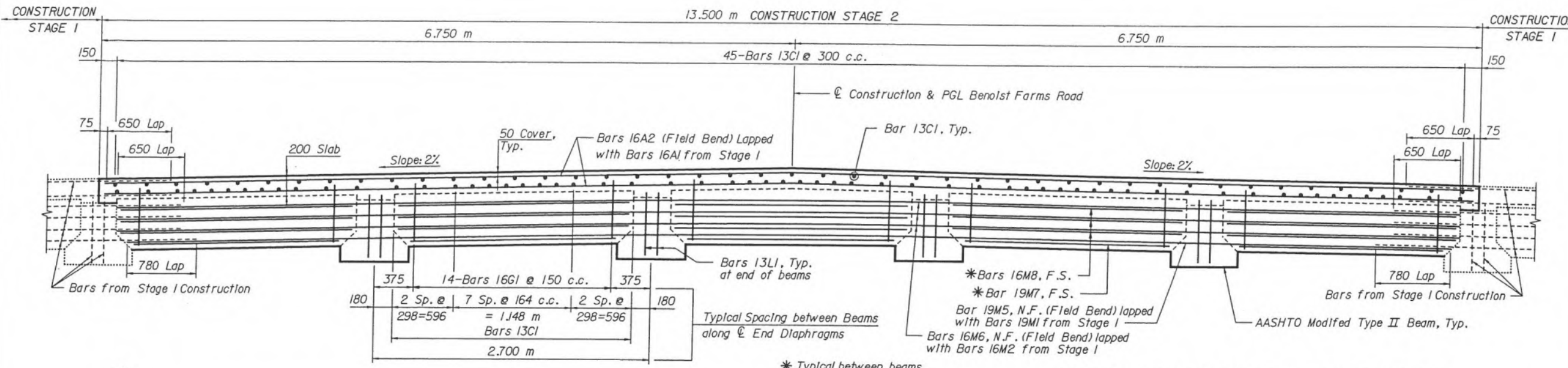
PERMITS



PER-182



PERMITS



SECTION C-C

SIDEWALK NOTES

- 1. Right side of the bridge shown, left side of bridge similar.
- 2. Deck slab and barrier reinforcement are not shown for clarity.
- 3. Holes to be drilled and shall be thoroughly cleaned and dried prior to grouting with a QPL approved epoxy grout. Drilling, placing and curing shall be in accordance with Manufacturer's Recommendation. During drilling care must be taken to avoid cutting the deck reinforcing bars.

SECTION B-B

NOTE: For location of Sections B-B and C-C, see Sheet No. C-21.

LEGEND

N.S. - Near Side
F.S. - Far Side

NOTES FOR SUPERSTRUCTURE

- 1) For Superstructure Details, see Sheets No. C-24 thru C-26.
- 2) For Reinforcing Bar List, see Sheet No. C-36.
- 3) For Standard Bar Bending Details, see Sheet No. A-15.
- 4) For Traffic Railing Barrier Joints and v-groove spacing, see Sheet No. C-19.
- 5) For Stay-In-Place Metal Form Details, see Sheet No. C-25.
- 6) For Superstructure Joint Details, see Sheet No. C-24.
- 7) For deck slab pouring sequence, see Sheet No. C-24.
- 8) For build-up over beam and beam deflection diagram, see Sheet No. C-24.
- 9) For Jacking Details, see Sheet No. C-25.


ESTIMATED QUANTITIES*									TOTAL	
ITEM	UNIT	STAGE 1				STAGE 2				
		LEFT SIDE		RIGHT SIDE		MIDDLE				
Class II Concrete (Superstructure) Slab □	M3	57.62	62.51	57.62	62.51	143.25	195.20	258.49	320.22	
Class II Concrete (Superstructure) Diaphragms	M3	4.89		4.89		13.44		23.22		
Class II Concrete (Superstructure) Sidewalk	M3	--		--		38.51		38.51		
Reinforcing Steel (Superstructure) [Grade 420]	KG	21,650				27,027		48,677		
AASHTO Type II Modified Prestressed Beams	MI	308.1				205.4		513.5		

- * Concrete and reinforcing steel shown in estimated quantities are for slab, diaphragms and sidewalk, and do not include concrete and reinforcing steel in prestressed beams and traffic railing barriers.
- The quantity of superstructure concrete shown does not include the concrete required to fill the Stay-In-Place metal form flutes. The cost of Stay-In-Place metal forms, the concrete required to fill the form flutes, the metal form attachments and accessories and all miscellaneous items required to install the forms shall be included in the contract unit price for superstructure concrete.

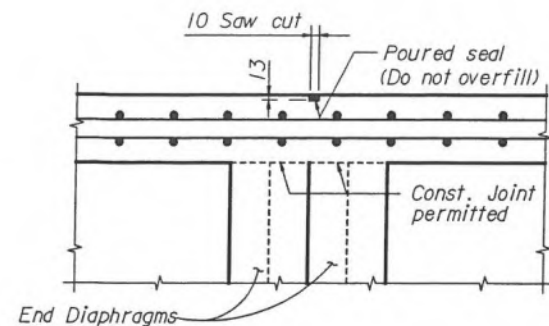
Sanchez
11/3/03

EXISTING BRIDGE

BRIDGE NO. 934711

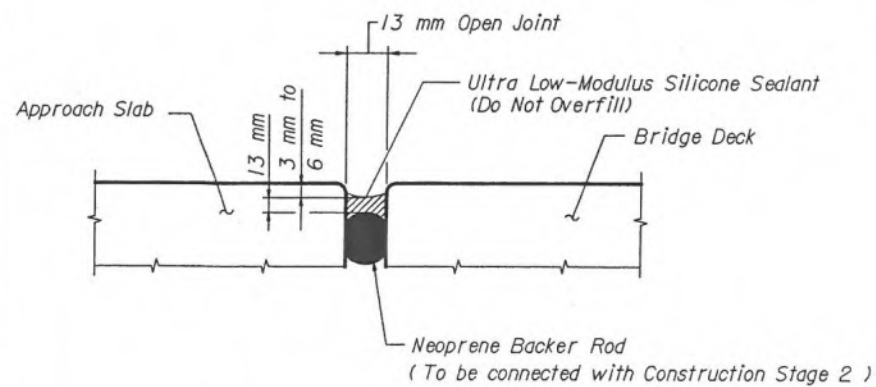
REVISIONS						Names		Dates		 REISWENGER, HOCH & ASSOCIATES, INC. CONSULTING ENGINEERS & PLANNERS 190 N.E. 163rd Street Suite 203 North Miami Beach, FL 33622 FBPR CERTIFICATE OF AUTH. NO. 00000263 MANUEL R. SANCHEZ, P.E. NO. 27510	FLORIDA DEPARTMENT OF TRANSPORTATION			SHEET TITLE		SHEET NO.
Date	By	Description	Date	By	Description	Drawn by	I.R.S.	10-02	ROAD NO.		COUNTY	FINANCIAL PROJECT ID	PROJECT NAME			
						Checked by	S.S.	11-02	S.R. 80		PALM BEACH	229498-1-52-01	EXISTING BRIDGE SUPPORT PLANS (FOR INFORMATION ONLY)			
						Designed by	I.R.S.	10-02								
						Checked by	M.R.S.	11-02								
						Approved by	M.R. SANCHEZ					BENOIST FARMS ROAD OVER C-51 CANAL	L-16			

PERMITS



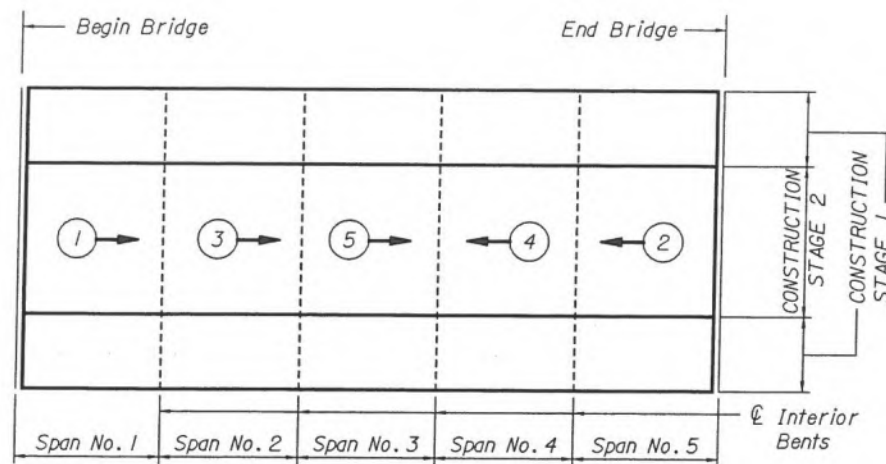
DETAIL "A"

NOTE: At the option of the Contractor DETAIL "A" may be used when slab pours are continuous over intermediate supports, provided that the Contractor submits a slab pouring sequence to the Engineer for approval. The cost of constructing this alternate at intermediate supports shall be at the Contractor's expense. The saw cut shall be made no later than 24 hours following concrete placement. The Contractor may use a tooled groove placed prior to the concrete obtaining initial set.



TYPICAL SECTION THRU SUPERSTRUCTURE JOINT
AT END BENTS

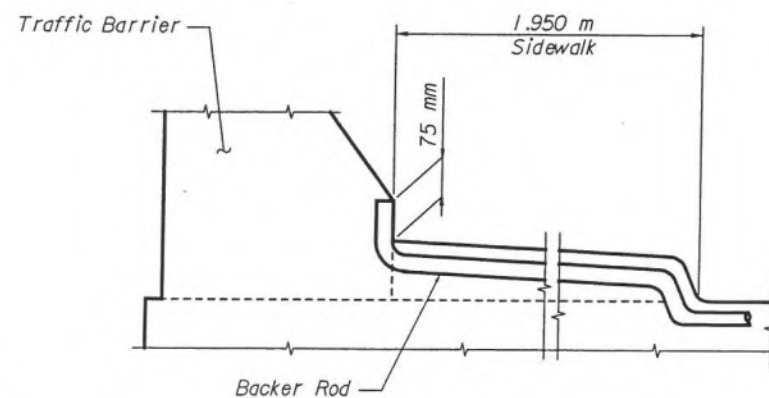
NOTE: Cost of all expansion joint materials (i.e. Silicone Sealant, Backer Rod, etc.) shall be included with the unit price of Class II Concrete Superstructure.



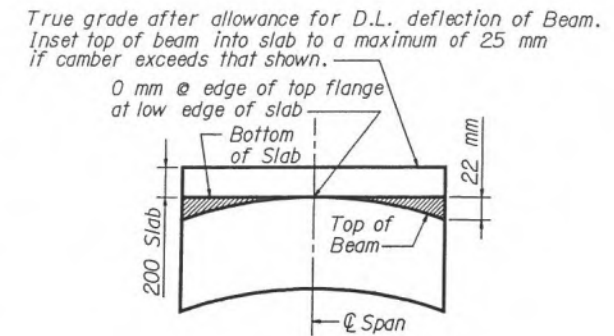
DECK SLAB POURING SEQUENCE

NOTE: Deck Slab will be placed as follows:

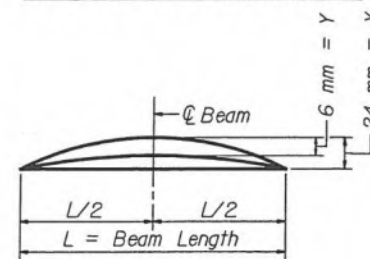
- 1) No unit shall be placed adjacent to a previous placed unit that is not a minimum of 48 hours old.
- 2) After pouring a Span, succeeding pour shall begin from the end away from and towards the previously poured Span.



TYPICAL SIDEWALK SECTION AT END BENTS



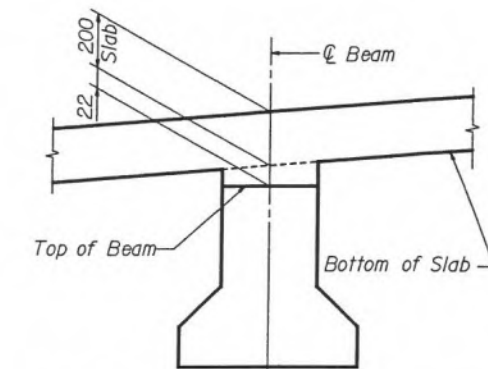
SKETCH SHOWING
BEAM AND SLAB RELATIONSHIP



X = Expected camber due to prestress and dead load of Beam.

Y = Expected deflection of the beam due to casting of the concrete deck.

BEAM DEFLECTION DIAGRAM




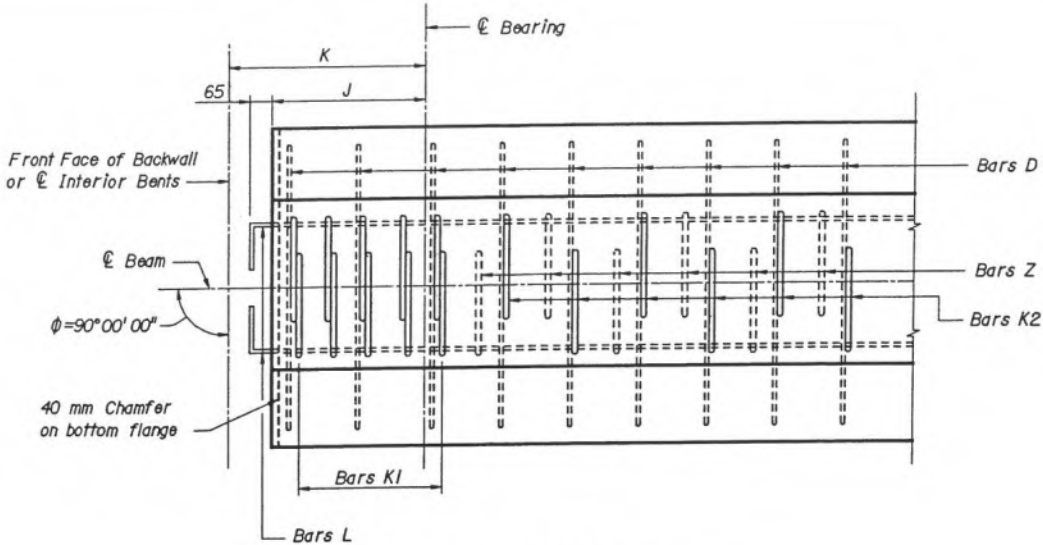
END DETAIL SHOWING BUILD-UP OVER BEAM

NOTE: Camber and Build-up shown are based on an age of beam concrete of 120 days.

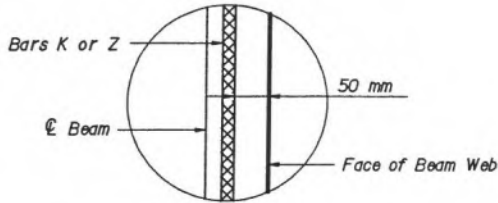
EXISTING BRIDGE

BRIDGE NO. 9347II

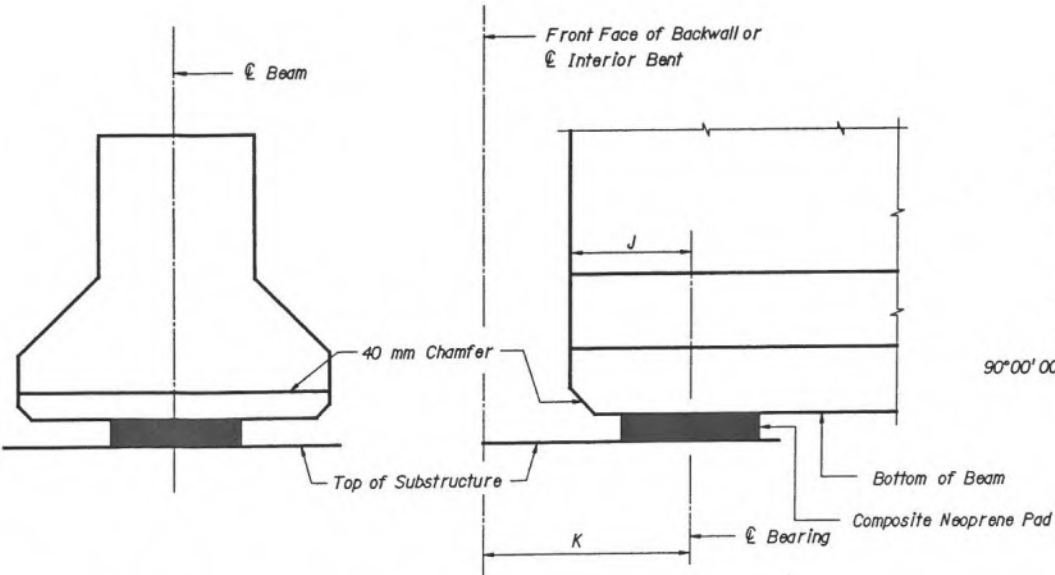
BRIDGE NO. 9547H														
REVISIONS						ENGINEER OF RECORD:		FLORIDA DEPARTMENT OF TRANSPORTATION		SHEET TITLE:				
Date	By	Description	Date	By	Description	Drawn by	S.C.	10-02	 BEISWEHER, HOCH & ASSOCIATES, INC. CONSULTING ENGINEERS & PLANNERS 180 N.E. 63rd Street, Suite 203 North Miami Beach, FL 33162 FBPR CERTIFICATE OF AUTH. NO. 00000263 MANUEL R. SANCHEZ, P.E. NO. 27510	ROAD NO.	COUNTY	FINANCIAL PROJECT ID	PROJECT NAME:	SHEET NO.
						Checked by	I.R.S.	11-02		S.R. 80	PALM BEACH	229498-1-52-01		
						Designed by	M.R.S.	10-02						
						Checked by	I.R.S.	11-02						
						Approved by	M.R. SANCHEZ							



CASE I
PLAN ENDS OF BEAMS

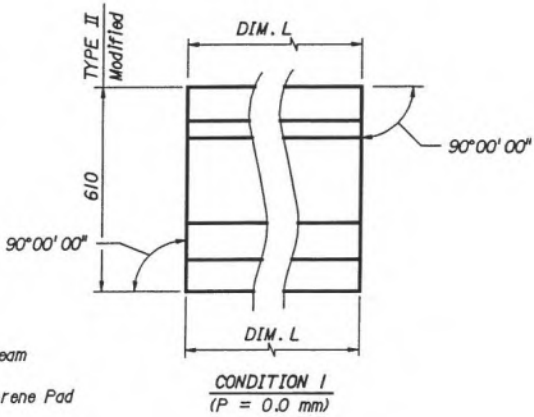


SECTION THRU BEAM WEB
(Showing Concrete Cover)



END ELEVATION
(Perpendicular to \bar{C} Beam)

SIDE ELEVATION
(Perpendicular to \bar{C} Bearing)



END ELEVATIONS OF BEAMS
(Showing Vertical Level of Beam End)

BEAM NOTES

MORTAR LEAKAGE: Any mortar leakage that occurs and stains resulting from leakage shall be removed so that beams have a uniform appearance.

STRANDS: At the option of the Contractor, other types, sizes and/or configurations of strands may be used in lieu of the stranding shown on these sheets. Calculations shall be submitted showing the substitution meets the following requirements:

1. The strands meet all the requirements of ASTM A416 for the grade of strands proposed.
2. The net compressive stress in the concrete due to prestressing acting alone, after all losses, is not less than that provided by the stranding shown on these sheets.
3. The ultimate strength of the structure with the proposed stranding is not less than the ultimate strength of the original design.
4. The proposed stranding complies in all respects with the Department's Structures Design Guidelines.

FINISH: The top surface of the beam shall be rough floated and then scrubbed transversely with a coarse wire brush to remove all laitance and to produce a roughened surface for bonding. All beams shall receive a Class 3 surface finish.

SUBMITTALS: The Specifications stipulate the conditions for which Shop Drawings are not required. If each and every condition cannot be met, then a formal Shop Drawing submittal is required. Supplemental reinforcing provided by the Contractor to facilitate fabrication of prestressed beams do not require Shop Drawings.

STRAND DETENSIONING: Strand detensioning shall be based upon the following priority, from first to last:

1. Top dormant strands (Bars N)
2. Fully bonded strands
3. Partially debonded (shielded) strands

FORMS AND PALLETS: All beams shall be cast on concrete based pallets and in metal forms.

HANDLING: In the handling of beams, they must be maintained in an upright position at all times and must be picked up from points located a maximum distance of 1.000 m from the ends of the beam.

STORAGE AND TRANSPORTATION: Beams shall be stored on adequate dunnage and supported during transit within 500 mm from ends of beam.

STRAND EXTENSION: All strands shall extend 65 mm beyond ends of beams.

CONCRETE: Refer to Table of Beam Variables on the individual beam sheets for the class of concrete, 28-day strength (f'_c) and cylinder strength at transfer of the tensioning load (f'_{ci}).

REINFORCING STEEL: All reinforcing steel shall be ASTM A615M-96a Grade 420.

BEARING PADS: Composite Neoprene Pads as designated in the plans shall be furnished and installed by the Contractor.

NOTES: Work this sheet with individual beam sheet, AASHTO Type II modified Prestressed Beams. See "TABLE OF BEAM VARIABLES" on individual beam sheet for angle θ 's and dimensions "J", "K" & "L".

All dimensions are in millimeters (mm), except as noted.

M.R. Sanchez
11/3/03

EXISTING BRIDGE

BRIDGE NO. 934711

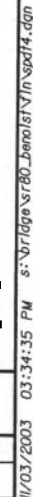
REVISIONS						ENGINEER OF RECORD:			FLORIDA DEPARTMENT OF TRANSPORTATION			SHEET TITLE:	
Date	By	Description	Date	By	Description	Drawn by	Names	Dates	ROAD NO.	COUNTY	FINANCIAL PROJECT ID	PROJECT NAME:	SHEET NO.
						Checked by	S.S.	10-02	S.R. 80	PALM BEACH	229498-1-52-01	EXISTING BRIDGE SUPPORT PLANS (FOR INFORMATION ONLY)	L-18
						Designed by	M.R.S.	10-02				BENOIST FARMS ROAD OVER C-51 CANAL	
						Checked by	S.S.	11-02					
						Approved by	M.R. SANCHEZ						

ENGINEER OF RECORD:

REISWENGER, HOCH & ASSOCIATES, INC.
CONSULTING ENGINEERS & PLANNERS

1190 N.E. 163rd Street Suite 203
North Miami Beach, FL 33162
FBPR CERTIFICATE OF AUTH. NO. 00000263
MANUEL R. SANCHEZ, P.E. NO. 27510

PER-186



PERMITS

LOCATION : SUPERSTRUCTURE STAGE NO. 1

NO. REQUIRED : 2

GROUP	SIZE	MARK	LENGTH	NO. BARS REQ'D	TYPE	STYLE			B	C	D	E	F	H	J	K	N	Ø
						NO.	A	G										
16	A1		6100	600	1				6100									
16	A3		2000	148	1				2000									
13	C1		54975	39	2				650	52375	12200	6175					4	
16	C2		7000	132	1				7000									
16	G1		1225	220	7				510	130	100	100						
19	M1		5925	10	17	1	200		5730									
16	M2		5475	30	1				5475									
19	M3		1600	20	1				1600									
16	M4		1800	60	1				1800									
13	U		625	60	1				625									

LOCATION : SUPERSTRUCTURE STAGE NO. 2

NO. REQUIRED : 1

GROUP	SIZE	MARK	LENGTH	NO. BARS REQ'D	TYPE	STYLE			B	C	D	E	F	H	J	K	N	Ø
						NO.	A	G										
16	A2		13350	600	1				13350									
13	C1		54975	119	2				650	52375	12200	6175					4	
16	C2		7000	360	1				7000									
13	C3		1775	350	1				1775									
13	C4		600	350	10				400	225								
13	C5		675	350	10				400	300								
16	G1		1225	700	7				510	130	100	100						
19	M5		13025	10	1				13025									
16	M6		13125	30	1				13125									
19	M7		2025	50	1				2025									
16	M8		2250	150	1				2250									
13	U		625	80	1				625									

NOTES

1) For standard bar bending details, see Sheet No. A-15.

2) Overall bar length shown is along the centerline of the bar taking into consideration the pin diameter of the bar.

Signature
11/3/03

EXISTING BRIDGE

BRIDGE NO. 934711

REVISIONS						Names		Dates		ENGINEER OF RECORD:			FLORIDA DEPARTMENT OF TRANSPORTATION			SHEET TITLE:	
Date	By	Description	Date	By	Description	Drawn by	I.R.S.	10-02	Checked by	M.R.S.	11-02	1190 N.E. 83rd Street Suite 203 North Miami Beach, FL 33622 FBPR CERTIFICATE OF AUTH. NO. 00000263 MANUEL R. SANCHEZ, P.E. NO. 27510	ROAD NO.	COUNTY	FINANCIAL PROJECT ID	PROJECT NAME:	SHEET NO.
						Designed by	MRS/IRS	10-02	Checked by	M.R.S.	11-02		S.R. 80	PALM BEACH	229498-1-52-01	BENOIST FARMS ROAD OVER C-51 CANAL	L-20
						Approved by	M.R. SANCHEZ										

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PERMITS

VERIFIED UTILITY LOCATE

[illegible]

S.U.E. NOTES:

1. OWNERSHIP IS BASED UPON OBSERVING VISIBLE ABOVE GROUND UTILITY FEATURES AND PROFESSIONAL JUDGEMENT. NO RECORDS RESEARCH WAS PERFORMED BY BOWMAN CONSULTING GROUP.

SURVEYOR'S NOTES:

1. HORIZONTAL INFORMATION IS RELATIVE TO THE STATE PLANE COORDINATES, FLORIDA EAST ZONE, NORTH AMERICAN DATUM (NAD) OF 1983/1990 ADJUSTMENT.
2. VERTICAL INFORMATION IS RELATIVE TO THE NORTH AMERICAN VERTICAL DATUM (NAVD) OF 1988.
3. PROJECT UNITS: U.S. SURVEY FEET
4. CONTROL AND BASELINE INFORMATION WAS PROVIDED BY HSO GROUP, INC.
5. COORDINATES FOR THE PROPOSED LIGHT POLES WERE PROVIDED BY SCALAR CONSULTING GROUP INC. PROFESSIONALS, LLC.
6. THIS SPECIFIC PURPOSE SURVEY IS TO DETERMINE THE HORIZONTAL AND VERTICAL LOCATION OF THE VACUUM TEST HOLES AS MARKED ON THE SURFACE BY THE SUBSURFACE ENGINEERING DEPARTMENT OF BOWMAN CONSULTING GROUP, THE SIGNING SURVEYOR IS CERTIFYING ONLY TO THE LOCATION OF THE TEST HOLES AS MARKED ON THE SURFACE.

LEGEND:

&	AND
B/L	BASELINE
BT	BURIED TELEPHONE
C/L	CENTERLINE
DBC	DIRECT BURIED CONDUIT
DIP	DUCTILE IRON PIPE
ELECTRO.	ELECTROMAGNETIC
FDOT	FLORIDA DEPARTMENT OF TRANSPORTATION
FM	FORCE MAIN
GPR	GROUND PENETRATING RADAR
HDPE	HIGH DENSITY POLYETHYLENE
LT.	LEFT
N/A	NOT APPLICABLE
PCONC	POURED CONCRETE
PSM	PROFESSIONAL SURVEYOR AND MAPPER
PVC	POLYVINYL CHLORIDE
RT.	RIGHT
S.U.E.	SUBSURFACE UTILITY ENGINEERING
S.R.	STATE ROAD
TH	TEST HOLE
UNK	UNKNOWN
Vvh	VERIFIED VERTICAL ELEVATION and HORIZONTAL LOCATION
W/	WITH

LIMITS: BENOIST FARMS RD AND SR 80 (SOUTHERN BOULEVARD)

SURVEYOR'S CERTIFICATION

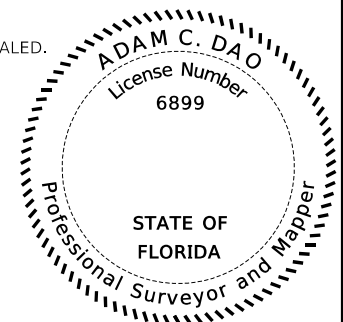
I HEREBY CERTIFY THIS SPECIFIC PURPOSE SURVEY WAS MADE FOR THE PURPOSE OF SURVEYING, REFERENCING, DESCRIBING AND MAPPING THE UTILITY VACUUM EXCAVATIONS, AS MARKED ON THE SURFACE, FOR THE TRANSPORTATION FACILITY DEPICTED HEREON AND THAT SAID SURVEY WAS DONE UNDER MY RESPONSIBLE CHARGE AND MEETS THE STANDARDS OF PRACTICE SET FORTH BY THE FLORIDA BOARD OF PROFESSIONAL SURVEYORS AND MAPPERS IN CHAPTER 5J-17 FLORIDA ADMINISTRATIVE CODE PURSUANT TO SECTION 472.027 FLORIDA STATUTES. THIS MAP CONSISTING OF SHEET UTV-1 IS A TRUE, ACCURATE AND COMPLETE DEPICTION OF THE RESULTS OF A FIELD SURVEY PERFORMED UNDER MY DIRECTION AND COMPLETED ON JUNE 16, 2020.


SURVEYOR: ADAM C. DAO PSM NUMBER: 6899

PRINTED COPIES OF THIS DOCUMENT ARE NOT CONSIDERED SIGNED AND SEALED.
THE SIGNATURE MUST BE VERIFIED ON THE ELECTRONIC DOCUMENTS.

THE ABOVE NAMED PROFESSIONAL SURVEYOR & MAPPER SHALL BE RESPONSIBLE FOR THE FOLLOWING SHEETS IN ACCORDANCE WITH RULE 5J-17.062, F.A.C.

INDEX OF SURVEY PLANS	
SHEET NUMBER	SHEET DESCRIPTION
UTV-1	VERIFIED UTILITY LOCATE



ADAM C. DAO, PSM SURVEYOR LICENSE NUMBER 6899 BOWMAN CONSULTING GROUP, LTD., INC. 301 SE OCEAN BLVD, SUITE 301 STUART, FLORIDA 34994 CERTIFICATE OF AUTHORIZATION LB8030		NO.	REVISION	BY	DATE	 <div>PALM BEACH COUNTY ENGINEERING AND PUBLIC WORKS ROADWAY PRODUCTION P.O. BOX 21229, WEST PALM BEACH, FLORIDA (561) 664-4150</div>	SCALE: 1"=1'	BENOIST FARMS ROAD	SHEET: OF: UTV-1
		10/16/2020	SUPPLEMENTAL NO. 4 ADDITIONAL LOCATION AT INTERSECTION				APPROVED: JDW DRAWN: DA CHECKED: SDW DATE: 1/28/2021		

PERMITS



FLORIDA DEPARTMENT OF Environmental Protection

Southeast District Office
3301 Gun Club Road, MSC 7210-1
West Palm Beach, Florida 33406
561-681-6600

Ron DeSantis
Governor

Jeanette Nuñez
Lt. Governor

Shawn Hamilton
Secretary

October 20, 2021

Palm Beach County Board of County Commissioners
c/o Morton L. Rose, P.E.
Division Director, Roadway Production
2300 North Jog Road
West Palm Beach, FL 33411
Sent via e-mail: MRose@pbcgov.org

File No. 50-0397010-001-SFG, Palm Beach County
File Name: Benoist Farms Road from SR 80 to Belvedere Road

Dear Mr. Rose:

On January 8, 2021, the Florida Department of Environmental Protection received your notice of intent to use a General Permit pursuant to Rule 62-331.217, of the Florida Administrative Code (F.A.C.), for the reconstruction and widening of the existing two-lane rural Benoist Farms Road, from Southern Boulevard to Belvedere Road. The project will span 0.948 miles and will result in 0.07 acres of permanent impacts to surface waters. Improvements include a new three-lane urban roadway section with new six-foot wide sidewalks, improved drainage infrastructure, and a new guardrail along the east side of the roadway adjacent to the Lake Worth Drainage District (LWDD) E-2 Canal (Section 32, Township 43 South, Range 42 East), in Palm Beach County, Florida (Latitude N 26°41'06.92", Longitude W -80°10'18.14").

Your intent to use a General Permit has been reviewed by Department staff for State 404 Program authorization. However, this letter does not relieve you from the responsibility of obtaining other federal, state, or local authorizations that may be required for the activity.

State 404 Program Review – Approved

Based on the forms, drawings, and documents submitted with your notice, it appears that the project meets the requirements for General Permit under Rule 62-331.217, F.A.C. Any activities performed under this permit are subject to general conditions required in Rule 62-331.201, F.A.C., the conditions of Rule 62-331.217, F.A.C. and the specific conditions listed below. Any deviations from these conditions may subject the permittee to enforcement action and possible penalties. Please read each section carefully.

Please be advised that the construction phase of the General Permit must be completed by December 22, 2025. State 404 Program permits cannot be extended or renewed.

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Specific Conditions

SPECIFIC CONDITIONS - PRIOR TO CONSTRUCTION

(1) Prior to initiation of any work authorized by this permit, all wetlands, surface waters, and storm drains, outside the specific limits of construction authorized by this permit shall be protected from erosion, siltation, sedimentation, and/or scouring, including the placement of staked erosion control devices around the project area and staging area(s) that are located outside of any authorized impact areas.

SPECIFIC CONDITIONS – CONSTRUCTION ACTIVITIES

(2) The permittee shall be responsible for ensuring erosion control devices/procedures are inspected and maintained daily during all phases of construction authorized by this permit until areas disturbed during construction are sufficiently stabilized to prevent erosion, siltation, and turbid discharges.

(3) This permit authorizes permanent impacts to the surface water fill area shown in the attached permit drawings. No other wetland or surface water areas are authorized to be impacted, which includes but is not limited to clearing with the use of heavy equipment, filling, or excavation.

SPECIFIC CONDITIONS – LISTED SPECIES

(4) This permit does not authorize the permittee to cause any adverse impact to or “take” of state listed species and other regulated species of fish and wildlife. Compliance with state laws regulating the take of fish and wildlife is the responsibility of the owner or applicant associated with this project. Please refer to Chapter 68A-27 of the Florida Administrative Code for definitions of “take” and a list of fish and wildlife species. If listed species are observed onsite, FWC staff are available to provide decision support information or assist in obtaining the appropriate FWC permits. Most marine endangered and threatened species are statutorily protected and a “take” permit cannot be issued. Requests for further information or review can be sent to FWCConservationPlanningServices@MyFWC.com.

Authority for review – Part IV of Chapter 373, Florida Statutes (F.S.), and Title 62, F.A.C.

Additional Information

Please retain this general permit. The activities may be inspected by authorized state personnel in the future to ensure compliance with appropriate statutes and administrative codes. If the activities are not in compliance, you may be subject to penalties under Chapter 373, F.S., and Chapter 18-14, F.A.C.

NOTICE OF RIGHTS

This action is final and effective on the date filed with the Clerk of the Department unless a petition for an administrative hearing is timely filed under Sections 120.569 and 120.57, F.S., before the deadline for filing a petition. On the filing of a timely and sufficient petition, this action will not be final and effective until further order of the Department. Because the administrative hearing process is designed to formulate final agency action, the subsequent order may modify or take a different position than this action.

Petition for Administrative Hearing

A person whose substantial interests are affected by the Department’s action may petition for an administrative proceeding (hearing) under Sections 120.569 and 120.57, F.S. Pursuant to Rules 28-106.201 and 28-106.301, F.A.C., a petition for an administrative hearing must contain the following information:

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- (a) The name and address of each agency affected and each agency's file or identification number, if known;
- (b) The name, address, any e-mail address, any facsimile number, and telephone number of the petitioner, if the petitioner is not represented by an attorney or a qualified representative; the name, address, and telephone number of the petitioner's representative, if any, which shall be the address for service purposes during the course of the proceeding; and an explanation of how the petitioner's substantial interests will be affected by the agency determination;
- (c) A statement of when and how the petitioner received notice of the agency decision;
- (d) A statement of all disputed issues of material fact. If there are none, the petition must so indicate;
- (e) A concise statement of the ultimate facts alleged, including the specific facts that the petitioner contends warrant reversal or modification of the agency's proposed action;
- (f) A statement of the specific rules or statutes that the petitioner contends require reversal or modification of the agency's proposed action, including an explanation of how the alleged facts relate to the specific rules or statutes; and
- (g) A statement of the relief sought by the petitioner, stating precisely the action that the petitioner wishes the agency to take with respect to the agency's proposed action.

The petition must be filed (received by the Clerk) in the Office of General Counsel of the Department at 3900 Commonwealth Boulevard, Mail Station 35, Tallahassee, Florida 32399-3000, or via electronic correspondence at Agency_Clerk@dep.state.fl.us. Also, a copy of the petition shall be mailed to the applicant at the address indicated above at the time of filing.

Time Period for Filing a Petition

In accordance with Rule 62-110.106(3), F.A.C., petitions for an administrative hearing by the applicant and persons entitled to written notice under Section 120.60(3), F.S., must be filed within 21 days of receipt of this written notice. Petitions filed by any persons other than the applicant, and other than those entitled to written notice under Section 120.60(3), F.S., must be filed within 21 days of publication of the notice or within 21 days of receipt of the written notice, whichever occurs first. You cannot justifiably rely on the finality of this decision unless notice of this decision and the right of substantially affected persons to challenge this decision has been duly published or otherwise provided to all persons substantially affected by the decision. While you are not required to publish notice of this action, you may elect to do so pursuant Rule 62- 110.106(10)(a).

The failure to file a petition within the appropriate time period shall constitute a waiver of that person's right to request an administrative determination (hearing) under Sections 120.569 and 120.57, F.S., or to intervene in this proceeding and participate as a party to it. Any subsequent intervention (in a proceeding initiated by another party) will be only at the discretion of the presiding officer upon the filing of a motion in compliance with Rule 28-106.205, F.A.C. If you do not publish notice of this action, this waiver will not apply to persons who have not received written notice of this action.

Extension of Time

Under Rule 62-110.106(4), F.A.C., a person whose substantial interests are affected by the

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Department's action may also request an extension of time to file a petition for an administrative hearing. The Department may, for good cause shown, grant the request for an extension of time. Requests for extension of time must be filed with the Office of General Counsel of the Department at 3900 Commonwealth Boulevard, Mail Station 35, Tallahassee, Florida 32399- 3000, or via electronic correspondence at Agency_Clerk@dep.state.fl.us, before the deadline for filing a petition for an administrative hearing. A timely request for extension of time shall toll the running of the time period for filing a petition until the request is acted upon.

Mediation

Mediation is not available in this proceeding.

FLAWAC Review

The applicant, or any party within the meaning of Section 373.114(1)(a) or 373.4275, F.S., may also seek appellate review of this order before the Land and Water Adjudicatory Commission under Section 373.114(1) or 373.4275, F.S. Requests for review before the Land and Water Adjudicatory Commission must be filed with the Secretary of the Commission and served on the Department within 20 days from the date when this order is filed with the Clerk of the Department.

Judicial Review

Once this decision becomes final, any party to this action has the right to seek judicial review pursuant to Section 120.68, F.S., by filing a Notice of Appeal pursuant to Florida Rules of Appellate Procedure 9.110 and 9.190 with the Clerk of the Department in the Office of General Counsel (Station #35, 3900 Commonwealth Boulevard, Tallahassee, Florida 32399-3000) and by filing a copy of the Notice of Appeal accompanied by the applicable filing fees with the appropriate district court of appeal. The notice must be filed within 30 days from the date this action is filed with the Clerk of the Department.

EXECUTION AND CLERKING

Executed in West Palm Beach, Florida.

STATE OF FLORIDA DEPARTMENT OF ENVIRONMENTAL PROTECTION



Norva Blandin, MSEM
Permitting Program Administrator
Southeast District

Enclosures: 62-331.217, F.A.C.
General Conditions for All General Permits, Ch. 62-331.201, F.A.C.
Project drawings, 103 pages
Certification of Compliance with State 404 Program General Permit, [form 62-331.200\(1\)](#)

CERTIFICATE OF SERVICE

The undersigned duly designated deputy clerk hereby certifies that this document and all attachments were sent on the filing date below to the following listed persons:

FDEP: Jeffrey Meyer, Norva Blandin, Jacquelyn DeAngelo
John (J.D.) Whitaker, Scalar Consulting Group, Inc., dwhitaker@scalarinc.net

PERMITS

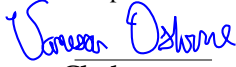
File Name: 50-0397010-001-SFG

File No: Benoist Farms Road from SR 80 to Belvedere Road

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FILING AND ACKNOWLEDGMENT

FILED, on this date, pursuant to Section 120.52, F. S., with the designated Department Clerk,
receipt of which is hereby acknowledged.



Clerk

10-20-2021

Date

PERMITS

62-331.217 General Permit for Linear Transportation Projects.

(1) This general permit authorizes the following activities:

(a) Activities required for crossings of state-assumed waters associated with the construction, expansion, modification, or improvement of linear transportation projects (e.g., roads, highways, railways, trails, airport runways, and taxiways) in state-assumed waters.

1. The activity cannot cause the loss of greater than 1/2-acre of state-assumed waters.

2. Any stream channel modification, including bank stabilization, is limited to the minimum necessary to construct or protect the linear transportation project; such modifications must be in the immediate vicinity of the project.

(b) Temporary structures, fills, and work, including the use of temporary mats, necessary to construct the linear transportation project.

1. Appropriate measures must be taken to maintain normal downstream flows and minimize flooding to the maximum extent practicable, when temporary structures, work, and fill, including cofferdams, are necessary for construction activities, access fills, or dewatering of construction sites.

2. Temporary fills must consist of materials, and be placed in a manner, that will not be eroded by expected high flows.

3. Temporary fills must be removed in their entirety and the affected areas returned to pre-construction elevations.

4. The areas affected by temporary fills must be revegetated.

(2) This general permit does not authorize:

(a) Non-linear features commonly associated with transportation projects, such as vehicle maintenance or storage buildings, parking lots, train stations, or aircraft hangars.

(b) Activities within the Belle Meade South area bounded by I-75 to the north, CR 951 to the west, Miller Canal to the east, and U.S. 41 to the south in Collier County.

(c) Activities within Golden Gate Estates, south of Alligator Alley in Collier County.

(d) Activities within Golden Gate Estates, that together with other activities exceed 0.5 acres of dredging or filling within Golden Gate Estates north of Alligator Alley in Collier County.

(3) The permittee must submit a notice of intent to use this general permit to the agency prior to commencing the activity if:

(a) The loss of state-assumed waters exceeds 1/10-acre.

(b) There is dredging or filling in a special aquatic site, including wetlands.

(c) The project is in the following rivers, creeks, and their tributaries.

1. Escambia River

2. Yellow River

3. Shoal River

4. Choctawhatchee River

5. Chipola River

6. Apalachicola River

7. Ochlockonee River

8. Santa Fe River

9. New River (Bradford and Union County line)

10. Econfinia Creek.

(4) For activities that require notice of intent to use this general permit, the notice must include any other general permit(s), or individual permit(s) used or intended to be used to authorize any part of the proposed project or any related activity, including other separate and distant crossings that require authorization but do not require submittal of a notice of intent.

(5) For linear transportation projects crossing a single waterbody more than one time at separate and distant locations, or multiple waterbodies at separate and distant locations, each crossing is considered a single and complete project for purposes of the general permit authorization.

(6) The Agency shall require mitigation, when necessary, to ensure that the authorized activity results in no more than minimal individual and cumulative adverse environmental effects.

Editor notes: The effective date of the rule will be the effective date of assumption, which is the date identified by EPA as published in the Federal Register §373.4146, F.S.

Rulemaking Authority 373.026(7), 373.043, 373.118(1), 373.4131, 373.414(9), 373.4145, 373.4146(2), 403.805(1) FS. Law Implemented 373.118, 373.129, 373.136, 373.413, 373.4131, 373.414, 373.4145, 373.4146, 373.416, 373.422, 373.423, 373.429 FS. History—New 12-22-20.

PERMITS

Conditions for General Permits – Rule 62-331.201, F.A.C.

(1) General permits shall be subject to the conditions in subsections (2) and (3), below, and the general conditions for all general permits in Rule 62-330.405, F.A.C., except subsections 62-330.405(7) and (10), F.A.C. The Agency may revise the general conditions in Rule 62-330.405, F.A.C. to include references to applicable rules under this Chapter, as necessary.

(2) When a project requires submittal of a notice of intent to use a general permit, the Agency shall impose specific conditions as necessary to assure that the activities will be conducted in compliance with this Chapter, and in a manner which minimizes adverse impacts upon the physical, chemical, and biological integrity of wetlands or other surface waters, such as mitigation, monitoring, reporting, or recordkeeping requirements and protection measures for listed species or historical resources.

(3) In addition, general permits under this Chapter are subject to the following conditions:

(a) Aquatic Life Movements. No activity may substantially disrupt the necessary life cycle movements of those species of aquatic life indigenous to the waterbody, including those species that normally migrate through the area, unless the activity's primary purpose is to impound water. All permanent and temporary crossings of waterbodies shall be suitably culverted, bridged, or otherwise designed and constructed to maintain low flows to sustain the movement of those aquatic species. If a bottomless culvert cannot be used, then the crossing shall be designed and constructed to minimize adverse effects to aquatic life movements.

(b) Spawning Areas. Activities in spawning areas during spawning seasons must be avoided to the maximum extent practicable. Activities that result in the physical destruction (e.g., through excavation, fill, or downstream smothering by substantial turbidity) of an important spawning area are not authorized.

(c) Migratory Bird Breeding Areas. Activities in state-assumed waters that serve as breeding areas for migratory birds must be avoided to the maximum extent practicable.

(d) Shellfish Beds. No activity may occur in areas of concentrated shellfish populations, unless the activity is directly related to a shellfish harvesting activity authorized by general permits in Rule 62-331.211 or 62-331.244, F.A.C., or is a shellfish seeding or habitat restoration activity authorized by the general permit in Rule 62-331.225, F.A.C.

(e) Suitable Material. No activity may use unsuitable material (e.g., trash, debris, car bodies, asphalt, etc.). Material used for construction or fill must be free from toxic pollutants in toxic amounts as listed in section 307 of the CWA, which is incorporated by reference in subparagraph 62-331.053(3)(a)3., F.A.C., or state law.

(f) Water Supply Intakes. No activity may occur within 1000 feet of a public water supply intake, except where the activity is for the repair or improvement of public water supply intake structures or adjacent bank stabilization.

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(g) Fills Within 100-year Floodplains. The activity shall comply with applicable FEMA-approved state or local floodplain management requirements.

(h) Single and Complete Project. The activity must be a single and complete project. The same general permit cannot be used more than once for the same single and complete project unless otherwise stated within the general permit. (See 404 Handbook, section 3.2.1).

(i) Wild and Scenic Rivers. No general permit activity may occur in a component of the National Wild and Scenic Rivers System, or in a river officially designated by Congress as a study river for possible inclusion in the System while the river is in an official study status, unless the appropriate federal agency with direct management responsibility for such river has determined in writing that the proposed activity will not adversely affect the Wild and Scenic River designation or study status.

(j) Tribal Rights. No general permit activity may cause more than minimal adverse effects on tribal rights (including treaty rights, settlement rights, or rights reserved under state or federal law), protected tribal resources (including cultural or burial resources off reservation), tribal waters, or to tribal lands.

(k) Listed species. No activity is authorized under any general permit which is likely to directly or indirectly jeopardize the continued existence of an endangered or threatened species or a species proposed for such designation, or which will directly or indirectly destroy or adversely modify the critical habitat of such species. No activity is authorized under any general permit which may affect a listed species or critical habitat, unless the Agency has consulted with, or been provided technical assistance by the Florida Fish & Wildlife Conservation Commission, the U.S. Fish & Wildlife Service, and the National Marine Fisheries Service under their respective authorities and appropriate measures to address the effects of the proposed activity have been implemented or are required as a specific condition to the general permit.

(l) Migratory Birds and Bald and Golden Eagles. The permittee is responsible for ensuring their action complies with the Migratory Bird Treaty Act, 16 U.S.C. §§ 703 – 712 (2018), incorporated by reference herein (<https://www.flrules.org/Gateway/reference.asp?No=Ref-12068>), and the Bald and Golden Eagle Protection Act, 16 U.S.C. §§ 668 – 668(d) (2018), incorporated by reference herein (<https://www.flrules.org/Gateway/reference.asp?No=Ref-12069>). The permittee is responsible for contacting the appropriate local office of the U.S. Fish and Wildlife Service to determine applicable measures to reduce impacts to migratory birds or eagles, including whether incidental take permits are necessary and available under the Migratory Bird Treaty Act or Bald and Golden Eagle Protection Act for a particular activity.

(m) Historic Properties. In cases where the Agency determines, based on information from SHPO, that the activity may have the potential to cause effects to properties listed, or eligible for listing, in the National Register of Historic Places, the activity is not authorized until a determination of “no effect” or “no adverse effect” is provided by SHPO.

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(n) Manatees. In waters that are accessible to manatees, the permittee shall follow the “Standard Manatee Conditions for In-Water Work (2011)”, incorporated by reference herein (<https://www.flrules.org/Gateway/reference.asp?No=Ref-12070>).

(o) Sea turtles, smalltooth sawfish, Gulf sturgeon, or shortnose sturgeon. In waters that are accessible to these species, the permittee shall follow the “Sea Turtle and Smalltooth Sawfish Construction Conditions” (March 23, 2006), incorporated by reference herein (<https://www.flrules.org/Gateway/reference.asp?No=Ref-12071>).

(p) Use of Multiple General Permits. The use of more than one general permit under this Chapter for a single and complete project is prohibited, except when specified within a specific general permit, or when the acreage loss of state-assumed waters authorized by the general permits does not exceed the acreage limit of the general permit with the highest specified acreage limit.

(q) Transfer of General Permit Verifications. If the permittee sells the property associated with the general permit verification, the permittee shall transfer the general permit verification to the new owner by submitting a completed Form 62-331.100(1) – “Transfer of State 404 Program General Permit Verification” (effective date), incorporated by reference in subsection 62-331.100(2), F.A.C., within 30 days of the sale, to the Agency that processed the original notice.

(r) Compliance Certification. Each permittee who receives a general permit verification letter under this Chapter must submit a completed Form 62-331.200(1) – “Certification of Compliance with a State 404 Program General Permit” (effective date), incorporated by reference in subsection 62-331.200(4), F.A.C., within 30 days of completion of the authorized activity, or the implementation of any required compensatory mitigation, whichever is later.

(s) Activities Affecting Structures or Work Built by the United States. If an activity also requires permission from the Corps pursuant to 33 U.S.C. § 408 because it will alter or temporarily or permanently occupy or use a Corps federally authorized Civil Works project, the prospective permittee is responsible for obtaining such permission separately from the Corps prior to commencing activities authorized by the general permit.

(t) If during the ground disturbing activities and construction work within the permit area, there are archaeological or cultural materials encountered which were not the subject of a previous cultural resources assessment survey or to which such impacts were not anticipated, including but not limited to pottery, modified shell, flora, fauna, human remains, ceramics, stone tools or metal implements, dugout canoes, evidence of structures or any other physical remains that could be associated with Native American cultures or early colonial or American settlement; the Permittee shall immediately stop all work and ground-disturbing activities within a 100-meter diameter of the discovery and notify the Agency within the same business day. The Agency shall then notify the State Historic Preservation Officer (SHPO) and the appropriate Tribal Historic Preservation Officer(s) (THPO(s)) or tribe when the interested tribe does not have a THPO, to assess the significance of the discovery and devise appropriate actions.

(u) Additional cultural resources assessments may be required of the permit area in the case of unanticipated discoveries or effects to historic properties as referenced in accordance with

PERMITS

condition (t), above, and if deemed necessary by the SHPO, or THPO(s), Tribes, or Agency. Based on the circumstances of the discovery, equity to all parties, and considerations of the public interest, the Agency may modify, suspend, or revoke the permit in accordance with Rule 62-331.080, F.A.C. Such activity shall not resume without written authorization from the SHPO and THPO(s), or tribe when the interested tribe does not have a THPO, concerning potential effects to cultural resources or historic properties for finds under their jurisdiction, and from the Agency.

(v) In the event that unmarked human remains are identified, they shall be treated in accordance with Section 872.05, F.S. All work and ground-disturbing activities within a 100-meter diameter of the unmarked human remains shall immediately cease and the Permittee shall immediately notify the medical examiner, Agency, and State Archaeologist within the same business day. The Agency shall then notify the appropriate SHPO and THPO(s) and appropriate tribes and other appropriate consulting parties. Based on the circumstances of the discovery, equity to all parties, and considerations of the public interest, the Agency may modify, suspend, or revoke the permit in accordance with Rule 62-331.080, F.A.C. Such activity shall not resume without written authorization from the medical examiner, State Archaeologist, and from the Agency. Additionally, if the unmarked remains were identified on federal lands, or lands where the Archaeological Resources Protection Act, 16 U.S.C. §§ 470aa – 470mm (2018), incorporated by reference herein (<https://www.flrules.org/Gateway/reference.asp?No=Ref-12072>), or the Native American Graves Protection Repatriation 25 U.S.C. §§ 3001-3013 (2018), incorporated by reference herein (<https://www.flrules.org/Gateway/reference.asp?No=Ref-12073>), applies, such activity shall not resume without written authorization from the SHPO, the appropriate THPO(s), and the federal land manager.

(w) Noncompliance. The permittee shall timely notify the Agency of any expected or known actual noncompliance.

(x) Inspection and entry. The permittee shall allow the Agency, upon presentation of proper identification, at reasonable times to:

1. Enter upon the permittee's premises where a regulated activity is located or where records must be kept under the conditions of the permit,
2. Have access to and copy any records that must be kept under the conditions of the permit,
3. Inspect operations regulated or required under the permit, and
4. Sample or monitor, for the purposes of assuring permit compliance or as otherwise authorized by the Act, any substances or parameters at any location.

(y) The permittee shall comply with all conditions of the permit, even if that requires halting or reducing the permitted activity to maintain compliance. Any permit violation constitutes a violation of Part IV of Chapter 373, F.S., and this Chapter, as well as a violation of the CWA.

(z) The permittee shall take all reasonable steps to prevent any unauthorized dredging or filling in violation of this permit.

(aa) Upon Agency request, the permittee shall provide information necessary to determine compliance status, or whether cause exists for permit modification, revocation, or termination.

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Rulemaking Authority 373.026(7), 373.043, 373.118(1), 373.4131, 373.414(9), 373.4145, 373.4146(2), 403.805(1) FS. Law Implemented 373.118, 373.129, 373.136, 373.413, 373.4131, 373.414, 373.4145, 373.4146, 373.416, 373.422, 373.423, 373.429 FS. History – New 12.22.2020.

62-330.405 General Conditions for All General Permits.

The following general permit conditions are binding upon the permittee and are enforceable under chapter 373, F.S. These conditions do not apply to the general permit for stormwater management systems under section 403.814(12), F.S

(1) The general permit is valid only for the specific activity indicated. Any deviation from the specified activity and the conditions for undertaking that activity shall constitute a violation of the permit and may subject the permittee to enforcement action and revocation of the permit under chapter 373, F.S

(2) The general permit does not eliminate the necessity to obtain any required federal, state, local and special district authorizations prior to the start of any construction, alteration, operation, maintenance, removal or abandonment authorized by this permit; and it does not authorize any violation of any other applicable federal, state, local, or special district laws (including, but not limited to, those governing the “take” of listed species).

(3) The general permit does not convey to the permittee or create in the permittee any property right, or any interest in real property, nor does it authorize any entrance upon or activities on property which is not owned or controlled by the permittee, or convey any rights or privileges other than those specified in the general permit.

(4) The general permit does not relieve the permittee from liability and penalties when the permitted activity causes harm or injury to: human health or welfare; animal, plant or aquatic life; or property. It does not allow the permittee to cause pollution that violates state water quality standards.

(5) Section 253.77, F.S., provides that a person may not commence any excavation, construction, or other activity involving the use of state-owned or other lands of the state, the title to which is vested in the Board of Trustees of the Internal Improvement Trust Fund without obtaining the required consent, lease, easement, or other form of authorization authorizing the proposed use. Therefore, the permittee is responsible for obtaining any necessary authorizations from the Board of Trustees prior to commencing activity on state-owned lands.

(6) The authorization to conduct activities under a general permit may be modified, suspended or revoked in accordance with chapter 120, F.S., and section 373.429, F.S.

(7) Not applicable.

(8) Upon reasonable notice to the permittee, Agency staff with proper identification shall have permission to enter, inspect, sample and test the permitted system to ensure conformity with the plans and specifications approved by the general permit.

(9) The permittee shall maintain any permitted project or activity in accordance with the plans

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submitted to the Agency and authorized in the general permit.

(10) Not applicable.

(11) Activities shall be conducted in a manner that does not cause or contribute to violations of state water quality standards. Performance-based erosion and sediment control best management practices shall be implemented and maintained immediately prior to, during, and after construction as needed to stabilize all disturbed areas, including other measures specified in the permit to prevent adverse impacts to the water resources and adjacent lands. Erosion and sediment control measures shall be installed and maintained in accordance with the *State of Florida Erosion and Sediment Control Designer and Reviewer Manual* (Florida Department of Environmental Protection and Florida Department of Transportation, June 2007), available at <https://www.flrules.org/Gateway/reference.asp?No=Ref-04227>, and the *Florida Stormwater Erosion and Sedimentation Control Inspector's Manual* (Florida Department of Environmental Protection, Nonpoint Source Management Section, Tallahassee, Florida, July 2008), available at http://publicfiles.dep.state.fl.us/DEAR/Stormwater_Training_Docs/erosion-inspectors-manual.pdf.

(12) Unless otherwise specified in the general permit, temporary vehicular access within wetlands during construction shall be performed using vehicles generating minimum ground pressure to minimize rutting and other environmental impacts. Within forested wetlands, the permittee shall choose alignments that minimize the destruction of mature wetland trees to the greatest extent practicable. When needed to prevent rutting or soil compaction, access vehicles shall be operated on wooden, composite, metal, or other non-earthen construction mats. In all cases, access in wetlands shall comply with the following:

(a) Access within forested wetlands shall not include the cutting or clearing of any native wetland tree having a diameter four inches or greater at breast height;

(b) The maximum width of the construction access area shall be limited to 15 feet;

(c) All mats shall be removed as soon as practicable after equipment has completed passage through, or work has been completed, at any location along the alignment of the project, but in no case longer than seven days after equipment has completed work or passage through that location; and

(d) Areas disturbed for access shall be restored to natural grades immediately after the maintenance or repair is completed.

(13) Barges or other work vessels used to conduct in-water activities shall be operated in a manner that prevents unauthorized dredging, water quality violations, and damage to submerged aquatic communities.

(14) The construction, alteration, or use of the authorized project shall not adversely impede navigation or create a navigational hazard in the water body.

PERMITS

(15) Except where specifically authorized in the general permit, activities must not:

(a) Impound or obstruct existing water flow, cause adverse impacts to existing surface water storage and conveyance capabilities, or otherwise cause adverse water quantity or flooding impacts to receiving water and adjacent lands; or

(b) Cause an adverse impact to the maintenance of surface or ground water levels or surface water flows established pursuant to section 373.042, F.S., or a Works of the District established pursuant to section 373.086, F.S.

(16) If prehistoric or historic artifacts, such as pottery or ceramics, projectile points, stone tools, dugout canoes, metal implements, historic building materials, or any other physical remains that could be associated with Native American, early European, or American settlement are encountered at any time within the project site area, the permitted project shall cease all activities involving subsurface disturbance in the vicinity of the discovery. The permittee or other designee shall contact the Florida Department of State, Division of Historical Resources, Compliance Review Section (DHR), at (850)245-6333, as well as the appropriate permitting agency office. Project activities shall not resume without verbal or written authorization from the Division of Historical Resources. If unmarked human remains are encountered, all work shall stop immediately and the proper authorities notified in accordance with section 872.05, F.S.

(17) The activity must be capable, based on generally accepted engineering and scientific principles, of being performed and of functioning as proposed, and must comply with any applicable District special basin and geographic area criteria.

(18) The permittee shall comply with the following when performing work within waters accessible to federally- or state-listed aquatic species, such as manatees, marine turtles, smalltooth sawfish, and Gulf sturgeon:

(a) All vessels associated with the project shall operate at "Idle Speed/No Wake" at all times while in the work area and where the draft of the vessels provides less than a four-foot clearance from the bottom. All vessels will follow routes of deep water whenever possible.

(b) All deployed siltation or turbidity barriers shall be properly secured, monitored, and maintained to prevent entanglement or entrapment of listed species.

(c) All in-water activities, including vessel operation, must be shut down if a listed species comes within 50 feet of the work area. Activities shall not resume until the animal(s) has moved beyond a 50-foot radius of the in-water work, or until 30 minutes elapses since the last sighting within 50 feet. Animals must not be herded away or harassed into leaving. All onsite project personnel are responsible for observing water-related activities for the presence of listed species.

(d) Any listed species that is killed or injured by work associated with activities performed shall be reported immediately to the Florida Fish and Wildlife Conservation Commission (FWC) Hotline at 1(888)404-3922 and ImperiledSpecies@myFWC.com.

PERMITS

(e) Whenever there is a spill or frac-out of drilling fluid into waters accessible to the above species during a directional drilling operation, the FWC shall be notified at ImperiledSpecies@myfwc.com with details of the event within 24 hours following detection of the spill or frac-out.

(19) The permittee shall hold and save the Agency harmless from any and all damages, claims, or liabilities which may arise by reason of the construction, alteration, operation, maintenance, removal, abandonment or use of any activity authorized by the general permit.

(20) The permittee shall immediately notify the Agency in writing of any submitted information that is discovered to be inaccurate.

Rulemaking Authority 373.026(7), 373.043, 373.118(1), 373.406(5), 373.4131, 373.414(9), 373.4145, 373.418, 403.805(1) FS. Law Implemented 373.044, 373.118(1), 373.129, 373.136, 373.406(5), 373.413, 373.4131, 373.414(9), 373.4145, 373.416, 373.422, 373.423, 373.429, 403.814(1) FS. History—New 10-3-95, Amended 10-1-07, Formerly 62-341.215, Amended 10-1-13, 6-1-18.

COMPONENTS OF CONTRACT PLANS

ROADWAY PLANS
SIGNING AND PAVEMENT MARKING PLANS (FOR INFORMATION ONLY)
SIGNALIZATION PLANS (FOR INFORMATION ONLY)

COUNTY OF PALM BEACH
STATE OF FLORIDA

BOARD OF COUNTY COMMISSIONERS
PROJECT NO. 2015509

BENOIST FARMS ROAD - SR 80 (SOUTHERN BOULEVARD) TO BELVEDERE ROAD

HAL R. VALECHE
DISTRICT 1

INDEX OF
ROADWAY PLANS

SHEET NO. SHEET DESCRIPTION

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4	EXISTING DRAINAGE STRUCTURE DATA
5-7	TYPICAL SECTIONS
8	FPL POLE DETAIL
9	SUMMARY OF PAY ITEMS
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97	ROADWAY SOIL SURVEY
CTL-1 - CTL-2	PROJECT NETWORK CONTROL
CTL-3 - CTL-6	REFERENCE POINTS

GREGG K. WEISS
DISTRICT 2

ROBERT S. WEINROTH
DISTRICT 4

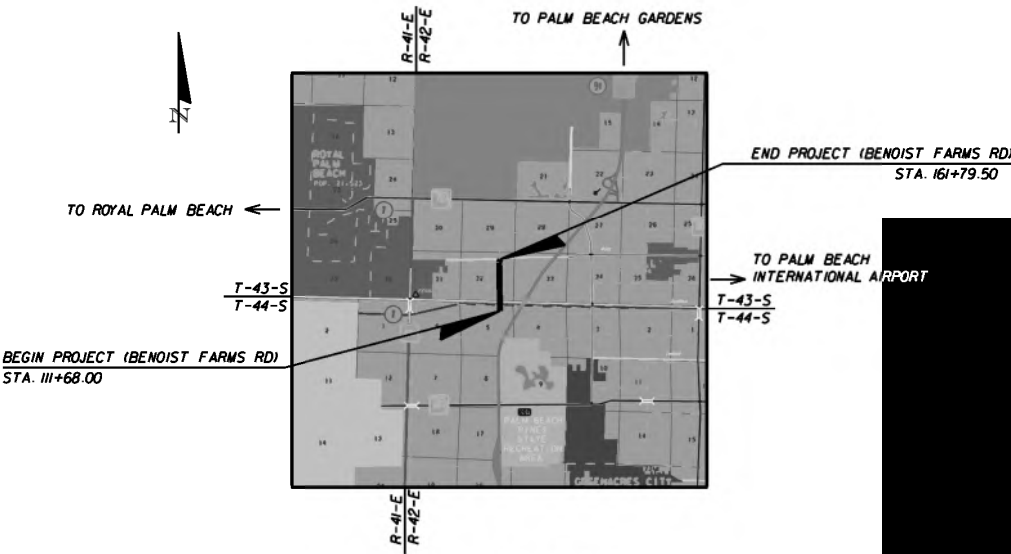
MELISSA MCKINLAY
DISTRICT 6



DAVE KERNER
DISTRICT 3

MARY LOU BERGER
DISTRICT 5

MACK BERNARD
DISTRICT 7



LOCATION MAP
NTS

LENGTH OF PROJECT		
	LIN. FT.	MILES
ROADWAY	5,005	0.948
BRIDGES	0	0
NET LENGTH OF PROJ.	5,005	0.948
EXCEPTIONS	0	0
GROSS LENGTH OF PROJ.	5,005	0.948

GOVERNING STANDARDS AND SPECIFICATIONS:

THESE PLANS HAVE BEEN PREPARED IN ACCORDANCE WITH AND GOVERNED BY THE FLORIDA DEPARTMENT OF TRANSPORTATION STANDARD PLANS FOR ROAD & BRIDGE CONSTRUCTION DATED JULY, 2019, AND SUPPLEMENTS THERETO, THE LATEST FLORIDA DEPARTMENT OF TRANSPORTATION STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION, SUPPLEMENTS THERETO, AND SPECIAL PROVISIONS AS NOTED IN THE CONTRACT SPECIFICATIONS FOR THIS PROJECT.

GOVERNING SPECIFICATIONS ARE CONTAINED IN THE CONTRACT DOCUMENTS OF THIS PROJECT.

USACE PERMIT SUBMITTAL

Permit Number

50-0397010-001-SFG

Southeast District

THIS PROJECT IS DESIGNED TO
NAVD, 1988 DATUM

PLANS PREPARED BY:

SCALAR CONSULTING GROUP INC.
5713 CORPORATE WAY, SUITE 200
WEST PALM BEACH, FL 33407
TEL. 561.429.5065
JOHN D. WHITAKER, P.E.
P.E. NO.: 68599
VENDOR NO. 451909667

ATTENTION IS DIRECTED TO THE FACT THAT
THESE PLANS MAY HAVE BEEN CHANGED IN
SIZE BY REPRODUCTION, THIS MUST BE
CONSIDERED WHEN OBTAINING SCALED DATA.

I HEREBY CERTIFY THAT THE ATTACHED PLANS AND DESIGNS ARE IN
SUBSTANTIAL COMPLIANCE WITH THE DESIGN STANDARDS AND
CRITERIA IN EFFECT ON THIS DATE FOR PALM BEACH COUNTY AND
THE STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION.

DATE

PROFESSIONAL ENGINEER
JOHN D. WHITAKER, P.E. NO. 68599

PALM BEACH COUNTY
ENGINEERING AND PUBLIC WORKS
ROADWAY PRODUCTION
P.O. BOX 21229, WEST PALM BEACH, FLORIDA
(561) 684-4150



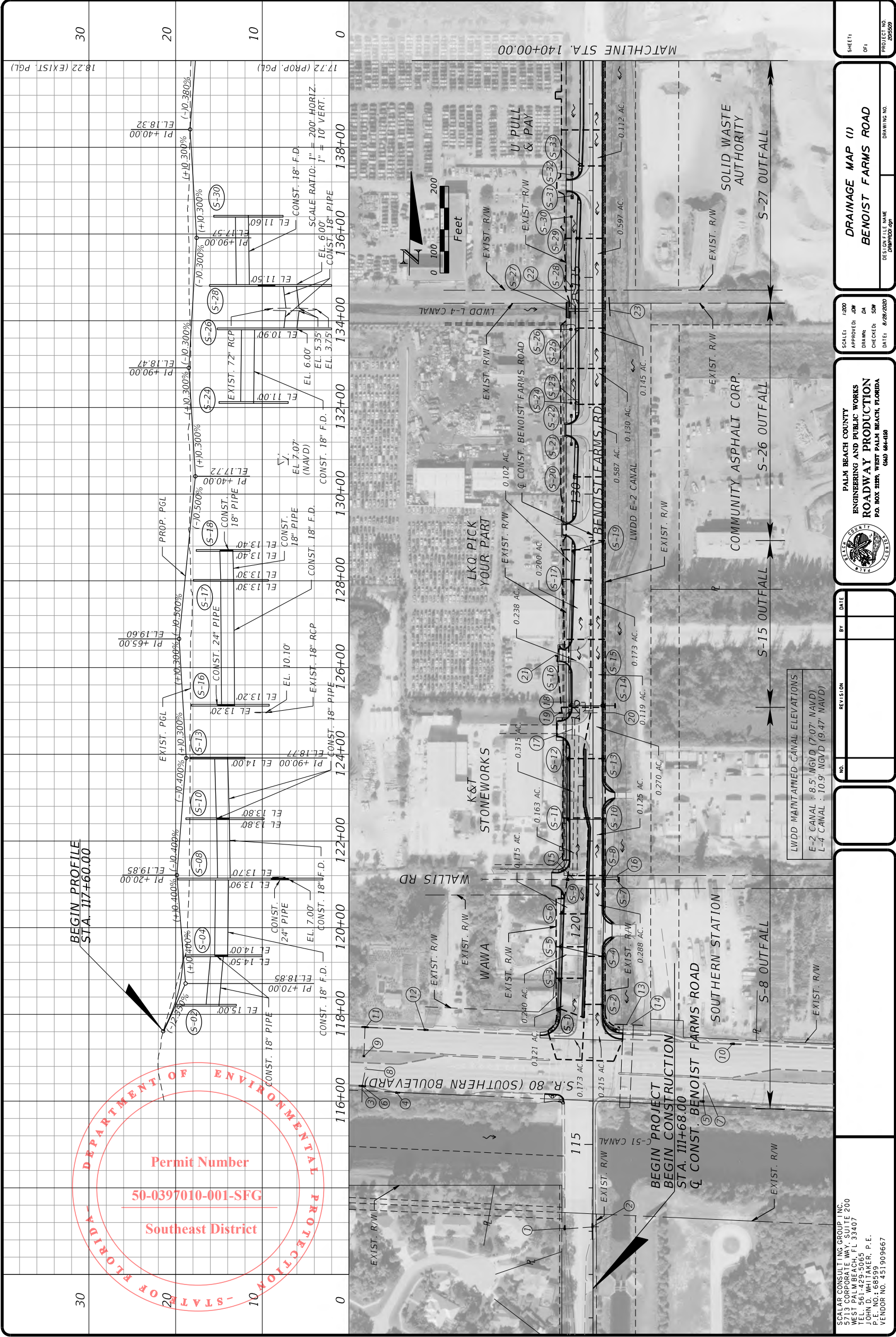
SCALE: NTS	DATE: 9/1/2020
APPROVED: JOW	FIELD BOOK NO.
DRAWN: DM	
CHECKED: SDW	

PROJECT: BENOIST FARMS ROAD
DRAWING NO.
DESIGN FILE NAME: 451909667

SHEET 1

OF 1

PROJECT NO. 2015509



SCALE: 1/200
APPROVED: JMW
DRAWN: DA
CHECKED: SWP
DATE: 8/28/2020

DESIGN FILE NAME: 20160901.dwg

DRAWING NO.

PROJECT NO. 202002

SHEET: 01

FLORIDA DEPARTMENT OF ENVIRONMENTAL PROTECTION

Permit Number

50-0397010-001-SFG

Southeast District

NO.

REVISION

BY

DATE

SEALAR CONSULTING GROUP, INC.
5511 CORPORATE WALK, SUITE 200
WEST PALM BEACH, FL 33407
TEL: 561-429-5065
P.E. NO.: 68599
P.E. JOHN D. WHITAKER, P.E.
VENDOR NO. 451909667

PALM BEACH COUNTY
ENGINEERING AND PUBLIC WORKS
ROADWAY PRODUCTION
P.O. BOX 3329, WEST PALM BEACH, FLORIDA
(561) 864-038

FLORIDA DEPARTMENT OF ENVIRONMENTAL PROTECTION

Permit Number

50-0397010-001-SFG

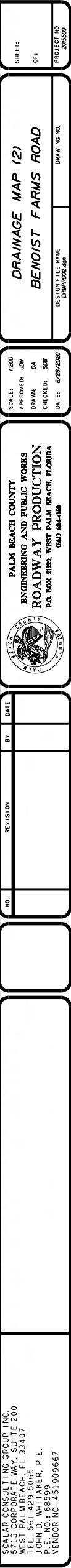
Southeast District

DRAINAGE MAP (1)

BENOIST FARMS ROAD

PER-204

PER-205



PERMITS

1

CATCH BASIN
RIM EL. = 20.08'
INV. E. EL. = 16.43' (18" RCP)
(TO REMAIN)

2

CATCH BASIN
RIM EL. = 20.18'
INV. S. EL. = 12.63' (18" CMP)
INV. W. EL. = 16.38' (18" RCP)
INV. E. EL. = UNKNOWN (BOX ENLARGES)
(TO REMAIN)

3

STORM MH
RIM EL. = 20.06'
INV. N. EL. = 13.21' (18"x12" RCP)
INV. S. EL. = 14.71' (18"x12" RCP)
OTHER INV. INACCESSIBLE,
FULL W/ DIRT
(TO REMAIN)

4

CATCH BASIN
RIM EL. = 19.28'
INV. W. EL. = 13.38' (18" RCP)
(TO REMAIN)

5

CATCH BASIN
RIM EL. = 19.92'
INV. N. EL. = 12.87' (18" RCP)
(TO REMAIN)

6

CATCH BASIN
RIM EL. = 20.06'
INV. N. EL. = 13.86' (18"x12" CMP)
INV. S. EL. = 13.91' (18"x12" CMP)
(TO REMAIN)

7

STORM MH
RIM EL. = 20.96'
INVERTS INACCESSIBLE
(IN TRAFFIC LANES)
(TO REMAIN)

8

STORM MH
RIM EL. = 20.45'
INVERTS INACCESSIBLE
(IN TRAFFIC LANES)
(TO REMAIN)

9

CATCH BASIN
RIM EL. = 20.50'
INV. N. EL. = 15.20' (18" RCP)
(TO REMAIN)

10

CATCH BASIN
RIM EL. = 19.70'
INV. E. EL. = 9.68' (36" CMP)
(TO REMAIN)

11

CATCH BASIN
RIM EL. = 19.28'
INVERTS INACCESSIBLE
FULL OF DEBRIS
18" PIPE (ASSUMED)
(TO REMAIN)

12

CATCH BASIN
RIM EL. = 19.65'
INV. W. EL. = 15.20' (18" RCP)
(TO REMAIN)

13

BOX CULVERT
INV. EL. = 6.70' (96" CMP)
(TO REMAIN)

14

BOX CULVERT
INV. EL. = 2.55' (96" CMP)
(TO REMAIN)

15

STORM MH
RIM EL. = 18.50'
INV. E. EL. = 8.05' (18" RCP)
INV. W. EL. = 8.15' (18" RCP)
(TO BE REMOVED)

16

OUTFALL
INV. EL. = 6.93' (18" RCP)
(TO BE REMOVED)

17

18" RCP
INV. N. EL. = 15.85'
INV. S. EL. = 15.69'
(TO REMAIN)

18

OUTFALL
INV. EL. = 12.92' (15" CMP)
(TO REMAIN)

19

CATCH BASIN
(CONTROL STRUCTURE)
RIM EL. = 18.54'
TOP OF WEIR = 14.83
INV. E. EL. = 12.53' (18" RCP)
INV. W. EL. = 13.04' (15" CMP)
(TO REMAIN)

20

OUTFALL
INV. EL. = 8.48' (18" RCP)
(TO REMAIN)

21

CATCH BASIN
RIM EL. = 16.65'
(TO REMAIN)

22

72" RCP (HEADWALL)
INV. EL. = 3.13'
(TO BE REMOVED)

23

72" RCP (HEADWALL)
INV. EL. = 3.91'
(TO REMAIN)

24

12" CMP
INV. E. EL. = 16.37'
INV. W. EL. = 18.02'
(TO REMAIN)

25

CATCH BASIN
RIM EL. = 15.70'
INV. N. EL. = 5.40' (18" CMP)
(TO REMAIN)

26

CATCH BASIN
RIM EL. = 15.75'
INV. N. EL. = 5.40' (18" CMP)
(TO REMAIN)

27

CATCH BASIN
(CONTROL STRUCTURE)
RIM EL. = 17.00'
TOP OF WEIR = 13.00
BLEEDER EL. = 9.00
(6" TRIANGLE)
INV. E. EL. = 5.40 (24" RCP)
INV. S. EL. = 5.40 (18" CMP)
(TO REMAIN)

28

OUTFALL
INV. W. EL. = 4.63' (24" RCP)
(TO REMAIN)

29

CATCH BASIN
RIM EL. = 16.80'
INV. E. EL. = 10.02' (12" CMP)
INV. W. EL. = 9.98' (12" CMP)
(TO REMAIN)

30

OUTFALL
INV. EL. = 9.36' (12" CMP)
(TO REMAIN)

31

PIPE END
INV. EL. = 8.74' (30" CMP)
(TO REMAIN)

32

OUTFALL
INV. W. EL. = 7.56' (30" CMP)
(TO REMAIN)

33

CATCH BASIN
(CONTROL STRUCTURE)
RIM EL. = 16.10'
TOP OF WEIR = 12.20'
WEIR INV. = 8.05 (6" TRIANGLE)
INV. E. EL. = 8.20' (30" CMP)
INV. NW. EL. = 8.30' (30" CMP)
INV. N. EL. = 9.10' (12" RCP)
(TO REMAIN)

34

CATCH BASIN
RIM EL. = 14.88'
INV. E. EL. = 10.80' (36" CMP)
INV. W. EL. = 10.79' (30" CMP)
(TO BE MODIFIED)

35

OUTFALL
INV. EL. = 9.92' (36" CMP)
(TO REMAIN)

36

36" (PIPE TYPE UNKNOWN)
INV. W. EL. = 9.86'
(TO REMAIN)

37

CATCH BASIN
RIM EL. = 15.29'
INV. E. EL. = 9.94' (18" RCP)
(TO REMAIN)

38

CATCH BASIN
RIM EL. = 13.73'
INV. N. EL. = 10.43' (15" CMP)
INV. W. EL. = 10.18' (18" RCP)
(TO REMAIN)

39

CATCH BASIN
RIM EL. = 15.57'
INV. E. EL. = 8.03' (12" CMP)
INV. S. EL. = 7.98' (12" RCP)
(TO REMAIN)

40

CATCH BASIN
RIM EL. = 15.97'
INV. E. EL. = 7.77' (12" CMP)
INV. W. EL. = 7.87' (12" CMP)
(TO BE MODIFIED)

41

OUTFALL
INV. EL. = 7.77' (12" CMP)
(TO REMAIN)

42

CATCH BASIN
RIM EL. = 14.13'
INV. N. EL. = 10.58' (15" CMP)
INV. S. EL. = 10.43' (15" CMP)
INV. W. EL. = 11.93' (8" HDPE)
(TO REMAIN)

43

MES
INV. EL. = 13.37'
PIPE UNKNOWN
(15" RCP ASSUMED)
(TO BE REMOVED)

44

MES
INV. EL. = 12.84'
PIPE UNKNOWN
(15" RCP ASSUMED)
(TO BE REMOVED)

45

HEADWALL
INV. E. EL. = 9.05' (24" RCP)
(TO BE REMOVED)

46

CATCH BASIN
RIM EL. = 14.60'
INV. E. EL. = 9.20' (24" RCP)
INV. W. EL. = 9.30' (18" RCP)
(TO BE MODIFIED)

47

CATCH BASIN
RIM EL. = 15.84'
INVERTS INACCESSIBLE
FULL OF DEBRIS
(TO REMAIN)

48

CATCH BASIN
RIM EL. = 14.72'
INVERTS INACCESSIBLE
FULL OF DEBRIS
(TO BE MODIFIED)

49

HEADWALL
INV. EL. = 9.36" (24" RCP)
(TO REMAIN)

50

RIP RAP HEADWALL
INV. N. EL. = (-) 0.12' (144" CMP)
(TO REMAIN)

51

INLET
RIM EL. = 15.79'
INVERTS INACCESSIBLE
FULL OF DEBRIS
(TO REMAIN)

52

HEADWALL
INV. S. EL. = 0.43' (144" CMP)
(TO REMAIN)

53

HEADWALL
INV. W. EL. = 5.77' (54" RCP)
(TO REMAIN)

54

INLET
EP EL. = 13.59'
INV. N. EL. = 6.41' (15" RCP)
INV. W. EL. = 8.99' (15" PVC)
(TO REMAIN)

55

INLET
EP EL. = 13.56'
(TO REMAIN)

56

CATCH BASIN
RIM EL. = 13.32'
INV. NE. EL. = 10.02' (15" RCP)
(TO REMAIN)

57

STORM MH
RIM EL. = 14.12'
INV. SW. EL. = 10.07' (15" RCP)
INV. E. EL. = 9.52' (15" PVC)
(TO REMAIN)

58

STORM MH
RIM EL. = 14.24'
INV. N. EL. = 5.74' (15" RCP)
INV. S. EL. = 6.74 (15" RCP)
(TO REMAIN)

6/28/2020

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P:\2006\091600001\Bentley\Drawings\Road\2005509.dwg SUMPROJ.DGN

SCALAR CONSULTING GROUP INC.
5713 CORPORATE WAY, SUITE 200
WEST PALM BEACH, FL 33407
TEL. 561.429-5065
JOHN D. WHITAKER, P.E.
P.E. NO.: 68599
VENDOR NO. 451909667

NO.	REVISION	BY	DATE

SEAL

PALM BEACH COUNTY

ENGINEERING AND PUBLIC WORKS

ROADWAY PRODUCTION

P.O. BOX 21229, WEST PALM BEACH, FLORIDA

(561) 684-0150

SCALE: NTS

APPROVED: JDM

DRAWN: DA

CHECKED: SDW

DATE: 8/28/2020

EXISTING DRAINAGE
STRUCTURE DATA

DESIGN FILE NAME
SUMPROJ.DGN

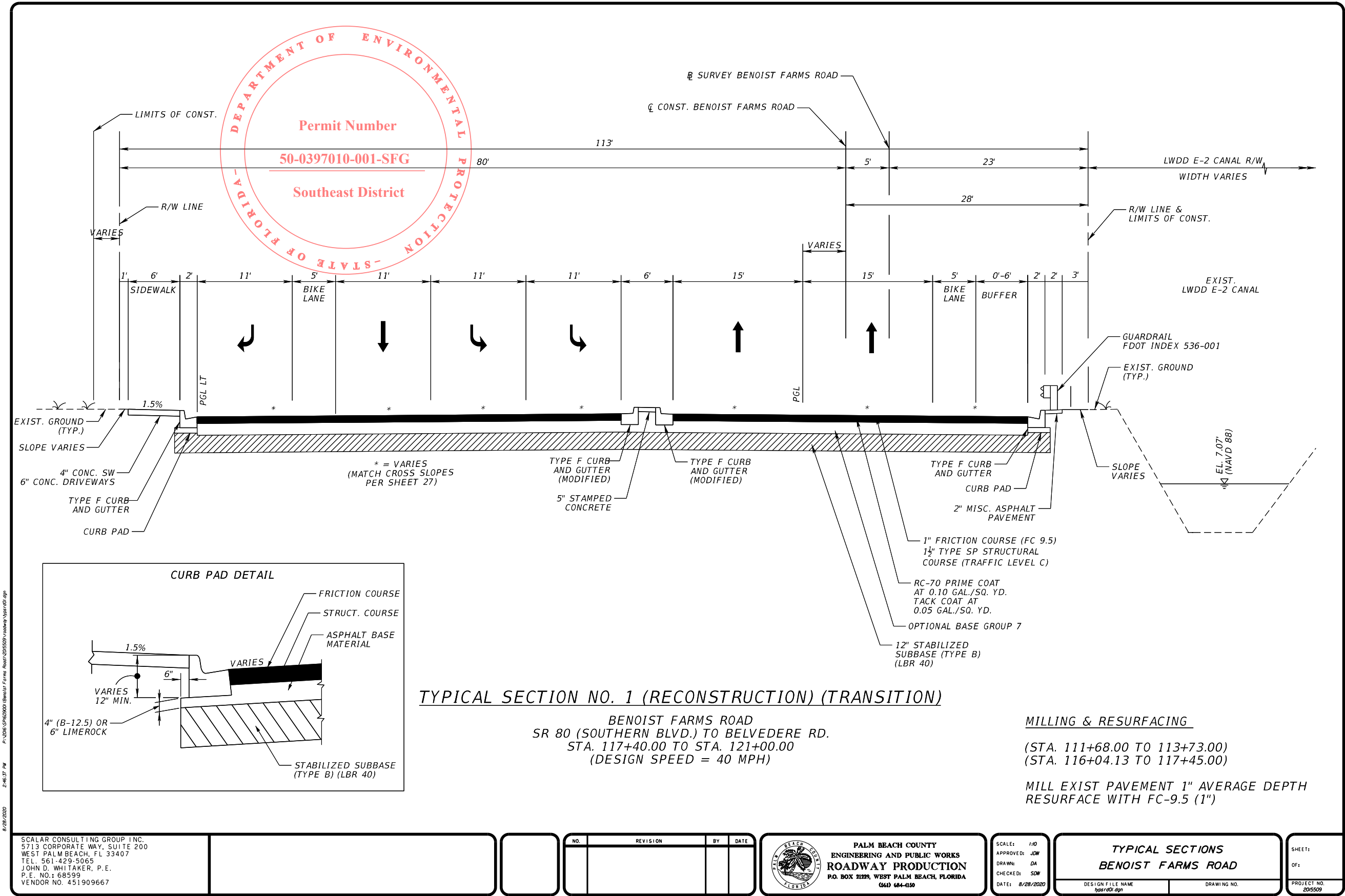
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OF:

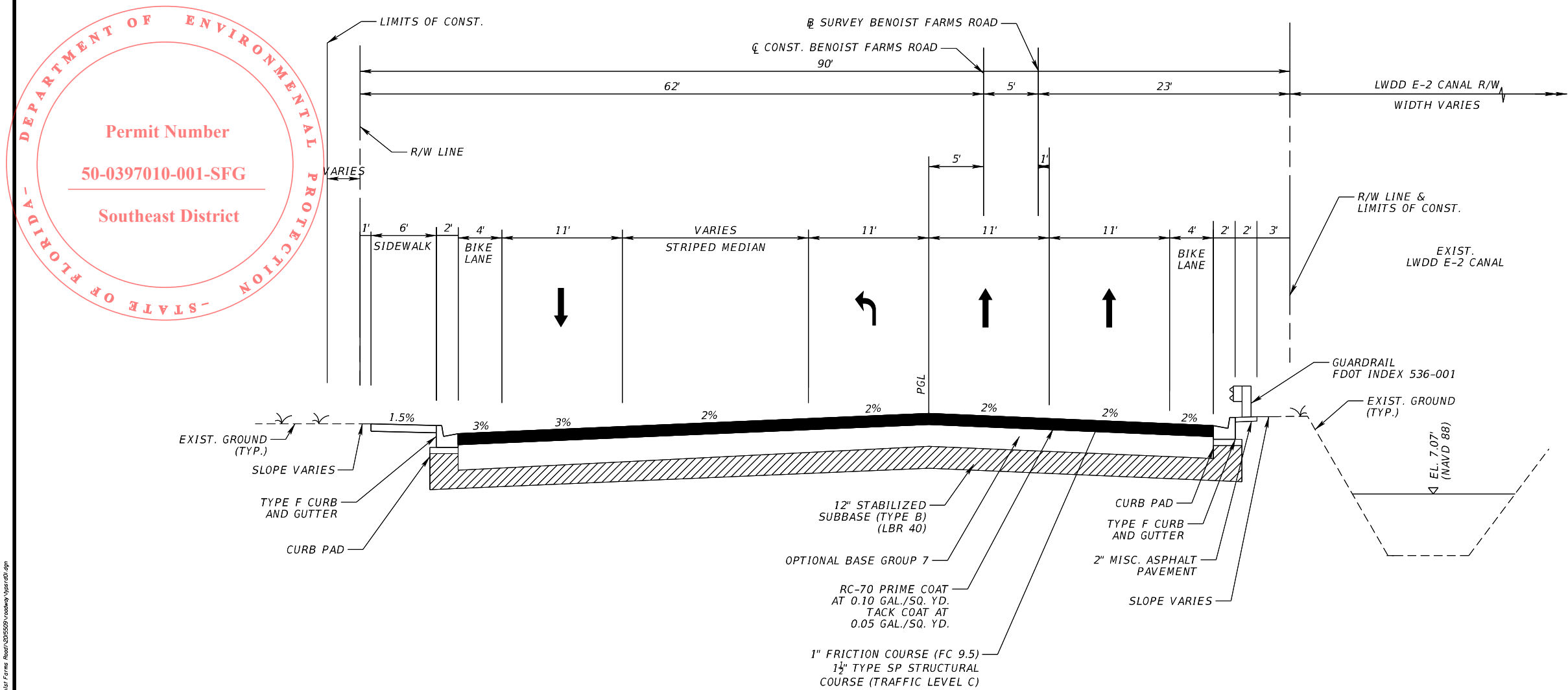
PROJECT NO.
2005509

PER-206

PERMITS



PERMITS



TYPICAL SECTION NO. 2 (RECONSTRUCTION) (TRANSITION)

BENOIST FARMS ROAD
SR 80 (SOUTHERN BLVD.) TO BELVEDERE RD.
STA. 121+00.00 TO STA. 131+50.00
(DESIGN SPEED = 40 MPH)

P:\2016\0460000\Benoist Farms Road\201509\roadway\typical.dgn
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8/28/2020

SCALAR CONSULTING GROUP INC.
5713 CORPORATE WAY, SUITE 200
WEST PALM BEACH, FL 33407
TEL. 561-429-5065
JOHN D. WHITAKER, P.E.
P.E. NO.: 68599
VENDOR NO. 451909667

NO.	REVISION	BY	DATE

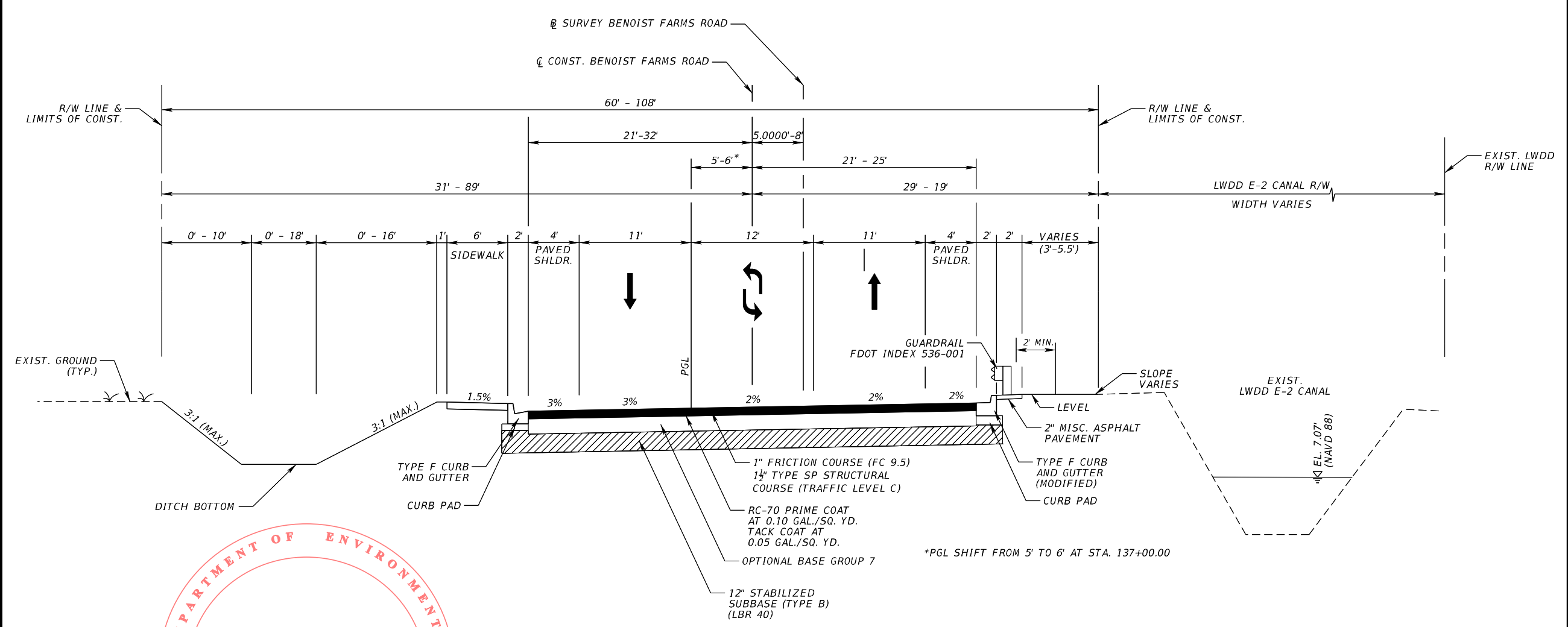


SCALE: 1/10
APPROVED: JDW
DRAWN: DA
CHECKED: SDW
DATE: 8/28/2020

TYPICAL SECTIONS
BENOIST FARMS ROAD
DESIGN FILE NAME
typical.dgn
DRAWING NO.

SHEET:
OF:
PROJECT NO.
2015509

PERMITS

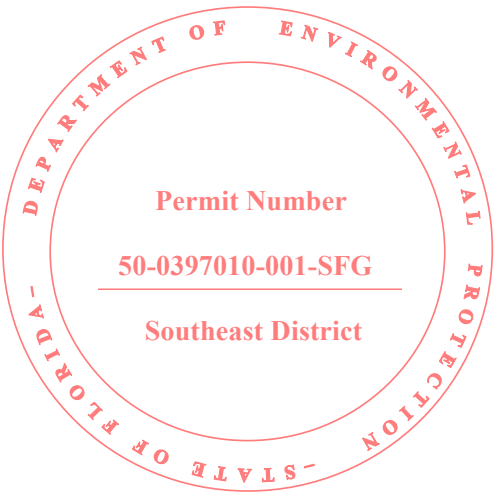
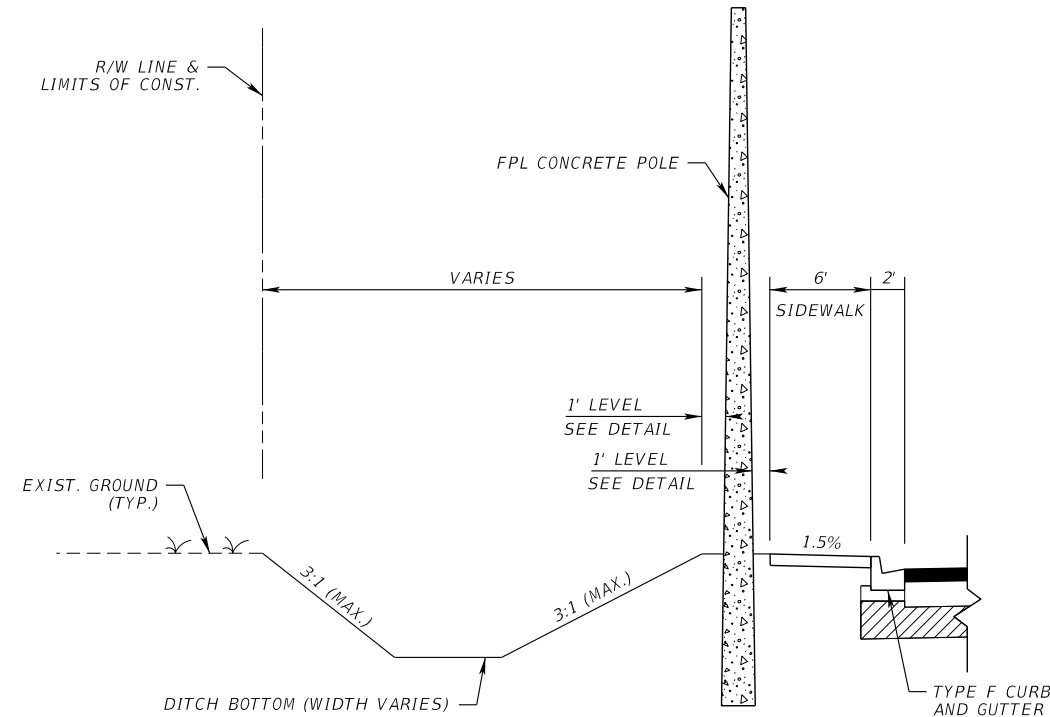


TYPICAL SECTION NO. 3 (RECONSTRUCTION)
BENOIST FARMS ROAD
NORTH OF SR 80 (SOUTHERN BLVD.) TO SOUTH APPROACH AT BELVEDERE RD.
STA. 131+50.00 TO STA. 161+73.14
(DESIGN SPEED = 40 MPH)

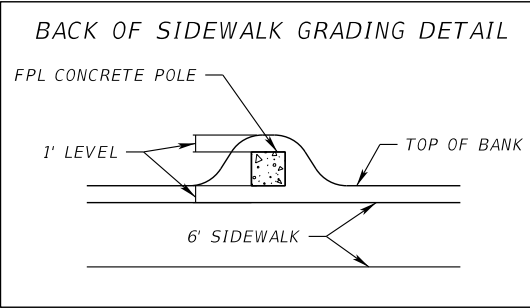
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SCALAR CONSULTING GROUP INC. 5713 CORPORATE WAY, SUITE 200 WEST PALM BEACH, FL 33407 TEL. 561-429-5065 JOHN D. WHITAKER, P.E. P.E. NO.: 68599 VENDOR NO. 451909667			NO.	REVISION	BY	DATE		PALM BEACH COUNTY ENGINEERING AND PUBLIC WORKS ROADWAY PRODUCTION P.O. BOX 21229, WEST PALM BEACH, FLORIDA (561) 684-4150	SCALE: 1/10 APPROVED: JDW DRAWN: DA CHECKED: SDW DATE: 8/28/2020	TYPICAL SECTIONS BENOIST FARMS ROAD DESIGN FILE NAME: typ1.rdl.dgn DRAWING NO.	SHEET: 1 OF 1	PROJECT NO. 2015509

PERMITS



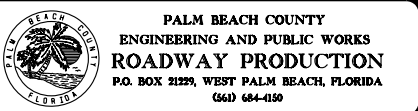
FPL POLE CONSTRUCTION DETAIL
NTS



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SCALAR CONSULTING GROUP INC.
5713 CORPORATE WAY, SUITE 200
WEST PALM BEACH, FL 33407
TEL. 561-429-5065
JOHN D. WHITAKER, P.E.
P.E. NO.: 68599
VENDOR NO. 451909667

NO.	REVISION	BY	DATE



SCALE: 1/10
APPROVED: JDW
DRAWN: DA
CHECKED: SDW
DATE: 8/28/2020

FPL POLE DETAIL BENOIST FARMS ROAD	
DESIGN FILE NAME SPDTRD01.DGN	DRAWING NO.

SHEET: OF:	PROJECT NO. 2015509
---------------	------------------------

PERMITS

REGULAR ROADWAY ITEMS			
NO.	DESCRIPTION	UNIT	QTY.
1	Mobilization	LS	1
2	Maintenance of Traffic (includes Pedestrian MOT)	LS	1
3	Clearing & Grubbing	LS	1
4	Sediment Barrier (Silt Fence)	LF	8616
5	Floating Turbidity Barrier	LF	1101
6	Inlet Protection	EA	13
7	Regular Excavation	CY	11474.0
8	Embankment (Compacted in Place)	CY	704.0
9	Type B Stabilization (LBR 40) (12")	SY	31380
10	Optional Base Group 7	SY	28432
11	Milling Exist. Asph. Pavt., 2 1/2" Avg. Depth	SY	3168
12	Miscellaneous Asphalt Pavement	TN	104.7
13	Superpave Asphalt Concrete (Traffic Level C)	TN	2607.0
14	Asphalt Concrete Friction Course (1") (Type FC-9.5)	TN	1738.0
15	Desilt Pipe	LF	85.0
16	Concrete Class I (Endwalls)	CY	6.0
17	Concrete Class II (Endwalls)	CY	14.4
18	Reinforcing Steel	LB	1249
19	Inlets (Curb) (Type P-1)	EA	4
20	Inlets (Curb) (Type P-2)	EA	5
21	Inlets (Curb) (Type P-5)	EA	6
22	Inlets (Curb) (Type J-5)	EA	1
23	Inlets (Curb) (Type P-6)	EA	1
24	Inlets (Ditch Bottom) (Type E) (MODIFIED)	EA	2
25	Inlets (Ditch Bottom) (Type E) (MODIFIED) >10'	EA	3
26	Inlets (Ditch Bottom) (Type E) (Partial)	EA	1
27	Inlets (Closed Flume) Type I	EA	14
28	Inlets (Closed Flume) Type II	EA	1
29	Manhole (Type J-7) >10'	EA	1
30	Manhole (Type P-8)	EA	3
31	Manhole (Type P-8) >10'	EA	1
32	Manhole (Type P-8) (Partial)	EA	3
33	Pipe Culvert (12")	LF	33
34	Pipe Culvert (18")	LF	1689
35	Pipe Culvert (24")	LF	107
36	Pipe Culvert (30")	LF	8
37	Pipe Culvert (72")	LF	24
38	Mitered End Section (Round) (18")	EA	13
39	French Drain (18")	LF	1196
40	Trench Drain	LF	10
41	Concrete Ditch Pavement 4" Reinforced	SY	92
42	Concrete Curb and Gutter (Type F)	LF	10423
43	Engraving of Curb Face (See SP's)	EA	4
44	Conc. Sidewalk (4" Thick)	SY	2522
45	Conc. Sidewalk (6" Thick) (Driveways)	SY	26
46	Pipe Handrail - Guiderail, Aluminum	LF	136
47	Guardrail (Roadway) (F&I)	LF	4443
48	Special Guardrail Posts	EA	104
49	Guardrail Removal	LF	4518
50	End Anchorage Assemblies (Flared)	EA	1
51	End Anchorage Assemblies (Type CRT)	EA	6
52	End Anchorage Assemblies (Trailing)	EA	1
53	End Anchorage Assemblies (Bridge)	EA	2
54	Type B Fence (6' High) (W/Top Rail) Green Vinyl Clad	LF	382
55	Fence Gate (Type B)(26'Wide)(W/Top Rail) Green Vinyl Clad	EA	1
56	Sodding	SY	11579
57	Mowing	AC	4.44
CONTINGENCY ITEMS			
NO.	DESCRIPTION	UNIT	QTY.
58	Class I Concrete (Miscellaneous)	CY	20.0
59	Flowable Fill	CY	20.0
60	Premium For Conflict Condition	EA	4
61	Subsoil Excavation (See SP's)	CY	10.0
62	Storm Sewer Cleaning (24" or less) See SP's	LF	200
63	Traffic Control Officer (NON MOT)	HR	50
64	Changeable (Variable Message) Sign (NON MOT)	ED	2
65	Adjust Fire Hydrant	EA	2
UTILITY PAY ITEMS			
NO.	DESCRIPTION	UNIT	QTY.
66	Adjust Valve Boxes (Incl. Concrete Collar)	EA	10
67	Adjust Utility Manhole	EA	5
68	Support and Protect Utility Poles	EA	15
69	Support and Protect Buried Cable	LF	250
70	Support and Protect Fiber Optic Cable	LF	250
71	Support and Protect WM & Appurtenances	LF	250
72	Support and Protect GM & Appurtenances	LF	250
73	Support and Protect FM & Appurtenances	LF	250

PAY ITEM FOOTNOTES:

- ITEM 2

PAYMENT FOR MAINTENANCE OF TRAFFIC SHALL INCLUDE ALL PROVISIONS NECESSARY TO MAINTAIN TWO-WAY TRAFFIC ON BENOIST FARMS ROAD THROUGHOUT CONSTRUCTION. ALL COSTS ASSOCIATED WITH TRAFFIC CONTROL SHALL BE INCLUDED IN THE BID PRICE FOR MAINTENANCE OF TRAFFIC. IN ADDITION, ALL TEMPORARY PAVEMENT AND ALL PAVEMENT MARKING REMOVAL COSTS ASSOCIATED WITH THE PROPOSED PAVEMENT MARKINGS PLACEMENT ARE TO BE INCLUDED.
- ITEM 3

INCLUDES COST OF REMOVAL OF EXISTING DRAINAGE STRUCTURES AND PIPES; ASPHALT PAVEMENT; CURBS; BASE; SOD; FENCE; AND ANY OTHER ITEMS TO BE REMOVED THAT ARE NOT SPECIFICALLY COVERED UNDER ANOTHER SEPARATE PAY ITEM. INCLUDES ALL SAWCUTTING.
- ITEM 5

INCLUDES FLOATING TURBIDITY BARRIER TO BE PLACED ALSO AT ALL LWDD OUTLET POINTS WITHIN THE PROJECT LIMITS.
- ITEM 9

COMPACTED SUBGRADE (98% AASHTO T-180) PAID FOR UNDER UNIT COST FOR BASE.
- ITEM 10-14

INCLUDES BITUMINOUS MATERIAL, PRIME COAT AND TACK COAT, AS REQUIRED.
- ITEM 19-32

COST OF CONCRETE ASSOCIATED WITH CONCRETE REINFORCEMENT OF INLETS SHALL BE INCIDENTAL TO THE COST OF THE INLET.
- ITEM 19-32

FOR CONSTRUCTION OF THE DRAINAGE STRUCTURES WITHIN THE R/W, CONTRACTOR IS RESPONSIBLE FOR "TRENCH SAFETY COMPLIANCE" IN ACCORDANCE WITH THE SPECIAL PROVISIONS. ALL STRUCTURE BOXES ARE <10 FEET IN DEPTH, UNLESS OTHERWISE NOTED.
- ITEM 33-37

ANY PIPE EXTENSIONS NECESSARY TO CONNECT EXISTING PIPE TO PROPOSED DRAINAGE STRUCTURES SHALL BE PAID FOR UNDER THE UNIT COST OF THE NEW DRAINAGE STRUCTURES.
- ITEM 42

COST OF DETECTABLE WARNING SURFACES, CURB PADS, CURB TAPERS, FLARED ENDS, ADA RAMPS, AND DROP CURB IS INCIDENTAL TO THE ITEM CONCRETE CURB AND GUTTER (TYPE F).



P:\2016\CPH60907 (Benoist Farms Road)\2015509\roadway\CES59001.dgn
8/28/2020 2:46:39 PM

SCALAR CONSULTING GROUP INC.
5713 CORPORATE WAY, SUITE 200
WEST PALM BEACH, FL 33407
TEL. 561-429-5065
JOHN D. WHITAKER, P.E.
P.E. NO.: 68599
VENDOR NO. 451909667

NO.	REVISION	BY	DATE



PALM BEACH COUNTY
ENGINEERING AND PUBLIC WORKS
ROADWAY PRODUCTION
P.O. BOX 21229, WEST PALM BEACH, FLORIDA
(561) 684-4150

SCALE:	NTS
APPROVED:	JDW
DRAWN:	DA
CHECKED:	SDW
DATE:	8/28/2020

SUMMARY OF PAY ITEMS
BENOIST FARMS ROAD

DESIGN FILE NAME
CES59001.DGN

DRAWING NO.

SHEET:
OF:
PROJECT NO. 2015509

PERMITS

SUMMARY OF EARTHWORK		
DESCRIPTION	CY	
	P	F
ROADWAY EXCAVATION		
BENOIST FARMS ROAD	11474	
TOTAL EXCAVATION	11474	
ROADWAY EMBANKMENT		
BENOIST FARMS ROAD	704	
TOTAL EMBANKMENT	704	

SUMMARY OF FENCING TYPE B												
LOCATION	SIDE	UNIT	FENCE TYPE B		FENCE GATE (TYPE B)		END POST ASSEM.		PULL POST ASSEM.		REMARKS	FIELD BOOK REFERENCE
STA. TO STA.			LF		EA		P	F	P	F		
			P	F	P	F						
145+25.45 TO 147+72.32	LT	LF	247.0									
148+22.76 TO 149+23.48	LT	LF	101.0									
149+23.48 TO 149+49.48	LT	EA			1							
149+49.48 TO 149+83.56	LT	LF	34.0									
TOTALS:			382		1							

SUMMARY OF RAILING					
LOCATION	SIDE	PIPE HANDRAIL - GUIDERAIL (ALUMINUM)	DESIGN NOTES	CONSTRUCTION REMARKS	
STA. TO STA.		LF			
		P	F		
130+33.20 to 130+47.20	LT	14.0			
132+05.50 to 132+14.50	LT	9.0			
133+75.50 to 133+84.50	LT	9.0			
135+85.72 to 135+94.72	LT	9.0			
137+55.72 to 137+64.72	LT	9.0			
140+83.00 to 140+97.00	LT	14.0			
143+25.50 to 143+34.50	LT	9.0			
145+60.50 to 145+69.50	LT	9.0			
147+15.50 to 147+24.50	LT	9.0			
148+65.50 to 148+74.50	LT	9.0			
151+45.50 to 151+54.50	LT	9.0			
152+55.50 to 152+64.50	LT	9.0			
160+35.57 to 160+44.44	LT	9.0			
160+85.74 to 160+90.81	LT	9.0			
SUB-TOTAL:		136.0			
TOTAL:		136			

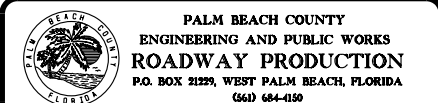


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SCALAR CONSULTING GROUP INC.
5713 CORPORATE WAY, SUITE 200
WEST PALM BEACH, FL 33407
TEL. 561-429-5065
JOHN D. WHITAKER, P.E.
P.E. NO.: 68599
VENDOR NO. 451909667



NO.	REVISION	BY	DATE



SCALE:	NTS
APPROVED:	JDW
DRAWN:	DA
CHECKED:	SDW
DATE:	8/28/2020

SUMMARY OF QUANTITIES	
BENOIST FARMS ROAD	
DESIGN FILE NAME SUMPRD01.DGN	DRAWING NO.

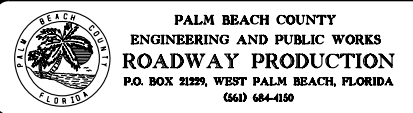
SHEET:
OF:
PROJECT NO. 2015509

PERMITS

SUMMARY OF GUARDRAIL																										
LOCATION			GUARDRAIL (LF)								SPECIAL POST		END ANCHORAGE ASSEMBLIES (EA)										GUARDRAIL REMOVAL (LF)		REMARKS	FIELD BOOK REFERENCE
STATION		SIDE	ROADWAY		ROADWAY (DOUBLE FACE)		PEDESTRIAN SAFETY TREATMENT		RUBRAIL		STEEL CONC. STRUCT. MOUNT	ENCASED SHALLOW MOUNT	FLARED		PARALLEL		BRIDGE (TIE TO RIGID BARRIER)		TYPE CRT		TRAILING					
			P	F	P	F	P	F	P	F			P	F	P	F	P	F	P	F	P	F				
FROM	117+65.23	RT	232																1							
TO	119+74.81																									
FROM	120+12.43	RT	284																2							
TO	122+99.23																									
FROM	123+16.84	RT	1717														1		1							
TO	140+22.40																									
FROM	140+41.50	RT	1357														1		1							
TO	153+88.98																									
FROM	141+28.72	LT	90										1								1					
TO	142+18.62																									
FROM	154+24.13	RT	763																							
TO	161+73.14																									
FROM	117+64.95	RT																								
TO	119+78.86																									
FROM	120+21.06	RT																								
TO	122+94.28																									
FROM	123+15.46	RT																								
TO	140+22.23																									
FROM	133+37.02	LT																								
TO	135+62.54																									
FROM	140+42.04	RT																								
TO	153+89.46																									
FROM	140+68.60	LT																								
TO	142+19.70																									
FROM	153+18.29	LT																								
TO	155+55.54																									
FROM	153+90.05	RT																								
TO	153+94.35																									
FROM	154+19.54	RT																								
TO	154+23.02																									
FROM	160+71.17	RT																								
TO	161+71.12																									
FROM	118+12.00	RT									5	20														
TO	119+64.15																									
FROM	120+23.10	RT									5	37														
TO	122+82.93																									
FROM	123+27.68	RT									5	26														
TO	125+20.00																									
FROM	128+82.00	RT									2															
TO	128+92.50																									
FROM	146+45.00	RT										2														
TO	146+55.00																									
FROM	161+00.00	RT									2															
TO	161+10.00																									
TOTAL			4443	0	0	0	0	0	0	0	19	85	1		0		2		6		1		4518			

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TEL. 561-429-5065
JOHN D. WHITAKER, P.E.
P.E. NO.: 68599
VENDOR NO. 451909667

NO.	REVISION	BY	DATE



SCALE: NTS
APPROVED: JDW
DRAWN: DA
CHECKED: SDW
DATE: 8/28/2020

*SUMMARY OF QUANTITIES
BENOIST FARMS ROAD*

DESIGN FILE NAME
SUMQRDOI.DGN

DRAWING NO.

SHEET:
OF:
PROJECT NO
2015509

PERMITS

QUANTITY	STR NO.	STATION	SIDE	DESCRIPTION	BARRELS	FRENCH DRAIN (LF)	TRENCH DRAIN (LF)	STORM & CROSS DRAIN OPTIONAL TYPE (LF)					CLASS I CONCRETE (ENDWALL) (CY)	CLASS II CONCRETE (ENDWALL) (CY)	REINFORCE. STEEL (LB)	CURB INLETS (EA)					MANHOLE (EA)					DITCH BOTTOM INLETS (EA)			CLOSED FLUME INLETS (EA)		MES (EA)	SOD (SY)	DITCH PAVT. (SY)	REMARKS		
						ROUND	TYPE I	ROUND								P-1	P-2	P-5	J-5	P-6	J-7	P-8	P-8	J-8	P-8	E MOD.	E MOD.	PART	TYPE 1						TYPE 2	18"
								12"	18"	24"	30"	72"				<10'	<10'	<10'	>10'	<10'	>10'	<10'	>10'	>10'	PART	<10'	>10'	<10'	1	2						
								18"																												
P	S-1	118+10.00	LT.	INLET, PIPE	1		10	33	67							1																				
F																																				
P	S-2	118+20.00	RT.	INLET, PIPE	1				111																											
F																																				
P	S-3	118+80.00	LT.	INLET, PIPE	1	73										1																				
F																																				
P	S-4	119+34.00	RT.	INLET, PIPE	1	173										1																				
F																																				
P	S-5	119+56.00	LT.	INLET, PIPE	1				96								1																			
F																																				
P	S-6	120+35.00	LT.	INLET, PIPE	1	75										1																				
F																																				
P	S-7	121+11.00	RT.	ENDWALL	1						2.24																									
F																																				
P	S-8	121+11.00	RT.	MANHOLE, PIPE	1				25											1												CONTROL STRUCTURE				
F																																				
P	S-9	121+11.00	LT.	MANHOLE, PIPE	1				80												1											W/ (1) CONC. JACKET				
F																																				
P	S-10	122+50.00	RT.	INLET, PIPE	1	135																														
F																																				
P	S-11	122+50.00	LT.	INLET, PIPE	1				77							1																				
F																																				
P	S-12	123+90.00	LT.	INLET, PIPE	1				137																											
F																																				
P	S-13	123+90.00	RT.	INLET, PIPE	1				137																											
F																																				
P	S-14	125+12.00	RT.	ENDWALL	1						2.24																									
F																																				
P	S-15	125+12.00	RT.	INLET, PIPE	1				18																							CONTROL STRUCTURE				
F																																				
P	S-16	125+12.00	LT.	INLET, PIPE	1				70								1																			
F																																				
P	S-17	128+00.00	LT.	INLET, PIPE	1	285											1																			
F																																				
P	S-18	128+69.00	LT.	INLET, PIPE	1				66								1																			
F																																				
P	S-19	128+90.00	RT.	INLET, PIPE	1				68									1																		
F																																				
P	S-20	130+40.00	LT.	FLUME	2																				1							0.60 CY OF DITCH PAVT.				
F																																				
P	S-21	131+17.00	LT.	MES, PIPE	1				54																		1	9				SEE MES TABLE				
F																																				
P	S-22	131+79.00	LT.	MES	1																						1	9				SEE MES TABLE				
F																																				
P	S-23	132+10.00	LT.	FLUME	1																				1							0.40 CY OF DITCH PAVT.				
F																																				
P	S-24	132+10.00	LT.	MANHOLE, PIPE	1	167													1																	
F																																				
P	S-25	133+80.00	LT.	FLUME	1																				1							0.20 CY OF DITCH PAVT.				
F																																				
P	S-26	133+80.00	LT.	DBI, PIPE	1				42																					18.3		CONTROL STRUCTURE				
F																																				
P	S-27	134+25.00	LT.	ENDWALL, PIPE	1						24			14.4	1249																					
F																																				
P	S-28	134+80.00	LT.	DBI, PIPE	1				52																					18.3		CONTROL STRUCTURE				
SHEET TOTALS				PLAN QUANTITY		908	10	33	1012	88	0	24	4.48	14.4	1249	4	5	4	1	1	1	1	1	0	0	0	2	0	2	1	0	2	18	36.6		
				FINAL QUANTITY																																

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SCALAR CONSULTING GROUP INC.
5713 CORPORATE WAY, SUITE 200
WEST PALM BEACH, FL 33407
TEL: 561-429-5065
JOHN D. WHITAKER, P.E.
P.E. NO.: 68599
VENDOR NO. 451909667

NO.

REVISION

BY

DATE



PALM BEACH COUNTY
ENGINEERING AND PUBLIC WORKS
ROADWAY PRODUCTION
P.O. BOX 21229, WEST PALM BEACH, FLORIDA
(561) 684-4190

SCALE: 1/50
APPROVED: JOW
DRAWN: DA
CHECKED: SOW
DATE: 8/28/2020

SUMMARY OF
DRAINAGE STRUCTURES

DESIGN FILE NAME
SUMD002.DGN

DRAWING NO.

SHEET: 1
OF: 1
PROJECT NO.
205509

PERMITS

QUANTITY	STR NO.	STATION	SIDE	DESCRIPTION	BARRELS	FRENCH DRAIN (LF)	TRENCH DRAIN (LF)	STORM & CROSS DRAIN OPTIONAL TYPE (LF)					CLASS I CONCRETE (ENDWALL) (CY)	CLASS II CONCRETE (ENDWALL) (CY)	REINFORCE. STEEL (LB)	CURB INLETS (EA)					MANHOLE (EA)					DITCH BOTTOM INLETS (EA)			CLOSED FLUME INLETS (EA)		MES (EA)	SOD (SY)	DITCH PAVT. (SY)	REMARKS	
						ROUND	TYPE I	ROUND								P-1	P-2	P-5	J-5	P-6	J-7	P-8	P-8	J-8	P-8	E MOD.	E MOD.	PART	TYPE 1	TYPE 2	18"				
						18"		12"	18"	24"	30"	72"				<10'	<10'	<10'	>10'	<10'	>10'	<10'	>10'	>10'	PART	<10'	>10'	<10'	1						2
P	S-29	135+90.00	LT.	FLUME	1																				1							0.20 CY OF DITCH PAVT.			
F																																			
P	S-30	136+40.00	LT.	MANHOLE, PIPE	1	157												1																	
F																																			
P	S-31	136+85.00	LT.	MES, PIPE	1			40																				1	9			SEE MES TABLE			
F																																			
P	S-32	137+41.00	LT.	MES	1																							1	9			SEE MES TABLE			
F																																			
P	S-33	137+60.00	LT.	FLUME	1																				1							0.20 CY OF DITCH PAVT.			
F																																			
P	S-34	140+90.00	LT.	FLUME	1																				1							0.18 CY OF DITCH PAVT.			
F																																			
P	S-35	143+30.00	LT.	FLUME	1																				1							1.00 CY OF DITCH PAVT.			
F																																			
P	S-36	144+84.00	LT.	MES, PIPE	1			46																				1	9			SEE MES TABLE			
F																																			
P	S-37	145+38.00	LT.	MES	1																							1	9			SEE MES TABLE			
F																																			
P	S-38	145+65.00	LT.	FLUME	1																				1							0.40 CY OF DITCH PAVT.			
F																																			
P	S-39	146+50.00	LT.	DBI, PIPE	1			88																							18.3	CONTROL STRUCTURE			
F																																			
P	S-40	146+50.00	RT.	ENDWALL	1						1.56																								
F																																			
P	S-41	147+20.00	LT.	FLUME																												0.37 CY OF DITCH PAVT.			
F																																			
P	S-42	147+80.00	LT.	MES, PIPE	1			47																				1	9			SEE MES TABLE			
F																																			
P	S-43	148+35.00	LT.	MES	1																								1	9		SEE MES TABLE			
F																																			
P	S-44	148+70.00	LT.	FLUME																					1							0.40 CY OF DITCH PAVT.			
F																																			
P	S-45	151+50.00	LT.	FLUME																					1							0.50 CY OF DITCH PAVT.			
F																																			
P	S-46	151+69.00	LT.	MES, PIPE	1			65																					1	9		SEE MES TABLE			
F																																			
P	S-47	152+42.00	LT.	MES	1																								1	9		SEE MES TABLE			
F																																			
P	S-48	152+60.00	LT.	FLUME	1																				1							0.50 CY OF DITCH PAVT.			
F																																			
P	S-49	153+30.00	LT.	MANHOLE, PIPE	1	131													1																
F																																			
P	S-50	154+64.00	LT.	DBI, PIPE	1				8																						18.3	CONTROL STRUCTURE			
F																																			
P	S-51	154+91.00	LT.	MANHOLE, PART.	1																														
F																																			
P	S-52	155+12.79	LT.	MANHOLE, PART.	1																														
F																																			
P	S-53	157+04.00	LT.	INLET, PIPE	1			164																											
F																																			
P	S-54	158+70.00	LT.	INLET, PIPE	1			153																											
F																																			
P	S-55	158+93.00	LT.	MES, PIPE	1			74																								SEE MES TABLE			
F																																			
SHEET TOTALS				PLAN QUANTITY		288	0	0	677	0	8	0	1.56	0	0	0	0	2	0	0	0	2	0	0	2	1	1	0	8	1	0	9	81	36.6	
				FINAL QUANTITY																															


SCALAR CONSULTING GROUP INC.
5713 CORPORATE WAY, SUITE 200
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VENDOR NO. 451909667

NO.

REVISION

BY

DATE



PALM BEACH COUNTY
ENGINEERING AND PUBLIC WORKS
ROADWAY PRODUCTION
P.O. BOX 21229, WEST PALM BEACH, FLORIDA
(561) 684-4150

SCALE: 1/50
APPROVED: JDW
DRAWN: DA
CHECKED: SDW
DATE: 8/28/2020

SUMMARY OF
DRAINAGE STRUCTURES

DESIGN FILE NAME: SUNDROD2.DWG
DRAWING NO.

SHEET:
OF:

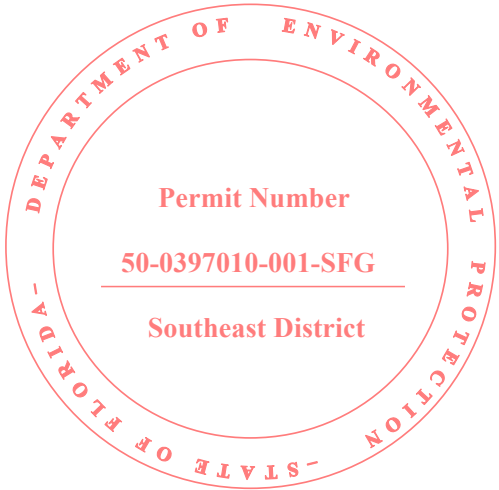
PROJECT NO.
205509

PER-215

PERMITS

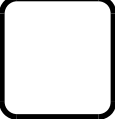
QUANTITY	STR NO.	STATION	SIDE	DESCRIPTION	BARRELS	FRENCH DRAIN (LF)	TRENCH DRAIN (LF)	STORM & CROSS DRAIN OPTIONAL TYPE (LF)					CLASS I CONCRETE (ENDWALL) (CY)	CLASS II CONCRETE (ENDWALL) (CY)	REINFORCE. STEEL (LB)	CURB INLETS (EA)					MANHOLE (EA)					DITCH BOTTOM INLETS (EA)			CLOSED FLUME INLETS (EA)		MES (EA)	SOD (SY)	DITCH PAVT. (SY)	REMARKS		
						ROUND	TYPE I	ROUND								P-1	P-2	P-5	J-5	P-6	J-7	P-8	P-8	J-8	P-8	E MOD.	E MOD.	PART	TYPE 1						TYPE 2	18"
								12"	18"	24"	30"	72"				<10'	<10'	<10'	>10'	<10'	>10'	<10'	>10'	>10'	PART	<10'	>10'	<10'	1	2						
																18"	<10'	<10'	<10'	>10'	<10'	>10'	>10'	PART	<10'	>10'	<10'	1	2							
P	S-56	159+73.00	LT.	MES	1																								1	9		SEE MES TABLE				
F																																				
P	S-57	160+23.00	LT.	MES	1																								1	9		SEE MES TABLE				
F																																				
P	S-58	160+40.00	LT.	FLUME	1																					1						0.37 CY OF DITCH PAVT.				
F																																				
P	S-59	160+69.00	LT.	DBI , PIPE	1				19													1									18.3	CONTROL STRUCTURE				
F																																				
P	S-60	160+77.56	LT.	MANHOLE , PART.	1																1															
F																																				
P	S-61	160+95.00	LT.	FLUME	1																					1						0.30 CY OF DITCH PAVT.				
F																																				
P	S-62	161+05.00	RT.	FLUME	1																							1				0.70 CY OF DITCH PAVT.				
F																																				
P	S-63	161+05.00	RT.	DBI , PART.	1																					1										
F																																				
SHEET TOTALS				PLAN QUANTITY		0	0	0	0	19	0	0	0	0	0	0	0	0	0	0	0	1	1	0	1	2	0	1	2	18	18.3					
				FINAL QUANTITY																																
GRAND TOTALS				PLAN QUANTITY		1196	10	33	1689	107	8	24	6.04	14.4	1249	4	5	6	1	1	1	3	1	0	3	2	3	1	12	2	1	13	117	91.5		
				FINAL QUANTITY																																

SIDE DRAIN MITERED END SECTIONS TABLE						
STRUCTURE	STATION	OFFSET	ELEV.	DIA.	SLOPE	INDEX #
S-21	131+17.00	45.00' LT	14.00	18"	1:4	430-022
S-22	131+79.00	45.00' LT	14.00	18"	1:4	430-022
S-31	136+85.00	40.00' LT	14.00	18"	1:4	430-022
S-32	137+41.00	40.00' LT	14.00	18"	1:4	430-022
S-36	144+84.00	45.00' LT	14.20	18"	1:4	430-022
S-37	145+38.00	45.00' LT	14.00	18"	1:4	430-022
S-42	147+80.00	45.00' LT	14.10	18"	1:4	430-022
S-43	148+35.00	45.00' LT	14.20	18"	1:4	430-022
S-46	151+69.00	42.00' LT	12.90	18"	1:4	430-022
S-47	152+42.00	42.00' LT	12.30	18"	1:4	430-022
S-55	158+93.00	40.00' LT	13.40	18"	1:4	430-022
S-56	159+73.00	45.00' LT	13.00	18"	1:4	430-022
S-57	160+25.00	44.00' LT	12.00	18"	1:4	430-022



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SCALAR CONSULTING GROUP INC.
5713 CORPORATE WAY, SUITE 200
WEST PALM BEACH, FL 33407
TEL. 561-429-5065
JOHN D. WHITAKER, P.E.
P.E. NO.: 68599
VENDOR NO. 451909667



NO.	REVISION	BY	DATE



PALM BEACH COUNTY
ENGINEERING AND PUBLIC WORKS
ROADWAY PRODUCTION
P.O. BOX 21229, WEST PALM BEACH, FLORIDA
(561) 684-4150

SCALE: 1/50
APPROVED: JDW
DRAWN: DA
CHECKED: SDW
DATE: 8/28/2020

SUMMARY OF
DRAINAGE STRUCTURES

DESIGN FILE NAME
SUMPD002.DWG

DRAWING NO.

SHEET: OF:
PROJECT NO. 2015509

PERMITS

1. PRIOR TO COMMENCEMENT OF AN EXCAVATION, THE CONTRACTOR SHALL COMPLY WITH FLORIDA STATUTE 556.105 FOR THE PROTECTION OF UNDERGROUND GAS PIPELINES.
2. GRADES SHOWN ARE FINISHED GRADES, UNLESS OTHERWISE NOTED.
3. BENCHMARK ELEVATIONS SHOWN ON THE PLANS ARE NORTH AMERICAN VERTICAL DATUM (NAVD) 1988, UNLESS OTHERWISE NOTED.
4. EXISTING SECTION CORNERS, QUARTER SECTION CORNERS, PROPERTY CORNERS, PALM BEACH COUNTY SURVEY CONTROL MONUMENTS AND ALL OTHER PERMANENT MONUMENTS LOCATED WITHIN PROPOSED CONSTRUCTION ARE TO BE REFERENCED PRIOR TO CONSTRUCTION AND RESET AFTER CONSTRUCTION BY A PROFESSIONAL SURVEYOR AND MAPPER WITH A MONUMENT BEARING EITHER THE FLORIDA LICENSE NUMBER OR CERTIFICATE OF AUTHORIZATION NUMBER OF THE PARTY IN RESPONSIBLE CHARGE.
5. UTILITIES ARE TO BE ADJUSTED OR RELOCATED BY OTHERS AS DIRECTED BY THE ENGINEER UNLESS OTHERWISE NOTED.
6. THE LOCATION OF THE EXISTING UTILITIES SHOWN IN THE PLANS ARE APPROXIMATE ONLY; THE EXACT LOCATIONS SHALL BE DETERMINED BY THE CONTRACTOR PRIOR TO THE START OF CONSTRUCTION. IN ADDITION, THE CONTRACTOR SHALL BE RESPONSIBLE TO VERIFY IF OTHER UTILITIES (NOT SHOWN IN THE PLANS) EXIST WITHIN THE AREA OF CONSTRUCTION. SHOULD THERE BE UTILITY CONFLICTS, THE CONTRACTOR SHALL INFORM THE ENGINEER AND NOTIFY THE RESPECTIVE UTILITY OWNERS TO RESOLVE UTILITY CONFLICTS AND UTILITY ADJUSTMENTS, AS REQUIRED.
7. ALL KNOWN UTILITY COMPANIES WITHIN THE PROJECT LIMITS ARE LISTED WITH CONTACT PERSON AND PHONE NUMBER, AS FOLLOWS:

CONTACT PERSON	UTILITY	PHONE NUMBER
MIYA FISHER	COMCAST	(561) 598-9756
MICHAEL ALEXANDER	FLORIDA CITY GAS	(305) 968-5516
DANNY HASKETT	FIBERNET DIRECT	(305) 552-2931
SHAREKA HAYDEN	FPL - DISTRIBUTION	(561) 904-3210
DALE BUTCHER	FLORIDA PUBLIC UTILITIES	(561) 602-3702
OPERATIONS SUPT.	PBC TRAFFIC SIG	(561) 233-3900
ROD FRIEDEL	PBC TRAFFIC ITS	(561) 681-4371
KEN SCHNEIDER	PBC TRAFFIC ISS	(561) 632 9734
GARTH BEDWARD	AT&T FLORIDA	(561) 540-9263

8. UTILITY LOCATIONS MAY ALSO BE DETERMINED BY CALLING SUNSHINE ONE-CALL AND THE RESPECTIVE UTILITY COMPANY.
9. STATIONS AND OFFSETS REFER TO THE CENTERLINE OF CONSTRUCTION, UNLESS OTHERWISE NOTED.
10. INTERSECTING ROADS AND DRIVEWAYS ARE TO BE GRADED AS DIRECTED BY THE ENGINEER, UNLESS OTHERWISE NOTED.
11. MAINTENANCE OF TRAFFIC SHALL BE IN ACCORDANCE WITH CURRENT FLORIDA DEPARTMENT OF TRANSPORTATION STANDARDS AND THE MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES.
12. ALL DRAINAGE PIPES SHALL BE CONSTRUCTED IN ACCORDANCE WITH FLORIDA DEPARTMENT OF TRANSPORTATION AND PALM BEACH COUNTY REQUIREMENTS.
13. ALL INLET DRAINAGE STRUCTURES SHALL HAVE A MINIMUM 2' SUMP, EXCEPT CONTROL STRUCTURES. WEEP HOLES SHALL NOT BE A PART OF THESE SUMPS.
14. PEDESTRIAN AND VEHICULAR TRAFFIC SHALL BE MAINTAINED AND PROTECTED AT ALL TIMES. SIGNS, BARRICADES AND LIGHTS SHALL BE PROVIDED IN ACCORDANCE WITH FLORIDA DEPARTMENT OF TRANSPORTATION DESIGN STANDARDS DATED 2017 AND FHWA "MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES (MUTCD)". THE CONTRACTOR SHALL SUBMIT A CONSTRUCTION SEQUENCE AND TRAFFIC CONTROL PLAN TO PALM BEACH COUNTY DEPARTMENT OF ENGINEERING AND PUBLIC WORKS AND SHALL RECEIVE WRITTEN APPROVAL OF THE PLAN FROM THE COUNTY PRIOR TO BEGINNING CONSTRUCTION OF THE PROJECT.
15. THE CONTRACTOR SHALL NOTIFY ALL PROPERTY OWNERS 14 DAYS IN ADVANCE OF ANY CONSTRUCTION TO ALLOW PROPERTY OWNERS THE OPPORTUNITY TO RELOCATE ANY PRIVATE PROPERTY (LANDSCAPING, IRRIGATION SYSTEMS, SIGNS, ETC.) THAT ARE IN CONFLICT WITH THE PROPOSED ROADWAY CONSTRUCTION.
16. THE CONTRACTOR SHALL NOTIFY THE UTILITY COMPANIES A MINIMUM OF 5 WORKING DAYS IN ADVANCE OF ANY CONSTRUCTION INVOLVING THEIR FACILITIES SO THAT THEIR COMPANY REPRESENTATIVE CAN BE PRESENT.
17. THE CONTRACTOR IS TO USE CAUTION WHEN WORKING IN OR AROUND AREAS OF OVERHEAD TRANSMISSION LINES AND/OR UNDERGROUND UTILITIES.
18. THE CONTRACTOR SHALL NOTIFY PALM BEACH COUNTY'S REPRESENTATIVE IF SOIL OR SUBSURFACE CONDITIONS UNSUITABLE FOR CONSTRUCTION ARE ENCOUNTERED.

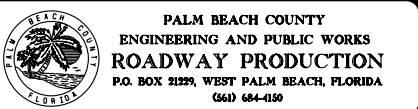
20. ANY N.G.V.D. OR N.A.V.D. MONUMENT WITHIN THE LIMITS OF CONSTRUCTION IS TO BE PROTECTED. IF IN DANGER OF DAMAGE THE CONTRACTOR SHOULD NOTIFY:
NATIONAL GEODETIC INFORMATION SERVICE CENTER
NOAA NATIONAL GEODETIC SURVEY N/CG 17
SSMC 3 STATION 09202
SILVER SPRINGS, MARYLAND 20910
TELEPHONE NO. (301) 713-3242
21. THE CONTRACTOR SHALL RESTORE ALL AREAS DISTURBED BY THIS CONSTRUCTION TO A CONDITION EQUAL TO, OR BETTER THAN, THE EXISTING CONDITION AT THE TIME CONSTRUCTION BEGAN.
22. ALL EXISTING DRAINAGE STRUCTURES, PIPES AND APPURTENANCES WITHIN THE LIMITS OF CONSTRUCTION ARE TO REMAIN UNLESS OTHERWISE NOTED.
23. THE CONTRACTOR IS RESPONSIBLE FOR THE PROTECTION AND/OR REMOVAL, STORAGE, AND REINSTALLATION OF ALL EXISTING ITEMS NOTED TO REMAIN OR TO BE RELOCATED. THE CONTRACTOR SHALL NOTIFY THE ENGINEER, IN WRITING, PRIOR TO COMMENCING CONSTRUCTION IF SAID ITEMS ARE DAMAGED, MISSING, OR IN A DETERIORATED CONDITION.
24. IN AREAS OF PAVEMENT WIDENING ALL EXISTING PAVEMENT EDGES ARE TO BE MECHANICALLY SAWCUT TO A CLEAN, STRAIGHT EDGE.
25. ALL VEGETATION, DEBRIS, CONCRETE, OR OTHER UNSUITABLE MATERIAL SHALL BE DISPOSED OF OFF-SITE IN AN AREA PROVIDED BY THE CONTRACTOR.
26. CALLOUTS FOR PAVEMENT AND CURBING RADII, STATIONING, OFFSETS, AND ELEVATIONS REFER TO THE EDGE OF PAVEMENT UNLESS OTHERWISE NOTED.
27. CALLOUTS FOR LOCATIONS OF DRAINAGE STRUCTURES REFER TO THE LOCATION POINT AS INDICATED IN THE FLORIDA DEPARTMENT OF TRANSPORTATION DESIGN STANDARD FOR THE REFERENCED DRAINAGE STRUCTURES UNLESS OTHERWISE NOTED.
28. ALL MAILBOXES CURRENTLY SERVED FROM THE ROADWAY BEFORE CONSTRUCTION MUST BE SERVED IN THE SAME MANNER DURING AND AFTER CONSTRUCTION IN CONFORMANCE WITH FLORIDA DEPARTMENT OF TRANSPORTATION INDEX NO. 532. COSTS FOR THIS ARE INCLUDED IN THE COSTS FOR CLEARING AND GRUBBING.
29. ALL EXISTING IRRIGATION SYSTEM COMPONENTS CONFLICTING WITH THE PROPOSED CONSTRUCTION SHALL BE REMOVED AND DISPOSED OF BY THE CONTRACTOR. EXISTING PIPES SHALL BE CAPPED PRESSURE TIGHT AT THE R/W LINE. EXISTING CONTROL WIRING SHALL BE CUT, SEALED AND LEFT BURIED BELOW GRADE AT THE R/W LINE. COSTS FOR THIS ARE INCLUDED IN THE COSTS FOR CLEARING AND GRUBBING.
30. THE CONTRACTOR SHALL PROTECT ALL TREES TO REMAIN DURING ALL ASPECTS OF THE WORK. PROTECTION SHALL INCLUDE THE ERECTION AND MAINTENANCE OF AN ENGINEER APPROVED TREE PROTECTION FENCE. THE FENCE SHALL BE ERECTED AT THE TREE DRIP LINE PRIOR TO BEGINNING CONSTRUCTION AND SHALL REMAIN UNTIL CONSTRUCTION IS COMPLETE. COSTS FOR THIS ARE INCLUDED IN THE COSTS FOR CLEARING AND GRUBBING.



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SCALAR CONSULTING GROUP INC.
5713 CORPORATE WAY, SUITE 200
WEST PALM BEACH, FL 33407
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JOHN D. WHITAKER, P.E.
P.E. NO.: 68599
VENDOR NO. 451909667

NO.	REVISION	BY	DATE

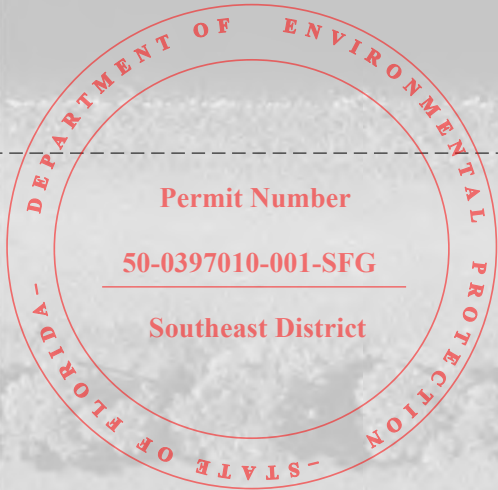
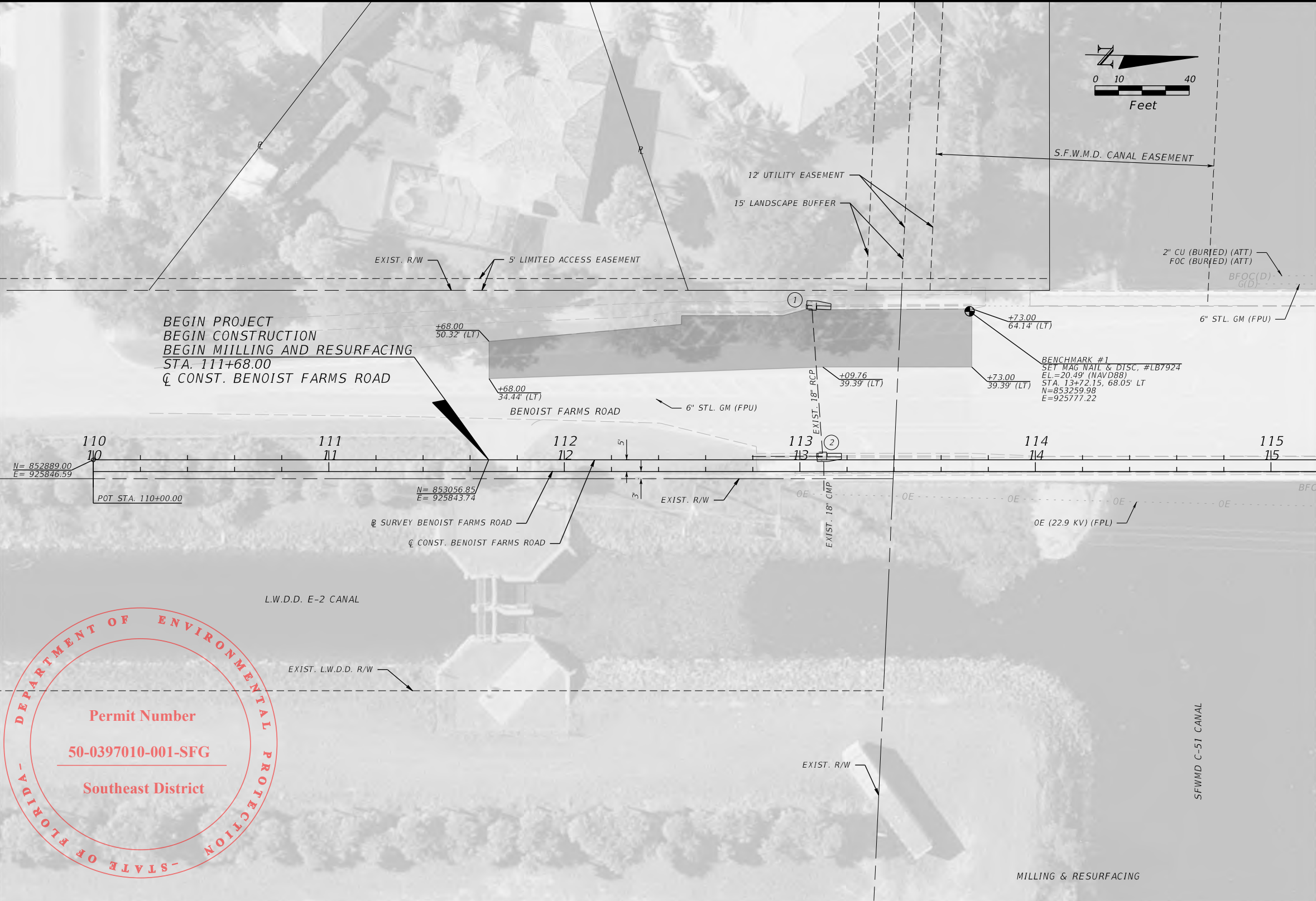


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APPROVED: JDW
DRAWN: DA
CHECKED: SDW
DATE: 8/28/2020

GENERAL NOTES	
BENOIST FARMS ROAD	
DESIGN FILE NAME OWNTRD01.DGN	DRAWING NO.

SHEET:
OF:
PROJECT NO. 2015509

PERMITS



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8/28/2020

SCALAR CONSULTING GROUP INC.
5713 CORPORATE WAY, SUITE 200
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PALM BEACH COUNTY
ENGINEERING AND PUBLIC WORKS
ROADWAY PRODUCTION
P.O. BOX 21229, WEST PALM BEACH, FLORIDA
(561) 684-4150

SCALE: 1"=40'
APPROVED: JDW
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DATE: 8/28/2020

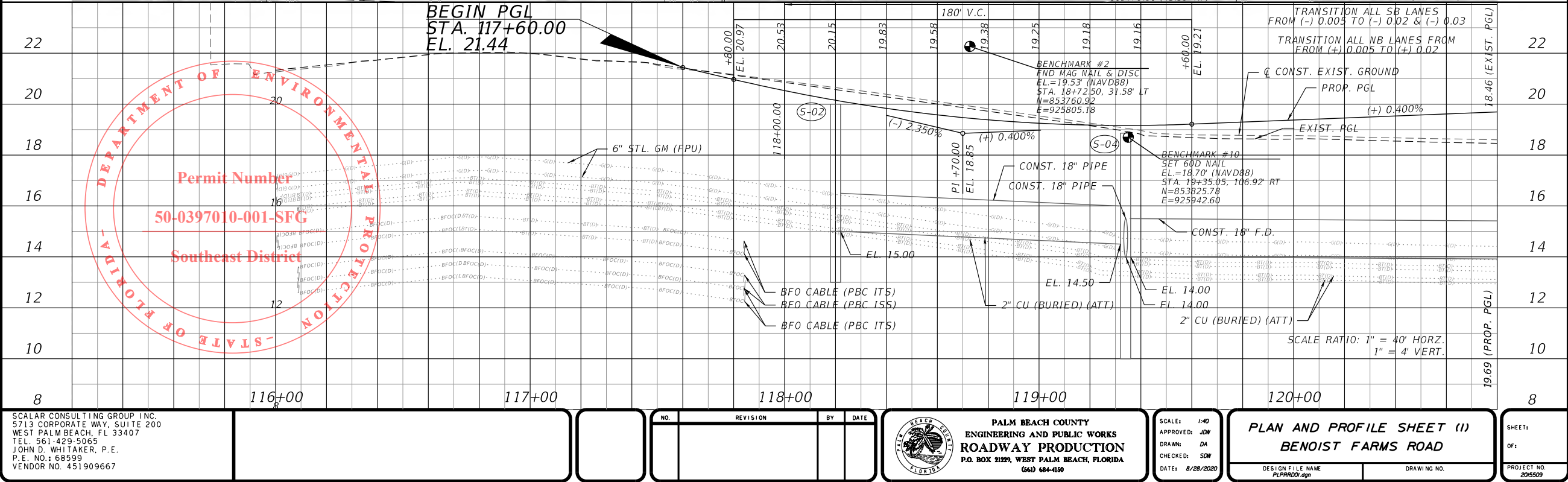
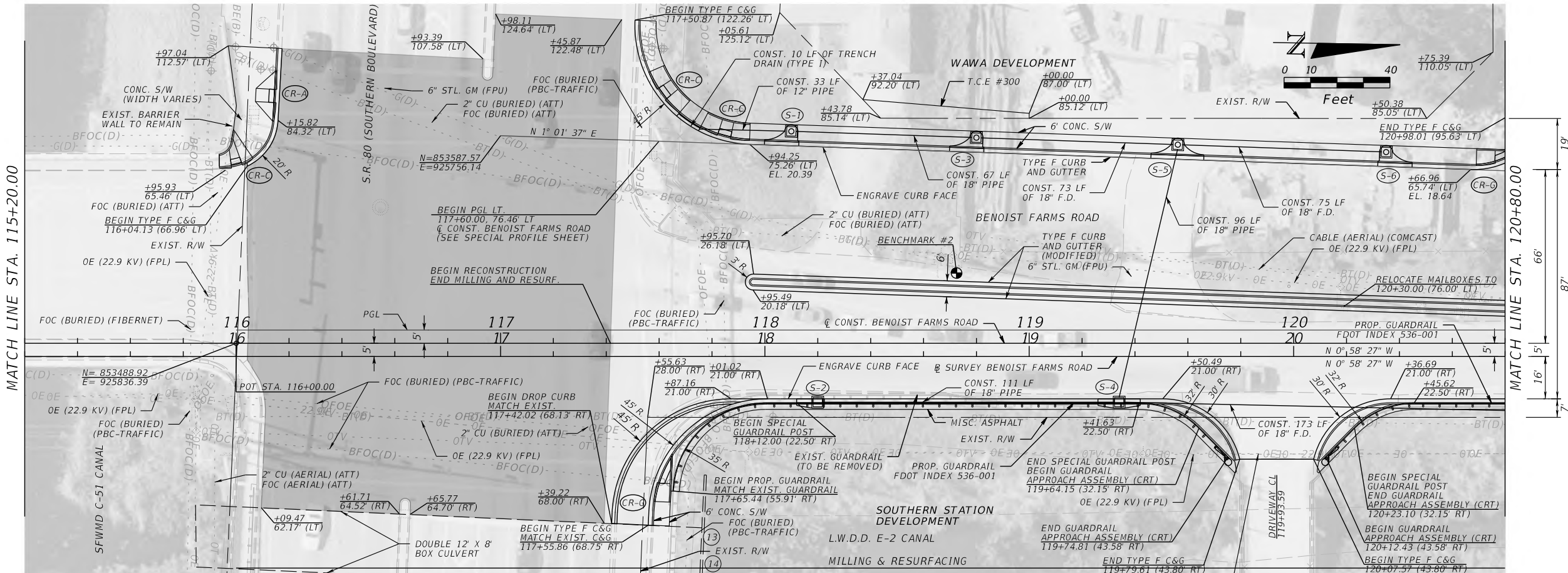
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BENOIST FARMS ROAD

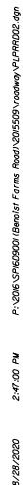
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SHEET:
OF:
PROJECT NO.
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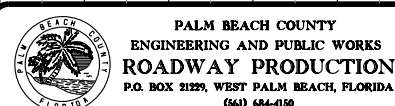
PERMITS



PER-220

SCALAR CONSULTING GROUP INC.
5713 CORPORATE WAY, SUITE 200
WEST PALM BEACH, FL 33407
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JOHN D. WHITAKER, P.E.
P.E. NO.: 68599
VENDOR NO. 451909667

NO.	REVISION	BY	DATE



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DATE: 8/28/2020

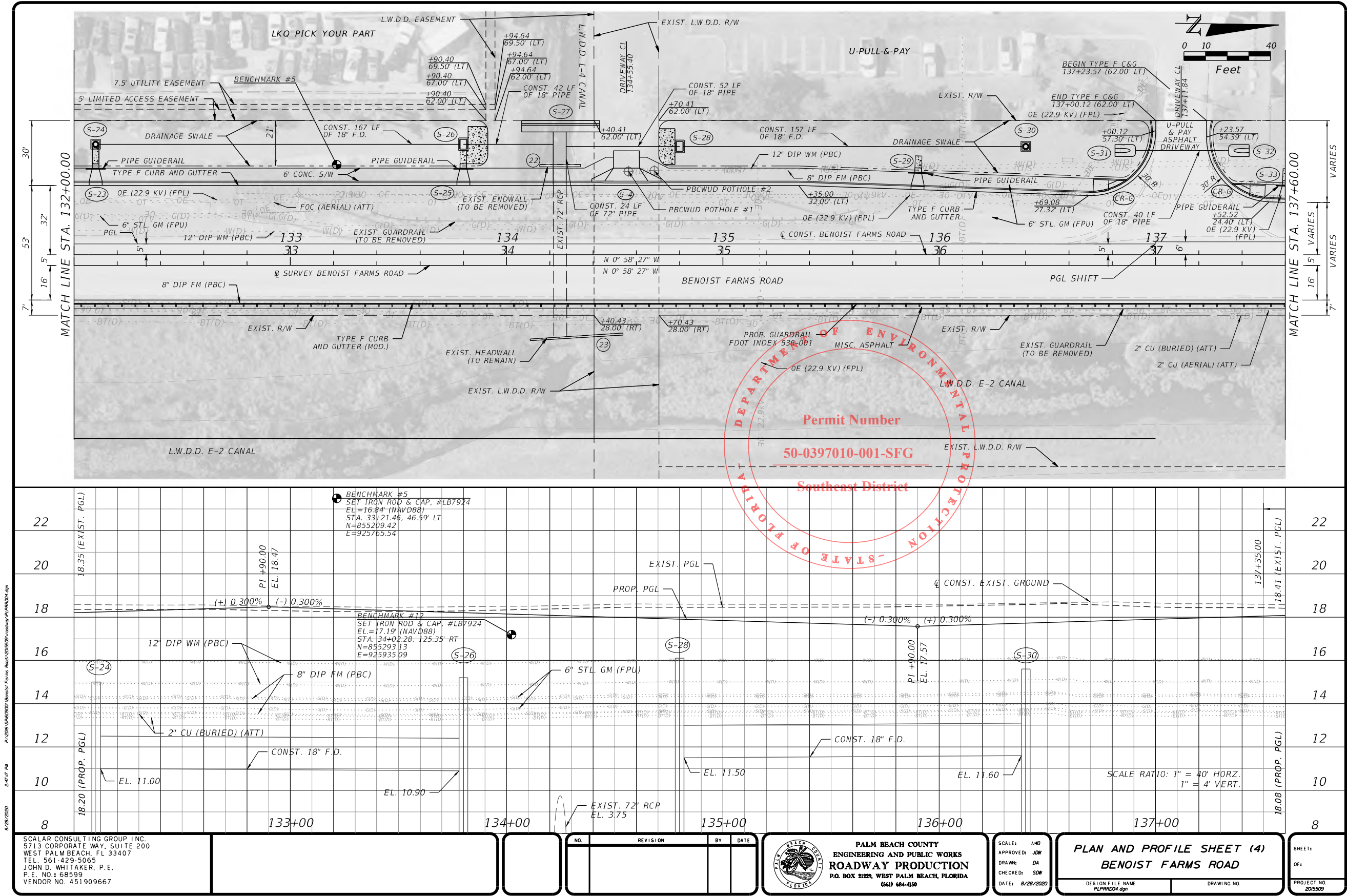
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DESIGN FILE NAME	DRAWING NO.

SHEET:
OF:
PROJECT NO.

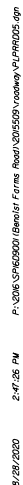
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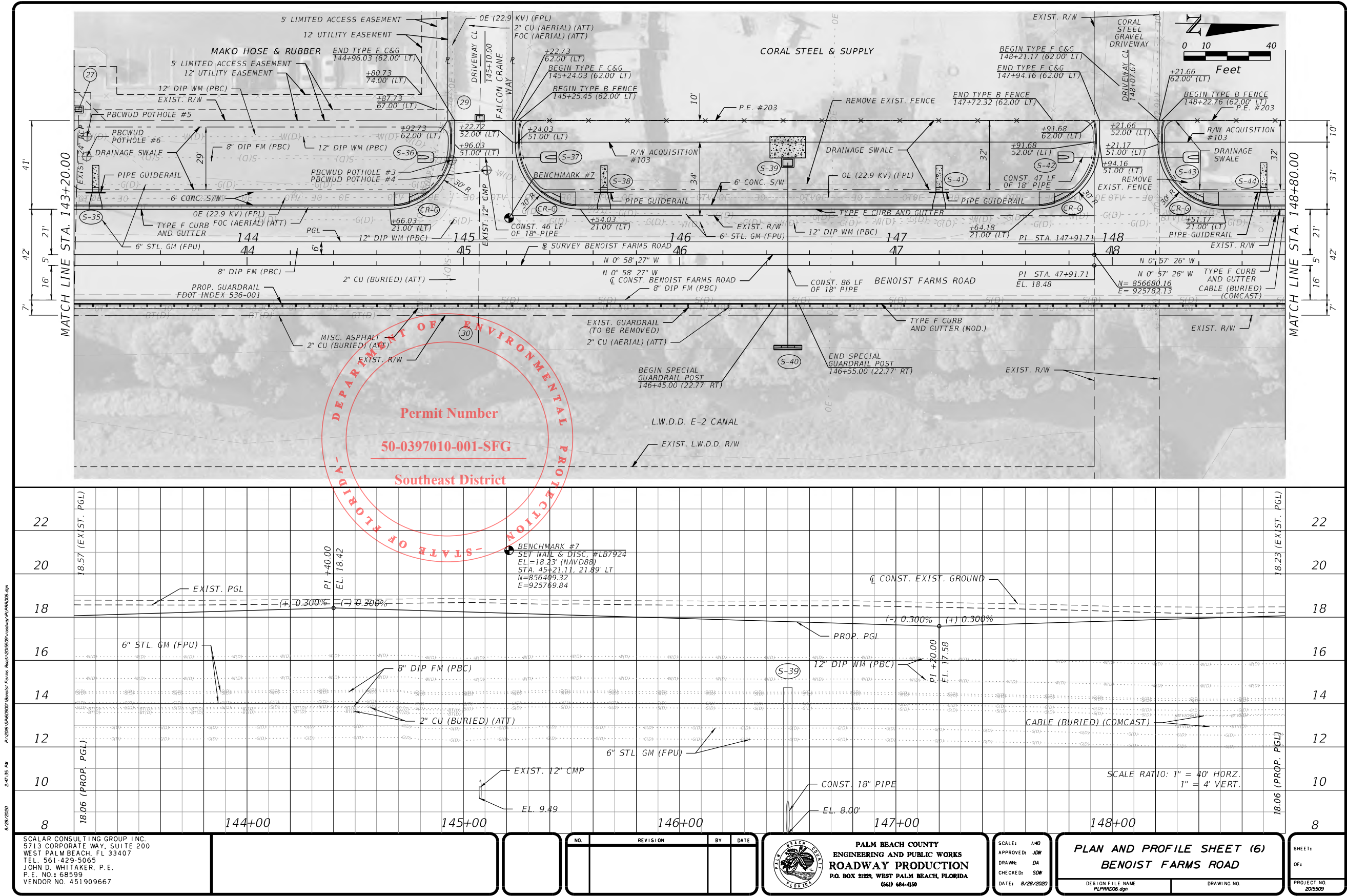
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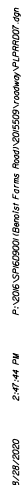


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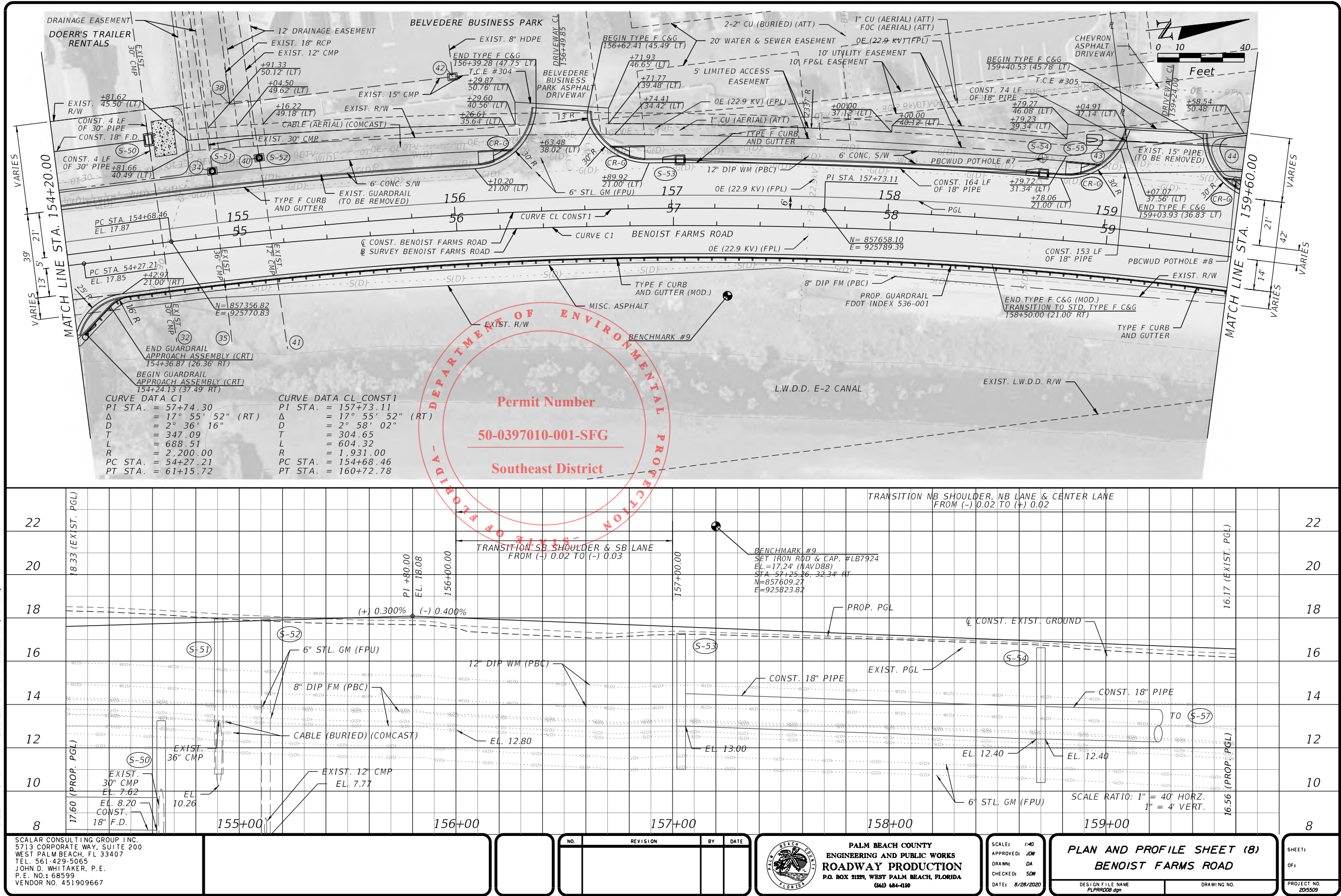


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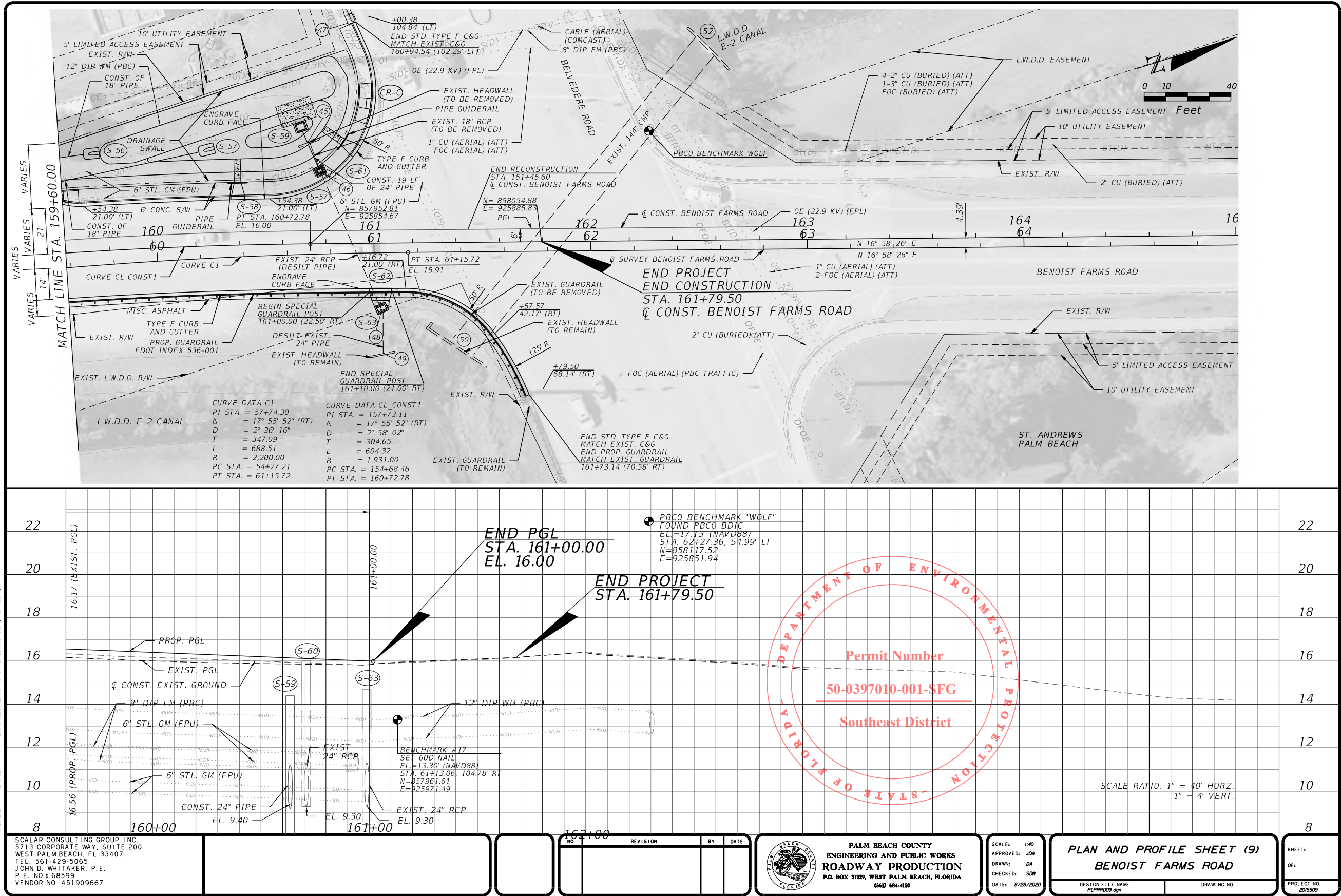


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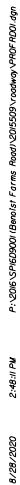
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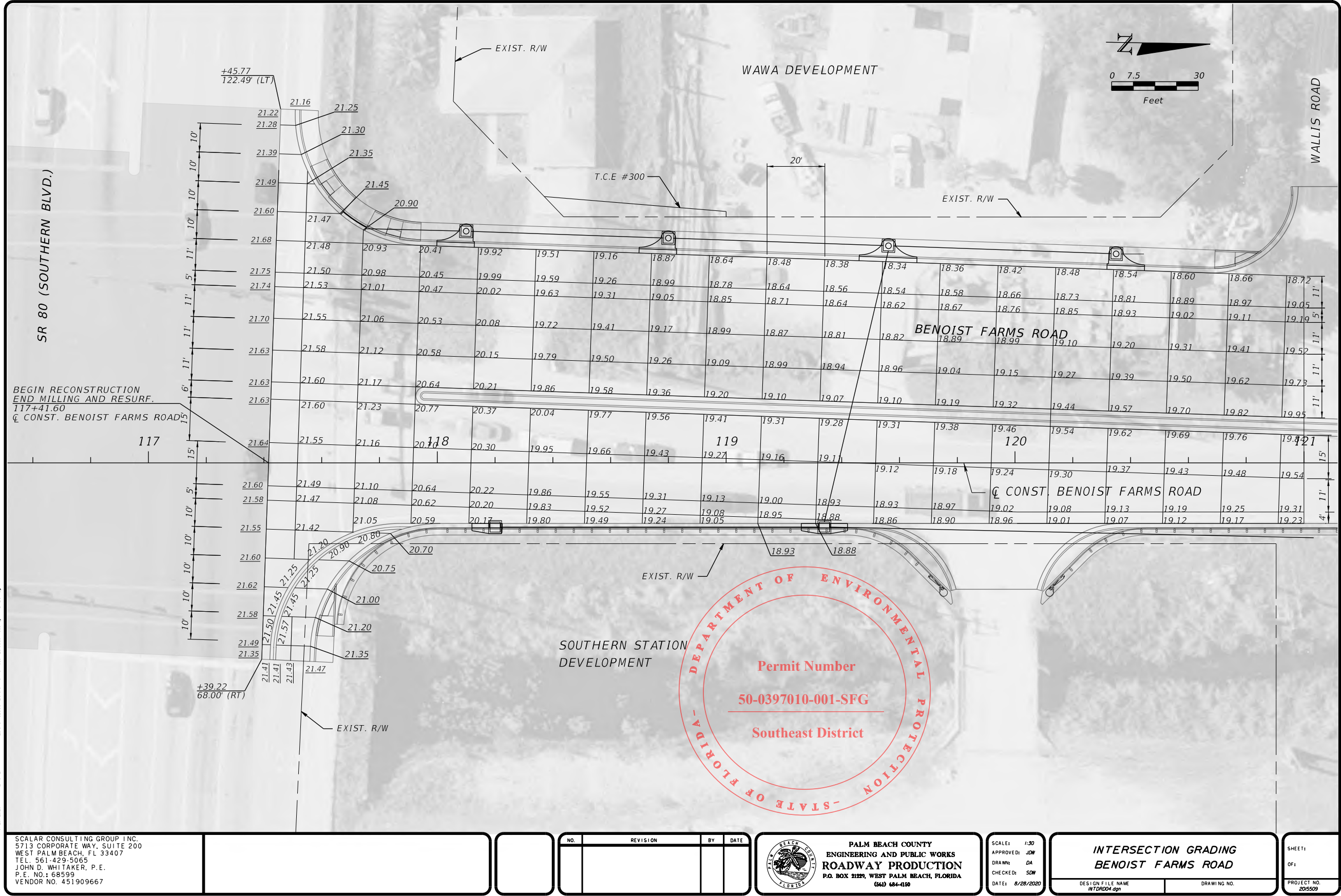
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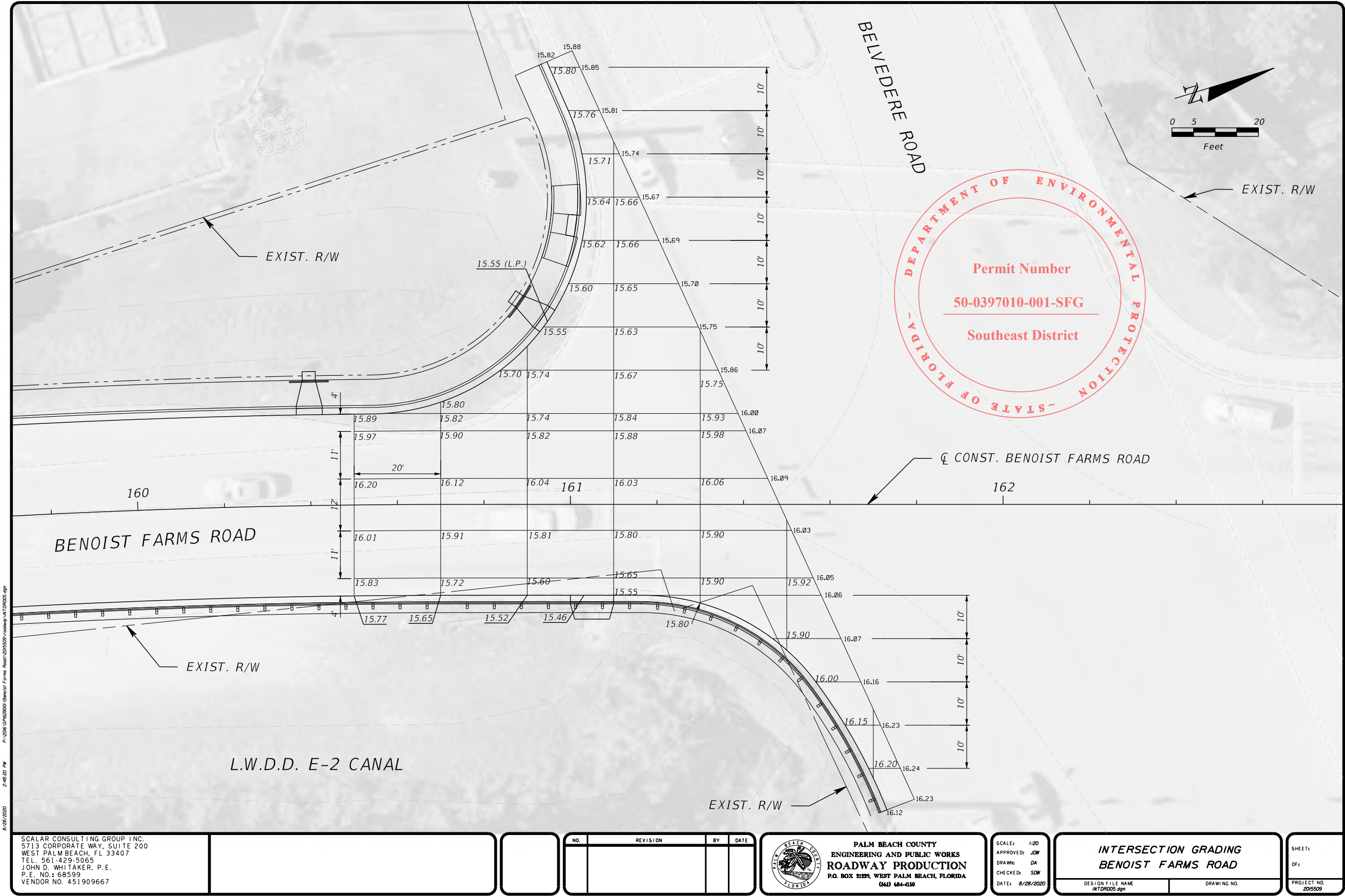
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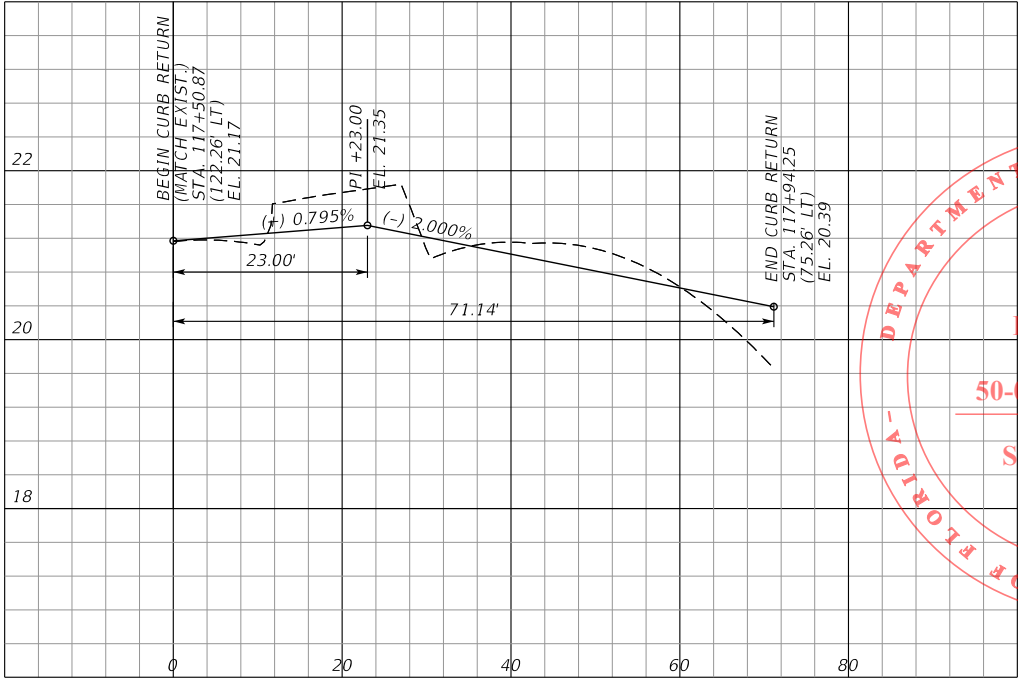


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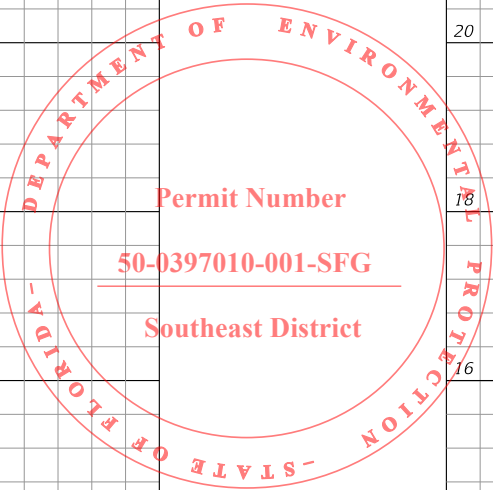
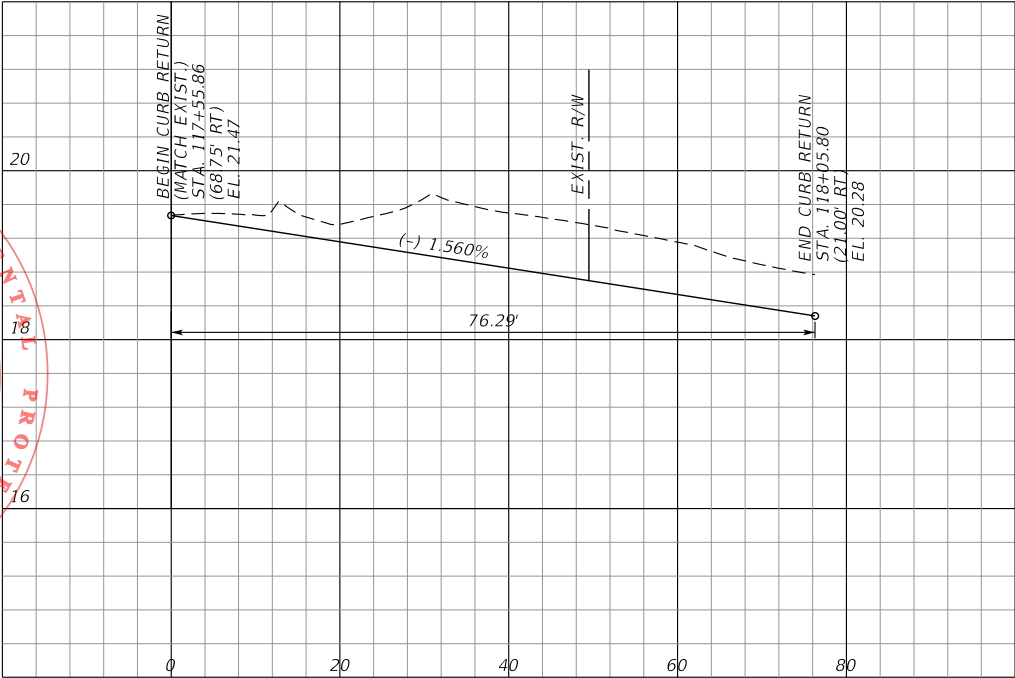


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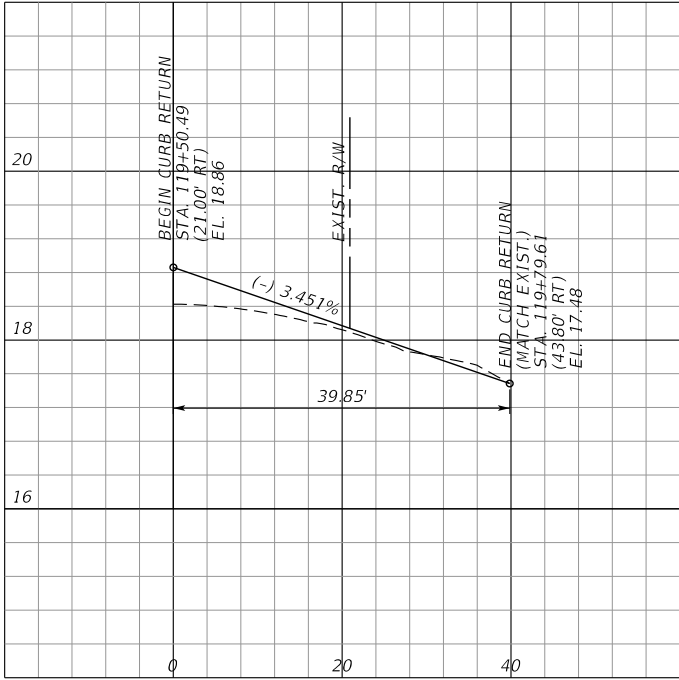
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NW CURB RETURN



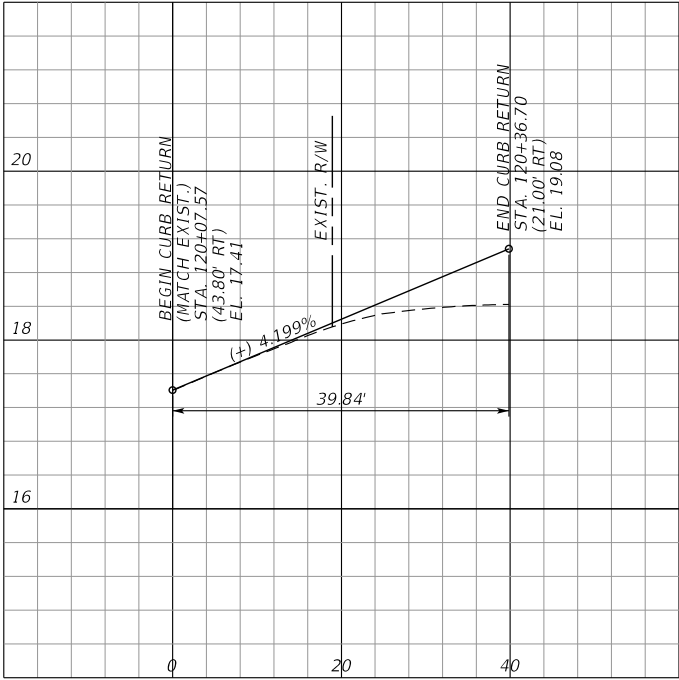
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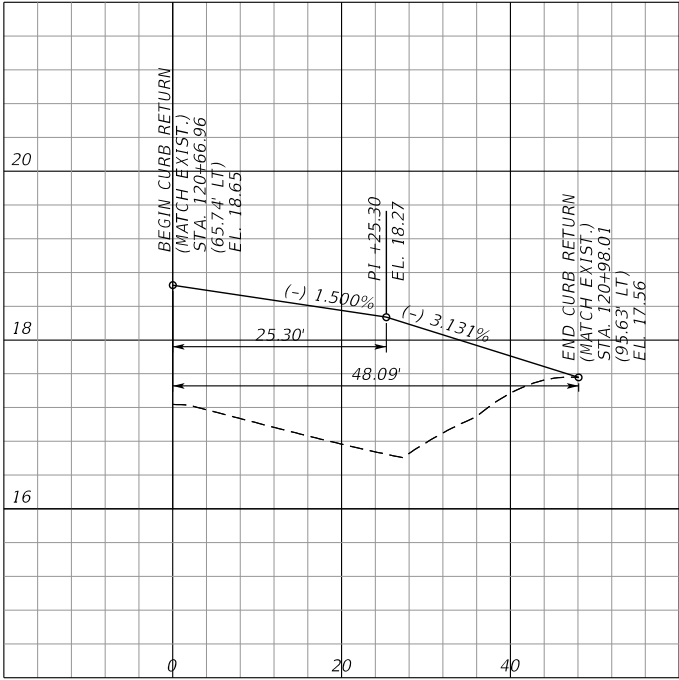
DRIVEWAY STA. 119+93.59
SOUTH CURB RETURN



DRIVEWAY STA. 119+93.59
NORTH CURB RETURN



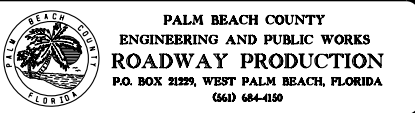
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SOUTH CURB RETURN



SCALE: 1"=20' HORIZ.
1"=2' VERT.

SCALAR CONSULTING GROUP INC.
5713 CORPORATE WAY, SUITE 200
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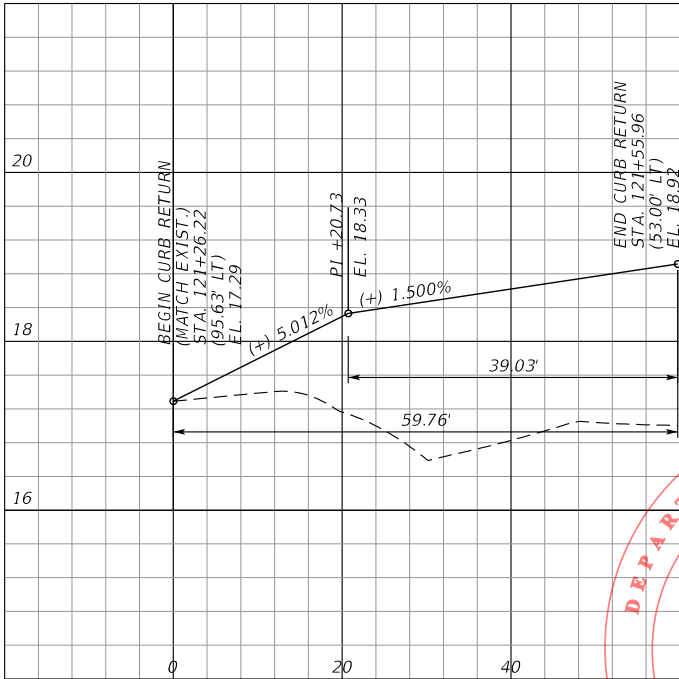
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APPROVED: JOW
DRAWN: DA
CHECKED: SDW
DATE: 8/28/2020

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BENOIST FARMS ROAD
DESIGN FILE NAME: INTPROJ.DGN
DRAWING NO.: 205509

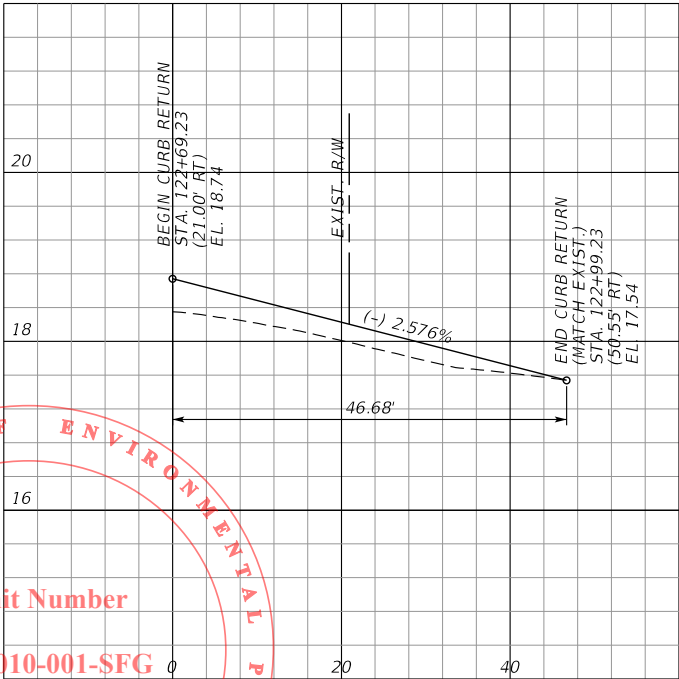
SHEET:
OF:
PROJECT NO. 205509

PERMITS

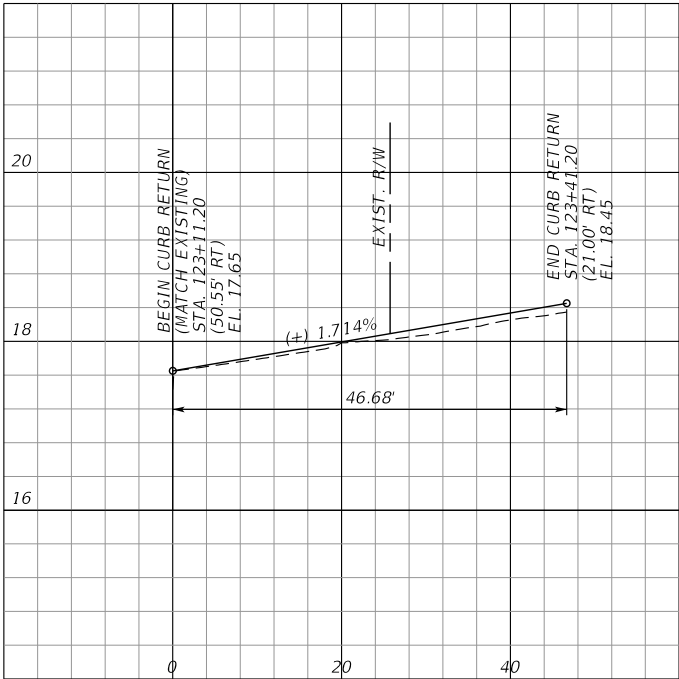
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NORTH CURB RETURN



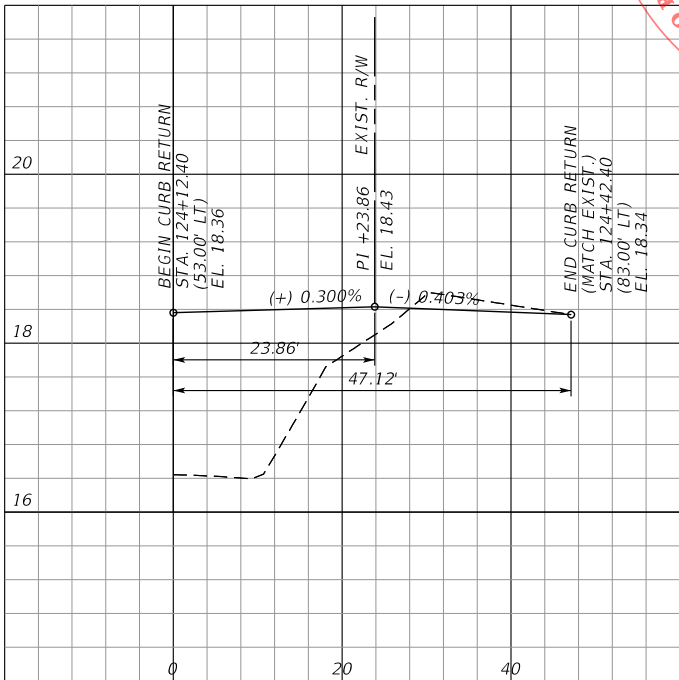
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SOUTH CURB RETURN



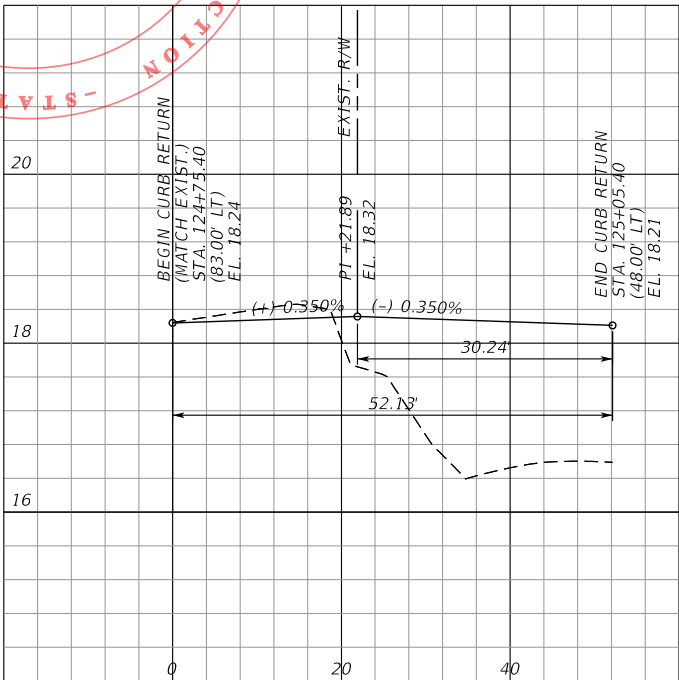
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NORTH CURB RETURN



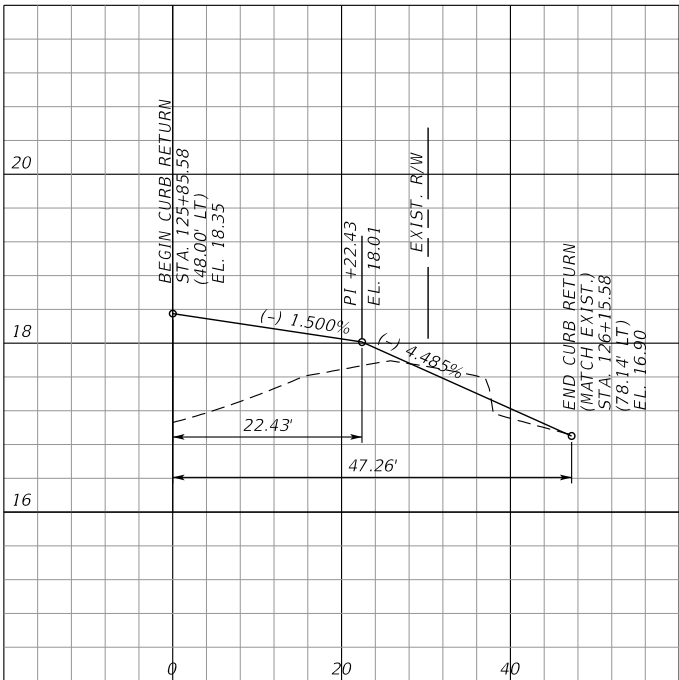
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SOUTH CURB RETURN



DRIVEWAY STA. 124+58.90
NORTH CURB RETURN



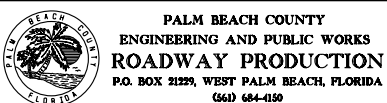
DRIVEWAY STA. 126+28.73
SOUTH CURB RETURN



SCALE: 1"=20' HORIZ.
1"=2' VERT.

SCALAR CONSULTING GROUP INC.
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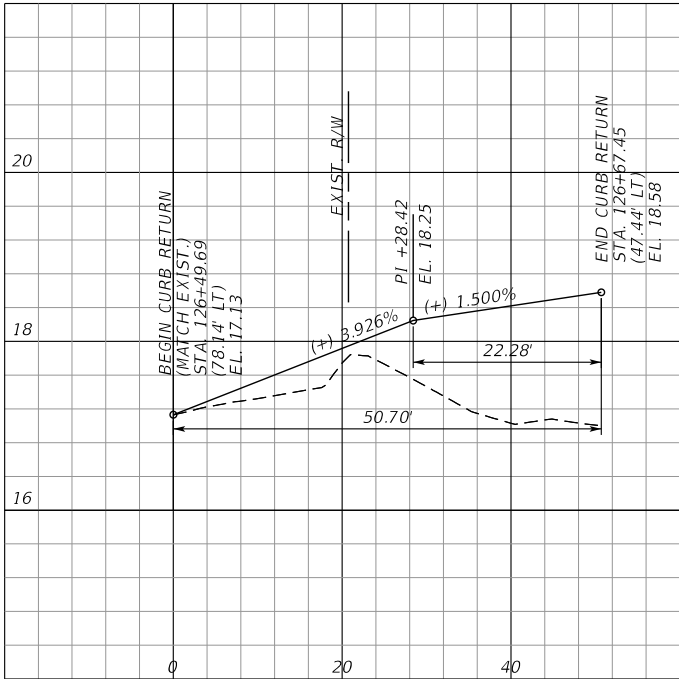
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DRAWN: DA
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DATE: 8/28/2020

CURB RETURN PROFILES (2)
BENOIST FARMS ROAD
DESIGN FILE NAME: INTPROD.DGN
DRAWING NO.:

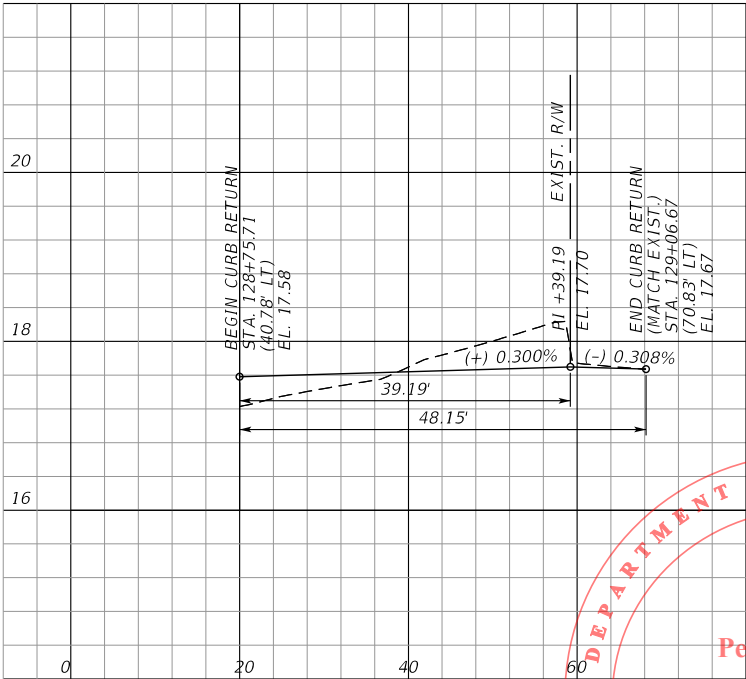
SHEET:
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PERMITS

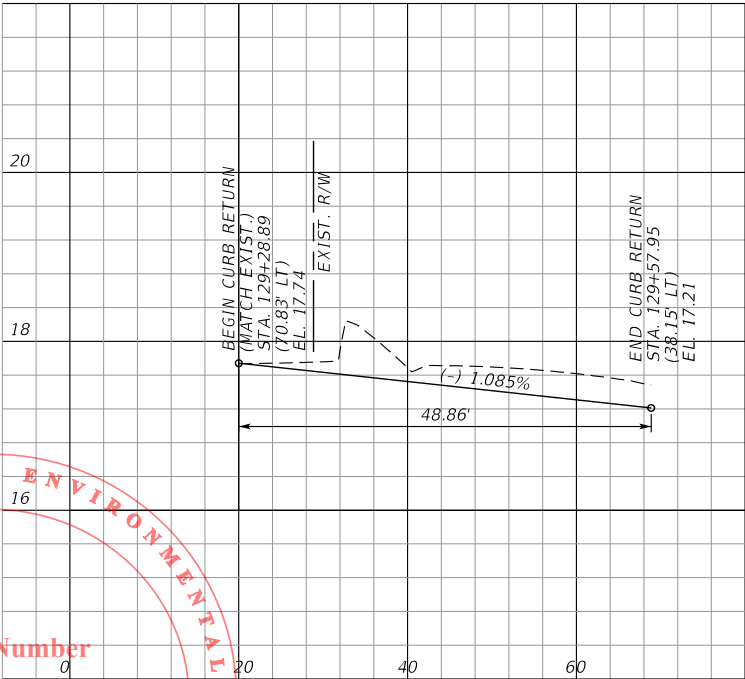
DRIVEWAY STA. 126+28.73
NORTH CURB RETURN



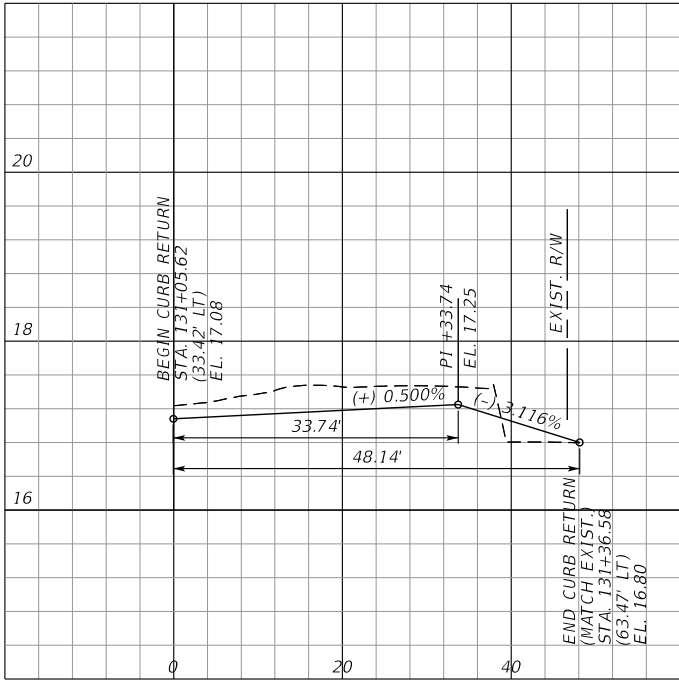
DRIVEWAY STA. 129+17.72
SOUTH CURB RETURN



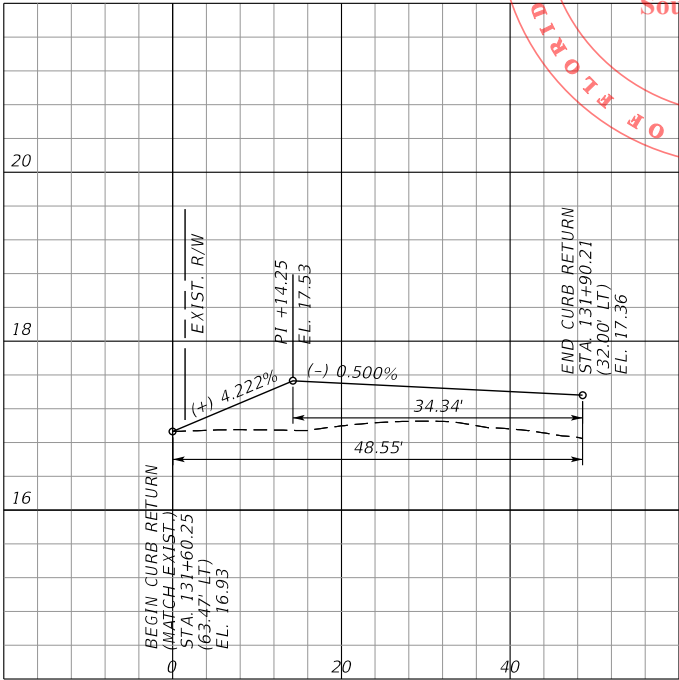
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NORTH CURB RETURN



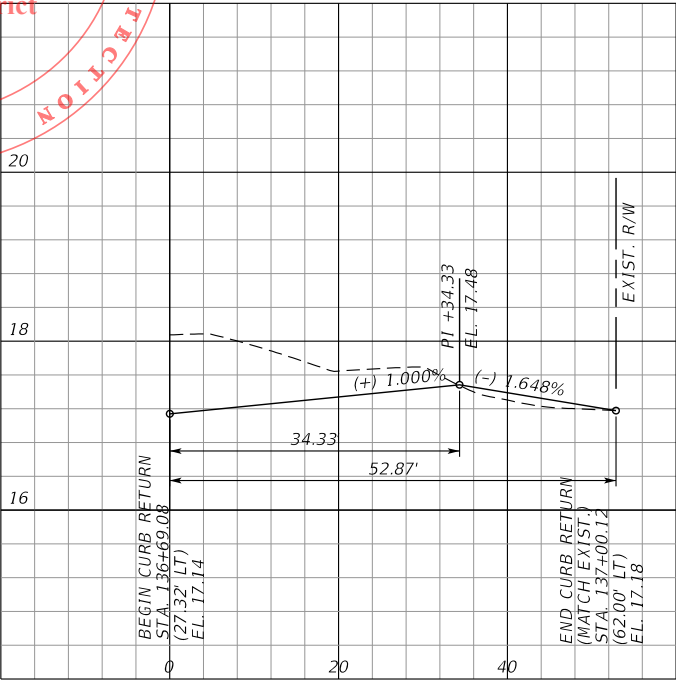
DRIVEWAY STA. 131+48.38
SOUTH CURB RETURN



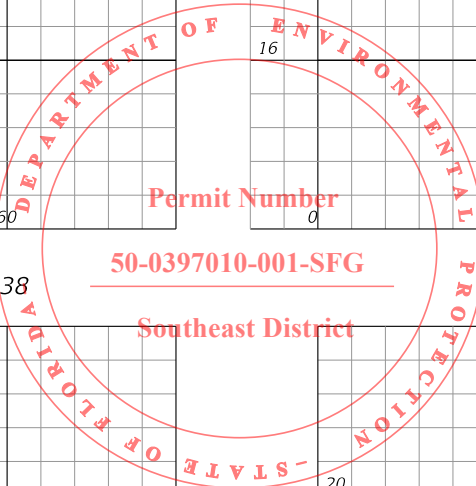
DRIVEWAY STA. 131+48.38
NORTH CURB RETURN



DRIVEWAY STA. 137+11.84
SOUTH CURB RETURN



SCALE: 1"=20' HORIZ.
1"=2' VERT.



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SCALAR CONSULTING GROUP INC.
5713 CORPORATE WAY, SUITE 200
WEST PALM BEACH, FL 33407
TEL. 561-429-5065
JOHN D. WHITAKER, P.E.
P.E. NO.: 68599
VENDOR NO. 451909667

NO.	REVISION	BY	DATE

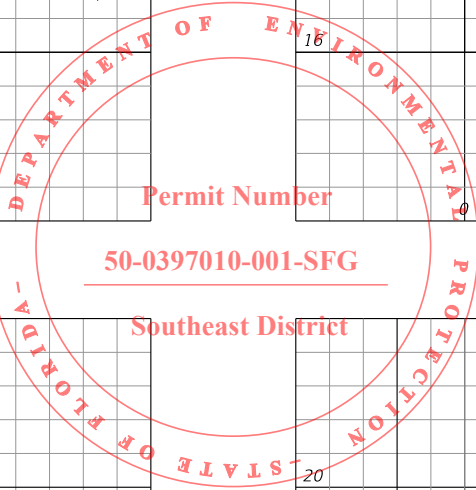
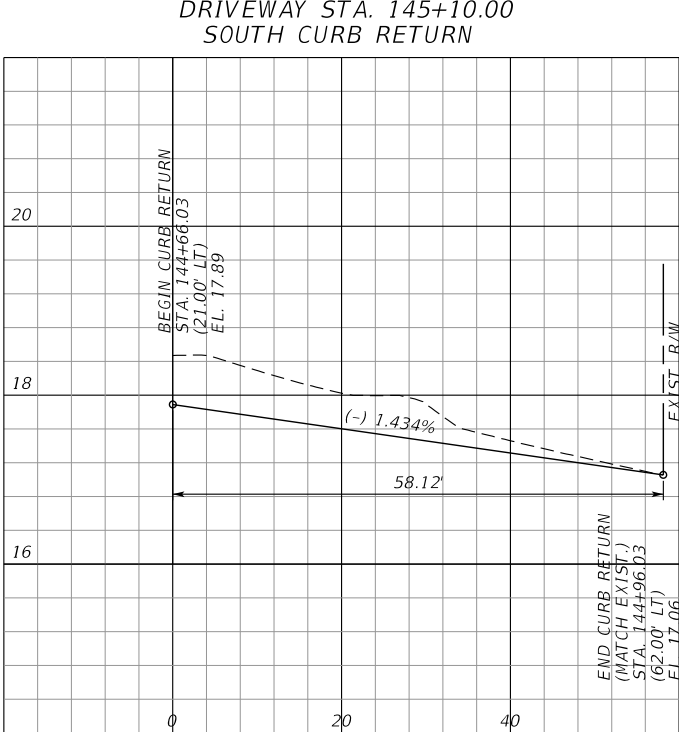
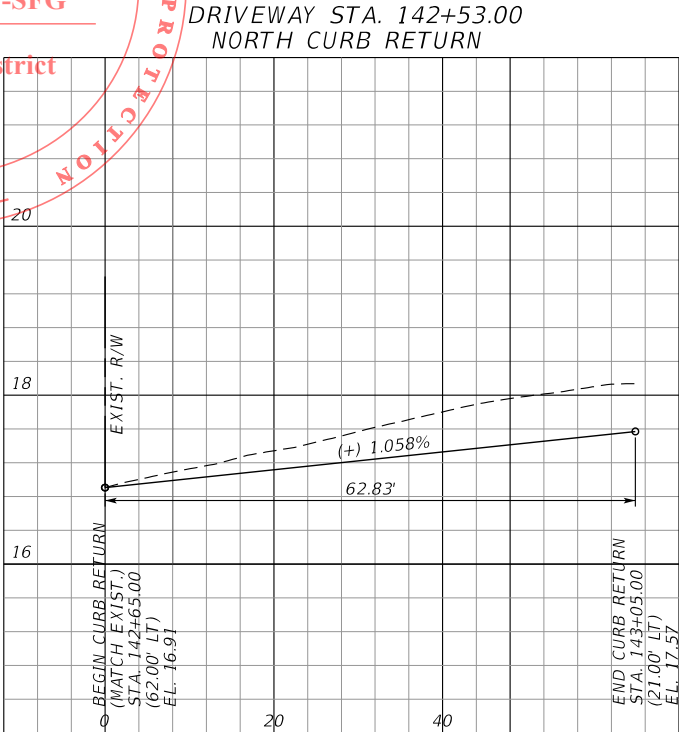
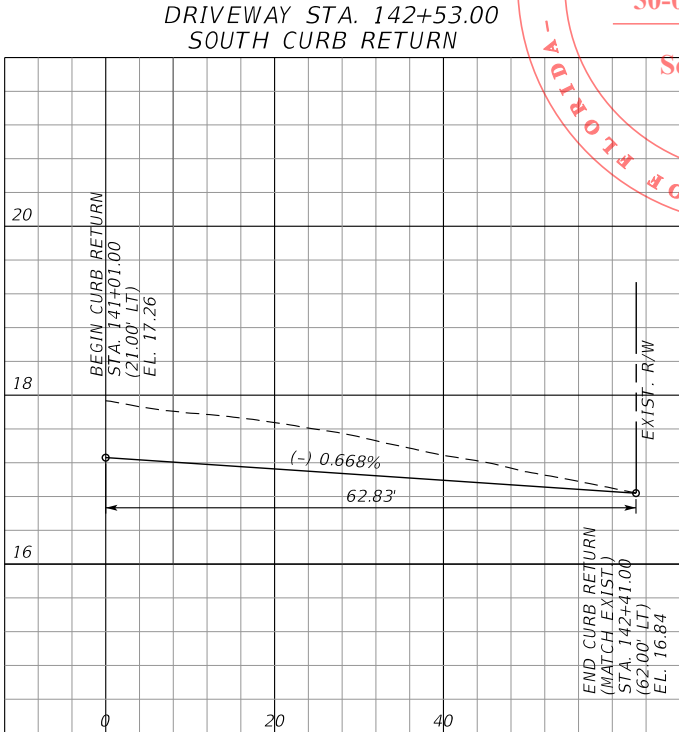
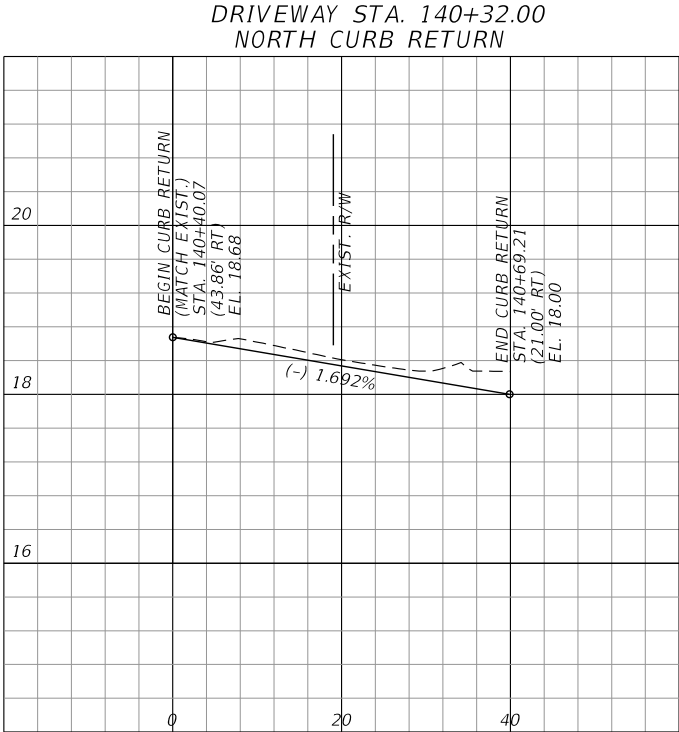
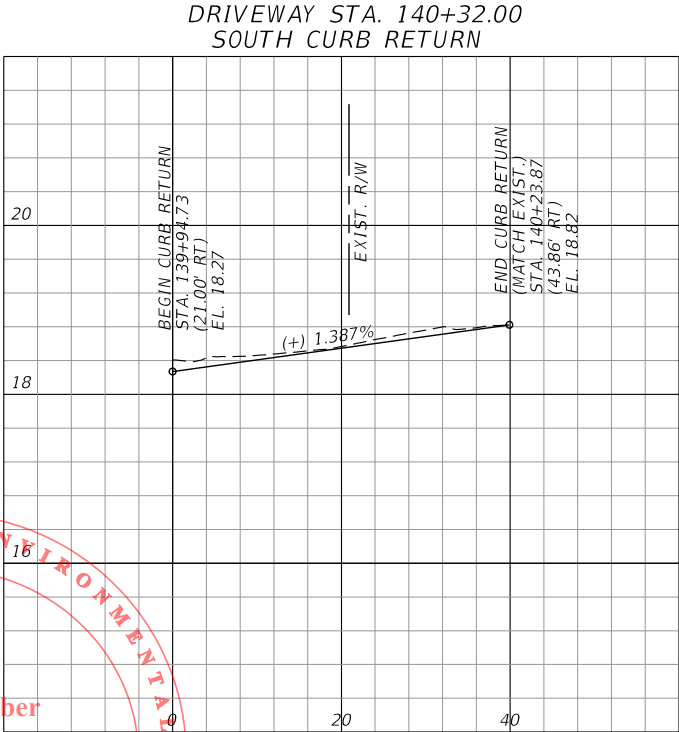
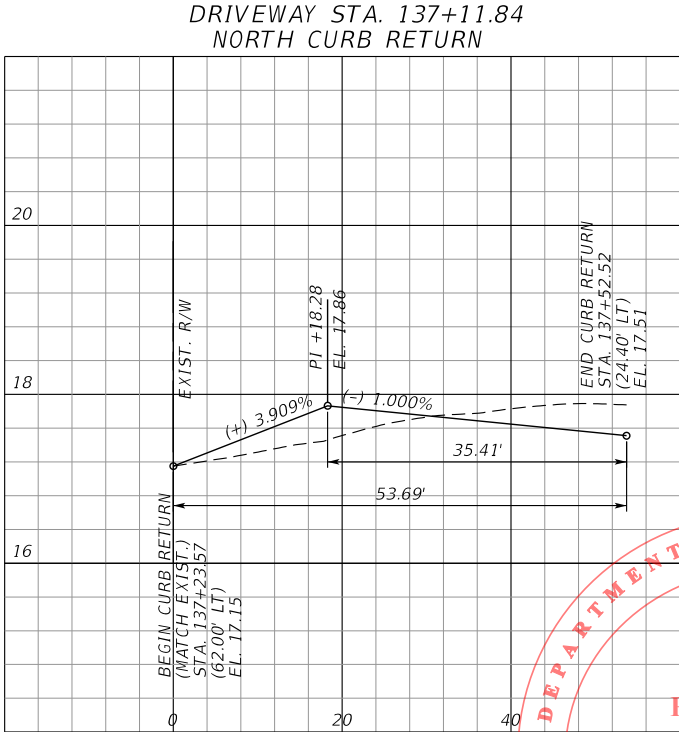


SCALE: 1/20
APPROVED: JOW
DRAWN: DA
CHECKED: SDW
DATE: 8/28/2020

CURB RETURN PROFILES (3)
BENOIST FARMS ROAD
DESIGN FILE NAME: INTPRD.DGN
DRAWING NO.:

SHEET:
OF:
PROJECT NO. 2015509

PERMITS



Permit Number

50-0397010-001-SFG

Southeast District

SCALE: 1"=20' HORIZ.
1"=2' VERT.

SCALAR CONSULTING GROUP INC.
5713 CORPORATE WAY, SUITE 200
WEST PALM BEACH, FL 33407
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JOHN D. WHITAKER, P.E.
P.E. NO.: 68599
VENDOR NO. 451909667

NO.	REVISION	BY	DATE



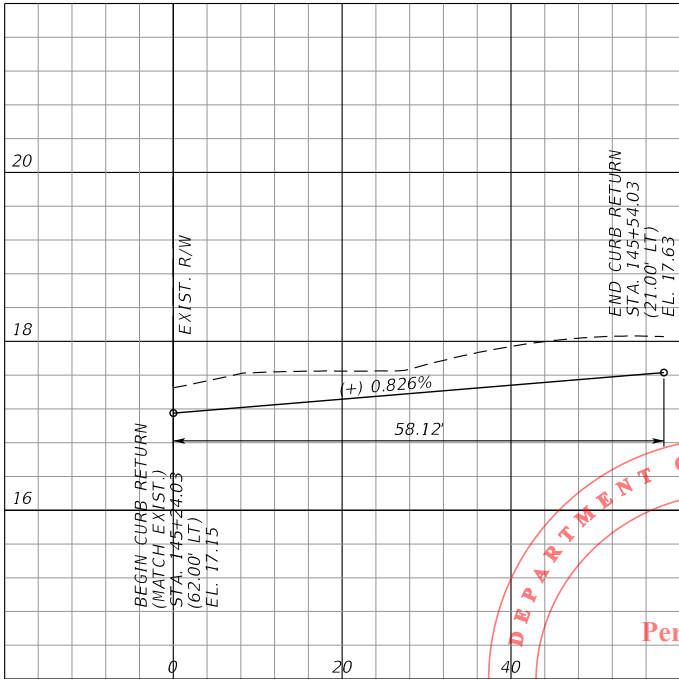
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DATE: 8/28/2020

CURB RETURN PROFILES (4)
BENOIST FARMS ROAD
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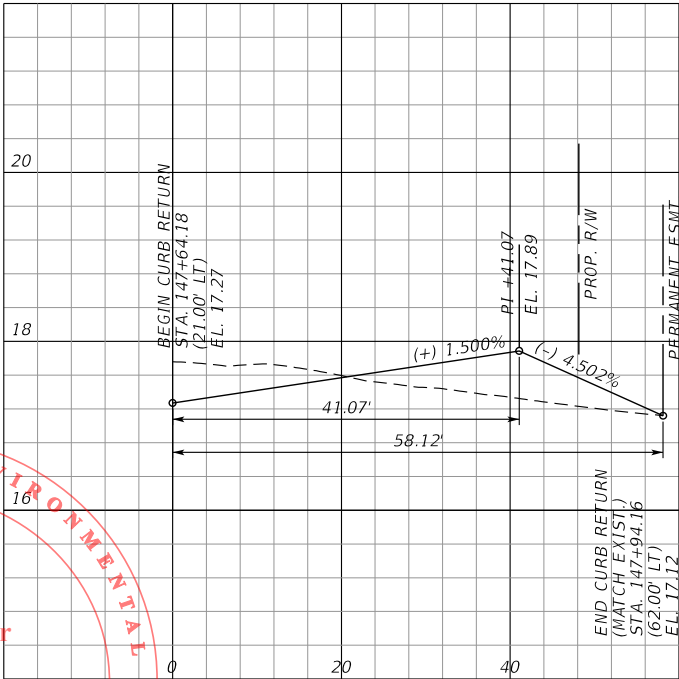
SHEET:
OF:
PROJECT NO.
205509

PERMITS

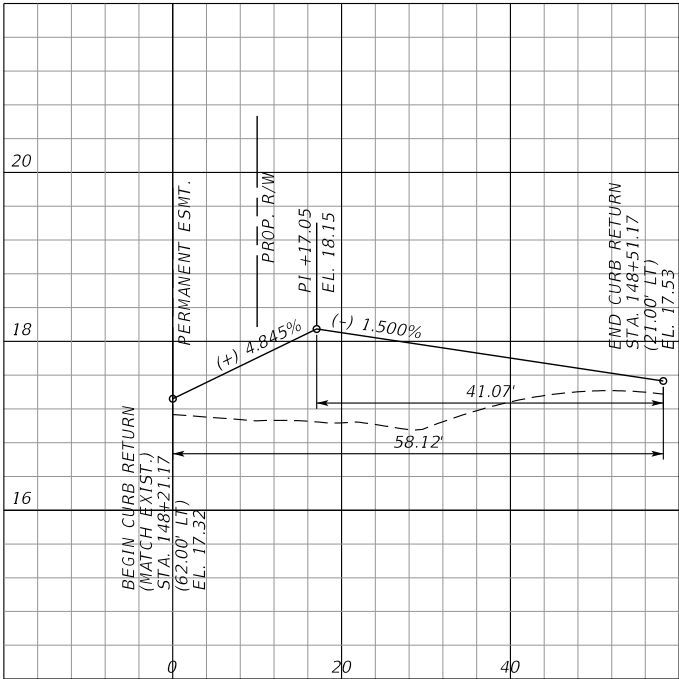
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NORTH CURB RETURN



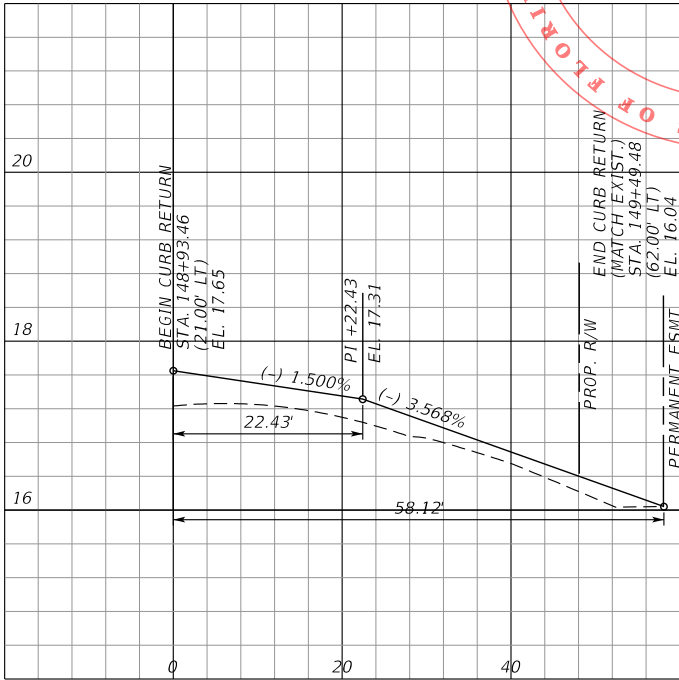
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SOUTH CURB RETURN



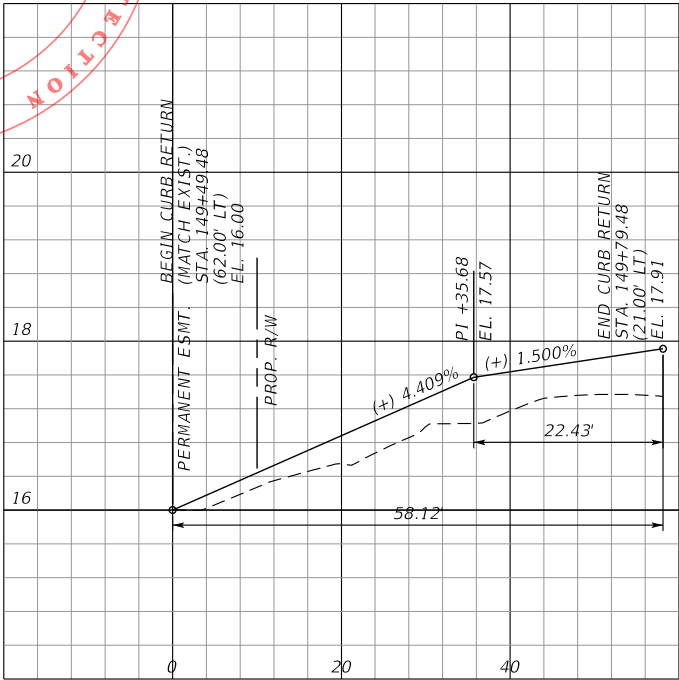
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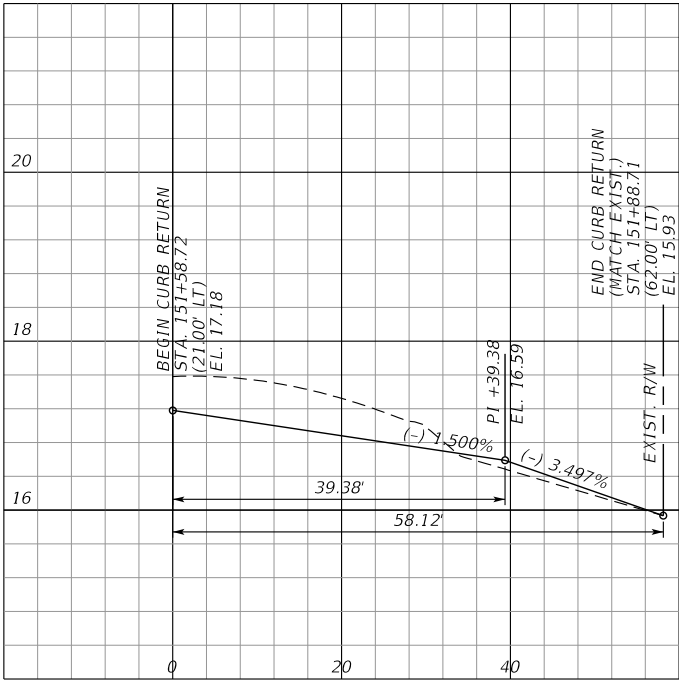
DRIVEWAY STA. 149+36.48
SOUTH CURB RETURN



DRIVEWAY STA. 149+36.48
NORTH CURB RETURN



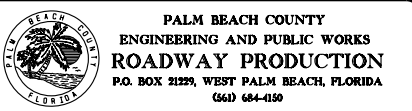
DRIVEWAY STA. 152+03.71
SOUTH CURB RETURN



SCALE: 1"=20' HORIZ.
1"=2' VERT.

SCALAR CONSULTING GROUP INC.
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VENDOR NO. 451909667

NO.	REVISION	BY	DATE



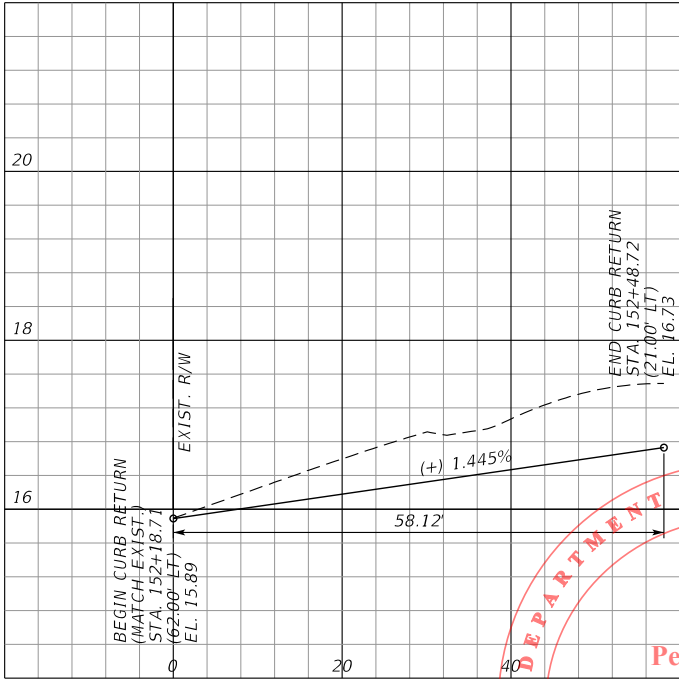
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DRAWN: DA
CHECKED: SDW
DATE: 8/28/2020

CURB RETURN PROFILES (5)
BENOIST FARMS ROAD
DESIGN FILE NAME: INTPROJ.DGN
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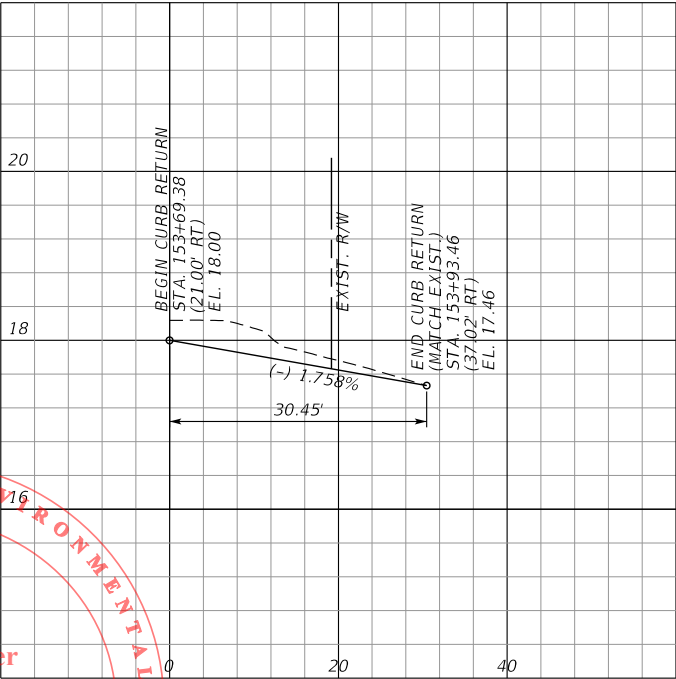
SHEET:
OF:
PROJECT NO. 205509

PERMITS

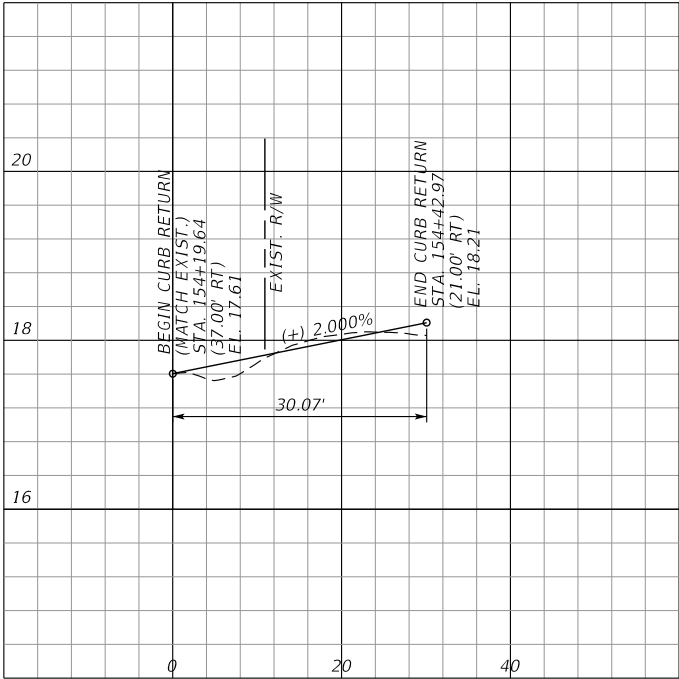
DRIVEWAY STA. 152+03.71
NORTH CURB RETURN



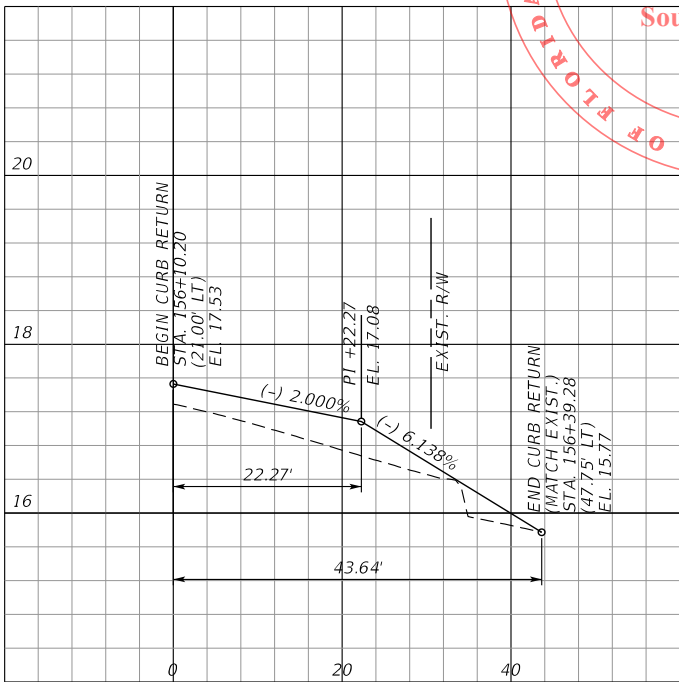
DRIVEWAY STA. 154+06.55
SOUTH CURB RETURN



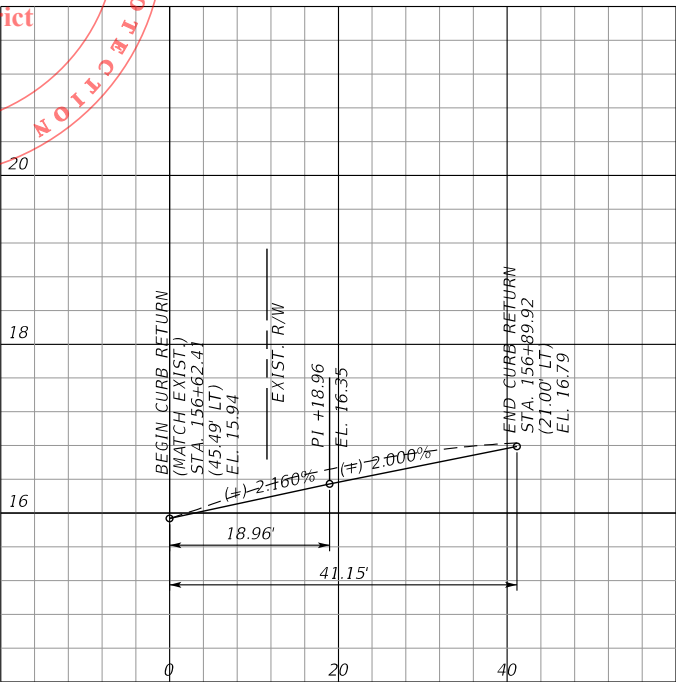
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NORTH CURB RETURN



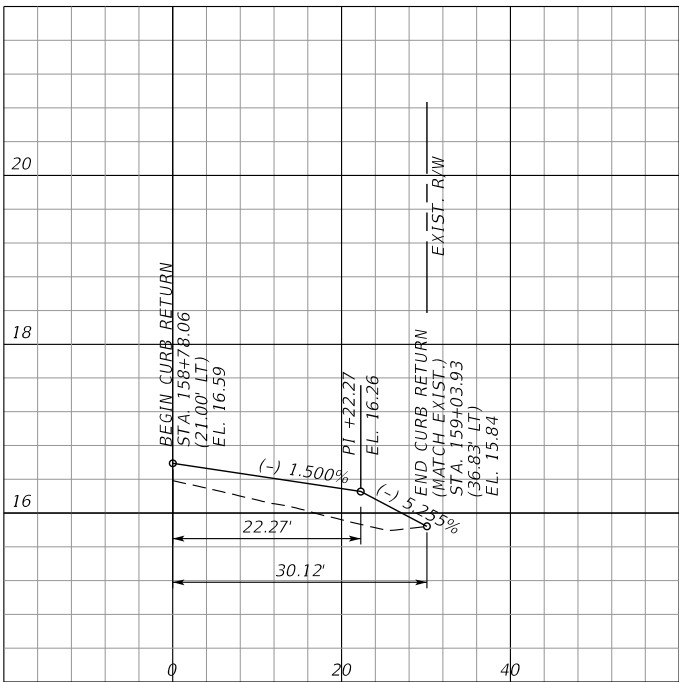
DRIVEWAY STA. 156+49.85
SOUTH CURB RETURN



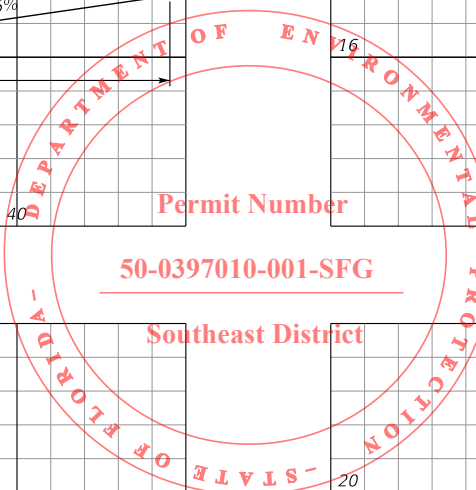
DRIVEWAY STA. 156+49.85
NORTH CURB RETURN



DRIVEWAY STA. 159+24.00
SOUTH CURB RETURN



SCALE: 1"=20' HORIZ.
1"=2' VERT.



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SCALAR CONSULTING GROUP INC.
5713 CORPORATE WAY, SUITE 200
WEST PALM BEACH, FL 33407
TEL. 561-429-5065
JOHN D. WHITAKER, P.E.
P.E. NO.: 68599
VENDOR NO. 451909667

NO.	REVISION	BY	DATE



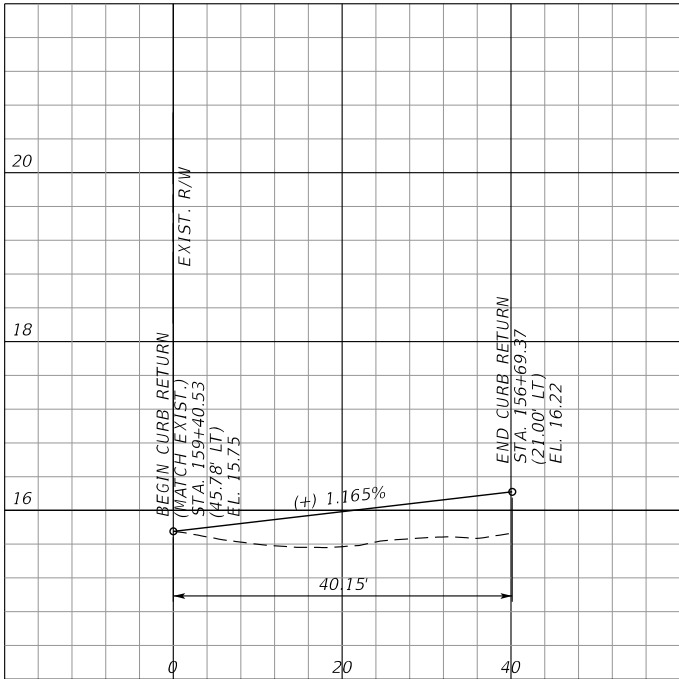
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DRAWN: DA
CHECKED: SDW
DATE: 8/28/2020

CURB RETURN PROFILES (6) BENOIST FARMS ROAD	
DESIGN FILE NAME INTPRD01.DGN	DRAWING NO.

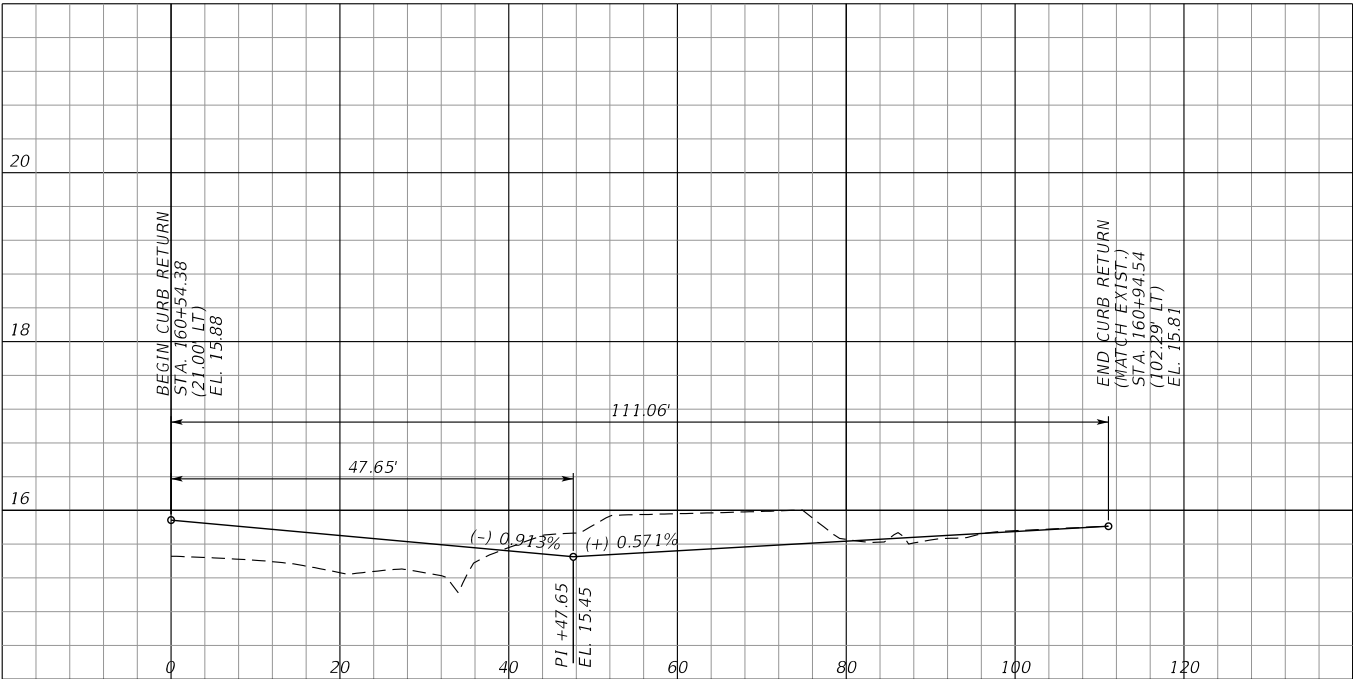
SHEET: OF:	PROJECT NO. 2015509
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PERMITS

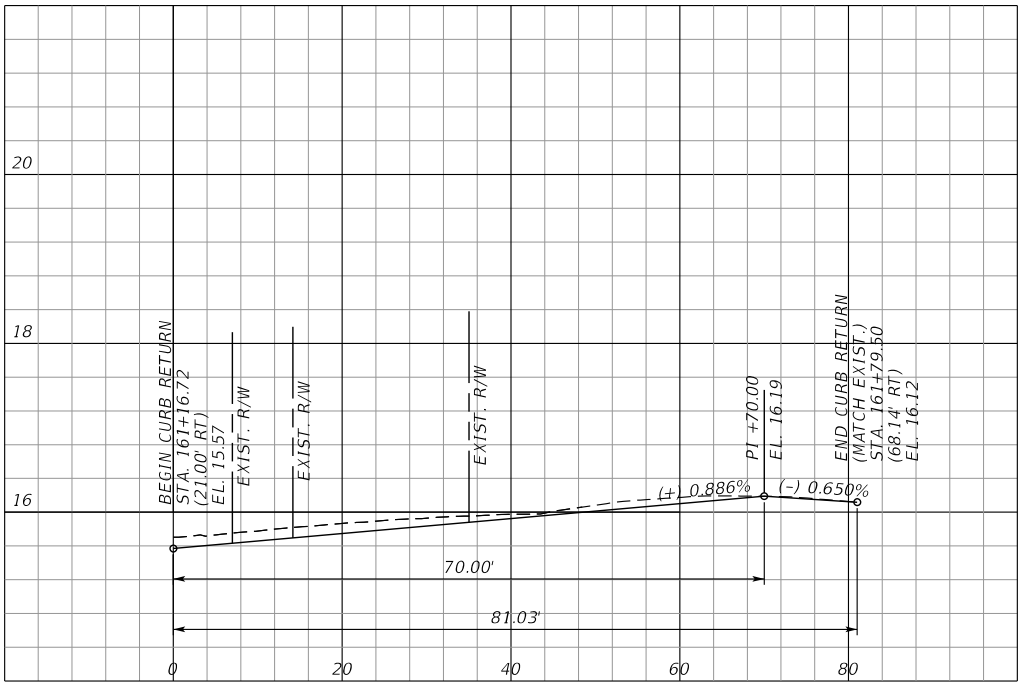
DRIVEWAY STA. 159+24.00
NORTH CURB RETURN



BENOIST FARMS RD. & BELVEDERE RD.
SW CURB RETURN



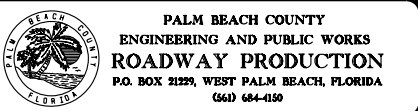
BENOIST FARMS RD. & BELVEDERE RD.
SE CURB RETURN



SCALE: 1"=20' HORIZ.
1"=2' VERT.

SCALAR CONSULTING GROUP INC.
5713 CORPORATE WAY, SUITE 200
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JOHN D. WHITAKER, P.E.
P.E. NO.: 68599
VENDOR NO. 451909667

NO.	REVISION	BY	DATE

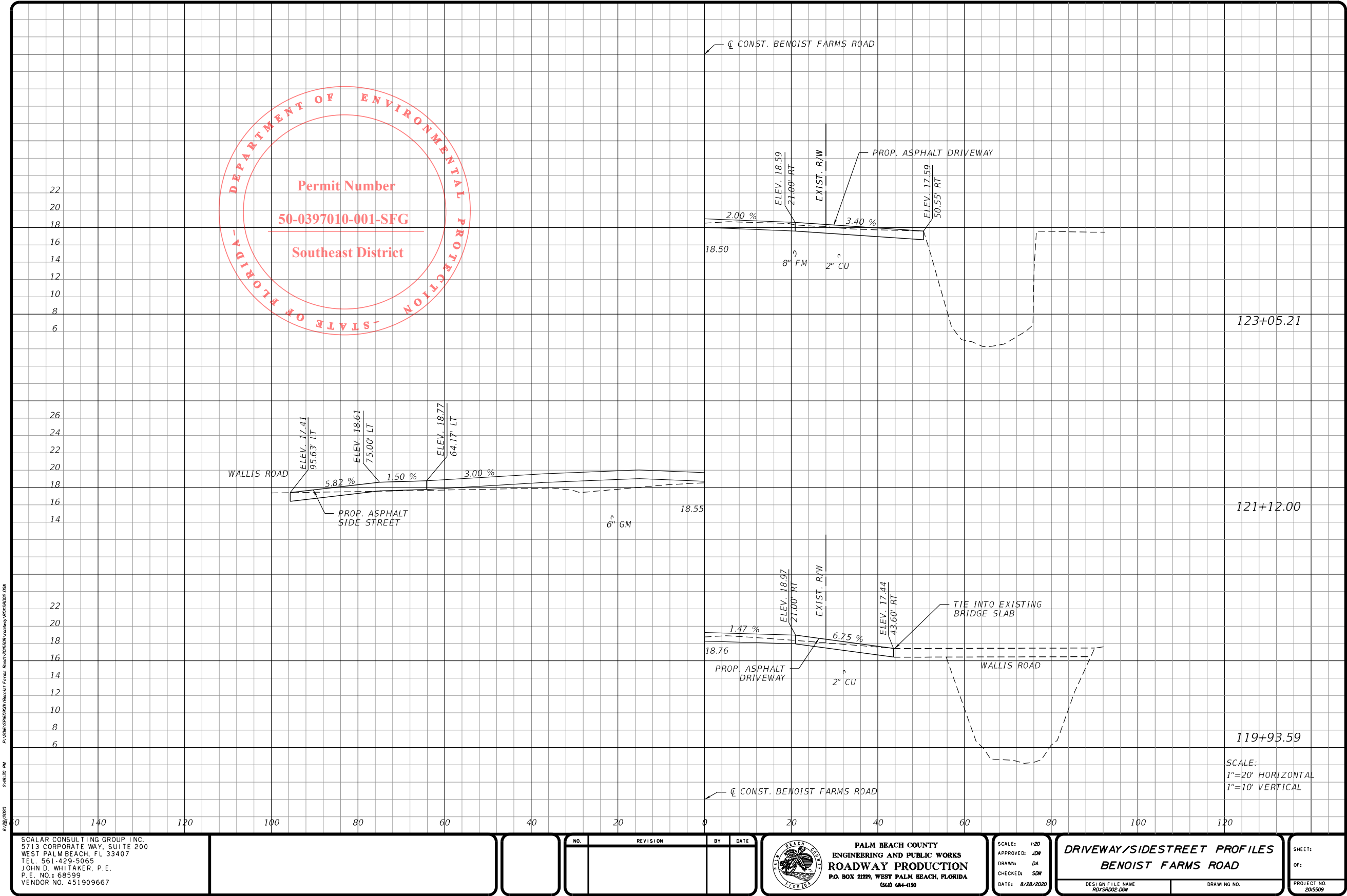


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CHECKED: SDW
DATE: 8/28/2020

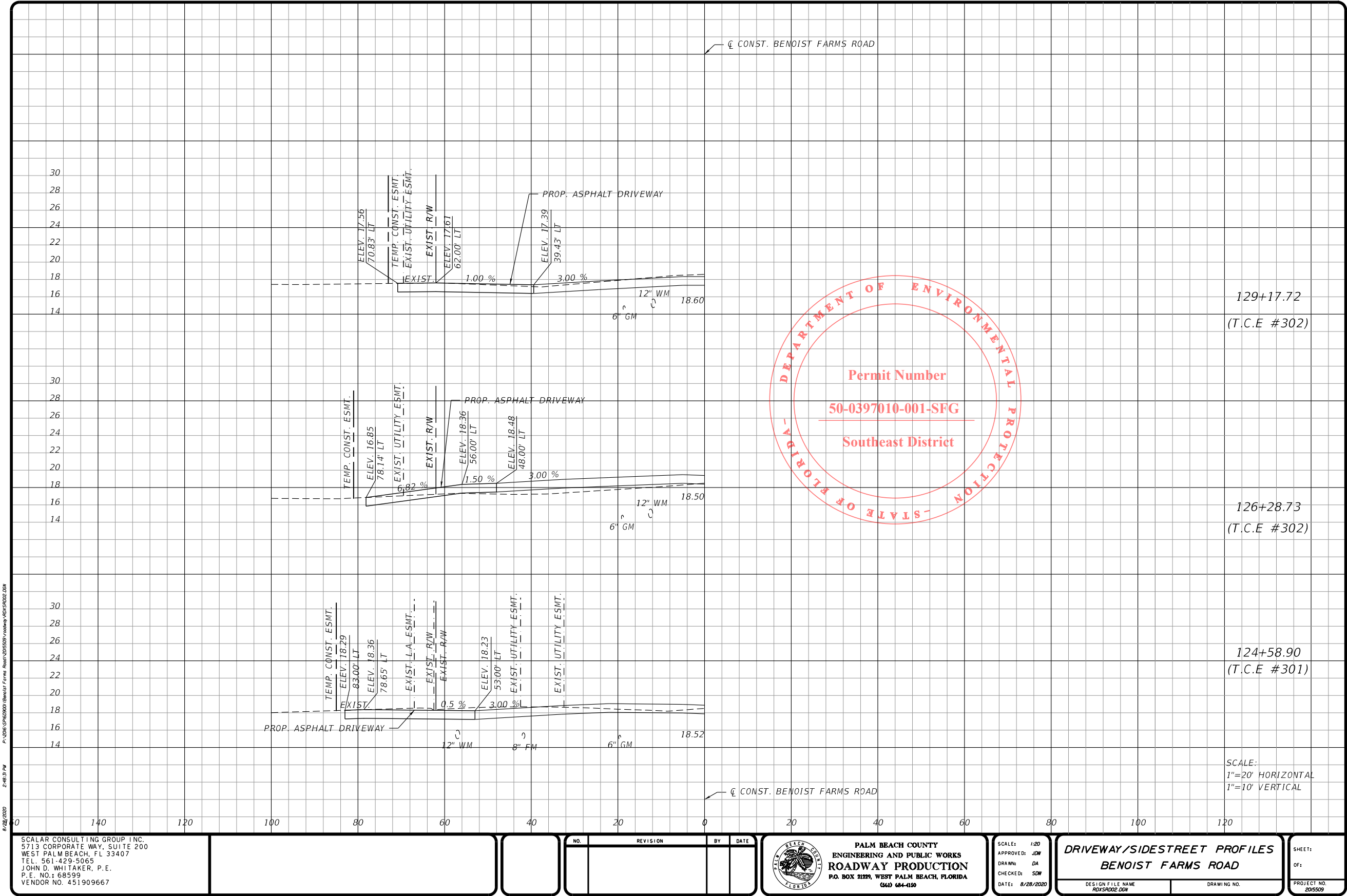
CURB RETURN PROFILES (7)
BENOIST FARMS ROAD
DESIGN FILE NAME: INTPROD.DGN
DRAWING NO.

SHEET:
OF:
PROJECT NO. 205509

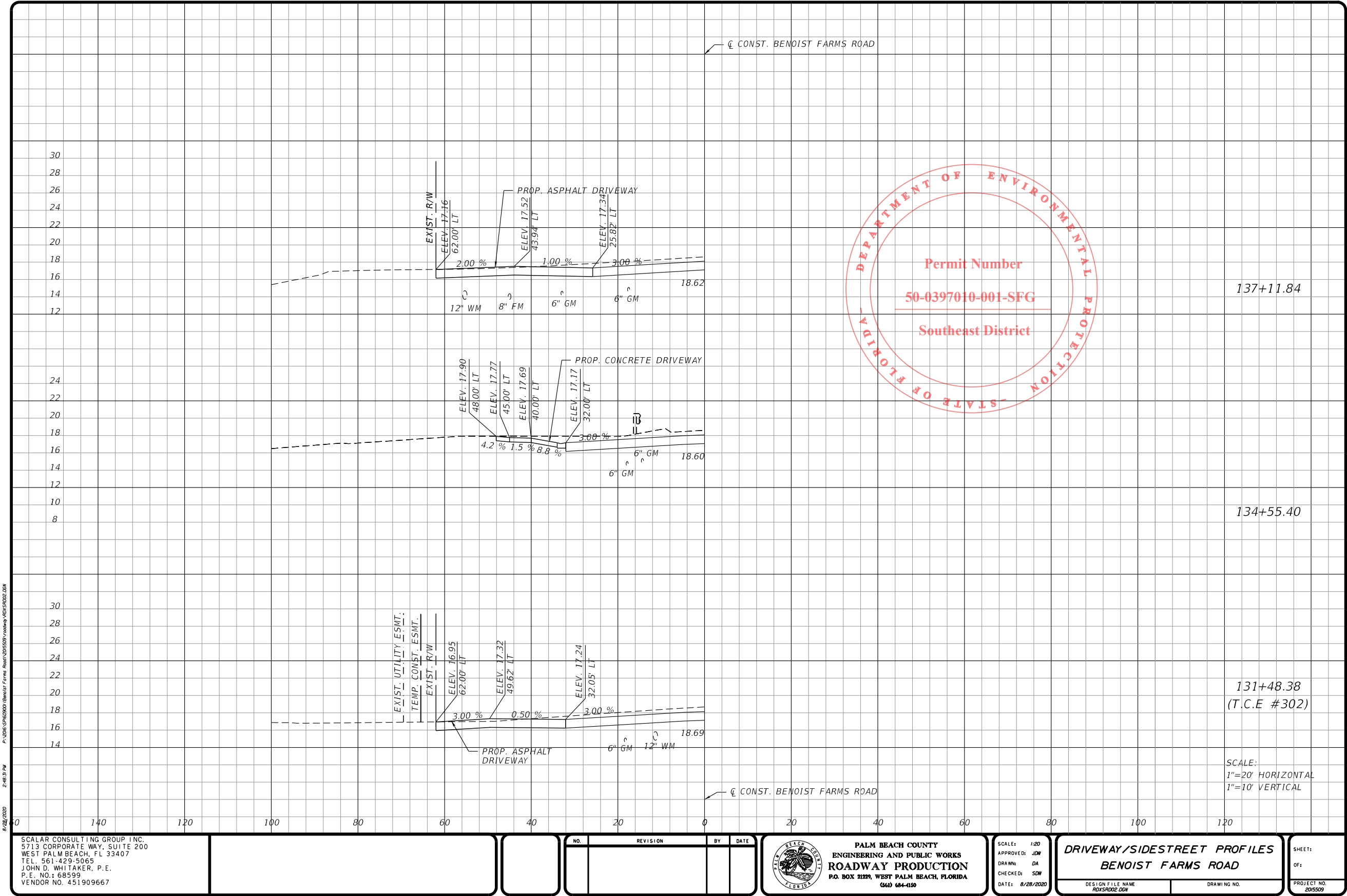
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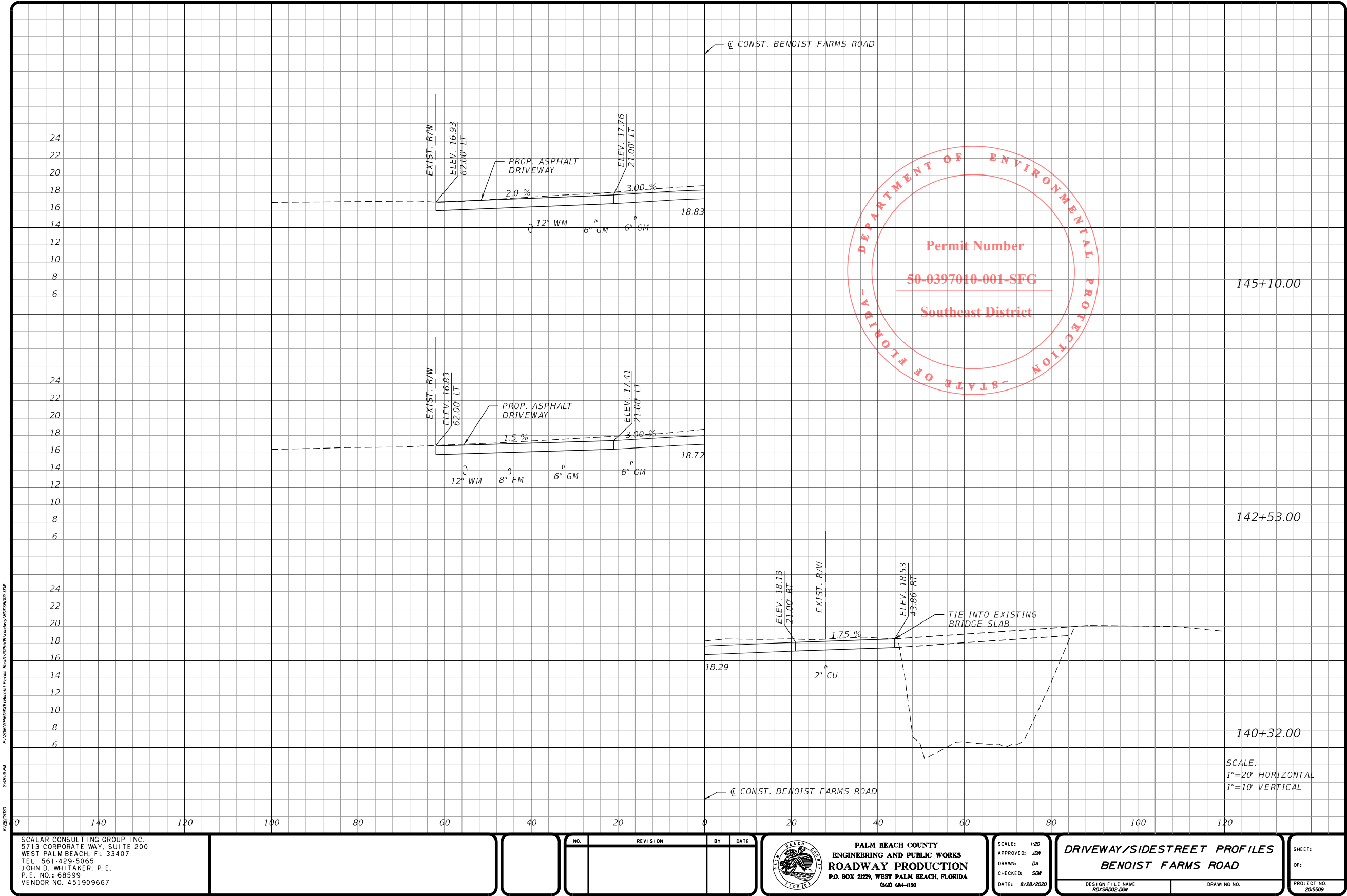
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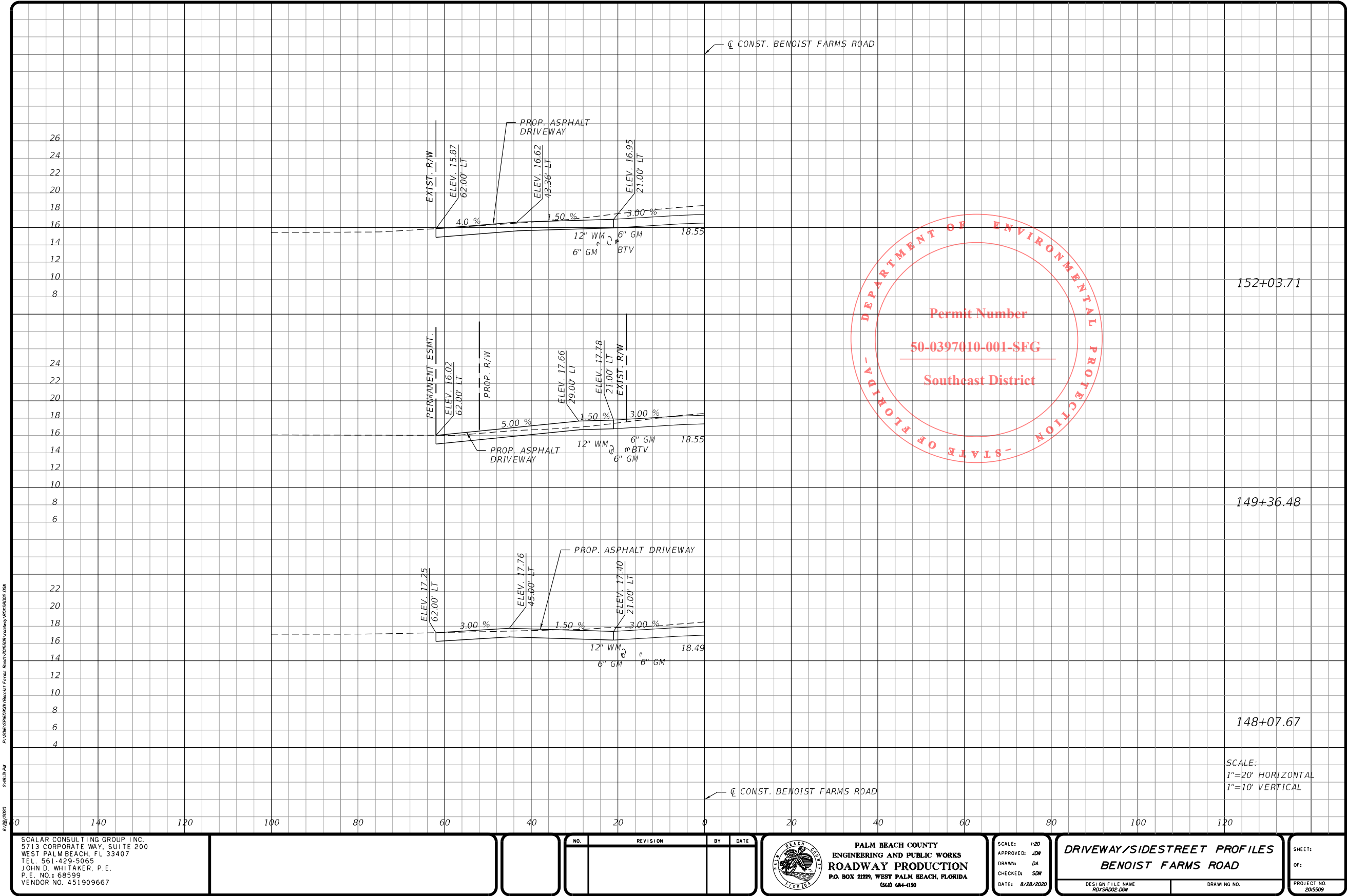
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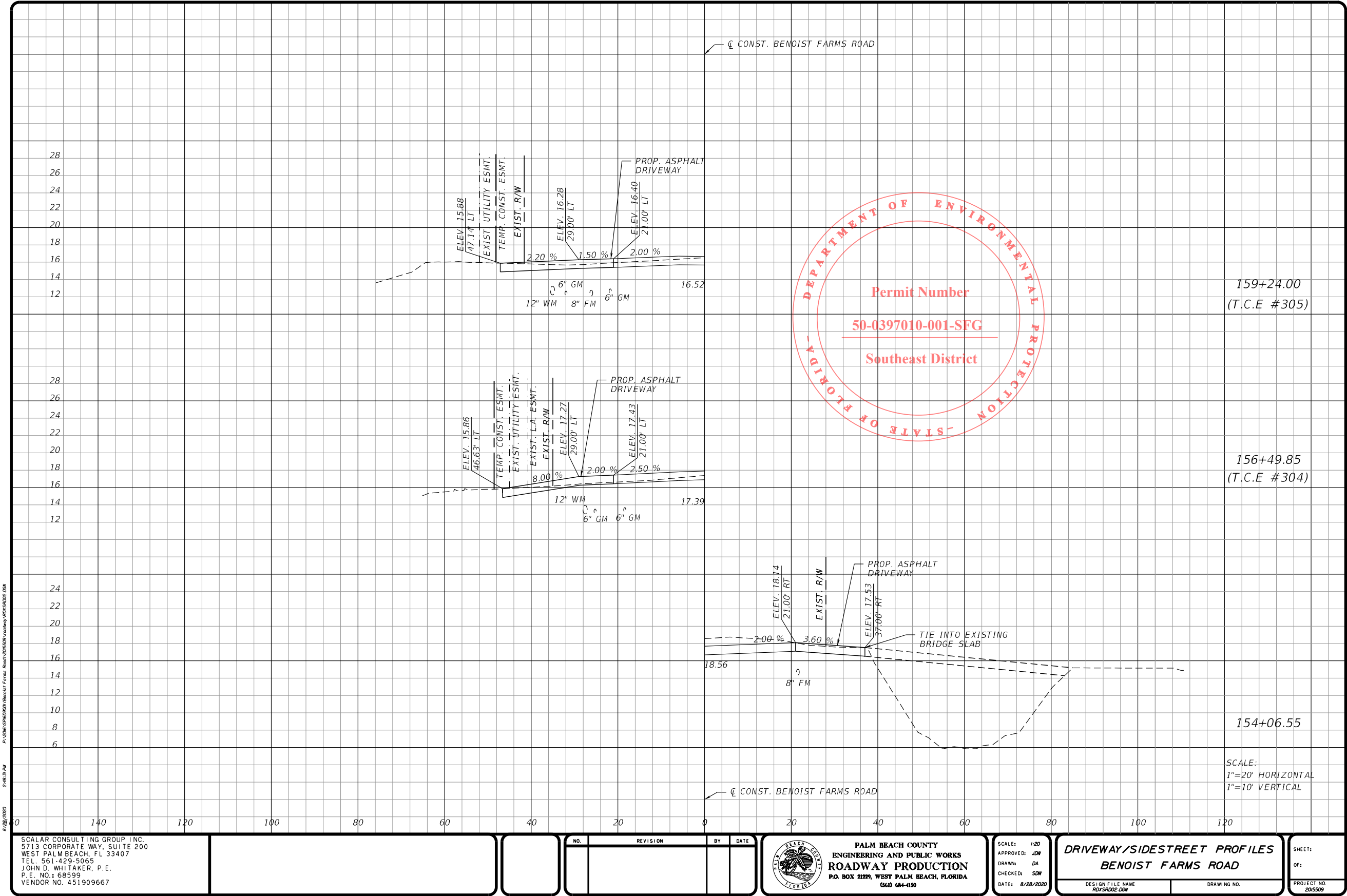
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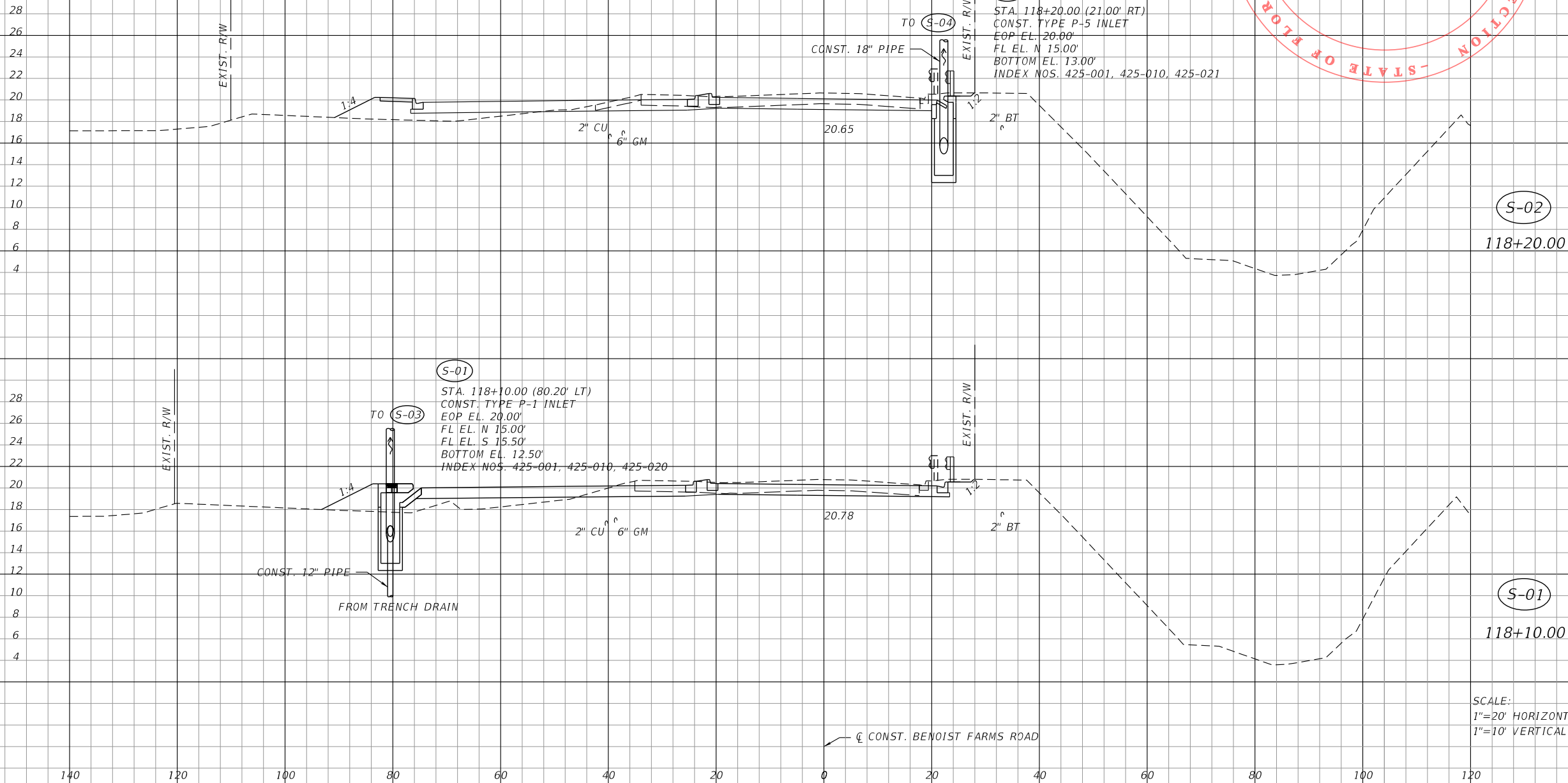
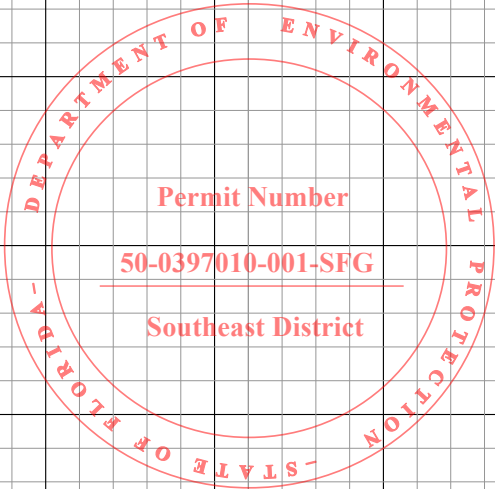


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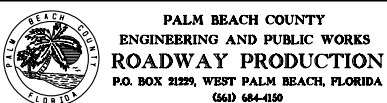
- NOTES:
1. SPECIAL ATTENTION IS DIRECTED TO THE FACT THAT PORTIONS OF SOME DRAINAGE STRUCTURES EXTEND INTO THE STABILIZED PORTION OF THE ROADBED AND EXTREME CAUTION WILL BE NECESSARY IN STABILIZATION OPERATIONS AT THESE LOCATIONS.
 2. THE CONTRACTOR IS TO FIELD VERIFY THE LOCATIONS AND ELEVATIONS OF ALL EXISTING DRAINAGE STRUCTURES AND PIPES PRIOR TO ORDERING, CASTING, OR PLACING PROPOSED DRAINAGE STRUCTURES TO ACCOMMODATE FIELD CONDITIONS.
 3. SOME OF THE DRAINAGE STRUCTURES MAY NEED TO BE CONSTRUCTED IN PHASES, CONSTRUCT THE REQUIRED LENGTH PER PHASE, TEMPORARY PLUGGING THE PIPE UNTIL THE NEXT PHASE.
 4. CONNECTIONS TO EXISTING PIPE SHALL MATCH EXISTING GRADE. FLOWLINE CALLOUTS IN THE PLANS WERE INTERPOLATED FROM THE CURRENT SURVEY AND MAY NOT EXACTLY MATCH FIELD CONDITIONS.
 5. THE CONCRETE DITCH PAVEMENT DETAILED IN THE ROADWAY PLAN SHEETS IS INCLUDED FOR GRAPHICAL PURPOSES ONLY. CONSTRUCT THE PAVEMENT PER THE DRAINAGE STRUCTURE DETAILS.
 6. THE PROPOSED CONCRETE DITCH PAVEMENT ASSOCIATED WITH THE PROPOSED CLOSED FLUMES IS TO BE PAID FOR UNDER THE ASSOCIATED CLOSED FLUME. THE REQUIRED AMOUNT OF CONCRETE DITCH PAVEMENT HAS BEEN INCLUDED IN THE SUMMARY OF DRAINAGE STRUCTURES SHEETS.



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8/28/2020

SCALAR CONSULTING GROUP INC.
5713 CORPORATE WAY, SUITE 200
WEST PALM BEACH, FL 33407
TEL. 561-429-5065
JOHN D. WHITAKER, P.E.
P.E. NO.: 68599
VENDOR NO. 451909667

NO.	REVISION	BY	DATE



SCALE: 1/20
APPROVED: JDW
DRAWN: DA
CHECKED: SDW
DATE: 8/28/2020

DRAINAGE STRUCTURES
BENOIST FARMS ROAD

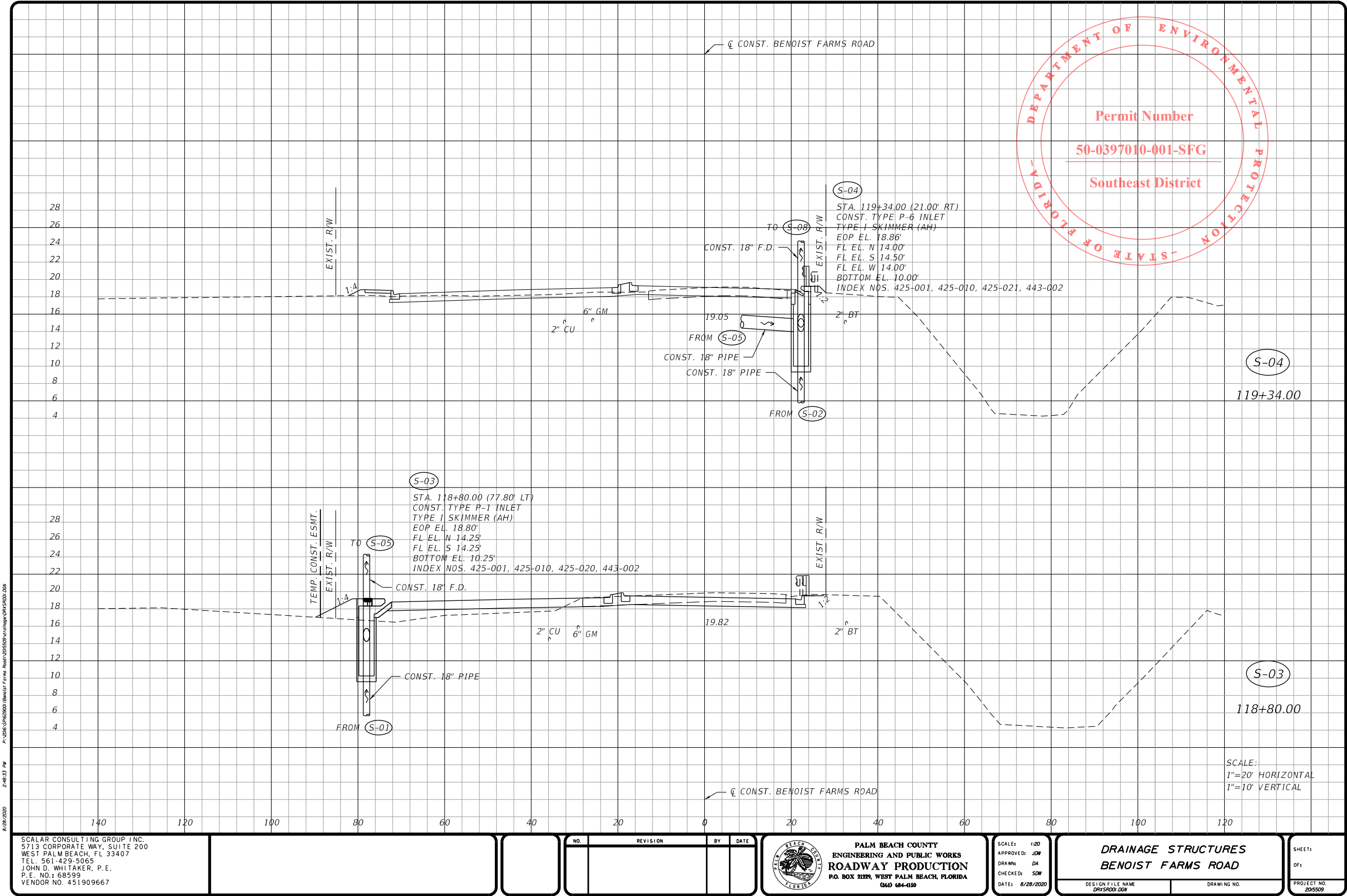
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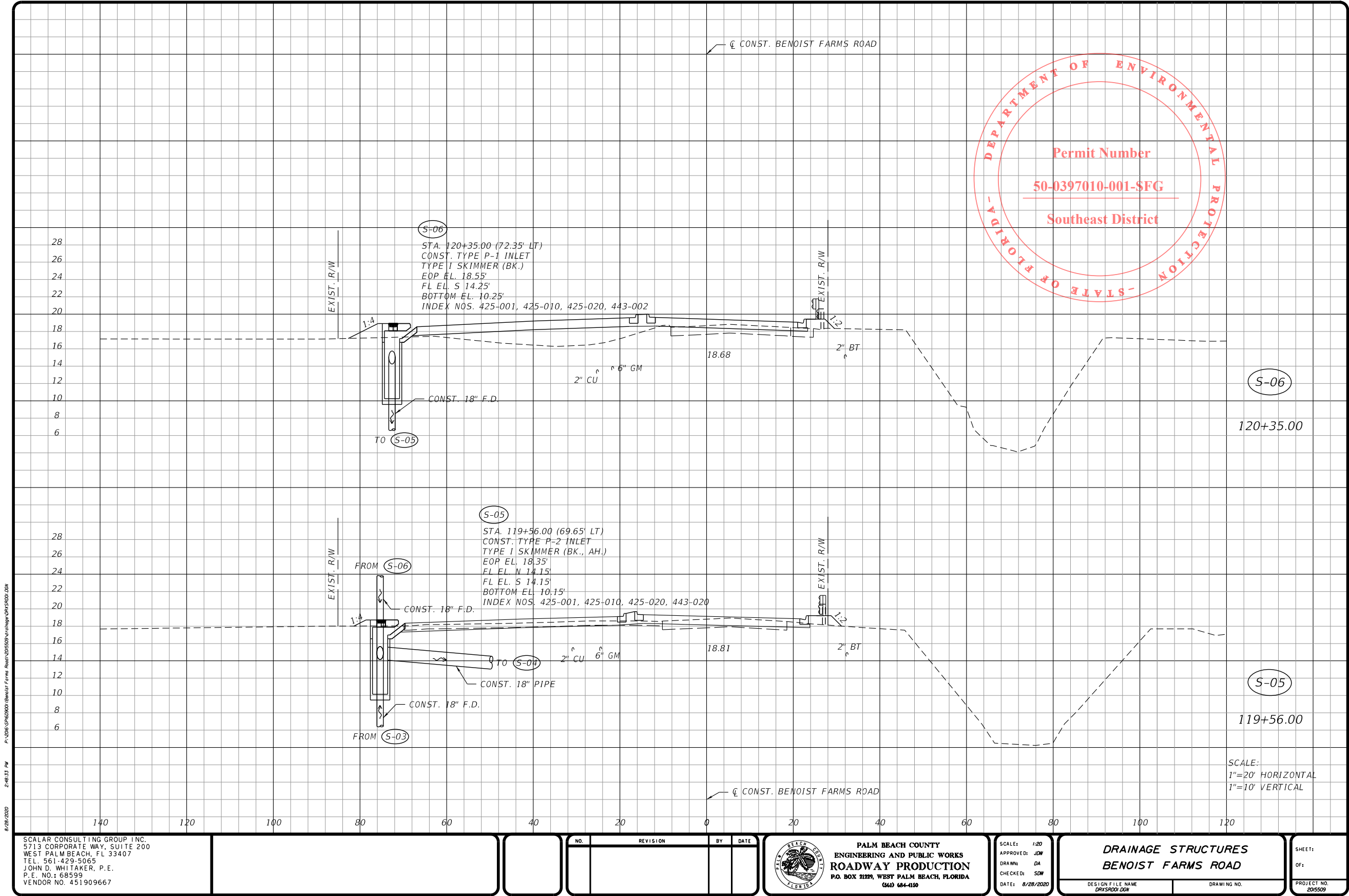
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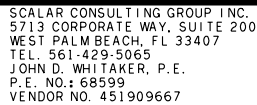
PROJECT NO. 2015509

PERMITS



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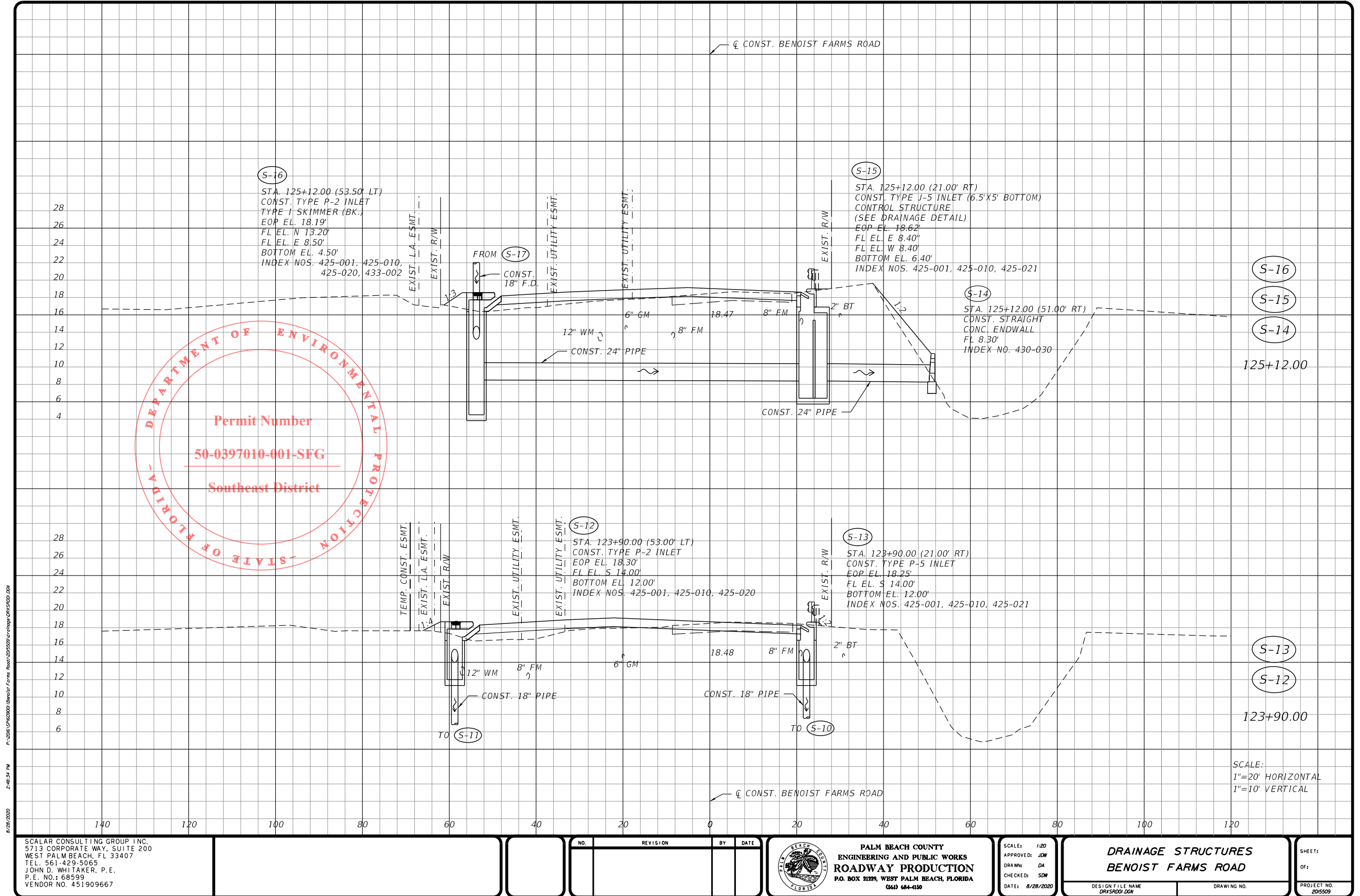
PER-247

PALM BEACH COUNTY
ENGINEERING AND PUBLIC WORKS
ROADWAY PRODUCTION
 P.O. BOX 21229, WEST PALM BEACH, FLORIDA
 (561) 684-4150

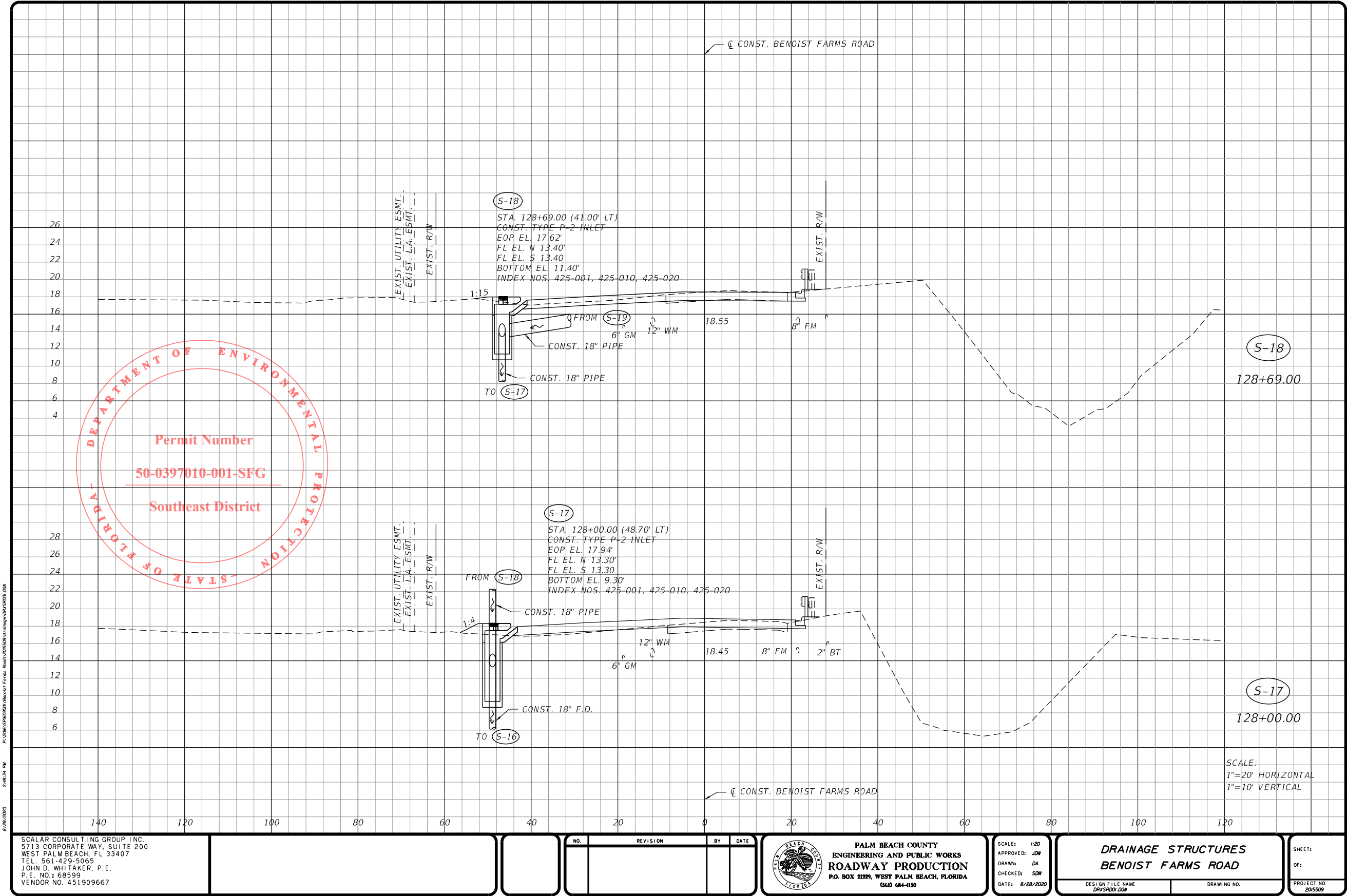
*DRAINAGE STRUCTURES
BENOIST FARMS ROAD*

SHEET:
OF:
PROJECT NO.
2015509

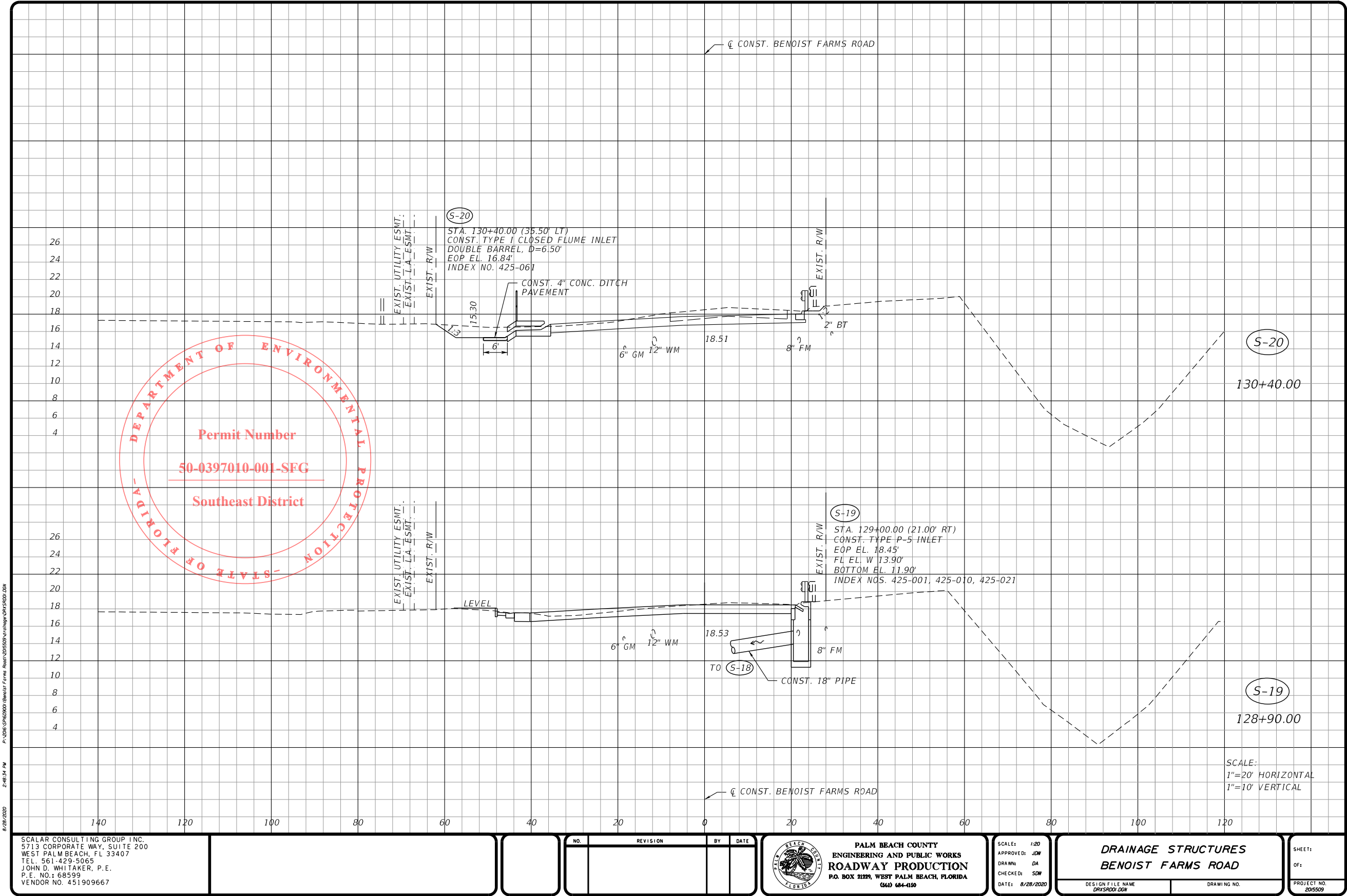
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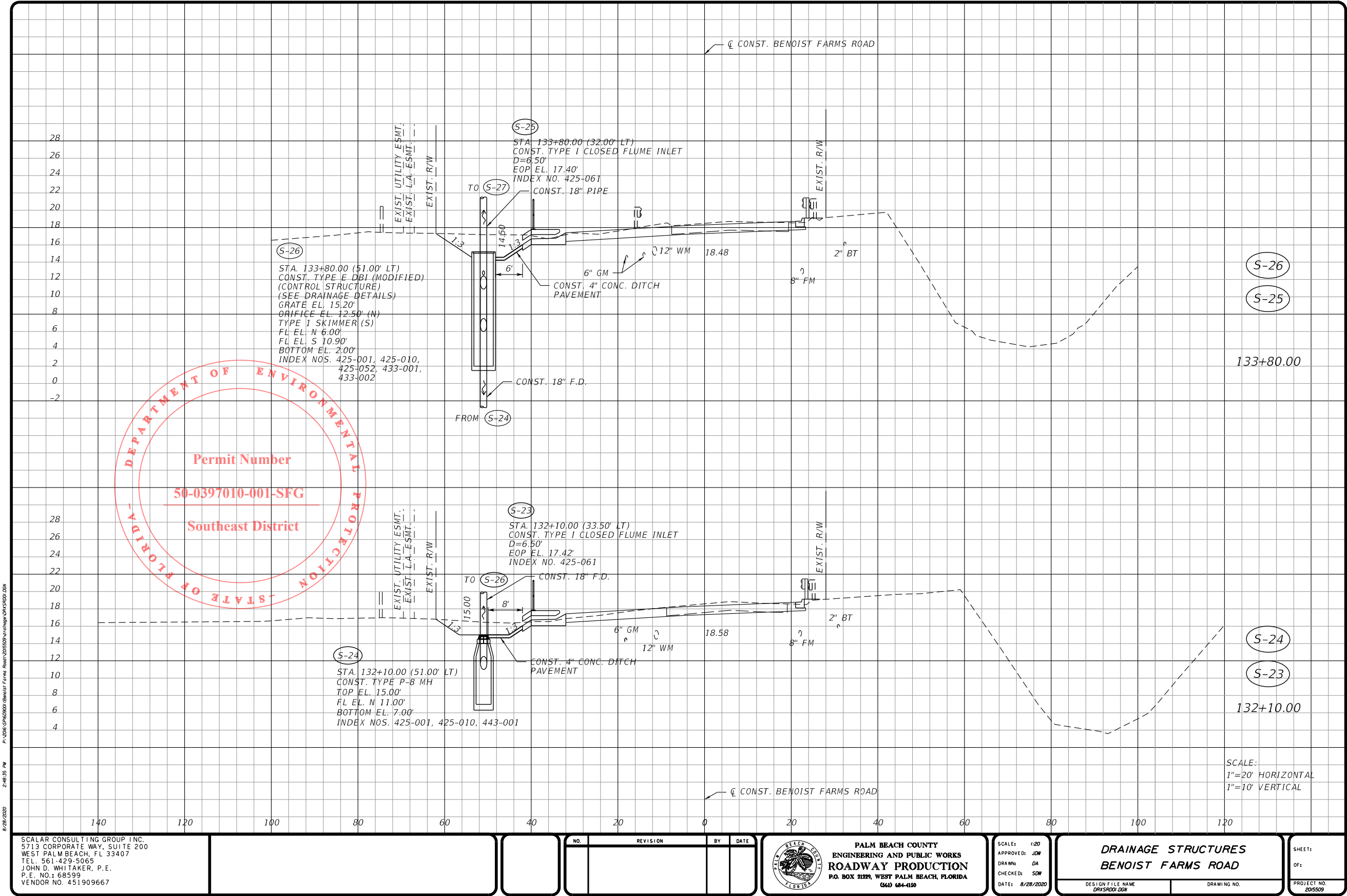
PERMITS



PERMITS



PERMITS



PERMITS

DEPARTMENT OF ENVIRONMENTAL PROTECTION
-STATE OF FLORIDA-
Permit Number
50-0397010-001-SFG
Southeast District

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SCALAR CONSULTING GROUP INC.
5713 CORPORATE WAY, SUITE 200
WEST PALM BEACH, FL 33407
TEL. 561-429-5065
JOHN D. WHITAKER, P.E.
P.E. NO.: 68599
VENDOR NO. 451909667

NO.	REVISION	BY	DATE

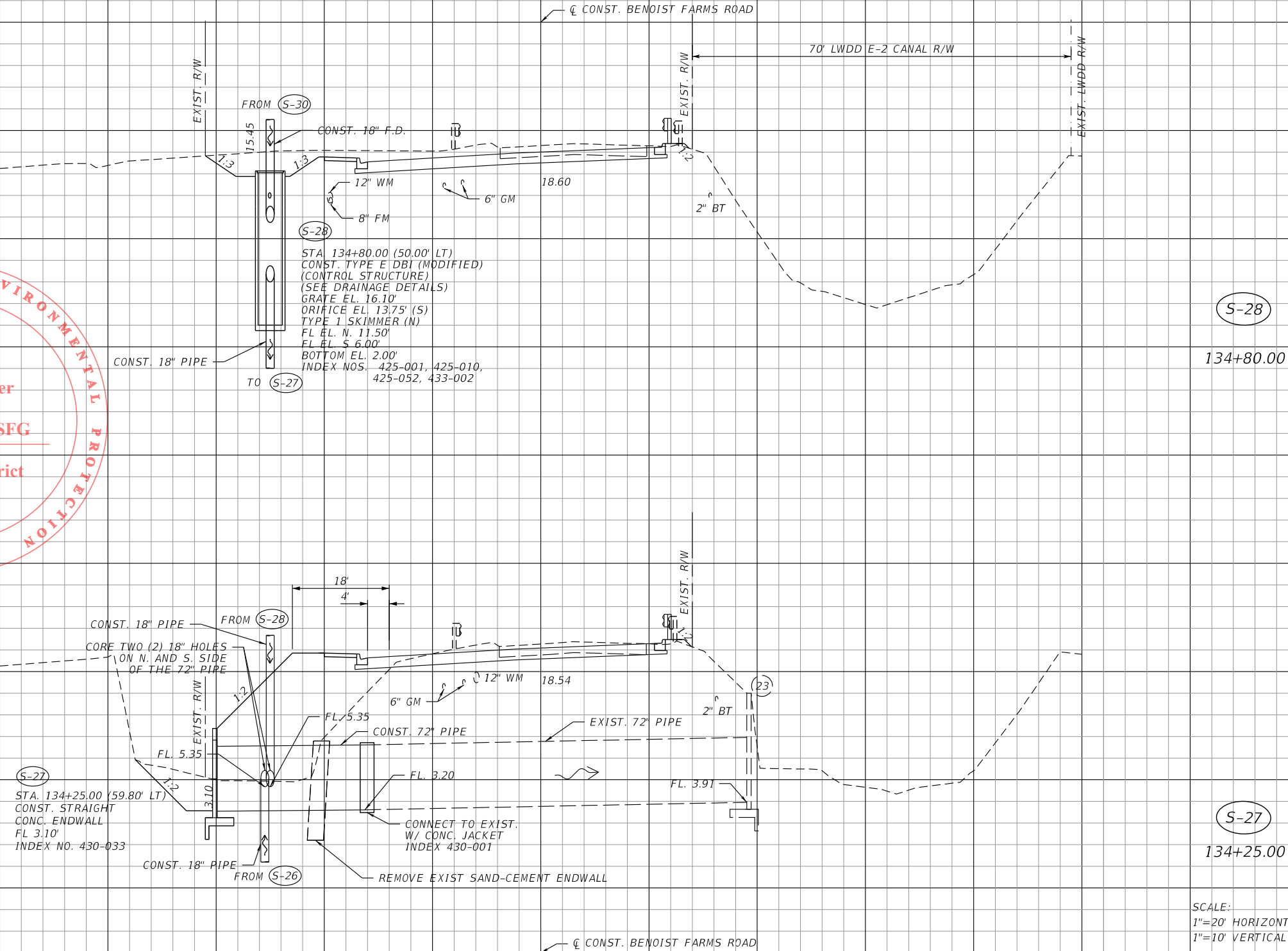
 **PALM BEACH COUNTY**
ENGINEERING AND PUBLIC WORKS
ROADWAY PRODUCTION
P.O. BOX 21229, WEST PALM BEACH, FLORIDA
(561) 684-4150

SCALE: 1/20
APPROVED: JDW
DRAWN: DA
CHECKED: SDW
DATE: 8/28/2020

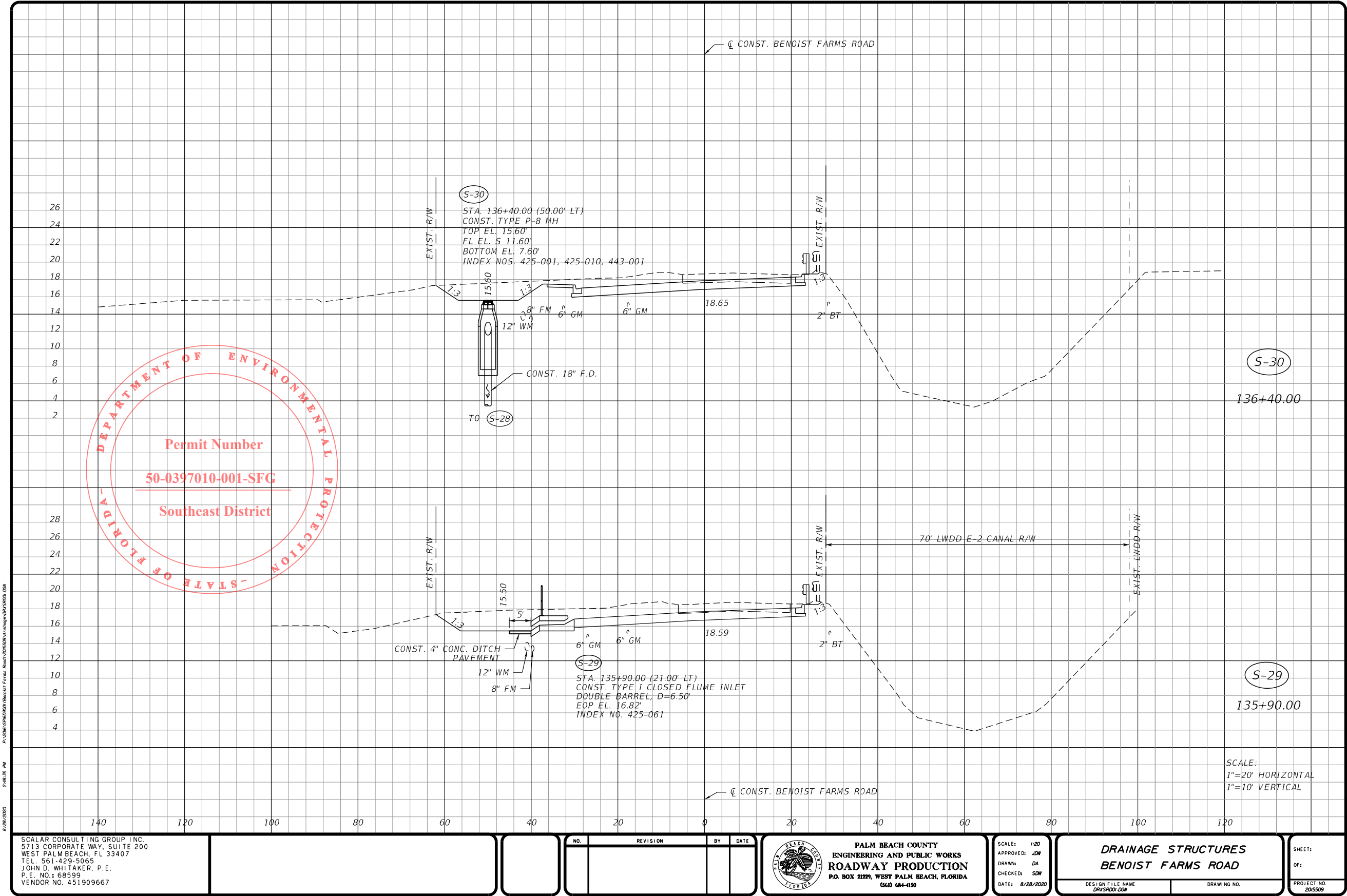
DRAINAGE STRUCTURES
BENOIST FARMS ROAD

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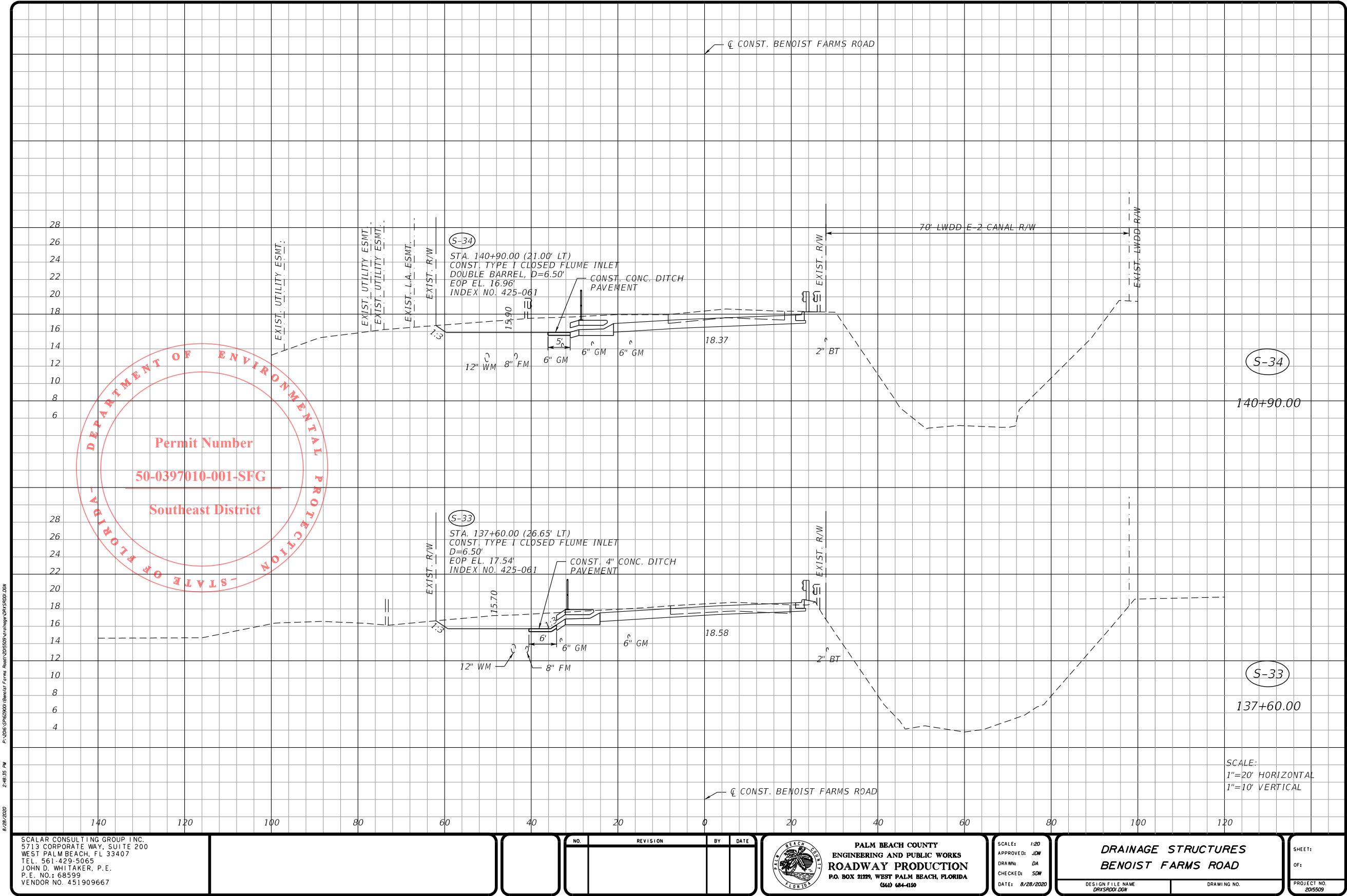
SHEET:
OF:
PROJECT NO.
205509



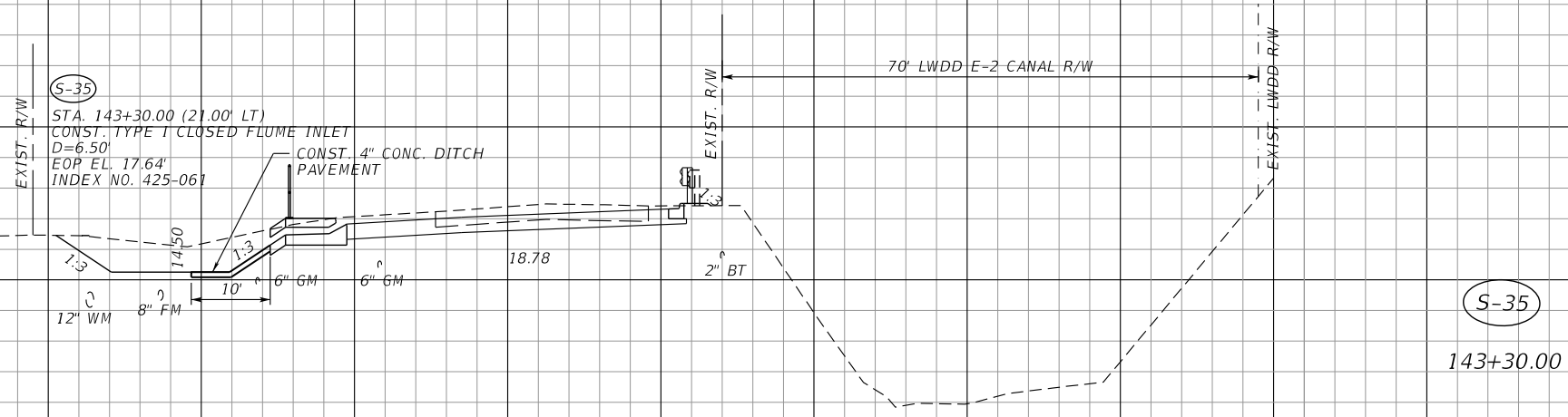
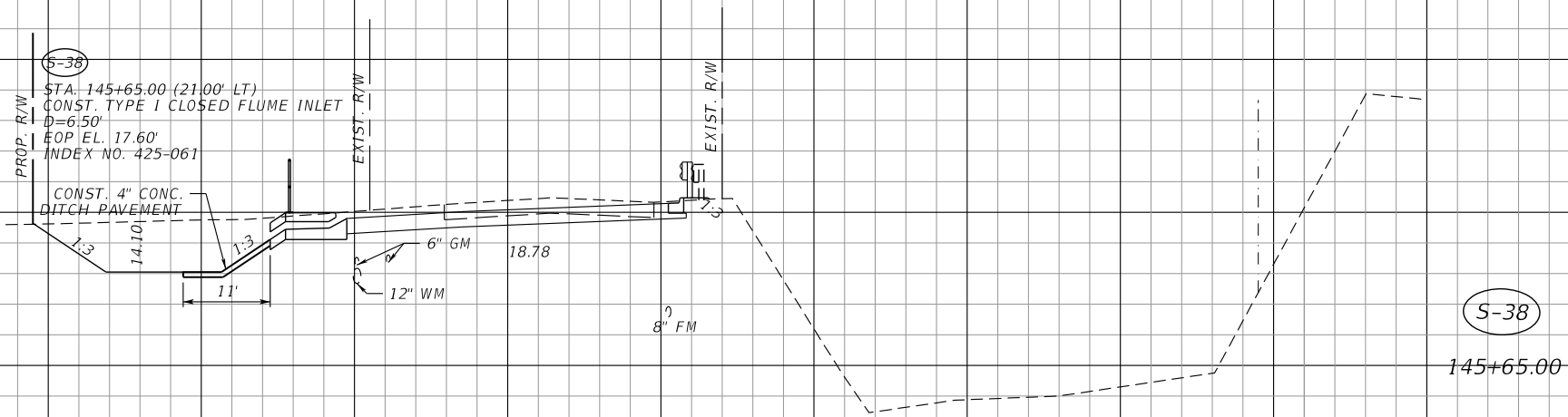
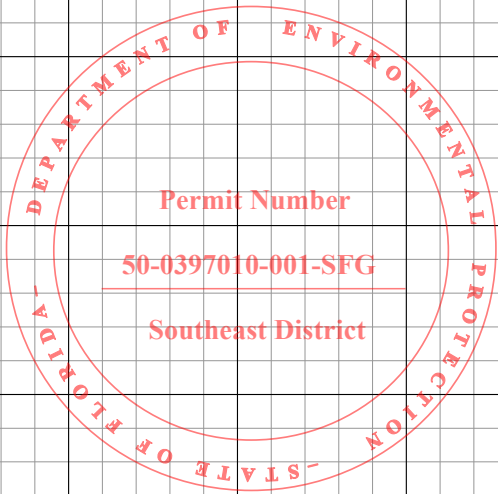
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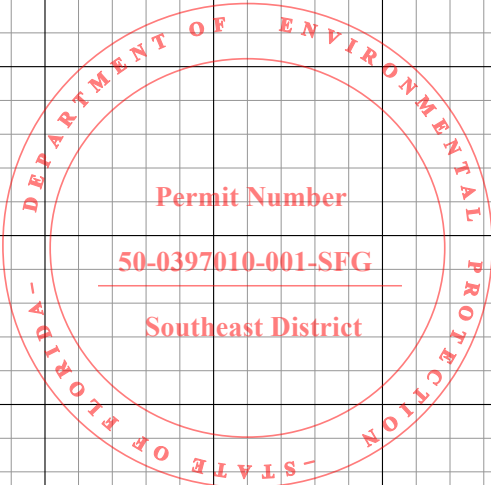


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1"=10' VERTICAL

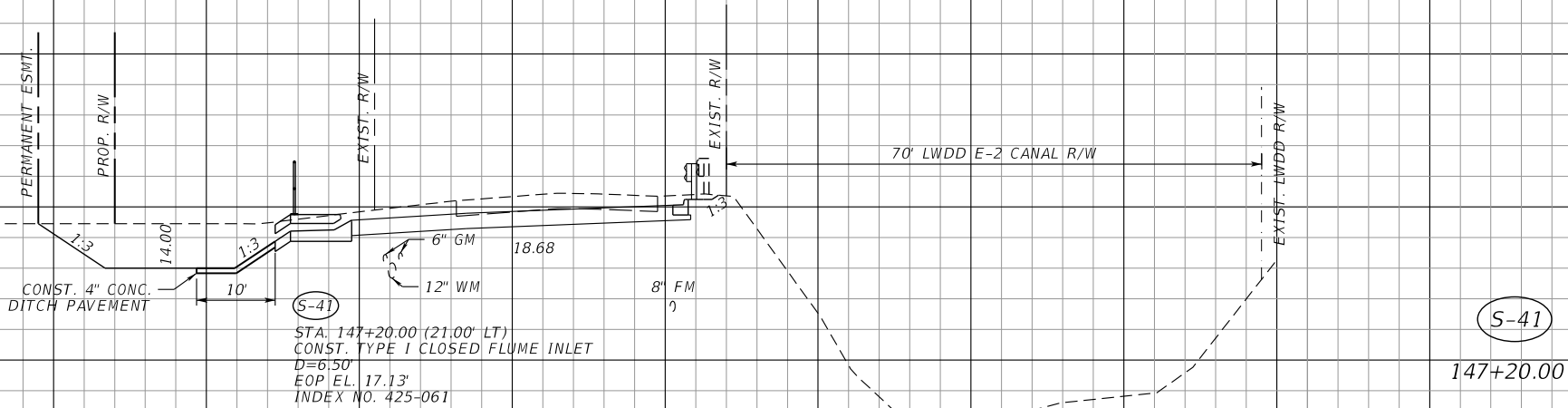
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8/28/2020

SCALAR CONSULTING GROUP INC. 5713 CORPORATE WAY, SUITE 200 WEST PALM BEACH, FL 33407 TEL. 561-429-5065 JOHN D. WHITAKER, P.E. P.E. NO.: 68599 VENDOR NO. 451909667			NO.	REVISION	BY	DATE		PALM BEACH COUNTY ENGINEERING AND PUBLIC WORKS ROADWAY PRODUCTION P.O. BOX 21229, WEST PALM BEACH, FLORIDA (561) 684-4150	SCALE: 1/20 APPROVED: JDW DRAWN: DA CHECKED: SDW DATE: 8/28/2020	DRAINAGE STRUCTURES BENOIST FARMS ROAD		SHEET: OF:
									DESIGN FILE NAME DRKS5001.DWG	DRAWING NO.	PROJECT NO. 2015509	

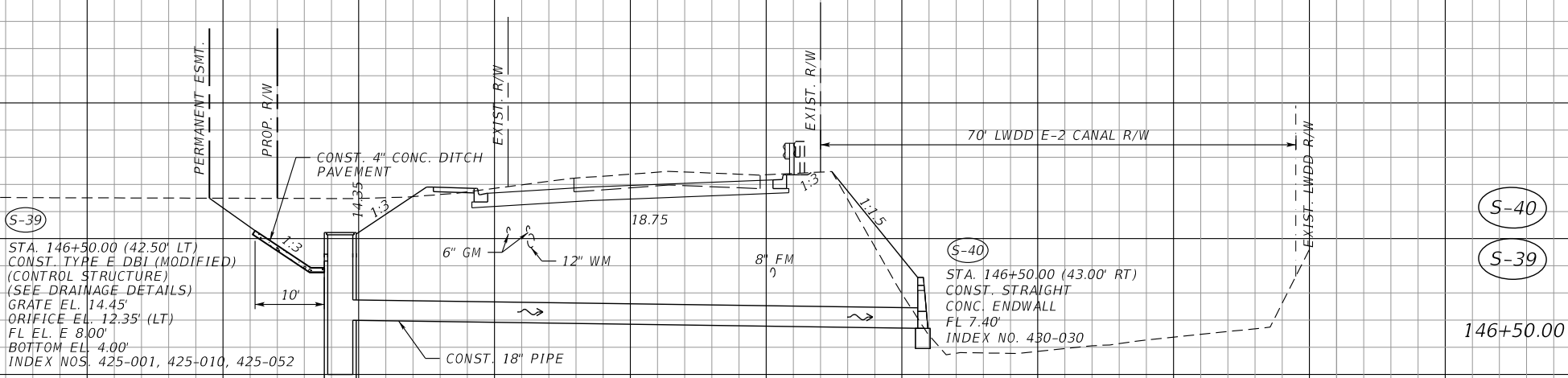
PERMITS



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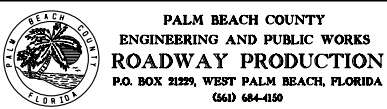


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1"=10' VERTICAL

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8/28/2020

SCALAR CONSULTING GROUP INC.
5713 CORPORATE WAY, SUITE 200
WEST PALM BEACH, FL 33407
TEL. 561-429-5065
JOHN D. WHITAKER, P.E.
P.E. NO.: 68599
VENDOR NO. 451909667

NO.	REVISION	BY	DATE



SCALE: 1/20
APPROVED: JDW
DRAWN: DA
CHECKED: SDW
DATE: 8/28/2020

DRAINAGE STRUCTURES
BENOIST FARMS ROAD

DESIGN FILE NAME
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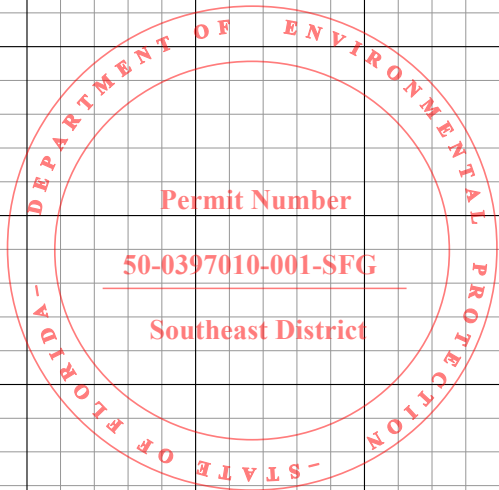
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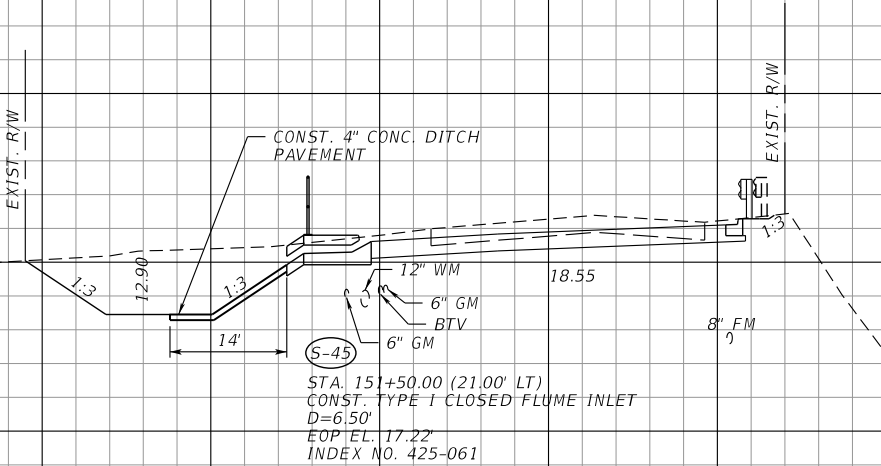
OF:

PROJECT NO.
205509

PERMITS



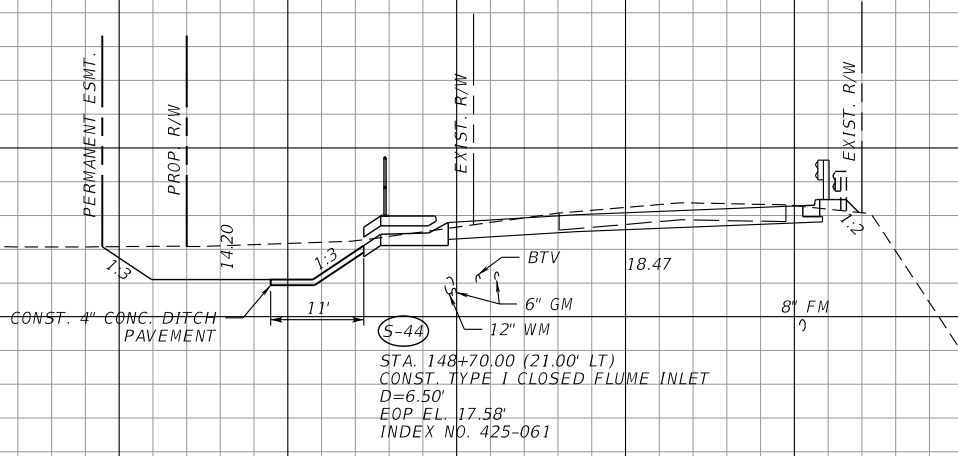
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S-45

151+50.00

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S-44

148+70.00

SCALE:
1"=20' HORIZONTAL
1"=10' VERTICAL

P:\2016\CPH60007 (Benoist Farms Road)\201509\drainage\DRKS001.DWG
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SCALAR CONSULTING GROUP INC.
5713 CORPORATE WAY, SUITE 200
WEST PALM BEACH, FL 33407
TEL. 561-429-5065
JOHN D. WHITAKER, P.E.
P.E. NO.: 68599
VENDOR NO. 451909667

NO.	REVISION	BY	DATE

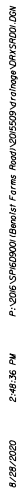


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DRAWN: DA
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DATE: 8/28/2020

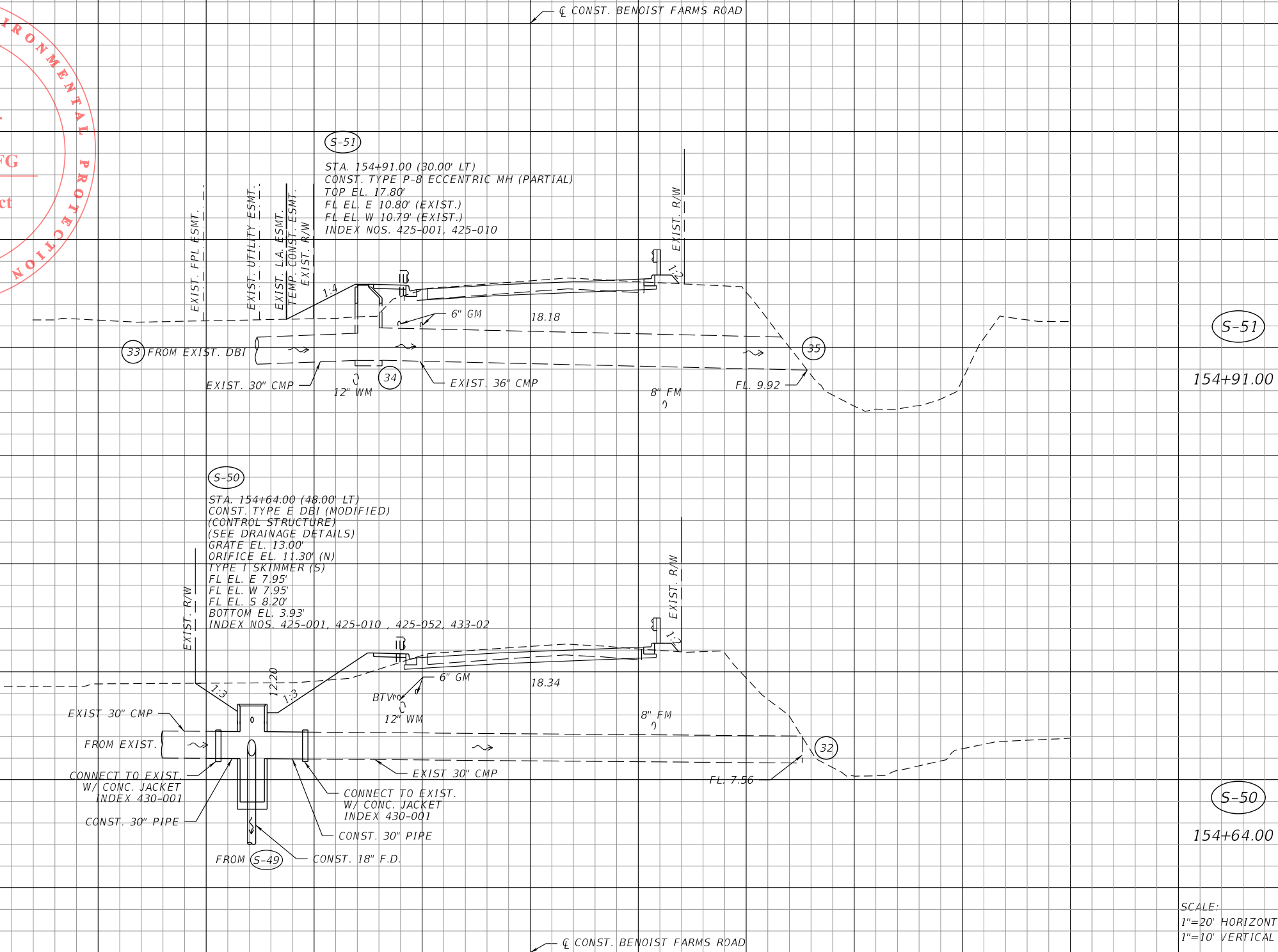
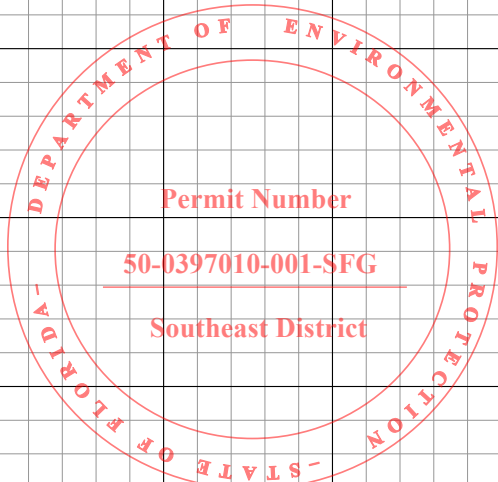
DRAINAGE STRUCTURES
BENOIST FARMS ROAD
DESIGN FILE NAME: DRKS001.DWG
DRAWING NO.:

SHEET:
OF:
PROJECT NO. 2015509

PER-258



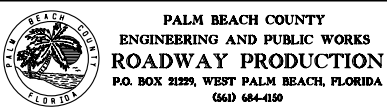
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5713 CORPORATE WAY, SUITE 200
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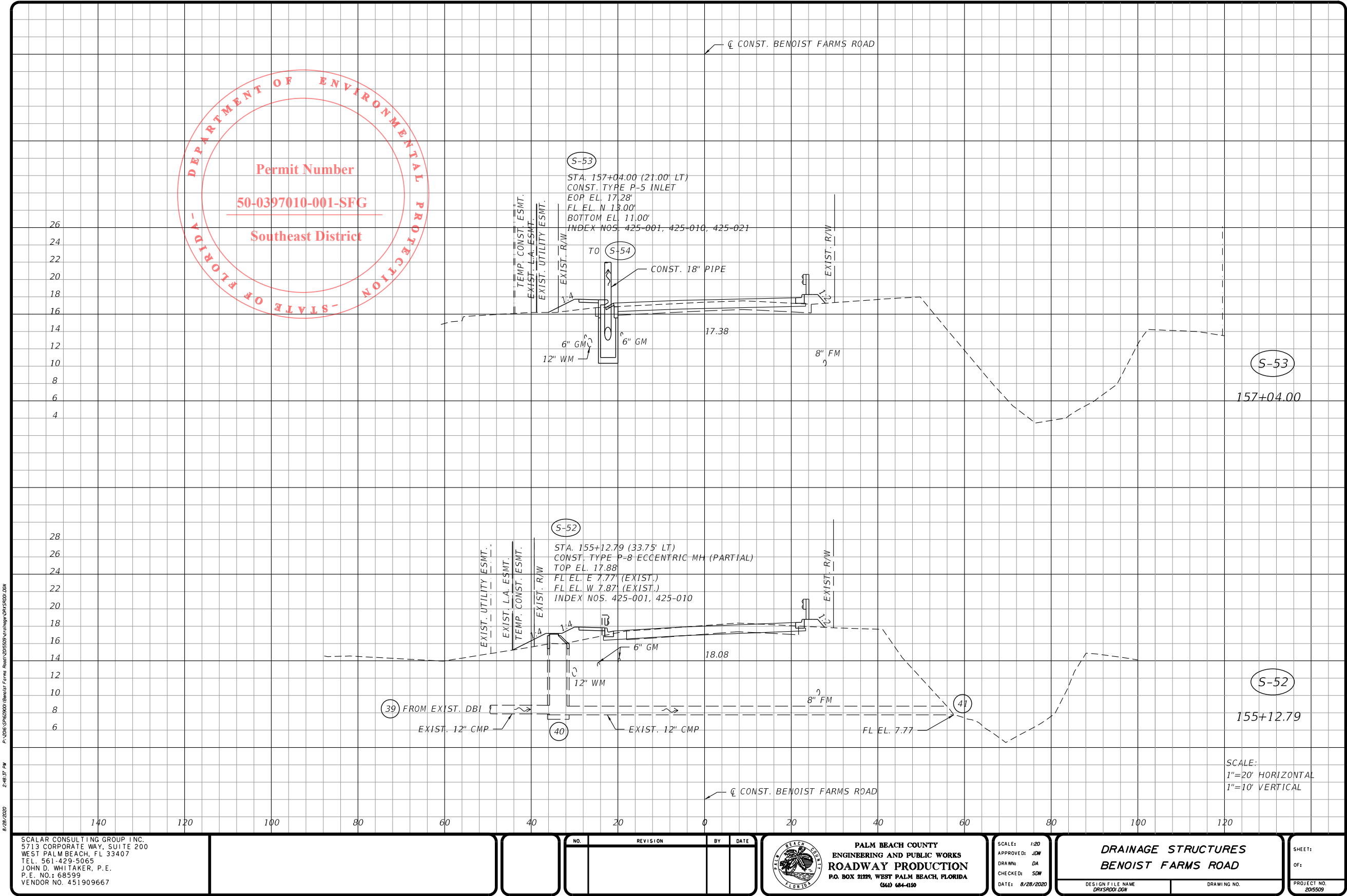
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BENOIST FARMS ROAD**

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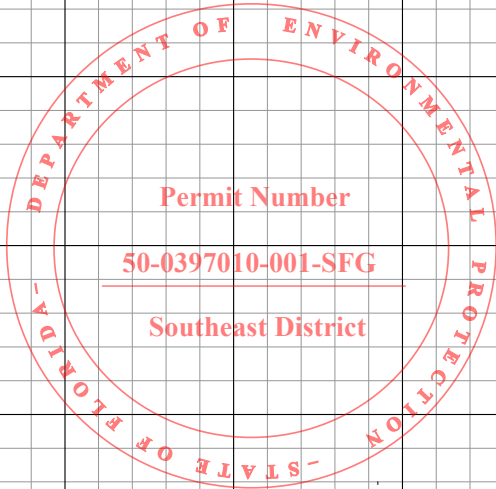
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SHEET:
OF:
PROJECT NO.
2015509

PERMITS



PERMITS



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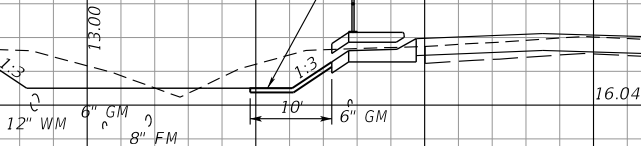
CL CONST. BENOIST FARMS ROAD

CL CONST. BENOIST FARMS ROAD

(S-58)

STA. 160+40.00 (21.00' LT)
CONST. TYPE I CLOSED FLUME INLET
EOP EL. 15.94'
INDEX NO. 425-061

CONST. 4" CONC. DITCH
PAVEMENT



(S-58)

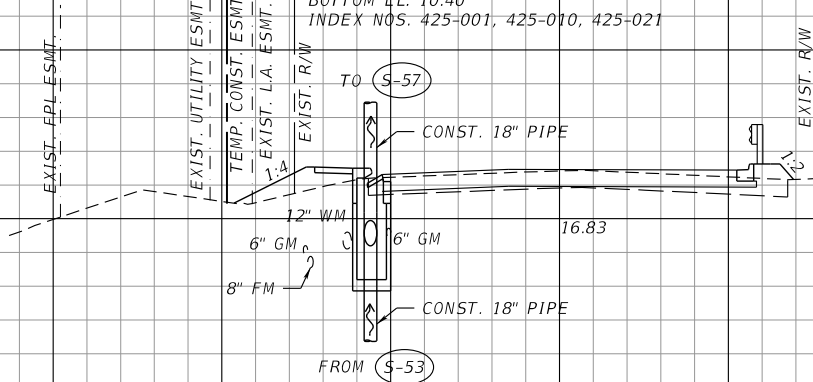
160+40.00

(S-54)

STA. 158+70.00 (21.00' LT)
CONST. TYPE P-5 INLET
EOP EL. 16.62'
FL EL. N 12.40'
FL EL. S 12.40'
BOTTOM EL. 10.40'
INDEX NOS. 425-001, 425-010, 425-021

CONST. 18" PIPE

CONST. 18" PIPE



(S-54)

158+70.00

SCALE:
1"=20' HORIZONTAL
1"=10' VERTICAL

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8/28/2020

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TEL. 561-429-5065
JOHN D. WHITAKER, P.E.
P.E. NO.: 68599
VENDOR NO. 451909667

NO.	REVISION	BY	DATE



SCALE: 1/20
APPROVED: JDW
DRAWN: DA
CHECKED: SDW
DATE: 8/28/2020

DRAINAGE STRUCTURES
BENOIST FARMS ROAD

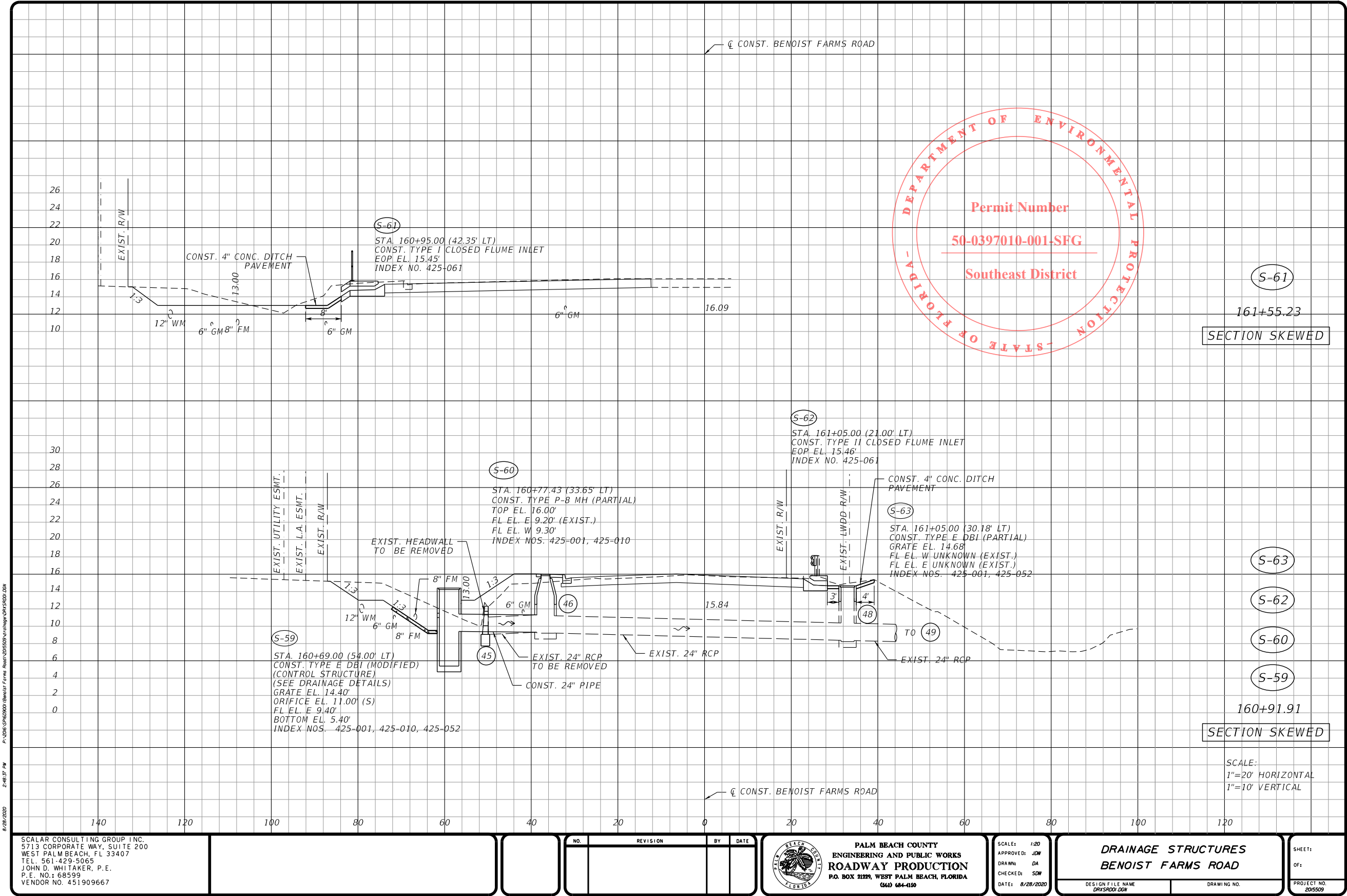
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SHEET:
OF:

PROJECT NO.
205509

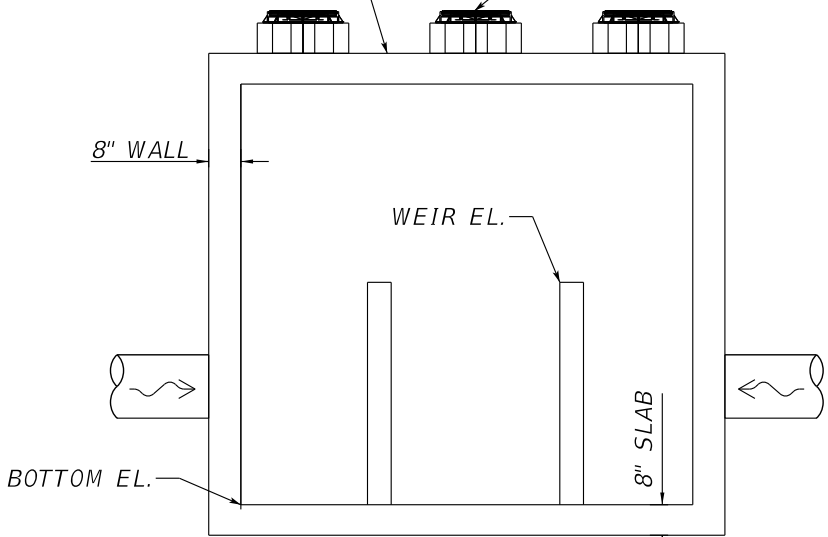
PERMITS



PERMITS

TYPE 7 MH (INDEX 425-052,
425-001, 425-010)

TOP EL.
(STA./OFF. LOCATION)



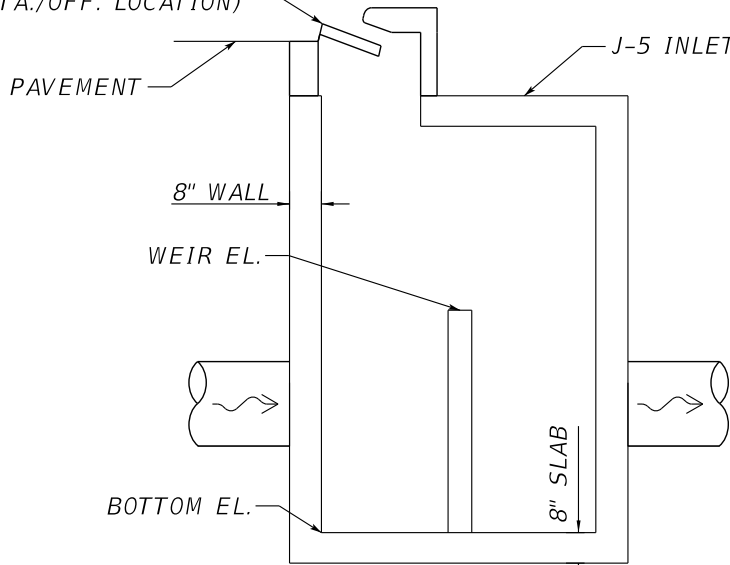
A-A SECTION VIEW

	S-8	S-15
TOP/EOP EL.	19.66	18.80
WEIR EL.	16.20	15.40
N PIPE INVERT	13.70	N/A
S PIPE INVERT	13.90	N/A
E PIPE INVERT	7.00	8.40'
W PIPE INVERT	7.20	8.40
BOTTOM EL.	3.00	6.40

EOP EL.
(STA./OFF. LOCATION)

PAVEMENT

J-5 INLET (INDEX 425-021)

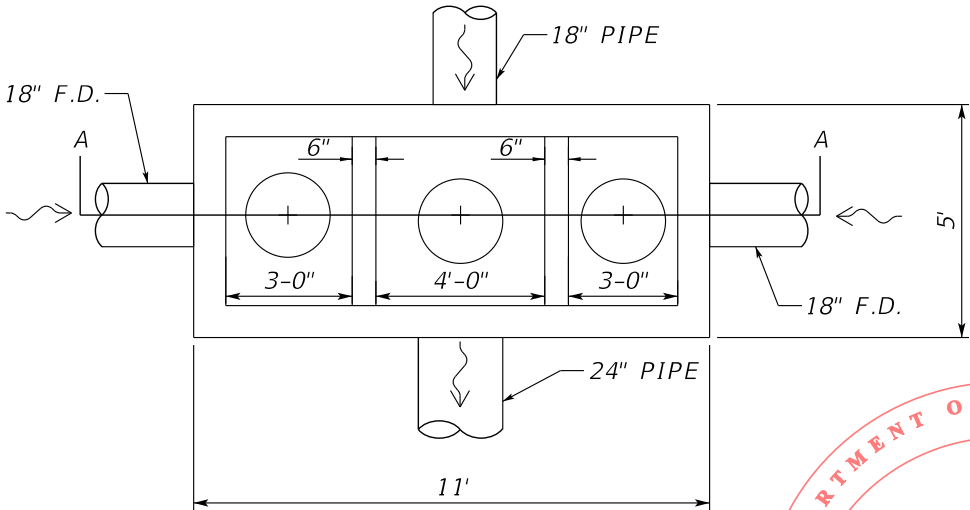


B-B SECTION VIEW

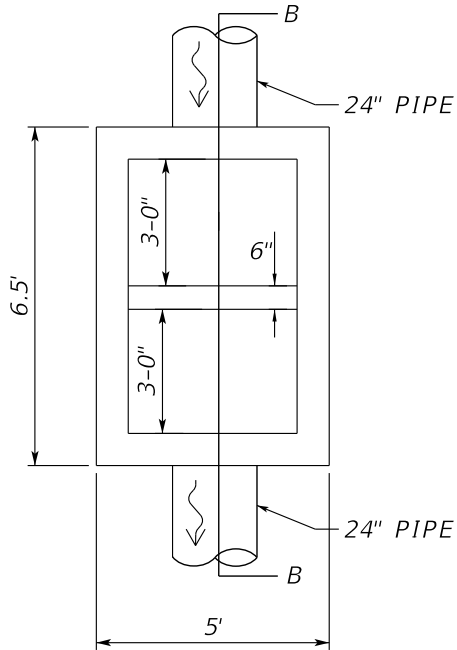
CONTROL STRUCTURE DETAIL

NTS

CONTROL STRUCTURE S-8



CONTROL STRUCTURE S-15



SCALAR CONSULTING GROUP INC.
5713 CORPORATE WAY, SUITE 200
WEST PALM BEACH, FL 33407
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JOHN D. WHITAKER, P.E.
P.E. NO.: 68599
VENDOR NO. 451909667

NO.	REVISION	BY	DATE

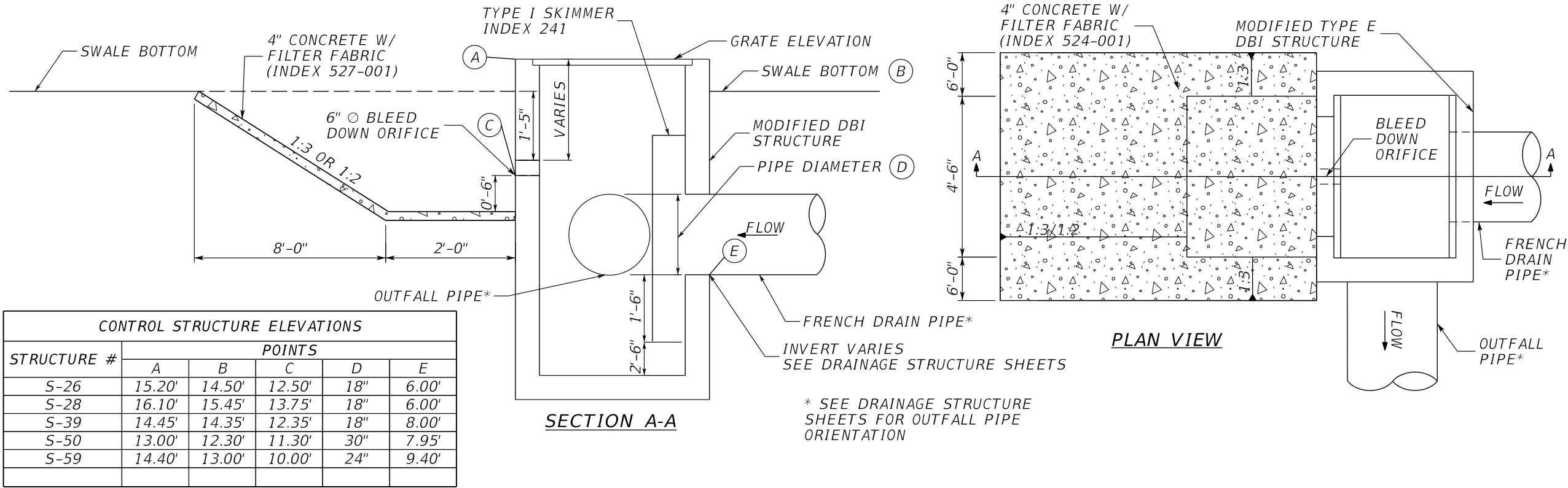


SCALE: NTS
APPROVED: JDW
DRAWN: DA
CHECKED: SDW
DATE: 8/28/2020

DRAINAGE DETAILS BENOIST FARMS ROAD	
DESIGN FILE NAME DNDTRDD1.DGN	DRAWING NO.

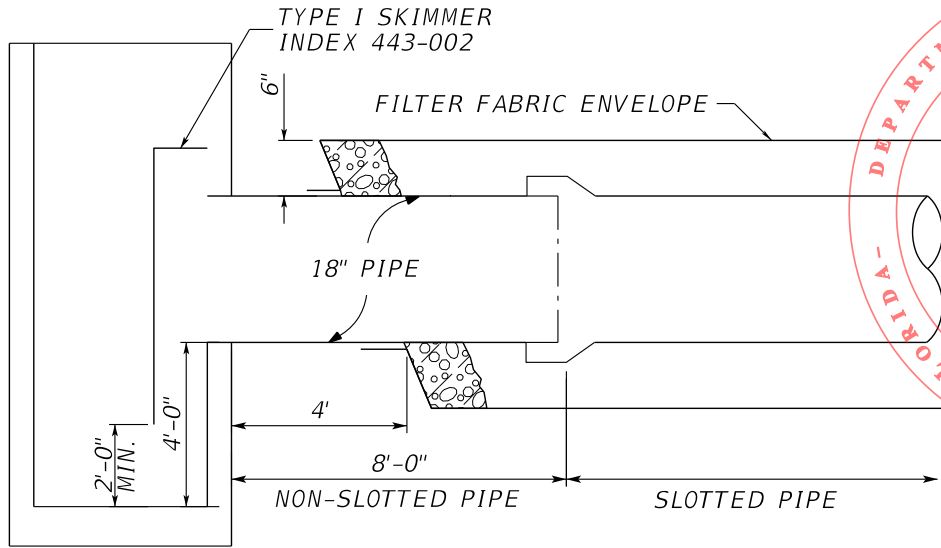
SHEET: OF:
PROJECT NO. 205509

PERMITS

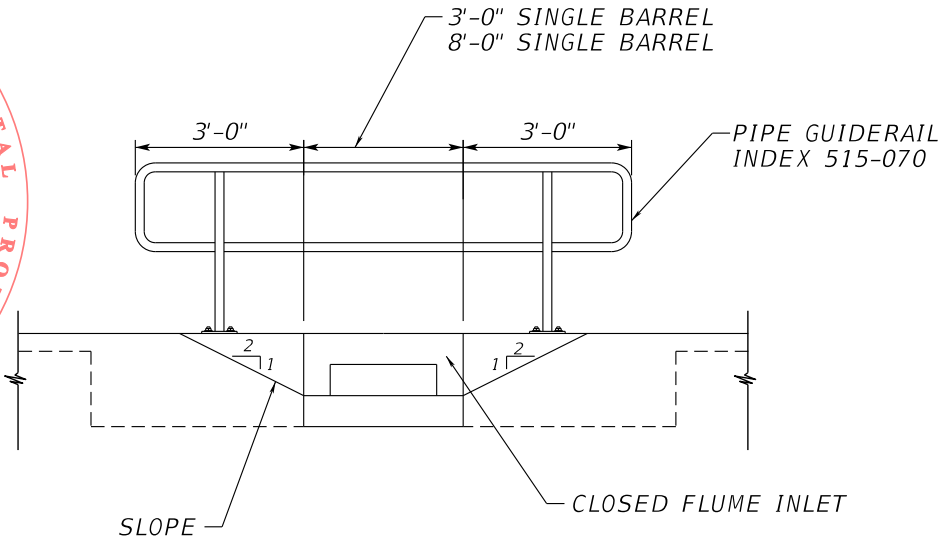
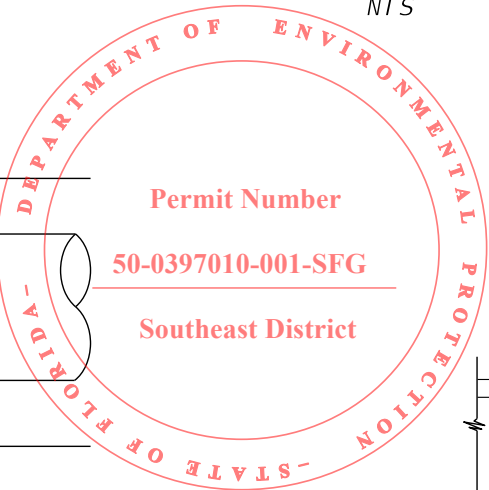


NOTE:
FOR SLOPES, SEE DRAINAGE SECTION FOR EACH STRUCTURE.
ONLY USE 1:3 FOR ORIFICE LOCATED BACK OR AHEAD.

CONTROL STRUCTURE DETAIL
NTS



FRENCH DRAIN PER INDEX 443-001
NTS



PIPE GUIDERAIL DETAIL FOR TYPE I CLOSED FLUME INLETS
NTS

SCALAR CONSULTING GROUP INC.
5713 CORPORATE WAY, SUITE 200
WEST PALM BEACH, FL 33407
TEL. 561-429-5065
JOHN D. WHITAKER, P.E.
P.E. NO.: 68599
VENDOR NO. 451909667

NO.	REVISION	BY	DATE

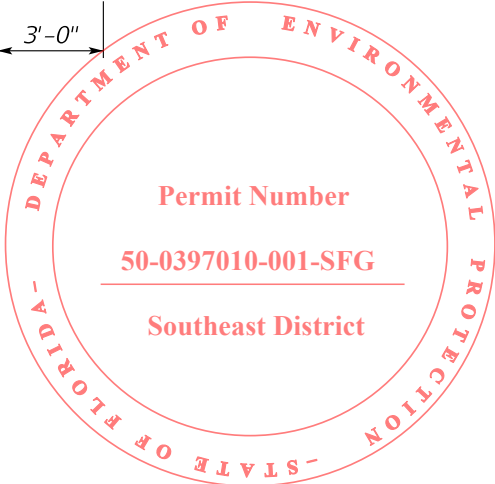
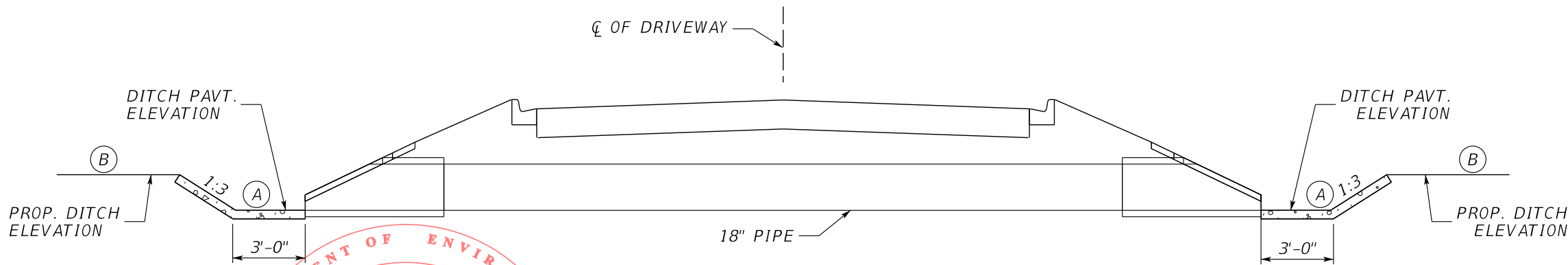


SCALE: NTS
APPROVED: JDW
DRAWN: DA
CHECKED: SDW
DATE: 8/28/2020

DRAINAGE DETAILS
BENOIST FARMS ROAD
DESIGN FILE NAME
DNDTRDD1.DGN
DRAWING NO.

SHEET:
OF:
PROJECT NO.
205509

PERMITS

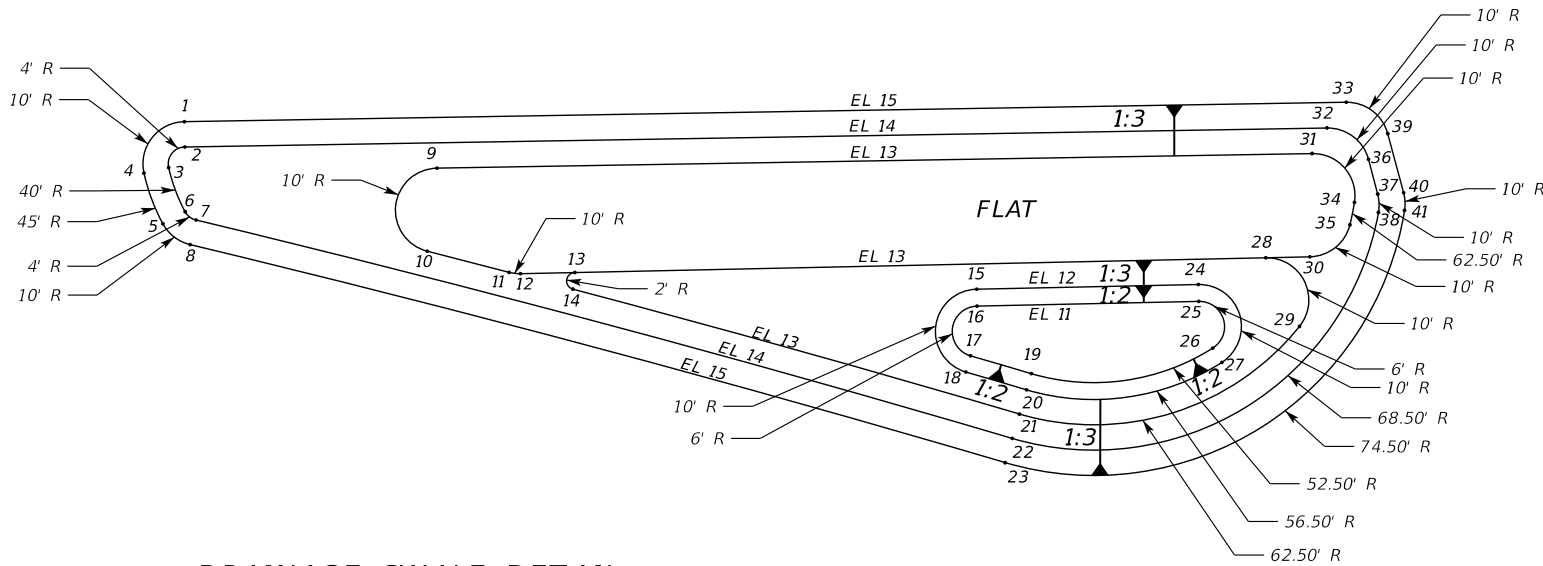


MES SUMP ELEVATIONS		
STRUCTURE	A	B
S-21	14.00	15.10
S-22	14.00	15.00
S-31	14.00	15.50
S-32	14.00	15.70

MES SUMP DETAIL

NTS

DRAINAGE SWALE CONTOUR DETAILS					
POINTS	STATION	OFFSET	POINTS	STATION	OFFSET
1	159+52.17	48' LT	21	160+54.38	40' LT
2	159+52.90	45' LT	22	160+54.38	37' LT
3	159+51.62	42' LT	23	160+54.38	34' LT
4	159+48.98	41' LT	24	160+69.88	61' LT
5	159+52.48	35' LT	25	160+70.49	59' LT
6	159+54.68	37' LT	26	160+73.63	54' LT
7	159+56.13	37' LT	27	160+75.15	53' LT
8	159+56.13	34' LT	28	160+76.51	66' LT
9	159+81.80	50' LT	29	160+82.71	59' LT
10	159+83.08	40' LT	30	160+81.48	68' LT
11	159+92.88	40' LT	31	160+78.16	79' LT
12	159+94.21	40' LT	32	160+78.96	83' LT
13	160+00.28	42' LT	33	160+80.27	86' LT
14	160+00.55	40' LT	34	160+84.65	75' LT
15	160+45.58	53' LT	35	160+84.91	73' LT
16	160+46.16	51' LT	36	160+84.74	81' LT
17	160+47.04	45' LT	37	160+86.99	77' LT
18	160+47.04	43' LT	38	160+87.71	75' LT
19	160+54.38	45' LT	39	160+86.05	84' LT
20	160+54.38	43' LT	40	160+89.89	78' LT



DRAINAGE SWALE DETAIL

NTS

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NO.	REVISION	BY	DATE



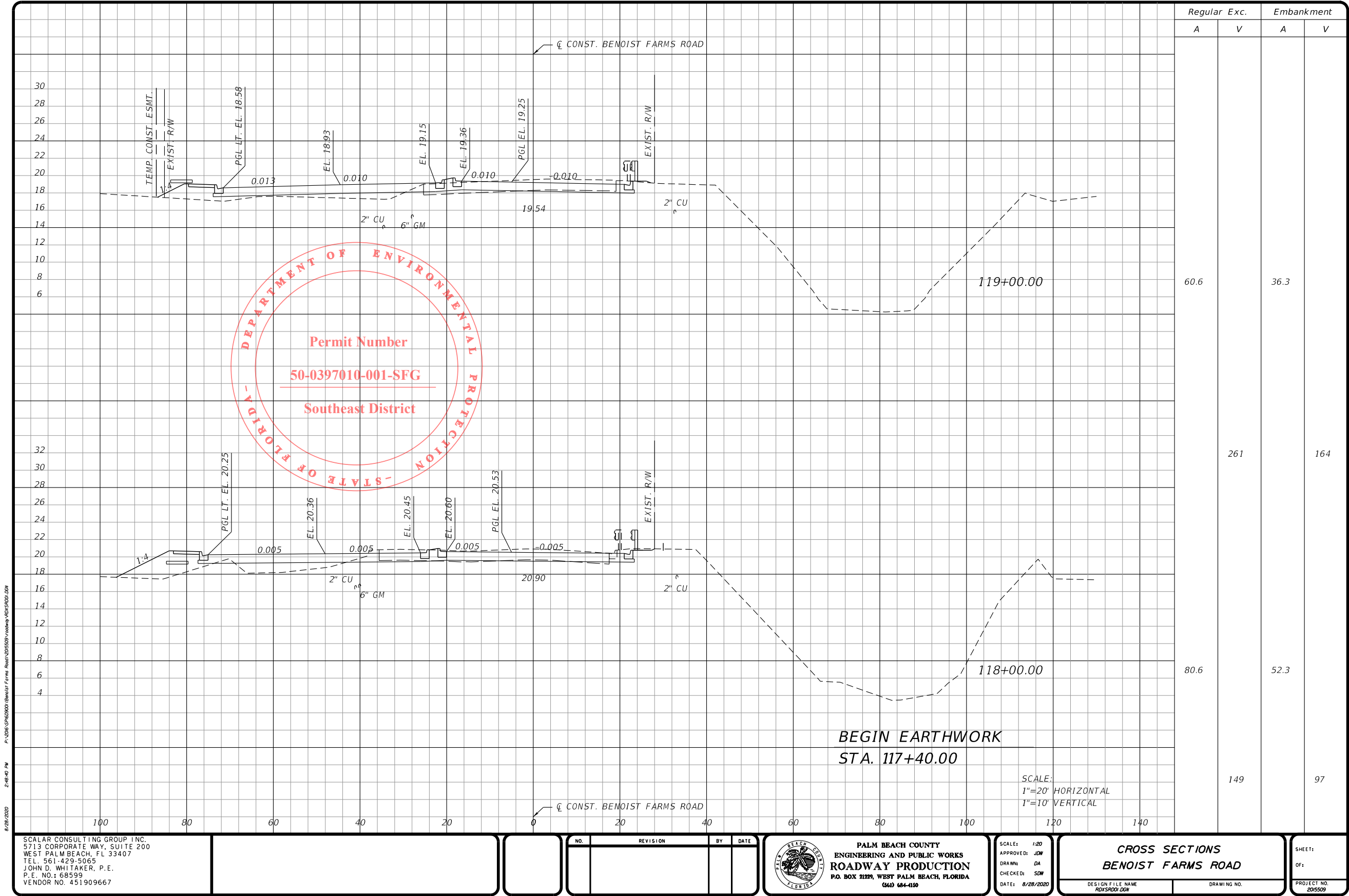
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APPROVED: JDW
DRAWN: DA
CHECKED: SDW
DATE: 8/28/2020

DRAINAGE DETAILS BENOIST FARMS ROAD	
DESIGN FILE NAME DRD1.DWG	DRAWING NO.

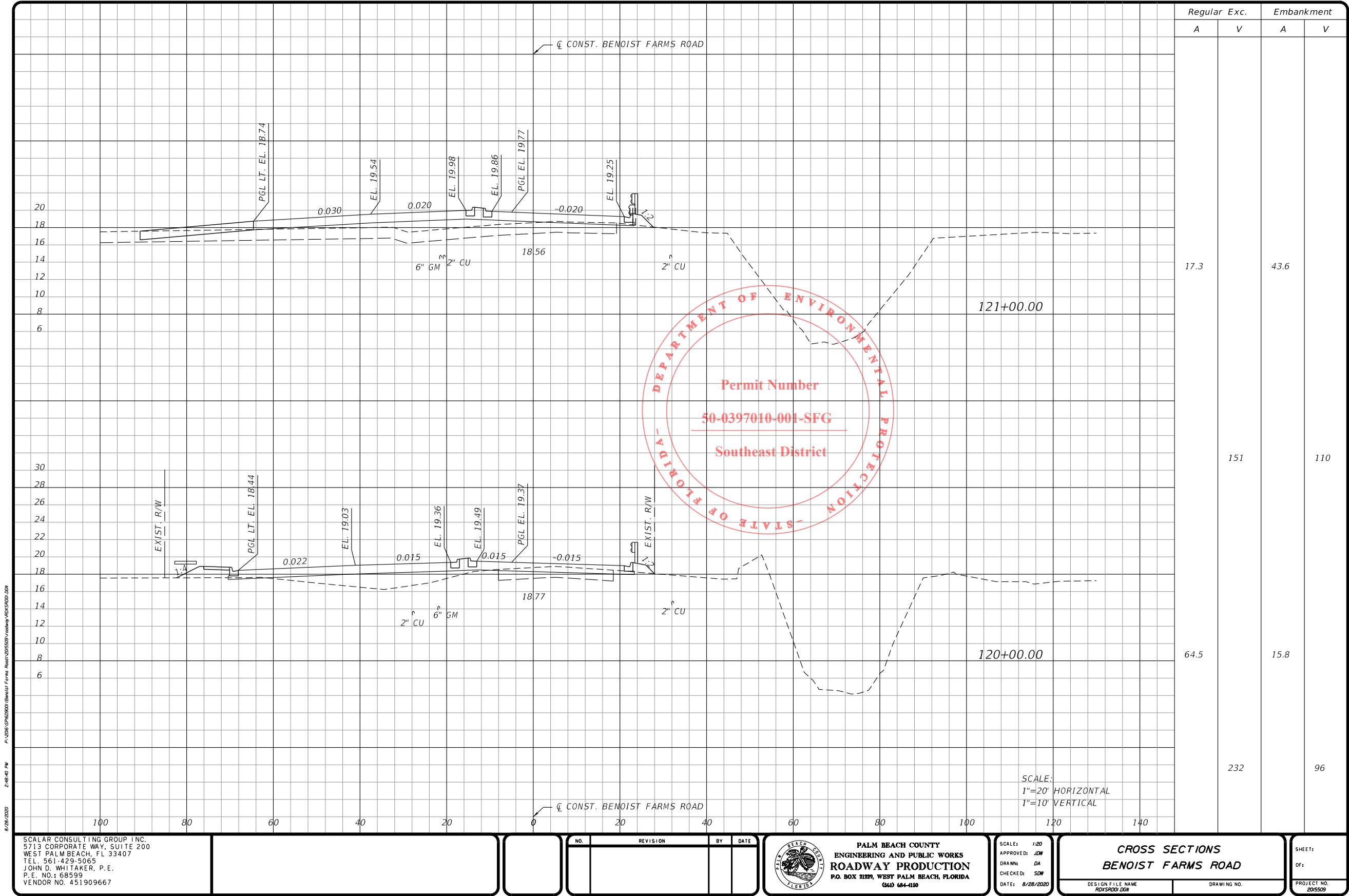
SHEET: OF:
PROJECT NO. 201509

PER-266

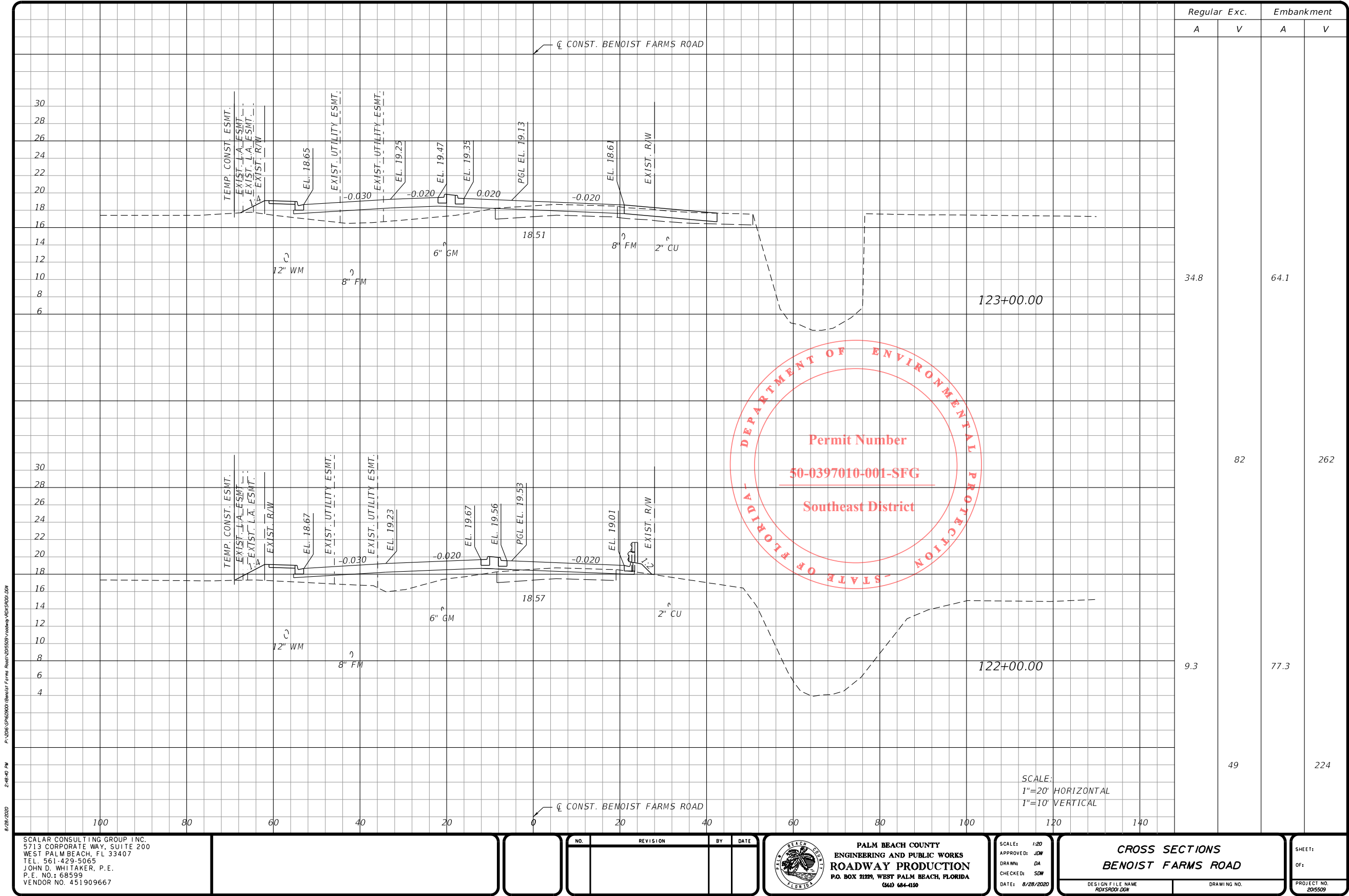
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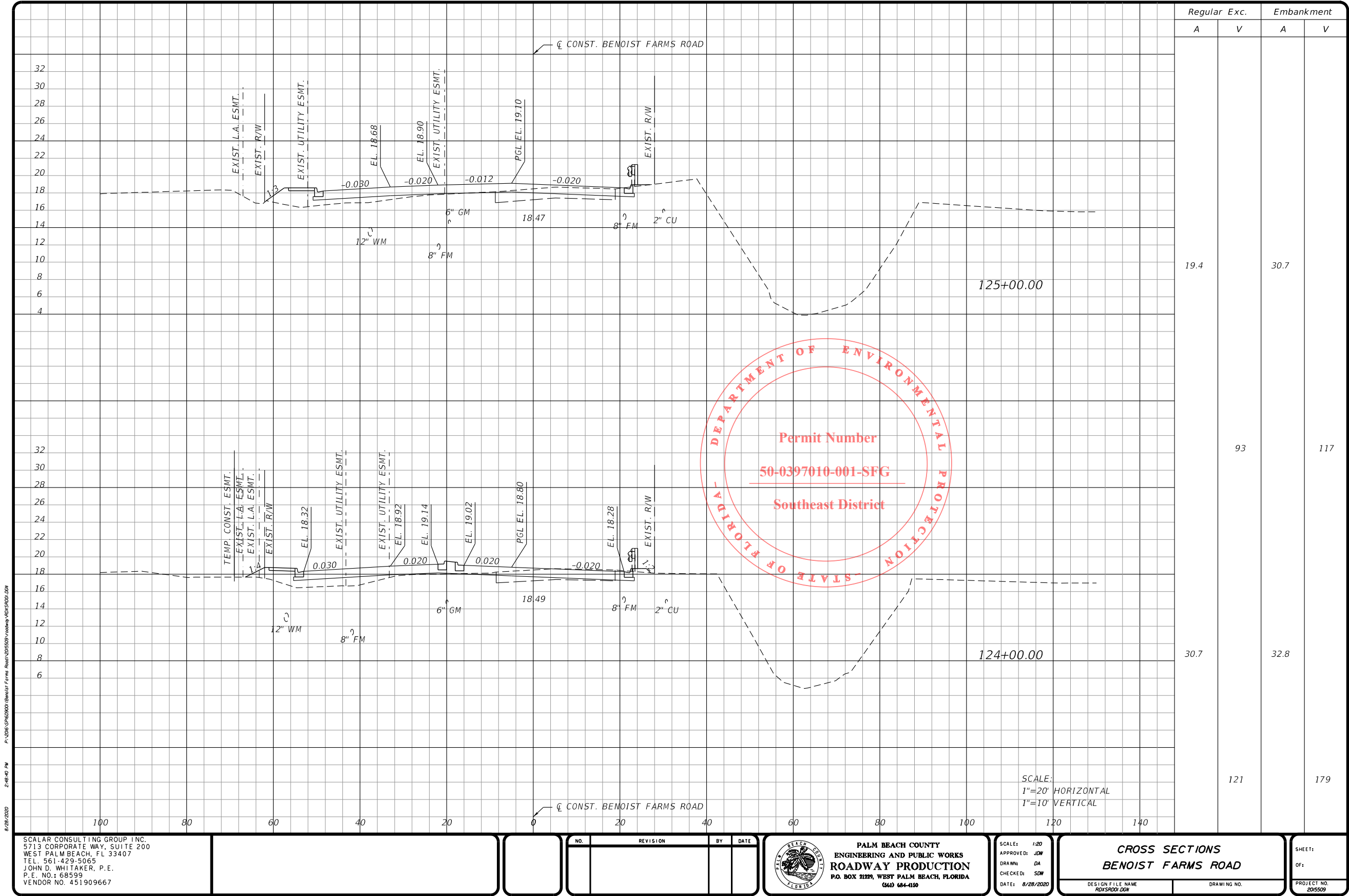
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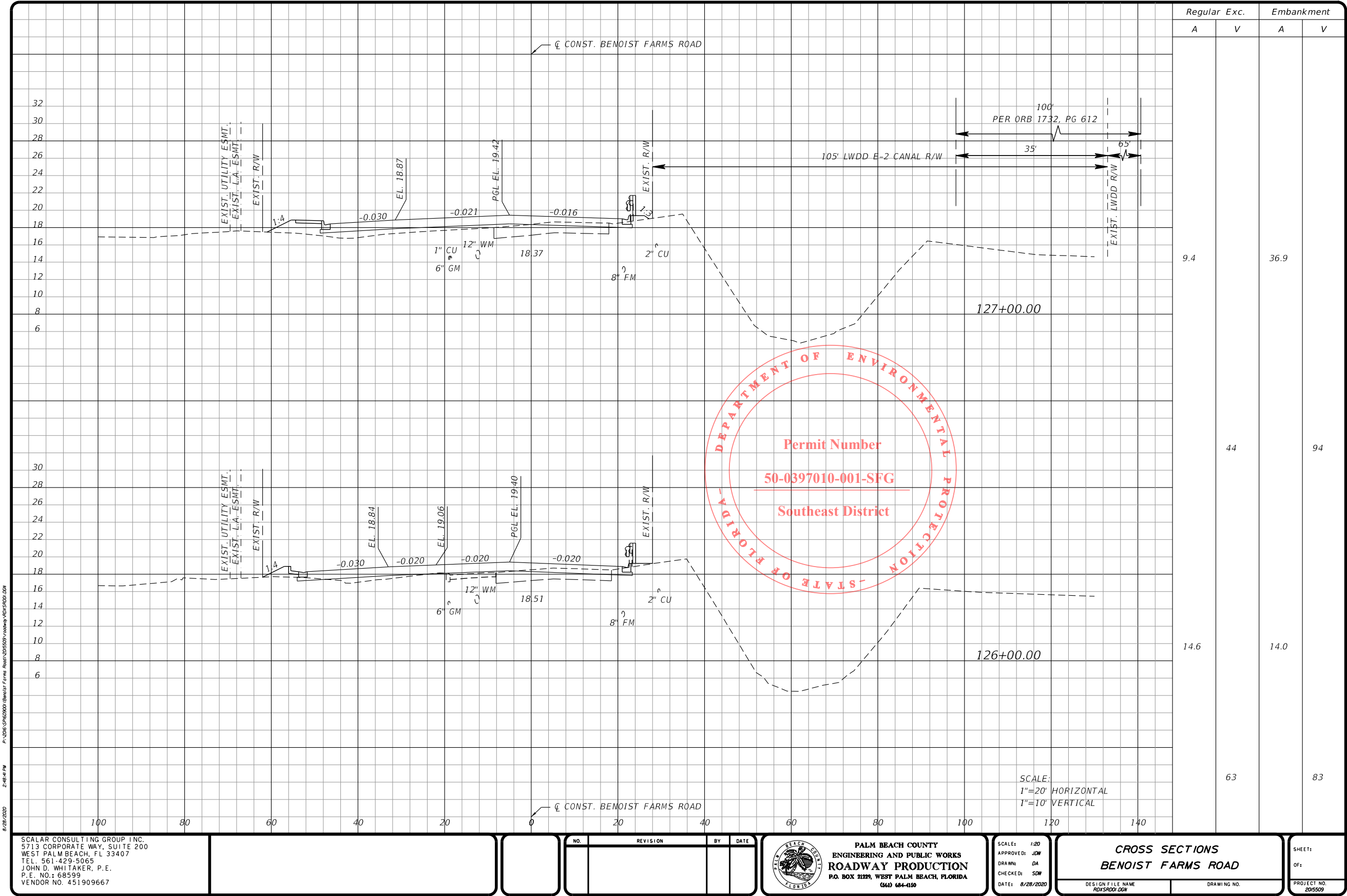
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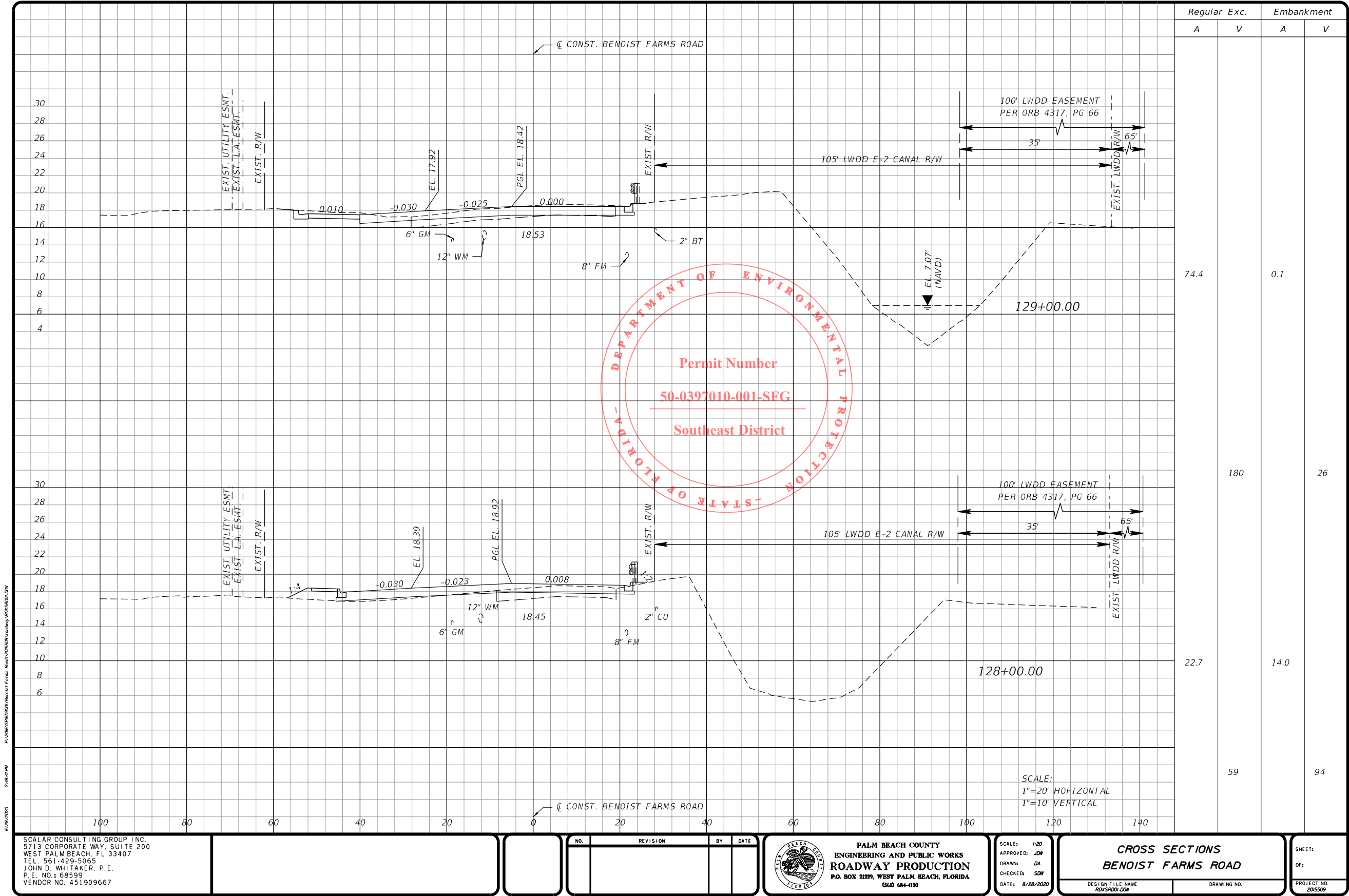
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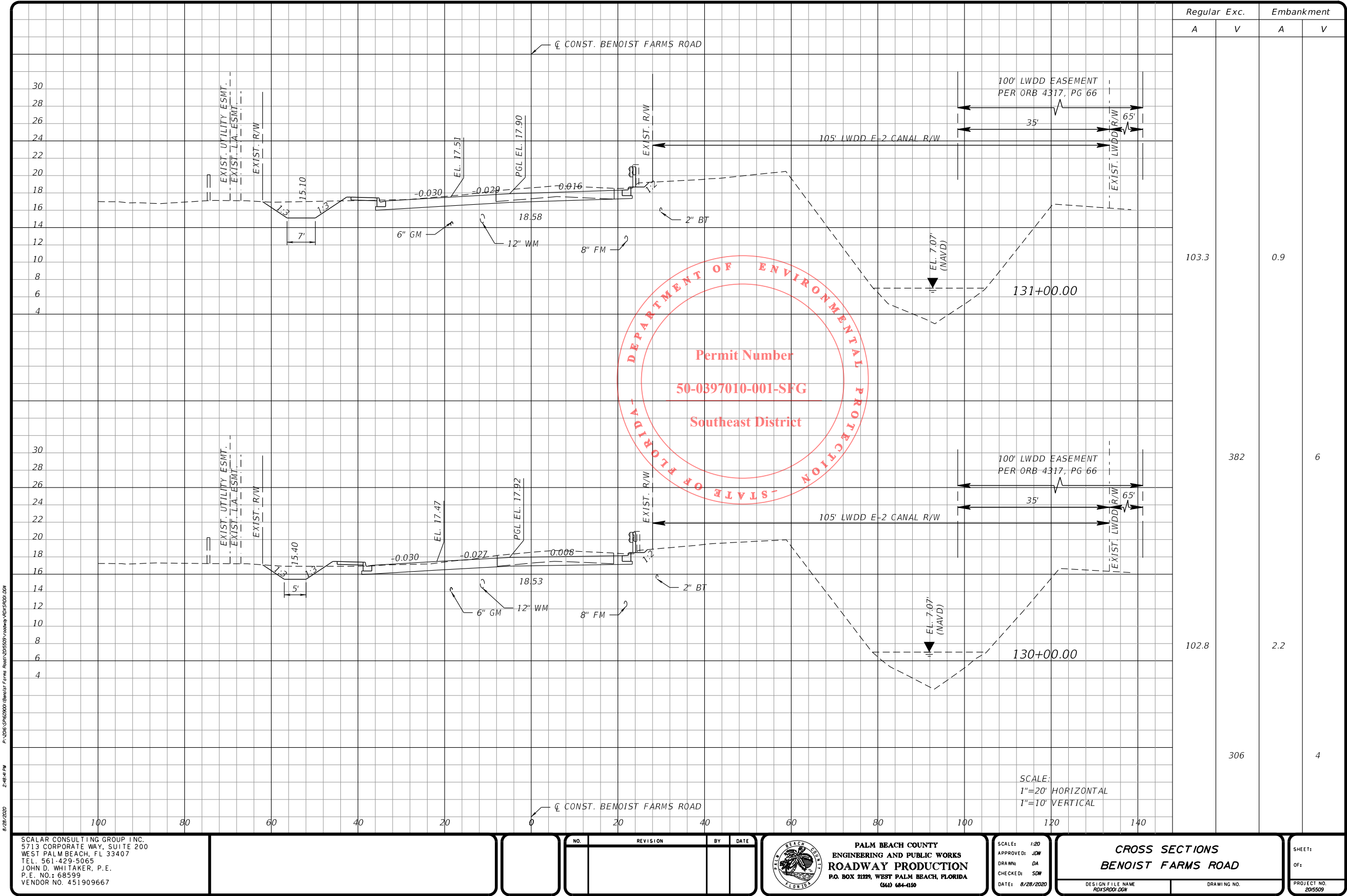
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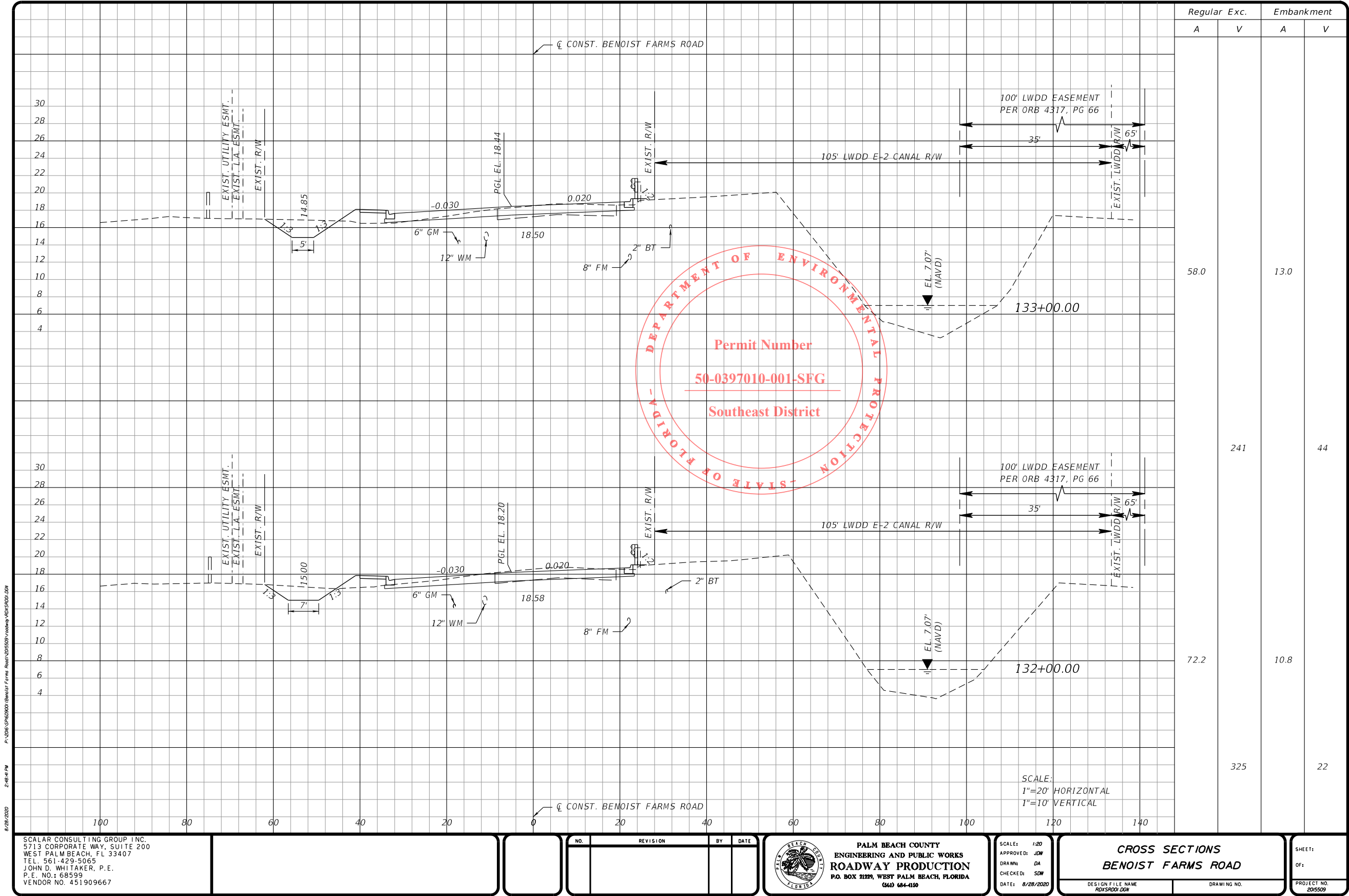
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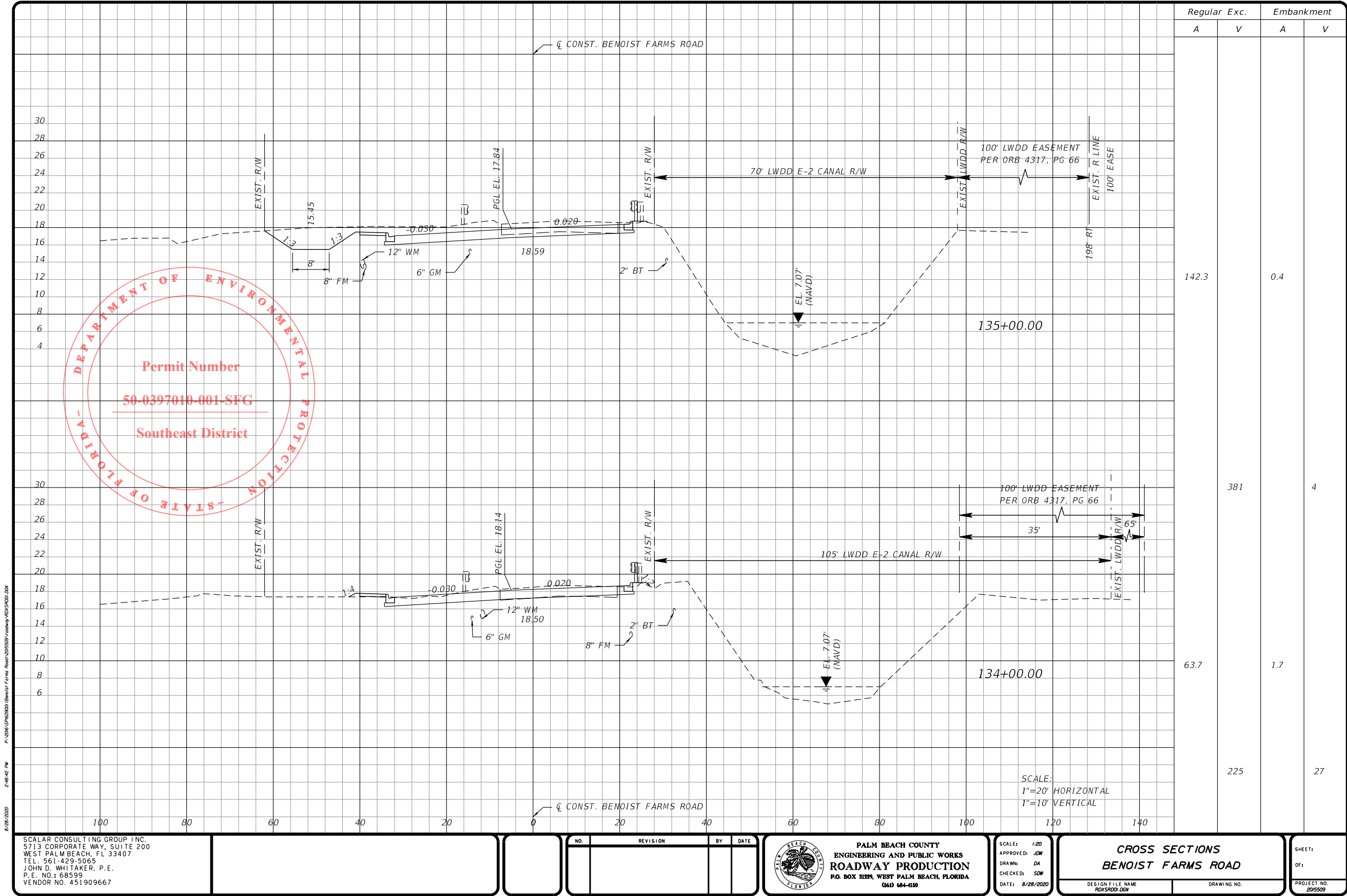
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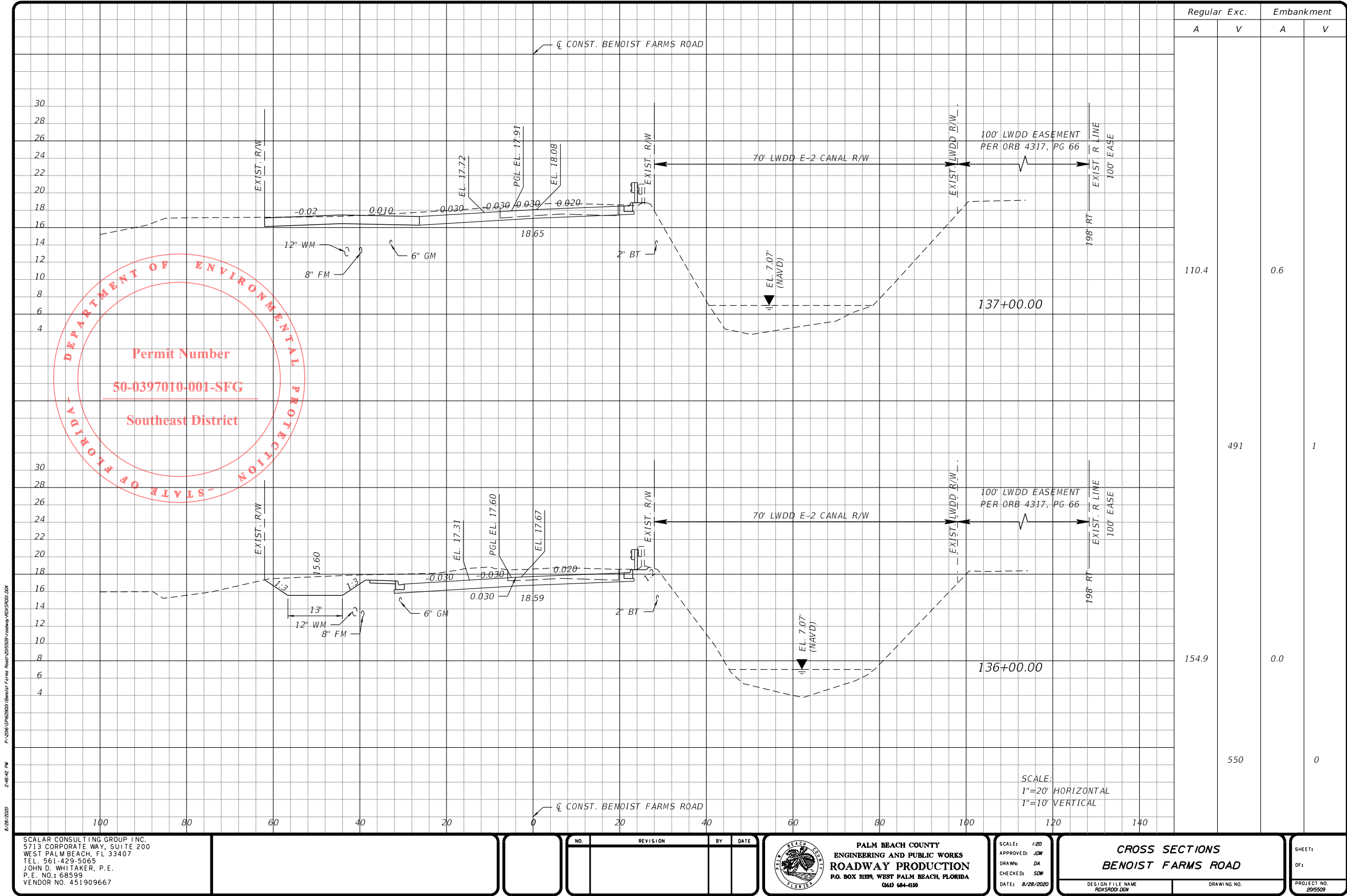
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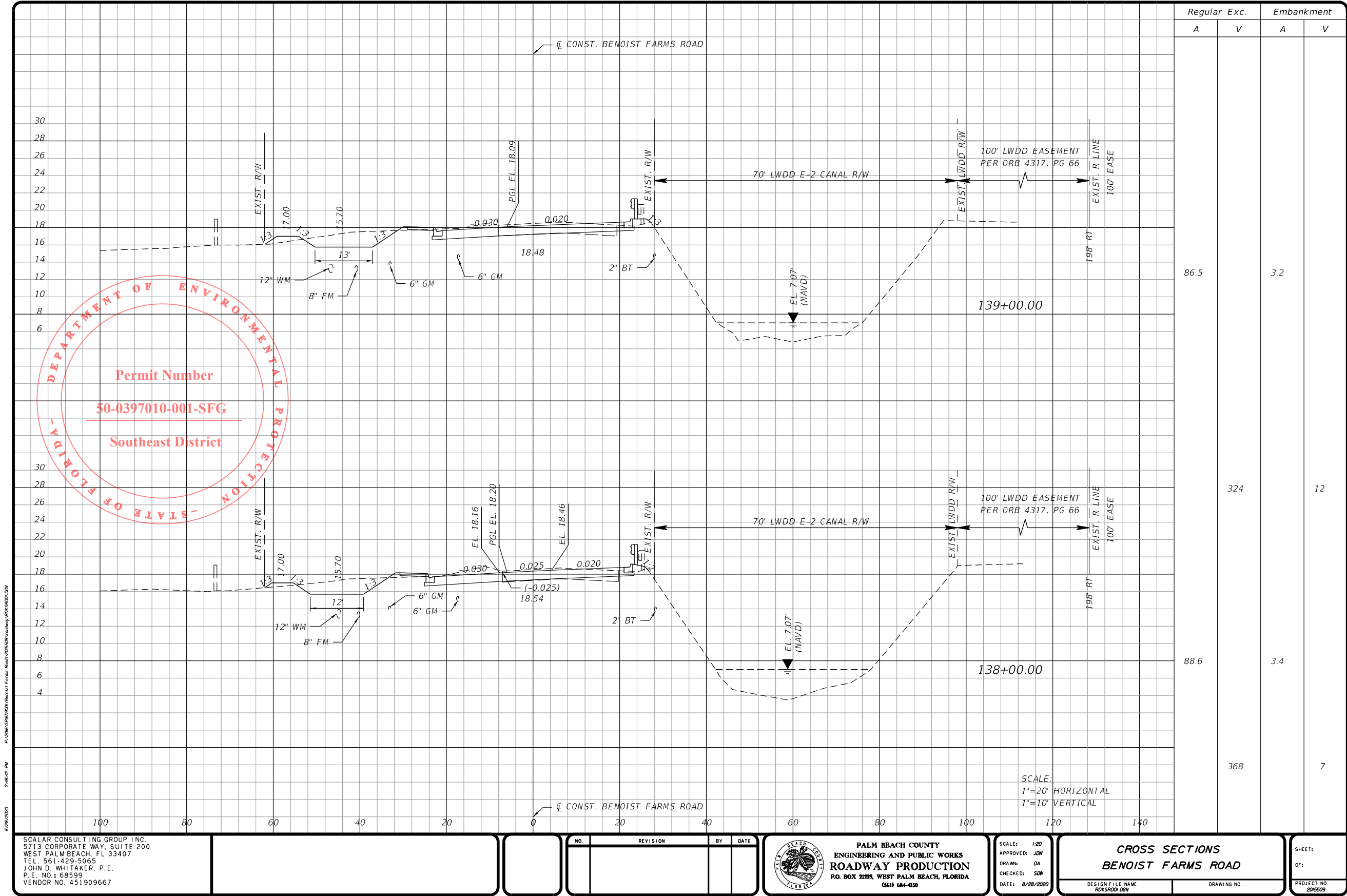
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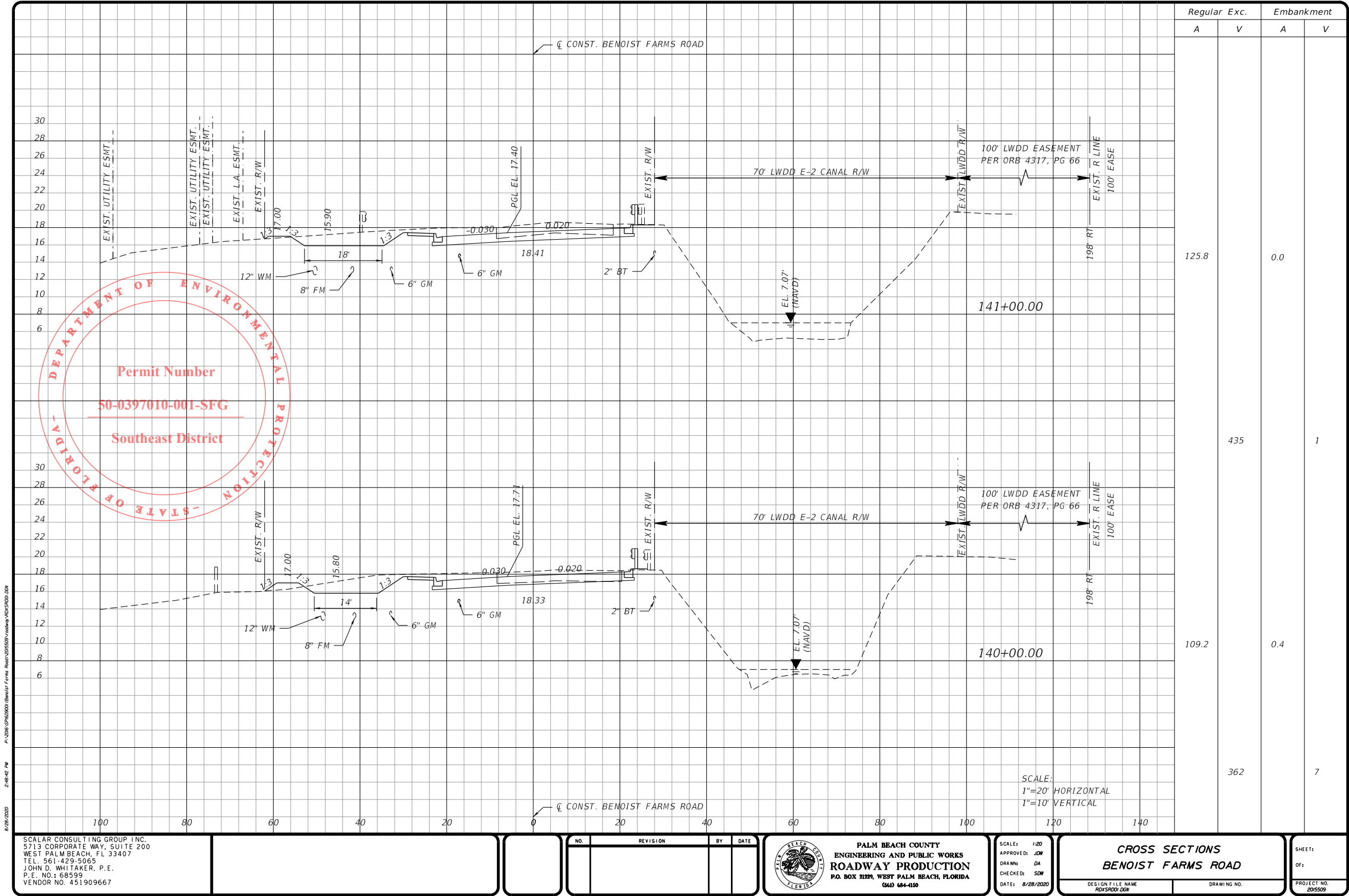
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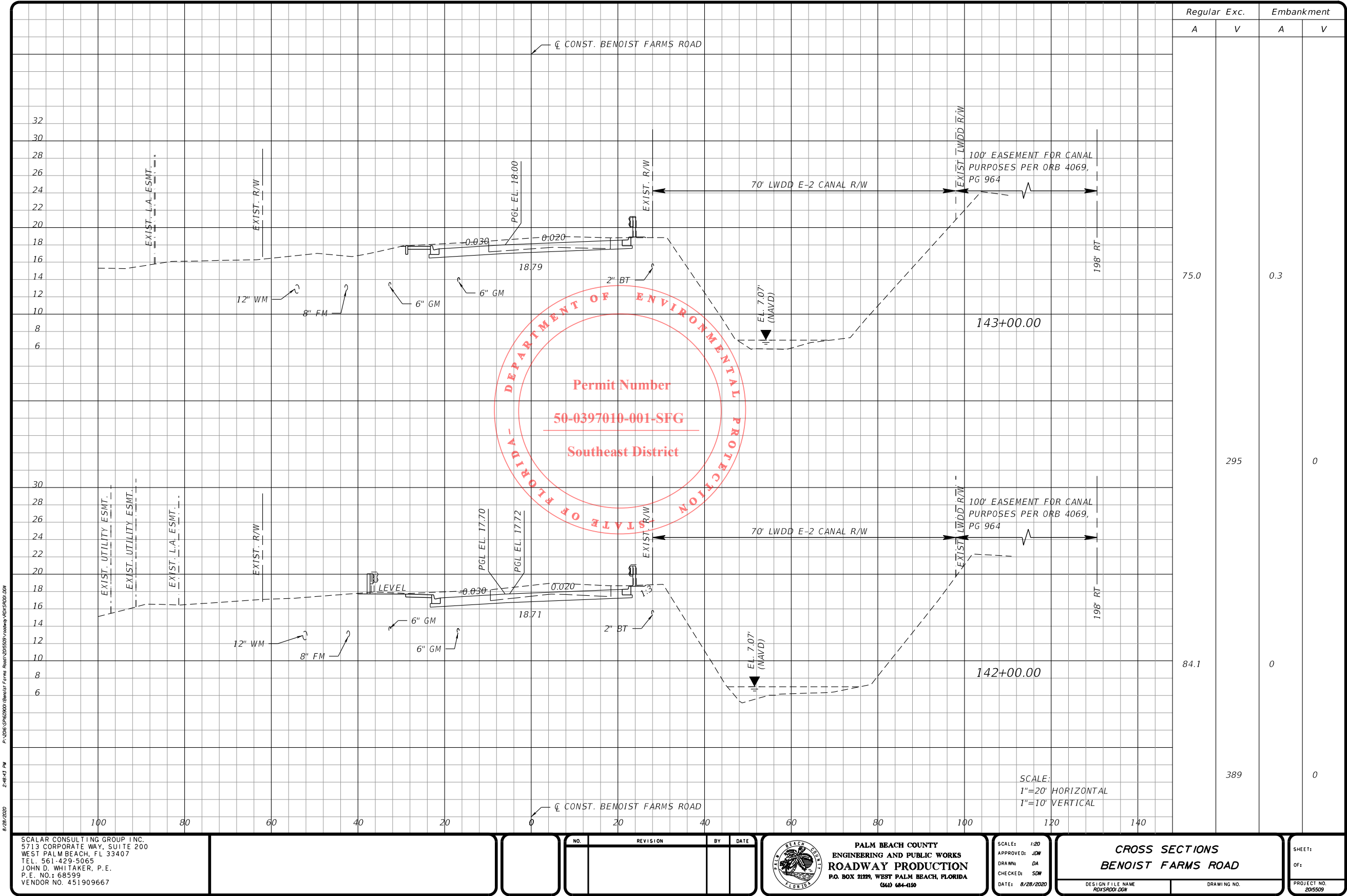
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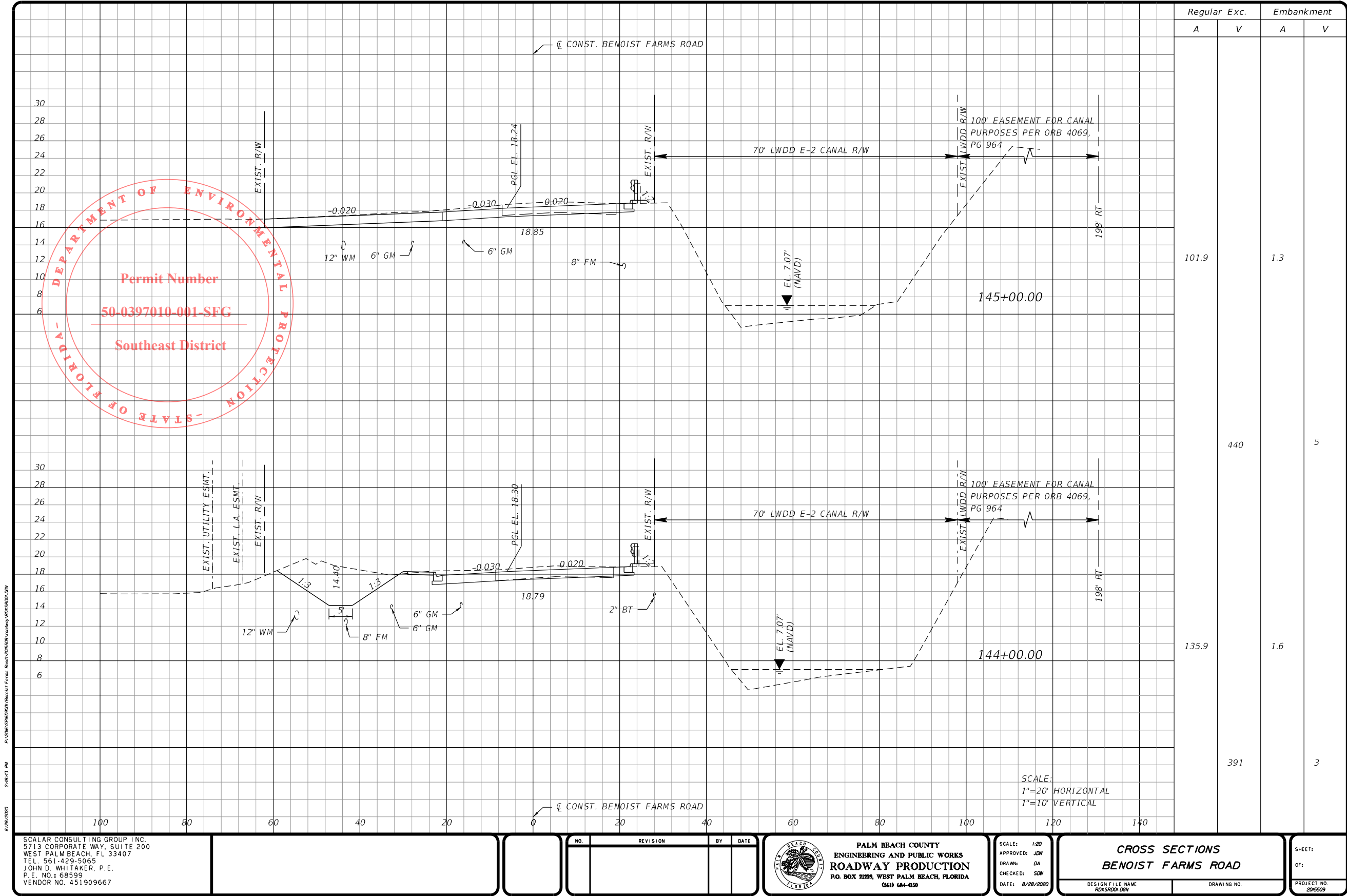
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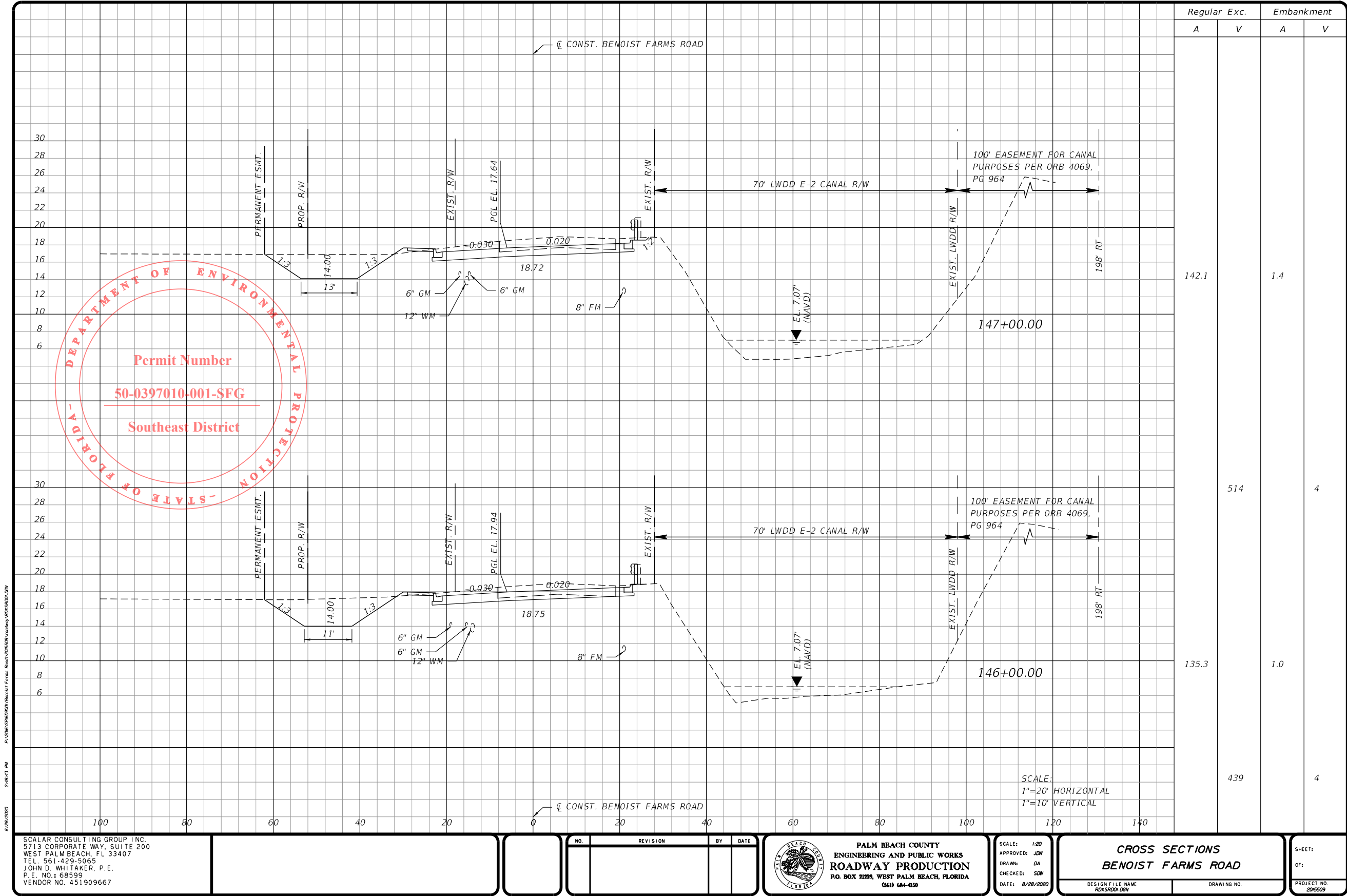
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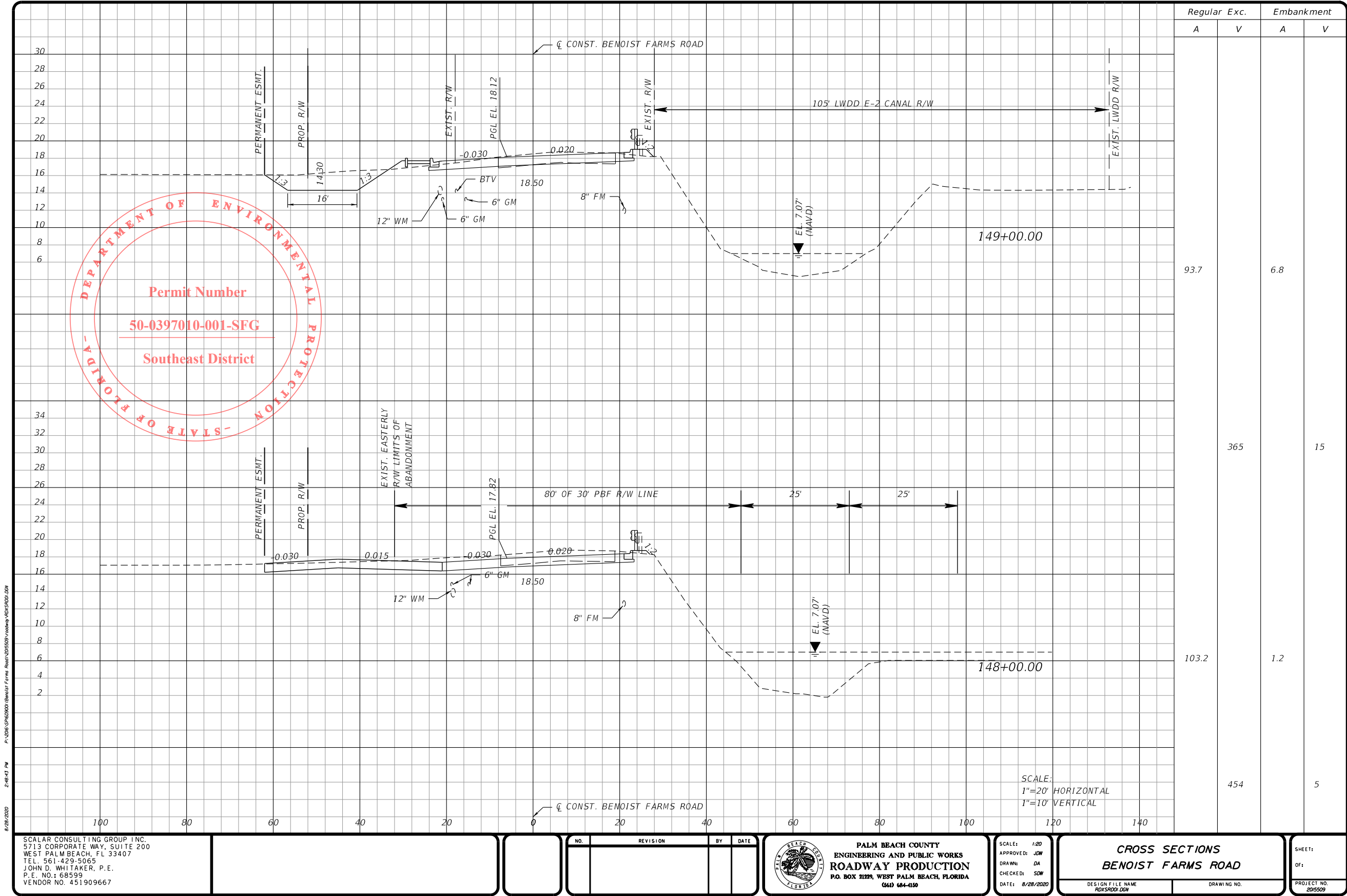
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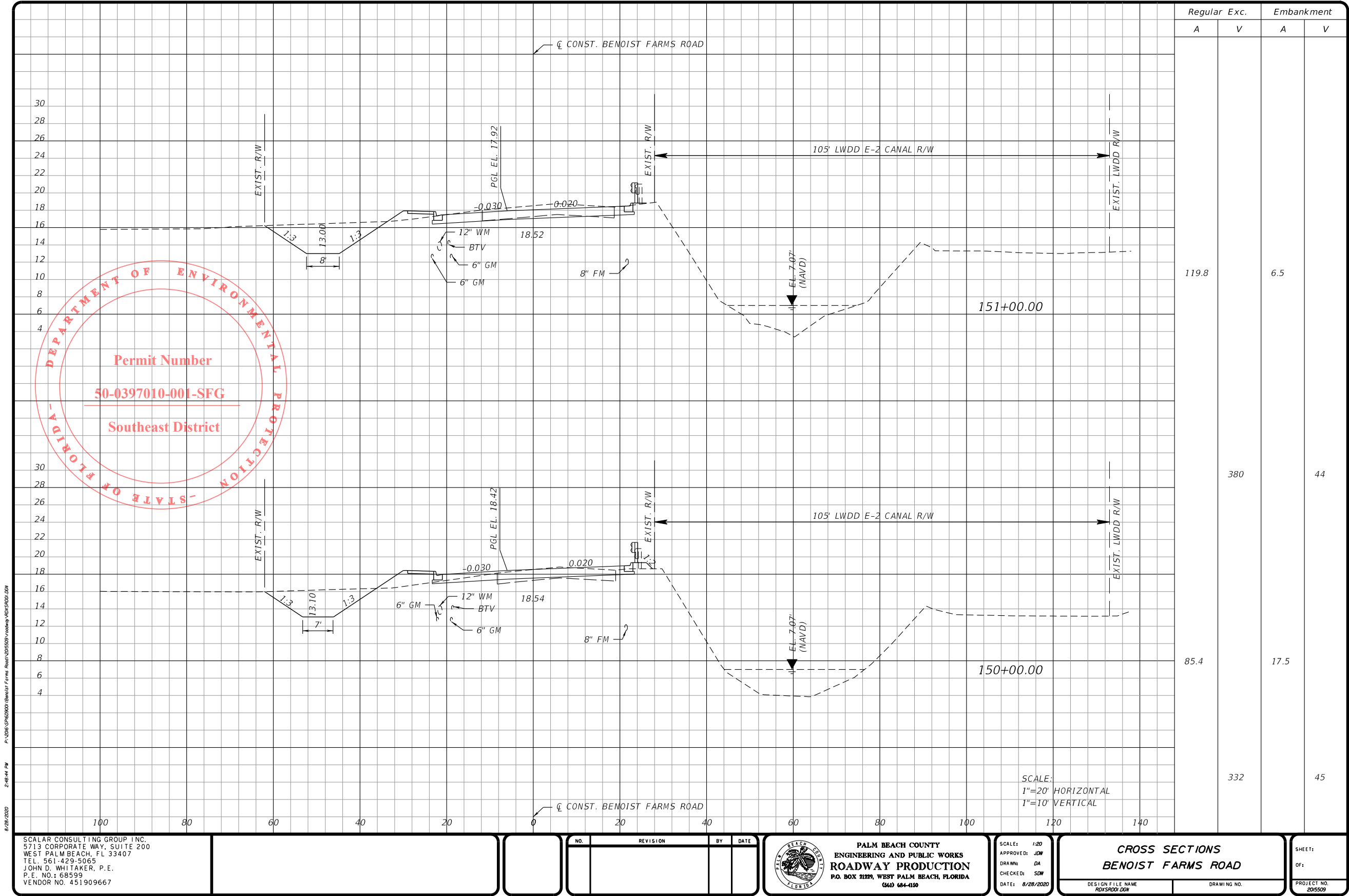
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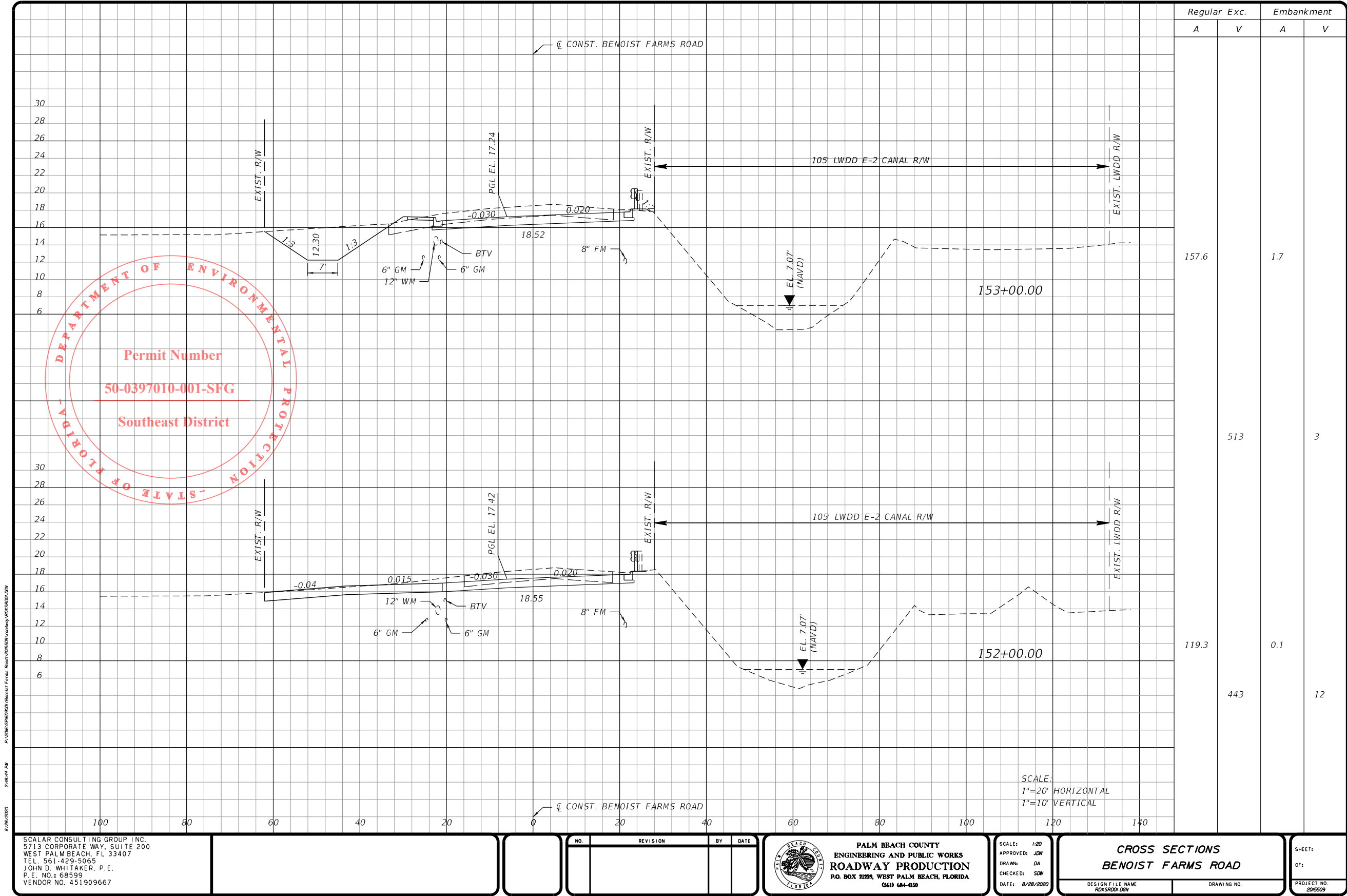
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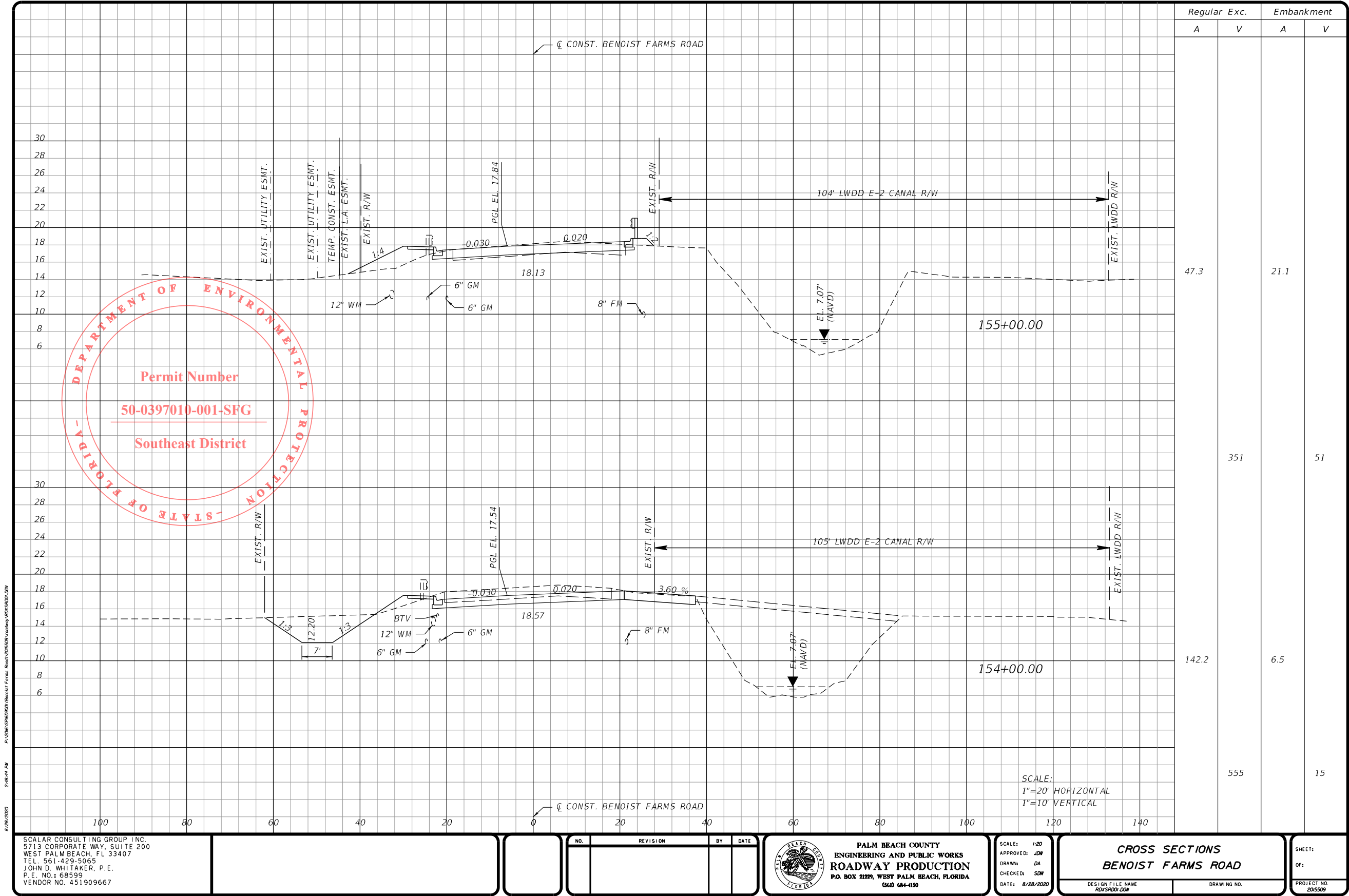
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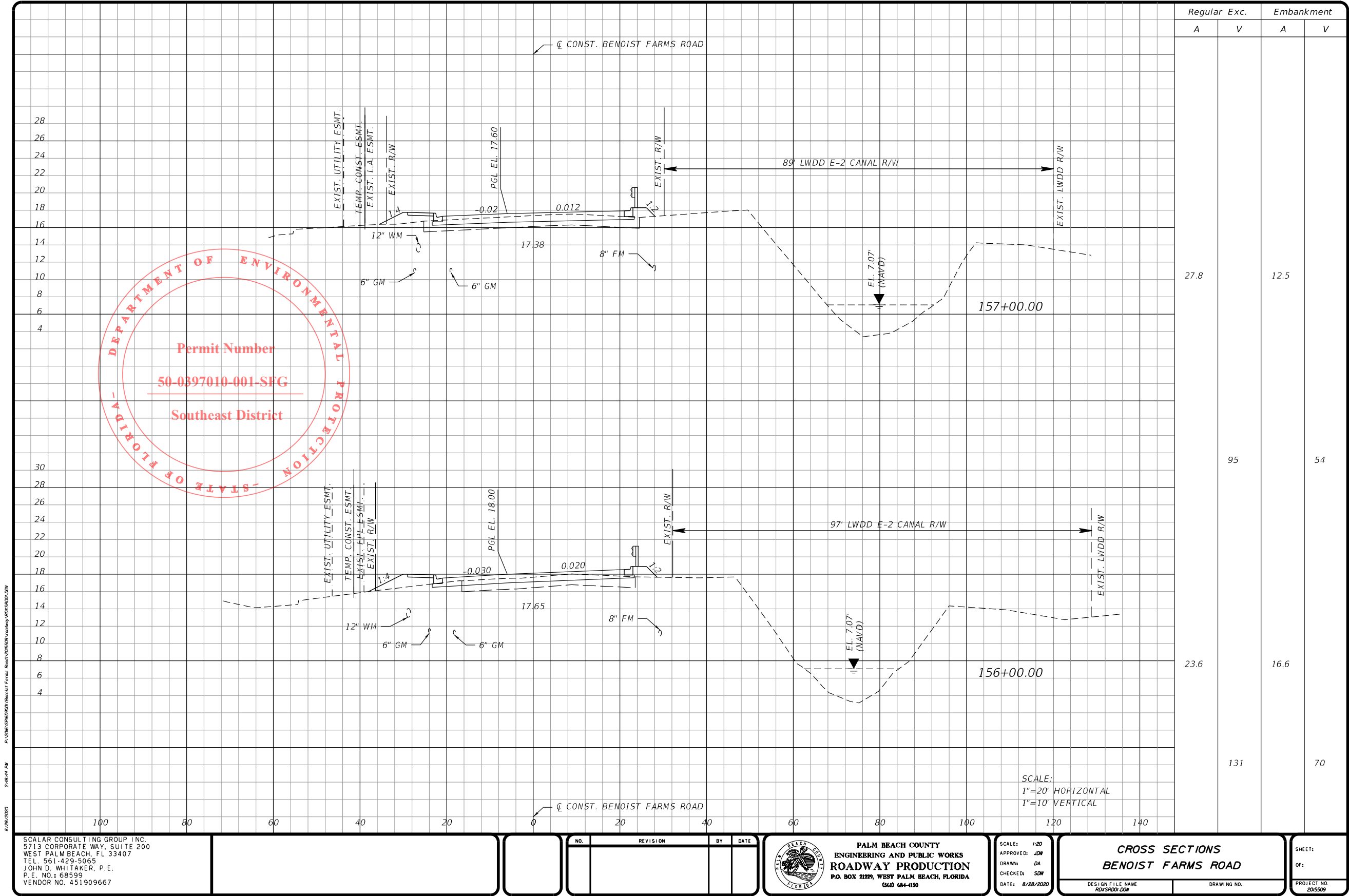
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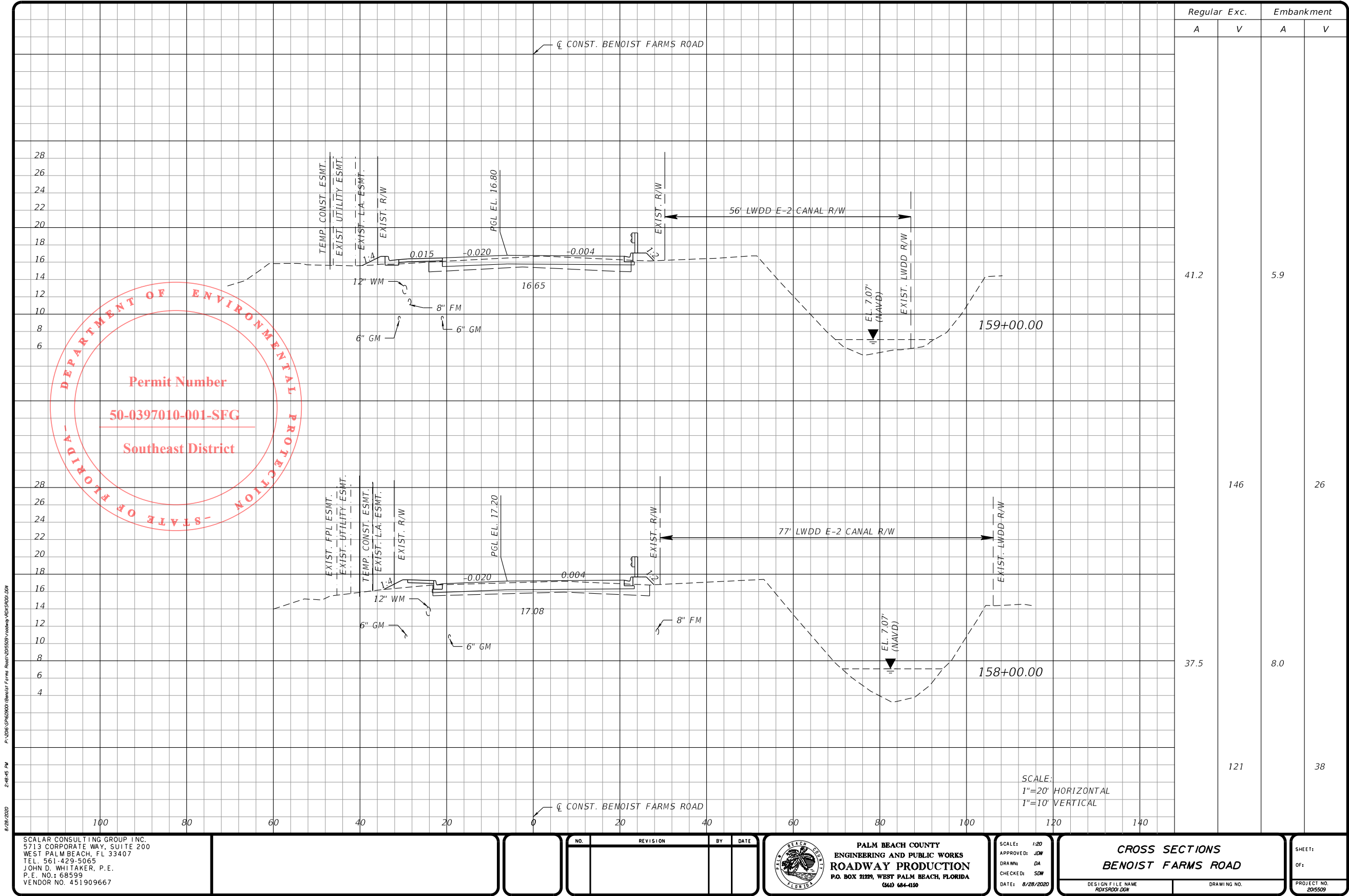
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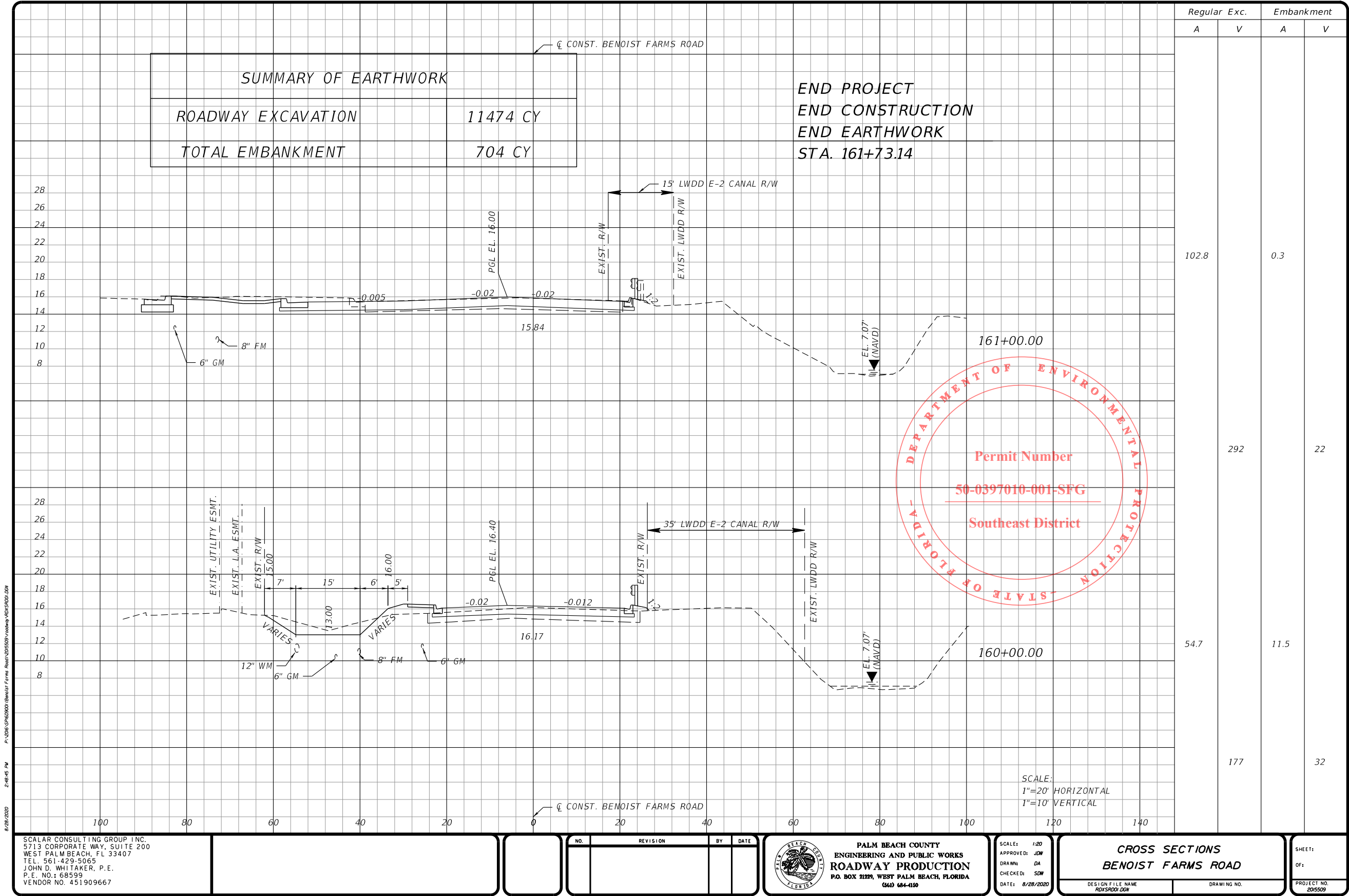
PERMITS



PERMITS



PERMITS



PERMITS

1.0

SITE DESCRIPTION:

LOCATION: LATITUDE 26° 41' 5" N, LONGITUDE, 80° 10' 28" W.
EST. DRAINAGE AREA SIZE: 1.55 ACRES
RECEIVING WATER NAME: LWDD L-4 CANAL

1.A.

NATURE OF CONSTRUCTION ACTIVITY:

THIS PROJECT, LOCATED IN PALM BEACH COUNTY, INVOLVES THE RECONSTRUCTION OF BENOIST FARMS ROAD. THIS INCLUDES WIDENING THE ROADWAY TO THREE LANES ALONG THE MAINLINE AND SIX LANES AT THE SR 80 INTERSECTION WITH CURB AND GUTTER, SIDEWALK ON ONE SIDE, AND DRAINAGE INFRASTRUCTURE. THE PROJECT EXTENDS FROM SOUTHERN BOULEVARD TO BELVEDERE ROAD, A DISTANCE OF APPROXIMATELY 0.869 MILES. BENOIST FARMS ROAD IS BOUNDED ALONG IT'S EAST SIDE BY A LAKE WORTH DRAINAGE DISTRICT (LWDD) CONVEYANCE CANAL (E-2 CANAL), WHICH DRAINS THE IMMEDIATE AREAS AND FLOWS SOUTH TO THE SOUTH FLORIDA WATER MANAGEMENT DISTRICT (SFWMD) C-51 CANAL.

1.B.

SEQUENCE OF MAJOR SOIL DISTURBING ACTIVITIES:

THE FOLLOWING SEQUENCE OF MAJOR ACTIVITIES SHALL BE FOLLOWED UNLESS THE CONTRACTOR CAN PROPOSE AN ALTERNATIVE THAT IS EQUAL TO OR EXCEEDS THE EROSION AND SEDIMENT CONTROL PRACTICES DESCRIBED IN THIS DOCUMENT, AND IS APPROVED BY THE ENGINEER. THE DETAILED SEQUENCE FOR THE ENTIRE PROJECT CAN VARY SIGNIFICANTLY FROM CONTRACTOR TO CONTRACTOR. THE CONTRACTOR IS RESPONSIBLE FOR PROVIDING A DETAILED SEQUENCE OF CONSTRUCTION FOR ALL CONSTRUCTION ACTIVITIES IN THE SECTION 104 EROSION CONTROL PLAN.

1.

PLACEMENT OF ALL EROSION CONTROL DEVICES.

2.

CLEARING AND GRUBBING, EARTHWORK REQUIRED FOR STORM SEWER AND GRADE ADJUSTMENT.

3.

STORM SEWER CONSTRUCTION: ALL STORM SEWER SHALL BE CONSTRUCTED IN THE UPSTREAM DIRECTION.

4.

EARTHWORK AND CONSTRUCTION ASSOCIATED WITH ROADWAY RECONSTRUCTION.

1.C.

AREA ESTIMATES:

TOTAL SITE AREA:

10.05 ACRES

TOTAL AREA TO BE DISTURBED:

10.05 ACRES

1.D.

RUNOFF DATA:

RUNOFF COEFFICIENTS:

BEFORE: 0.57

DURING: VARIES FROM 0.57 TO 0.72

AFTER: 0.72

SOILS DATA: THE RESULTS OF THE SOIL BORINGS ALONG THE ROADWAY ARE SHOWN IN THE ROADWAY SOIL PROFILE SHEETS. IN GENERAL, THE SOILS ARE FINE SANDS.

OUTFALL INFORMATION:

THERE ARE 9 OUTFALLS.

#1 CONTROL STRUCTURE S-8

LOCATION: LATITUDE 26° 40' 51" N, LONGITUDE, 80° 10' 27" W.

EST. DRAINAGE AREA SIZE: 1.73 ACRES

RECEIVING WATER NAME: LWDD E-2 CANAL

#2 CONTROL STRUCTURE S-15

LOCATION: LATITUDE 26° 40' 54" N, LONGITUDE, 80° 10' 27" W.

EST. DRAINAGE AREA SIZE: 118 ACRES

RECEIVING WATER NAME: LWDD E-2 CANAL

#3 CONTROL STRUCTURE S-25

LOCATION: LATITUDE 26° 41' 3" N, LONGITUDE, 80° 10' 28" W.

EST. DRAINAGE AREA SIZE: 116 ACRES

RECEIVING WATER NAME: LWDD L-4 CANAL

#4 CONTROL STRUCTURE S-27

#5 MCALLISTER OUTFALL S-28 (EXISTING)

LOCATION: LATITUDE 26° 41' 12" N, LONGITUDE, 80° 10' 27" W.

EST. DRAINAGE AREA SIZE: 0.31 ACRES

RECEIVING WATER NAME: LWDD E-2 CANAL

#6 FCW OUTFALL S-30 (EXISTING)

LOCATION: LATITUDE 26° 41' 15" N, LONGITUDE, 80° 10' 27" W.

EST. DRAINAGE AREA SIZE: 0.16 ACRES

RECEIVING WATER NAME: LWDD E-2 CANAL

#7 CONTROL STRUCTURE S-37

LOCATION: LATITUDE 26° 41' 16" N, LONGITUDE, 80° 10' 28" W.

EST. DRAINAGE AREA SIZE: 110 ACRES

RECEIVING WATER NAME: LWDD E-2 CANAL

#8 CONTROL STRUCTURE S-47

LOCATION: LATITUDE 26° 41' 24" N, LONGITUDE, 80° 10' 28" W.

EST. DRAINAGE AREA SIZE: 1.19 ACRES

RECEIVING WATER NAME: LWDD E-2 CANAL

#9 CONTROL STRUCTURE S-56

LOCATION: LATITUDE 26° 41' 30" N, LONGITUDE, 80° 10' 27" W.

EST. DRAINAGE AREA SIZE: 1.42 ACRES

RECEIVING WATER NAME: LWDD E-2 CANAL

1.E.

SITE MAP:

THE CONSTRUCTION PLANS ARE BEING USED AS THE SITE MAPS. THE LOCATION OF THE REQUIRED INFORMATION IS DESCRIBED BELOW. THE SHEET NUMBERS FOR THE PLAN SHEETS REFERENCED ARE IDENTIFIED ON THE KEY SHEET OF THESE CONSTRUCTION PLANS.

* DRAINAGE PATTERNS:

THE DRAINAGE BASIN DIVIDES AND FLOW DIRECTIONS ARE SHOWN ON THE DRAINAGE MAPS.

*APPROXIMATE SLOPES:

THE SLOPES OF THE SITE CAN BE SEEN IN THE CROSS-SECTION SHEETS AND THE PLAN-PROFILE SHEETS.

*AREAS OF SOIL DISTURBANCE:

FOR THE PURPOSE OF THIS PLAN, IT IS REASONABLE TO SAY THAT ALL AREAS OF THE PROJECT WILL BE DISTURBED DURING SOME PHASE OF CONSTRUCTION.

*AREAS NOT TO BE DISTURBED:

ESSENTIALLY THE WHOLE PROJECT WILL BE DISTURBED DURING CONSTRUCTION.

*LOCATIONS OF TEMPORARY CONTROLS:

LOCATIONS AND QUANTITIES OF TEMPORARY EROSION AND SEDIMENT CONTROL ITEMS ARE PROVIDED IN THE EROSION CONTROL PLAN SHEET.

* AREAS TO BE STABILIZED:

TEMPORARY STABILIZATION PRACTICES ARE SHOWN IN THE SAME LOCATION AS THE TEMPORARY CONTROLS MENTIONED ABOVE. PERMANENT STABILIZATION IS SHOWN ON THE TYPICAL SECTION SHEET AND THE PLAN-PROFILE SHEETS.

* SURFACE WATERS:

L.W.D.D E-2 AND L-4 CANALS AND PROPOSED DRAINAGE DITCHES WITHIN THIS PROJECT'S R/W.

* DISCHARGE POINTS TO SURFACE WATERS:

SEE BASIN DESCRIPTIONS IN SECTION 1.D ABOVE.

1.F. RECEIVING WATERS:

L.W.D.D. L-4 AND E-2 CANALS

2.0

CONTROLS:

2.A.

EROSION AND SEDIMENT CONTROLS:

THE FOLLOWING DISCUSSION DEFINES GENERAL GUIDELINES FOR THE SEQUENCE OF CONSTRUCTION AND THE USE OF STABILIZATION STRUCTURAL PRACTICES. THE CONTRACTOR IS ALSO RESPONSIBLE FOR DOCUMENTING THIS PORTION OF THE SWPPP IN THE SECTION 104 EROSION CONTROL PLAN. AN EROSION CONTROL PLAN IS ALSO INCLUDED IN THE ROADWAY PLANS.

1.

INSTALL SOIL TRACKING PREVENTION DEVICES (STPDs) AT COMMON AREAS WHERE CONSTRUCTION VEHICLES WILL BE ENTERING AND EXITING THE CONSTRUCTION SITE.

2.

INSTALL STAKED TURBIDITY BARRIER ALONG THE EAST AND WEST RIGHT OF WAY LINE. AT NO LOCATION SHOULD BARRIER BE LOCATED OUTSIDE THE RIGHT-OF-WAY.

3.

PROTECT THE OUTFALL CONTROL STRUCTURE, HEADWALL, AND ALL STORM DRAIN INLETS IDENTIFIED IN THE PLANS USING SEDIMENT BARRIER.

4.

IMMEDIATELY AFTER CONSTRUCTING THE PAVEMENT, STABILIZE THE ENTIRE AREA BETWEEN THE EDGE OF PAVEMENT AND THE LIMITS OF EARTHWORK.

5.

THE CONTRACTOR SHALL HAVE SANDBAGS AVAILABLE AT ALL TIMES DURING ALL PIPE CONSTRUCTION TO SUBSTANTIALLY BLOCK RUNOFF IN THE TRENCH FROM ENTERING THE PIPE.

6.

INSTALL FLOATING TURBIDITY BARRIER AT POINTS OF OUTFALL INTO THE EXISTING CANAL AND MAINTAIN UNTIL ALL UPSTREAM PIPE AND STRUCTURES WORK HAS BEEN COMPLETED FOR SYSTEMS CONNECTED TO OUTFALLS.

2.A.1

STABILIZATION PRACTICES:

TEMPORARY:

* ARTIFICIAL COVERINGS IN ACCORDANCE WITH SPECIFICATION SECTION 104.

* TURF AND SOD IN ACCORDANCE WITH SPECIFICATION SECTION 104.

PERMANENT:

* ASPHALT OR CONCRETE SURFACE, OR SOD IN ACCORDANCE WITH SPECIFICATION SECTION 570.

2.A.2

STRUCTURAL PRACTICES:

TEMPORARY:

* SEDIMENT BARRIERS IN ACCORDANCE WITH THE STATE EROSION AND SEDIMENT CONTROL MANUAL AND SPECIFICATION SECTION 104.

* INLET PROTECTION IN ACCORDANCE WITH THE STATE EROSION AND SEDIMENT CONTROL MANUAL.

PERMANENT:

* SOD.

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SCALAR CONSULTING GROUP INC.
5713 CORPORATE WAY, SUITE 200
WEST PALM BEACH, FL 33407
TEL. 561-429-5065
JOHN D. WHITAKER, P.E.
P.E. NO.: 68599
VENDOR NO. 451909667

NO.

REVISION

BY

DATE



PALM BEACH COUNTY

ENGINEERING AND PUBLIC WORKS

ROADWAY PRODUCTION

P.O. BOX 21229, WEST PALM BEACH, FLORIDA

(561) 684-4150

SCALE: N/S

APPROVED: JOW

DRAWN: DA

CHECKED: SDW

DATE: 8/28/2020

DESIGN FILE NAME
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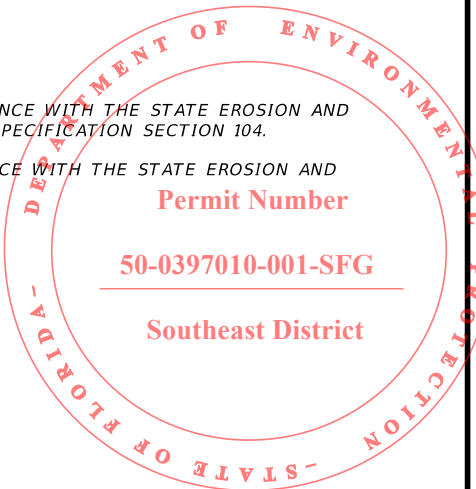
DRAWING NO.

SHEET:

OF:

PROJECT NO.
2015509

STORMWATER POLLUTION
PREVENTION PLAN



Permit Number

50-0397010-001-SFG

Southeast District

PERMITS

2.B STORMWATER MANAGEMENT:

2.C OTHER CONTROLS:

2.C.1 WASTE DISPOSAL:

THE CONTRACTOR IS SOLELY RESPONSIBLE FOR DOCUMENTING THIS PORTION OF THE SWPPP IN THE SECTION 104 EROSION CONTROL PLAN.

2.C.2 OFF-SITE VEHICLE TRACKING & DUST CONTROL:

SOIL TRACKING PREVENTION DEVICES WILL BE INSTALLED AT ALL LOCATIONS WHERE CONSTRUCTION VEHICLES WILL BE CARRYING SOIL AWAY FROM THE PROJECT SITE. IN ADDITION, CONSTRUCTION VEHICLES WILL BE REQUIRED TO COVER THEIR LOADS TO MINIMIZE LOSS OF LOAD INTO THE AIR. THE CONTRACTOR IS ALSO RESPONSIBLE FOR DOCUMENTING THIS PORTION OF THE SWPPP IN THE SECTION 104 EROSION CONTROL PLAN.

2.C.3 STATE AND LOCAL REGULATIONS FOR WASTE DISPOSAL, SANITARY SEWER, OR SEPTIC TANK REGULATIONS:

IN THE SECTION 104 EROSION CONTROL PLAN, THE CONTRACTOR SHALL DESCRIBE THE PROPOSED PROCEDURES TO COMPLY WITH APPLICABLE STATE AND LOCAL REGULATIONS FOR WASTE DISPOSAL, AND SANITARY SEWER OR SEPTIC SYSTEMS.

2.C.4 FERTILIZERS AND PESTICIDES:

IN THE SEDIMENT AND EROSION CONTROL PLAN, THE CONTRACTOR SHALL DESCRIBE THE PROCEDURES FOR APPLYING FERTILIZERS AND PESTICIDES. THE PROPOSED PROCEDURES SHALL COMPLY WITH APPLICABLE SUBSECTIONS OF SECTION 570 OF THE SPECIFICATIONS.

2.C.5 TOXIC SUBSTANCES:

IN THE SEDIMENT AND EROSION CONTROL PLAN, THE CONTRACTOR SHALL PROVIDE A LIST OF TOXIC SUBSTANCES THAT ARE LIKELY TO BE USED ON THE JOB AND PROVIDE A PLAN ADDRESSING THE GENERATION, APPLICATION, MIGRATION, STORAGE, AND DISPOSAL OF THESE SUBSTANCES.

2.C.6 APPROVED STATE AND LOCAL PLANS AND PERMITS:

SOUTH FLORIDA WATER MANAGEMENT DISTRICT (SFWMD) - ENVIRONMENTAL RESOURCE PERMIT # TBD

LAKE WORTH DRAINAGE DISTRICT (LWDD) - DRAINAGE PERMIT # TBD

FLORIDA DEPARTMENT OF ENVIRONMENTAL PROTECTION NPDES PERMIT

3.0 MAINTENANCE:

* SILT FENCE: MAINTAIN PER SECTION 104. THE CONTRACTOR SHOULD ANTICIPATE REPLACING SILT FENCE ON 12 MONTH INTERVALS.

* SEDIMENT BARRIERS: REMOVE SEDIMENT AS PER MANUFACTURER'S RECOMMENDATIONS OR WHEN WATER PONDS IN UNACCEPTABLE AMOUNTS OR AREAS.

4.0 INSPECTIONS:

QUALIFIED PERSONNEL SHALL INSPECT THE FOLLOWING ITEMS AT LEAST ONCE EVERY SEVEN CALENDAR DAYS AND WITHIN 24 HOURS OF THE END OF A STORM THAT IS 0.50 INCHES OR GREATER. TO COMPLY, THE CONTRACTOR SHALL INSTALL AND MAINTAIN RAIN GAUGES AND RECORD THE DAILY RAINFALL. WHERE SITES HAVE BEEN PERMANENTLY STABILIZED, INSPECTIONS SHALL BE CONDUCTED AT LEAST ONCE EVERY MONTH. THE CONTRACTOR SHALL ALSO INSPECT THAT CONTROLS INSTALLED IN THE FIELD AGREE WITH THE LATEST STORMWATER POLLUTION PREVENTION PLAN.

* POINTS OF DISCHARGE TO WATERS OF THE UNITED STATES.

* POINTS OF DISCHARGE TO MUNICIPAL SEPARATE STORM DRAIN SYSTEMS.

* DISTURBED AREAS OF THE SITE THAT HAVE NOT BEEN FINALLY STABILIZED.

* AREAS USED FOR STORAGE OF MATERIALS THAT ARE EXPOSED TO

PRECIPITATION.

* STRUCTURAL CONTROLS.

* STORMWATER MANAGEMENT SYSTEMS.

* LOCATIONS WHERE VEHICLES ENTER OR EXIT THE SITE.

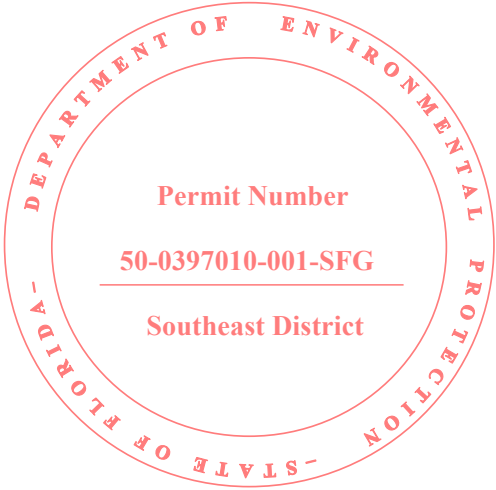
THE CONTRACTOR SHALL INITIATE REPAIRS WITHIN 24 HOURS OF INSPECTIONS THAT INDICATE ITEMS ARE NOT IN GOOD WORKING ORDER.

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 APPROVED BY THE ENGINEER.

5.0 NON-STORMWATER DISCHARGES:

IN THE SECTION 104 EROSION CONTROL PLAN, THE CONTRACTOR SHALL IDENTIFY ALL ANTICIPATED NON-STORMWATER DISCHARGES (EXCEPT FLOWS FROM FIRE FIGHTING ACTIVITIES). THE CONTRACTOR SHALL DESCRIBE THE PROPOSED MEASURES TO PREVENT POLLUTION OF THESE NON-STORMWATER DISCHARGES.

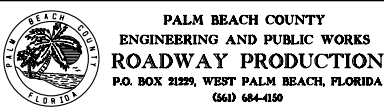
IF CONTAMINATED SOIL OR GROUNDWATER IS ENCOUNTERED, OPERATIONS SHALL CEASE IN THAT AREA. PBC PROJECT ENGINEER SHALL BE CONTACTED, WHO WILL THEN NOTIFY THE PBC CONTAMINATION IMPACT COORDINATOR.



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8/28/2020

SCALAR CONSULTING GROUP INC.
5713 CORPORATE WAY, SUITE 200
WEST PALM BEACH, FL 33407
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JOHN D. WHITAKER, P.E.
P.E. NO.: 68599
VENDOR NO. 451909667

NO.	REVISION	BY	DATE

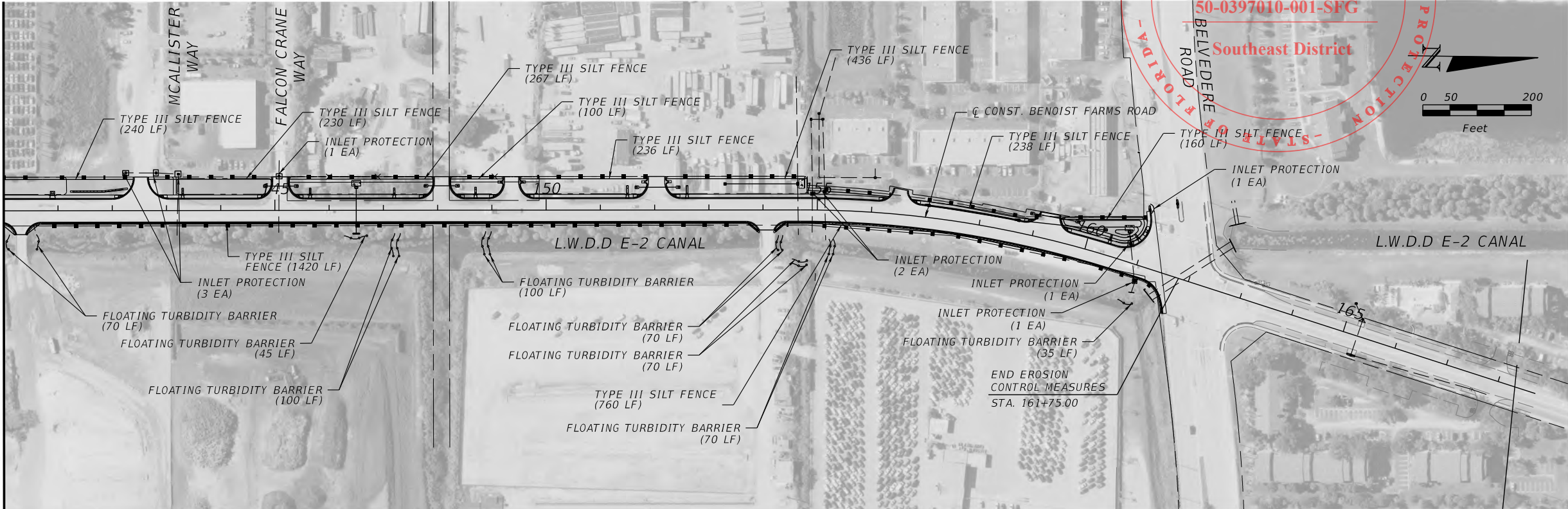
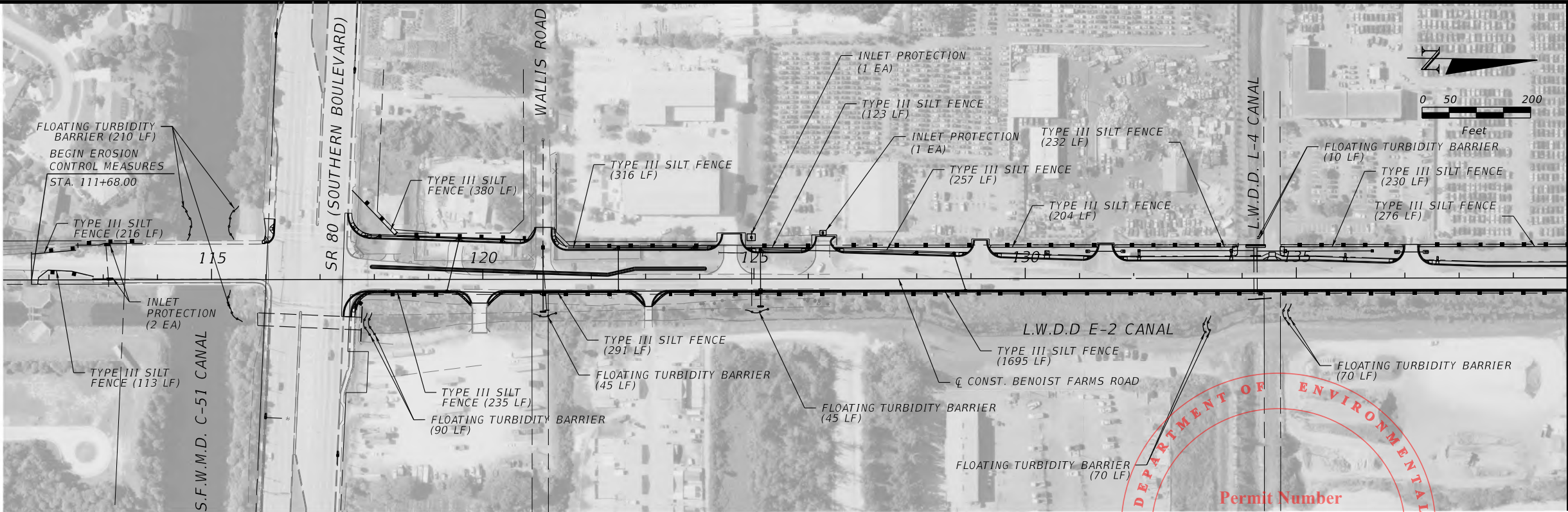


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APPROVED:	JDW
DRAWN:	DA
CHECKED:	SDW
DATE:	8/28/2020

STORMWATER POLLUTION PREVENTION PLAN	
DESIGN FILE NAME SWPPP001.DGN	DRAWING NO.


SHEET:
OF:
PROJECT NO. 2015509

PERMITS



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NO.	REVISION	BY	DATE



PALM BEACH COUNTY
ENGINEERING AND PUBLIC WORKS
ROADWAY PRODUCTION
P.O. BOX 21229, WEST PALM BEACH, FLORIDA
(561) 684-4150

SCALE: 1/200
APPROVED: JOW
DRAWN: DA
CHECKED: SDW
DATE: 8/28/2020

EROSION CONTROL PLAN
BENOIST FARMS ROAD
DESIGN FILE NAME
ERC17001.dgn

DRAWING NO.

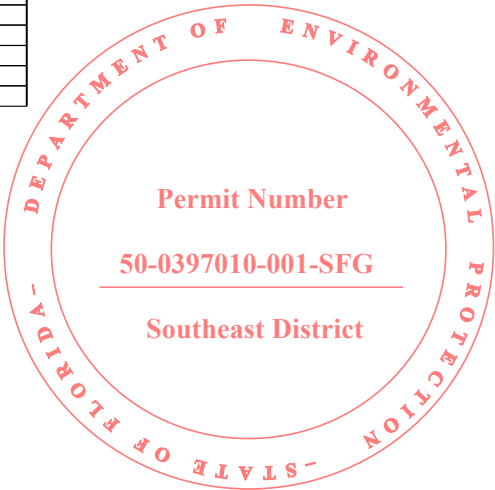
SHEET:
OF:
PROJECT NO.
205509

PERMITS

TEST HOLE (TH) SCHEDULE (PALM BEACH COUNTY WATER UTILITIES DEPARTMENT)

TH#	TYPE OF UTILITY	SIZE & MATERIAL	UTILITY DIRECTION	COVER	TOP OF UTILITY ELEV.	NORTHING / EASTING	SURVEY PIN
1	WATER MAIN	12" DUCTILE IRON	N/S	3.92	14.29	855344.319 / 925766.328	18.40
2	SANITARY FORCE MAIN	8" DUCTILE IRON	N/S	4.36	13.81	855356.242 / 925765.874	18.05
3	SANITARY FORCE MAIN	UNKNOWN	N/S	4.48	12.91	856382.472 / 925743.528	17.32
4	WATER MAIN	8" DUCTILE IRON	N/S	3.17	14.35	856398.714 / 925747.862	17.41
5	WATER MAIN	10" DUCTILE IRON	N/S	3.04	13.21	856213.645 / 925735.504	16.26
6	SANITARY FORCE MAIN	8" DUCTILE IRON	N/S	2.72	13.41	856213.668 / 925744.688	16.13
7	SANITARY FORCE MAIN	8" PVC	N/S	3.98	11.77	857760.836 / 925776.588	15.90
8	SANITARY FORCE MAIN	6" DUCTILE IRON	N/S	4.19	11.42	857848.487 / 925797.127	15.50

NOTE: ABOVE INFORMATION WAS PROVIDED BY PBCWUD BASED ON FIELD SURVEY



TEST HOLE (TH) SCHEDULE (FLORIDA PUBLIC UTILITIES)

TH#	STATION (+/-)	OFFSET (+/-)	TYPE OF UTILITY	SIZE & MATERIAL	UTILITY DIRECTION	COVER	TOP OF UTILITY ELEV. (+/-)
1	135+89	22.5' LT	GAS MAIN	6" STEEL	NW/SE	2.70	15.44
2	140+56	39.5' LT	GAS MAIN	6" STEEL	N/S	4.20	13.44
3	141+16	16.7' LT	GAS MAIN	6" STEEL	N/S	4.10	13.92
4	144+60	16.0' LT	GAS MAIN	6" STEEL	N/S	3.30	15.19
5	156+00	23.0' LT	GAS MAIN	6" STEEL	N/S	4.90	11.90
6	156+00	26.0' LT	GAS MAIN	6" STEEL	N/S	3.10	13.58
7	158+68	26.0' LT	GAS MAIN	6" STEEL	N/S	4.00	11.78
8	159+88	24.5' LT	GAS MAIN	6" STEEL	N/S	3.50	12.05
9	159+88	41.8' LT	GAS MAIN	6" STEEL	N/S	3.20	11.02
10	160+60	31.0' LT	GAS MAIN	6" STEEL	N/S	3.40	11.92
11	160+60	59.0' LT	GAS MAIN	6" STEEL	N/S	3.20	10.85

NOTE: LOCATION AND DEPTHS OF COVER PROVIDED BY FPU BASED ON PROVIDED UTILITY MARKUPS

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SCALAR CONSULTING GROUP INC.
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SCALE:	NTS
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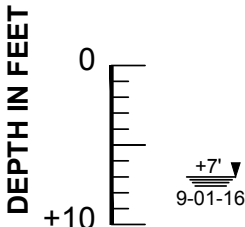
VERIFIED UTILITIES BENOIST FARMS ROAD	
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SHEET:
OF:
PROJECT NO. 2015509

PERMITS

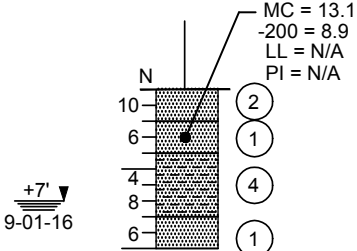
BORING NO.
ELEVATION:
LATITUDE:
LONGITUDE:
RIG:
HAMMER:
DRILLER:
DATE:

B-1
N/A
N26°40'50.1
W080°10'27.4
CME 45
AUTO
TIM F.
9/01/16



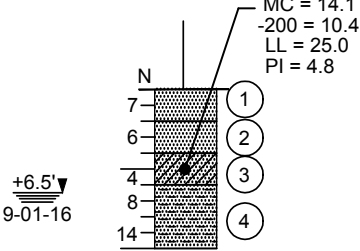
B.T. @ 10'

B-2
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CME 45
AUTO
TIM F.
9/01/16



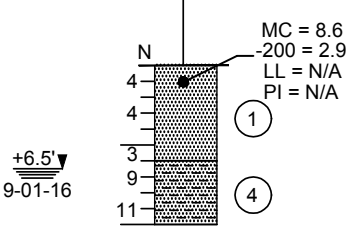
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CME 45
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9/01/16



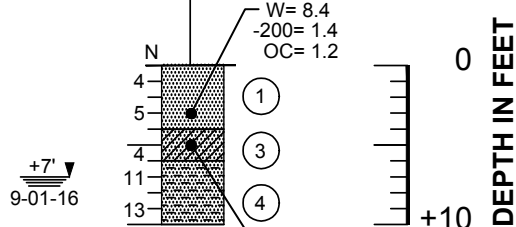
B.T. @ 10'

B-4
N/A
N26°41'19.0
W080°16'27.5
CME 45
AUTO
TIM F.
9/01/16



B.T. @ 10





B-5
N/A
N26°41'27.5
W080°10'27.2
CME 45
AUTO
TIM F.
9/01/16



B.T. @ 10

- MC = 33.1
- 200 = 13.6
- LL = 29.0
- PI = 14.0

LEGEND

- | | | |
|---|---|--|
|  | ① | BROWN TO GRAY, FINE TO MEDIUM SAND, TRACE TO LITTLE SILT, TRACE ORGANICS, TRACE SHELL FRAGMENTS, OCCASIONAL TRACE TO FEW GRAVEL (A-3, A-2-4) |
|  | ② | BROWN, FINE TO MEDIUM, SAND (A-3) |
|  | ③ | BROWN TO GRAY, FINE TO MEDIUM SAND, WITH SILTY CLAY TO SILTY CLAYEY SAND (A-2-4) |
|  | ④ | BROWN, SHELLY, SAND (A-3) |

B.T. @ 6' BORING TERMINATED AT 6' BELOW
THE EXISTING GROUND SURFACE

GNE GROUNDWATER NOT ENCOUNTERED

A-3 AASHTO SOIL CLASSIFICATION SYSTEM
GROUP SYMBOL (ASTM D 3282)

W = MOISTURE CONTENT (%)


OC = ORGANIC CONTENT (%)

-200 = AMOUNT PASSING US STANDARD
200 SIEVE (%)

LL = LIQUID LIMIT(%)

PL = PLASTIC LIMIT(%)

PI = PLASTICITY INDEX (%)

8.6'  GROUNDWATER DEPTH IN FEET
8-30-16 AND DRILLING DATE

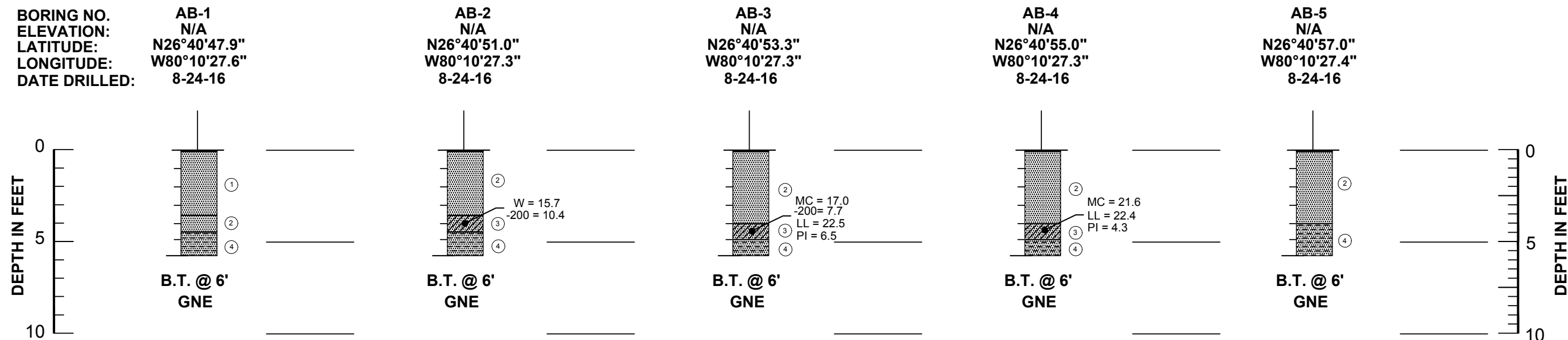
NOTES

- (1) BORINGS WERE DRILLED IN AUGUST AND SEPTEMBER OF 2016.
- (2) AUGER BORINGS WERE PERFORMED USING HAND OPERATED AUGER EQUIPMENT (ASTM D 1452).
- (3) SPT BORINGS WERE PERFORMED USING A CME-45 TRUCK RIG (ASTM D 1586).
- (4) AFTER COMPLETION OF DRILLING, BOREHOLES WERE BACKFILLED WITH GROUT.
- (5) STRATA BOUNDARIES ARE APPROXIMATE AND REPRESENT SOIL STRATA AT EACH TEST HOLE LOCATION ONLY. SOIL TRANSITIONS MAY BE MORE GRADUAL THAN IMPLIED.
- (6) GROUNDWATER LEVEL FLUCTUATIONS SHOULD BE ANTICIPATED THROUGHOUT THE YEAR.





REVISIONS

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PERMITS



LEGEND

- | | | |
|---|---|--|
|  | ① | BROWN TO GRAY, FINE TO MEDIUM SAND, TRACE TO LITTLE SILT, TRACE ORGANICS, TRACE SHELL FRAGMENTS, OCCASIONAL TRACE TO FEW GRAVEL (A-3, A-2-4) |
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B.T. @ 6' BORING TERMINATED AT 6' BELOW
THE EXISTING GROUND SURFACE

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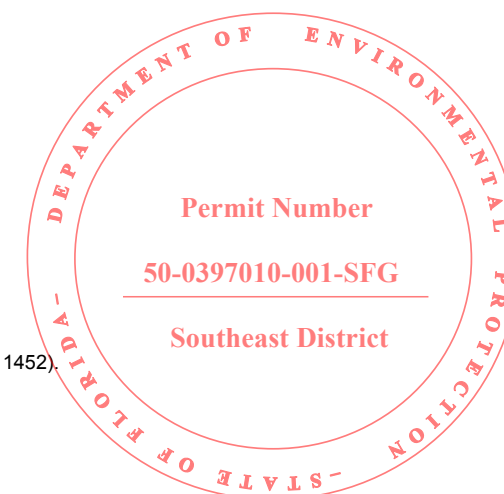
PI = PLASTICITY INDEX (%)

8.6' ▼
=====

8-30-16 GROUNDWATER DEPTH IN FEET
AND DRILLING DATE

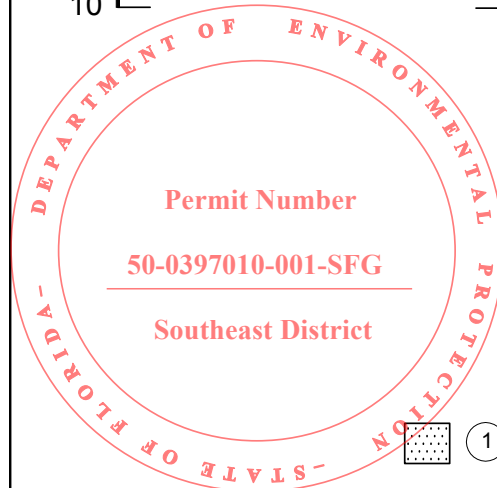
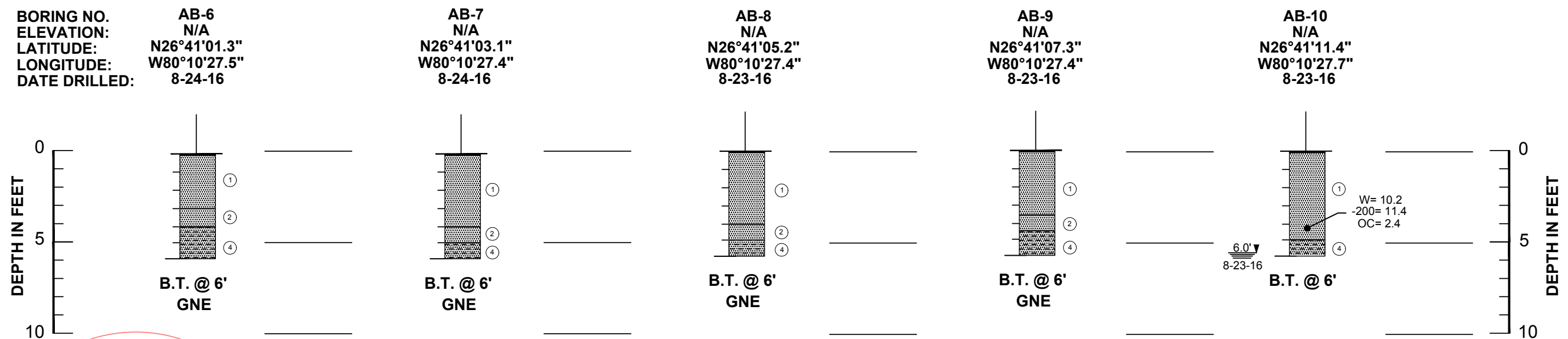
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



REVISIONS						Names		Dates	 RADISE <small>INTERNATIONAL CONSULTING & SOFTWARE DEVELOPMENT</small> LICENSE NO. - 8901	ENGINEER OF RECORD RADISE International 4152 West Blue Heron Boulevard, Suite 1114 Riviera Beach, Florida, 33404 TEL 561-841-0103 FAX 561-841-0104 URL : http:// www.radise.net		PALM BEACH COUNTY		SCALE: VERTICAL N.T.S.	SHEET TITLE: ROADWAY SOIL PROFILES - AUGER BORINGS	SHEET NO.
Date.	By	Descriptions	Date.	By	Descriptions	Drawn by				COUNTY	CLIENT	SCALE: HORIZONTAL N.T.S.	PROJECT NAME: BENOIST FARMS ROAD	PROJECT NO: 2015509		
						Checked by										
						Designed by										
						Checked by										
						Approved by										

PERMITS



LEGEND

- 
 ① BROWN TO GRAY, FINE TO MEDIUM SAND, TRACE TO LITTLE SILT, TRACE ORGANICS, TRACE SHELL FRAGMENTS, OCCASIONAL TRACE TO FEW GRAVEL (A-3, A-2-4)
- 
 ② BROWN, FINE TO MEDIUM, SAND (A-3)
- 
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- 
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B.T. @ 6' BORING TERMINATED AT 6' BELOW
THE EXISTING GROUND SURFACE

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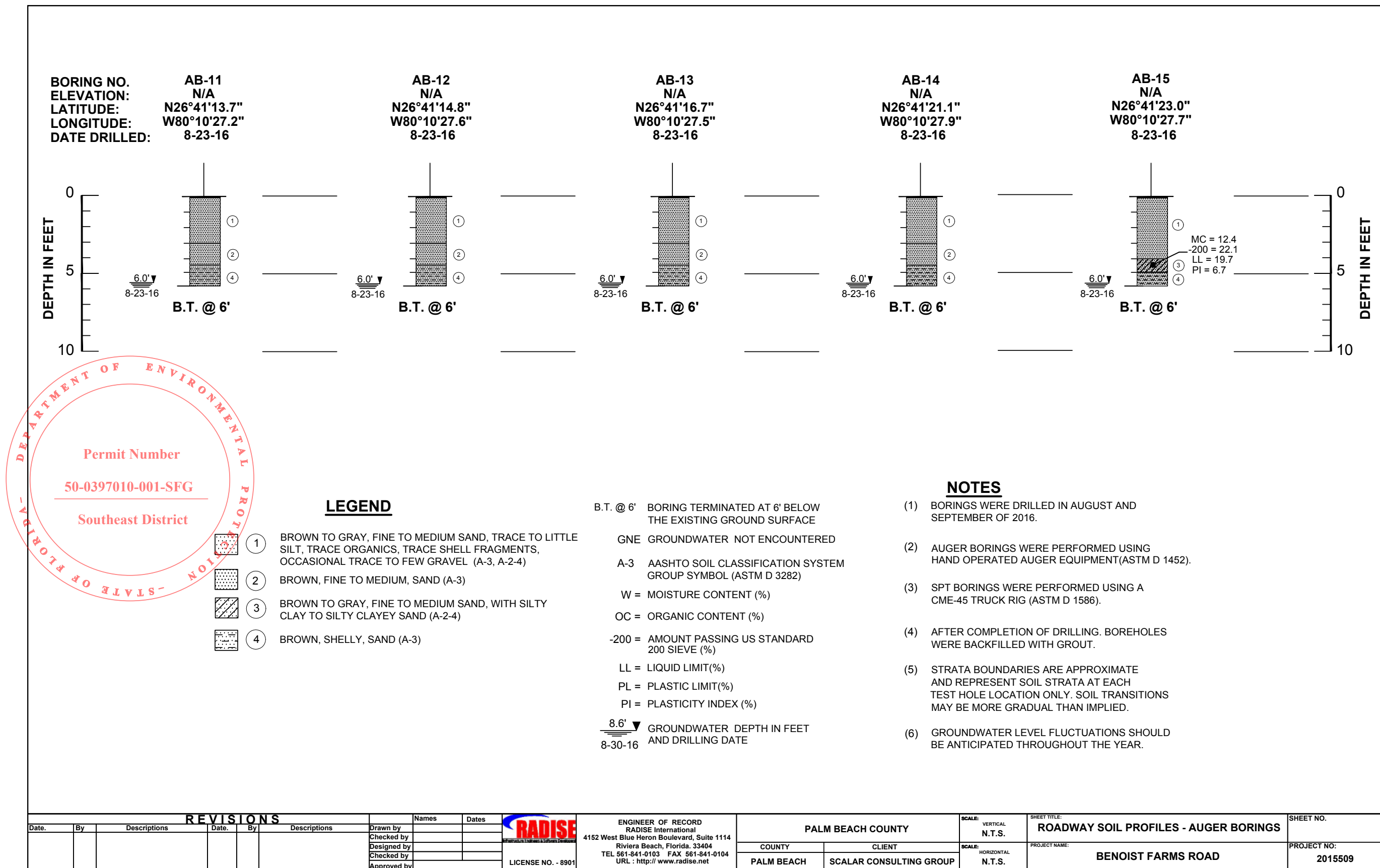
8.6' ▼ GROUNDWATER DEPTH IN FEET
8-30-16 AND DRILLING DATE

NOTES

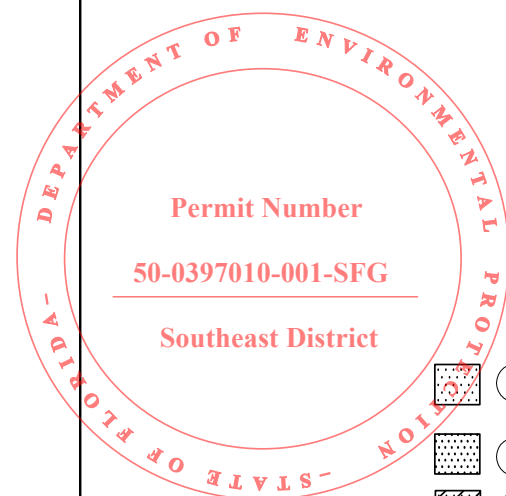
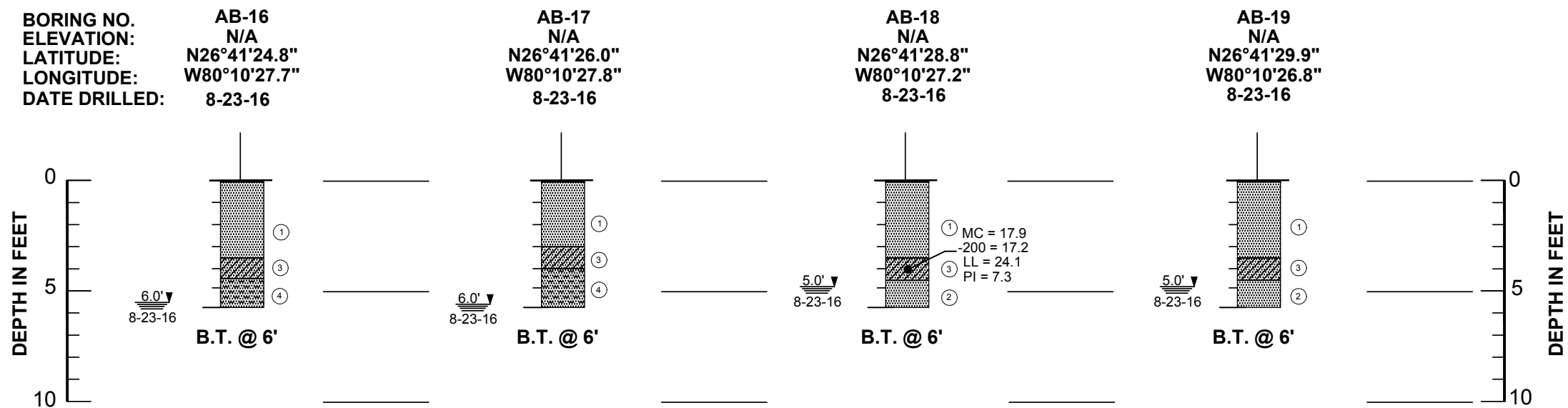
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- (2) AUGER BORINGS WERE PERFORMED USING HAND OPERATED AUGER EQUIPMENT (ASTM D 1452).
- (3) SPT BORINGS WERE PERFORMED USING A CME-45 TRUCK RIG (ASTM D 1586).
- (4) AFTER COMPLETION OF DRILLING, BOREHOLES WERE BACKFILLED WITH GROUT.
- (5) STRATA BOUNDARIES ARE APPROXIMATE AND REPRESENT SOIL STRATA AT EACH TEST HOLE LOCATION ONLY. SOIL TRANSITIONS MAY BE MORE GRADUAL THAN IMPLIED.
- (6) GROUNDWATER LEVEL FLUCTUATIONS SHOULD BE ANTICIPATED THROUGHOUT THE YEAR.

REVISIONS										Names		Dates		 <small>Infrastructure Engineers & Software Developers</small> LICENSE NO. - 8901	ENGINEER OF RECORD RADISE International 4152 West Blue Heron Boulevard, Suite 1114 Riviera Beach, Florida. 33404 TEL 561-841-0103 FAX 561-841-0104 URL : http:// www.radise.net				PALM BEACH COUNTY				SCALE: VERTICAL N.T.S.		SHEET TITLE: ROADWAY SOIL PROFILES - AUGER BORINGS		SHEET NO.	
Date.	By	Descriptions			Date.	By	Descriptions			Drawn by					COUNTY		CLIENT		SCALE: HORIZONTAL N.T.S.		PROJECT NAME:		PROJECT NO:					
															PALM BEACH		SCALAR CONSULTING GROUP				BENOIST FARMS ROAD		2015509					





PERMITS



PERMITS



LEGEND

- | | | |
|---|---|--|
|  | ① | BROWN TO GRAY, FINE TO MEDIUM SAND, TRACE TO LITTLE SILT, TRACE ORGANICS, TRACE SHELL FRAGMENTS, OCCASIONAL TRACE TO FEW GRAVEL (A-3, A-2-4) |
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B.T. @ 6' BORING TERMINATED AT 6' BELOW
THE EXISTING GROUND SURFACE

GNE GROUNDWATER NOT ENCOUNTERED

A-3 AASHTO SOIL CLASSIFICATION SYSTEM
GROUP SYMBOL (ASTM D 3282)

W = MOISTURE CONTENT (%)

OC = ORGANIC CONTENT (%)

-200 = AMOUNT PASSING US STANDARD
200 SIEVE (%)

LL = LIQUID LIMIT(%)

PL = PLASTIC LIMIT(%)

PI = PLASTICITY INDEX (%)

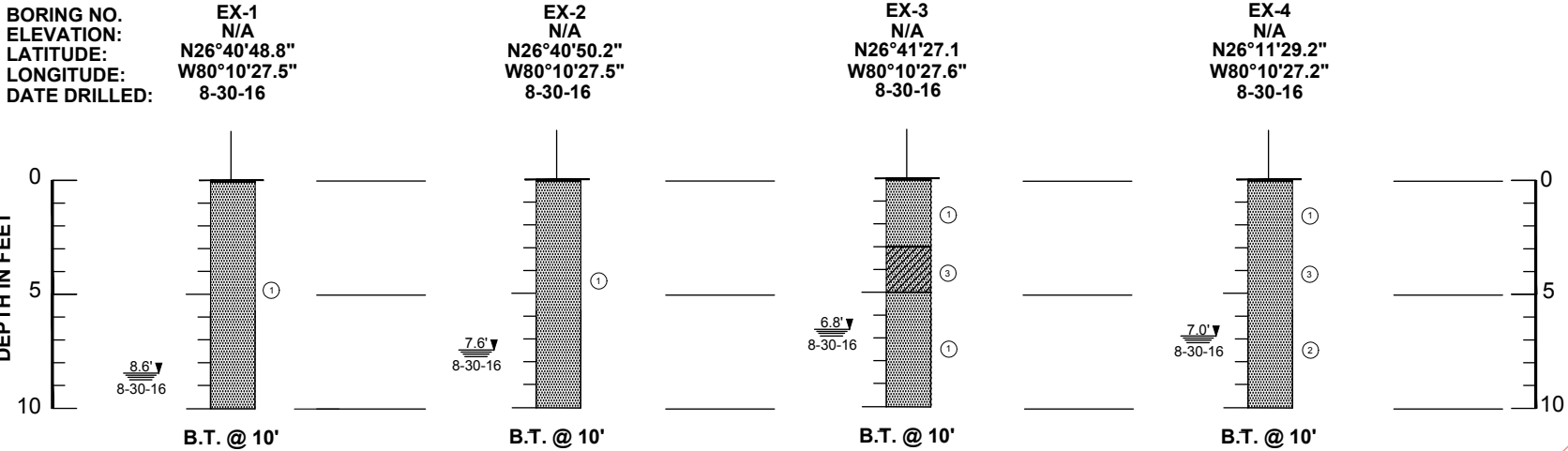
8.6' ▼ GROUNDWATER DEPTH IN FEET
8-30-16 AND DRILLING DATE

NOTES





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REVISIONS										Names		Dates		 RADISE <small>INTERNATIONAL ENGINEERS & SOFTWARE DEVELOPERS</small> LICENSE NO. - 8901	ENGINEER OF RECORD RADISE International 4152 West Blue Heron Boulevard, Suite 1114 Riviera Beach, Florida. 33404 TEL 561-841-0103 FAX 561-841-0104 URL : http:// www.radise.net				PALM BEACH COUNTY				SCALE: VERTICAL N.T.S.		SHEET TITLE: ROADWAY SOIL PROFILES - AUGER BORINGS		SHEET NO.	
Date.	By	Descriptions			Date.	By	Descriptions			Drawn by			COUNTY		CLIENT		SCALE: HORIZONTAL N.T.S.		PROJECT NAME: BENOIST FARMS ROAD		PROJECT NO: 2015509							
										Checked by																		
										Designed by																		
										Checked by																		
										Approved by																		

PERMITS



LEGEND

- | | | |
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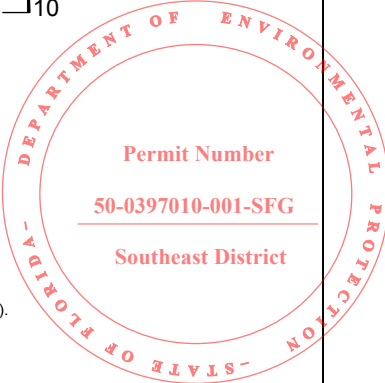
PI = PLASTICITY INDEX (%)

8.6' ▼
GROUNDWATER DEPTH IN FEET
AND DRILLING DATE

8-30-16

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REVISIONS						Names	Dates	 RADISE <small>Infrastructure & Landmark Solutions INCORPORATED</small> LICENSE NO. - 8901	ENGINEER OF RECORD RADISE International 4152 West Blue Heron Boulevard, Suite 1114 Riviera Beach, Florida, 33404 TEL 561-841-0103 FAX 561-841-0104 URL : http:// www.radise.net	PALM BEACH COUNTY		SCALE: VERTICAL N.T.S.	SHEET TITLE: ROADWAY SOIL PROFILES - AUGER BORINGS	SHEET NO.
Date	By	Descriptions	Date	By	Descriptions	Drawn by				COUNTY	CLIENT	SCALE: HORIZONTAL N.T.S.	PROJECT NAME: BENOIST FARMS ROAD	PROJECT NO: 2015509
						Checked by								
						Designed by				PALM BEACH	SCALAR CONSULTING GROUP			
						Checked by								
						Approved by								

PERMITS

DATE OF SURVEY: AUGUST AND SEPTEMBER, 2016
SURVEY MADE BY: RADISE INTERNATIONAL
SUBMITTED BY: THOMAS F. MULLIN, P.E.

PALM BEACH COUNTY
PALM BEACH COUNTY PROJECT NO.: 2015509
CROSS SECTION SOIL SURVEY FOR THE DESIGN OF ROADS
SURVEY BEGINS : SR 80 (SOUTHERN BOULEVARD) SURVEY ENDS : BELVEDERE ROAD

ROAD NAME: BENOIST FARMS ROAD
COUNTY: PALM BEACH

ORGANIC CONTENT				SIEVE ANALYSIS RESULTS % PASS						ATTERBERG LIMITS (%)				CORROSION TEST RESULTS					
STRATUM NO.	NO. OF TESTS	% ORGANIC	MOISTURE CONTENT	NO. OF TESTS	10 MESH	40 MESH	60 MESH	100 MESH	200 MESH	NO. OF TESTS	LIQUID LIMIT	PLASTIC INDEX	AASHTO GROUP	MATERIAL DESCRIPTION	NO. OF TESTS	RESISTIVITY ohm-cm	CHLORIDES ppm	SULFATES ppm	pH
1	3	1.2-2.4	8.4-10.2	6	83.2-95.3	68.7-85.0	41.6-53.0	15.3-22.9	1.4-11.4	2	N/A	N/A	A-3, A-2-4	BROWN TO GRAY, FINE TO MEDIUM SAND, TRACE TO LITTLE SILT, TRACE ORGANICS, TRACE SHELL FRAGMENTS, OCCASIONAL TRACE TO FEW GRAVEL	-	-	-	-	-
2	0	-	-	0	-	-	-	-	-	0	-	-	A-3	BROWN, FINE TO MEDIUM, SAND	-	-	-	-	-
3	0	-	-	10	93.0-98.7	75.7-89.6	45.3-54.5	18.4-22.6	6.0-22.1	10	19.7-29.0	4.3-14.0	A-2-4	BROWN TO GRAY, FINE TO MEDIUM SAND, WITH SILTY CLAY TO SILTY CLAYEY SAND	-	-	-	-	-
4	0	-	-	2	68.0-76.5	48.7-58.6	25.1-31.5	9.2-12.1	4.1-4.6	-	-	-	A-3	BROWN, SHELLY, SAND	-	-	-	-	-

EMBANKMENT AND SUBGRADE MATERIAL

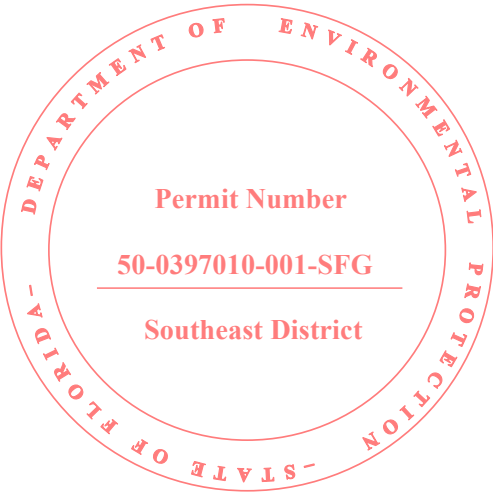
STRATA BOUNDARIES ARE APPROXIMATE MAKE FINAL CHECK AFTER GRADING

▼ = WATER TABLE ENCOUNTERED

GNE - GROUNDWATER NOT ENCOUNTERED

NOTE:

- 1) STRATA BOUNDARIES ARE APPROXIMATE AND REPRESENT SOIL STRATA AT EACH TEST HOLE LOCATION ONLY. ANY STRATUM CONNECTING LINES THAT ARE SHOWN ARE FOR ESTIMATING EARTHWORK ONLY AND DO NOT INDICATE ACTUAL STRATUM LIMITS. SUBSURFACE VARIATIONS BETWEEN BORINGS SHOULD BE ANTICIPATED.
- 2) REMOVAL OF MUCK AND PLASTIC MATERIAL OCCURRING WITHIN ROADWAY SHALL BE ACCOMPLISHED IN ACCORDANCE WITH INDEX No. 500 UNLESS OTHERWISE SHOWN IN THE PLANS, AND THE MATERIAL USED IN EMBANKMENT CONSTRUCTION SHALL BE IN ACCORDANCE WITH INDEX No. 505 OF FDOT DESIGN STANDARDS.
- 3) THE SYMBOL "—" REPRESENTS AN UNMEASURED PARAMETER.
- 4) SOIL ANALYSIS INCLUDES DATA FROM ROADWAY AREAS ONLY.
- 5) STRATA 1 THRU 4 CAN BE CLASSIFIED AS SELECT (S).
- 6) STRATA 1 AND 3 HAVE A-2-4 SOILS, WHICH MAY RETAIN EXCESS MOISTURE AND MAY BE DIFFICULT TO DRY AND COMPACT. THEY SHOULD BE USED IN EMBANKMENT ABOVE THE GROUND WATER LEVEL AT THE TIME OF CONSTRUCTION. A-2-4 MATERIAL PLACED BELOW THE EXISTING GROUND WATER LEVEL MUST BE NONPLASTIC AND CONTAIN LESS THAN 15% PASSING THE NO. 200 U.S. STANDARD SIEVE.

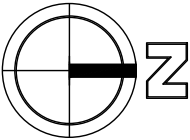


ROADWAY SOIL SURVEY

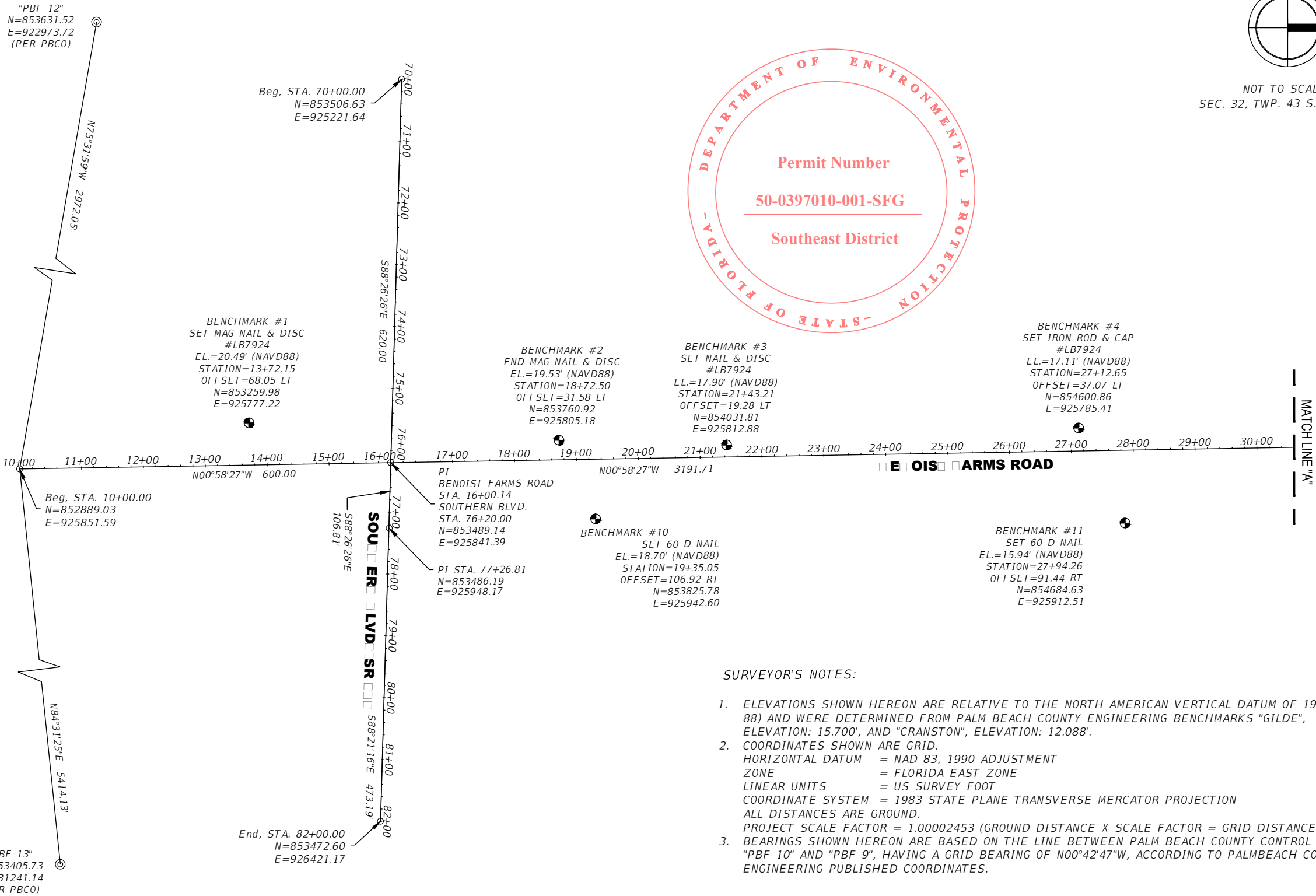
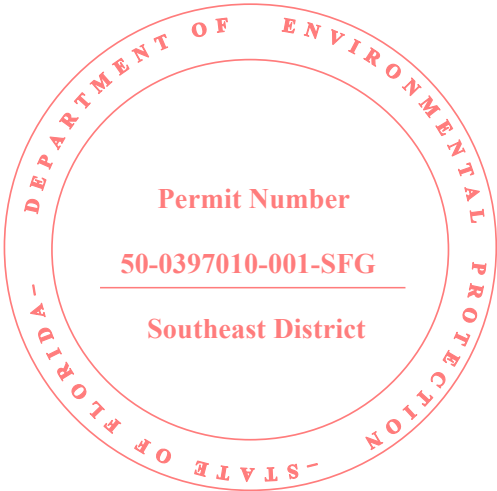
REVISIONS						Names		Dates	 ENGINEER OF RECORD RADISE International 4152 West Blue Heron Boulevard, Suite 1114 Riviera Beach, Florida. 33404 TEL 561-841-0103 FAX 561-841-0104 URL : http:// www.radise.net	PALM BEACH COUNTY		SCALE: VERTICAL N.T.S.	SHEET TITLE: ROADWAY SOIL SURVEY	SHEET NO.
Date.	By	Descriptions	Date.	By	Descriptions	Drawn by				COUNTY	CLIENT	SCALE: HORIZONTAL N.T.S.	PROJECT NAME: BENOIST FARMS ROAD	PROJECT NO: 2015509
						Checked by								
						Designed by								
						Checked by								
						Approved by			LICENSE NO. - 8901					

PERMITS

BENOIST FARMS RD. - SOUTHERN BLVD. TO BELVEDERE RD.



NOT TO SCALE
SEC. 32, TWP. 43 S., RGE. 42 E.



SURVEYOR'S NOTES:

- ELEVATIONS SHOWN HEREON ARE RELATIVE TO THE NORTH AMERICAN VERTICAL DATUM OF 1988 (NAVD 88) AND WERE DETERMINED FROM PALM BEACH COUNTY ENGINEERING BENCHMARKS "GILDE", ELEVATION: 15.700', AND "CRANSTON", ELEVATION: 12.088'.
- COORDINATES SHOWN ARE GRID.
HORIZONTAL DATUM = NAD 83, 1990 ADJUSTMENT
ZONE = FLORIDA EAST ZONE
LINEAR UNITS = US SURVEY FOOT
COORDINATE SYSTEM = 1983 STATE PLANE TRANSVERSE MERCATOR PROJECTION
ALL DISTANCES ARE GROUND.
PROJECT SCALE FACTOR = 1.00002453 (GROUND DISTANCE X SCALE FACTOR = GRID DISTANCE).
- BEARINGS SHOWN HEREON ARE BASED ON THE LINE BETWEEN PALM BEACH COUNTY CONTROL POINTS "PBF 10" AND "PBF 9", HAVING A GRID BEARING OF N00°42'47"W, ACCORDING TO PALMBEACH COUNTY ENGINEERING PUBLISHED COORDINATES.



ROU
Engineers · Planners · Surveyors
Boca Raton, Florida 33486 · 561.392.0221
C26258 · LB7924

Seal:

Daniel C. Laak
FL Reg. No. L55118

No.	Revisions	By	Date



PALM BEACH COUNTY
ENGINEERING AND PUBLIC WORKS
ROADWAY PRODUCTION
P.O. BOX 21229, WEST PALM BEACH, FLORIDA

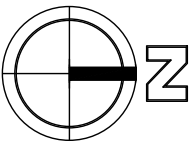
SCALE: N/A
APP'D: DCL
DRAWN: EC
CHK'D: DCW
DATE: 1/27/17

**PROJECT NETWORK
CONTROL**

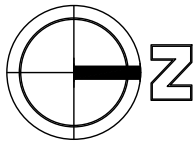
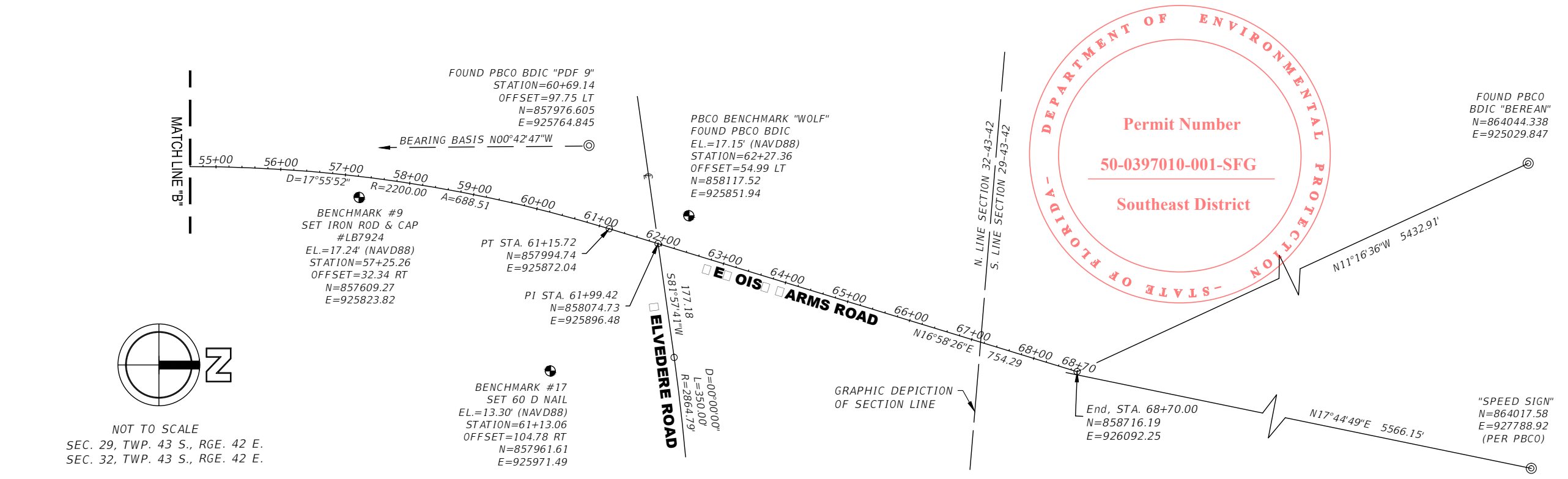
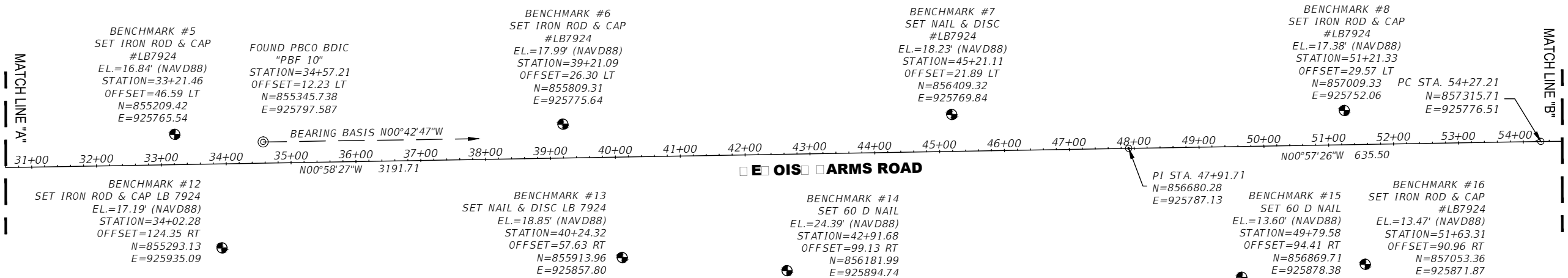
SHEET: CTL-1
OF: CTL-6
PROJECT NO.
2015509

PERMITS

BENOIST FARMS RD. - SOUTHERN BLVD. TO BELVEDERE RD.




NOT TO SCALE
SEC. 32, TWP. 43 S., RGE. 42 E.



NOT TO SCALE
SEC. 29, TWP. 43 S., RGE. 42 E.
SEC. 32, TWP. 43 S., RGE. 42 E.

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☐ S ☐ ROU ☐ I ☐


Engineers · Planners · Surveyors

Professional Seal of Daniel C. Laak
Boca Raton, Florida 33486 · 561.392.0221
C26258 · LB7924

Seal:

Daniel C. Laak
FL Reg. No. L55118

No.	Revisions	By	Date



PALM BEACH COUNTY
ENGINEERING AND PUBLIC WORKS
ROADWAY PRODUCTION
P.O. BOX 21229, WEST PALM BEACH, FLORIDA

SCALE: N/A
APP'D: DCL
DRAWN: EC
CHK'D: DCW
DATE: 1/27/17

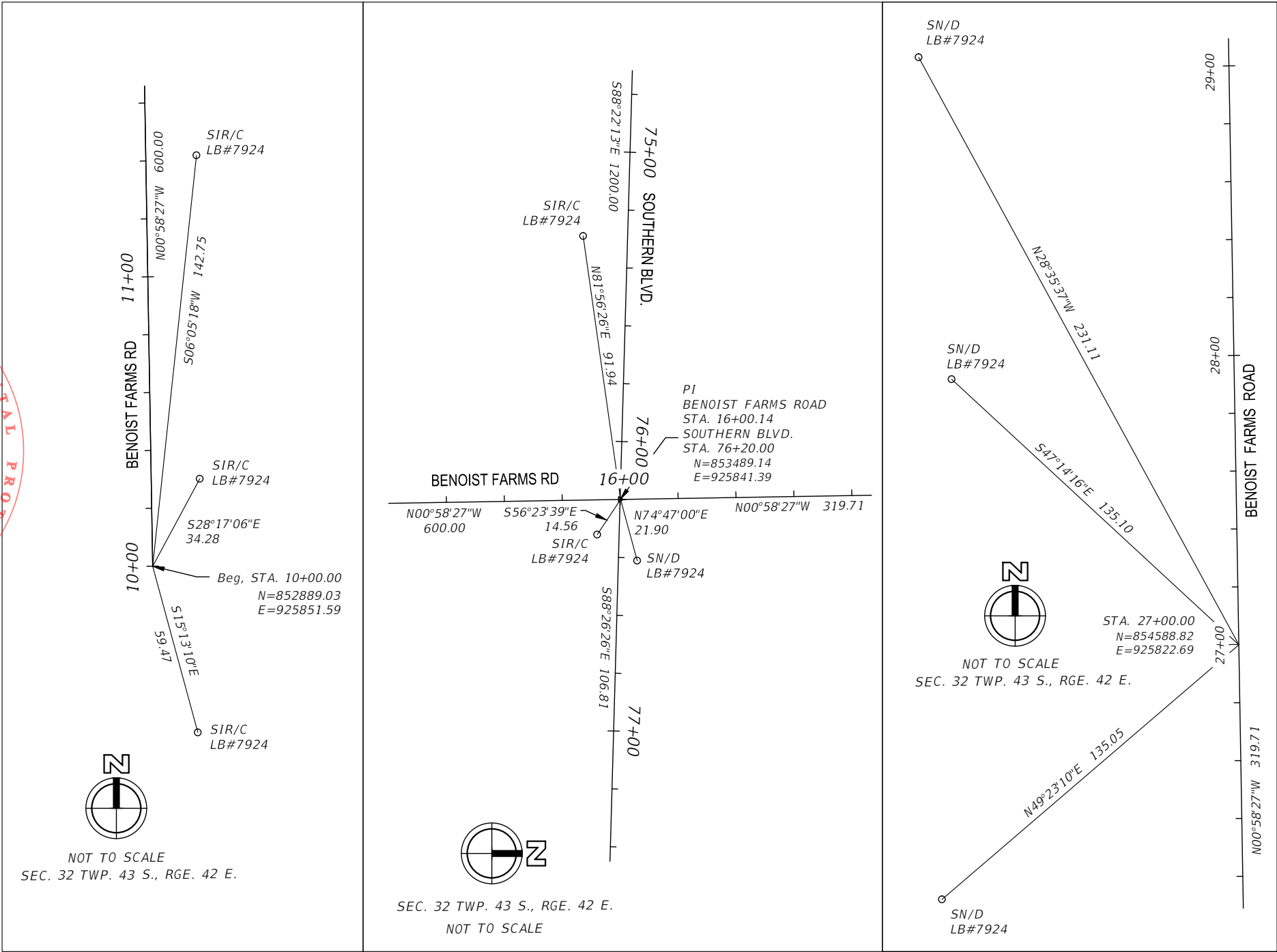
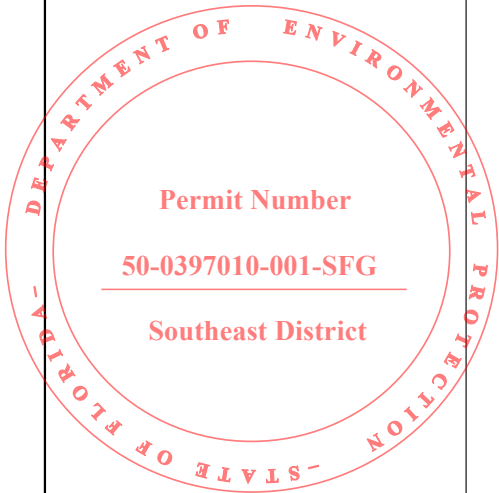
PROJECT NETWORK
CONTROL

SHEET: CTL-2
OF: CTL-6

PROJECT NO.
2015509

PERMITS

BENOIST FARMS RD. - SOUTHERN BLVD. TO BELVEDERE RD.



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☐ S☐ P☐ I

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Seal:



Daniel C. Laak
FL Reg. No. L55118

No.	Revisions	By	Date



PALM BEACH COUNTY

ENGINEERING AND PUBLIC WORKS

ROADWAY PRODUCTION

P.O. BOX 21229, WEST PALM BEACH, FLORIDA

SCALE: N/A

APP'D: DCL

DRAWN: EC

CHK'D: DCW

DATE: 1/27/17

REFERENCE POINTS

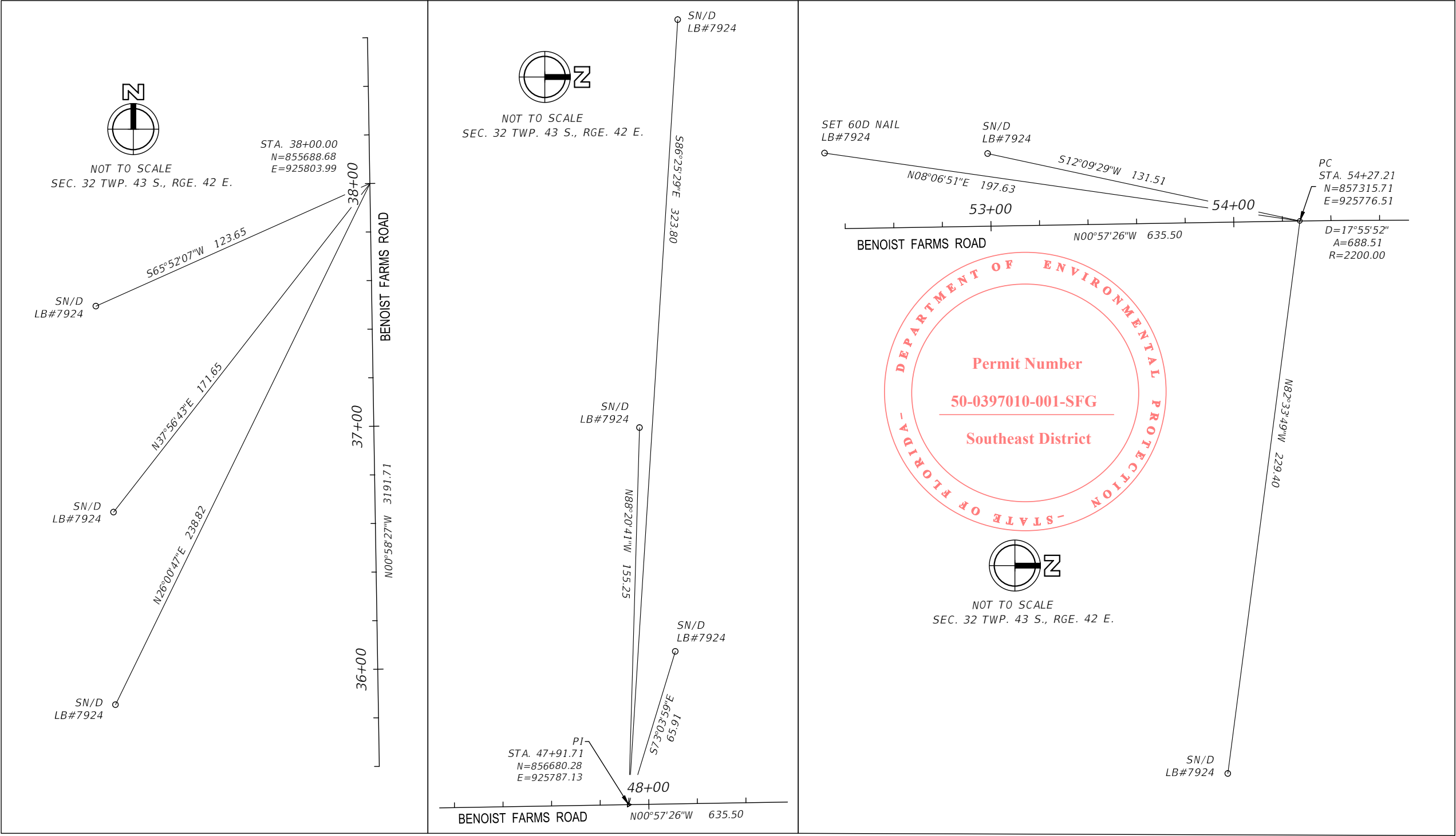
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OF: CTL-6

PROJECT NO.
2015509

PERMITS

BENOIST FARMS RD. - SOUTHERN BLVD. TO BELVEDERE RD.



 **S** **ROU** **I**
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Palm Beach Gardens, FL 33418
Boca Raton, Florida 33486 · 561.392.0221
C26258 · LB7924

Seal:

Daniel C. Laak
FL.Reg.No. LS51

No.	Revisions	By	Date



PALM BEACH COUNTY
ENGINEERING AND PUBLIC WORKS
ROADWAY PRODUCTION
P.O. BOX 21229, WEST PALM BEACH, FLORIDA

SCALE: N/A
APP'D: DCL
DRAWN: EC
CHK'D: DCW
DATE: 1/27/17

REFERENCE POINTS

SHEET:CTL-4


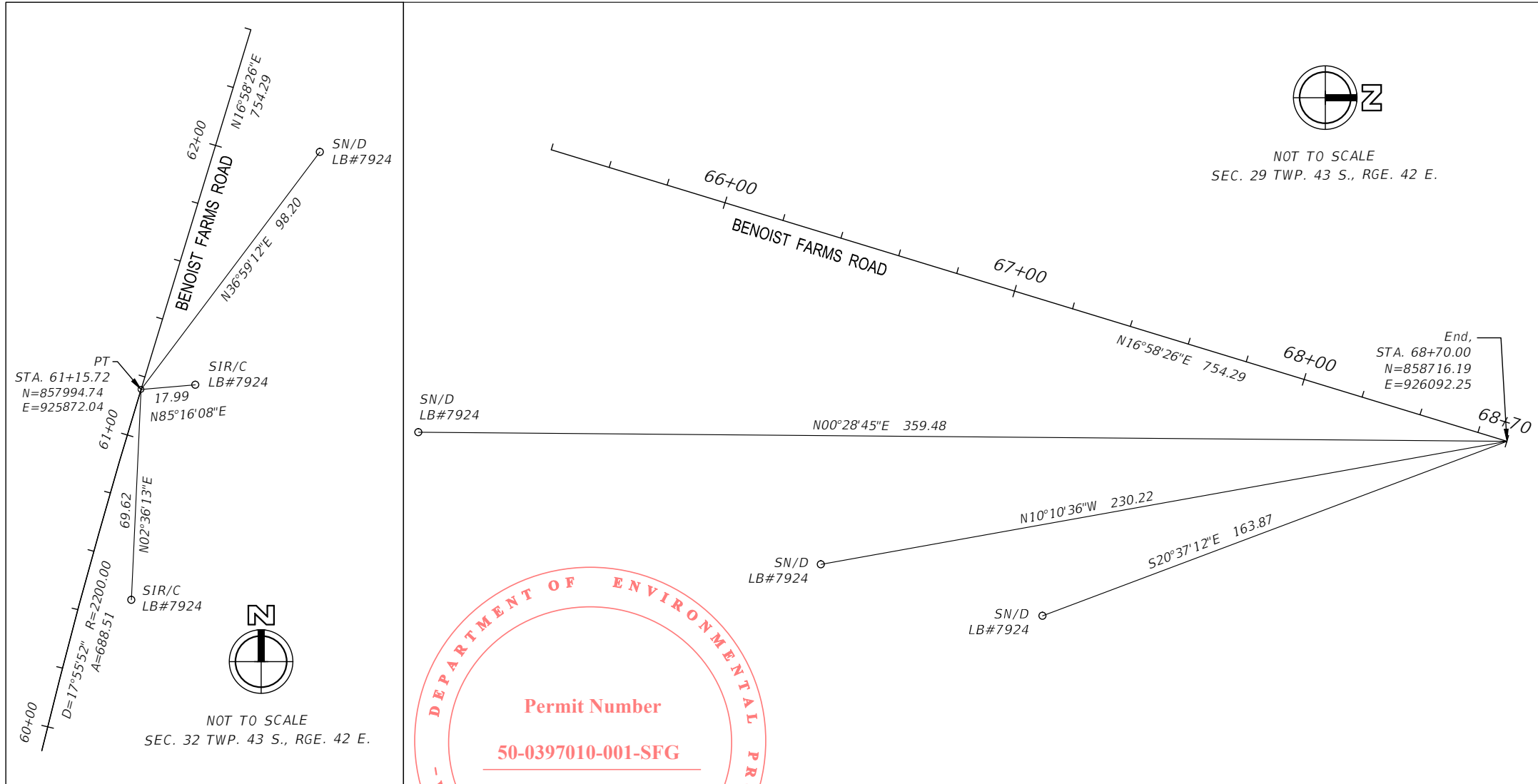
OF: CTL-6

PROJECT NO.
2015509

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PERMITS

BENOIST FARMS RD. - SOUTHERN BLVD. TO BELVEDERE RD.

The seal of the Florida Department of Environmental Protection is a circular emblem. It features a thick red border. Inside the border, the words "FLORIDA" and "DEPARTMENT OF ENVIRONMENTAL PROTECTION" are written in red, uppercase letters, following the curve of the circle. In the center of the seal, the text "Permit Number" is written in red. Below it, the permit number "50-0397010-001-SFG" is displayed in red, underlined. At the bottom of the central text area, "Southeast District" is written in red. A horizontal black line runs across the middle of the seal, passing behind the central text.

FLORIDA - DEPARTMENT OF ENVIRONMENTAL PROTECTION - STATE OF FLORIDA

Permit Number

50-0397010-001-SFG

Southeast District



S R O I
Engineers · Planners · Surveyors
P R R S
Boca Raton, Florida 33486 · 561.392.0221
C26258 · LB7924

Seal:

Daniel C. Laak
FL.Reg.No. LS5118

No.	Revisions	By	Date



PALM BEACH COUNTY
ENGINEERING AND PUBLIC WORKS
ROADWAY PRODUCTION
P.O. BOX 21229, WEST PALM BEACH, FLORIDA

SCALE: N/A
APP'D: DCL
DRAWN: EC
CHK'D: DCW
DATE: 1/27/17

REFERENCE POINTS

(SHEET:CTL-5)

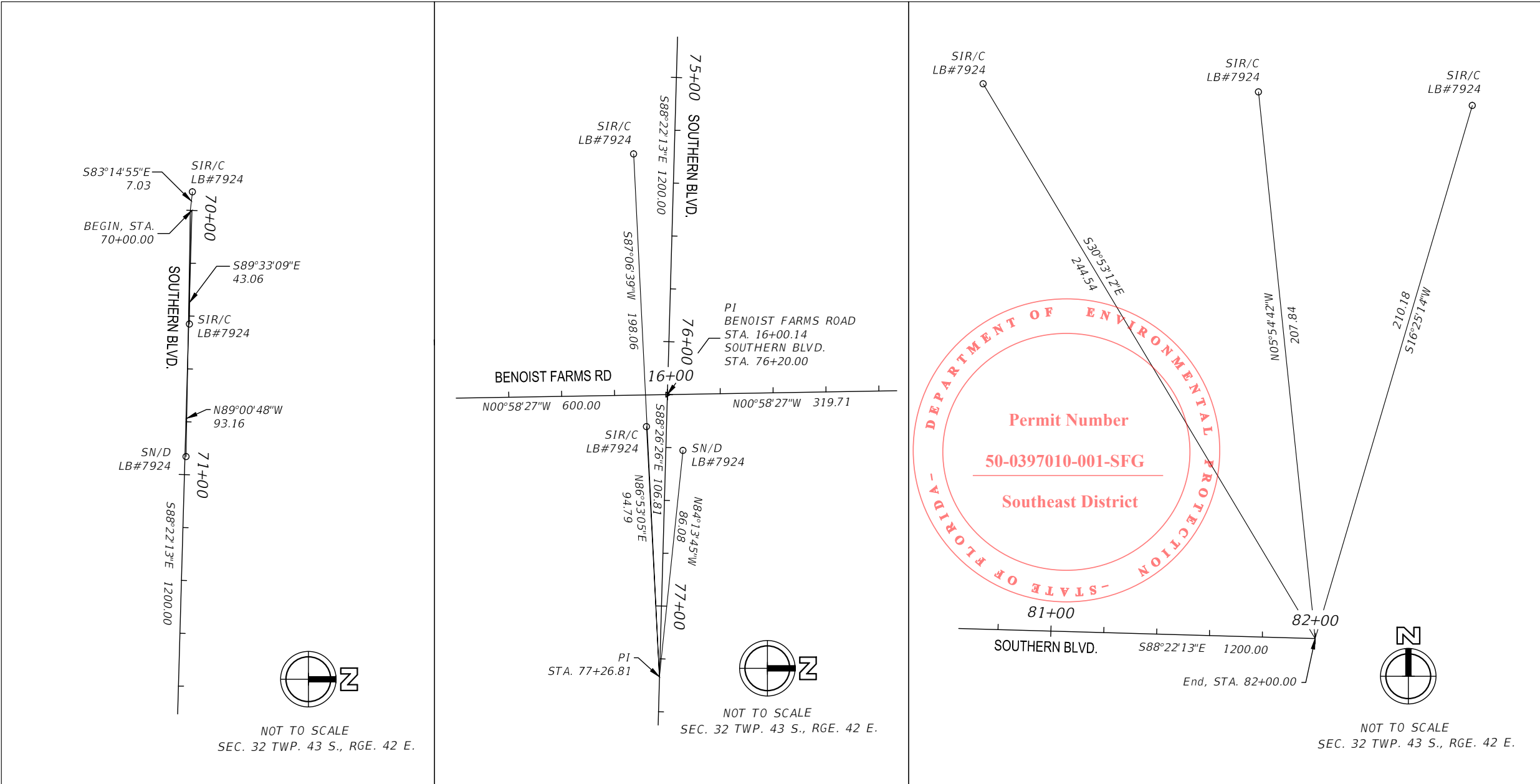
OF: CTL-6


PROJECT NO.
2015509

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PERMITS

BENOIST FARMS RD. - SOUTHERN BLVD. TO BELVEDERE RD



 <p>Engineers - Planners - Surveyors Boca Raton, Florida 33486 - 561.392.0221 C26258 - LB7924</p>	Seal: Daniel C. Laak FL Reg. No. L55118	<table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="width: 10%;">No.</th> <th style="width: 50%;">Revisions</th> <th style="width: 10%;">By</th> <th style="width: 10%;">Date</th> </tr> </thead> <tbody> <tr> <td style="height: 40px;"></td> <td></td> <td></td> <td></td> </tr> </tbody> </table>	No.	Revisions	By	Date					 <p>PALM BEACH COUNTY ENGINEERING AND PUBLIC WORKS ROADWAY PRODUCTION P.O. BOX 21229, WEST PALM BEACH, FLORIDA</p>	SCALE: N/A APPD: DCL DRAWN: EC CHK'D: DCW DATE: 1/27/17	<h2 style="margin: 0;">REFERENCE POINTS</h2>	SHEET: CTL-6 OF: CTL-6 PROJECT NO. 2015509
No.	Revisions	By	Date											

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PERMITS



FLORIDA DEPARTMENT OF Environmental Protection

Bob Martinez Center
2600 Blair Stone Road
Tallahassee, FL 32399-2400

Ron DeSantis
Governor

Jeanette Nuñez
Lt. Governor

Shawn Hamilton
Interim Secretary

July 30, 2021

Kathleen O Farrell
Palm Beach County Engineering & Public Works
2300 N Jog Rd
West Palm Beach, FL 33411

RE: **Facility ID: FLR20ER25**
Benoist Farms Road-SR 80 (Southern Blvd) to Belvedere Rd
County: Palm Beach

Dear Permittee:

The Florida Department of Environmental Protection has received and processed your *Notice of Intent to Use Generic Permit for Stormwater Discharge from Large and Small Construction Activities and Dewatering Operations* (NOI) and the accompanying processing fee. This letter acknowledges that:

- your NOI is complete;
- your processing fee is paid-in-full; and
- you are covered under the *Generic Permit for Stormwater Discharge from Large and Small Construction Activities and Dewatering Operations from non-contaminated sites* (CGD), DEP Document No. 62-621.300(4)(a).

Your project identification number is **FLR20ER25**. Please include this number on all future correspondence to the Department regarding this permit.

This letter is **not** your permit; however, this letter does serve **as verification of permit coverage**. A copy of the [permit language](#) is available online or by contacting the NPDES Stormwater Notices Center.

Your permit coverage becomes effective **7/16/2021** and will expire **7/15/2026**. To terminate your coverage prior to this expiration date, you must file a *National Pollutant Discharge Elimination System (NPDES) Stormwater Notice of Termination*, DEP Form 62-621.300(6) (NOT). An NOT must be filed within 14 days of either (a) your final stabilization of the site or (b) your relinquishment of control of the construction activities

PERMITS

to a new operator. Terminating coverage under the CGP will also terminate your dewatering operations. You may not exclusively terminate dewatering operation under this form.

To renew your coverage beyond the expiration date, you must submit a new NOI and processing fee to the Department no later than two days before coverage expires.

Until your permit coverage is terminated, modified, or revoked, you are authorized to discharge stormwater from the construction site referenced in your NOI to surface waters in accordance with the terms and conditions of the CGP. Some key conditions of the CGP are:

- implementation of your stormwater pollution prevention plan (SWPPP);
- implementation of appropriate construction and dewatering best management practices (BMPs);
- conducting and documenting routine inspections; and
- retaining all records required by the permit (including your SWPPP) at the construction site or the alternate location specified in your NOI.

Projects that discharge stormwater associated with construction activity to a municipal separate stormwater system (MS4) shall submit a copy of the NOI or the Acknowledgement Letter within 7 days of receipt to the operator of the MS4.

If you have any questions concerning this Acknowledgment Letter, please contact the NPDES Stormwater Notices Center at (866) 336-6312 (toll-free).

Sincerely,



Krishna Baral
NPDES Stormwater Program
Florida Department of Environmental Protection

PERMITS

NOTICE OF RIGHTS

This action is final and effective on the date filed with the Clerk of the Department unless a petition for an administrative hearing is timely filed under Sections 120.569 and 120.57, F.S., before the deadline for filing a petition. On the filing of a timely and sufficient petition, this action will not be final and effective until further order of the Department. Because the administrative hearing process is designed to formulate final agency action, the hearing process may result in a modification of the agency action or even denial of the application.

Petition for Administrative Hearing

A person whose substantial interests are affected by the Department's action may petition for an administrative proceeding (hearing) under Sections 120.569 and 120.57, F.S. Pursuant to Rules 28-106.201 and 28-106.301, F.A.C., a petition for an administrative hearing must contain the following information:

- (a) The name and address of each agency affected and each agency's file or identification number, if known;
- (b) The name, address, and telephone number of the petitioner; the name, address, and telephone number of the petitioner's representative, if any, which shall be the address for service purposes during the course of the proceeding; and an explanation of how the petitioner's substantial interests are or will be affected by the agency determination;
- (c) A statement of when and how the petitioner received notice of the agency decision;
- (d) A statement of all disputed issues of material fact. If there are none, the petition must so indicate;
- (e) A concise statement of the ultimate facts alleged, including the specific facts that the petitioner contends warrant reversal or modification of the agency's proposed action;
- (f) A statement of the specific rules or statutes that the petitioner contends require reversal or modification of the agency's proposed action, including an explanation of how the alleged facts relate to the specific rules or statutes; and
- (g) A statement of the relief sought by the petitioner, stating precisely the action that the petitioner wishes the agency to take with respect to the agency's proposed action.

The petition must be filed (received by the Clerk) in the Office of General Counsel of the Department at 3900 Commonwealth Boulevard, Mail Station 35, Tallahassee, Florida 32399-3000, or via electronic correspondence at Agency_Clerk@dep.state.fl.us. Also, a copy of the petition shall be mailed to the applicant at the address indicated above at the time of filing.

Time Period for Filing a Petition

In accordance with Rule 62-110.106(3), F.A.C., petitions for an administrative hearing by the applicant and persons entitled to written notice under Section 120.60(3), F.S., must be filed within **14** days of receipt of this written notice. Petitions filed by any persons other than the applicant, and other than those entitled to written notice under Section 120.60(3), F.S., must be filed within **14** days of publication of the notice or within **14** days of receipt of the written notice, whichever occurs first. The failure to file a petition within the appropriate time period shall constitute a waiver of that person's right to request an administrative determination (hearing) under Sections 120.569 and 120.57, F.S., or to intervene in this proceeding and participate as a party to it. Any subsequent intervention (in a proceeding initiated by another party) will be only at the discretion of the presiding officer upon the filing of a motion in compliance with Rule 28-106.205, F.A.C.

Extension of Time

Under Rule 62-110.106(4), F.A.C., a person whose substantial interests are affected by the Department's action may also request an extension of time to file a petition for an administrative

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hearing. The Department may, for good cause shown, grant the request for an extension of time. Requests for extension of time must be filed with the Office of General Counsel of the Department at 3900 Commonwealth Boulevard, Mail Station 35, Tallahassee, Florida 32399-3000, or via electronic correspondence at Agency_Clerk@dep.state.fl.us, before the deadline for filing a petition for an administrative hearing. A timely request for extension of time shall toll the running of the time period for filing a petition until the request is acted upon.

Mediation

Mediation is not available in this proceeding.

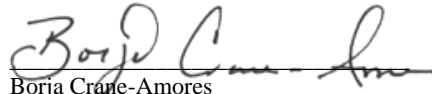
Judicial Review

Once this decision becomes final, any party to this action has the right to seek judicial review pursuant to Section 120.68, F.S., by filing a Notice of Appeal pursuant to Florida Rules of Appellate Procedure 9.110 and 9.190 with the Clerk of the Department in the Office of General Counsel (Station #35, 3900 Commonwealth Boulevard, Tallahassee, Florida 32399-3000) and by filing a copy of the Notice of Appeal accompanied by the applicable filing fees with the appropriate district court of appeal. The notice must be filed within 30 days from the date this action is filed with the Clerk of the Department.

EXECUTION AND CLERKING

Executed in Tallahassee, Florida.

STATE OF FLORIDA DEPARTMENT OF ENVIRONMENTAL PROTECTION



Borja Crane-Amores
Environmental Administrator

Attachment(s):

1. Acknowledgement Letter
2. Construction Generic Permit
3. Notice of Termination

CERTIFICATE OF SERVICE

The undersigned duly designated deputy clerk hereby certifies that this document and all attachments were sent on the filing date below to the following listed persons:

Victoria Robinson, Florida Department of Environmental Protection,
Victoria.Robinson@floridadep.gov

FILING AND ACKNOWLEDGMENT

FILED, on this date, pursuant to Section 120.52, F. S., with the designated Department Clerk, receipt of which is hereby acknowledged.


Clerk

July 30, 2021
Date