



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

March 10, 2026

Regulatory Division
North Permits Branch
Panama City Permit Section
SAJ-2025-02494 (NWP-LRB)

Florida Department of Transportation (FDOT), District 3 (D3)
c/o Joseph Mixon
1074 Highway 90
Chipley, FL 32428
Sent via email: Joseph.Mixon@dot.state.fl.us

Dear Mr. Mixon:

The U.S. Army Corps of Engineers (Corps) has completed the review of your application for a Department of the Army permit received on August 19, 2025. Your application was assigned file number SAJ-2025-02494. A review of the information and drawings provided indicates that the proposed work will result in 1.73 acres of direct impacts and 0.49 acre of secondary impacts within freshwater forested wetlands. The activity includes the realignment and reconstruction of Dover Road (Rd.) on the north side of State Road (SR) 10 to more safely align with Dover Rd. on the south side of SR 10. Work also includes milling and resurfacing of travel lanes and shoulders on SR 10 and widening of SR 10 to create turn lanes. Additionally, a stormwater management facility will be constructed along the northeast corner of the intersection to capture runoff from the newly constructed roadway. The activities subject to this permit are authorized pursuant to authorities Section 404 of the Clean Water Act (33 U.S.C. § 1344). The project is located in nontidal wetlands at the intersection of SR 10 (US 90) and Dover Rd. within Sections 5 and 8, Township 1 North, Range 2 West, Midway, Gadsden County, FL.

Your project, as depicted on the enclosed drawings, is authorized by Nationwide Permit (NWP) 23 (Approved Categorical Exclusions). **This verification is valid until March 14, 2026.** In order for this NWP authorization to be valid, you must ensure that the work is performed in accordance with the Nationwide Permit General Conditions, the Jacksonville District Regional Conditions, and the General and Project-Specific Special Conditions listed below. Furthermore, if you commence or are under contract to commence this activity before the date that the relevant NWP is modified or revoked, you will have 12 months from the date of the modification or revocation of the NWP to complete the activity under the present terms and conditions of this NWP. You can

access the U.S. Army Corps of Engineers' (Corps) Jacksonville District's Regulatory web page for links to view NWP information at: <https://www.sad.usace.army.mil/Missions/Regulatory/Florida/>. Please be aware this Internet address is case sensitive and should be entered as it appears above. Once there, select "Permitting," then "Nationwide Permits" for links to the federal register containing the text of the pertinent NWP authorization and the associated NWP general conditions, as well as separate links to the regional conditions applicable to the pertinent NWP verification.

You must comply with all of the special and general conditions for NWP-23, including any project-specific conditions included in this letter and all conditions incorporated by reference as described above.

General Conditions:

1. The time limit for completing the work authorized ends on **March 14, 2026**.
2. You must maintain the activity authorized by this permit in good condition and in conformance with the terms and conditions of this permit. You are not relieved of this requirement if you abandon the permitted activity, although you may make a good faith transfer to a third party in compliance with General Condition 4 below. Should you wish to cease to maintain the authorized activity, or should you desire to abandon it without a good faith transfer, you must obtain a modification of this permit from this office, which may require restoration of the area.
3. If you discover any previously unknown historic or archeological remains while accomplishing the activity authorized by this permit, you must immediately notify this office of what you have found. We will initiate the Federal and state coordination required to determine if the remains warrant a recovery effort or if the site is eligible for listing in the National Register of Historic Places.
4. If you sell the property associated with this permit you must obtain the signature of the new owner on the attached transfer form (Attachment 1) and forward a copy to this office to validate the transfer of this authorization.
5. You must allow a representative from this office to inspect the authorized activity at any time deemed necessary to ensure that it is being or has been accomplished in accordance with the terms and conditions of your permit.

Project Specific Special Conditions:

The following project specific special conditions are included with this verification:

1. **Reporting Address:** The Permittee shall submit all reports, notifications,

documentation, and correspondence required by the general and special conditions of this permit to either (not both) of the following addresses:

- a. For electronic mail (preferred): SAJ-RD-Enforcement@usace.army.mil (not to exceed 15 MB).
- b. For standard mail: U.S. Army Corps of Engineers, Regulatory Division, Enforcement Section, P.O. Box 4970, Jacksonville, FL 32232-0019.

The Permittee shall reference this permit number, SAJ-2025-02494 (NWP-LRB), on all submittals.

2. **Permit Conditions Prevail:** If information in the permit attachments conflict with the special conditions of this permit, the requirements of the permit special conditions shall prevail.
3. **As-Built Certification:** Within 60 days of completion of the work authorized by this permit, the Permittee shall submit as-built drawings of the authorized work and a completed "As-Built Certification by Professional Engineer or Surveyor" form (Attachment 2) to the Corps. The as-built drawings shall be signed and sealed by a registered professional engineer or surveyor and include the following:
 - a. A plan view drawing of the location of the authorized work footprint, as shown on the permit drawings, with an overlay of the work as constructed. The plan view drawing should show all existing water management structures and the completed structures, dredge/fill activities, and wetland impacts.
 - b. A list of any deviations between the work authorized by this permit and the work as constructed. In the event that the completed work deviates, in any manner, from the authorized work, describe on the attached "As-Built Certification by Professional Engineer" form the deviations between the work authorized by this permit and the work as constructed. Clearly indicate on the as-built drawings any deviations that have been listed. Please note that the depiction and/or description of any deviations on the drawings and/or "As-Built Certification by Professional Engineer" form does not constitute approval of any deviations by the Corps.
 - c. The Department of the Army permit number on all sheets submitted
4. **Posting of Permit:** The Permittee shall have available and maintain for review a copy of this permit and approved plans at the construction site.
5. **Cultural Resources/Historic Properties:**

- a. No structure or work shall adversely affect, impact, or disturb properties listed in the *National Register of Historic Places* (NRHP), or those eligible for inclusion in the NRHP.
 - b. If, during the ground disturbing activities and construction work within the permit area, there are archaeological/cultural materials encountered which were not the subject of a previous cultural resources assessment survey (and which shall include, but not be limited to: pottery, modified shell, human remains, ceramics, stone tools or metal implements, dugout canoes, evidence of structures or any other physical remains that could be associated with native cultures or early colonial settlement), the Permittee shall immediately stop all work and ground-disturbing activities within a 100-meter diameter of the discovery and notify the Corps at the addresses listed in the **Reporting Address Special Condition** within the same business day (8 hours). The Corps shall coordinate with the Florida State Historic Preservation Officer (SHPO) to assess the significance of the discovery and devise appropriate actions.
 - c. Additional cultural resources assessments may be required of the permit area in the case of unanticipated discoveries as referenced in accordance with the above Special Condition and, if deemed necessary by the SHPO or Corps, in accordance with 36 CFR 800 or 33 CFR 325, Appendix C (5). Based on the circumstances of the discovery, equity to all parties, and considerations of the public interest, the Corps may modify, suspend, or revoke the permit in accordance with 33 CFR Part 325.7. Such activity shall not resume on non-federal lands without written authorization from the SHPO for finds under his or her jurisdiction, and from the Corps.
 - d. In the unlikely event that unmarked human remains are identified on non-federal lands; they will be treated in accordance with Section 872.05 Florida Statutes. 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, Corps, and State Archaeologist within the same business day (8-hours). The Corps shall then notify the appropriate SHPO. Based on the circumstances of the discovery, equity to all parties, and considerations of the public interest, the Corps may modify, suspend, or revoke the permit in accordance with 33 CFR Part 325.7. Such activity shall not resume without written authorization from the SHPO and from the Corps.
6. **Erosion Control:** Prior to the initiation of any work authorized by this permit, the Permittee shall install erosion control measures along the perimeter of all work areas to prevent the displacement of fill material outside the work area into waters of the United States. The erosion control measures shall remain in place and be maintained until all authorized work is completed and the work areas are stabilized.

7. **Proposed Species/Critical Habitat:** The action falls within the range for the tricolored bat (*Perimyotis subflavus*), the alligator snapping turtle (*Macrochelys temminckii*), the southern hognose snake (*Heterodon siums*), and the monarch butterfly (*Danaus plexippus*) which are proposed to be federally listed under the Endangered Species Act. If these species become federally listed and the authorized work has not been completed, the Permittee is required to stop work and ask the Corps to re-evaluate the effects of the permitted action on the tricolored bat, the alligator snapping turtle, and the monarch butterfly, and if needed, complete Section 7 consultation with the U.S. Fish and Wildlife Service to address potential impacts to the tricolored bat (*Perimyotis subflavus*), the alligator snapping turtle (*Macrochelys temminckii*), the southern hognose snake (*Heterodon siums*), and the monarch butterfly (*Danaus plexippus*).
8. **Fill Material:** The Permittee shall use only clean fill material for this project. The fill material shall be free from items such as trash, debris, automotive parts, asphalt, construction materials, concrete block with exposed reinforcement bars, and soils contaminated with any toxic substance in toxic amounts, in accordance with Section 307 of the Clean Water Act.
9. **Mitigation Bank Credit Purchase:** Prior to commencement of work, the Permittee shall provide verification to the Corps that 0.99 of federal Palustrine Forested UMAM mitigation bank credits have been purchased from the Shuler In-Lieu Fee (ILF) mitigation site (a component of the NFWFMD In-Lieu Fee Mitigation Program (SAJ-2011-00287)). The required verification shall reference this project's permit number SAJ-2025-02494 (NW –LRB).
10. **Eastern Indigo Snake Protection Measures and Inspection:** Permittee shall comply with U.S. Fish and Wildlife Service's "Standard Protection Measures for the Eastern Indigo Snake" dated May 2024, as provided in Attachment 3 of this permit. All gopher tortoise burrows, active or inactive, shall be evacuated prior to site manipulation in the vicinity of the burrow. If excavating potentially occupied burrows, active or inactive, individuals must first obtain state authorization via a Florida Fish and Wildlife Conservation Commission (FWC) Authorized Gopher Tortoise Agent permit. The excavation method selected shall minimize the potential for injury of an indigo snake. The Permittee shall follow the excavation guidance provided in the most current FWC Gopher Tortoise Permitting Guidelines found at <http://myfwc.com/gophertortoise>. If an indigo snake is encountered, the snake must be allowed to vacate the area prior to additional site manipulation in the vicinity. Holes, cavities, and snake refugia other than gopher tortoise burrows shall be inspected each morning before planned site manipulation of a particular area, and if occupied by an indigo snake, no work shall commence until the snake has vacated the vicinity of the proposed work.

This letter of authorization does not include conditions that would prevent the 'take' of a state-listed fish or wildlife species. These species are protected under sec. 379.411, Florida Statutes, and listed under Rule 68A-27, Florida Administrative Code. With regard to fish and wildlife species designated as species of special concern or threatened by the State of Florida, you are responsible for coordinating directly with the Florida Fish and Wildlife Conservation Commission (FWC). You can visit the FWC license and permitting webpage (<http://www.myfwc.com/license/wildlife/>) for more information, including a list of those fish and wildlife species designated as species of special concern or threatened. The Florida Natural Areas Inventory (<http://www.fnai.org/>) also maintains updated lists, by county, of documented occurrences of those species.

This letter of authorization does not give absolute Federal authority to perform the work as specified on your application. The proposed work may be subject to local building restrictions mandated by the National Flood Insurance Program. You should contact your local office that issues building permits to determine if your site is located in a flood-prone area, and if you must comply with the local building requirements mandated by the National Flood Insurance Program.

This letter of authorization does not preclude the necessity to obtain any other Federal, State, or local permits which may be required.

Thank you for your cooperation with our permit program. The Corps' Jacksonville District Regulatory Division is committed to improving service to our customers. We strive to perform our duty in a friendly and timely manner while working to preserve our environment. We invite you to complete our automated Customer Service Survey at <https://regulatory.ops.usace.army.mil/customer-service-survey/>. Please be aware this Internet address is case sensitive and you will need to enter it exactly as it appears above. Your input is appreciated – favorable or otherwise.

Should you have any questions related to this verification or have issues accessing the documents reference in this letter, please contact Lucille Brandenburg via telephone at 561-386-0054, or via e-mail at Lucille.R.Brandenburg@usace.army.mil.

Sincerely,



Digitally signed by
Lisa Lovvorn
Date: 2026.03.10
12:00:07 -05'00'

Lisa S. Lovvorn
Chief, Panama City Permits Section

Enclosures

1. Transfer Form
2. As-Built Certification
3. Standard Protection Measures for the Eastern Indigo Snake
4. Project Plans

Cc:

Susan McConnell, Environmental and Geotechnical Specialists (EGS),
susan.mcconnell@egs-us.com

DEPARTMENT OF THE ARMY PERMIT TRANSFER REQUEST

DA PERMIT NUMBER: SAJ-2025-02494(NWP-LRB)

When the structures or work authorized by this permit are still in existence at the time the property is transferred, the terms and conditions of this permit will continue to be binding on the new owner(s) of the property. Although the construction period for works authorized by Department of the Army permits is finite, the permit itself, with its limitations, does not expire.

To validate the transfer of this permit and the associated responsibilities associated with compliance with its terms and conditions, have the transferee sign and date below and mail to the U.S. Army Corps of Engineers, Enforcement Section, Post Office Box 4970, Jacksonville, FL 32232-0019 or submit via electronic mail to: SAJ-RD-Enforcement@usace.army.mil (not to exceed 15 MB).

(TRANSFEREE-SIGNATURE)

(SUBDIVISION)

(DATE)

(LOT)

(BLOCK)

(NAME-PRINTED)

(STREET ADDRESS)

(MAILING ADDRESS)

(CITY, STATE, ZIP CODE)

AS-BUILT CERTIFICATION BY PROFESSIONAL ENGINEER

Submit this form and one set of as-built engineering drawings to the U.S. Army Corps of Engineers, Enforcement Section, P.O. Box 4970, Jacksonville, FL 32232-0019. For electronic mail saj-rd-enforcement@usace.army.mil (not to exceed 15 MB).

1. Department of the Army Permit Number: SAJ-2025-02494 (NWP-LRB)

2. Permittee Information:

Name: _____

Address: _____

3. Project Site Identification (physical location/address):

4. As-Built Certification: I hereby certify that the authorized work, including any mitigation required by Special Conditions to the permit, has been accomplished in accordance with the Department of the Army permit with any deviations noted below. This determination is based upon on-site observation, scheduled, and conducted by me or by a project representative under my direct supervision. I have enclosed one set of as-built engineering drawings.

Signature of Engineer

Name (*Please type*)

(FL, PR, or VI) Reg. Number

Company Name

City

State

ZIP

(Affix Seal)

Date

Telephone Number

Date Work Started: _____ Date Work Completed: _____

Identify any deviations from the approved permit drawings and/or special conditions (attach additional pages if necessary):

STANDARD PROTECTION MEASURES FOR THE EASTERN INDIGO SNAKE

U.S. Fish and Wildlife Service

May 2024

The Standard Protection Measures for the Eastern Indigo Snake (Plan) below has been developed by the U.S. Fish and Wildlife Service (USFWS) in Florida and Georgia for use by project proponents and their construction personnel help minimize adverse impacts to eastern indigo snakes. However, implementation of this Plan does not replace any state or federal consultation or regulatory requirements. At least 30 days prior to any land disturbance activities, the project proponent shall notify the appropriate USFWS Field Office (see Field Office contact information) via e-mail that the Plan will be implemented as described below.

As long as the signatory of the e-mail certifies compliance with the below Plan (including use of the approved poster and pamphlet ([USFWS Eastern Indigo Snake Conservation webpage](#))), no further written confirmation or approval from the USFWS is needed regarding use of this Plan as a component of the project.

If the project proponent decides to use an eastern indigo snake protection/education plan other than the approved Plan below, written confirmation or approval from the USFWS that the plan is adequate must be obtained. The project proponent shall submit their unique plan for review and approval. The USFWS will respond via e-mail, typically within 30 days of receiving the plan, either concurring that the plan is adequate or requesting additional information. A concurrence e-mail from the appropriate USFWS Field Office will fulfill approval requirements.

STANDARD PROTECTION MEASURES

BEFORE AND DURING CONSTRUCTION ACTIVITIES:

- All Project personnel shall be notified about the potential presence and appearance of the federally protected eastern indigo snake (*Drymarchon couperi*).
- All personnel shall be advised that there are civil and criminal penalties for harassing, harming, pursuing, hunting, shooting, wounding, killing, capturing, or collecting the species, in knowing violation of the Endangered Species Act of 1973.
- The project proponent or designated agent will post educational posters in the construction office and throughout the construction site. The posters must be clearly visible to all construction staff and shall be posted in a conspicuous location in the

Project field office until such time that Project construction has been completed and time charges have stopped.

- Prior to the onset of construction activities, the project proponent or designated agent will conduct a meeting with all construction staff (annually for multi-year projects) to discuss identification of the snake, its protected status, what to do if a snake is observed within the project area, and applicable penalties that may be imposed if state and/or federal regulations are violated. An educational pamphlet including color photographs of the snake will be given to each staff member in attendance and additional copies will be provided to the construction superintendent to make available in the onsite construction office. Photos of eastern indigo snakes may be accessed on USFWS, Florida Fish and Wildlife Conservation Commission and/or Georgia Department of Natural Resources websites.
- Each day, prior to the commencement of maintenance or construction activities, the Contractor shall perform a thorough inspection for the species of all worksite equipment.
- If an eastern indigo snake (alive, dead or skin shed) is observed on the project site during construction activities, all such activities are to cease until the established procedures are implemented according to the Plan, which includes notification of the appropriate USFWS Office. The contact information for the USFWS is provided below and on the referenced posters and pamphlets.
- During initial site clearing activities, an onsite observer is recommended to determine whether habitat conditions suggest a reasonable probability of an eastern indigo snake sighting (example: discovery of snake sheds, tracks, lots of refugia and cavities present in the area of clearing activities, and presence of gopher tortoises and burrows).
- Periodically during construction activities, the project area should be visited to observe the condition of the posters and Plan materials and replace them as needed. Construction personnel should be reminded of the instructions (above) as to what is expected if any eastern indigo snakes are seen.
- For erosion control use biodegradable, 100% natural fiber, net-free rolled erosion control blankets to avoid wildlife entanglement.

POST CONSTRUCTION ACTIVITIES:

Whether or not eastern indigo snakes are observed during construction activities, a monitoring report should be submitted to the appropriate USFWS Field Office within 60 days of project completion (See USFWS Field Office Contact Information).

USFWS FIELD OFFICE CONTACT INFORMATION

Georgia Field Office: Phone: (706) 613-9493, email: gaes_assistance@fws.gov
Florida Field Office: Phone: (352) 448-9151, email: fw4flesregs@fws.gov

POSTER & PAMPHLET INFORMATION

Posters with the following information shall be placed at strategic locations on the construction site and along any proposed access roads (final posters for Plan compliance are available on our website in English and Spanish and should be printed on 11 x 17in or larger paper and laminated ([USFWS Eastern Indigo Snake Conservation webpage](#))). Pamphlets are also available on our webpage and should be printed on 8.5 x 11in paper and folded, and available and distributed to staff working on the site.

POSTER CONTENT (ENGLISH):

ATTENTION

Federally-Threatened Eastern Indigo Snakes may be present on this site!

Killing, harming, or harassing eastern indigo snakes is strictly prohibited and punishable under State and Federal Law.

IF YOU SEE A LIVE EASTERN INDIGO SNAKE ON THE SITE:

- Stop land disturbing activities and allow the snake time to move away from the site without interference. Do NOT attempt to touch or handle the snake.
- Take photographs of the snake, if possible, for identification and documentation purposes.
- Immediately notify supervisor/agent, and a U.S. Fish and Wildlife Service (USFWS) Ecological Services Field Office, with the location information and condition of the snake.
- If the snake is located near clearing or construction activities that will cause harm to the snake, the activities must pause until a representative of the USFWS returns the call (within one day) with further guidance.

IF YOU SEE A DEAD EASTERN INDIGO SNAKE ON THE SITE:

- Stop land disturbing activities and immediately notify supervisor/applicant, and a USFWS Ecological Services Field Office, with the location information and condition of the snake.
- Take photographs of the snake, if possible, for identification and documentation purposes.
- Thoroughly soak the dead snake in water and then freeze the specimen. The appropriate wildlife agency will retrieve the dead snake.

DESCRIPTION: The eastern indigo snake is one of the largest non-venomous snakes in North America, reaching up to 8 ft long. Named for the glossy, blue-black scales above and slate blue below, they often have orange to reddish color (cream color in some cases)

in the throat area. They are not typically aggressive.

SIMILAR SPECIES: The black racer resembles the eastern indigo snake. However, black racers have a white or cream chin, and thinner bodies.

LIFE HISTORY: Eastern indigo snakes live in a variety of terrestrial habitat types. Although they prefer uplands, they also use wetlands and agricultural areas. They will shelter inside gopher tortoise burrows, other animal burrows, stumps, roots, and debris piles. Females may lay from 4 to 12 white eggs as early as April through June, with young hatching in late July through October.

PROTECTED STATUS: The eastern indigo snake is protected by the USFWS, Florida Fish and Wildlife Conservation Commission, and Georgia Department of Natural Resources. Any attempt to kill, harm, harass, pursue, hunt, shoot, wound, trap, capture, collect, or engage eastern indigo snakes is prohibited by the U.S. Endangered Species Act. Penalties include a maximum fine of \$25,000 for civil violations and up to \$50,000 and/or imprisonment for criminal offenses. Only authorized individuals with a permit (or an Incidental Take Statement associated with a USFWS Biological Opinion) may handle an eastern indigo snake.

Please contact your nearest USFWS Ecological Services Field Office if a live or dead eastern indigo snake is encountered:

Florida Office: (352) 448-9151

Georgia Office: (706) 613-9493

POSTER CONTENT (SPANISH):

ATENCIÓN

¡Especie amenazada, la culebra Índigo del Este, puede ocupar el área!

Matar, herir o hostigar culebras Índigo del Este es estrictamente prohibido bajo la Ley Federal.

SI VES UNA CULEBRA ÍNDIGO DEL ESTE O UNA CULEBRA NEGRA VIVA EN EL ÁREA:

- Pare excavación y permite el movimiento de la culebra fuera del área sin interferir. NO atentes tocar o recoger la culebra.
- Fotografié la culebra si es posible para identificación y documentación.
- Notifique supervisor/agente, y la Oficina de Campo de Servicios Ecológicos del Servicio Federal de Pesca y Vida Silvestre (USFWS) apropiada con información acerca del sitio y condición de la culebra.

- Si la culebra está cerca de un área de construcción que le pueda causar daño, las actividades deben parar hasta un representante del USFWS regrese la llamada (dentro de un día) con más orientación.

SI VES UNA CULEBRA ÍNDIGO DEL ESTE MUERTA EN EL ÁREA:

- Pare excavación. Notifique supervisor/aplicante, y la Oficina de Campo de Servicios Ecológicos apropiada con información acerca del sitio y condición de la culebra.
- Fotografié la culebra si es posible para identificación y documentación.
- EmERGE completamente la culebra en agua y congele la especie hasta que personal apropiado de la agencia de vida silvestre la recoja.

DESCRIPCIÓN. La culebra Índigo del Este es una de las serpientes sin veneno más grande en Norte América, alcanzando hasta 8 pies de largo. Su nombre proviene del color azul-negro brillante de sus escamas, pero pueden tener un color anaranjado-rojizo (color crema en algunos casos) en su mandíbula inferior. No tienden a ser agresivas.

SERPIENTES PARECIDAS. La corredora negra, que es de color negro sólido, es la única otra serpiente que se asemeja a la Índigo del Este. La corredora negra se diferencia por una mandíbula inferior color blanca o crema y un cuerpo más delgado.

HÁBITATS Y ECOLOGÍA. La culebra Índigo del Este vive en una variedad de hábitats, incluyendo tierras secas, humedales, y áreas de agricultura. Ellas buscan refugio en agujeros o huecos de tierra, en especial madrigueras de tortugas de tierra. Las hembras ponen 4 hasta 12 huevos blancos entre abril y junio, y la cría emergen entre julio y octubre.

PROTECCIÓN LEGAL. La culebra Índigo del Este es clasificada como especie amenazada por el USFWS, la Comisión de Conservación de Pesca y Vida Silvestre de Florida y el Departamento de Recursos Naturales de Georgia. Intento de matar, hostigar, herir, lastimar, perseguir, cazar, disparar, capturar, coleccionar o conducta parecida hacia las culebras Índigo del Este es prohibido por la Ley Federal de Especies en Peligro de Extinción. Penalidades incluyen un máximo de \$25,000 por violaciones civiles y \$50,000 y/o encarcelamiento por actos criminales. Solos individuales autorizados con un permiso o Determinación de toma incidental (Incidental Take Statement) asociado con una Opinión Biológico del USFWS pueden recoger una Índigo del Este.

Por favor de contactar tu Oficina de Campo de Servicios Ecológicos más cercana si encuentras una culebra Índigo del Este viva o muerta:

Oficina de Florida: (352) 448-9151

Oficina de Georgia: (706) 613-9493

U.S. Army Corps of Engineers (USACE)
PRELIMINARY JURISDICTIONAL DETERMINATION (PJD)

For use of this form, see Sec 404 CWA, Sec 10 RHA, Sec 103 MPRSA;
the proponent agency is CECW-COR.

Form Approved -
OMB No. 0710-0024
Expires 2027-09-30

DATA REQUIRED BY THE PRIVACY ACT OF 1974

Authority Rivers and Harbors Act, Section 10, 33 USC 403; Clean Water Act, Section 404, 33 USC 1344; Marine Protection, Research, and Sanctuaries Act, Section 103, 33 USC 1413; Regulatory Program of the U.S. Army Corps of Engineers; Final Rule for 33 CFR Parts 320-332.

Principal Purpose This form is used by USACE staff in evaluating your request to determine whether there are any aquatic resources within the review area that may be subject to federal jurisdiction under the regulatory authorities referenced above.

Routine Uses This information may be shared with the Department of Justice and other federal, state, and local government agencies, and the public, and may be made available as part of a public notice or FOIA request as required by federal law. Your name and property location where federal jurisdiction is to be determined will be included in any resulting jurisdictional determination (JD), which may be made available to the public on the District's website and/or on the Headquarters USACE website.

Disclosure Submission of requested information is voluntary; however, if information is not provided, the request for a JD cannot be evaluated nor can a PJD be issued.

The Agency Disclosure Notice (ADN)

The public reporting burden for this collection of information, 0710-0024, is estimated to average 25 minutes per response, including the time for reviewing instructions, searching existing data sources, gathering and maintaining the data needed, and completing and reviewing the collection of information. Send comments regarding the burden estimate or burden reduction suggestions to the Department of Defense, Washington Headquarters Services, at whs.mc-alex.esd.mbx.dd-dod-information-collections@mail.mil. Respondents should be aware that notwithstanding any other provision of law, no person shall be subject to any penalty for failing to comply with a collection of information if it does not display a currently valid OMB control number.

SECTION I - BACKGROUND INFORMATION

A. REPORT COMPLETION DATE FOR PJD:

B. NAME AND ADDRESS OF PERSON REQUESTING PJD:
Florida Department of Transportation (FDOT) - District 3
Joseph Mixon, P.E.
1074 Highway 90, P.O. Box 607
Chipley, Florida 32428

C. DISTRICT OFFICE, FILE NAME, AND NUMBER: Jacksonville District
SAJ-2025-02494
DOVER ROAD INTERSECTION IMPROVEMENTS

D. PROJECT LOCATION AND BACKGROUND INFORMATION:

(USE THE TABLE BELOW TO DOCUMENT MULTIPLE AQUATIC RESOURCES AND/OR AQUATIC RESOURCES AT DIFFERENT SITES)

State: Florida County/Parish/Borough: Gadsden City: Midway

Center coordinates of site (lat/long in degree decimal format): Latitude: 30.505483 ° Longitude: -84.45394 °

Universal Transverse Mercator: UTM 16

Name of nearest waterbody: Holley Branch

E. REVIEW PERFORMED FOR SITE EVALUATION (CHECK ALL THAT APPLY):

☒ Office (Desk) Determination. Date: August 2025

☒ Field Determination

Date(s): July 2025

TABLE OF AQUATIC RESOURCES IN REVIEW AREA WHICH "MAY BE" SUBJECT TO REGULATORY JURISDICTION.

Site Number	Latitude (decimal degrees)	Longitude (decimal degrees)	Estimated amount of aquatic resource in review area (acreage and linear feet, if applicable)	Type of aquatic resource (i.e., wetland vs. non-wetland waters)	Geographic authority to which the aquatic resource "may be" subject (i.e., Section 404 or Section 10/404)

	Site Number	Latitude (<i>decimal degrees</i>)	Longitude (<i>decimal degrees</i>)	Estimated amount of aquatic resource in review area (<i>acreage and linear feet, if applicable</i>)	Type of aquatic resource (<i>i.e., wetland vs. non-wetland waters</i>)	Geographic authority to which the aquatic resource "may be" subject (<i>i.e., Section 404 or Section 10/404</i>)
	Wetland D1	30.50668889	-85.45351111	2.93 Acres	Wetland waters Non-tidal	Section 404
	OSW D2	30.50707222	-84.45399444	0.06 Acres	Non-wetland water Non-tidal	Section 404
	Wetland D3	30.50682500	-84.45306389	0.08 Acres	Wetland waters Non-tidal	Section 404
	OSW D4	30.50667778	-84.45296389	0.01 Acres	Non-wetland water Non-tidal	Section 404
	OSW D5	30.50656667	-84.45311111	0.01 Acres	Non-wetland water Non-tidal	Section 404
	OSW D6	30.50728056	-84.45347222	0.01 Acres	Non-wetland water Non-tidal	Section 404
	OSW D7	30.50670278	-84.45325833	0.03 Acres	Non-wetland water Non-tidal	Section 404

1) The Corps of Engineers believes that there may be jurisdictional aquatic resources in the review area, and the requestor of this PJD is hereby advised of his or her option to request and obtain an approved JD (AJD) for that review area based on an informed decision after having discussed the various types of JDs and their characteristics and circumstances when they may be appropriate.

2) In any circumstance where a permit applicant obtains an individual permit, or a Nationwide General Permit (NWP) or other general permit verification requiring "preconstruction notification" (PCN), or requests verification for a non-reporting NWP or other general permit, and the permit applicant has not requested an AJD for the activity, the permit applicant is hereby made aware that: (1) the permit applicant has elected to seek a permit authorization based on a PJD or no JD whatsoever, which do not make an official determination of jurisdictional aquatic resources; (2) the applicant has the option to request an AJD before accepting the terms and conditions of the permit authorization, and that basing a permit authorization on an AJD could possibly result in less compensatory mitigation being required or different special conditions; (3) the applicant has the right to request an individual permit rather than accepting the terms and conditions of the NWP or other general permit authorization; (4) the applicant can accept a permit authorization and thereby agree to comply with all the terms and conditions of that permit, including whatever mitigation requirements the USACE has determined to be necessary; (5) undertaking any activity in reliance upon the subject permit authorization without requesting an AJD constitutes the applicant's acceptance of the use of the PJD or reliance on no JD whatsoever; (6) accepting a permit authorization (e.g., signing a proffered individual permit) or undertaking any activity in reliance on any form of USACE permit authorization based on a PJD or no JD whatsoever constitutes agreement that all aquatic resources in the review area affected in any way by that activity will be treated as jurisdictional, and waives any challenge to such jurisdiction in any administrative or judicial compliance or enforcement action, or in any administrative appeal or in any Federal court; and (7) whether the applicant elects to use either an AJD or a PJD, the JD will be processed as soon as practicable. Further, an AJD, a proffered individual permit (and all terms and conditions contained therein), or individual permit denial can be administratively appealed pursuant to 33 C.F.R. Part 331. If, during an administrative appeal, it becomes appropriate to make an official determination whether geographic jurisdiction exists over aquatic resources in the review area, or to provide an official delineation of jurisdictional aquatic resources in the review area, the USACE will provide an AJD to accomplish that result, as soon as is practicable. This PJD finds that there "may be" waters of the U.S. and/or that there "may be" navigable waters of the U.S. on the subject review area, and identifies all aquatic features in the review area that could be affected by the proposed activity, based on the following information:

F. SUPPORTING DATA. Data reviewed for PJD (*check all that apply*)

Checked items should be included in subject file. Appropriately reference sources below where indicated for all checked items:

☒ Maps, plans, plots or plat submitted by or on behalf of the PJD requestor:

Map: Wetland/OSW Impact Map (Figure A1)

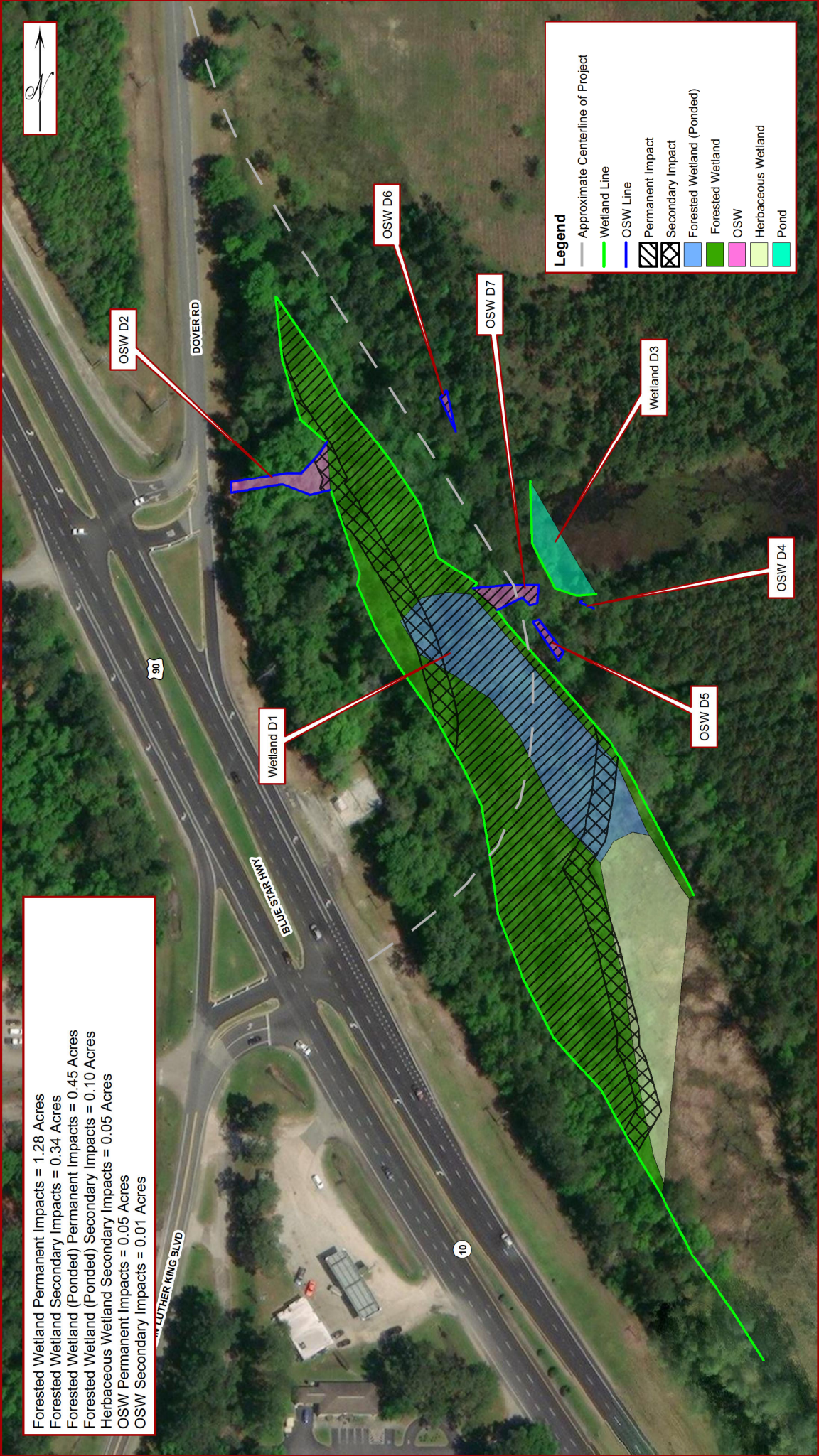
☒ Data sheets prepared/submitted by or on behalf of the PJD requestor. Office

☒ concurs with data sheets/delineation report.

☐ Office does not concur with data sheets/delineation report. Rationale: _____		
☐ Data sheets prepared by the USACE: _____		
☐ Corps navigable waters' study: _____		
☐ U.S. Geological Survey Hydrologic Atlas: _____		
☐ USGS NHD data. ☐ USGS 8 and 12 digit HUC maps. ☐ U.S. Geological Survey map(s). Cite scale & quad name: _____		
☒ USDA Natural Resources Conservation Service Soil Survey. Citation: <u>2023, USDA/NRCS Soil Survey, Figure 5.</u>		
☒ National Wetlands Inventory map(s). Cite Name: <u>2023, USFWS NWI, Figure 8.</u>		
☒ State/Local Wetland Inventory map(s): <u>2022 FLUCCS Land Use Map, Figure 7</u>		
☒ FEMA/FIRM maps: <u>FEMA DFIRM database 12063C, panel 0314D publication date December 17, 2010. Figure 6.</u>		
☐ 100-year Floodplain Elevation is: _____ . (National Geodetic Vertical Datum of 1929)		
☒ Photographs: ☒ Aerial (Name & Date): <u>2023, ESRI, Figure 3.</u> or ☒ Other (Name & Date): <u>2022, Site Photographs, Attached</u>		
☐ Previous determination(s). File no. and date of response letter: _____		
☒ Other information (please specify): <u>Wetland Determination Data Forms, Attached</u>		
IMPORTANT NOTE: The information recorded on this form has not necessarily been verified by the USACE and should not be relied upon for later jurisdictional determinations.		
Name of Regulatory Staff Member Completing PJD Lucille R. Brandenburg	Date 3/5/2026	Signature of Regulatory Staff Member Completing PJD Lucille R Brandenburg Digitally signed by Lucille R Brandenburg Date: 2026.03.10 11:28:16 -05'00'
Name of Person Requesting PJD Joseph Mixon, P.E.	Date 8/27/2025	Signature of Person Requesting PJD (REQUIRED, unless obtaining the Signature is Impracticable) 

¹ Districts may establish timeframes for requester to return signed PJD forms. If the requester does not respond within the established time frame, the district may presume concurrence and no additional follow up is necessary prior to finalizing an action.

Forested Wetland Permanent Impacts = 1.28 Acres
 Forested Wetland Secondary Impacts = 0.34 Acres
 Forested Wetland (Ponded) Permanent Impacts = 0.45 Acres
 Forested Wetland (Ponded) Secondary Impacts = 0.10 Acres
 Herbaceous Wetland Secondary Impacts = 0.05 Acres
 OSW Permanent Impacts = 0.05 Acres
 OSW Secondary Impacts = 0.01 Acres



Legend

- Approximate Centerline of Project
- Wetland Line
- OSW Line
- Permanent Impact
- Secondary Impact
- Forested Wetland (Ponded)
- Forested Wetland
- OSW
- Herbaceous Wetland
- Pond

DRAWN: H. COOPER, E.I.		CHECKED: C. GORMAN, P.E.	
ENGINEER: C. GORMAN, P.E.		TITLE: LOCATION OF WETLAND/OSW IMPACTS MAP	
CLIENT: MOTT MACDONALD FLORIDA, LLC		SR 10 (US 90) AT DOVER ROAD	
PROJ. NO.: 045-023-22-05		INTERSECTION IMPROVEMENTS	
SCALE:		GADSDEN COUNTY, FLORIDA	
		FPID: 448500-1-52-01	
		DATE: June 2023	FIGURE NO.: A1

ENVIRONMENTAL AND GEOTECHNICAL SPECIALISTS, INC.
 3876 Hartsfield Drive, Tallahassee, Florida 32303
 Office #: (850) 386-1253 Fax #: (850) 385-8050

Legend

Approximate Centerline of Project



PROPOSED DOVER ROAD INTERSECTION

DRAWN: E. RODRIGUEZ ENGINEER/SCIENTIST: S. McCONNELL CLIENT: MOTT MACDONALD FLORIDA, LLC PROJ. NO.: 046-023-25-05	CHECKED: H. COOPER, E.I. ENVIRONMENTAL AND GEOTECHNICAL SPECIALISTS, INC. 3676 Hartsfield Road, Tallahassee, Florida 32303 Office #: (850) 386-1253 Fax #: (850) 385-8050	
	TITLE: AERIAL PHOTOGRAPH OF PROJECT LOCATION SR 10 (US 90) AT DOVER ROAD INTERSECTION IMPROVEMENTS GADSDEN COUNTY, FLORIDA FPID: 449500-1-52-01	DATE: JUNE 2025 FIGURE NO.: 3

Legend

— Approximate Centerline of Project

USDA Soil Survey (SHWT)

- 9, Bonifay-Alpin complex, 0 to 5 percent slopes
- 11, Troup-Bonifay-Fuquay complex, 8 to 15 percent slopes
- 12, Bonneau-Leefield-Norfolk complex, 0 to 5 percent slopes
- 41, Norfolk loamy fine sand, 0 to 2 percent slopes
- 42, Norfolk loamy fine sand, 2 to 5 percent slopes
- 46, Orangeburg loamy sand, 2 to 5 percent slopes
- 48, Fuquay-Orangeburg-Norfolk complex, 8 to 15 percent slopes
- 49, Orangeburg-Norfolk complex, 2 to 5 percent slopes
- 65, Udothearts, reclaimed
- 99, Water
- 107, Fuquay-Bonifay complex, 0 to 5 percent slopes



HENRY DOVER POND

HOLLEY BRANCH

DOVER RD

BLUE STAR HWY

MARTIN LUTHER KING BLVD

PROPOSED DOVER ROAD INTERSECTION

COLOR	DEPTH TO SHWT (FEET)
DARK BLUE	Ponded Water (Rivers, Lakes)
BLUE	0 to 1.0
LIGHT BLUE	1.0 to 3.0
YELLOW	3.0 to 6.0
BROWN	> 6.0
HATCH	MATERIAL
	MUCK (ORG. > 5.0%)
	SWELLING CLAY (LL > 50)
	MUCK AND CLAY



DRAWN: E. RODRIGUEZ	CHECKED: H. COOPER, E.I.
ENGINEER/SCIENTIST	S. McCONNELL
CLIENT:	MOTT MACDONALD FLORIDA, LLC
PROJ. NO.:	046-023-25-05

ENVIRONMENTAL AND GEOTECHNICAL SPECIALISTS, INC.
3676 Hartsfield Road, Tallahassee, Florida 32303
Office #: (850) 385-1253 Fax #: (850) 385-8050

TITLE:	USDA SOIL SURVEY (SHWT) MAP SR 10 (US 90) AT DOVER ROAD INTERSECTION IMPROVEMENTS GADSDEN COUNTY, FLORIDA FPID: 449500-152-01
DATE:	JUNE 2025
FIGURE NO.:	5

Legend

— Approximate Centerline of Project

FEMA Flood Zones

Zone A: 100-Year Floodplain, No Base Flood Elevations Determined

Zone X (Unshaded): Areas Determined to Lie Outside the 50C-Year Floodplain

Note: Floodplain information obtained from FEMA DFIRM databased 12039C, panels 0264C, publication date February 4th, 2009.



DRAWN: E. RODRIGUEZ

CHECKED: H. COOPER, E.I.

ENGINEER/SCIENTIST

S. McCONNELL

CLIENT:

MOTT MACDONALD FLORIDA, LLC

PROJ. NO.:

046-023-25-05

TITLE:

**ENVIRONMENTAL AND GEOTECHNICAL
SPECIALISTS, INC.**

3676 Hartsfield Road, Tallahassee, Florida 32303
Office #: (850) 386-1253 Fax #: (850) 385-8050

FEMA FLOODPLAIN MAP
SR 10 (US 90) AT DOVER ROAD
INTERSECTION IMPROVEMENTS
GADSDEN COUNTY, FLORIDA
FPID: 449500-152-01

DATE: JUNE 2025

FIGURE NO.:

6

Legend

Approximate Centerline of Project

2022 FLUCCS Land Use

1110: Low Density, Fixed Single Family Units

1400: Commercial and Services

1750: Governmental

2110: Improved Pastures

3200: Shrub and Brushland

4200: Upland Hardwood Forests

4340: Upland Mixed - Coniferous / Hardwood

4430: Forest Regeneration Areas

5300: Reservoirs

6170: Mixed Wetland Hardwoods

6410: Freshwater Marshes

8140: Roads and Highways

0

150

300

600

Feet



DRAWN: E RODRIGUEZ		CHECKED: H. COOPER, E.I.	ENVIRONMENTAL AND GEOTECHNICAL SPECIALISTS, INC. 3676 Hartsfield Road, Tallahassee, Florida 32303 Office #: (850) 386-1253 Fax #: (850) 385-8050	TITLE:	2022 FLUCCS LAND USE MAP SR 10 (US 90) AT DOVER ROAD INTERSECTION IMPROVEMENTS GADSDEN COUNTY, FLORIDA FPID: 449500-152-01
ENGINEER/SCIENTIST:		S. McCONNELL		DATE:	JUNE 2025
CLIENT:		MOTT MACDONALD FLORIDA, LLC		FIGURE NO.:	7
PROJ. NO.:		046-023-25-05			

Legend

Approximate Centerline of Project

National Wetlands Inventory

Freshwater Emergent Wetland

Freshwater Forested/Shrub Wetland

Freshwater Pond

Lake

Riverine



DRAWN: E. RODRIGUEZ ENGINEER/SCIENTIST: S. McCONNELL CLIENT: MOTT MACDONALD FLORIDA, LLC PROJ. NO.: 046-023-25-05	CHECKED: H. COOPER, E.I. ENVIRONMENTAL AND GEOTECHNICAL SPECIALISTS, INC. 3676 Hartsfield Road, Tallahassee, Florida 32303 Office #: (850) 386-1253 Fax #: (850) 385-8050	
	TITLE: NATIONAL WETLANDS INVENTORY MAP SR 10 (US 90) AT DOVER ROAD INTERSECTION IMPROVEMENTS GADSDEN COUNTY, FLORIDA FPID: 449500-152-01	DATE: JUNE 2025 FIGURE NO.: 8



PHOTOGRAPH OF WETLAND SITE D1, FORESTED



PHOTOGRAPH OF WETLAND SITE D1, HERBACEOUS

DRAWN:	FIGURE:	TITLE:
H. COOPER, E.I.	A2	2022 SITE PHOTOGRAPHS OF IMPACT AREAS SR 10 (US 90) AT DOVER ROAD GADSDEN COUNTY
ENVIRONMENTAL AND GEOTECHNICAL SPECIALISTS, INC.		



PHOTOGRAPH OF OSW D2 FROM WETLAND SITE D1



PHOTOGRAPH OF WETLAND SITE D3

DRAWN:

H. COOPER, E.I.

FIGURE:

A3

ENVIRONMENTAL AND GEOTECHNICAL
SPECIALISTS, INC.

TITLE:

2022 SITE PHOTOGRAPHS OF IMPACT AREAS
SR 10 (US 90) AT DOVER ROAD
GADSDEN COUNTY

U.S. Army Corps of Engineers WETLAND DETERMINATION DATA SHEET – Atlantic and Gulf Coastal Plain Region See ERDC/EL TR-10-20; the proponent agency is CECW-CO-R		OMB Control #: 0710-0024, Exp: 9/30/2027 Requirement Control Symbol EXEMPT: (Authority: AR 335-15, paragraph 5-2a)						
Project/Site: <u>SR 10 at Dover Road</u> City/County: <u>Gadsden</u> Sampling Date: <u>7/1/2025</u>								
Applicant/Owner: <u>FDOT</u> State: <u>FL</u> Sampling Point: <u>W1</u>								
Investigator(s): <u>H Cooper and T Ludyjan-Ybarra</u> Section, Township, Range: <u>5/8-1N-2W</u>								
Landform (hillside, terrace, etc.): _____ Local relief (concave, convex, none): <u>concave</u> Slope (%): _____								
Subregion (LRR or MLRA): <u>LRR P</u> Lat: <u>30.507240 N</u> Long: <u>84.453890 W</u> Datum: _____								
Soil Map Unit Name: <u>48, Fuquay-Orangeburg-Norfolk complex, 8 to 15 percent slopes</u> NWI classification: _____								
Are climatic / hydrologic conditions on the site typical for this time of year? Yes <u>X</u> No _____ (If no, explain in Remarks.)								
Are Vegetation _____, Soil _____, or Hydrology _____ significantly disturbed? Are "Normal Circumstances" present? Yes <u>X</u> No _____								
Are Vegetation _____, Soil _____, or Hydrology _____ naturally problematic? (If needed, explain any answers in Remarks.)								
SUMMARY OF FINDINGS – Attach site map showing sampling point locations, transects, important features, etc.								
<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 50%; vertical-align: top;"> Hydrophytic Vegetation Present? Yes <u>x</u> No _____ Hydric Soil Present? Yes <u>x</u> No _____ Wetland Hydrology Present? Yes <u>x</u> No _____ </td> <td style="width: 50%; vertical-align: top;"> Is the Sampled Area within a Wetland? Yes <u>X</u> No _____ </td> </tr> <tr> <td colspan="2" style="height: 100px; vertical-align: top;"> Remarks: </td> </tr> </table>			Hydrophytic Vegetation Present? Yes <u>x</u> No _____ Hydric Soil Present? Yes <u>x</u> No _____ Wetland Hydrology Present? Yes <u>x</u> No _____	Is the Sampled Area within a Wetland? Yes <u>X</u> No _____	Remarks:			
Hydrophytic Vegetation Present? Yes <u>x</u> No _____ Hydric Soil Present? Yes <u>x</u> No _____ Wetland Hydrology Present? Yes <u>x</u> No _____	Is the Sampled Area within a Wetland? Yes <u>X</u> No _____							
Remarks:								
HYDROLOGY								
<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td colspan="2" style="vertical-align: top;"> Wetland Hydrology Indicators: <u>Primary Indicators (minimum of one is required; check all that apply)</u> <u>x</u> Surface Water (A1) <u>X</u> High Water Table (A2) <u>X</u> Saturation (A3) _____ Water Marks (B1) _____ Sediment Deposits (B2) _____ Drift Deposits (B3) _____ Algal Mat or Crust (B4) _____ Iron Deposits (B5) <u>x</u> Inundation Visible on Aerial Imagery (B7) _____ Water-Stained Leaves (B9) _____ Aquatic Fauna (B13) _____ Marl Deposits (B15) (LRR U) _____ Hydrogen Sulfide Odor (C1) _____ Oxidized Rhizospheres on Living Roots (C3) _____ Presence of Reduced Iron (C4) _____ Recent Iron Reduction in Tilled Soils (C6) _____ Thin Muck Surface (C7) _____ Other (Explain in Remarks) </td> <td style="vertical-align: top;"> <u>Secondary Indicators (minimum of two required)</u> _____ Surface Soil Cracks (B6) _____ Sparsely Vegetated Concave Surface (B8) <u>x</u> Drainage Patterns (B10) _____ Moss Trim Lines (B16) _____ Dry-Season Water Table (C2) <u>X</u> Crayfish Burrows (C8) <u>x</u> Saturation Visible on Aerial Imagery (C9) _____ Geomorphic Position (D2) _____ Shallow Aquitard (D3) _____ FAC-Neutral Test (D5) _____ Sphagnum Moss (D8) (LRR T, U) </td> </tr> </table>			Wetland Hydrology Indicators: <u>Primary Indicators (minimum of one is required; check all that apply)</u> <u>x</u> Surface Water (A1) <u>X</u> High Water Table (A2) <u>X</u> Saturation (A3) _____ Water Marks (B1) _____ Sediment Deposits (B2) _____ Drift Deposits (B3) _____ Algal Mat or Crust (B4) _____ Iron Deposits (B5) <u>x</u> Inundation Visible on Aerial Imagery (B7) _____ Water-Stained Leaves (B9) _____ Aquatic Fauna (B13) _____ Marl Deposits (B15) (LRR U) _____ Hydrogen Sulfide Odor (C1) _____ Oxidized Rhizospheres on Living Roots (C3) _____ Presence of Reduced Iron (C4) _____ Recent Iron Reduction in Tilled Soils (C6) _____ Thin Muck Surface (C7) _____ Other (Explain in Remarks)		<u>Secondary Indicators (minimum of two required)</u> _____ Surface Soil Cracks (B6) _____ Sparsely Vegetated Concave Surface (B8) <u>x</u> Drainage Patterns (B10) _____ Moss Trim Lines (B16) _____ Dry-Season Water Table (C2) <u>X</u> Crayfish Burrows (C8) <u>x</u> Saturation Visible on Aerial Imagery (C9) _____ Geomorphic Position (D2) _____ Shallow Aquitard (D3) _____ FAC-Neutral Test (D5) _____ Sphagnum Moss (D8) (LRR T, U)			
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<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 50%; vertical-align: top;"> Field Observations: Surface Water Present? Yes _____ No <u>X</u> Depth (inches): _____ Water Table Present? Yes <u>X</u> No _____ Depth (inches): <u>5</u> Saturation Present? Yes <u>X</u> No _____ Depth (inches): _____ (includes capillary fringe) </td> <td style="width: 50%; vertical-align: top;"> Wetland Hydrology Present? Yes <u>X</u> No _____ </td> </tr> <tr> <td colspan="2" style="height: 100px; vertical-align: top;"> Describe Recorded Data (stream gauge, monitoring well, aerial photos, previous inspections), if available: </td> </tr> <tr> <td colspan="2" style="height: 100px; vertical-align: top;"> Remarks: </td> </tr> </table>			Field Observations: Surface Water Present? Yes _____ No <u>X</u> Depth (inches): _____ Water Table Present? Yes <u>X</u> No _____ Depth (inches): <u>5</u> Saturation Present? Yes <u>X</u> No _____ Depth (inches): _____ (includes capillary fringe)	Wetland Hydrology Present? Yes <u>X</u> No _____	Describe Recorded Data (stream gauge, monitoring well, aerial photos, previous inspections), if available:		Remarks:	
Field Observations: Surface Water Present? Yes _____ No <u>X</u> Depth (inches): _____ Water Table Present? Yes <u>X</u> No _____ Depth (inches): <u>5</u> Saturation Present? Yes <u>X</u> No _____ Depth (inches): _____ (includes capillary fringe)	Wetland Hydrology Present? Yes <u>X</u> No _____							
Describe Recorded Data (stream gauge, monitoring well, aerial photos, previous inspections), if available:								
Remarks:								

VEGETATION (Five Strata) – Use scientific names of plants.

 Sampling Point: W1

Tree Stratum (Plot size: <u>0.1</u>)	Absolute % Cover	Dominant Species?	Indicator Status
1. <u>Liquidambar styraciflora</u>	<u>20</u>	<u>Yes</u>	<u>FAC</u>
2. <u>Quercus nigra</u>	<u>20</u>	<u>Yes</u>	<u>FAC</u>
3. _____	_____	_____	_____
4. _____	_____	_____	_____
5. _____	_____	_____	_____
6. _____	_____	_____	_____
	<u>40</u> =Total Cover		
50% of total cover: <u>20</u>		20% of total cover: <u>8</u>	

Sapling Stratum (Plot size: <u>0.1</u>)	Absolute % Cover	Dominant Species?	Indicator Status
1. <u>Aralia spinosa</u>	<u>20</u>	<u>Yes</u>	<u>FAC</u>
2. <u>Morella cerifera</u>	<u>10</u>	<u>Yes</u>	<u>FAC</u>
3. _____	_____	_____	_____
4. _____	_____	_____	_____
5. _____	_____	_____	_____
6. _____	_____	_____	_____
	<u>30</u> =Total Cover		
50% of total cover: <u>15</u>		20% of total cover: <u>6</u>	

Shrub Stratum (Plot size: <u>0.1</u>)	Absolute % Cover	Dominant Species?	Indicator Status
1. <u>Sabal palmetto</u>	<u>10</u>	<u>Yes</u>	<u>FAC</u>
2. _____	_____	_____	_____
3. _____	_____	_____	_____
4. _____	_____	_____	_____
5. _____	_____	_____	_____
6. _____	_____	_____	_____
	<u>10</u> =Total Cover		
50% of total cover: <u>5</u>		20% of total cover: <u>2</u>	

Herb Stratum (Plot size: <u>0.1</u>)	Absolute % Cover	Dominant Species?	Indicator Status
1. <u>Osmundastrum cinnamomeum</u>	<u>30</u>	<u>Yes</u>	<u>OBL</u>
2. <u>Oryzopsis asperifolia</u>	<u>20</u>	<u>Yes</u>	<u>UPL</u>
3. _____	_____	_____	_____
4. _____	_____	_____	_____
5. _____	_____	_____	_____
6. _____	_____	_____	_____
7. _____	_____	_____	_____
8. _____	_____	_____	_____
9. _____	_____	_____	_____
10. _____	_____	_____	_____
11. _____	_____	_____	_____
	<u>50</u> =Total Cover		
50% of total cover: <u>25</u>		20% of total cover: <u>10</u>	

Woody Vine Stratum (Plot size: <u>0.1</u>)	Absolute % Cover	Dominant Species?	Indicator Status
1. <u>Smilax laurifolia</u>	<u>10</u>	<u>Yes</u>	<u>FACW</u>
2. <u>Vitis rotundifolia</u>	<u>10</u>	<u>Yes</u>	<u>FAC</u>
3. <u>Panthenocissus quinquefolia</u>	<u>10</u>	<u>Yes</u>	<u>FACU</u>
4. _____	_____	_____	_____
5. _____	_____	_____	_____
	<u>30</u> =Total Cover		
50% of total cover: <u>15</u>		20% of total cover: <u>6</u>	

Dominance Test worksheet:

Number of Dominant Species That Are OBL, FACW, or FAC: 8 (A)

Total Number of Dominant Species Across All Strata: 10 (B)

Percent of Dominant Species That Are OBL, FACW, or FAC: 80.0% (A/B)

Prevalence Index worksheet:

Total % Cover of:	Multiply by:
OBL species <u>30</u>	x 1 = <u>30</u>
FACW species <u>10</u>	x 2 = <u>20</u>
FAC species <u>90</u>	x 3 = <u>270</u>
FACU species <u>10</u>	x 4 = <u>40</u>
UPL species <u>20</u>	x 5 = <u>100</u>
Column Totals: <u>160</u> (A)	<u>460</u> (B)
Prevalence Index = B/A = <u>2.88</u>	

Hydrophytic Vegetation Indicators:

1 - Rapid Test for Hydrophytic Vegetation

X 2 - Dominance Test is >50%

X 3 - Prevalence Index is ≤3.0¹

 Problematic Hydrophytic Vegetation¹ (Explain)

¹Indicators of hydric soil and wetland hydrology must be present, unless disturbed or problematic.

Definitions of Five Vegetation Strata:

Tree – Woody plants, excluding woody vines, approximately 20 ft (6 m) or more in height and 3 in. (7.6 cm) or larger in diameter at breast height (DBH).

Sapling – Woody plants, excluding woody vines, approximately 20 ft (6 m) or more in height and less than 3 in. (7.6 cm) DBH.

Shrub - Woody Plants, excluding woody vines, approximately 3 to 20 ft (1 to 6 m) in height.

Herb – All herbaceous (non-woody) plants, including herbaceous vines, regardless of size, and woody plants, except woody vines, less than approximately 3 ft (1 m) in height.

Woody Vine – All woody vines, regardless of height.

Hydrophytic Vegetation Present?

Yes X No

Remarks: (If observed, list morphological adaptations below.)

SOIL

Sampling Point: W1**Profile Description: (Describe to the depth needed to document the indicator or confirm the absence of indicators.)**

Depth (inches)	Matrix		Redox Features				Texture	Remarks
	Color (moist)	%	Color (moist)	%	Type ¹	Loc ²		
0-3	7.5R 2.5/1	100					Mucky Sand	
3-12	2.5Y 3/1	100					Sandy	small amount of redox around root areas, too small to sample

¹Type: C=Concentration, D=Depletion, RM=Reduced Matrix, MS=Masked Sand Grains.²Location: PL=Pore Lining, M=Matrix.**Hydric Soil Indicators: (Applicable to all LRRs, unless otherwise noted.)**

☐ Histosol (A1)	☐ Thin Dark Surface (S9) (LRR S, T, U)
☐ Histic Epipedon (A2)	☐ Barrier Islands 1 cm Muck (S12)
☐ Black Histic (A3)	(MLRA 153B, 153D)
☐ Hydrogen Sulfide (A4)	☐ Loamy Mucky Mineral (F1) (LRR O)
☐ Stratified Layers (A5)	☐ Loamy Gleyed Matrix (F2)
☐ Organic Bodies (A6) (LRR P, T, U)	☐ Depleted Matrix (F3)
☒ 5 cm Mucky Mineral (A7) (LRR P, T, U)	☐ Redox Dark Surface (F6)
☐ Muck Presence (A8) (LRR U)	☐ Depleted Dark Surface (F7)
☐ 1 cm Muck (A9) (LRR P, T)	☐ Redox Depressions (F8)
☐ Depleted Below Dark Surface (A11)	☐ Marl (F10) (LRR U)
☐ Thick Dark Surface (A12)	☐ Depleted Ochric (F11) (MLRA 151)
☐ Coast Prairie Redox (A16) (MLRA 150A)	☐ Iron-Manganese Masses (F12) (LRR O, P, T)
☐ Iron Monosulfide (A18)	☐ Umbric Surface (F13) (LRR P, T, U)
☐ Sandy Mucky Mineral (S1) (LRR O, S)	☐ Delta Ochric (F17) (MLRA 151)
☐ Sandy Gleyed Matrix (S4)	☐ Reduced Vertic (F18) (MLRA 150A, 150B)
☐ Sandy Redox (S5)	☐ Piedmont Floodplain Soils (F19) (MLRA 149A)
☐ Stripped Matrix (S6)	☐ Anomalous Bright Floodplain Soils (F20)
☒ Dark Surface (S7) (LRR P, S, T, U)	(MLRA 149A, 153C, 153D)
☐ Polyvalue Below Surface (S8)	☐ Very Shallow Dark Surface (F22)
(LRR S, T, U)	(MLRA 138, 152A in FL, 154)

Indicators for Problematic Hydric Soils³:

☐ 1 cm Muck (A9) (LRR O)
☐ 2 cm Muck (A10) (LRR S)
☐ Coast Prairie Redox (A16) (MLRA 149A)
☐ Reduced Vertic (F18)
(outside MLRA 150A, 150B)
☐ Piedmont Floodplain Soils (F19) (LRR P, T)
☐ Anomalous Bright Floodplain Soils (F20)
(MLRA 153B)
☐ Red Parent Material (F21)
☐ Very Shallow Dark Surface (F22)
(outside MLRA 138, 152A in FL, 154)
☐ Other (Explain in Remarks)

³Indicators of hydrophytic vegetation and wetland hydrology must be present, unless disturbed or problematic.**Restrictive Layer (if observed):**

Type: _____

Depth (inches): _____

Hydric Soil Present? Yes X No _____

Remarks:

Unable to go further than 12 inches due to soil saturation and water.

U.S. Army Corps of Engineers WETLAND DETERMINATION DATA SHEET – Atlantic and Gulf Coastal Plain Region See ERDC/EL TR-10-20; the proponent agency is CECW-CO-R	OMB Control #: 0710-0024, Exp: 9/30/2027 Requirement Control Symbol EXEMPT: (Authority: AR 335-15, paragraph 5-2a)
--	---

Project/Site: <u>SR 10 at Dover Road</u>	City/County: <u>Gadsden</u>	Sampling Date: <u>7/1/2025</u>
Applicant/Owner: <u>FDOT</u>	State: <u>FL</u>	Sampling Point: <u>U1</u>
Investigator(s): <u>H Cooper and T Ludyjan-Ybarra</u> Section, Township, Range: <u>5/8-1N-2W</u>		
Landform (hillside, terrace, etc.): <u>Roadside</u>	Local relief (concave, convex, none): _____	Slope (%): _____
Subregion (LRR or MLRA): <u>LRR P</u>	Lat: <u>30.507231 N</u>	Long: <u>84.454274 W</u> Datum: _____
Soil Map Unit Name: <u>9, Bonifay-Alpin complex, 0 to 5 percent slopes</u>		NWI classification: _____
Are climatic / hydrologic conditions on the site typical for this time of year? Yes <u>x</u> No _____ (If no, explain in Remarks.)		
Are Vegetation _____, Soil _____, or Hydrology _____ significantly disturbed? Are "Normal Circumstances" present? Yes <u>x</u> No _____		
Are Vegetation _____, Soil _____, or Hydrology _____ naturally problematic? (If needed, explain any answers in Remarks.)		

SUMMARY OF FINDINGS – Attach site map showing sampling point locations, transects, important features, etc.

Hydrophytic Vegetation Present? Yes _____ No <u>X</u> Hydric Soil Present? Yes _____ No <u>X</u> Wetland Hydrology Present? Yes _____ No <u>X</u>	Is the Sampled Area within a Wetland? Yes _____ No <u>X</u>
Remarks:	

HYDROLOGY

Wetland Hydrology Indicators: <u>Primary Indicators (minimum of one is required; check all that apply)</u> ☐ Surface Water (A1) ☐ High Water Table (A2) ☐ Saturation (A3) ☐ Water Marks (B1) ☐ Sediment Deposits (B2) ☐ Drift Deposits (B3) ☐ Algal Mat or Crust (B4) ☐ Iron Deposits (B5) ☐ Inundation Visible on Aerial Imagery (B7) ☐ Water-Stained Leaves (B9) ☐ Aquatic Fauna (B13) ☐ Marl Deposits (B15) (LRR U) ☐ Hydrogen Sulfide Odor (C1) ☐ Oxidized Rhizospheres on Living Roots (C3) ☐ Presence of Reduced Iron (C4) ☐ Recent Iron Reduction in Tilled Soils (C6) ☐ Thin Muck Surface (C7) ☐ Other (Explain in Remarks)	<u>Secondary Indicators (minimum of two required)</u> ☐ Surface Soil Cracks (B6) ☐ Sparsely Vegetated Concave Surface (B8) ☐ Drainage Patterns (B10) ☐ Moss Trim Lines (B16) ☐ Dry-Season Water Table (C2) ☐ Crayfish Burrows (C8) ☐ Saturation Visible on Aerial Imagery (C9) ☐ Geomorphic Position (D2) ☐ Shallow Aquitard (D3) ☐ FAC-Neutral Test (D5) ☐ Sphagnum Moss (D8) (LRR T, U)
Field Observations: Surface Water Present? Yes _____ No <u>x</u> Depth (inches): _____ Water Table Present? Yes _____ No <u>x</u> Depth (inches): _____ Saturation Present? Yes _____ No <u>x</u> Depth (inches): _____ (includes capillary fringe)	Wetland Hydrology Present? Yes _____ No <u>X</u>
Describe Recorded Data (stream gauge, monitoring well, aerial photos, previous inspections), if available: Remarks:	

VEGETATION (Five Strata) – Use scientific names of plants.

 Sampling Point: U1

Tree Stratum (Plot size: _____)	Absolute % Cover	Dominant Species?	Indicator Status
1. _____	_____	_____	_____
2. _____	_____	_____	_____
3. _____	_____	_____	_____
4. _____	_____	_____	_____
5. _____	_____	_____	_____
6. _____	_____	_____	_____
_____ = Total Cover			
50% of total cover: _____	20% of total cover: _____		

Sapling Stratum (Plot size: _____)	Absolute % Cover	Dominant Species?	Indicator Status
1. _____	_____	_____	_____
2. _____	_____	_____	_____
3. _____	_____	_____	_____
4. _____	_____	_____	_____
5. _____	_____	_____	_____
6. _____	_____	_____	_____
_____ = Total Cover			
50% of total cover: _____	20% of total cover: _____		

Shrub Stratum (Plot size: <u>0.1</u>)	Absolute % Cover	Dominant Species?	Indicator Status
1. _____	_____	_____	_____
2. _____	_____	_____	_____
3. _____	_____	_____	_____
4. _____	_____	_____	_____
5. _____	_____	_____	_____
6. _____	_____	_____	_____
_____ = Total Cover			
50% of total cover: _____	20% of total cover: _____		

Herb Stratum (Plot size: <u>0.1</u>)	Absolute % Cover	Dominant Species?	Indicator Status
1. <i>Paspalum notatum</i>	70	Yes	FACU
2. _____	_____	_____	_____
3. _____	_____	_____	_____
4. _____	_____	_____	_____
5. _____	_____	_____	_____
6. _____	_____	_____	_____
7. _____	_____	_____	_____
8. _____	_____	_____	_____
9. _____	_____	_____	_____
10. _____	_____	_____	_____
11. _____	_____	_____	_____
70 = Total Cover			
50% of total cover: <u>35</u>	20% of total cover: <u>14</u>		

Woody Vine Stratum (Plot size: _____)	Absolute % Cover	Dominant Species?	Indicator Status
1. _____	_____	_____	_____
2. _____	_____	_____	_____
3. _____	_____	_____	_____
4. _____	_____	_____	_____
5. _____	_____	_____	_____
_____ = Total Cover			
50% of total cover: _____	20% of total cover: _____		

Dominance Test worksheet:

Number of Dominant Species That Are OBL, FACW, or FAC: 0 (A)

Total Number of Dominant Species Across All Strata: 1 (B)

Percent of Dominant Species That Are OBL, FACW, or FAC: 0.0% (A/B)

Prevalence Index worksheet:

Total % Cover of:	Multiply by:
OBL species <u>0</u>	x 1 = <u>0</u>
FACW species <u>0</u>	x 2 = <u>0</u>
FAC species <u>0</u>	x 3 = <u>0</u>
FACU species <u>70</u>	x 4 = <u>280</u>
UPL species <u>0</u>	x 5 = <u>0</u>
Column Totals: <u>70</u> (A)	<u>280</u> (B)
Prevalence Index = B/A = <u>4.00</u>	

Hydrophytic Vegetation Indicators:

 1 - Rapid Test for Hydrophytic Vegetation

 2 - Dominance Test is >50%

 3 - Prevalence Index is ≤3.0¹

 Problematic Hydrophytic Vegetation¹ (Explain)

¹Indicators of hydric soil and wetland hydrology must be present, unless disturbed or problematic.

Definitions of Five Vegetation Strata:

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Woody Vine – All woody vines, regardless of height.

Hydrophytic Vegetation Present?

Yes No X

Remarks: (If observed, list morphological adaptations below.)

SOIL

Sampling Point: U1

Profile Description: (Describe to the depth needed to document the indicator or confirm the absence of indicators.)

Depth (inches)	Matrix		Redox Features				Texture	Remarks
	Color (moist)	%	Color (moist)	%	Type ¹	Loc ²		
0-6	5YR 5/8	50					Loamy/Clayey	
0-6	7.5R 4/3	50					Loamy/Clayey	

¹Type: C=Concentration, D=Depletion, RM=Reduced Matrix, MS=Masked Sand Grains.²Location: PL=Pore Lining, M=Matrix.

Hydric Soil Indicators: (Applicable to all LRRs, unless otherwise noted.)

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☐ 5 cm Mucky Mineral (A7) (LRR P, T, U)	☐ Redox Dark Surface (F6)
☐ Muck Presence (A8) (LRR U)	☐ Depleted Dark Surface (F7)
☐ 1 cm Muck (A9) (LRR P, T)	☐ Redox Depressions (F8)
☐ Depleted Below Dark Surface (A11)	☐ Marl (F10) (LRR U)
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☐ Reduced Vertic (F18)
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☐ Anomalous Bright Floodplain Soils (F20)
☐ (MLRA 153B)
☐ Red Parent Material (F21)
☐ Very Shallow Dark Surface (F22)
☐ (outside MLRA 138, 152A in FL, 154)
☐ Other (Explain in Remarks)

³Indicators of hydrophytic vegetation and wetland hydrology must be present, unless disturbed or problematic.

Restrictive Layer (if observed):

Type: Rock

Depth (inches): 6

Hydric Soil Present? Yes No X

Remarks:

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CONTRACT PLANS COMPONENTS

- ROADWAY PLANS
- SIGNING AND PAVEMENT MARKING PLANS
- SIGNALIZATION PLANS
- LIGHTING PLANS

INDEX OF ROADWAY PLANS

SHEET NO.	SHEET DESCRIPTION
1	KEY SHEET
2	SIGNATURE SHEET
3	DRAINAGE MAP
4-8	TYPICAL SECTIONS
9	MODEL MANAGEMENT
10-11	PROJECT CONTROL
12	GENERAL NOTES
13-18	ROADWAY PLANS
19-21	ROADWAY PROFILES
22	ROADWAY DETAILS
23-28	DRAINAGE NETWORK PLAN
29-31	DRAINAGE NETWORK PROFILE
32-41	DRAINAGE NETWORK CROSS SECTIONS
42	OPTIONAL MATERIALS TABULATION
43-44	STORMWATER FACILITY SWF #1
45	SWMF SOIL SURVEY
46	REPORT OF SWMF BORINGS
47	ROADWAY SOIL SURVEY
48-54	REPORT OF SOIL BORINGS
55	WICK DRAIN & SETTLEMENT MONITORING AREA
56	ORGANIC SOIL REMOVAL LIMITS & GEOSYNTHETIC REINFORCEMENT
57-77	CROSS SECTIONS
78-79	STORMWATER POLLUTION PREVENTION PLAN
80-81	WETLAND DELINEATION
82-86	TRAFFIC CONTROL PLAN
87-92	UTILITY ADJUSTMENT
93	SUMMARY OF VERIFIED UTILITIES

GOVERNING STANDARD PLANS:

Florida Department of Transportation, FY 2025-26 Standard Plans for Road and Bridge Construction and applicable Interim Revisions (IRs).

Standard Plans for Road Construction and associated IRs are available at the following website: <http://www.fdot.gov/design/standardplans>

APPLICABLE IRs: IR - -

Standard Plans for Bridge Construction are included in the Structures Plans Component

GOVERNING STANDARD SPECIFICATIONS:

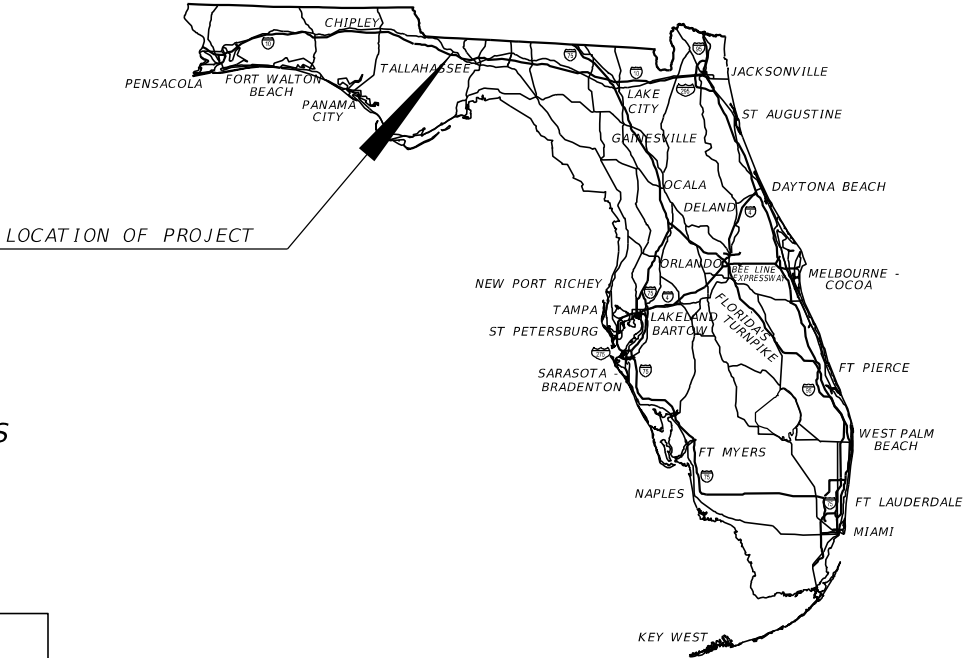
Florida Department of Transportation, FY 2024-25 Standard Specifications for Road and Bridge Construction at the following website: <http://www.fdot.gov/programmanagement/Implemented/SpecBooks>

STATE OF FLORIDA
DEPARTMENT OF TRANSPORTATION

ROADWAY PLANS

FINANCIAL PROJECT ID 449500-1-52-01
GADSDEN COUNTY (50030)
STATE ROAD NO. 10 (US 90)
SR 10 (US 90) AT DOVER ROAD INTERSECTION IMPROVEMENTS

PROJECT LOCATION URL:	https://tinyurl.com/2jdbjjbe
PROJECT LIMITS:	BEGIN MP 9.656 - END MP 9.975
EXCEPTIONS:	NONE
BRIDGE LIMITS:	NONE
RAILROAD CROSSING:	NONE



ROADWAY PLANS
ENGINEER OF RECORD:

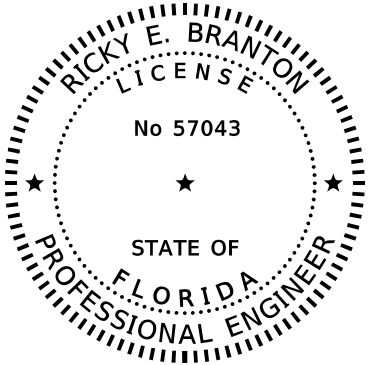
RICKY E. BRANTON, P.E.
P.E. LICENSE NUMBER 57043
MOTT MACDONALD FLORIDA, LLC.
1232 JACKSON AVENUE
CHIPLEY, FLORIDA 32428
(850) 260-3105
CONTRACT NO.: CAB46
VENDOR NO.: 59-1294824

FDOT PROJECT MANAGER:

KYLE MCCRARY, FDOT PM
(850) 330-1447

CONSTRUCTION CONTRACT NO.	FISCAL YEAR	SHEET NO.
T3A02	2025	1

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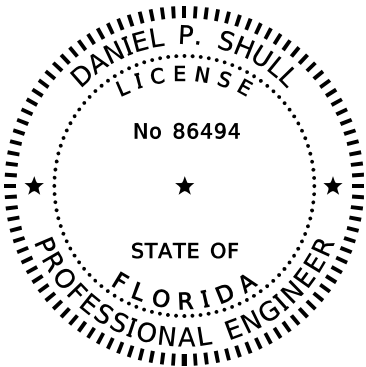
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CHIPLEY, FLORIDA 32428
RICKY E. BRANTON, P.E. NO. 57043

THE ABOVE NAMED PROFESSIONAL ENGINEER IS RESPONSIBLE FOR THE
FOLLOWING SHEETS IN ACCORDANCE WITH RULE 61G15-23.004, F.A.C.

<u>SHEET NO.</u>	<u>SHEET DESCRIPTION</u>
1	KEY SHEET
2	SIGNATURE SHEET
4-8	TYPICAL SECTIONS
9	MODEL MANAGEMENT
10-11	PROJECT CONTROL
12	GENERAL NOTES
13-18	ROADWAY PLANS
19-21	ROADWAY PROFILES
22	ROADWAY DETAILS
57-77	CROSS SECTIONS
82-86	TRAFFIC CONTROL PLAN
87-92	UTILITY ADJUSTMENT
S-1	KEY SHEET
S-2 - S-6	SIGNING AND PAVEMENT MARKING PLAN



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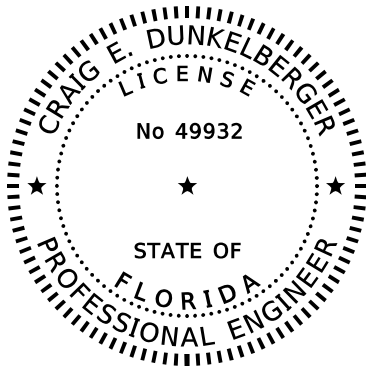
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MOTT MACDONALD FLORIDA, LLC
220 WEST GARDEN STREET, SUITE 700
PENSACOLA, FLORIDA 32502
DANIEL P. SHULL, P.E. NO. 86494

THE ABOVE NAMED PROFESSIONAL ENGINEER IS RESPONSIBLE FOR THE
FOLLOWING SHEETS IN ACCORDANCE WITH RULE 61G15-23.004, F.A.C.

<u>SHEET NO.</u>	<u>SHEET DESCRIPTION</u>
2	SIGNATURE SHEET
3	DRAINAGE MAP
23-28	DRAINAGE NETWORK PLAN
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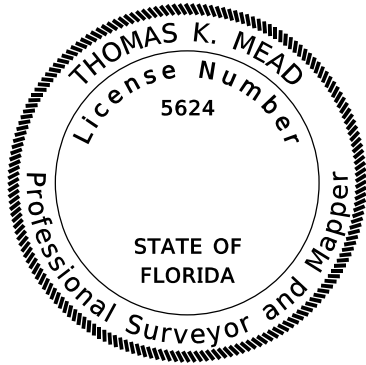
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ENVIRONMENTAL & GEOTECHNICAL
SPECIALISTS, INC
3676 HARTSFIELD ROAD
TALLAHASSEE, FLORIDA 32303
CRAIG E. DUNKELBERGER, P.E. NO. 49932

THE ABOVE NAMED PROFESSIONAL ENGINEER IS RESPONSIBLE FOR THE
FOLLOWING SHEETS IN ACCORDANCE WITH RULE 61G15-23.004, F.A.C.

<u>SHEET NO.</u>	<u>SHEET DESCRIPTION</u>
2	SIGNATURE SHEET
45	SWMF SOIL SURVEY
46	REPORT OF SWMF BORINGS
47	ROADWAY SOIL SURVEY
48-54	REPORT OF SOIL BORINGS
55	WICK DRAIN & SETTLEMENT MONITORING AREA
56	ORGANIC SOIL REMOVAL LIMITS & GEOSYNTHETIC REINFORCEMENT



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SOUTHEASTERN SURVEYING AND
MAPPING CORPORATION
1130 HIGHWAY 90 CHIPLEY, FL 32428
THOMAS K. MEAD, P.S.M. NO.: 5624

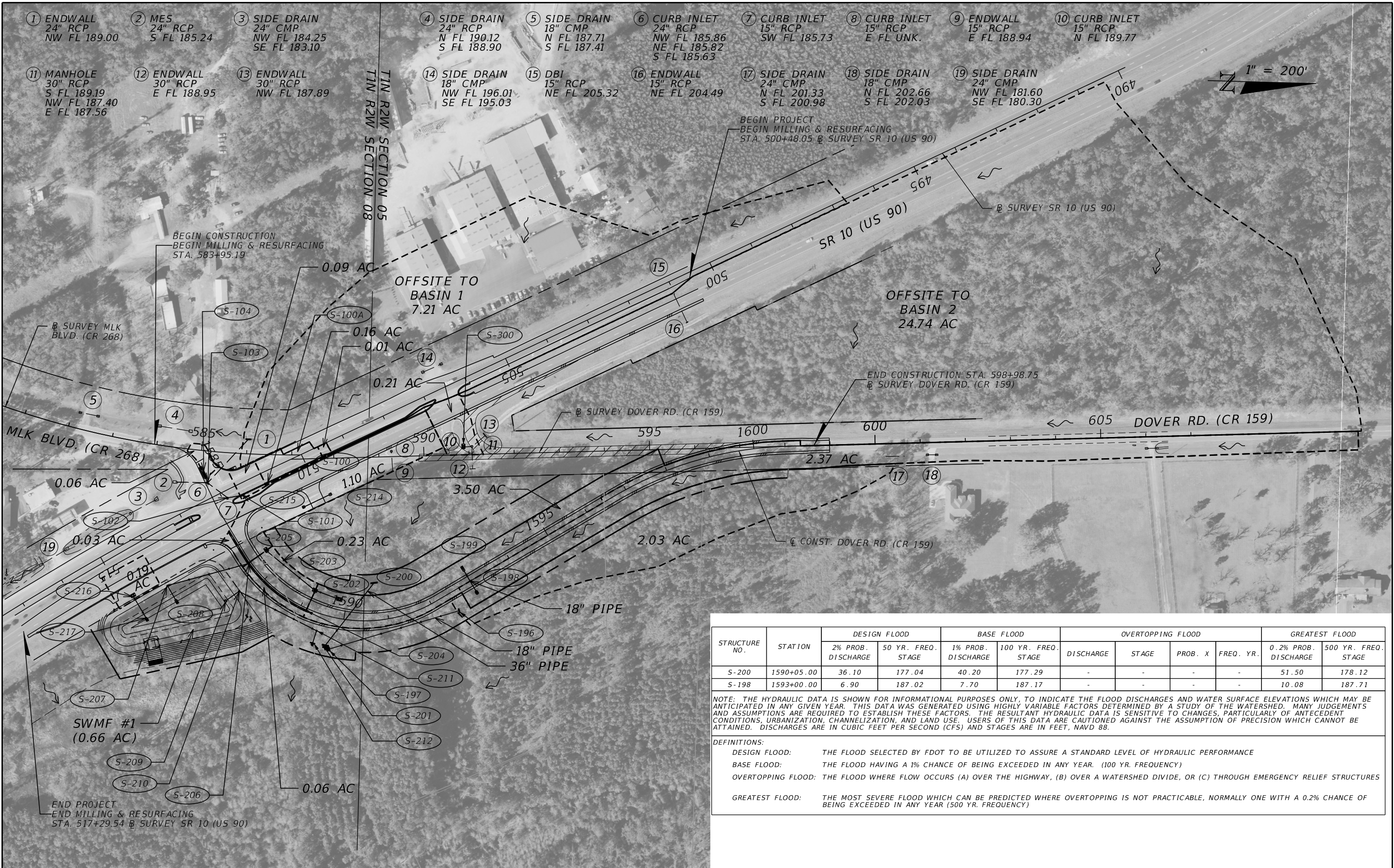
THE ABOVE NAMED PROFESSIONAL ENGINEER IS RESPONSIBLE FOR THE
FOLLOWING SHEETS IN ACCORDANCE WITH RULE 5J-17.062, F.A.C.

<u>SHEET NO.</u>	<u>SHEET DESCRIPTION</u>
2	SIGNATURE SHEET
93	SUMMARY OF VERIFIED UTILITIES

REVISIONS				ENGINEER OF RECORD			STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION			SIGNATURE SHEET	SHEET NO.
DATE	DESCRIPTION		DATE	DESCRIPTION			ROAD NO.	COUNTY	FINANCIAL PROJECT ID		
						RICKY BRANTON, P.E. LICENSE NUMBER: 57043 MOTT MACDONALD FLORIDA, LLC. 1232 JACKSON AVENUE CHIPLEY, FLORIDA 32428	SR 10	GADSDEN	449500-1-52-01		

FOR PERMITTING PURPOSES ONLY

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STRUCTURE NO.	STATION	DESIGN FLOOD		BASE FLOOD		OVERTOPPING FLOOD				GREATEST FLOOD	
		2% PROB. DISCHARGE	50 YR. FREQ. STAGE	1% PROB. DISCHARGE	100 YR. FREQ. STAGE	DISCHARGE	STAGE	PROB. X	FREQ. YR.	0.2% PROB. DISCHARGE	500 YR. FREQ. STAGE
S-200	1590+05.00	36.10	177.04	40.20	177.29	-	-	-	-	51.50	178.12
S-198	1593+00.00	6.90	187.02	7.70	187.17	-	-	-	-	10.08	187.71

NOTE: THE HYDRAULIC DATA IS SHOWN FOR INFORMATIONAL PURPOSES ONLY, TO INDICATE THE FLOOD DISCHARGES AND WATER SURFACE ELEVATIONS WHICH MAY BE ANTICIPATED IN ANY GIVEN YEAR. THIS DATA WAS GENERATED USING HIGHLY VARIABLE FACTORS DETERMINED BY A STUDY OF THE WATERSHED. MANY JUDGEMENTS AND ASSUMPTIONS ARE REQUIRED TO ESTABLISH THESE FACTORS. THE RESULTANT HYDRAULIC DATA IS SENSITIVE TO CHANGES, PARTICULARLY OF ANTECEDENT CONDITIONS, URBANIZATION, CHANNELIZATION, AND LAND USE. USERS OF THIS DATA ARE CAUTIONED AGAINST THE ASSUMPTION OF PRECISION WHICH CANNOT BE ATTAINED. DISCHARGES ARE IN CUBIC FEET PER SECOND (CFS) AND STAGES ARE IN FEET, NAVD 88.

DEFINITIONS:	
DESIGN FLOOD:	THE FLOOD SELECTED BY FDOT TO BE UTILIZED TO ASSURE A STANDARD LEVEL OF HYDRAULIC PERFORMANCE
BASE FLOOD:	THE FLOOD HAVING A 1% CHANCE OF BEING EXCEEDED IN ANY YEAR. (100 YR. FREQUENCY)
OVERTOPPING FLOOD:	THE FLOOD WHERE FLOW OCCURS (A) OVER THE HIGHWAY, (B) OVER A WATERSHED DIVIDE, OR (C) THROUGH EMERGENCY RELIEF STRUCTURES
GREATEST FLOOD:	THE MOST SEVERE FLOOD WHICH CAN BE PREDICTED WHERE OVERTOPPING IS NOT PRACTICABLE, NORMALLY ONE WITH A 0.2% CHANCE OF BEING EXCEEDED IN ANY YEAR (500 YR. FREQUENCY)

REVISIONS				ENGINEER OF RECORD	STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION			SHEET NO. 3
DATE	DESCRIPTION	DATE	DESCRIPTION		ROAD NO.	COUNTY	FINANCIAL PROJECT ID	
					SR 10	GADSDEN	449500-1-52-01	

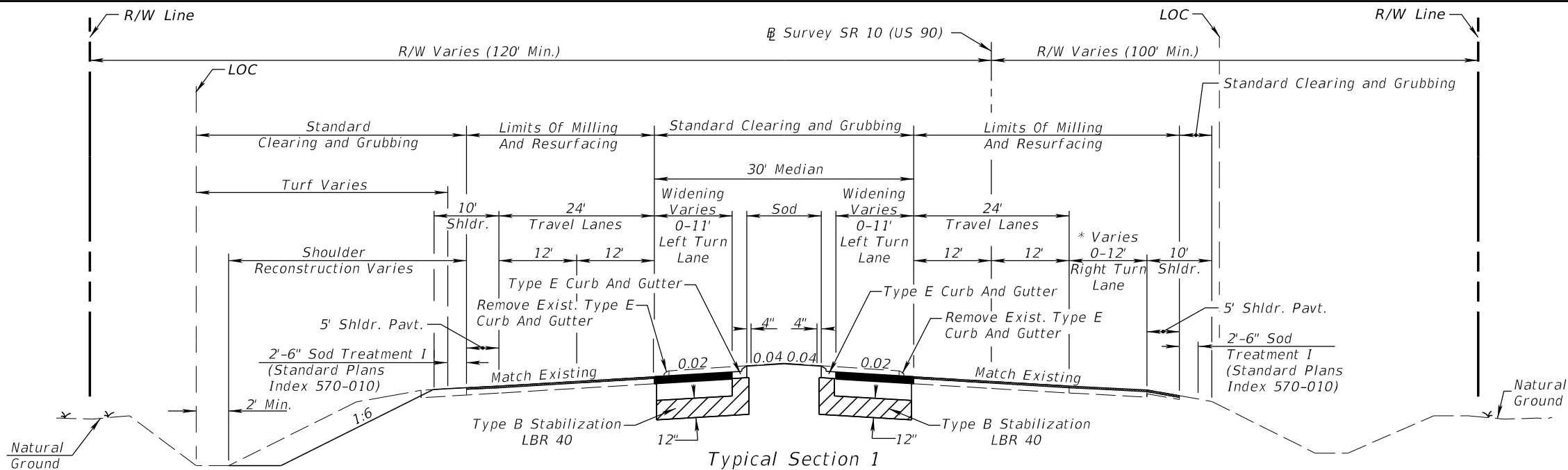
DANIEL P. SHULL, PE
LICENSE NUMBER: 86494
MOTT MACDONALD FLORIDA, LLC.
220 WEST GARDEN STREET, SUITE 700
PENSACOLA, FLORIDA 32502

DRAINAGE MAP

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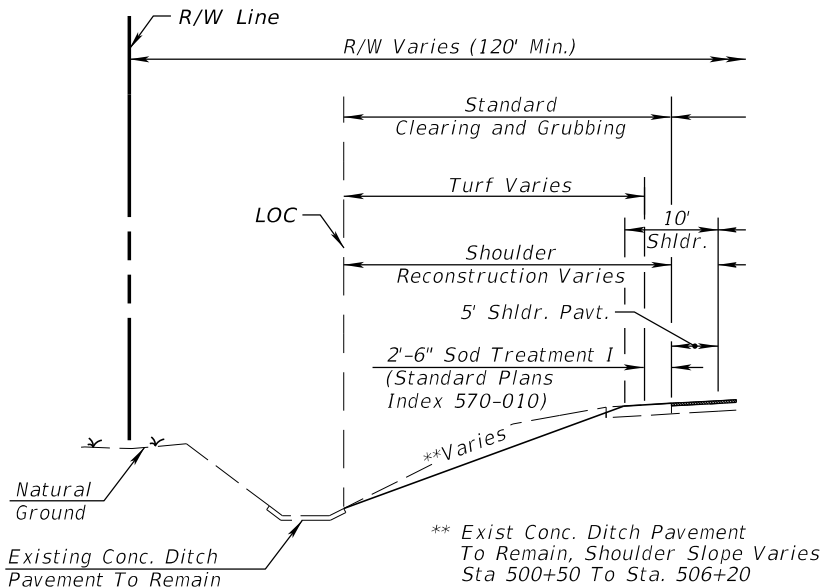
FOR PERMITTING PURPOSES ONLY

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Traffic Data	
CURRENT YEAR	= 2020 AADT = 20500
ESTIMATED OPENING YEAR	= 2023 AADT = 22350
ESTIMATED DESIGN YEAR	= 2043 AADT = 25700
K = 9 % D = 56.7% T = 6.9% (24 HOUR)	
DESIGN HOUR T	= 3.08%
TARGET SPEED	= 55 MPH
DESIGN SPEED	= 65 MPH
POSTED SPEED	= 55 MPH
CONTEXT CLASSIFICATION	= C2
CLEAR ZONE	= 36'

- Typical Section Notes**
1. Static Compaction Only.
 2. Inside Turn Lanes Should Be Set At An Elevation That Is Flush With Adjacent Travel Lanes.



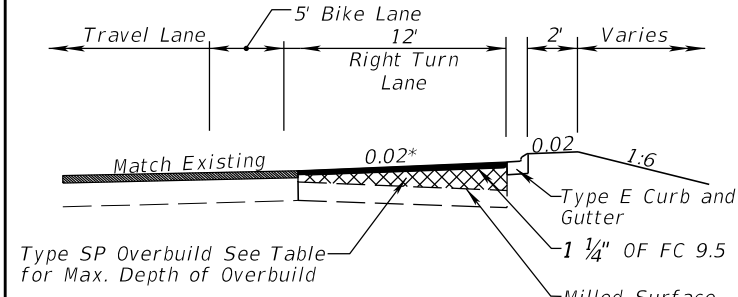
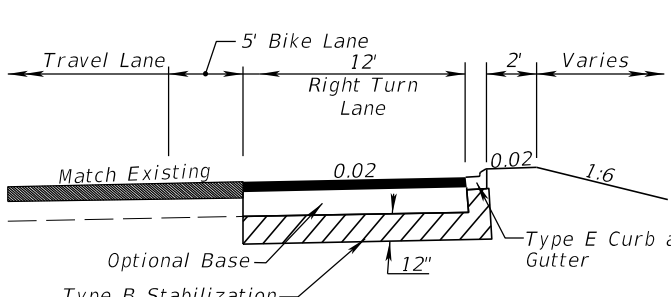
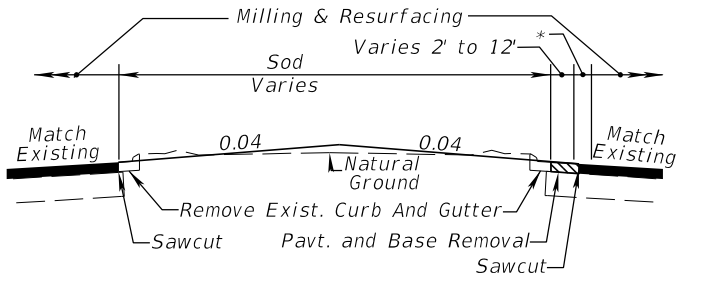
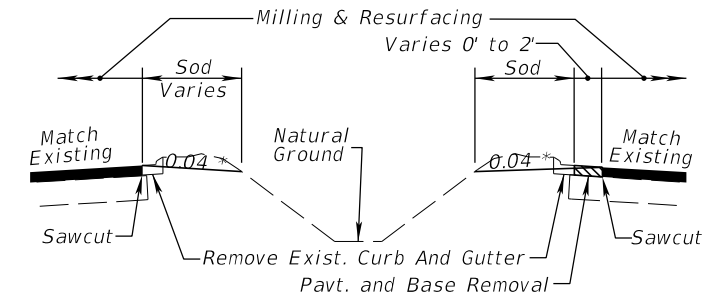
Widening & New Shoulder Pavement
Optional Base Group 6
Type SP Structural Course
(Traffic B) (1 1/2") (PG 76-22)
Friction Course FC-9.5
(Traffic B) (1 1/4") (PG 76-22)

Existing Turn Lanes And Median Openings
Mill Existing Asphalt Pavement
(1 1/4" Depth)
Friction Course FC-9.5
(Traffic B) (1 1/4") (PG 76-22)

Existing Travel Lanes And Bike Lanes/shoulder
Mill Existing Asphalt Pavement
(1" Depth)
Friction Course FC-5
(1") (PG 76-22)

Milling & Overbuild Right Turn Lane Only
Sta. 509+99.17 To Sta. 510+71.07
Mill Existing Asphalt Pavement
(2 3/4" Depth)
Type SP Structural Course
(Traffic B) (1 1/2") (PG 76-22)
Friction Course FC-9.5
(Traffic B) (1 1/4") (PG 76-22)

OVERBUILD DETAILS						
LOCATION		EXIST SLOPE (%)	PROPOSED SLOPE (%)	MAX DEPTH OF OVERBUILD (IN.)	WIDTH OF OVERBUILD (FT)	AREA OF OVERBUILD (SQ FT.)
STATION	LANE					
509+99.17	RT TURN LANE	-1.60%	-1.60%	0	12	0.73
510+35.00	RT TURN LANE	-0.21%	0.25%	1.25	12	1.25
510+71.07	RT TURN LANE	2.50%	2%	0	12	0.00
						1.98 TONS



REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

ENGINEER OF RECORD
RICKY E. BRANTON, P.E.
LICENSE NUMBER 57043
MOTT MACDONALD FLORIDA, LLC.
1232 JACKSON AVENUE
CHIPLEY, FLORIDA 32428

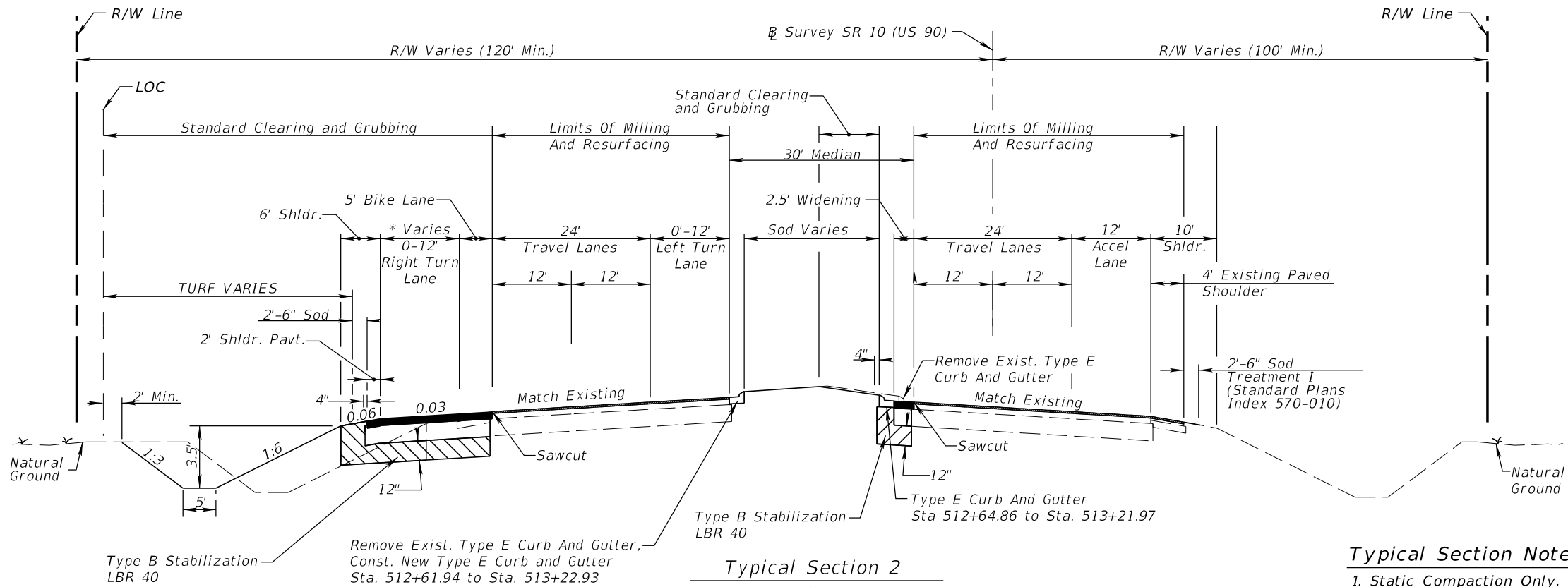
STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION		
ROAD NO.	COUNTY	FINANCIAL PROJECT ID
SR 10	GADSDEN	449500-1-52-01

TYPICAL SECTIONS	

SHEET NO.
4

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NOTE: DEPTH AND BOTTOM WIDTH OF DITCH MAY VARY.

Traffic Data

CURRENT YEAR = 2020 AADT = 20500
ESTIMATED OPENING YEAR = 2023 AADT = 22350
ESTIMATED DESIGN YEAR = 2043 AADT = 25700
K = 9 % D = 56.7% T = 6.9% (24 HOUR)
DESIGN HOUR T = 3.08%
TARGET SPEED = 55 MPH
DESIGN SPEED = 55 MPH
POSTED SPEED = 55 MPH
CONTEXT CLASSIFICATION = C3C
CLEAR ZONE = 30'

Widening & New Shoulder Pavement

Optional Base Group 6
Type SP Structural Course (Traffic B) (1 1/2") (PG 76-22)
Friction Course FC-9.5 (Traffic B) (1 1/4") (PG 76-22)

Existing Turn Lanes And Median Openings

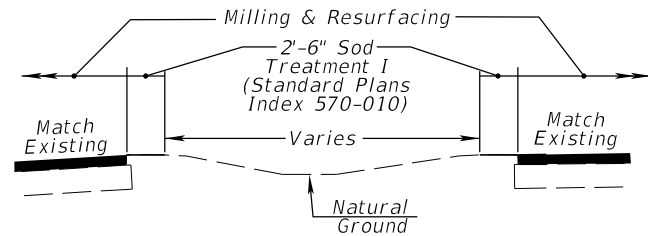
Mill Existing Asphalt Pavement (1 1/4" Depth)
Friction Course FC-9.5 (Traffic B) (1 1/4") (PG 76-22)

New Bike Lane

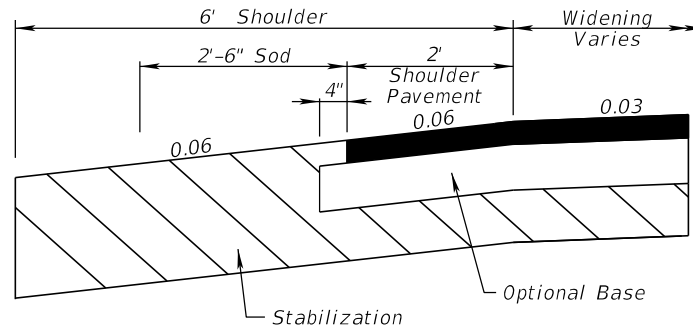
Optional Base Group 6
Type SP Structural Course (Traffic B) (2") (PG 76-22)
Friction Course FC-5 (1") (PG 76-22)

Existing Travel Lanes, Acceleration Lane
And Bike Lanes/shoulder

Mill Existing Asphalt Pavement (1" Depth)
Friction Course FC-5 (1") (PG 76-22)



Median Detail
Sta. 513+21.97 TO Sta. 517+29.54



Outside Shoulder Pavement Detail

Typical Section Notes

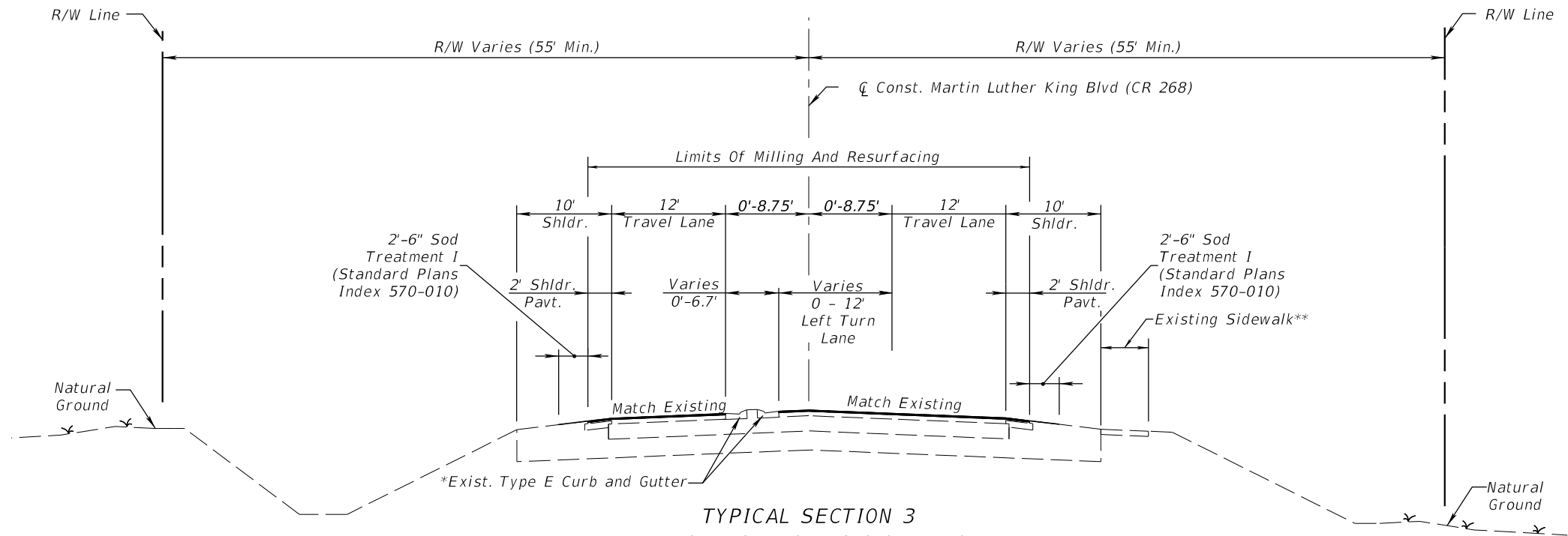
1. Static Compaction Only.
2. Inside Turn Lanes Should Be Set At An Elevation That Is Flush With Adjacent Travel Lanes And Outside Turn Lanes Should Be Set At An Elevation That Is 0.25" Lower Than The Adjacent Travel Lane To Help Facilitate Drainage Of The FC-5.

REVISIONS				ENGINEER OF RECORD		STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION			SHEET NO.
DATE	DESCRIPTION	DATE	DESCRIPTION	RICKY E. BRANTON, P.E. LICENSE NUMBER 57043 MOTT MACDONALD FLORIDA, LLC. 1232 JACKSON AVENUE CHIPLEY, FLORIDA 32428		ROAD NO.	COUNTY	FINANCIAL PROJECT ID	
						SR 10	GADSDEN	449500-1-52-01	

TYPICAL SECTIONS

5

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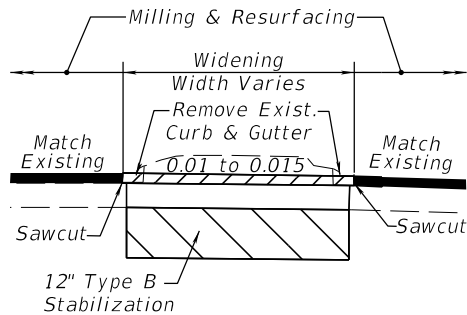


* EXIST. TYPE E CURB AND GUTTER AND GRASS MEDIAN TO REMAIN FROM STA. 1584+66.00 TO STA. 1585+11.85. REMOVE EXIST. TYPE E CURB AND GUTTER AND CONST. NEW TYPE E CURB & GUTTER FROM STA. 1585+11.85 TO STA. 1585+40.35

TYPICAL SECTION 3
Martin Luther King Blvd. (CR 268)
Sta. 583+95.19 To Sta. 584+32.37
Sta. 584+32.37 @ Survey MLK Blvd (CR 268) =
Sta. 1584+32.37 @ Const. MLK Blvd (CR 268)
Sta. 1584+32.37 To Sta. 1585+56.74

** CONST. NEW SIDEWALK FROM STA. 584+31.84 TO STA. 1585+56.74

TRAFFIC DATA
CURRENT YEAR = 2021 AADT = 5900
ESTIMATED OPENING YEAR = 2023 AADT = 6450
ESTIMATED DESIGN YEAR = 2043 AADT = 7450
K = 9.5% D = 56.7% T = 6.3% (24 HOUR)
DESIGN HOUR T = 3.15%
TARGET SPEED = 35 MPH
DESIGN SPEED = 35 MPH
POSTED SPEED = 35 MPH
CONTEXT CLASSIFICATION = N/A
CLEAR ZONE = 6'



WIDENING DETAIL
Sta. 1585+40.35 TO Sta. 1585+62.01

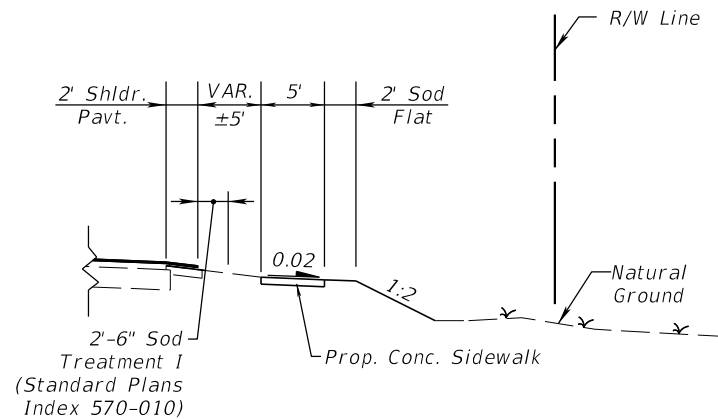
TYPICAL SECTION NOTES

1. STATIC COMPACTION ONLY.

MILLING
MILL EXISTING ASPHALT PAVEMENT (1 1/4" DEPTH)

RESURFACING
FRICTION COURSE FC-9.5 (TRAFFIC B) (1 1/4") (PG 76-22)

WIDENING
OPTIONAL BASE GROUP 6
TYPE SP STRUCTURAL COURSE (TRAFFIC B) (1 1/2") (PG 76-22)
FRICTION COURSE FC-9.5 (TRAFFIC B) (1 1/4") (PG 76-22)



PROPOSED SIDEWALK DETAIL
STA. 584+35.33 TO STA. 1585+56.10

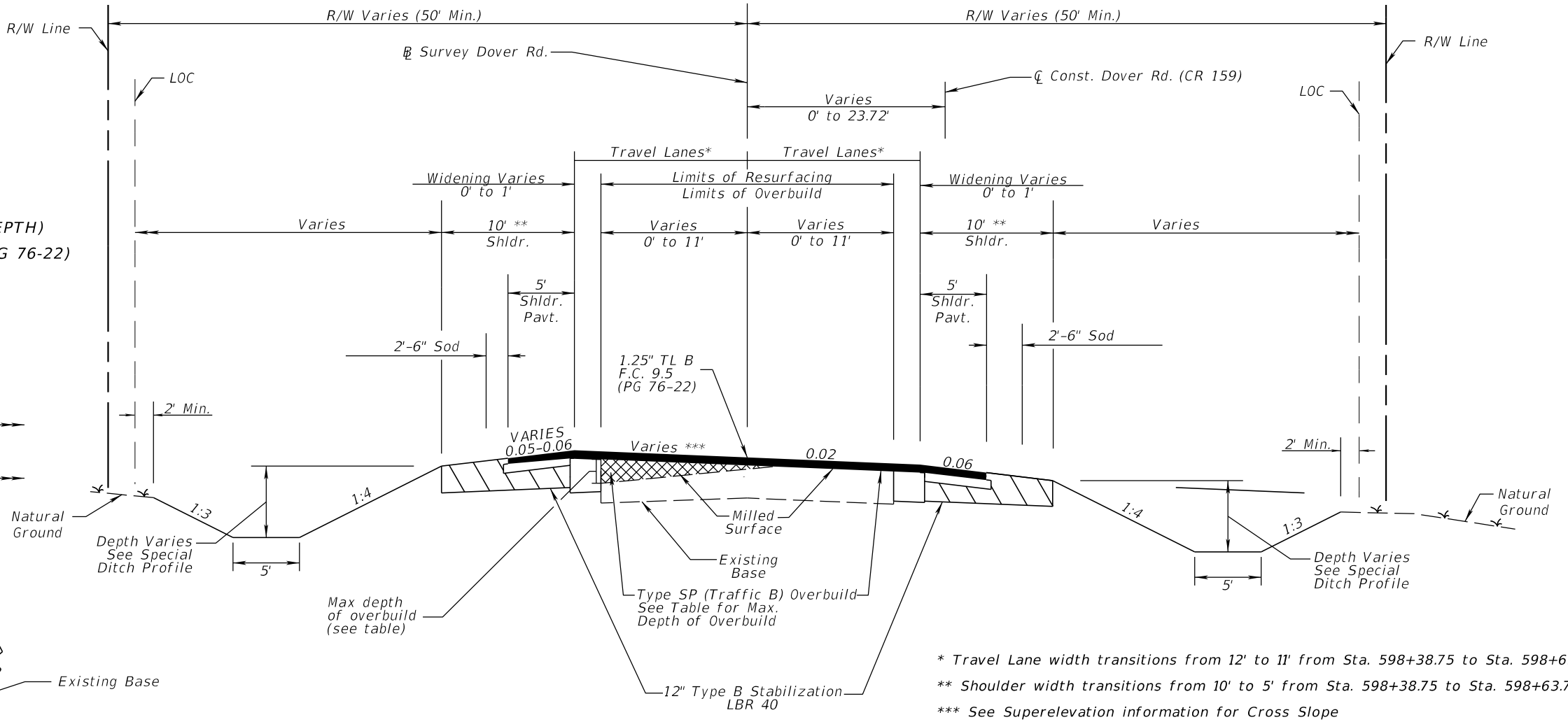
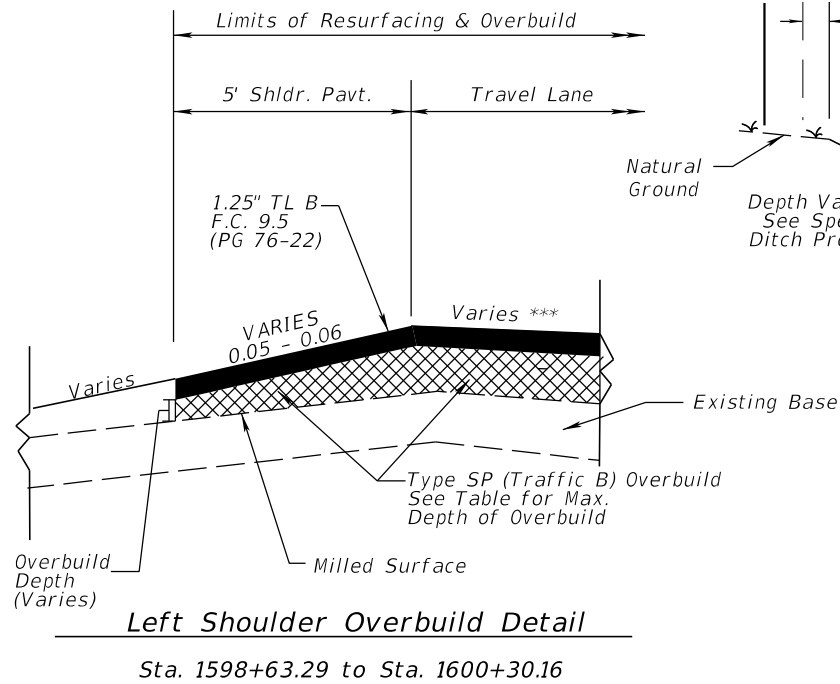
REVISIONS				ENGINEER OF RECORD		STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION			SHEET NO.
DATE	DESCRIPTION	DATE	DESCRIPTION	RICKY E. BRANTON, P.E. LICENSE NUMBER 57043 MOTT MACDONALD FLORIDA, LLC. 1232 JACKSON AVENUE CHIPLEY, FLORIDA 32428		ROAD NO.	COUNTY	FINANCIAL PROJECT ID	
						SR 10	GADSDEN	449500-1-52-01	

TYPICAL SECTIONS

6

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SECTION NOTE
Sta. 598+63.75 to Sta. 598+98.75
MILL EXISTING ASPHALT PAVEMENT (1 1/4" DEPTH)
FRICTION COURSE FC-9.5 (TRAFFIC B) (1 1/4") (PG 76-22)



* Travel Lane width transitions from 12' to 11' from Sta. 598+38.75 to Sta. 598+63.75
** Shoulder width transitions from 10' to 5' from Sta. 598+38.75 to Sta. 598+63.75
*** See Superelevation information for Cross Slope

TYPICAL SECTION NOTES

1. STATIC COMPACTION ONLY.

MILLING

MILL EXISTING ASPHALT PAVEMENT (1 1/4" DEPTH)

RESURFACING

FRICTION COURSE FC-9.5 (TRAFFIC B) (1 1/4") (PG 76-22)

WIDENING

OPTIONAL BASE GROUP 11 (GAB ONLY) WITHOUT STABILIZATION
TYPE SP STRUCTURAL COURSE (TRAFFIC B) (1 1/2") (PG 76-22)
FRICTION COURSE FC-9.5 (TRAFFIC B) (1 1/4") (PG 76-22)

SHOULDER PAVEMENT

OPTIONAL BASE GROUP 1 (GAB ONLY) WITH STABILIZATION
TYPE SP STRUCTURAL COURSE (TRAFFIC B) (1 1/2") (PG 76-22)
FRICTION COURSE FC-9.5 (TRAFFIC B) (1 1/4") (PG 76-22)

LOCATION		OVERBUILD DETAILS				
STATION	LANE	EXIST SLOPE (%)	PROPOSED SLOPE (%)	MAX DEPTH OF OVERBUILD (IN.)	WIDTH OF OVERBUILD (FT)	AREA OF OVERBUILD (SQ FT.)
1598+63.29	NORTHBOUND	N/A	6% SHLDR.	0	0	0
1599+00.00	NORTHBOUND	-3.50%	RC LANE, 6% SHLDR.	6.12	9.22	4.70
1599+50.00	SB & NB	-3.55%	RC LANE, 6% SHLDR.	3.00	18.79	4.70
1600+00.00	SOUTHBOUND	3.61%	RC LANE, 6% SHLDR.	4.32	8.59	3.09
1600+50.00	SOUTHBOUND	3.91%	RC LANE	6.12	9.21	4.70
EQUATION: STA. 1600+73.41 BK= STA. 598+04.52 AH						
598+31.11	SOUTHBOUND	4.17%	1.39%	2.52	8.18	1.72
598+63.75	SB & NB	4.17%	4.17%	0	0	0
						43.23 TONS

NOTE: NEGATIVE SLOPE DENOTES EXISTING NB LANE; POSITIVE SLOPE DENOTES EXISTING SB LANE.

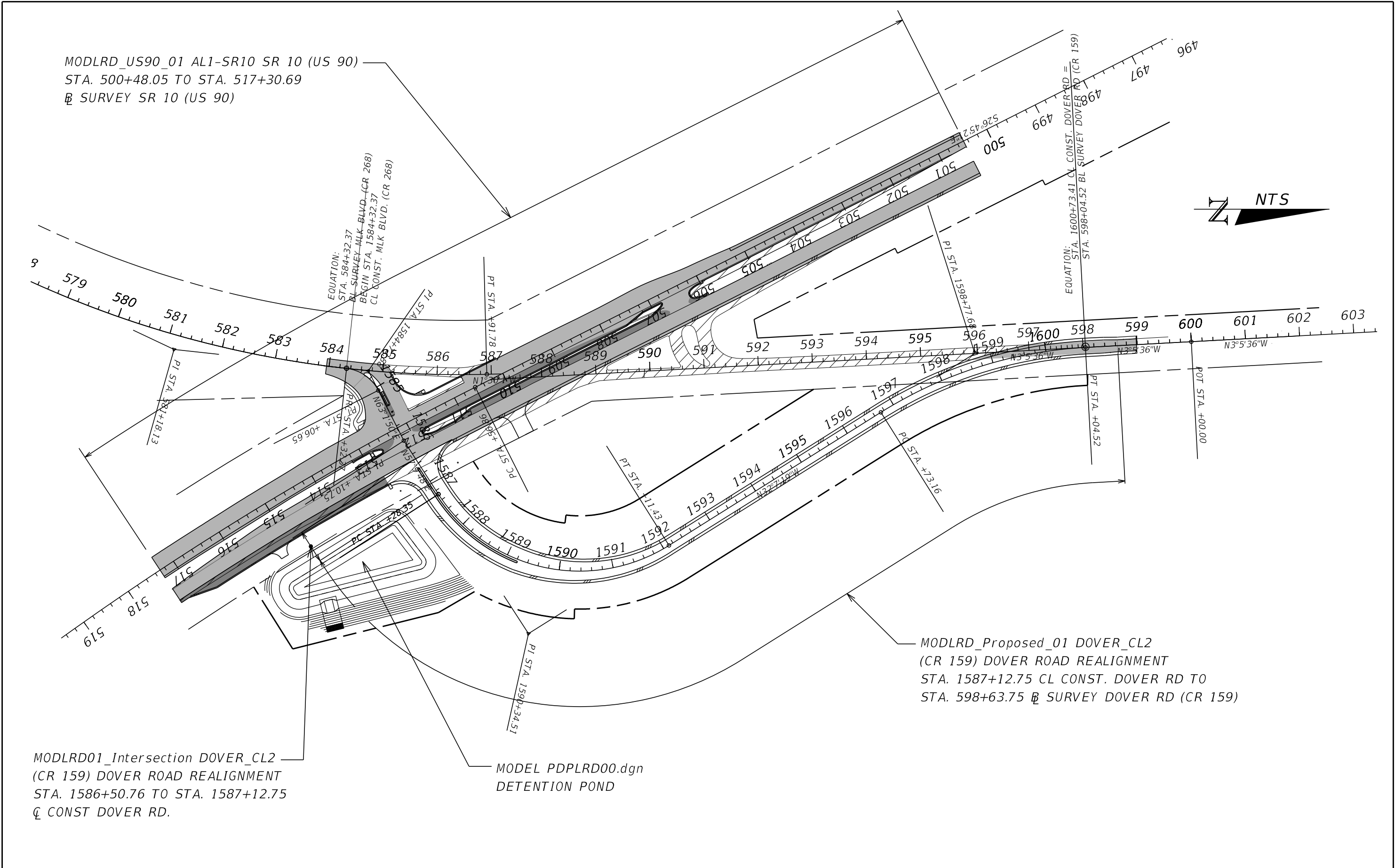
REVISIONS				ENGINEER OF RECORD			STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION			SHEET NO.
DATE	DESCRIPTION	DATE	DESCRIPTION	RICKY E. BRANTON, P.E. LICENSE NUMBER 57043 MOTT MACDONALD FLORIDA, LLC. 1232 JACKSON AVENUE CHIPLEY, FLORIDA 32428			ROAD NO.	COUNTY	FINANCIAL PROJECT ID	
							SR 10	GADSDEN	449500-1-52-01	

TYPICAL SECTIONS

8

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REVISIONS				ENGINEER OF RECORD		STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION			MODEL MANAGEMENT	SHEET NO. 9
DATE	DESCRIPTION	DATE	DESCRIPTION	RICKY E. BRANTON, P.E. LICENSE NUMBER: 57043 MOTT MACDONALD FLORIDA, LLC. 1232 JACKSON AVENUE CHIPLEY, FLORIDA 32428		ROAD NO.	COUNTY	FINANCIAL PROJECT ID		
						SR 10	GADSDEN	449500-1-52-01		

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FOR PERMITTING PURPOSES ONLY

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GENERAL NOTES
=====

1. BENCHMARK ELEVATIONS SHOWN ON THE PLANS ARE NORTH AMERICAN VERTICAL DATUM OF 1988 (NAVD 88).
2. UTILITY/AGENCY OWNERS:

CONTACT	TELEPHONE NUMBER	COMPANY
DAVID POOLE	(850) 599-1479	CENTURYLINK
PAUL CHANG	(850) 891-5108	CITY OF TALLAHASSEE - GAS
ANDREW O'SHEA	(850) 574-4000	COMCAST CABLEVISION
TERRANCE ROBERTS	(850) 627-7651 X1775	TALQUIN ELEC. COOP. - ELECTRIC
KEVIN GOFF, P.E.	(850) 627-7651 X1760	TALQUIN ELEC. COOP. - WATER/SEWER
TYLER MARTIN	(865) 671-3863	TDS TELECOM
STEVEN CARTER	(704) 589-9728	WINDSTREAM
3. ALL SURVEY INFORMATION WAS OBTAINED FROM A LICENSED FLORIDA PROFESSIONAL SURVEYOR AND MAPPER AND UTILIZED AS SUPPORTING DATA IN THE PRODUCTION OF DESIGN PLANS AND FOR CONSTRUCTION ON SUBJECT PROJECT. THE PROFESSIONAL SURVEYOR AND MAPPER OF RECORD IS:
THOMAS K. MEAD, P.S.M.
P.S.M. NO.: 5624
SOUTHEASTERN SURVEYING AND MAPPING CORPORATION
1130 HIGHWAY 90
CHIPLEY, FL 32428
(850) 638-0790
CERTIFICATE OF AUTHORIZATION: LB 2108
4. THE LOCATION(S) OF THE UTILITIES SHOWN IN THE PLANS (INCLUDING THOSE DESIGNATED VV, VH, AND VVH) ARE BASED ON LIMITED INVESTIGATION TECHNIQUES AND SHOULD BE CONSIDERED APPROXIMATE ONLY. THE VERIFIED LOCATIONS/ELEVATIONS APPLY ONLY AT THE POINTS SHOWN. INTERPOLATIONS BETWEEN THESE POINTS HAVE NOT BEEN VERIFIED.
5. EXISTING UTILITIES ARE TO REMAIN IN PLACE UNLESS OTHERWISE NOTED.
6. FOR AREAS OF SIDEWALK CONSTRUCTION, FOLLOW THE PROFILE OF THE EXISTING GROUND TO SET THE FRONT OF SIDEWALK PROFILES. (SEE PLANS FOR SPOT ELEVATIONS)
7. IF FEASIBLE, AVOID IMPACTS TO ALL EXISTING MONITORING WELLS IN THE AREA. IF THIS IS NOT FEASIBLE, THEN CONTACT THE DISTRICT CONTAMINATION SECTION AT (850) 330-1524 FOUR WEEKS PRIOR TO WORKING IN THIS AREA TO MAKE ARRANGEMENTS TO HAVE THE MONITORING WELLS ABANDONED.
8. ONLY "SELECT" MATERIALS WITH LESS THAN 20 PERCENT FINES MAY BE USED FOR EMBANKMENT CONSTRUCTION.
9. GROUNDWATER SHOULD BE ANTICIPATED DURING CONSTRUCTION. APPROPRIATE DEWATERING AND SURFACE WATER CONTROL MEASURES MUST BE USED.
10. THE SITE IS LOCATED WITHIN A KARST SENSITIVE AREA, AS DEFINED BY THE NORTHWEST FLORIDA WATER MANAGEMENT DISTRICT, AND THE FORMATION OF A SINKHOLE DURING CONSTRUCTION IS POSSIBLE. UPON NOTICING THAT A SUDDEN UNANTICIPATED SETTLEMENT OF GROUND SURFACE HAS OCCURRED, THE FOLLOWING ACTIONS MUST BE IMMEDIATELY UNDERTAKEN:

1. STOP ALL CONSTRUCTION ACTIVITIES WITHIN 50 FEET FROM THE EDGE OF THE DEPRESSION AND NOTIFY THE ENGINEER; AND

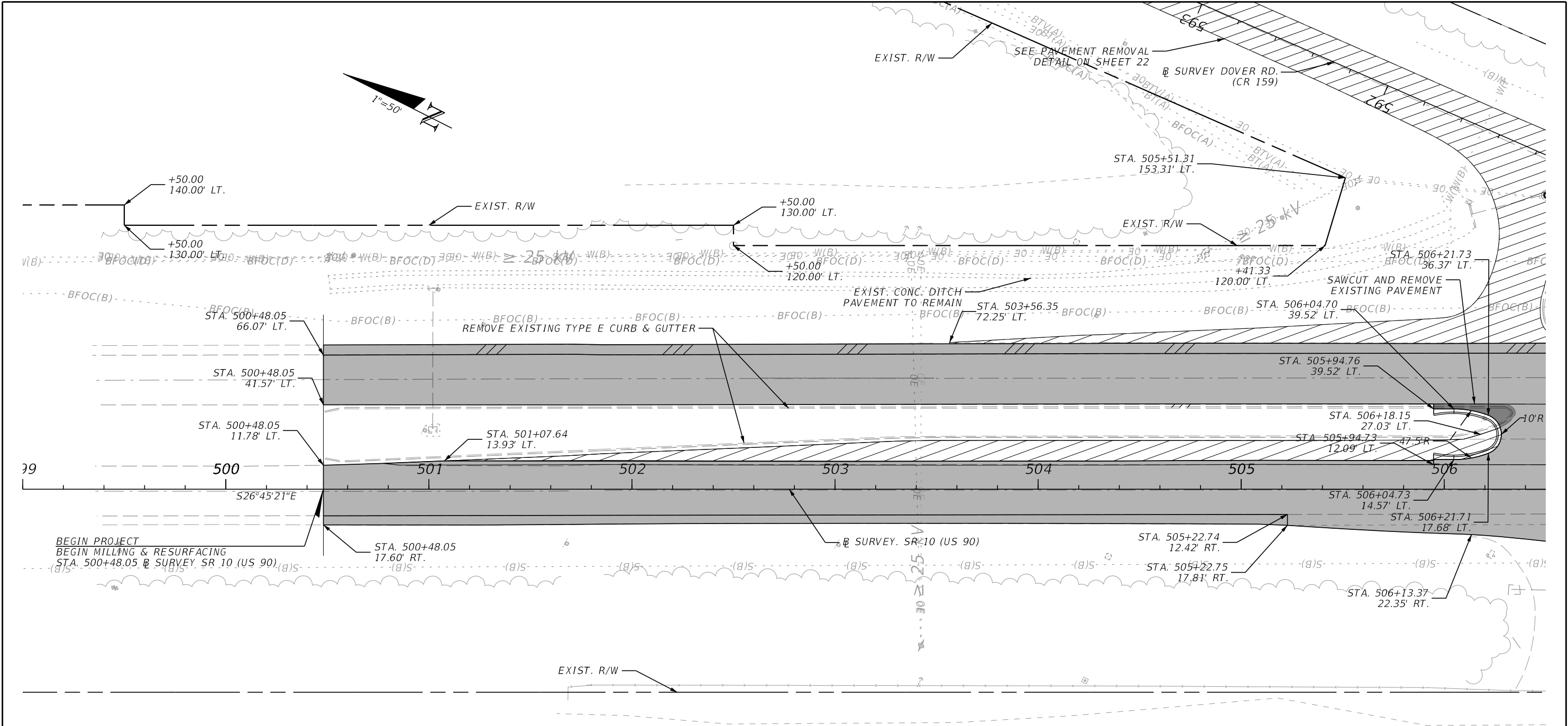
2. SECURE THE AREA USING FLAGGING TAPE OR OTHER VISIBLE MEANS TO ALERT OTHERS THAT THIS IS A RESTRICTED AREA; AND

3. NOTIFY THE ENGINEER IN WRITING OF THE POSSIBLE FORMATION OF A SINKHOLE AND PROVIDE THE ENGINEER DETAILED FIELD INFORMATION OF THE FORMATION IF REQUESTED BY THE DISTRICT'S ENVIRONMENTAL MANAGEMENT OFFICE OR NORTHWEST FLORIDA WATER MANAGEMENT DISTRICT PERSONNEL FOR REVIEW.

REVISIONS				ENGINEER OF RECORD	STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION			SHEET NO.
DATE	DESCRIPTION	DATE	DESCRIPTION	RICKY E. BRANTON, P.E. LICENSE NUMBER: 57043 MOTT MACDONALD FLORIDA, LLC. 1232 JACKSON AVENUE CHIPLEY, FLORIDA 32428	ROAD NO.	COUNTY	FINANCIAL PROJECT ID	GENERAL NOTES 12
					SR 10	GADSDEN	449500-1-52-01	

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LIMITS OF MILLING AND RESURFACING

LIMITS OF WIDENING

LIMITS OF PAVEMENT REMOVAL

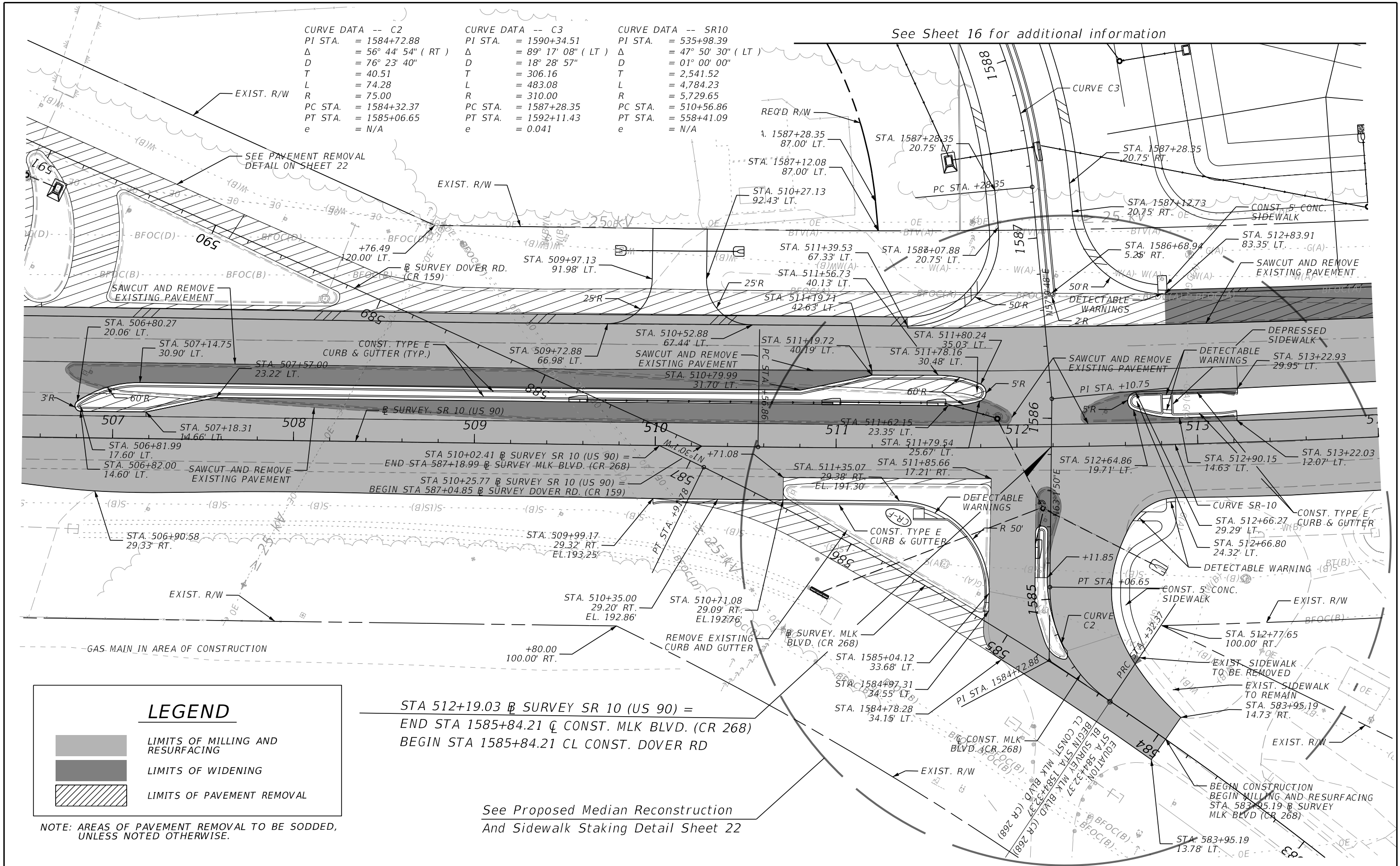
LEGEND

NOTE: AREAS OF PAVEMENT REMOVAL TO BE SODDED, UNLESS NOTED OTHERWISE.

REVISIONS				ENGINEER OF RECORD		STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION			ROADWAY PLAN	SHEET NO. 13
DATE	DESCRIPTION	DATE	DESCRIPTION	RICKY E. BRANTON, P.E. LICENSE NUMBER: 57043 MOTT MACDONALD FLORIDA, LLC. 1232 JACKSON AVENUE CHIPLEY, FLORIDA 32428		ROAD NO.	COUNTY	FINANCIAL PROJECT ID		
						SR 10	GADSDEN	449500-1-52-01		

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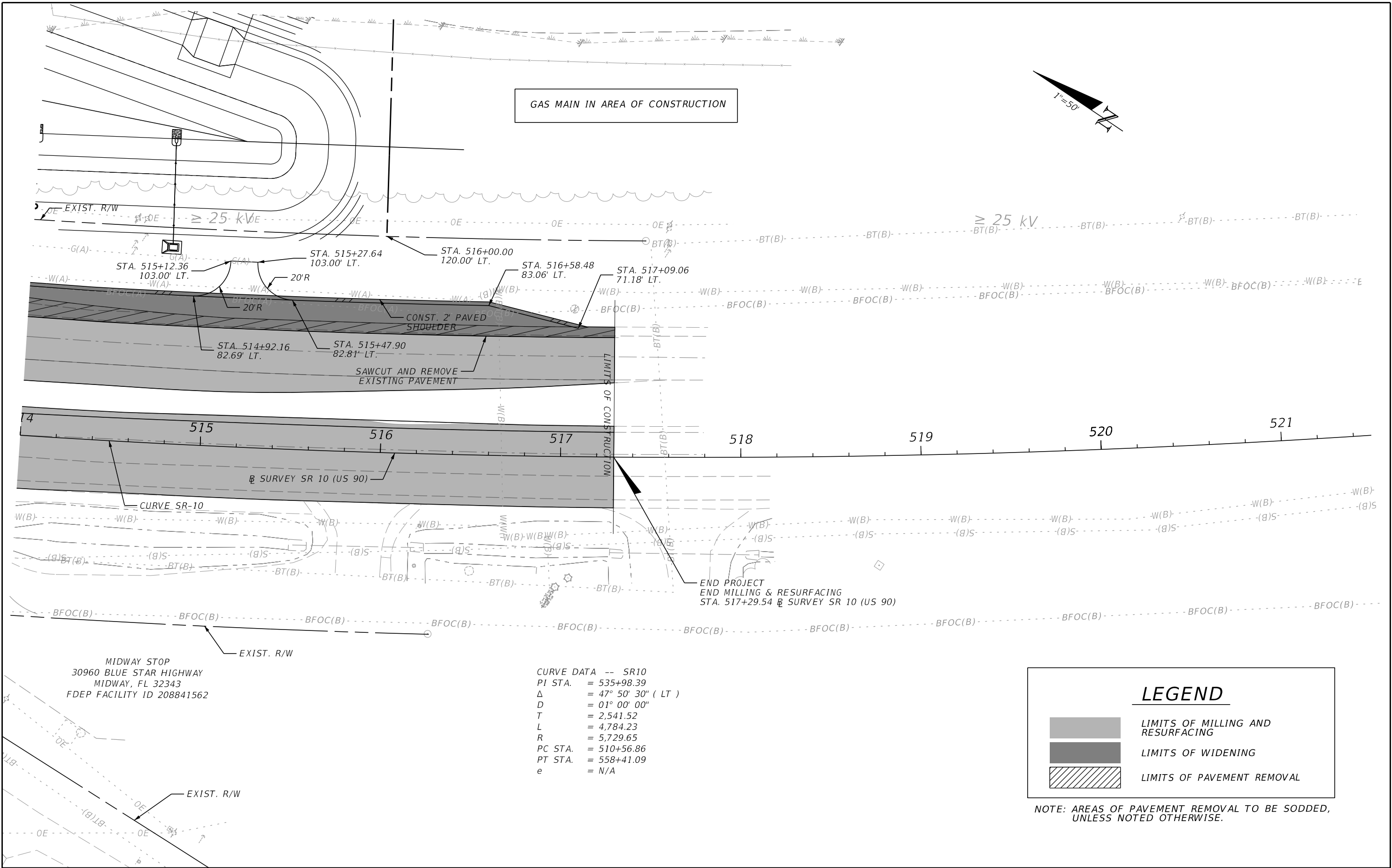


REVISIONS				ENGINEER OF RECORD	STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION			SHEET NO.
DATE	DESCRIPTION	DATE	DESCRIPTION		ROAD NO.	COUNTY	FINANCIAL PROJECT ID	
					SR 10	GADSDEN	449500-1-52-01	

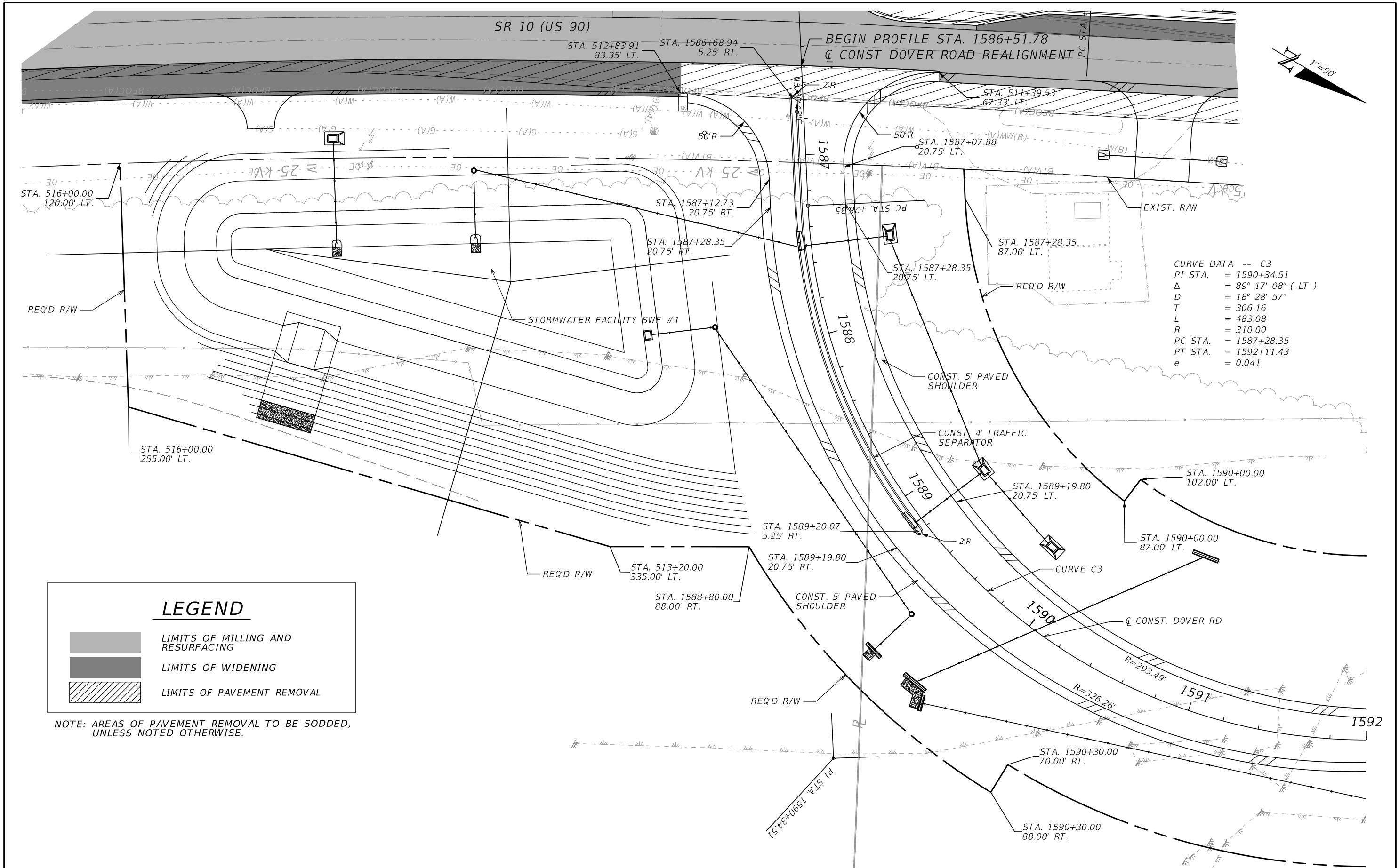
ROADWAY PLAN

FOR PERMITTING PURPOSES ONLY

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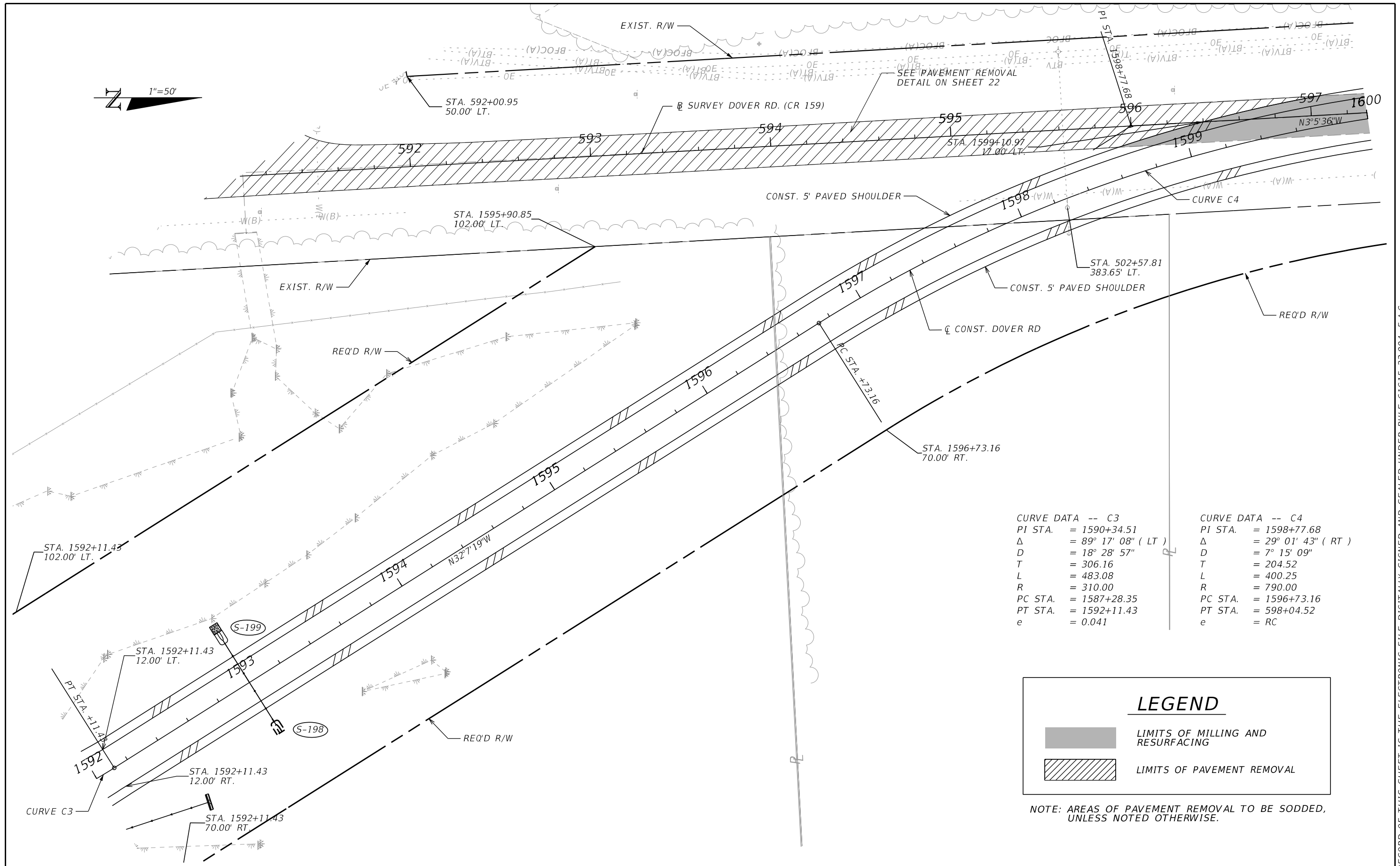
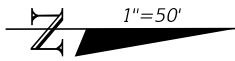
REVISIONS				ENGINEER OF RECORD	STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION			ROADWAY PLAN	SHEET NO. 15
DATE	DESCRIPTION	DATE	DESCRIPTION		ROAD NO.	COUNTY	FINANCIAL PROJECT ID		
				RICKY E. BRANTON, P.E. LICENSE NUMBER: 57043 MOTT MACDONALD FLORIDA, LLC. 1232 JACKSON AVENUE CHIPLEY, FLORIDA 32428	SR 10	GADSDEN	449500-1-52-01		



REVISIONS				ENGINEER OF RECORD		STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION			ROADWAY PLAN	SHEET NO. 16
DATE	DESCRIPTION	DATE	DESCRIPTION	RICKY E. BRANTON, P.E. LICENSE NUMBER: 57043 MOTT MACDONALD FLORIDA, LLC. 1232 JACKSON AVENUE CHIPLEY, FLORIDA 32428		ROAD NO.	COUNTY	FINANCIAL PROJECT ID		
						SR 10	GADSDEN	449500-1-52-01		

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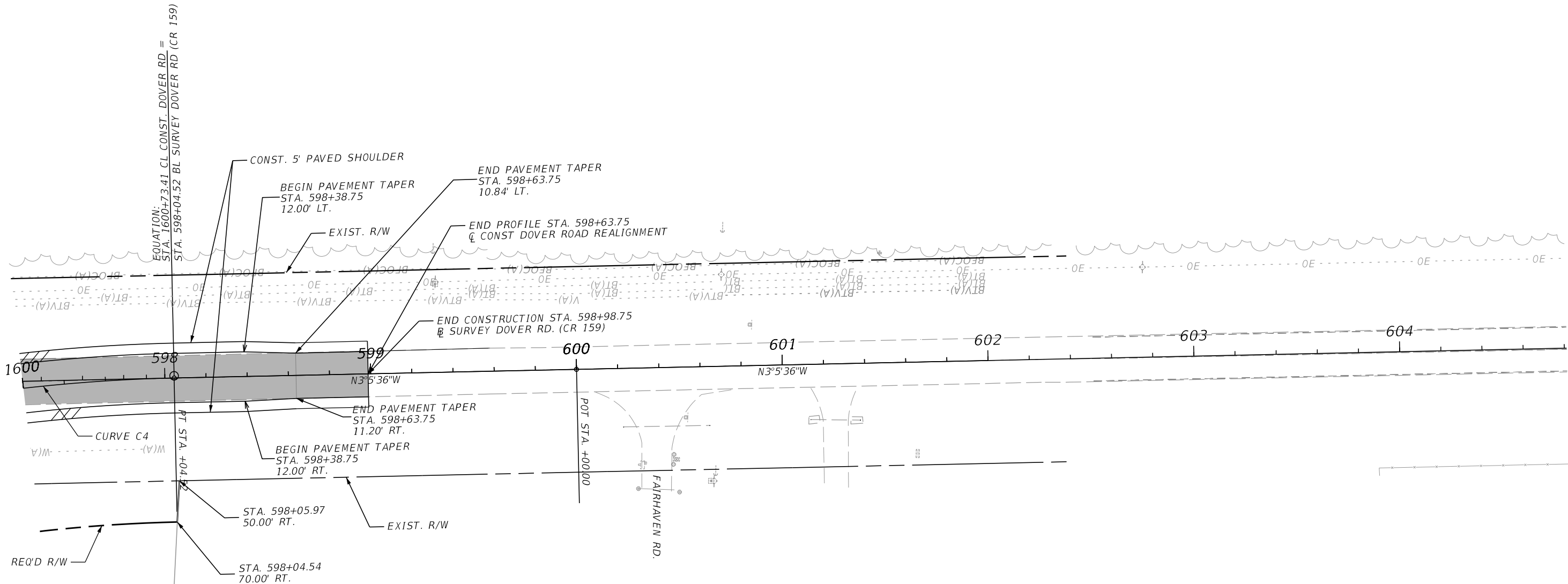
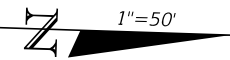
LIMITS OF MILLING AND RESURFACING

LIMITS OF PAVEMENT REMOVAL

LEGEND

NOTE: AREAS OF PAVEMENT REMOVAL TO BE SODDED, UNLESS NOTED OTHERWISE.

REVISIONS				ENGINEER OF RECORD			STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION			ROADWAY PLAN	SHEET NO. 17
DATE	DESCRIPTION	DATE	DESCRIPTION	RICKY E. BRANTON, P.E. LICENSE NUMBER: 57043 MOTT MACDONALD FLORIDA, LLC. 1232 JACKSON AVENUE CHIPLEY, FLORIDA 32428			ROAD NO.	COUNTY	FINANCIAL PROJECT ID		
							SR 10	GADSDEN	449500-1-52-01		

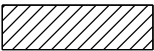


CURVE DATA -- C4
PI STA. = 1598+77.68
 Δ = 29° 01' 43" (RT)
D = 7° 15' 09"
T = 204.52
L = 400.25
R = 790.00
PC STA. = 1596+73.16
PT STA. = 598+04.52
e = RC

LEGEND



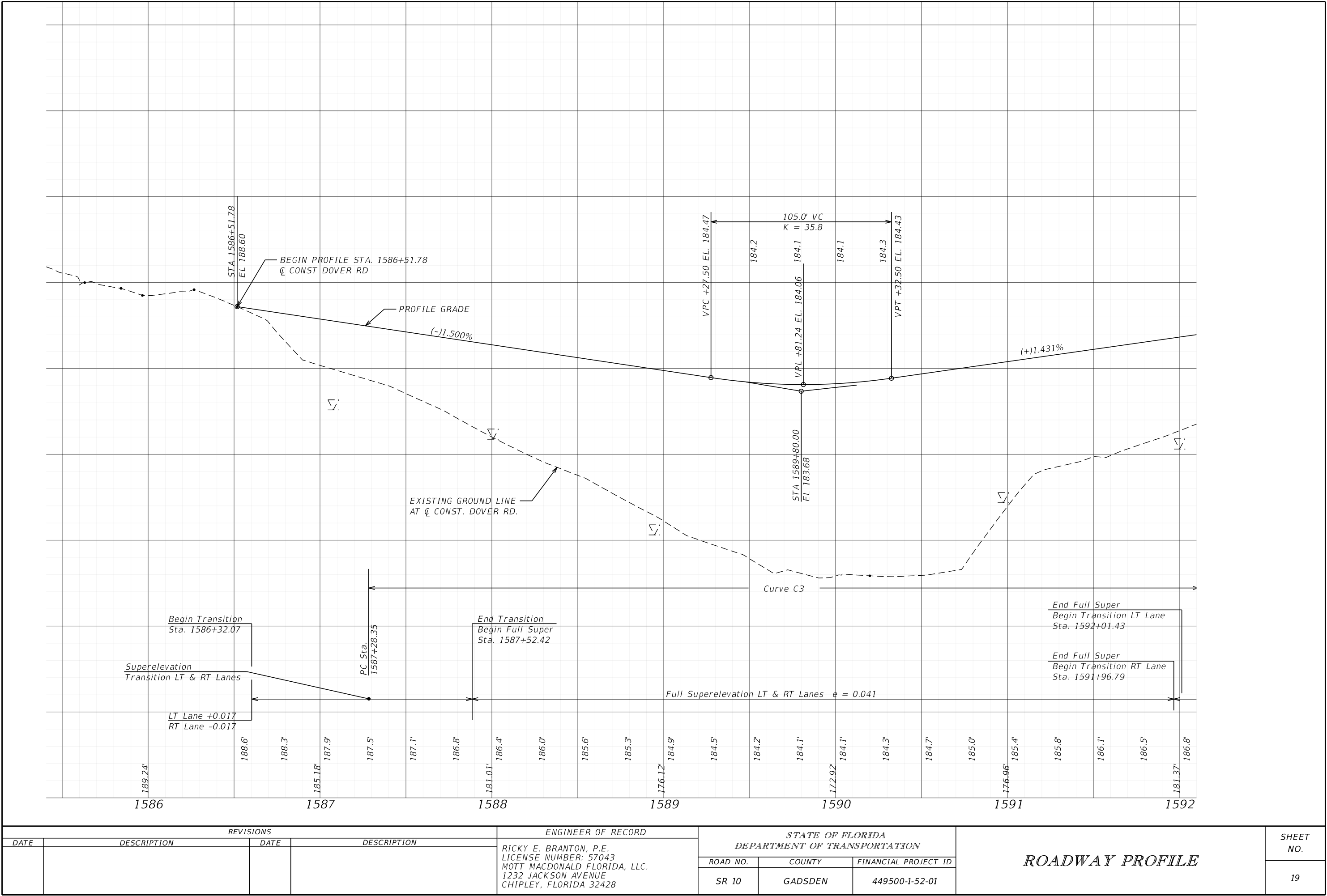
LIMITS OF MILLING AND
RESURFACING



LIMITS OF PAVEMENT REMOVAL

NOTE: AREAS OF PAVEMENT REMOVAL TO BE SODDED,
UNLESS NOTED OTHERWISE.

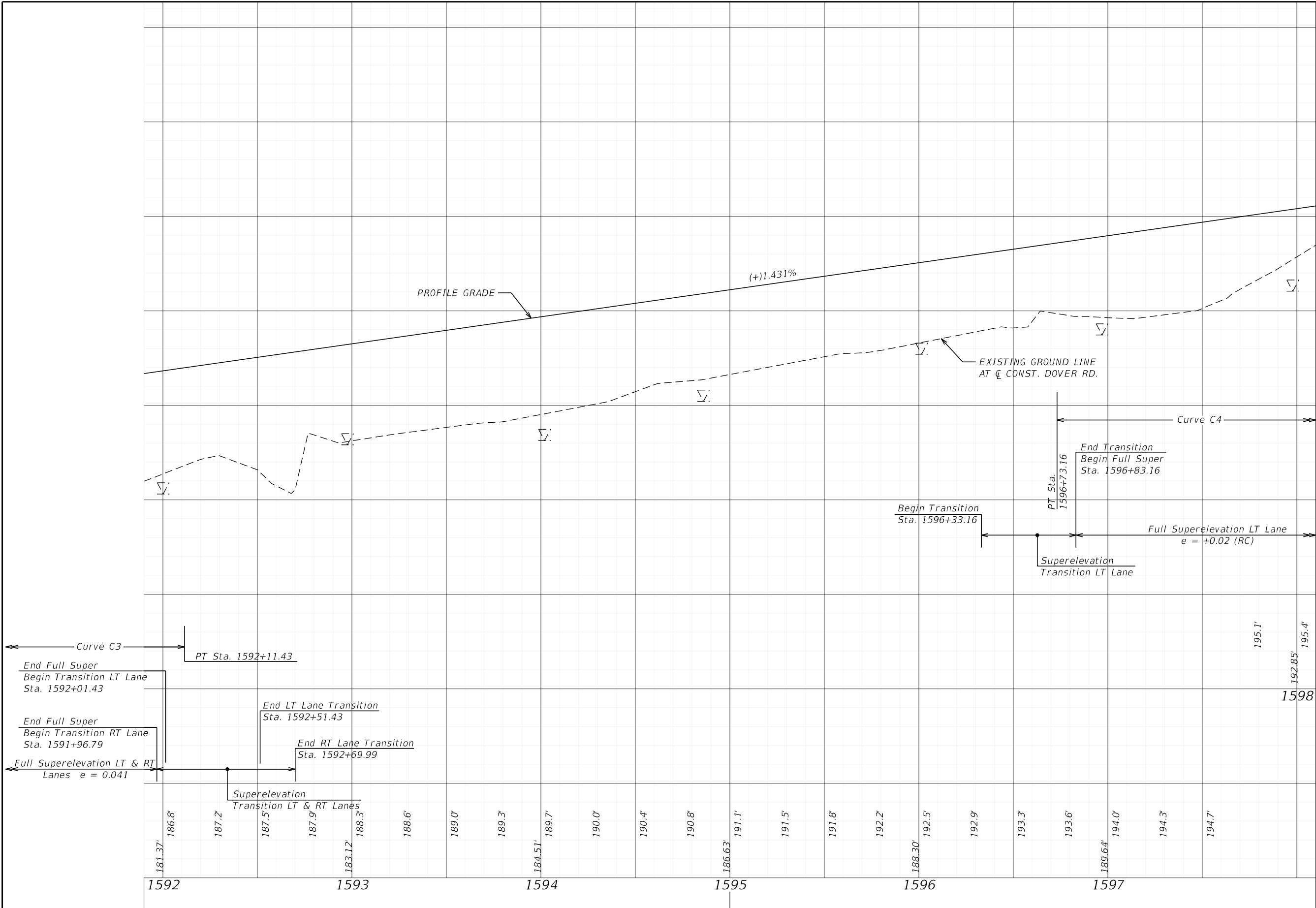
REVISIONS				ENGINEER OF RECORD	STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION			ROADWAY PLAN	SHEET NO.
DATE	DESCRIPTION	DATE	DESCRIPTION	RICKY E. BRANTON, P.E. LICENSE NUMBER: 57043 MOTT MACDONALD FLORIDA, LLC. 1232 JACKSON AVENUE CHIPLEY, FLORIDA 32428	ROAD NO.	COUNTY	FINANCIAL PROJECT ID		18
					SR 10	GADSDEN	449500-1-52-01		



REVISIONS				ENGINEER OF RECORD			STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION			ROADWAY PROFILE	SHEET NO. 19
DATE	DESCRIPTION	DATE	DESCRIPTION	RICKY E. BRANTON, P.E. LICENSE NUMBER: 57043 MOTT MACDONALD FLORIDA, LLC. 1232 JACKSON AVENUE CHIPLEY, FLORIDA 32428			ROAD NO.	COUNTY	FINANCIAL PROJECT ID		
							SR 10	GADSDEN	449500-1-52-01		

FOR PERMITTING PURPOSES ONLY

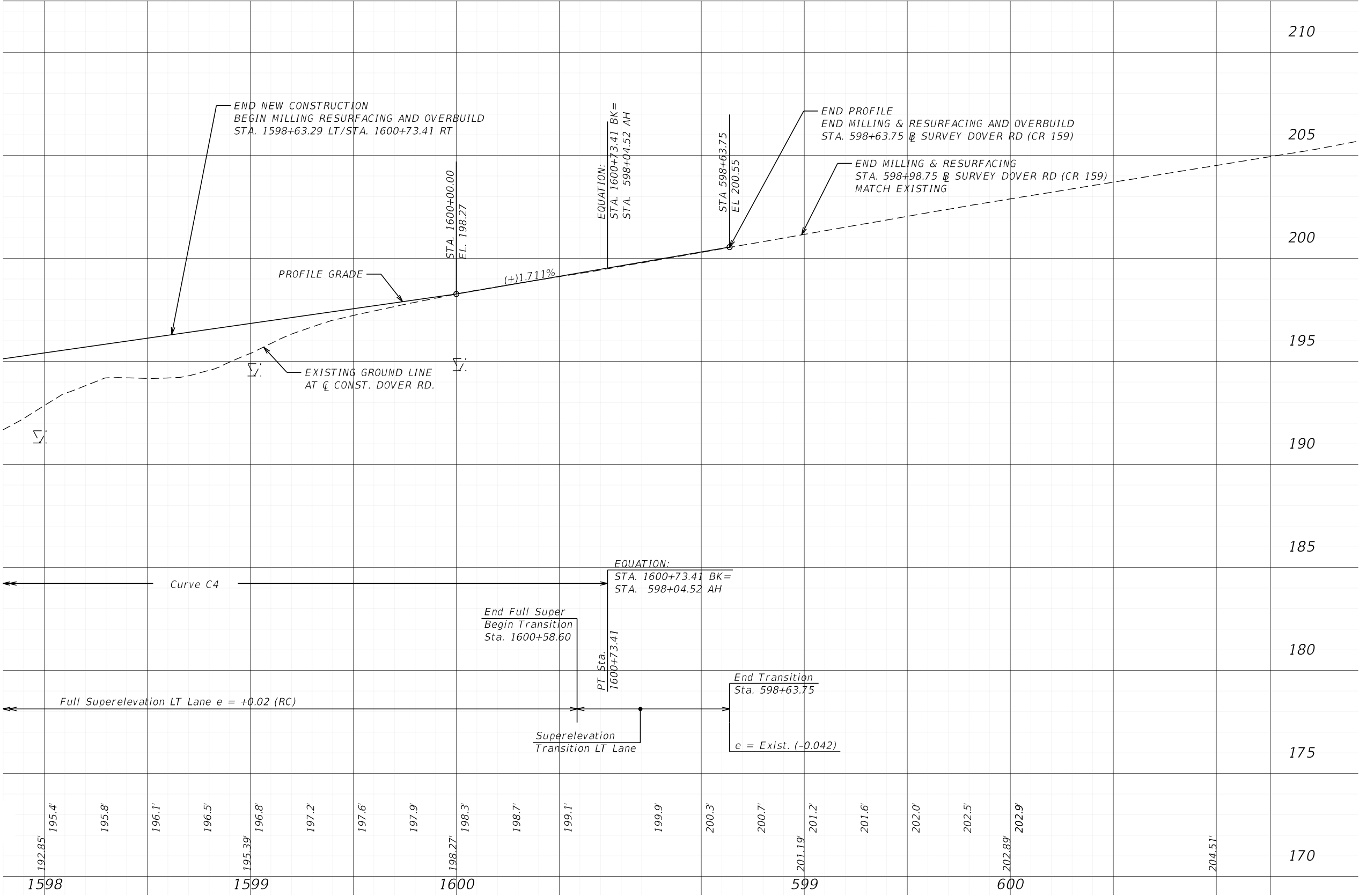
THE OFFICIAL RECORD OF THIS SHEET IS THE ELECTRONIC FILE DIGITALLY SIGNED AND SEALED UNDER RULE 61G15-23.004, F.A.C.



REVISIONS				ENGINEER OF RECORD		STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION			ROADWAY PROFILE	SHEET NO.	
DATE	DESCRIPTION	DATE	DESCRIPTION	RICKY E. BRANTON, P.E. LICENSE NUMBER: 57043 MOTT MACDONALD FLORIDA, LLC. 1232 JACKSON AVENUE CHIPLEY, FLORIDA 32428		ROAD NO.	COUNTY	FINANCIAL PROJECT ID		20	
						SR 10	GADSDEN	449500-1-52-01			

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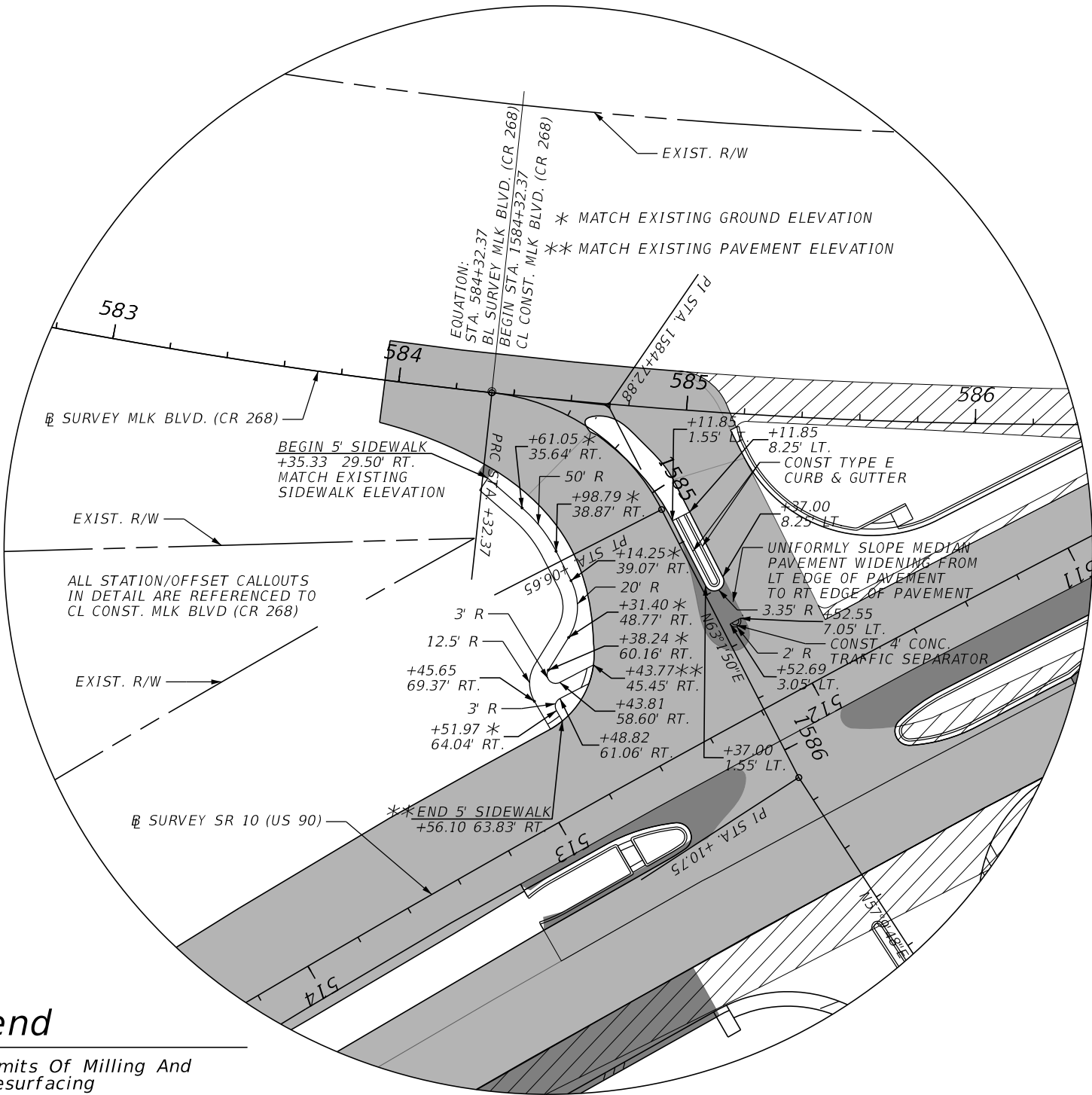
THE OFFICIAL RECORD OF THIS SHEET IS THE ELECTRONIC FILE DIGITALLY SIGNED AND SEALED UNDER RULE 61G15-23.004, F.A.C.



REVISIONS				ENGINEER OF RECORD		STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION			ROADWAY PROFILE	SHEET NO. 21
DATE	DESCRIPTION	DATE	DESCRIPTION	RICKY E. BRANTON, P.E. LICENSE NUMBER: 57043 MOTT MACDONALD FLORIDA, LLC. 1232 JACKSON AVENUE CHIPLEY, FLORIDA 32428		ROAD NO.	COUNTY	FINANCIAL PROJECT ID		
						SR 10	GADSDEN	449500-1-52-01		

THE OFFICIAL RECORD OF THIS SHEET IS THE ELECTRONIC FILE DIGITALLY SIGNED AND SEALED UNDER RULE 61G15-23.004, F.A.C.

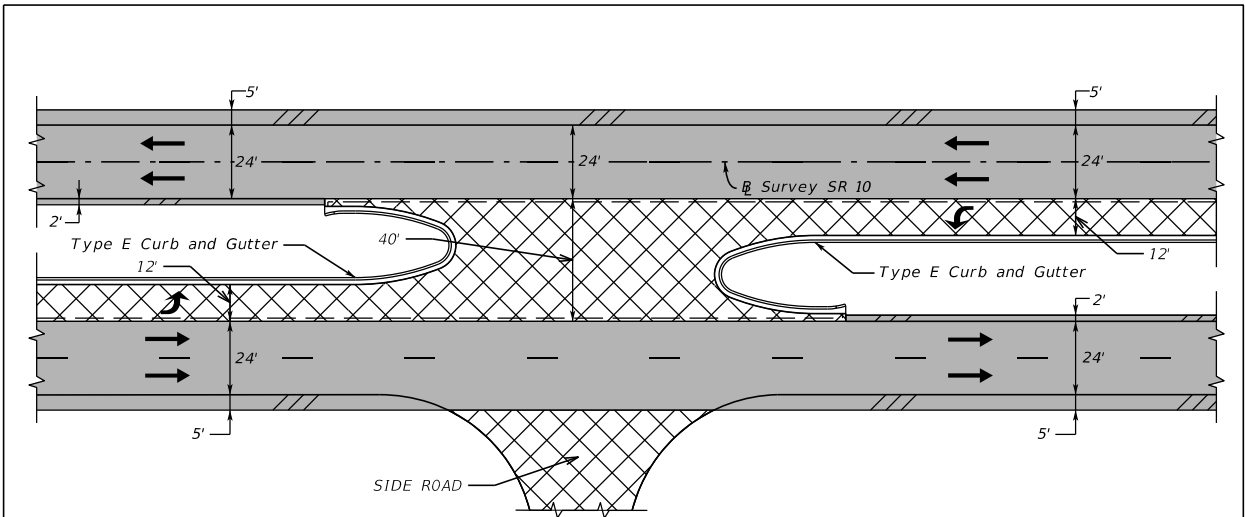
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Legend

- Limits Of Milling And Resurfacing
- Limits Of Widening
- Limits Of Pavement Removal

Proposed Median Reconstruction
And Sidewalk Staking Detail

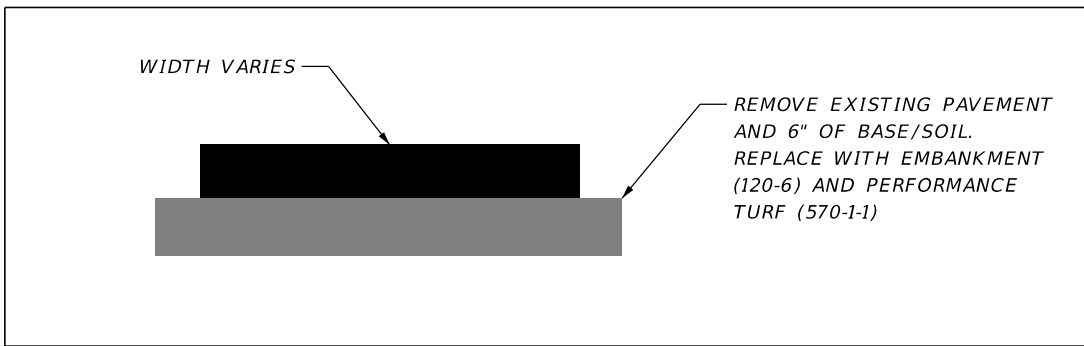


Rural Full Median Openings & Side Roads
Friction Course Limits (general)

Not To Scale

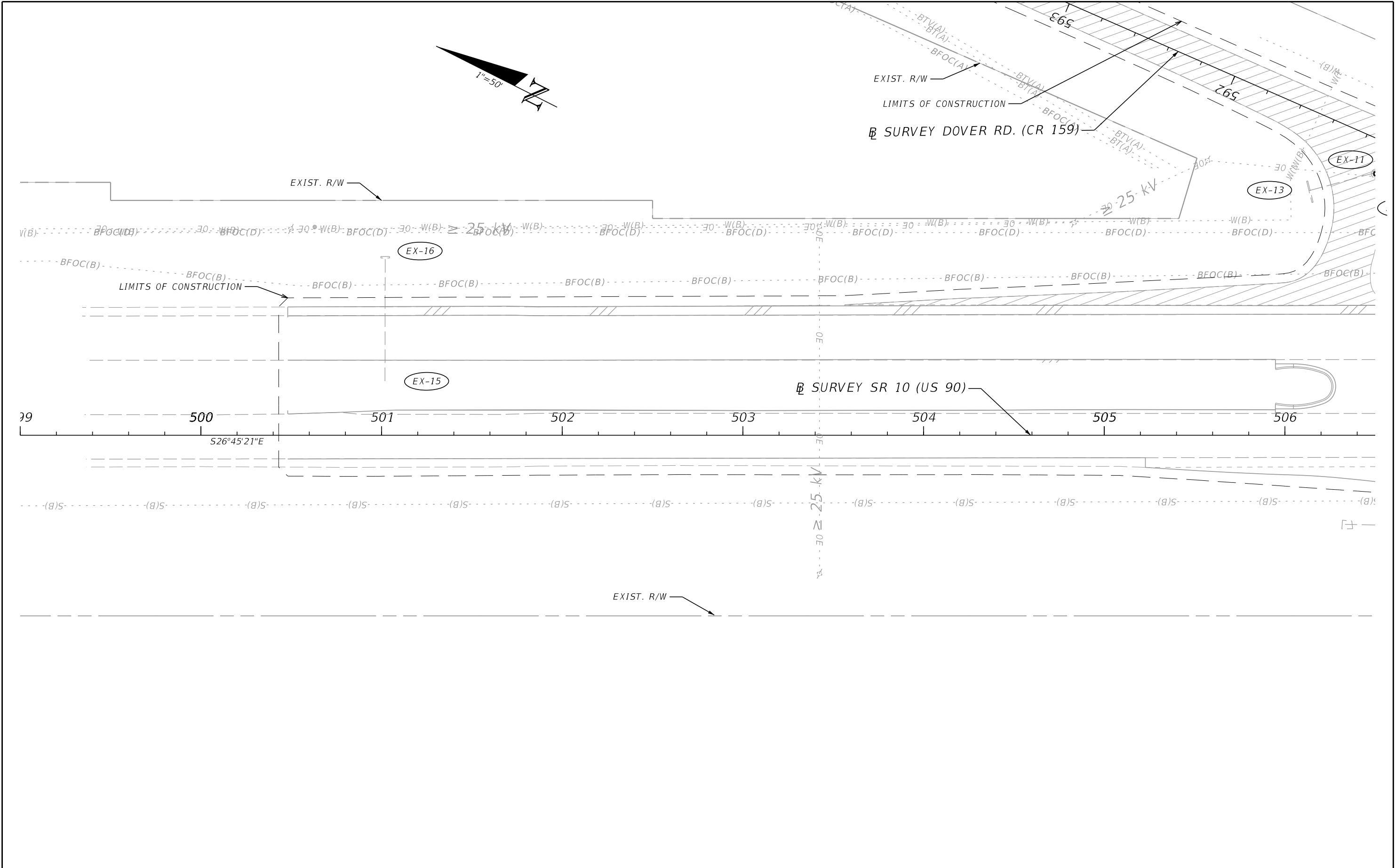
Legend

- FC-5 Limits, (Std. Thickness See Typical Sections)
- FC-9.5 Limits, (Std. Thickness See Typical Sections)

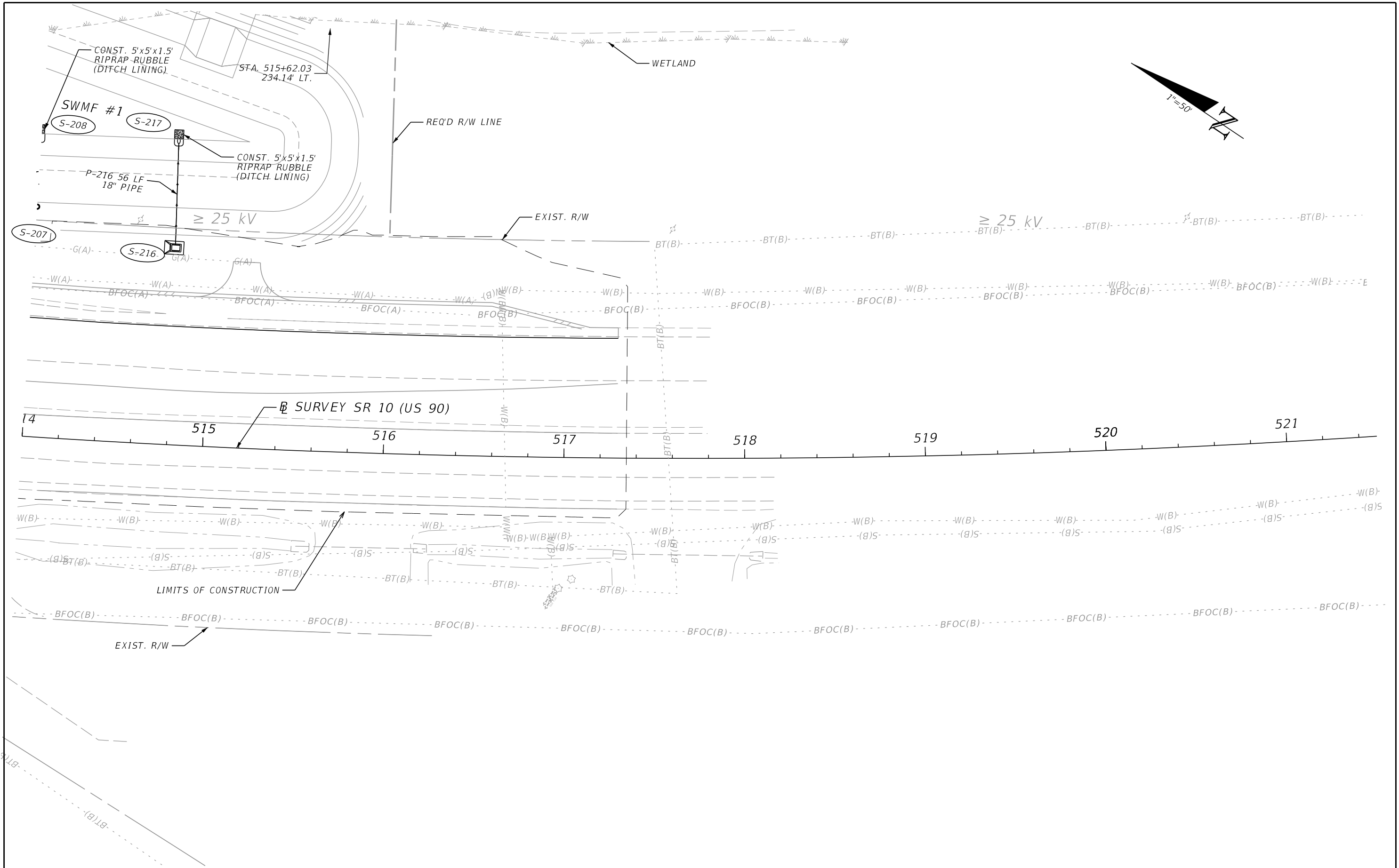


PAVEMENT REMOVAL DETAIL

REVISIONS				ENGINEER OF RECORD			STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION			ROADWAY DETAILS	SHEET NO. 22
DATE	DESCRIPTION	DATE	DESCRIPTION	RICKY E. BRANTON, P.E. LICENSE NUMBER: 57043 MOTT MACDONALD FLORIDA, LLC. 1232 JACKSON AVENUE CHIPLEY, FLORIDA 32428			ROAD NO.	COUNTY	FINANCIAL PROJECT ID		
							SR 10	GADSDEN	449500-1-52-01		



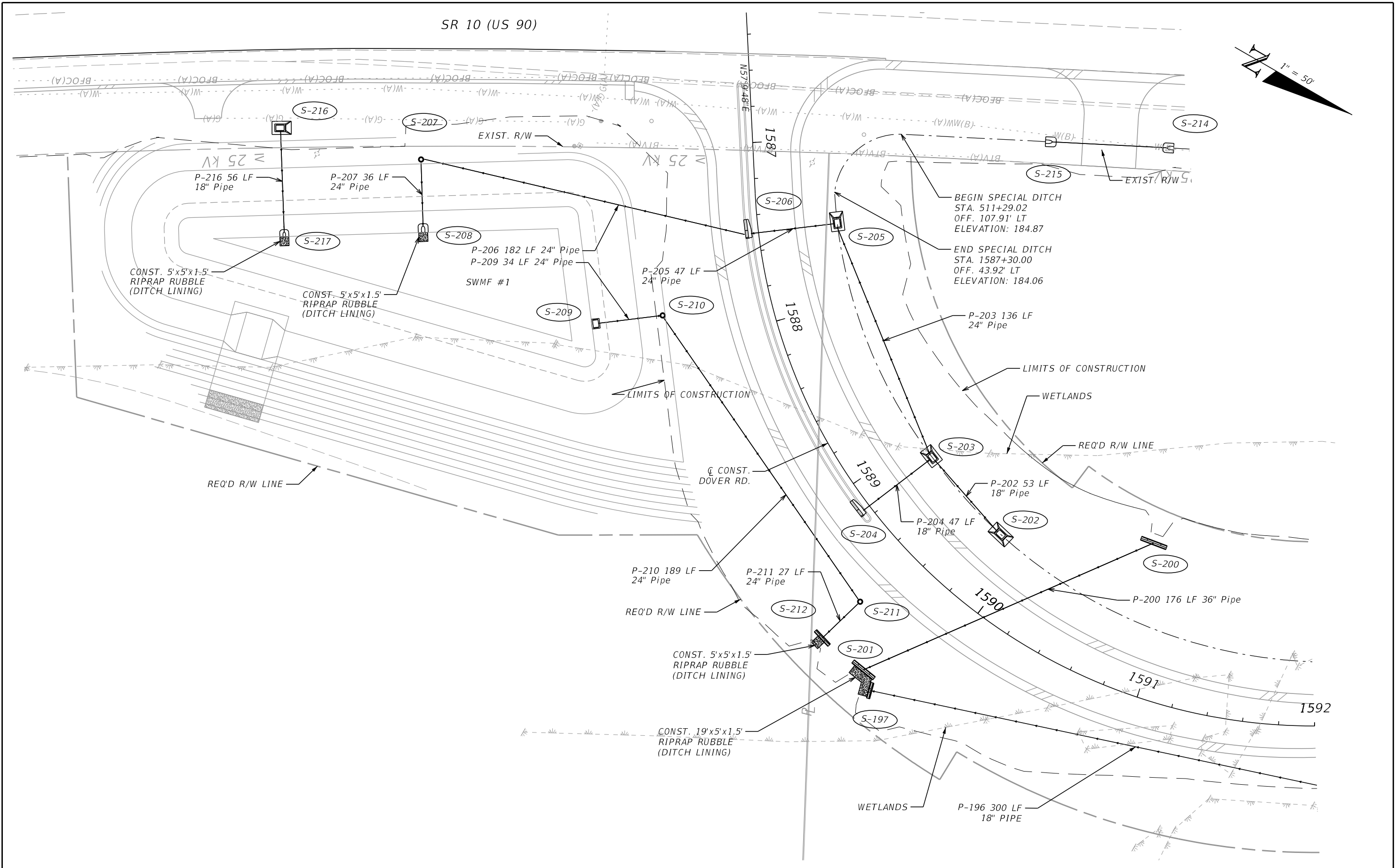
REVISIONS				ENGINEER OF RECORD	STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION			DRAINAGE NETWORK PLAN	SHEET NO.
DATE	DESCRIPTION	DATE	DESCRIPTION	DANIEL P. SHULL, P.E. LICENSE NUMBER: 86494 MOTT MACDONALD FLORIDA, LLC. 220 WEST GARDEN STREET, SUITE 700 PENSACOLA, FLORIDA 32502	ROAD NO.	COUNTY	FINANCIAL PROJECT ID		23
					SR 10	GADSDEN	449500-1-52-01		



REVISIONS				ENGINEER OF RECORD		STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION			DRAINAGE NETWORK PLAN	SHEET NO. 25
DATE	DESCRIPTION	DATE	DESCRIPTION	DANIEL P. SHULL, P.E. LICENSE NUMBER: 86494 MOTT MACDONALD FLORIDA, LLC. 220 WEST GARDEN STREET, SUITE 700 PENSACOLA, FLORIDA 32502		ROAD NO.	COUNTY	FINANCIAL PROJECT ID		
						SR 10	GADSDEN	449500-1-52-01		

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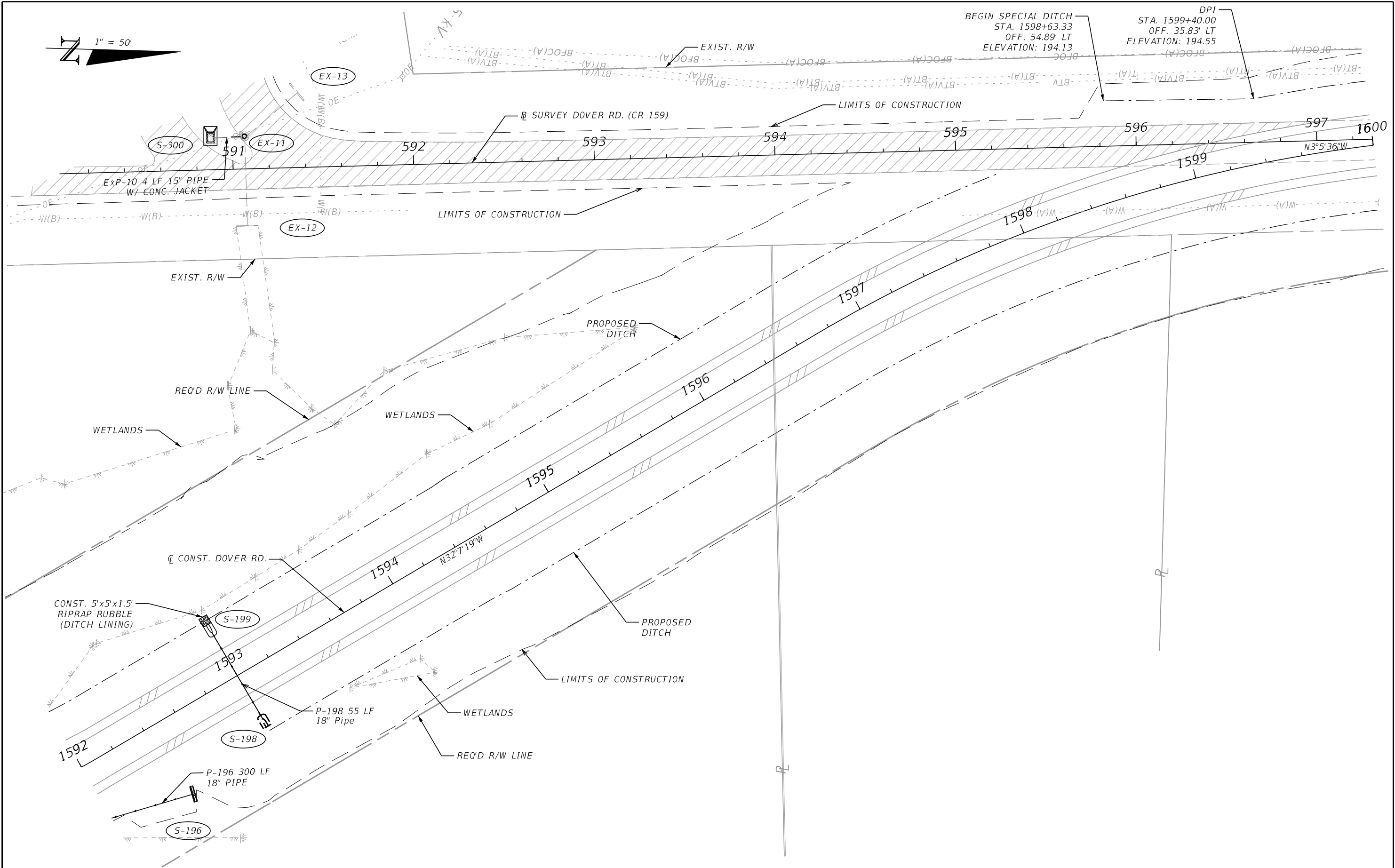
REVISIONS				ENGINEER OF RECORD		STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION			SHEET NO.
DATE	DESCRIPTION	DATE	DESCRIPTION	DANIEL P. SHULL, P.E. LICENSE NUMBER: 86494 MOTT MACDONALD FLORIDA, LLC. 220 WEST GARDEN STREET, SUITE 700 PENSACOLA, FLORIDA 32502		ROAD NO.	COUNTY	FINANCIAL PROJECT ID	
						SR 10	GADSDEN	449500-1-52-01	

DRAINAGE NETWORK PLAN

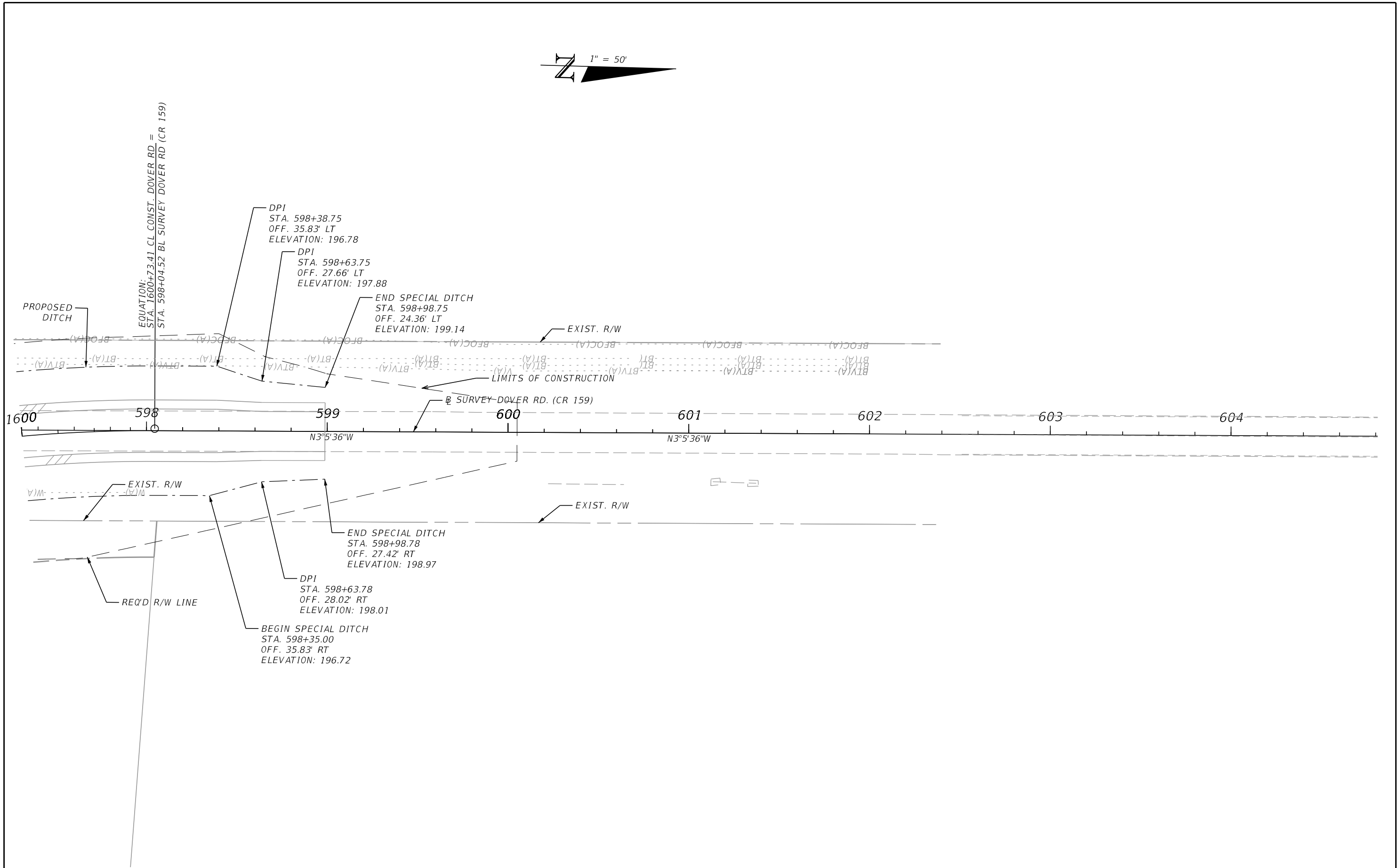
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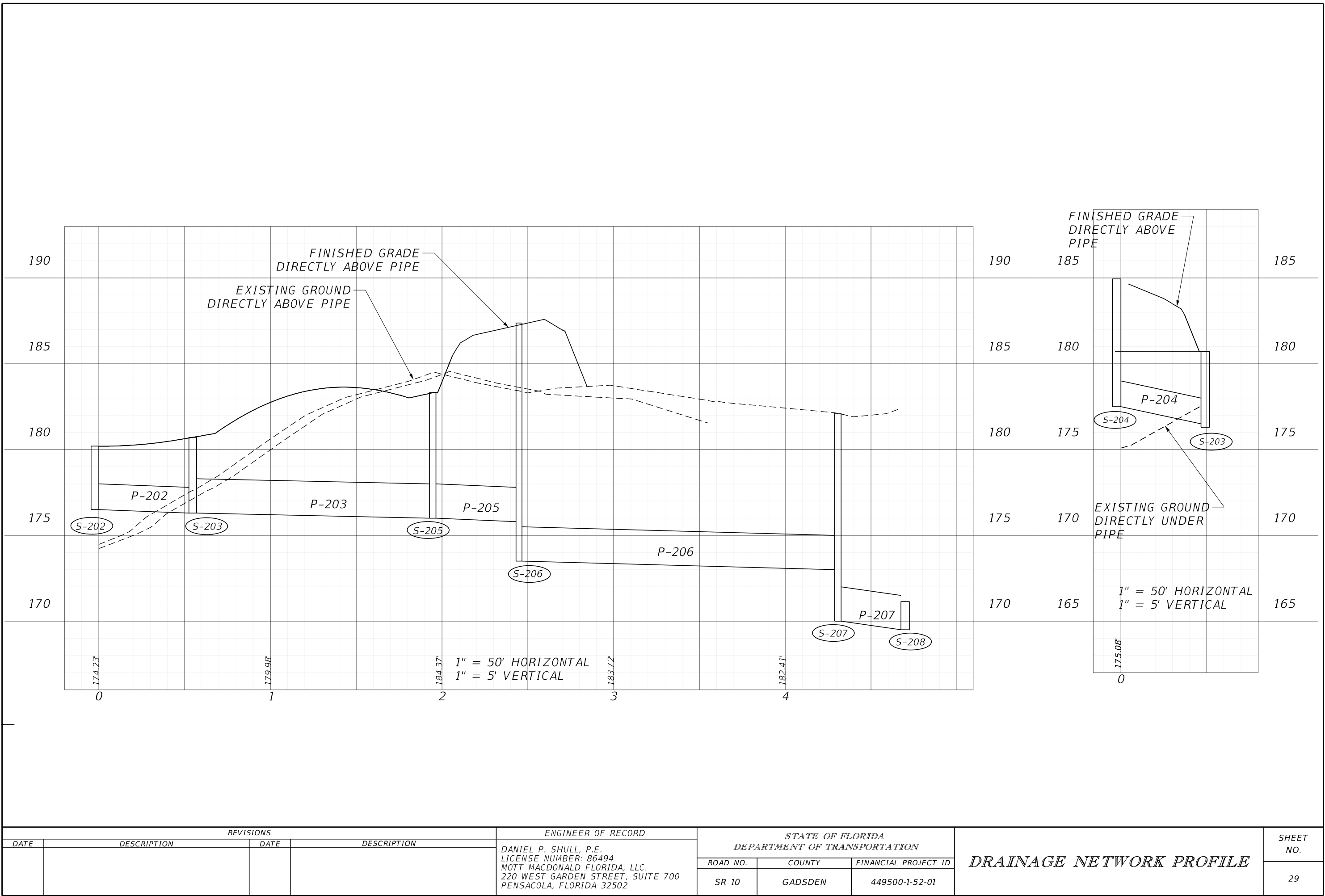


REVISIONS				ENGINEER OF RECORD		STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION			DRAINAGE NETWORK PLAN	SHEET NO. 27
DATE	DESCRIPTION	DATE	DESCRIPTION	DANIEL P. SHULL, P.E. LICENSE NUMBER: 86494 MOTT MACDONALD FLORIDA, LLC. 220 WEST GARDEN STREET, SUITE 700 PENSACOLA, FLORIDA 32502		ROAD NO.	COUNTY	FINANCIAL PROJECT ID		
						SR 10	GADSDEN	449500-1-52-01		

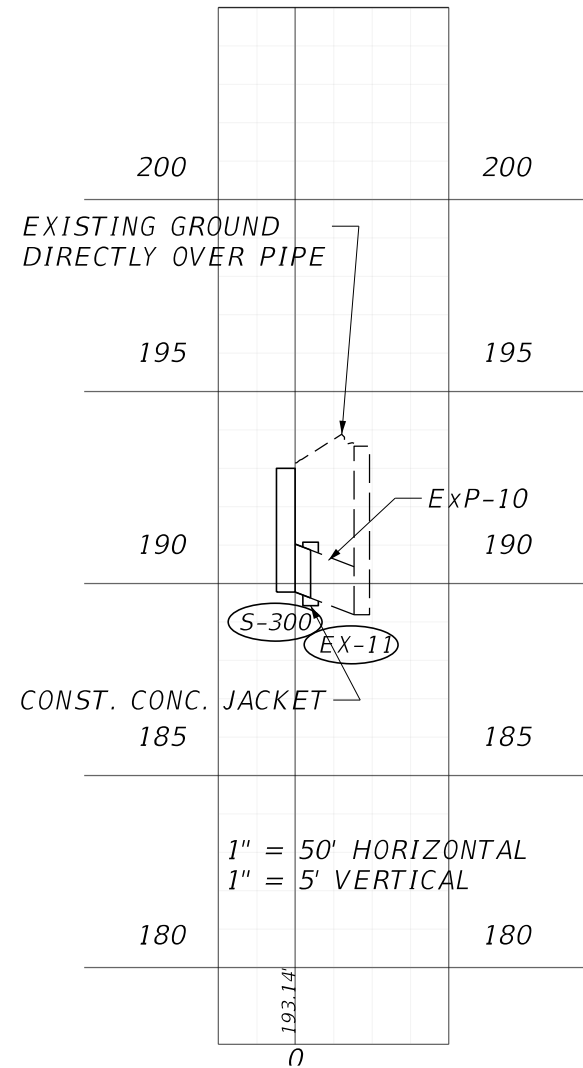
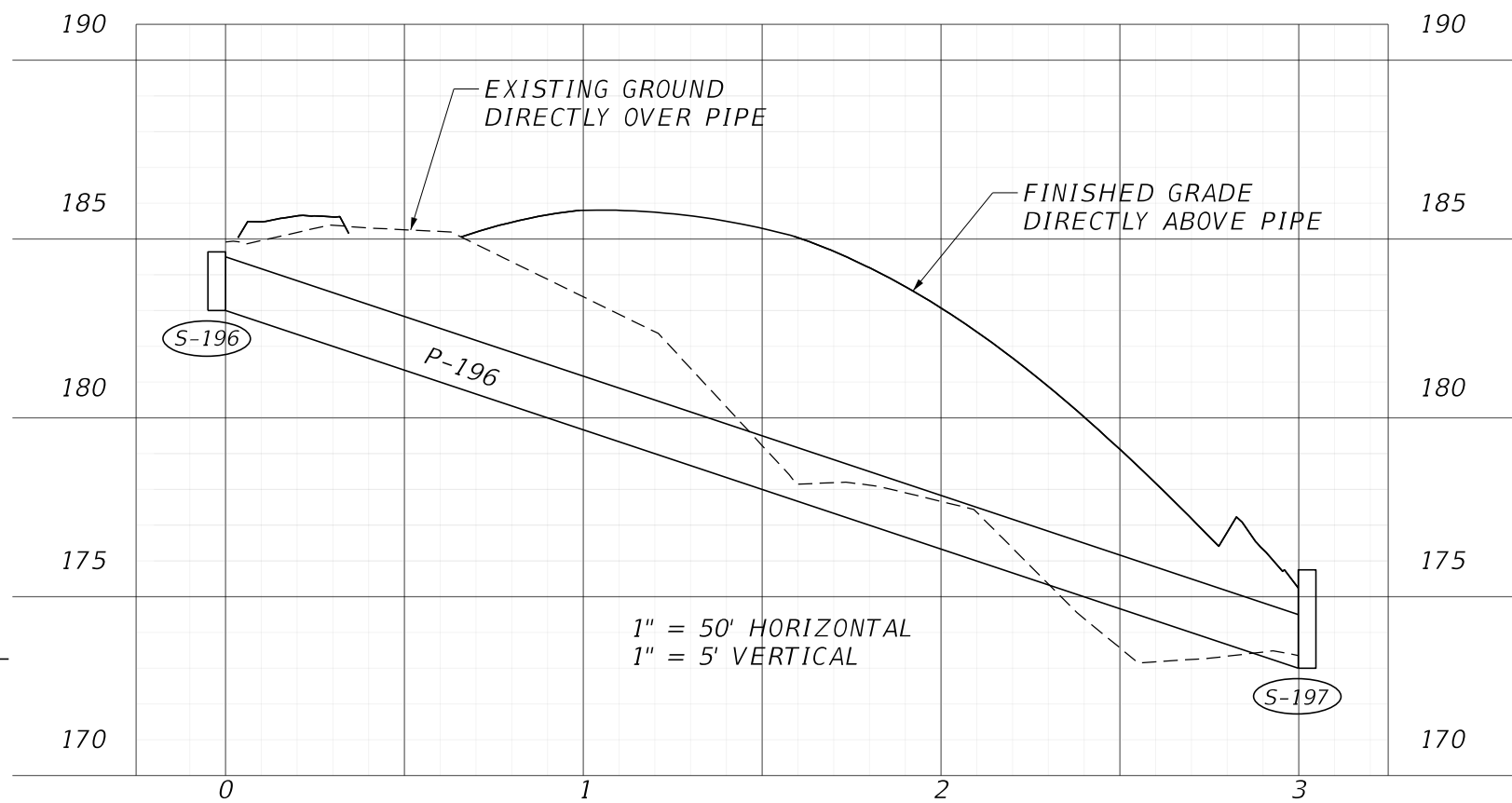
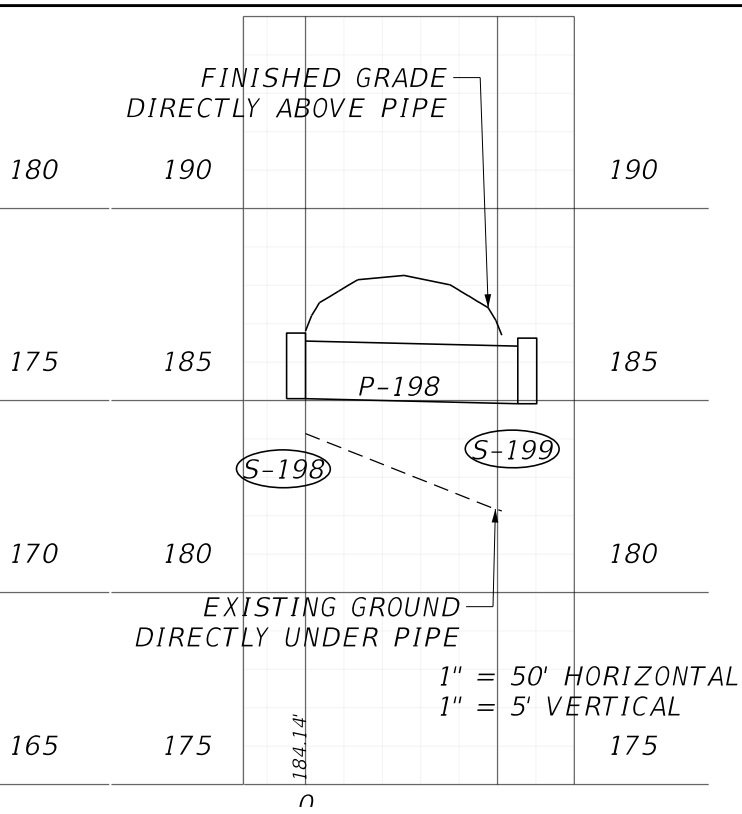
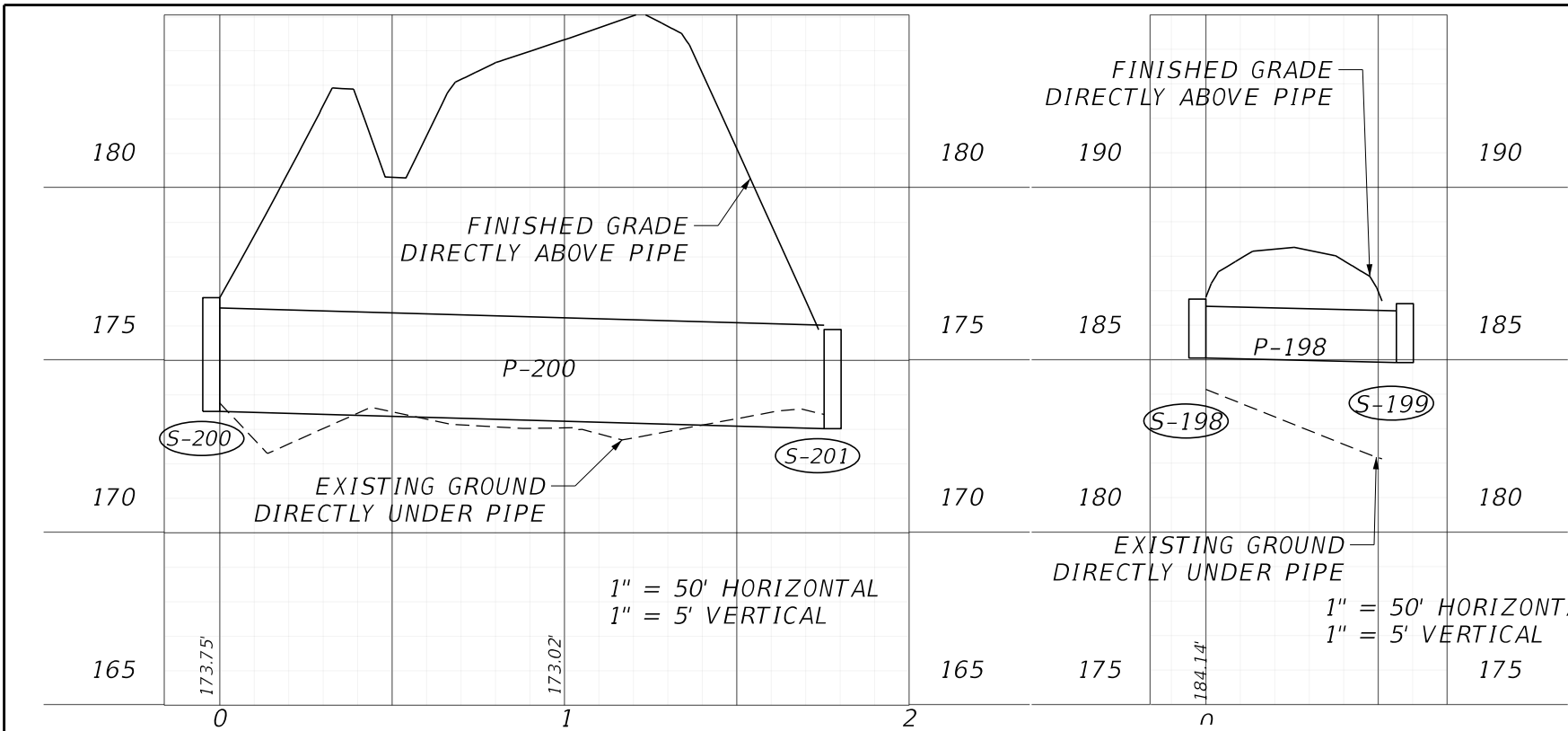


REVISIONS				ENGINEER OF RECORD	STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION			DRAINAGE NETWORK PLAN	SHEET NO.
DATE	DESCRIPTION		DATE	DESCRIPTION		ROAD NO.	COUNTY		FINANCIAL PROJECT ID
						SR 10	GADSDEN		449500-1-52-01
				DANIEL P. SHULL, P.E. LICENSE NUMBER: 86494 MOTT MACDONALD FLORIDA, LLC. 220 WEST GARDEN STREET, SUITE 700 PENSACOLA, FLORIDA 32502					28

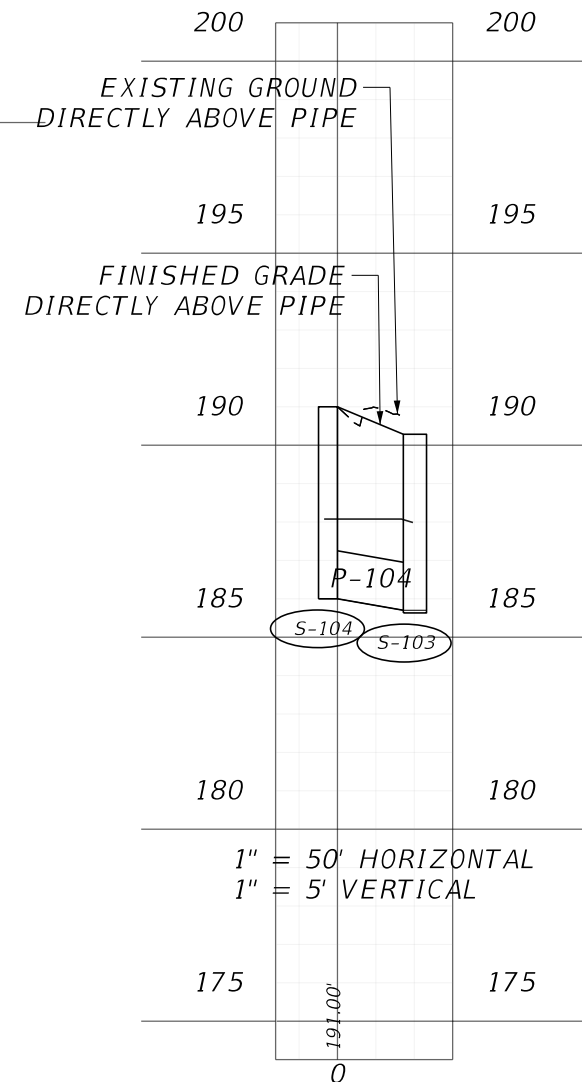
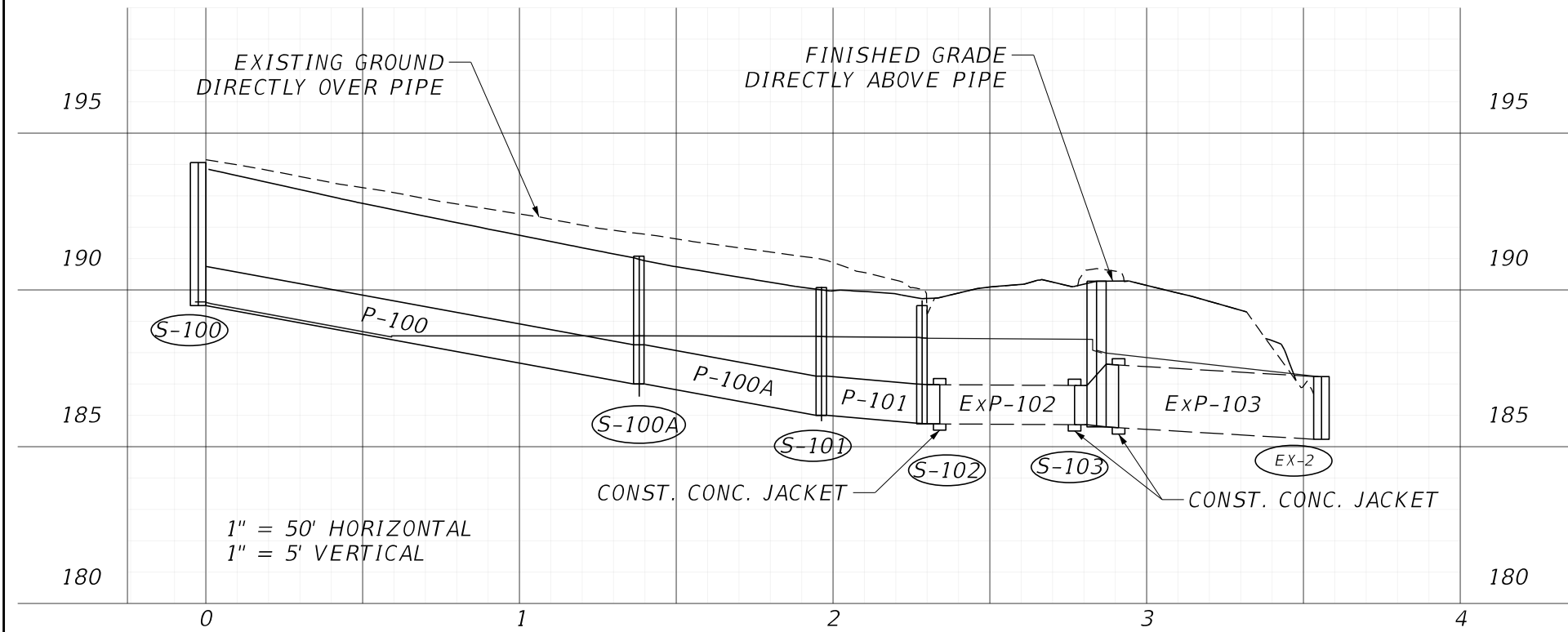
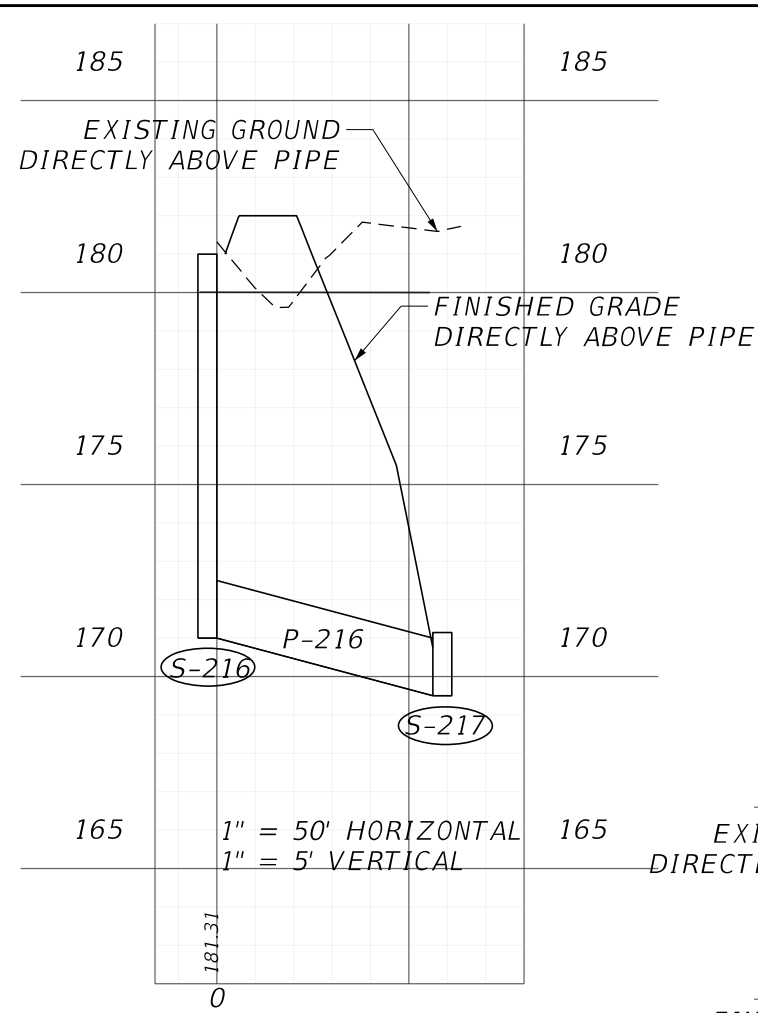
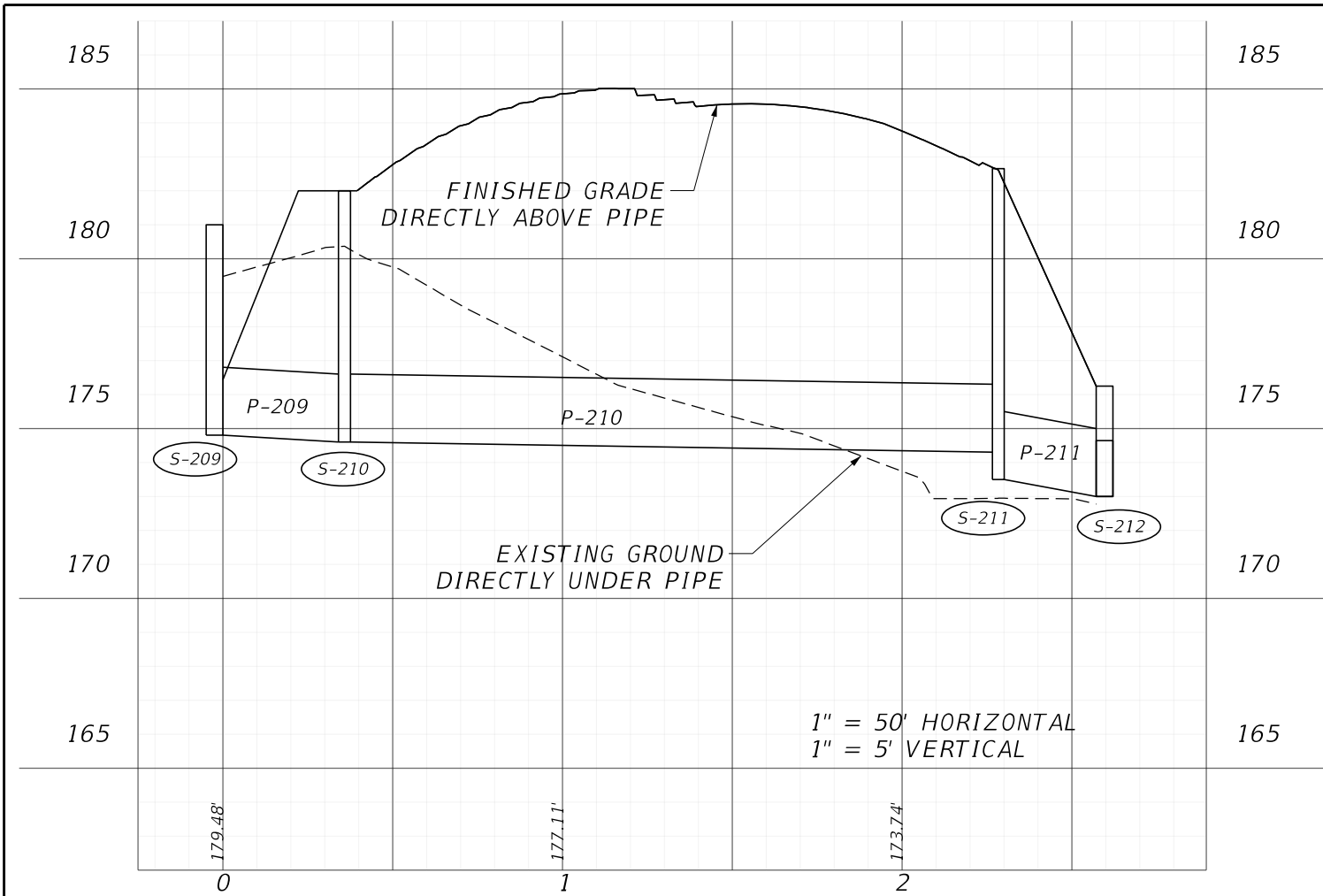
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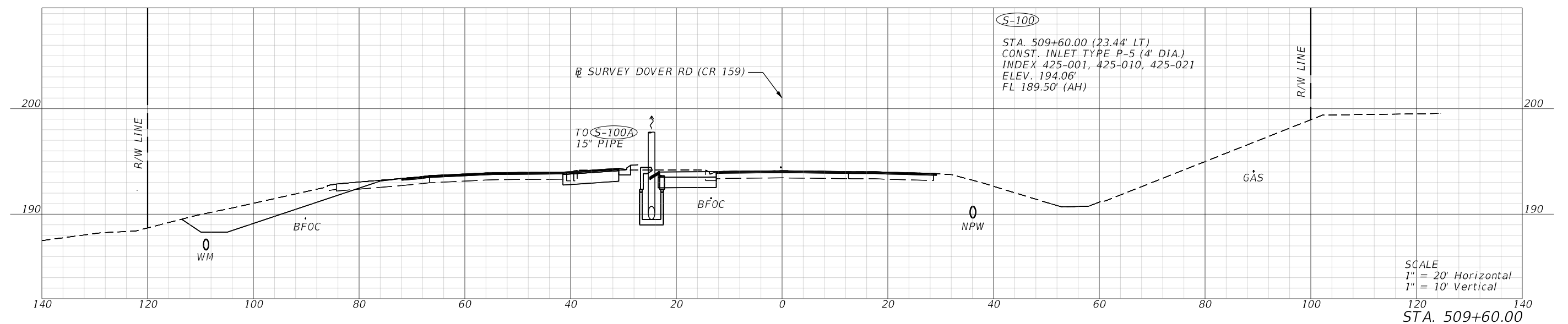
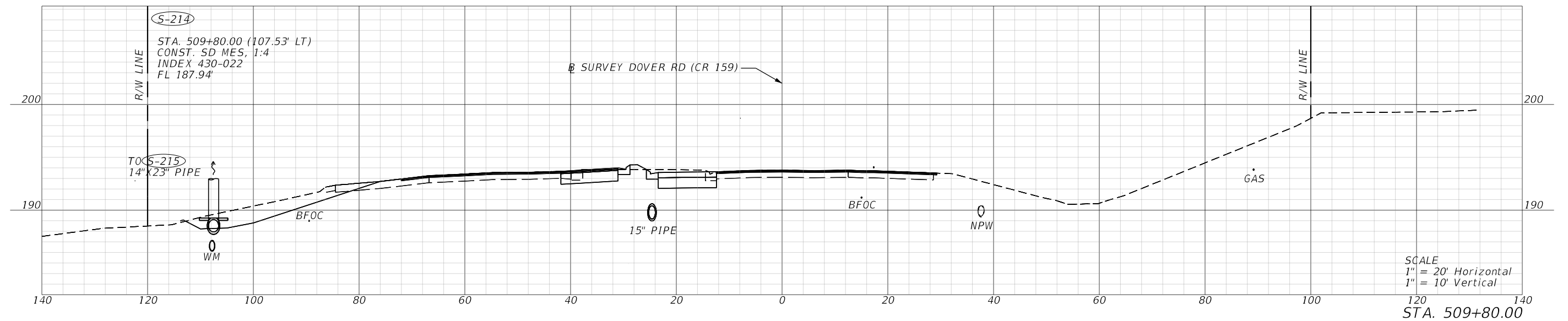
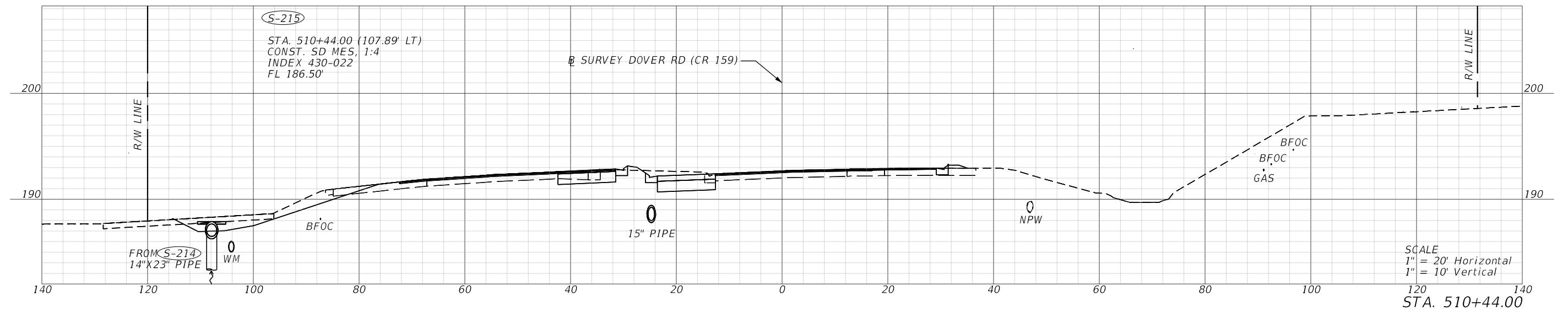
REVISIONS				ENGINEER OF RECORD		STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION			DRAINAGE NETWORK PROFILE	SHEET NO. 29
DATE	DESCRIPTION	DATE	DESCRIPTION	DANIEL P. SHULL, P.E. LICENSE NUMBER: 86494 MOTT MACDONALD FLORIDA, LLC. 220 WEST GARDEN STREET, SUITE 700 PENSACOLA, FLORIDA 32502		ROAD NO.	COUNTY	FINANCIAL PROJECT ID		
						SR 10	GADSDEN	449500-1-52-01		



REVISIONS				ENGINEER OF RECORD		STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION			DRAINAGE NETWORK PROFILE	SHEET NO. 30
DATE	DESCRIPTION	DATE	DESCRIPTION	DANIEL P. SHULL, P.E. LICENSE NUMBER: 86494 MOTT MACDONALD FLORIDA, LLC. 220 WEST GARDEN STREET, SUITE 700 PENSACOLA, FLORIDA 32502		ROAD NO.	COUNTY	FINANCIAL PROJECT ID		
						SR 10	GADSDEN	449500-1-52-01		



REVISIONS				ENGINEER OF RECORD		STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION			DRAINAGE NETWORK PROFILE	SHEET NO. 31
DATE	DESCRIPTION	DATE	DESCRIPTION	DANIEL P. SHULL, P.E. LICENSE NUMBER: 86494 MOTT MACDONALD FLORIDA, LLC. 220 WEST GARDEN STREET, SUITE 700 PENSACOLA, FLORIDA 32502		ROAD NO.	COUNTY	FINANCIAL PROJECT ID		
						SR 10	GADSDEN	449500-1-52-01		

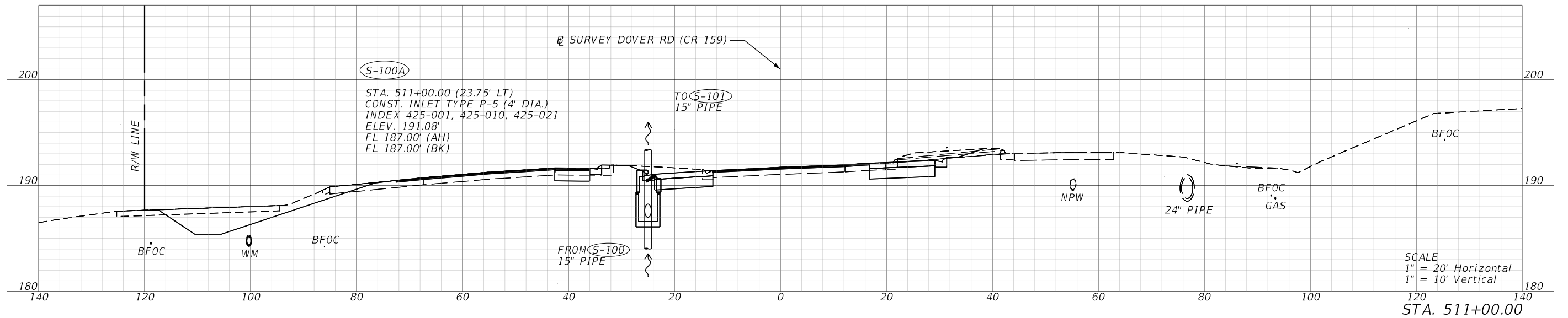
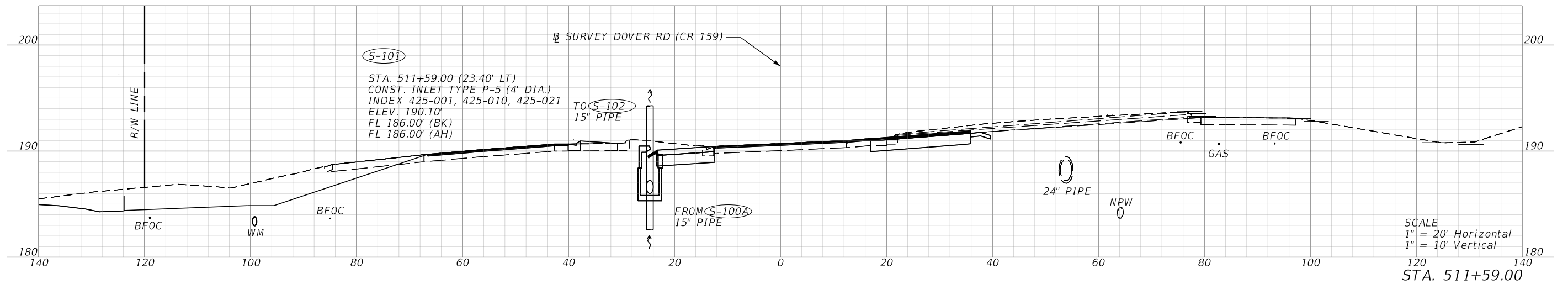


REVISIONS				ENGINEER OF RECORD	STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION			DRAINAGE CROSS SECTIONS	SHEET NO.
DATE	DESCRIPTION	DATE	DESCRIPTION	DANIEL P. SHULL, P.E. LICENSE NUMBER: 86494 MOTT MACDONALD FLORIDA, LLC. 220 WEST GARDEN STREET, SUITE 700 PENSACOLA, FLORIDA 32502	ROAD NO.	COUNTY	FINANCIAL PROJECT ID		32
					SR 10	GADSDEN	449500-1-52-01		

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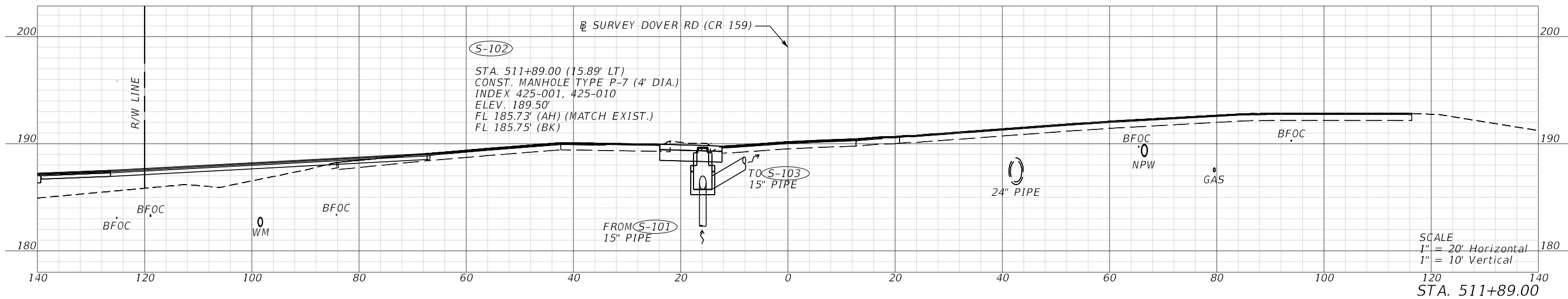
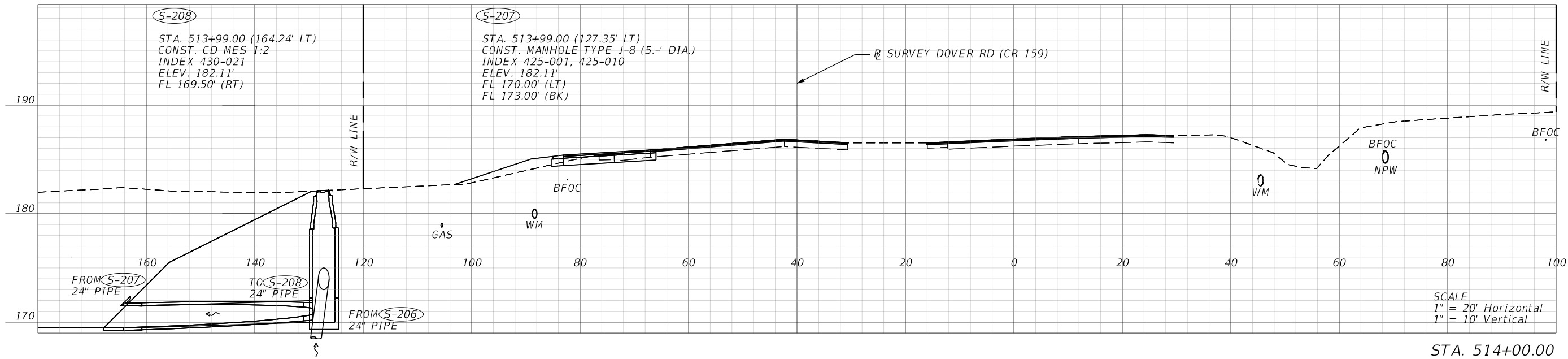
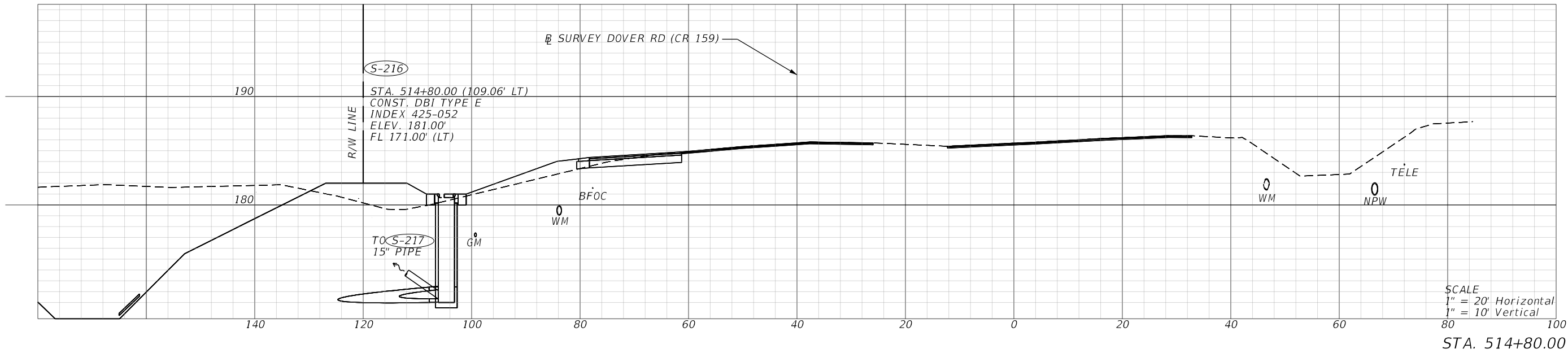
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WYR99276 8/25/2025 11:05:48 AM



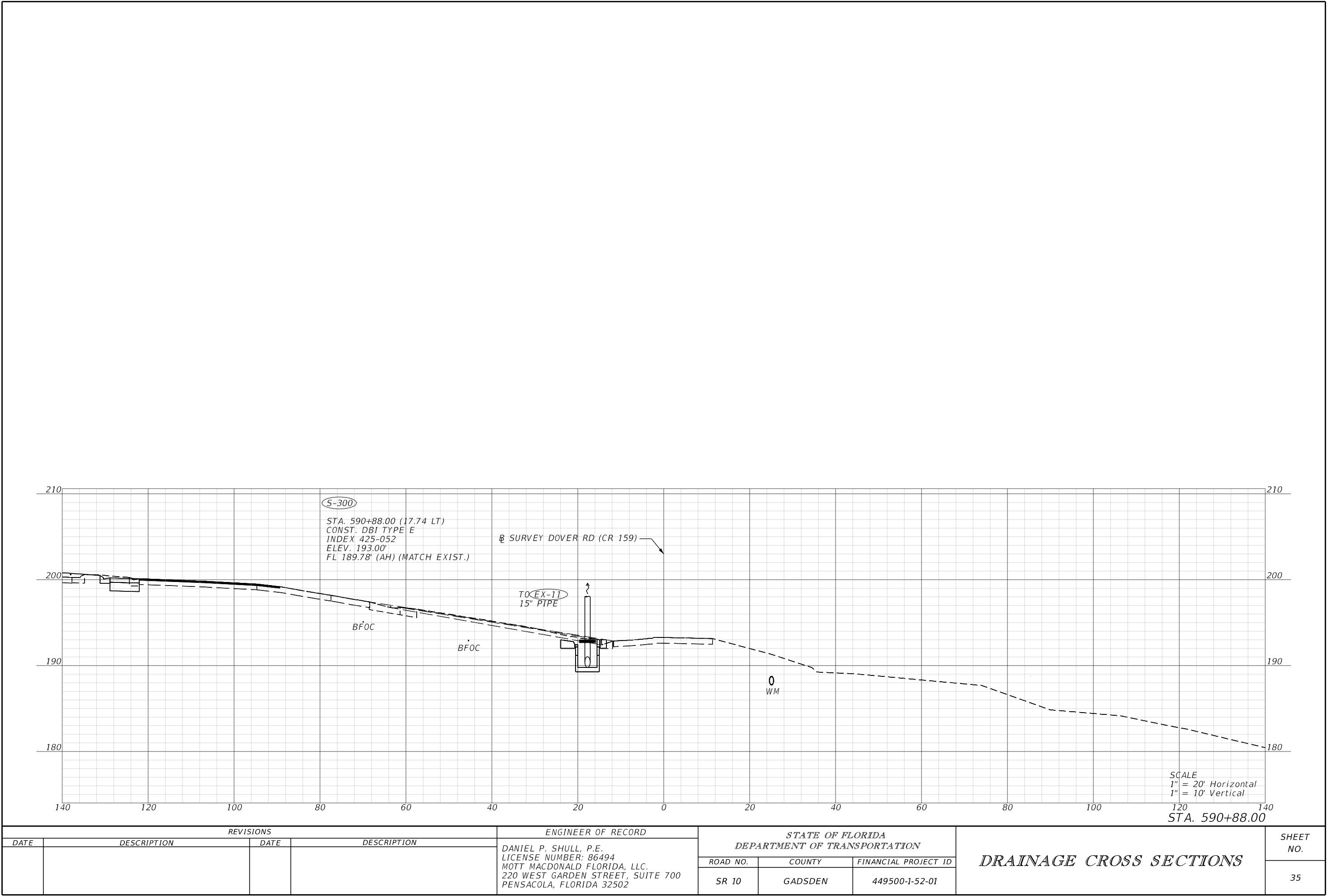
REVISIONS				ENGINEER OF RECORD		STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION			DRAINAGE CROSS SECTIONS	SHEET NO. 33
DATE	DESCRIPTION	DATE	DESCRIPTION	DANIEL P. SHULL, P.E. LICENSE NUMBER: 86494 MOTT MACDONALD FLORIDA, LLC. 220 WEST GARDEN STREET, SUITE 700 PENSACOLA, FLORIDA 32502		ROAD NO.	COUNTY	FINANCIAL PROJECT ID		
						SR 10	GADSDEN	449500-1-52-01		

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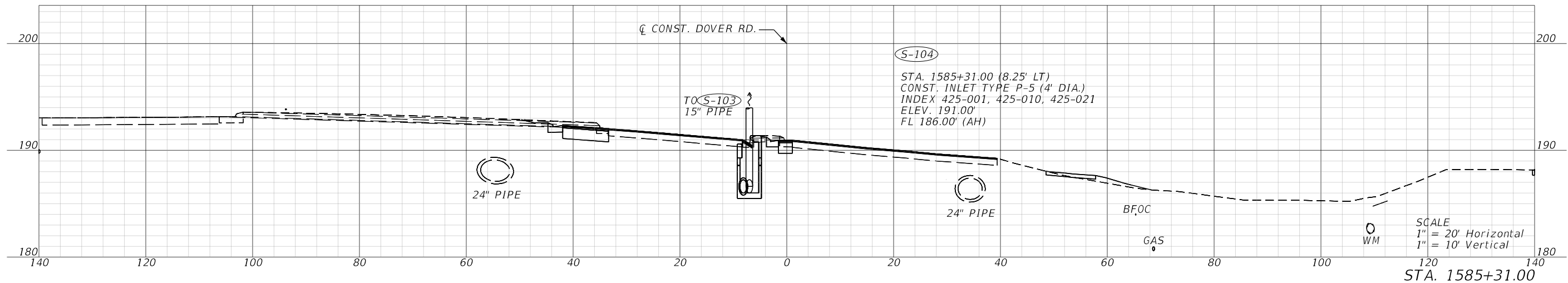
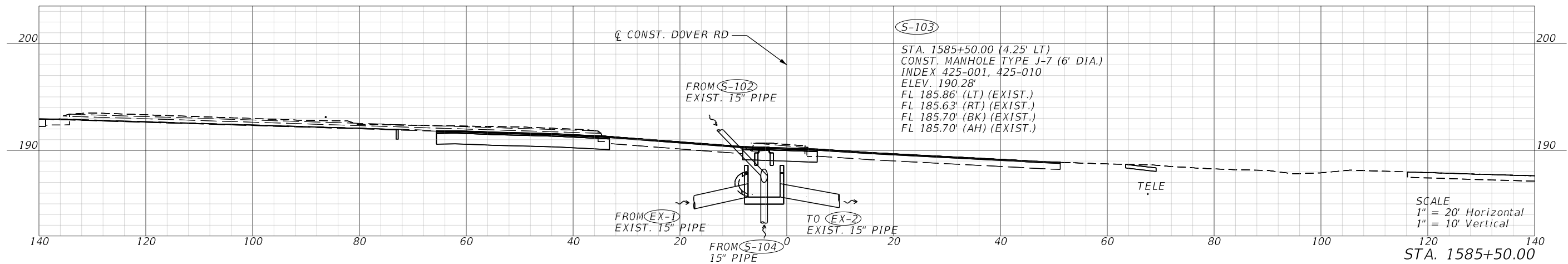


REVISIONS				ENGINEER OF RECORD		STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION			DRAINAGE CROSS SECTIONS	SHEET NO. 34
DATE	DESCRIPTION	DATE	DESCRIPTION	DANIEL P. SHULL, P.E. LICENSE NUMBER: 86494 MOTT MACDONALD FLORIDA, LLC. 220 WEST GARDEN STREET, SUITE 700 PENSACOLA, FLORIDA 32502		ROAD NO.	COUNTY	FINANCIAL PROJECT ID		
						SR 10	GADSDEN	449500-1-52-01		



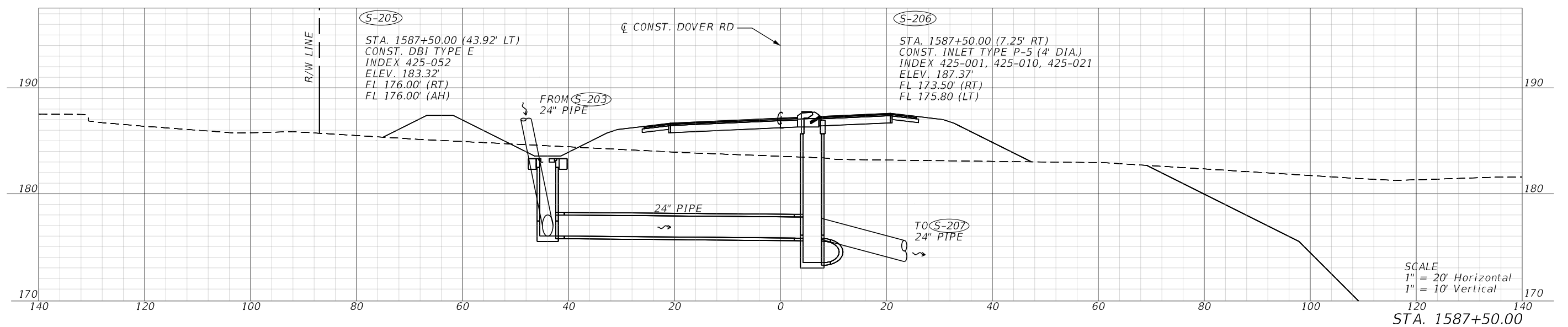
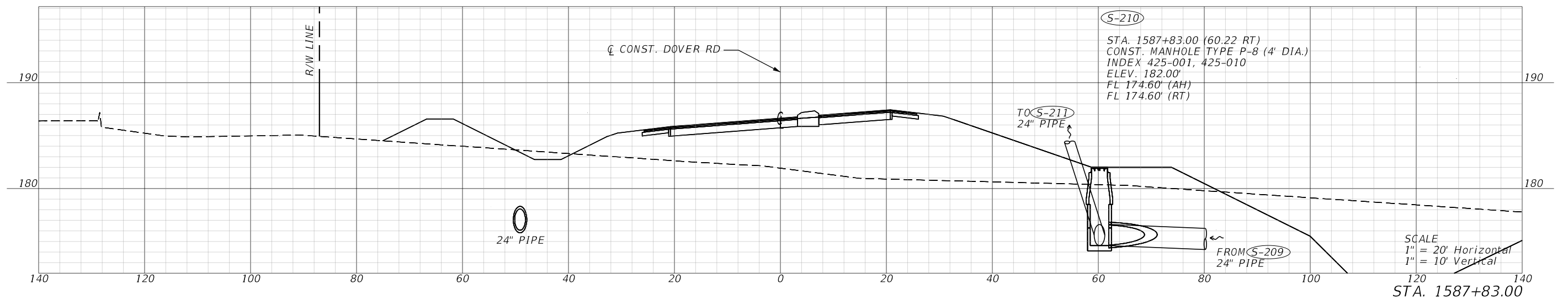
FOR PERMITTING PURPOSES ONLY

THE OFFICIAL RECORD OF THIS SHEET IS THE ELECTRONIC FILE DIGITALLY SIGNED AND SEALED UNDER RULE 61G15-23.004, F.A.C.

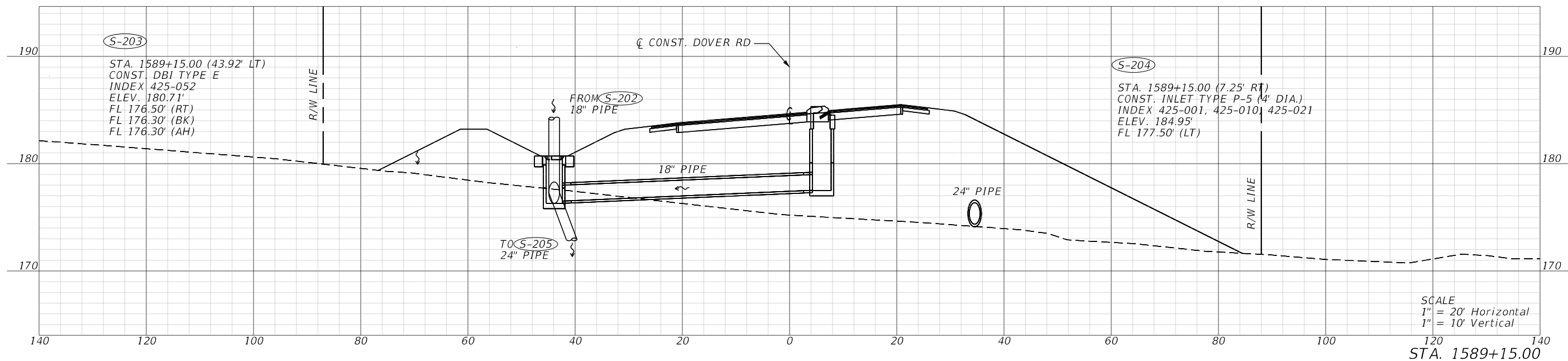
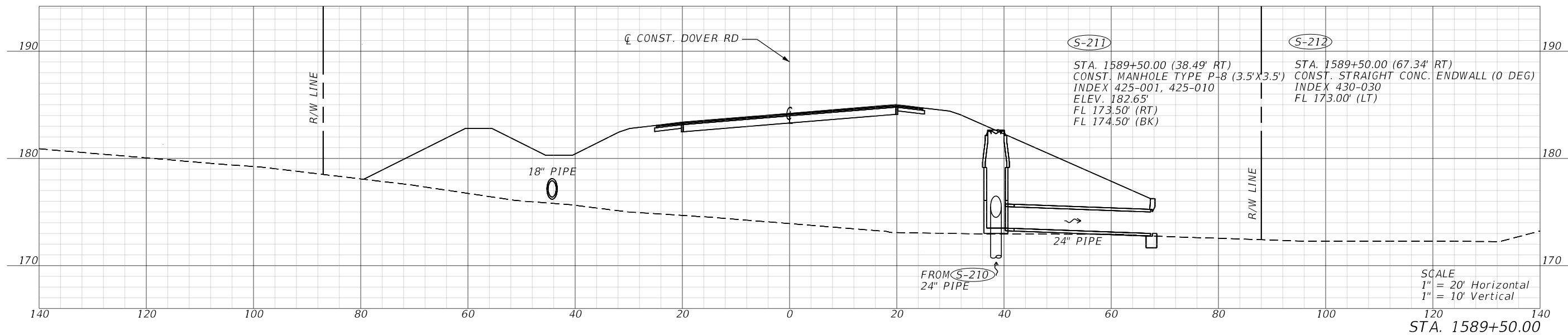


REVISIONS				ENGINEER OF RECORD		STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION			SHEET NO.
DATE	DESCRIPTION	DATE	DESCRIPTION	DANIEL P. SHULL, P.E. LICENSE NUMBER: 86494 MOTT MACDONALD FLORIDA, LLC. 220 WEST GARDEN STREET, SUITE 700 PENSACOLA, FLORIDA 32502		ROAD NO.	COUNTY	FINANCIAL PROJECT ID	
						SR 10	GADSDEN	449500-1-52-01	36

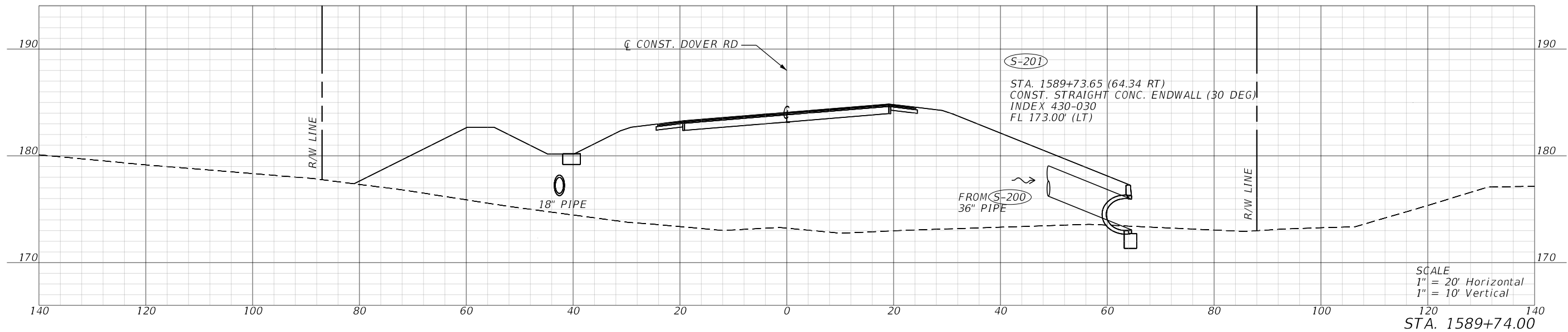
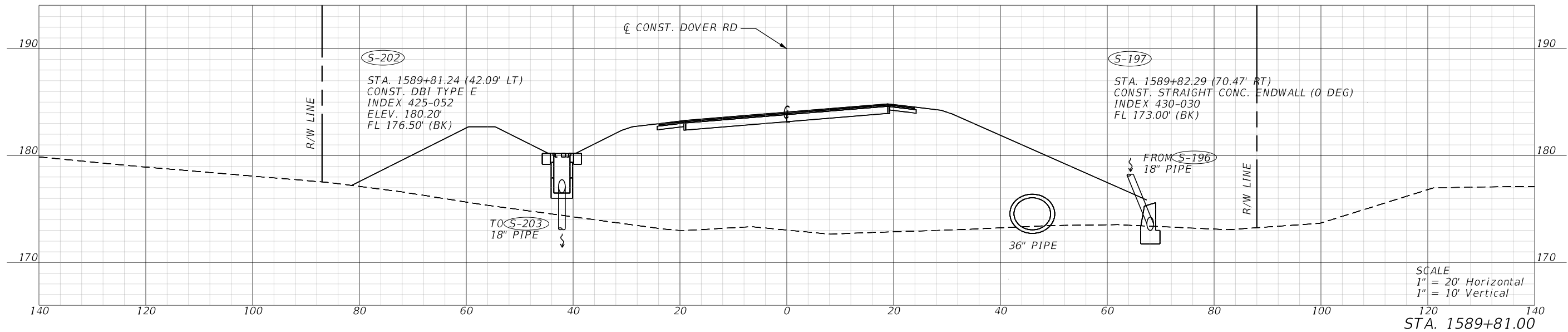
DRAINAGE CROSS SECTIONS



REVISIONS				ENGINEER OF RECORD		STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION			DRAINAGE CROSS SECTIONS	SHEET NO. 37
DATE	DESCRIPTION	DATE	DESCRIPTION	DANIEL P. SHULL, P.E. LICENSE NUMBER: 86494 MOTT MACDONALD FLORIDA, LLC. 220 WEST GARDEN STREET, SUITE 700 PENSACOLA, FLORIDA 32502		ROAD NO.	COUNTY	FINANCIAL PROJECT ID		
						SR 10	GADSDEN	449500-1-52-01		

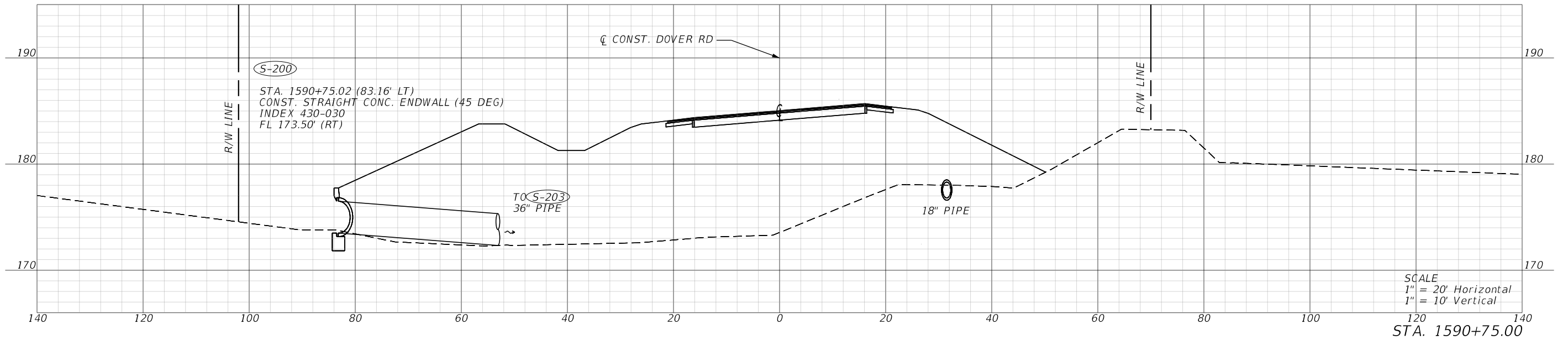


REVISIONS				ENGINEER OF RECORD		STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION			DRAINAGE CROSS SECTIONS	SHEET NO. 38
DATE	DESCRIPTION	DATE	DESCRIPTION	DANIEL P. SHULL, P.E. LICENSE NUMBER: 86494 MOTT MACDONALD FLORIDA, LLC. 220 WEST GARDEN STREET, SUITE 700 PENSACOLA, FLORIDA 32502		ROAD NO.	COUNTY	FINANCIAL PROJECT ID		
						SR 10	GADSDEN	449500-1-52-01		



REVISIONS				ENGINEER OF RECORD		STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION			SHEET NO.
DATE	DESCRIPTION	DATE	DESCRIPTION	DANIEL P. SHULL, P.E. LICENSE NUMBER: 86494 MOTT MACDONALD FLORIDA, LLC. 220 WEST GARDEN STREET, SUITE 700 PENSACOLA, FLORIDA 32502		ROAD NO.	COUNTY	FINANCIAL PROJECT ID	
						SR 10	GADSDEN	449500-1-52-01	39

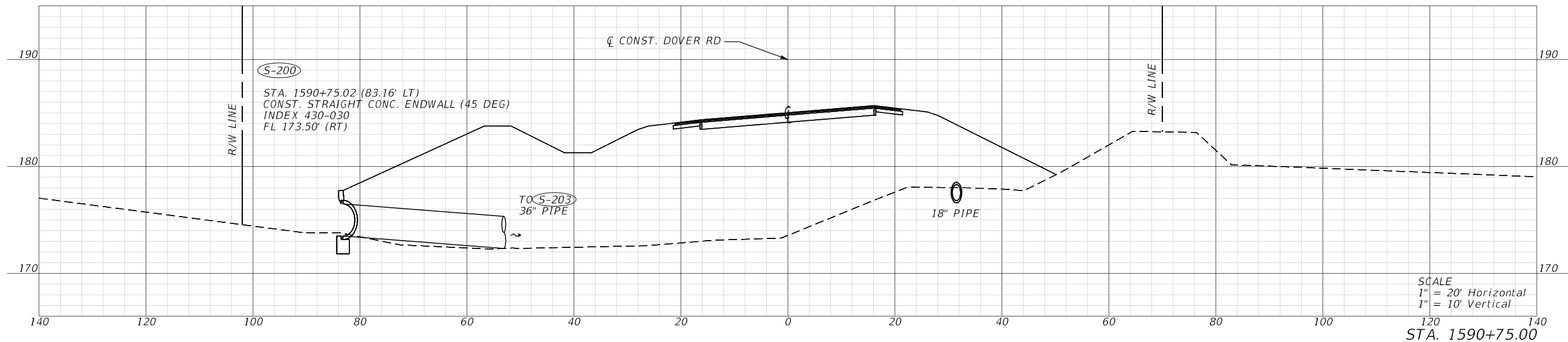
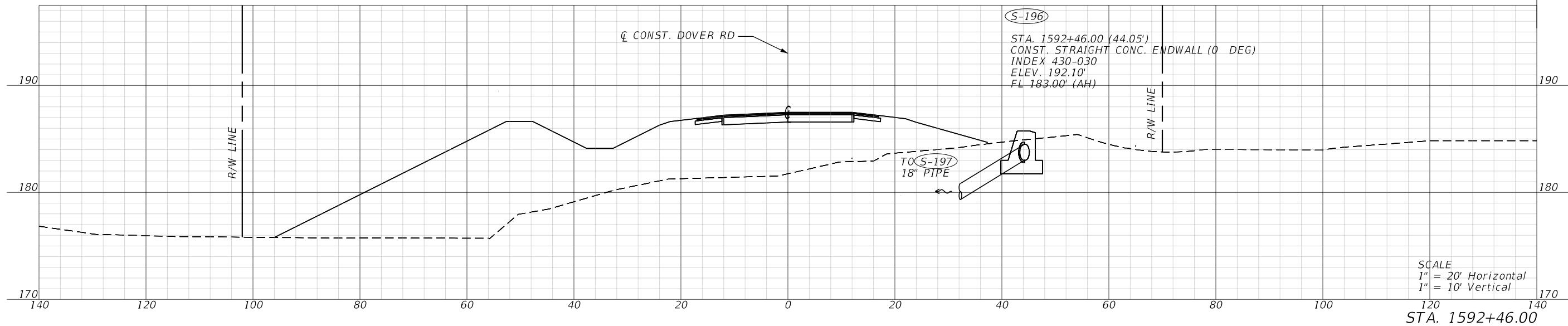
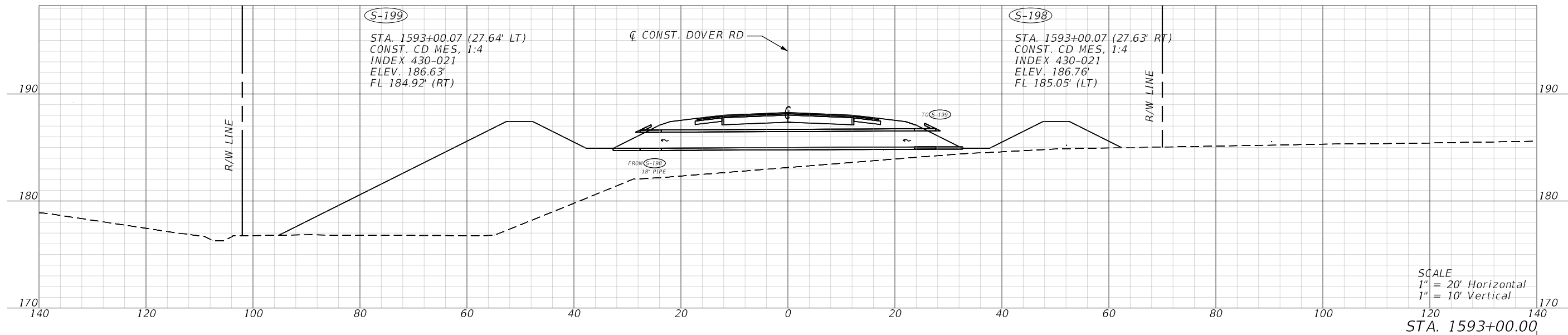
DRAINAGE CROSS SECTION



REVISIONS				ENGINEER OF RECORD		STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION			DRAINAGE CROSS SECTIONS	SHEET NO.
DATE	DESCRIPTION	DATE	DESCRIPTION	DANIEL P. SHULL, P.E. LICENSE NUMBER: 86494 MOTT MACDONALD FLORIDA, LLC. 220 WEST GARDEN STREET, SUITE 700 PENSACOLA, FLORIDA 32502		ROAD NO.	COUNTY	FINANCIAL PROJECT ID		
						SR 10	GADSDEN	449500-1-52-01		40

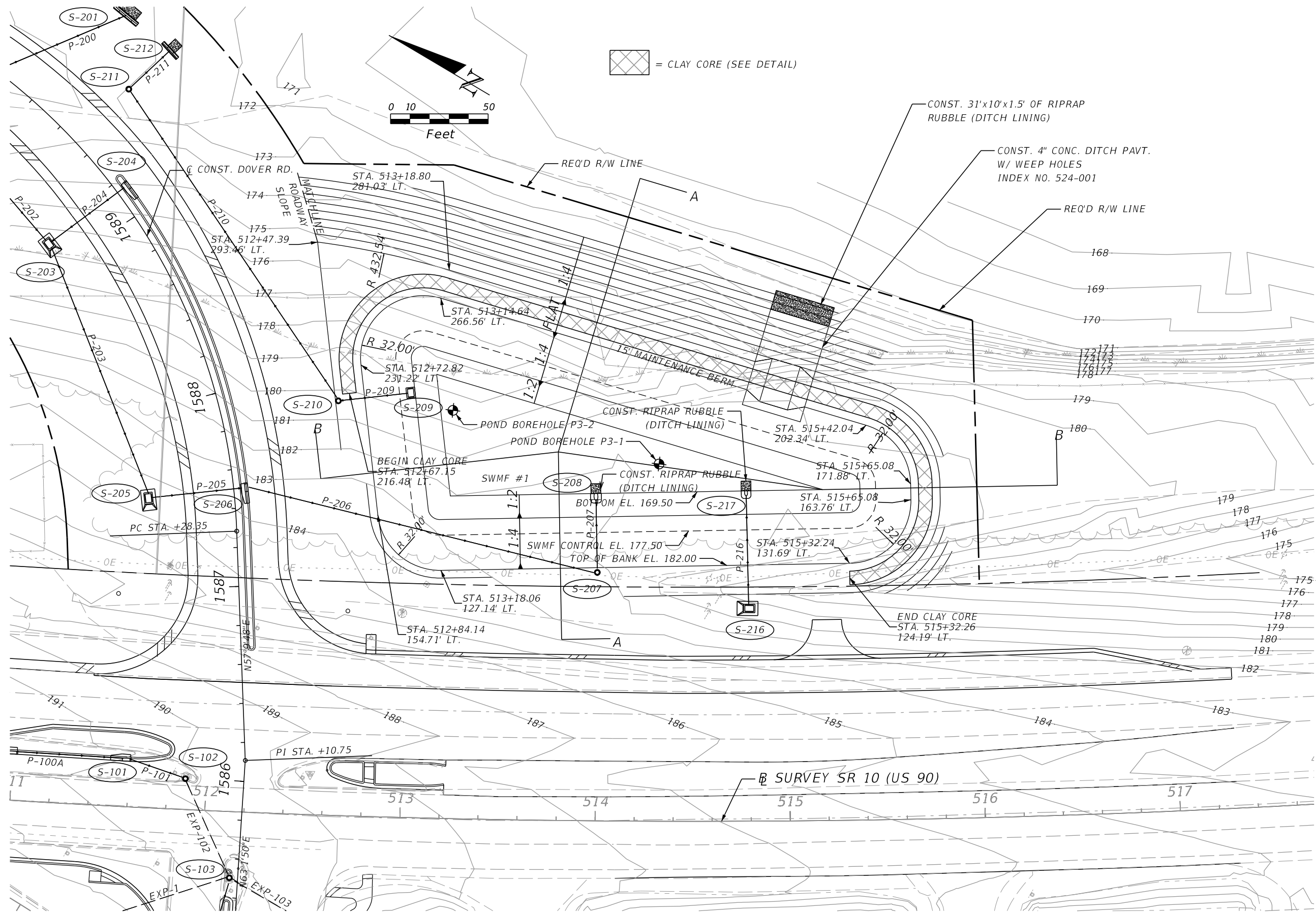
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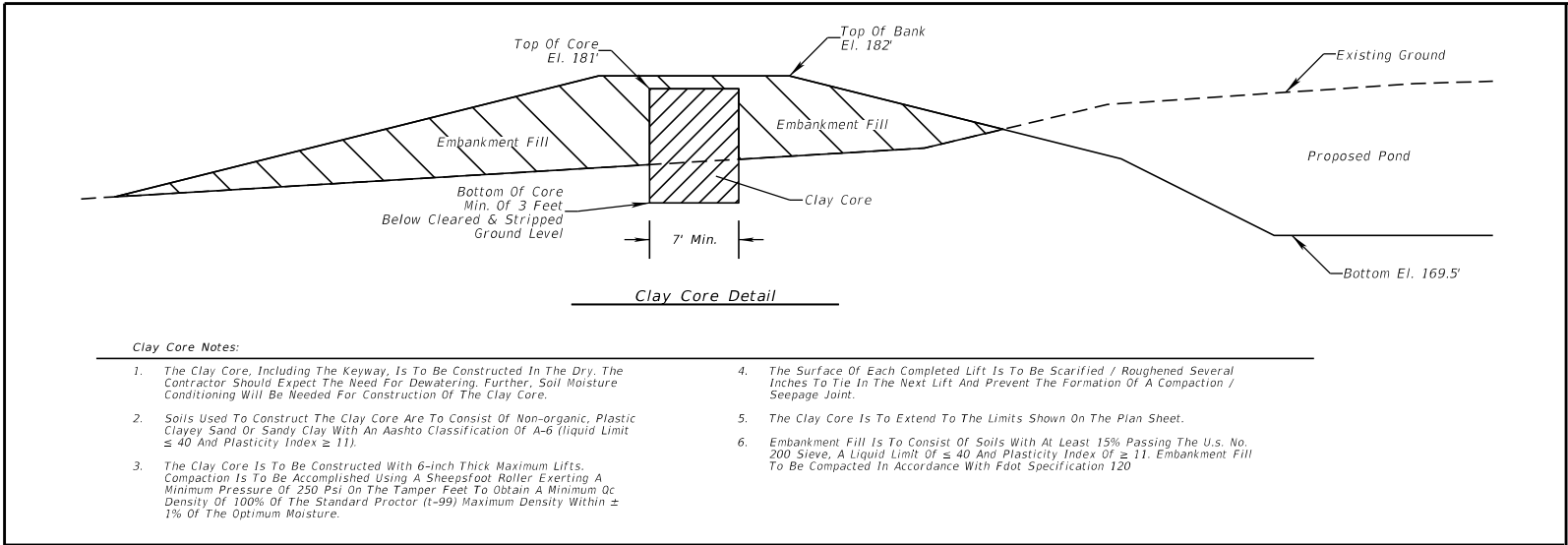
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DATE	DESCRIPTION	DATE	DESCRIPTION	DANIEL P. SHULL, P.E. LICENSE NUMBER: 86494 MOTT MACDONALD FLORIDA, LLC. 220 WEST GARDEN STREET, SUITE 700 PENSACOLA, FLORIDA 32502		ROAD NO.	COUNTY	FINANCIAL PROJECT ID	
						SR 10	GADSDEN	449500-1-52-01	41

DRAINAGE CROSS SECTIONS



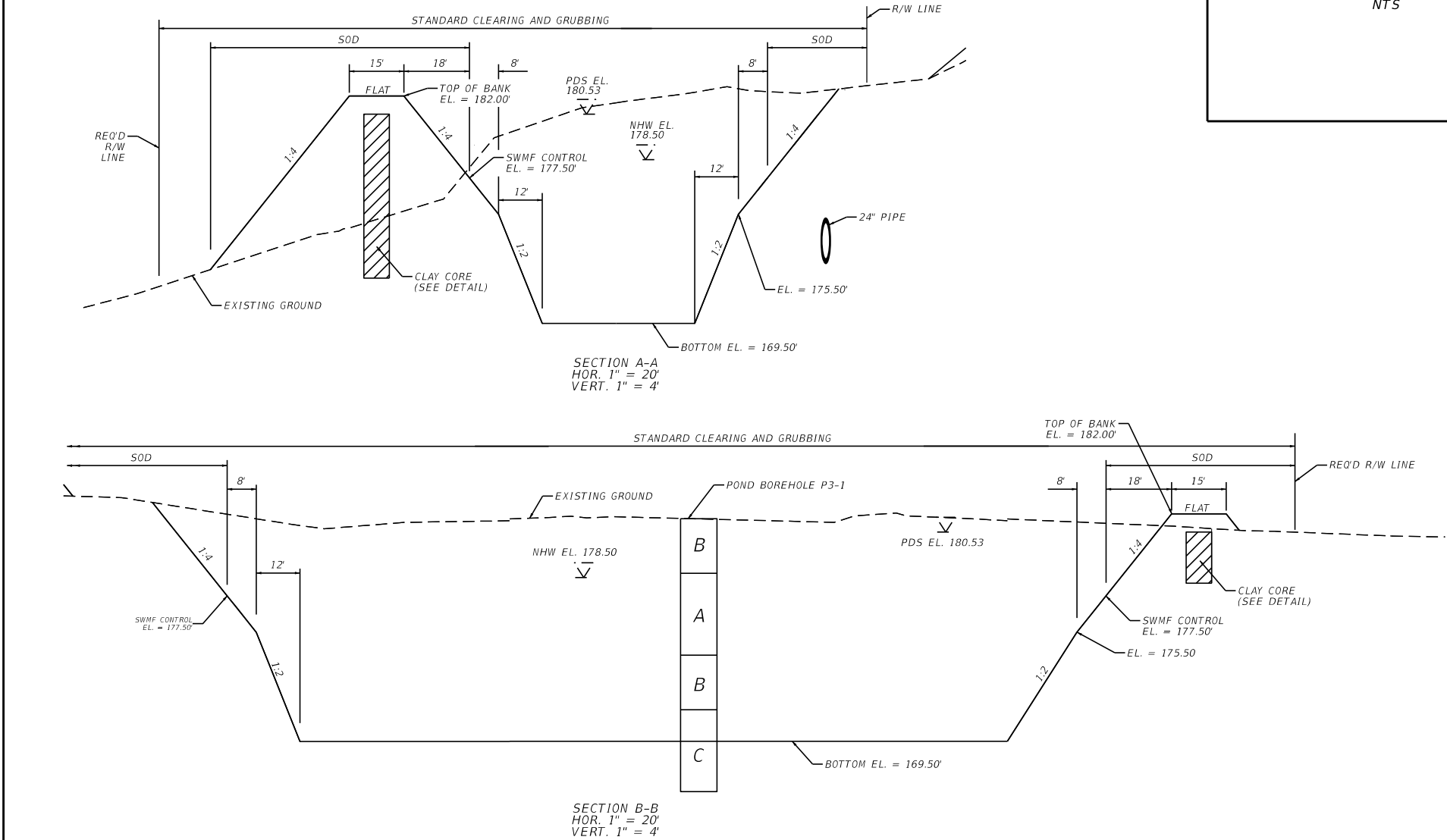
REVISIONS				ENGINEER OF RECORD	STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION			STORMWATER FACILITY SWF #1	SHEET NO. 43
DATE	DESCRIPTION	DATE	DESCRIPTION		ROAD NO.	COUNTY	FINANCIAL PROJECT ID		
					SR 10	GADSDEN	449500-1-52-01		

DANIEL P. SHULL, P.E.
LICENSE NUMBER: 86494
MOTT MACDONALD FLORIDA, LLC.
220 WEST GARDEN STREET, SUITE 700
PENSACOLA, FLORIDA 32502

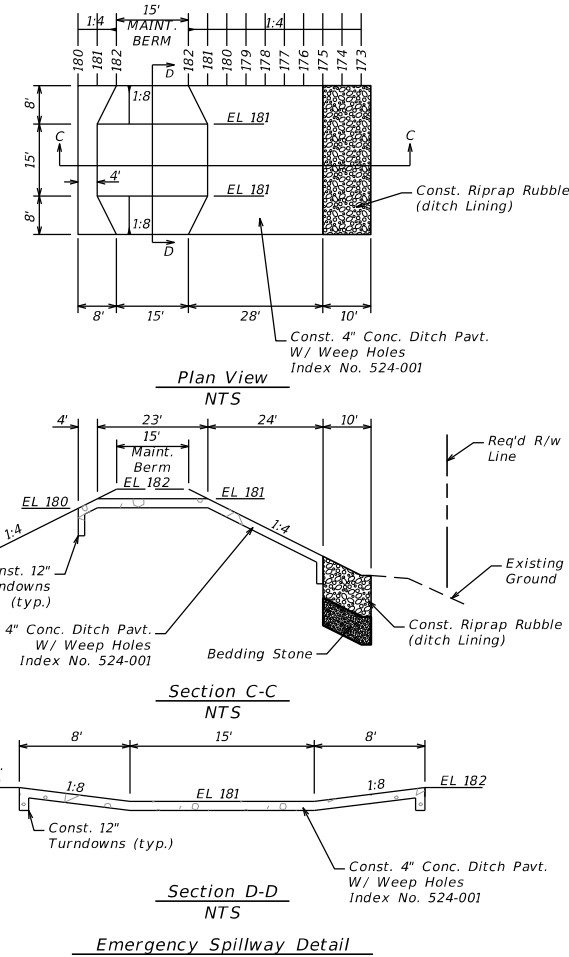
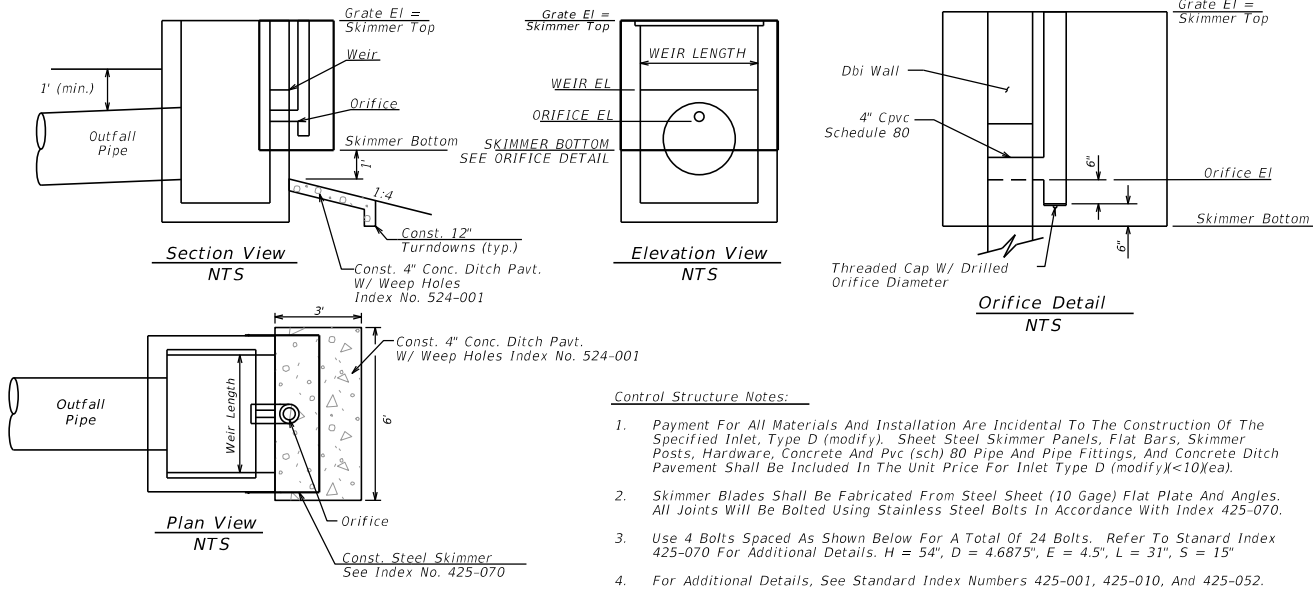


Clay Core Notes:

1. The Clay Core, Including The Keyway, Is To Be Constructed In The Dry. The Contractor Should Expect The Need For Dewatering. Further, Soil Moisture Conditioning Will Be Needed For Construction Of The Clay Core.
2. Soils Used To Construct The Clay Core Are To Consist Of Non-organic, Plastic Clayey Sand Or Sandy Clay With An Aashto Classification Of A-6 (liquid Limit ≤ 40 And Plasticity Index ≥ 11).
3. The Clay Core Is To Be Constructed With 6-inch Thick Maximum Lifts. Compaction Is To Be Accomplished Using A Sheepfoot Roller Exerting A Minimum Pressure Of 250 Psi On The Tamping Feet To Obtain A Minimum Qc Density Of 100% Of The Standard Proctor (1-99) Maximum Density Within $\pm 1\%$ Of The Optimum Moisture.
4. The Surface Of Each Completed Lift Is To Be Scarified / Roughened Several Inches To Tie In The Next Lift And Prevent The Formation Of A Compaction / Seepage Joint.
5. The Clay Core Is To Extend To The Limits Shown On The Plan Sheet.
6. Embankment Fill Is To Consist Of Soils With At Least 15% Passing The U.S. No. 200 Sieve, A Liquid Limit Of ≤ 40 And Plasticity Index Of ≥ 11 . Embankment Fill To Be Compacted In Accordance With Fdot Specification 120



OUTLET STRUCT.	SWMF	STATION	OFFSET	REF.	INLET TYPE	INDEX NO.	GRATE EL. (FT NAVD)	WEIR EL. (FT NAVD)	WEIR LENGTH (IN)	ORIFICE EL. (FT NAVD)	ORIFICE DIA. (IN)	CONC. DITCH PAVT. (SY)	TOP OF SKIMMER EL. (FT NAVD)	HEIGHT OF SKIMMER (IN)
S-209	#1	1587+80	97.37	DOVER RD.	D MOD.	425-052 425-070	181.0	179.5	36.0	177.5	1.85	2	181.0	54.0



REVISIONS				ENGINEER OF RECORD	STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION			STORMWATER FACILITY SWF #1	SHEET NO.
DATE	DESCRIPTION	DATE	DESCRIPTION	DANIEL P. SHULL, P.E. LICENSE NUMBER: 86494 MOTT MACDONALD FLORIDA, LLC. 220 WEST GARDEN STREET, SUITE 700 PENSACOLA, FLORIDA 32502	ROAD NO.	COUNTY	FINANCIAL PROJECT ID		44
					SR 10	GADSDEN	449500-1-52-01		

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DATE OF SURVEY: MAY 2022
SURVEY MADE BY: ENVIRONMENTAL AND
GEOTECHNICAL SPECIALISTS, INC.
SUBMITTED BY: CRAIG E. DUNKELBERGER, P.E.

STATE OF FLORIDA
DEPARTMENT OF TRANSPORTATION
MATERIALS AND RESEARCH

DISTRICT: THREE
ROAD NO.: SR 10
COUNTY: GADSDEN

FINANCIAL PROJECT ID : 449500-1-52-01
PROJECT NAME: SR 10 (US 90) AT DOVER ROAD

CROSS SECTION SOILS SURVEY FOR THE DESIGN OF STORMWATER PONDS

SURVEY BEGINS STA. : 1587+44 SURVEY ENDS STA. : 1587+56

REFERENCE: Q CONST. DOVER RD.

SIEVE ANALYSIS RESULTS							ATTERBERG				COLOR	DESCRIPTION
PERCENT PASS (%)							LIMITS (%)					
STRATUM LETTER	NO. OF TESTS	10 MESH	40 MESH	60 MESH	100 MESH	200 MESH	NO. OF TESTS	LIQUID LIMIT	PLASTIC INDEX	AASHTO GROUP		
A	2	99-100	75-78	53-58	33-40	18-24	1	18	10	A-2-4	GRAY, BROWN	SILTY FINE SAND
B	2	100	91-98	68-87	39-44	20-34	2	26-47	15-33	A-2-6	GRAY, ORANGE	CLAYEY FINE SAND
C	4	99-100	86-99	75-97	62-85	51-61	4	58-125	36-83	A-7-6	GRAY, ORANGE	HIGHLY PLASTIC SANDY CLAY

EMBANKMENT AND SUBGRADE MATERIAL

STRATA BOUNDARIES ARE APPROXIMATE. MAKE FINAL CHECK AFTER GRADING.

STRATA NOTES

- STRATA BOUNDARIES ARE APPROXIMATE AND REPRESENT SOIL STRATA AT EACH BORING ONLY. ANY SUBSOIL CONNECTING LINES SHOWN ARE FOR ESTIMATING ONLY AND DO NOT INDICATE ACTUAL STRATUM LIMITS. SUBSURFACE VARIATIONS BETWEEN BORINGS SHOULD BE ANTICIPATED.
- REUSE OF MATERIAL ENCOUNTERED SHOULD BE ACCOMPLISHED IN ACCORDANCE WITH FDOT STANDARD PLANS INDEX 120-001, UNLESS OTHERWISE SHOWN IN THE PLANS.
- STRATUM A REPRESENTS A "SELECT" MATERIAL. STRATUM A MAY ONLY BE USED ABOVE THE WATER TABLE. DUE TO THE FINES CONTENT, STRATUM A WILL RETAIN MOISTURE AND MAY BE DIFFICULT TO DRY AND COMPACT.
- STRATUM B REPRESENTS A "PLASTIC" MATERIAL.
- STRATUM C REPRESENTS A "HIGH PLASTIC" MATERIAL.

LEGEND

- SPT SOIL BORING LOCATION
- MEASURED GROUNDWATER LEVEL
- ESTIMATED "NORMAL" SEASONAL
HIGH GROUNDWATER LEVEL
- AASHTO CLASSIFICATION GROUP SYMBOL (A-2-4)

REVISIONS				ENGINEER OF RECORD	STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION			SWMF SOIL SURVEY	SHEET NO.
DATE	DESCRIPTION		DATE	DESCRIPTION	ROAD NO.	COUNTY	FINANCIAL PROJECT ID		
				CRAIG E. DUNKELBERGER, P.E. LICENSE NUMBER: 49932 ENVIRONMENTAL & GEOTECHNICAL SPECIALISTS, INC. 3676 HARTSFIELD ROAD TALLAHASSEE, FLORIDA 32303	SR 10	GADSDEN	449500-1-52-01		35

CRAIG E. DUNKELBERGER, P.E.
LICENSE NUMBER: 49932
ENVIRONMENTAL & GEOTECHNICAL SPECIALISTS, INC.
3676 HARTSFIELD ROAD
TALLAHASSEE, FLORIDA 32303

SR 10

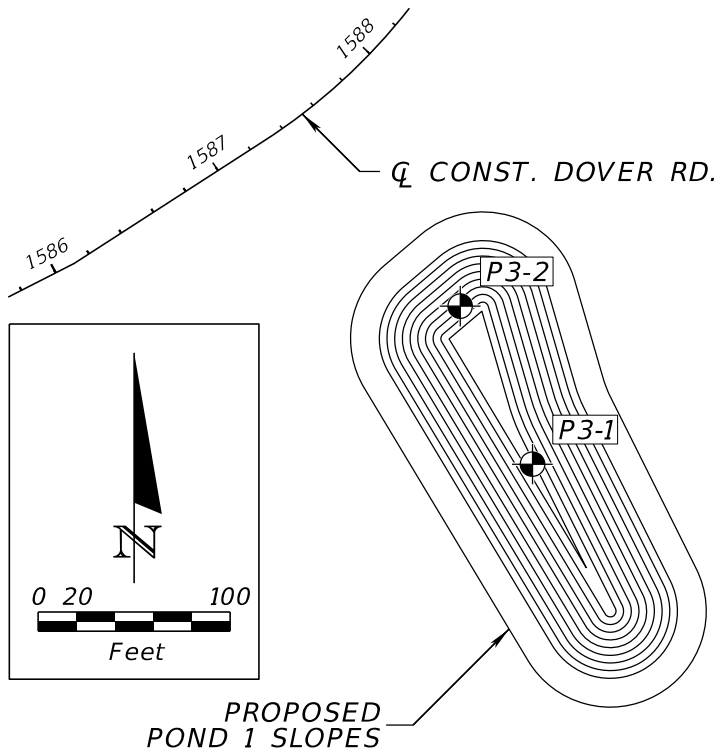
GADSDEN

449500-1-52-01

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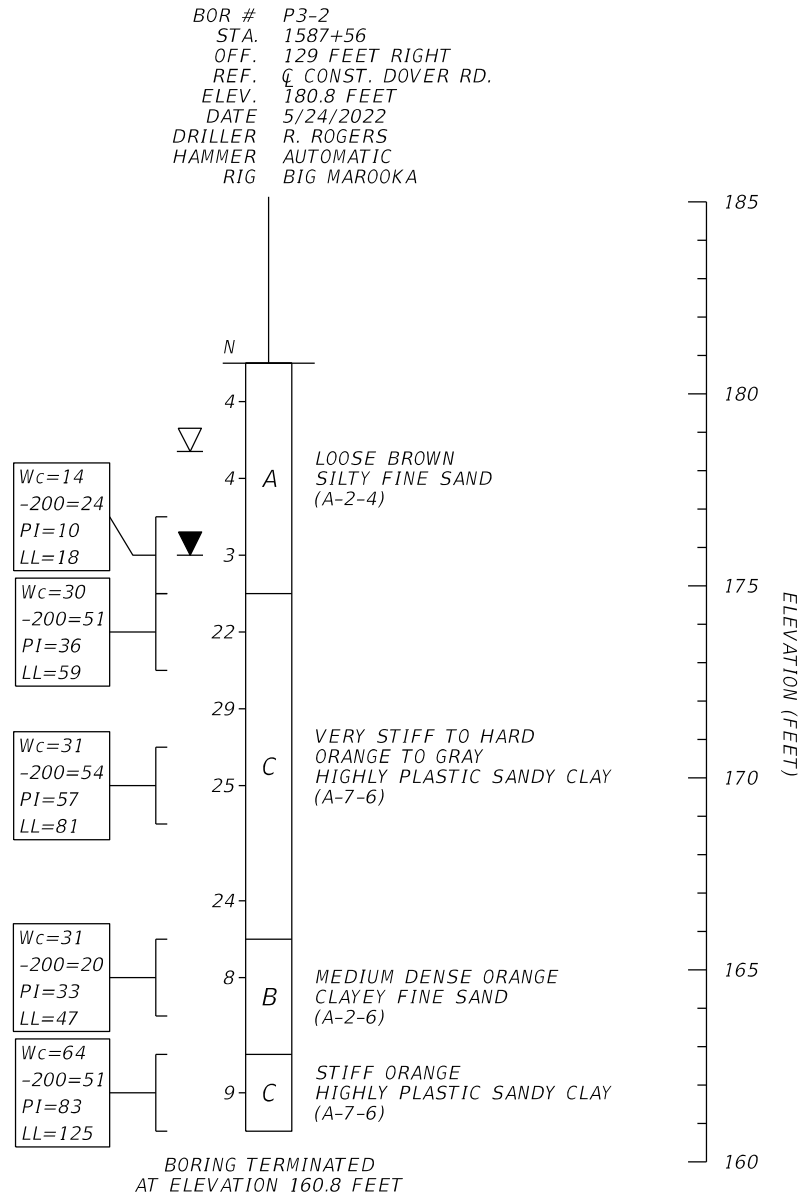
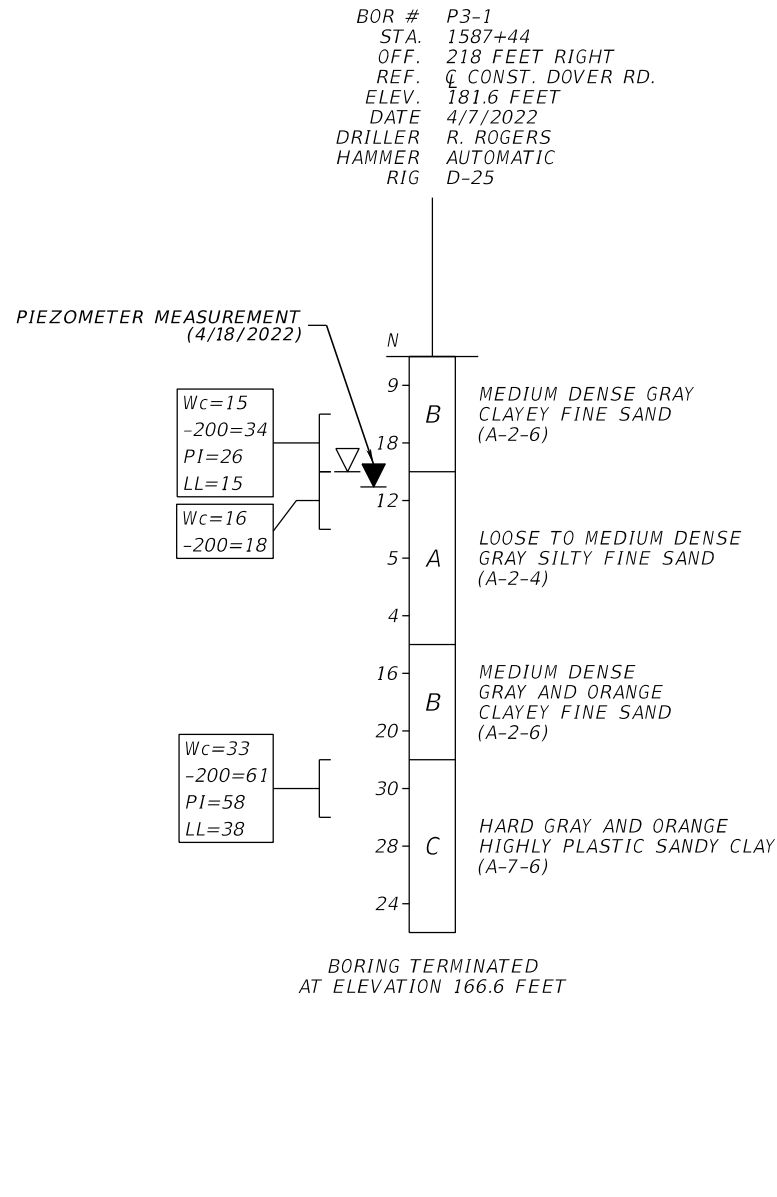
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SOIL BORING LOCATION MAP



NOTES

- LETTERS IN CENTER OF BORINGS INDICATE THE STRATUM LETTER.
- NUMBERS LEFT OF BORING INDICATE STANDARD PENETRATION TEST (SPT) N-VALUES FOR 12 INCH PENETRATION (UNLESS OTHERWISE NOTED).
- N-VALUES DENOTED WITH AN ASTERISK (*) WERE DERIVED FROM STATIC HAND CONE PENETROMETER TESTS.
- MEASURED GROUNDWATER LEVEL SHOWN IS THE WATER LEVEL ENCOUNTERED DURING THE SUBSURFACE INVESTIGATION, EXCEPT WHERE NOTED OTHERWISE. GROUNDWATER LEVEL FLUCTUATIONS SHOULD BE ANTICIPATED.
- SOIL DESCRIPTIONS, TEST DATA, AND STANDARD PENETRATION VALUES SHOWN ARE FOR THE SOIL BORING ONLY AND MAY NOT APPLY TO ANY OTHER LOCATIONS EXCEPT AT THE LOCATIONS OF THE SOIL BORING. EXTRAPOLATION OF THE SOIL DATA TO OTHER LOCATIONS IS THE SOLE RESPONSIBILITY OF THE PERSON PERFORMING THE EXTRAPOLATION.
- ELEVATIONS REFERENCE NAVD 1988 DATUM.



LEGEND

SOIL BORING LOCATION		WATER CONTENT (%) Wc=
MEASURED GROUNDWATER LEVEL		-200 SIEVE -200=
ESTIMATED "NORMAL" SEASONAL HIGH GROUNDWATER LEVEL		PLASTICITY INDEX PI=
LABORATORY TESTING RESULTS		LIQUID LIMIT LL=
		WEIGHT OF HAMMER WOH
		N-VALUE EQUIVALENT *N
		AASHTO SOIL CLASSIFICATION (A-2-4)
		GROUP SYMBOL

AUTOMATIC HAMMER			
GRANULAR MATERIALS RELATIVE DENSITY	SPT (BLOWS/12 IN.)	SILTS AND CLAYS CONSISTENCY	SPT (BLOWS/12 IN.)
VERY LOOSE	LESS THAN 3	VERY SOFT	LESS THAN 1
LOOSE	3 - 8	SOFT	1 - 3
MEDIUM DENSE	8 - 24	FIRM	3 - 6
DENSE	24 - 40	STIFF	6 - 12
VERY DENSE	GREATER THAN 40	VERY STIFF	12 - 24
		HARD	GREATER THAN 24
SPLIT-SPOON: INSIDE DIAMETER: 1.375 in.			
OUTSIDE DIAMETER: 2.0 in.			
AVG. HAMMER DROP: 30.0 in.			
HAMMER WEIGHT: 140 lbs.			

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REVISIONS				ENGINEER OF RECORD	STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION			REPORT OF SWMF BORINGS	SHEET NO.	
DATE	DESCRIPTION		DATE	DESCRIPTION		ROAD NO.	COUNTY		FINANCIAL PROJECT ID	46
						SR 10	GADSDEN		449500-1-52-01	
				CRAIG E. DUNKELBERGER, P.E. P.E. NO.: 49932 ENVIRONMENTAL & GEOTECHNICAL SPECIALISTS, INC. 3676 HARTSFIELD ROAD TALLAHASSEE, FLORIDA 32303						

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DATE OF SURVEY: OCTOBER 2022
SURVEY MADE BY: ENVIRONMENTAL AND GEOTECHNICAL SPECIALISTS, INC.
SUBMITTED BY: CRAIG E. DUNKELBERGER, P.E.

STATE OF FLORIDA
DEPARTMENT OF TRANSPORTATION
MATERIALS AND RESEARCH

DISTRICT: THREE
ROAD NO.: SR 10
COUNTY: GADSDEN

FINANCIAL PROJECT ID : 449500-1-52-01
PROJECT NAME: SR 10 (US 90) AT DOVER ROAD INTERSECTION IMPROVEMENTS

CROSS SECTION SOILS SURVEY FOR THE DESIGN OF ROADS

REFERENCE: Q CONST. DOVER ROAD SURVEY BEGINS STA. : 1587+01 SURVEY ENDS STA. : 1600+16
REFERENCE: B SURVEY SR 10 SURVEY BEGINS STA. : 507+00 SURVEY ENDS STA. : 517+00

STRATUM NO.	ORGANIC CONTENT			SIEVE ANALYSIS RESULTS PERCENT PASS (%)						ATTERBERG LIMITS (%)				CORROSION SERIES						
	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	DESCRIPTION	NO. OF TESTS	RESISTIVITY ohm-cm	CHLORIDES ppm	SULFATES ppm	pH	
1	--	--	--	9	96-100	65-88	42-69	21-35	8-14	--	--	--	A-3, A-2-4	GRAY, BROWN	FINE SAND, SILTY FINE SAND (<15% PASSING #200 SIEVE)	1	17,000	30	3	7.7
2	--	--	--	24	93-100	69-90	46-64	26-41	15-26	4	16-27	3-8	A-2-4	GRAY, ORANGE, BROWN	SILTY FINE SAND (≥15% PASSING #200 SIEVE)	1	22,000	45	<1	7.3
3	--	--	--	22	97-100	60-99	43-96	36-84	25-55	20	19-49	6-33	A-2-5, A-2-6, A-4, A-6, A-7-6	ORANGE, GRAY, BROWN	CLAYEY FINE SAND, CLAYEY SAND, SILTY SAND, SANDY CLAY	1	8,700	60	21	6.4
4	--	--	--	52	98-100	83-100	56-100	29-100	21-99	47	50-195	8-130	A-7-6, A-7-5, A-2-7	ORANGE, GRAY, BROWN	HIGHLY PLASTIC CLAY, HIGHLY PLASTIC SILT, HIGHLY PLASTIC CLAYEY FINE SAND	1	7,000	105	<1	4.1
5	18	5.4-19.2	24-161	10	98-100	79-98	54-97	33-96	23-94	--	--	--	A-2-6, A-6, A-7-6	DARK GRAY, BLACK	ORGANIC CLAYEY SAND, ORGANIC CLAY	--	--	--	--	--

STRATA NOTES

- STRATA BOUNDARIES ARE APPROXIMATE AND REPRESENT SOIL STRATA AT EACH BORING ONLY. ANY SUBSOIL CONNECTING LINES SHOWN ARE FOR ESTIMATING ONLY AND DO NOT INDICATE ACTUAL STRATUM LIMITS. SUBSURFACE VARIATIONS BETWEEN BORINGS SHOULD BE ANTICIPATED.
- REMOVAL OF MATERIAL ENCOUNTERED SHALL BE ACCOMPLISHED IN ACCORDANCE WITH FDOT STANDARD PLANS INDEX 120-002, UNLESS OTHERWISE SHOWN ON THE PLANS.
- MATERIALS UTILIZED IN EMBANKMENT CONSTRUCTION SHALL BE "SELECT" SOIL IN ACCORDANCE WITH FDOT STANDARD PLANS INDEX 120-001.
- STRATUM 1 REPRESENTS A "SELECT" MATERIAL.
- STRATUM 2 REPRESENTS A "SELECT" MATERIAL. STRATUM 2 MAY ONLY BE USED ABOVE THE WATER TABLE. DUE TO THE FINES CONTENT, STRATUM 2 WILL RETAIN MOISTURE AND MAY BE DIFFICULT TO DRY AND COMPACT.
- STRATUM 3 REPRESENTS A "PLASTIC" MATERIAL.
- STRATUM 4 REPRESENTS A "HIGH PLASTIC" MATERIAL.
- STRATUM 5 REPRESENTS AN "ORGANIC" MATERIAL. SEE ORGANIC SOIL REMOVAL LIMITS & GEOSYNTHETIC REINFORCEMENT PLAN SHEET FOR LOCATIONS OF ORGANIC SOIL SAMPLES.

LEGEND

- GNE GROUNDWATER NOT ENCOUNTERED
▼ MEASURED GROUNDWATER LEVEL
▽ ESTIMATED "NORMAL" SEASONAL HIGH GROUNDWATER LEVEL

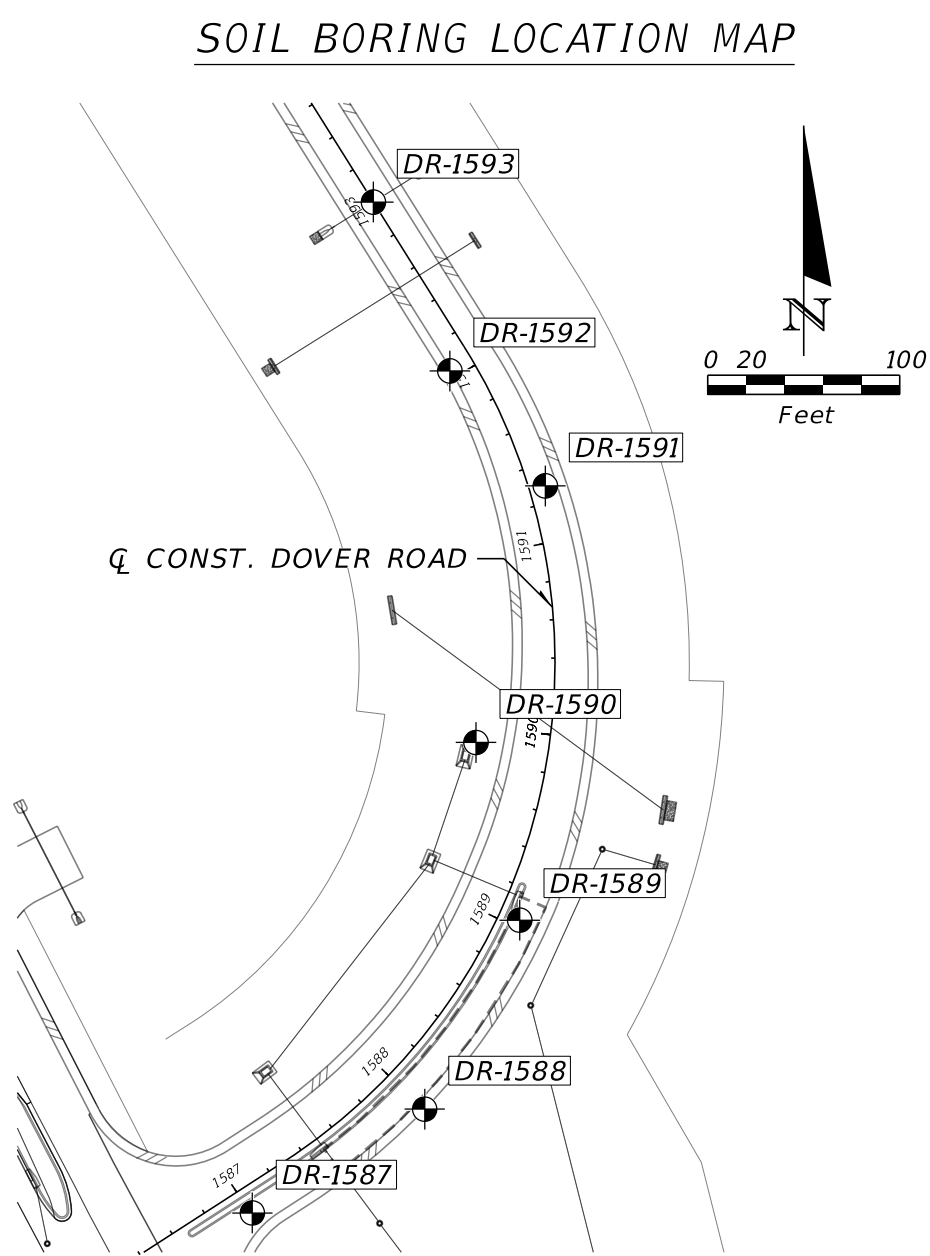
REVISIONS				ENGINEER OF RECORD		STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION			ROADWAY SOIL SURVEY	SHEET NO. 47
DATE	DESCRIPTION		DATE	DESCRIPTION		ROAD NO.	COUNTY	FINANCIAL PROJECT ID		
						SR 10	GADSDEN	449500-1-52-01		

CRAIG E. DUNKELBERGER, P.E.
LICENSE NUMBER: 49932
ENVIRONMENTAL & GEOTECHNICAL SPECIALIST, INC.
3676 HARTSFIELD ROAD
TALLAHASSEE, FLORIDA 32303

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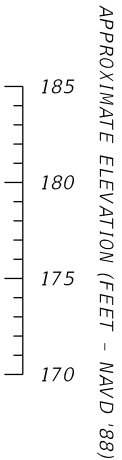
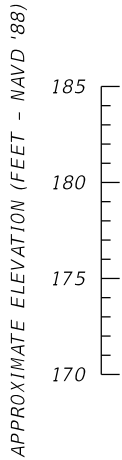
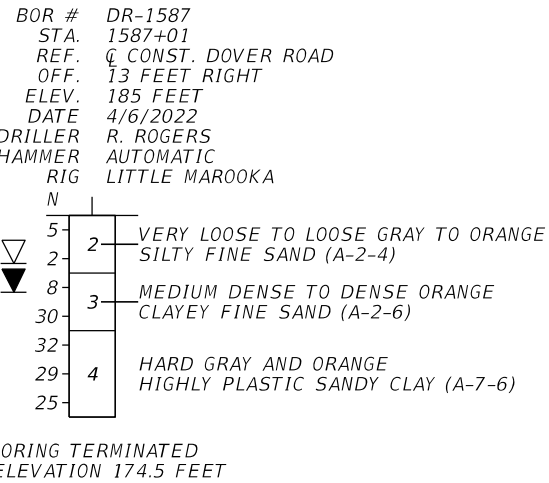


LEGEND

SOIL BORING LOCATION		N-VALUE EQUIVALENT (NOTE 2)	*N
MEASURED GROUNDWATER LEVEL		WEIGHT OF HAMMER	WOH
ESTIMATED "NORMAL" SEASONAL HIGH GROUNDWATER LEVEL		WATER CONTENT (%)	Wc=
LABORATORY TESTING RESULTS		-200 SIEVE	-200=
		LIQUID LIMIT	LL=
		PLASTICITY INDEX	PI=
		AASHTO SOIL CLASSIFICATION GROUP SYMBOL	(A-2-4)

NOTES

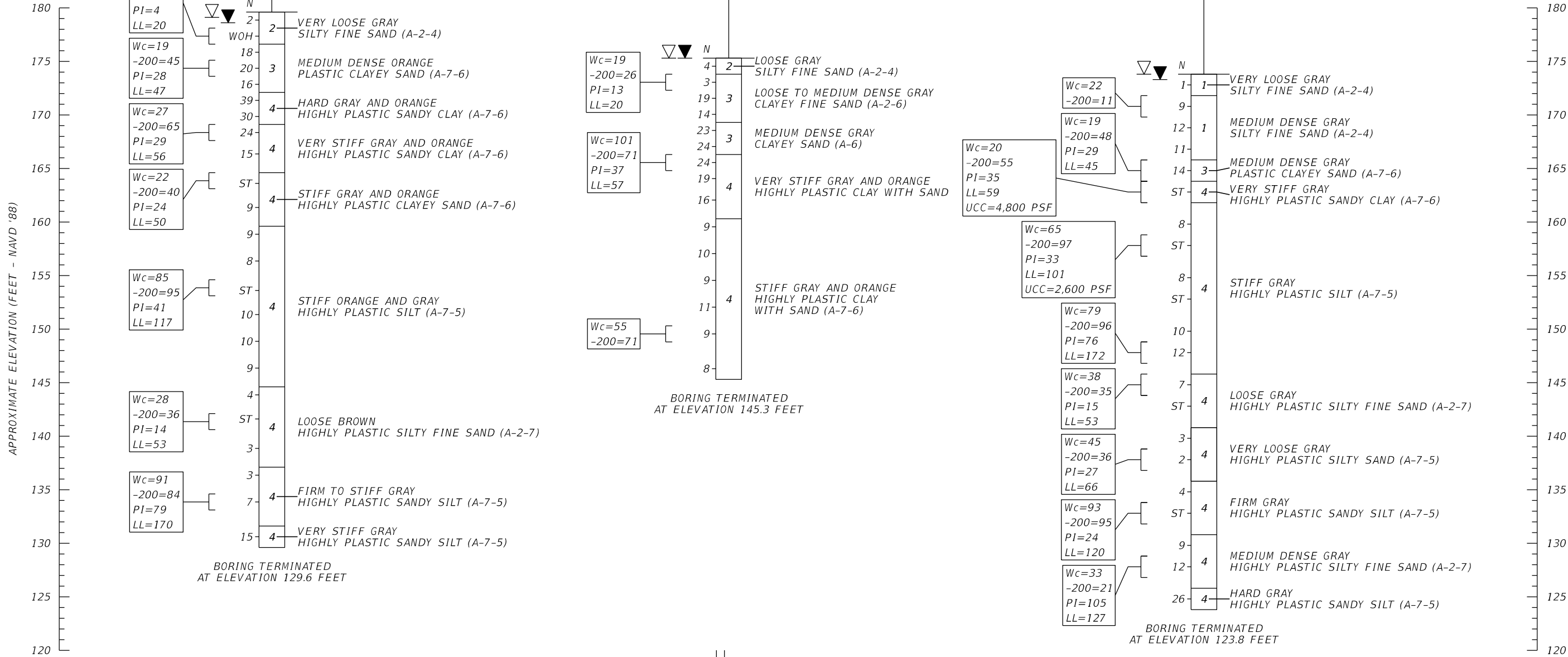
- NUMBERS IN CENTER OF BORINGS INDICATE THE STRATUM NUMBER.
- NUMBERS LEFT OF BORING INDICATE STANDARD PENETRATION TEST (SPT) N-VALUES FOR 12 INCH PENETRATION (UNLESS OTHERWISE NOTED).
- N-VALUES DENOTED WITH AN ASTERISK (*) WERE DERIVED FROM STATIC HAND CONE PENETROMETER TESTS.
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AUTOMATIC HAMMER			
GRANULAR MATERIALS RELATIVE DENSITY	SPT (BLOWS/12 IN.)	SILTS AND CLAYS CONSISTENCY	SPT (BLOWS/12 IN.)
VERY LOOSE	LESS THAN 3	VERY SOFT	LESS THAN 1
LOOSE	3 - 8	SOFT	1 - 3
MEDIUM DENSE	8 - 24	FIRM	3 - 6
DENSE	24 - 40	STIFF	6 - 12
VERY DENSE	GREATER THAN 40	VERY STIFF HARD	12 - 24 GREATER THAN 24

SPLIT-SPOON: INSIDE DIAMETER: 1.375 in.
OUTSIDE DIAMETER: 2.0 in.
AVG. HAMMER DROP: 30.0 in.
HAMMER WEIGHT: 140 lbs.

REVISIONS				ENGINEER OF RECORD	STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION			REPORT OF SOIL BORINGS	SHEET NO.	
DATE	DESCRIPTION		DATE	DESCRIPTION	CRAIG E. DUNKELBERGER, P.E. LICENSE NUMBER: 49932 ENVIRONMENTAL & GEOTECHNICAL SPECIALISTS, INC. 3676 HARTSFIELD ROAD TALLAHASSEE, FLORIDA 32303	ROAD NO.	COUNTY		FINANCIAL PROJECT ID	48
						SR 10	GADSDEN	449500-1-52-01		



LEGEND

SOIL BORING LOCATION		N-VALUE EQUIVALENT (NOTE 2)	*N
MEASURED GROUNDWATER LEVEL		WEIGHT OF HAMMER	WOH
ESTIMATED "NORMAL" SEASONAL HIGH GROUNDWATER LEVEL		WATER CONTENT (%)	Wc=
		-200 SIEVE	-200=
		LIQUID LIMIT	LL=
		PLASTICITY INDEX	PI=
LABORATORY TESTING RESULTS		UNCONFINED COMPRESSIVE STRENGTH	UCC=
		AASHTO SOIL CLASSIFICATION GROUP SYMBOL	(A-2-4)

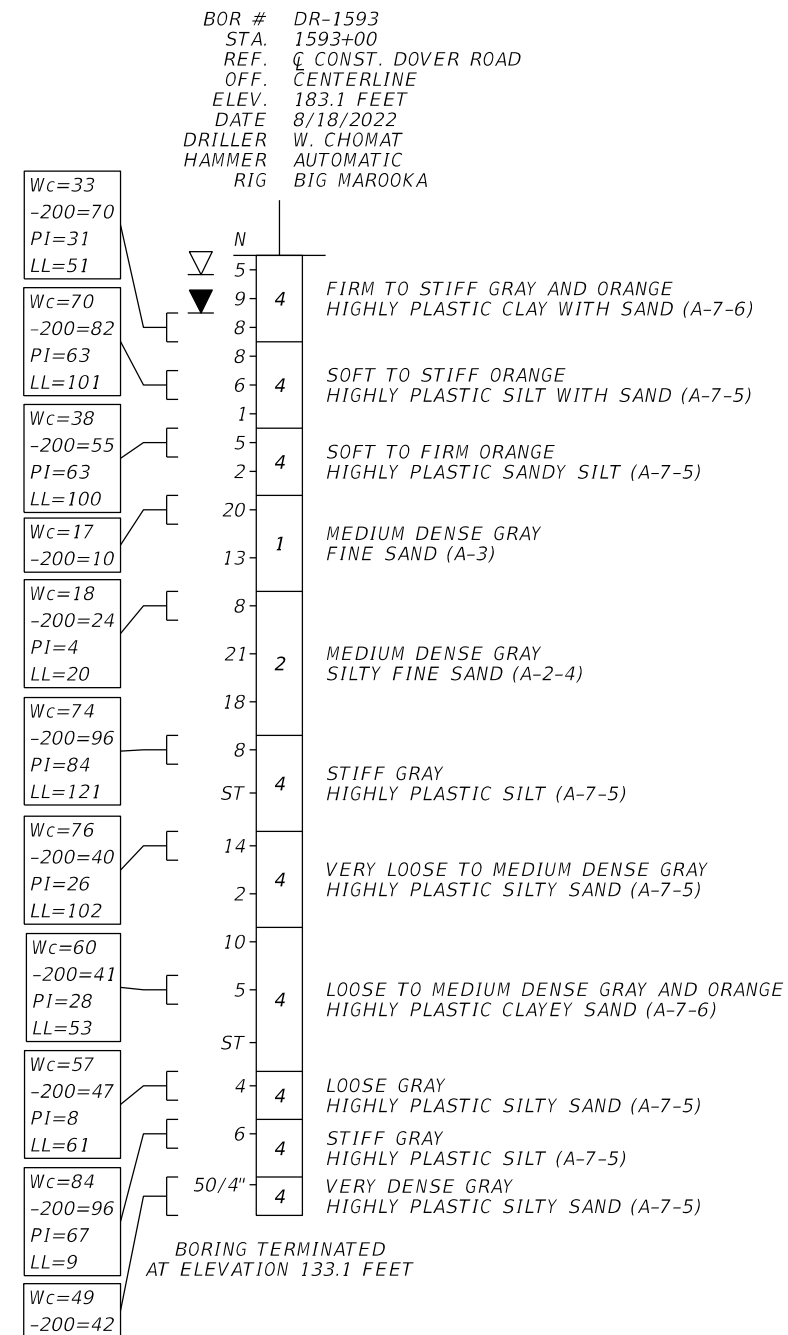
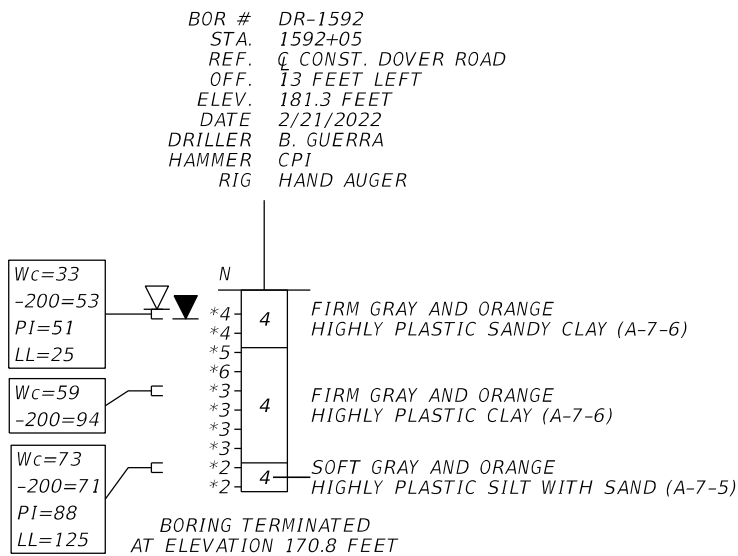
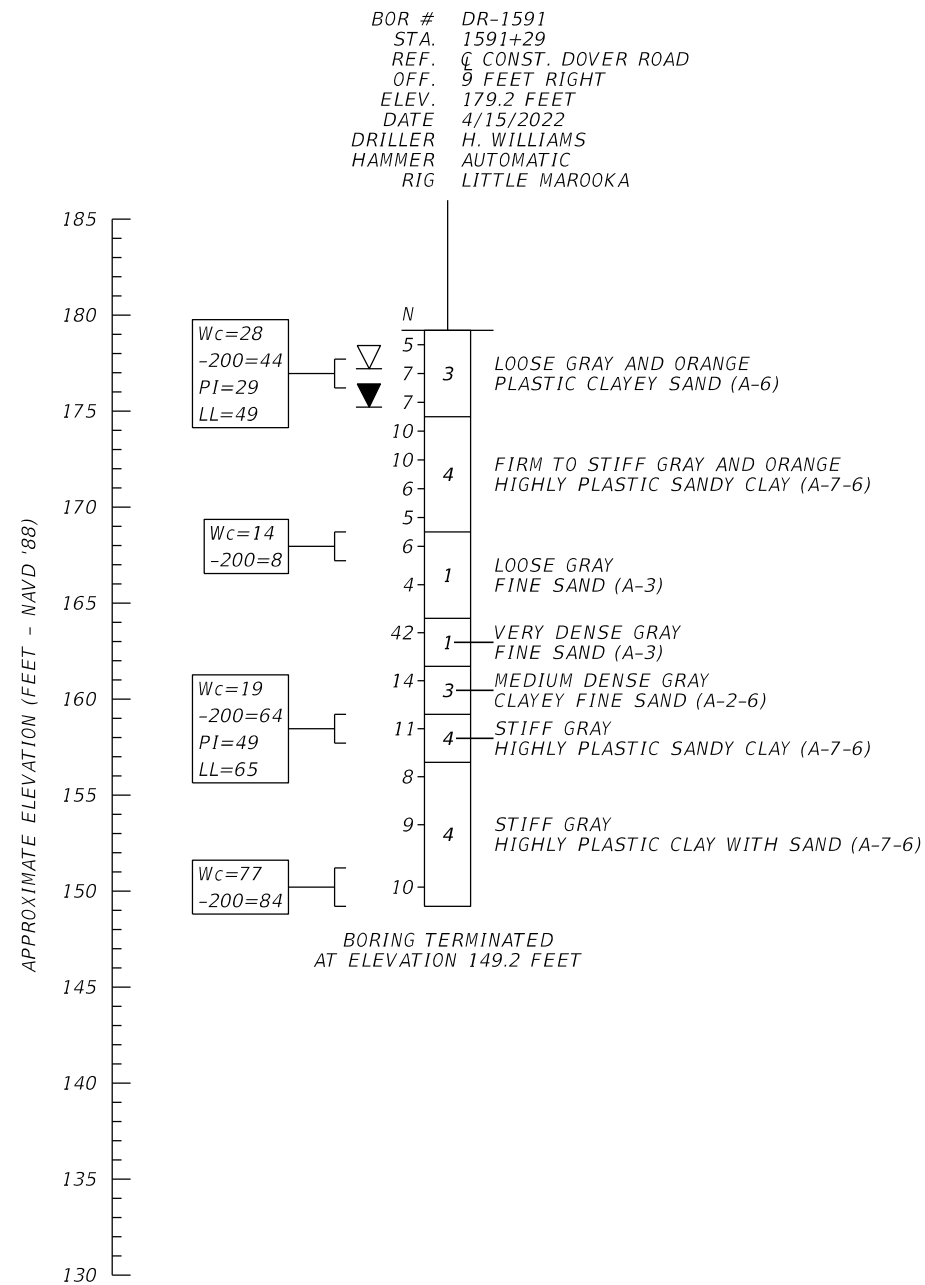
NOTES

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- NUMBERS LEFT OF BORING INDICATE STANDARD PENETRATION TEST (SPT) N-VALUES FOR 12 INCH PENETRATION (UNLESS OTHERWISE NOTED).
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AUTOMATIC HAMMER			
GRANULAR MATERIALS RELATIVE DENSITY	SPT (BLOWS/12 IN.)	SILTS AND CLAYS CONSISTENCY	SPT (BLOWS/12 IN.)
VERY LOOSE	LESS THAN 3	VERY SOFT	LESS THAN 1
LOOSE	3 - 8	SOFT	1 - 3
MEDIUM DENSE	8 - 24	FIRM	3 - 6
DENSE	24 - 40	STIFF	6 - 12
VERY DENSE	GREATER THAN 40	VERY STIFF	12 - 24
		HARD	GREATER THAN 24

SPLIT-SPOON: INSIDE DIAMETER: 1.375 in.
OUTSIDE DIAMETER: 2.0 in.
AVG. HAMMER DROP: 30.0 in.
HAMMER WEIGHT: 140 lbs.

REVISIONS				ENGINEER OF RECORD	STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION			REPORT OF SOIL BORINGS	SHEET NO.
DATE	DESCRIPTION	DATE	DESCRIPTION	CRAIG E. DUNKELBERGER, P.E. LICENSE NUMBER: 49932 ENVIRONMENTAL & GEOTECHNICAL SPECIALISTS, INC. 3676 HARTSFIELD ROAD TALLAHASSEE, FLORIDA 32303	ROAD NO.	COUNTY	FINANCIAL PROJECT ID		49
					SR 10	GADSDEN	449500-1-52-01		



LEGEND

SOIL BORING LOCATION

MEASURED GROUNDWATER LEVEL

ESTIMATED "NORMAL" SEASONAL
HIGH GROUNDWATER LEVEL

LABORATORY TESTING RESULTS



N-VALUE EQUIVALENT (NOTE 2)

WEIGHT OF HAMMER

WATER CONTENT (%)

-200 SIEVE
LIQUID LIMIT

PLASTICITY INDEX

AASHTO SOIL CLASSIFICATION
GROUP SYMBOL

 $\ast N$

WOH

$$W_C =$$
$$\begin{aligned} -200 &= \\ 11 &= \end{aligned}$$
$$PI =$$

(A-2-4

NOTES

1. NUMBERS IN CENTER OF BORINGS INDICATE THE STRATUM NUMBER.
2. NUMBERS LEFT OF BORING INDICATE STANDARD PENETRATION TEST (SPT) N-VALUES FOR 12 INCH PENETRATION (UNLESS OTHERWISE NOTED).
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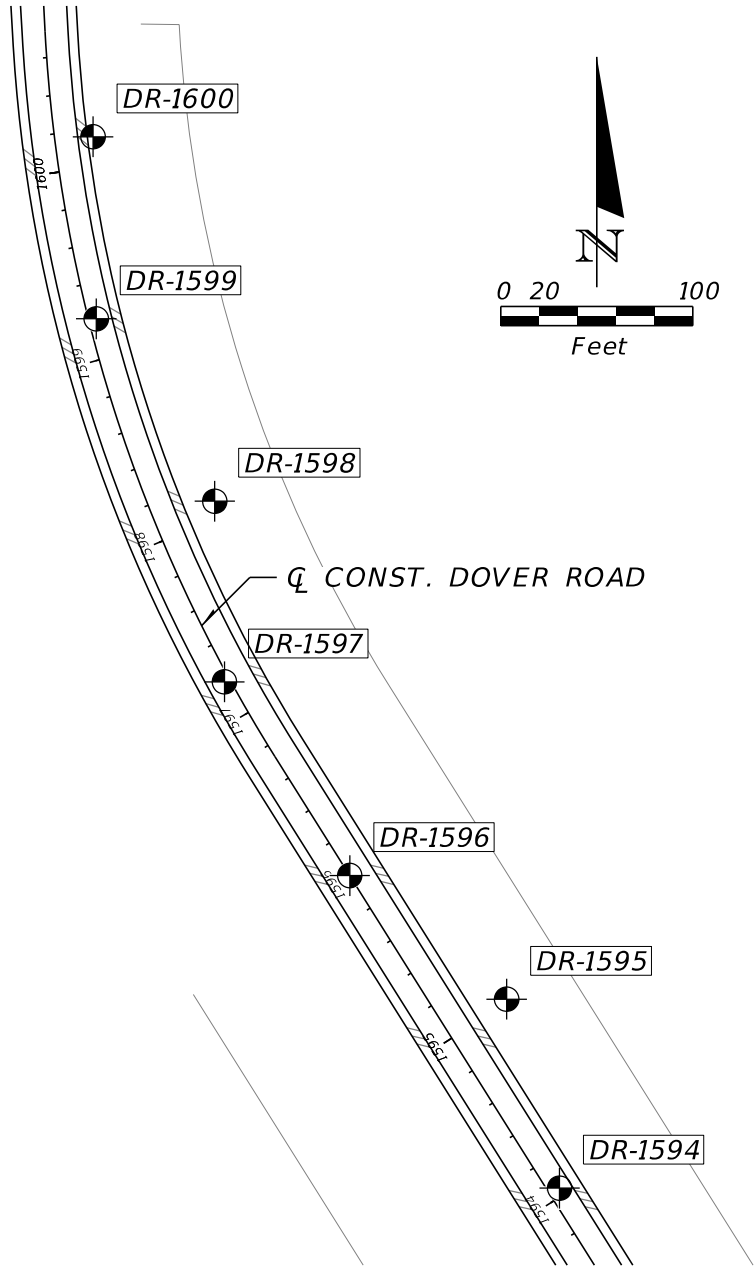
AUTOMATIC HAMMER			
GRANULAR MATERIALS RELATIVE DENSITY	SPT (BLOWS/12 IN.)	SILTS AND CLAYS CONSISTENCY	SPT (BLOWS/12 IN.)
VERY LOOSE	LESS THAN 3	VERY SOFT	LESS THAN 1
LOOSE	3 - 8	SOFT	1 - 3
MEDIUM DENSE	8 - 24	FIRM	3 - 6
DENSE	24 - 40	STIFF	6 - 12
VERY DENSE	GREATER THAN 40	VERY STIFF HARD	12 - 24 GREATER THAN 24

*SPLIT-SPOON: INSIDE DIAMETER: 1.375 in.
OUTSIDE DIAMETER: 2.0 in.
AVG. HAMMER DROP: 30.0 in.
HAMMER WEIGHT: 140 lbs.*

REVISONS				ENGINEER OF RECORD	STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION			REPORT OF SOIL BORINGS	SHEET NO.
DATE	DESCRIPTION	DATE	DESCRIPTION	CRAIG E. DUNKELBERGER, P.E. LICENSE NUMBER: 49932 ENVIRONMENTAL & GEOTECHNICAL SPECIALISTS, INC. 3676 HARTSFIELD ROAD TALLAHASSEE, FLORIDA 32303	ROAD NO.	COUNTY	FINANCIAL PROJECT ID		50
					SR 10	GADSDEN	449500-1-52-01		

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SOIL BORING LOCATION MAP



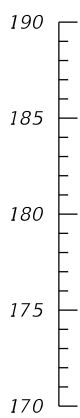
LEGEND

SOIL BORING LOCATION
MEASURED GROUNDWATER LEVEL
ESTIMATED "NORMAL" SEASONAL
HIGH GROUNDWATER LEVEL
LABORATORY TESTING RESULTS



N-VALUE EQUIVALENT (NOTE 2)
WEIGHT OF HAMMER
Wc=
WATER CONTENT (%)
-200 SIEVE
LIQUID LIMIT
LL=
PLASTICITY INDEX
PI=
AASHTO SOIL CLASSIFICATION
GROUP SYMBOL (A-2-4)

APPROXIMATE ELEVATION (FEET - NAVD '88)



Wc=37
-200=45
PI=33
LL=48
Wc=55
-200=82
PI=64
LL=114
Wc=15
-200=43

BOR # DR-1594
STA. 1594+04
REF. Q CONST. DOVER ROAD
OFF. 6 FEET RIGHT
ELEV. 184.7 FEET
DATE 2/21/2022
DRILLER H. WILLIAMS
HAMMER CPI
RIG HAND AUGER

N
*5
*12
*12
*3
*4
*4
*4
*4
*3
*2

3
4
3

LOOSE TO MEDIUM DENSE BROWN
PLASTIC CLAYEY SAND (A-6)
FIRM BROWN
HIGHLY PLASTIC SILT WITH SAND (A-7-5)
LOOSE GRAY
CLAYEY SAND (A-6)

BORING TERMINATED
AT ELEVATION 173.2 FEET

BOR # DR-1595
STA. 1595+02
REF. Q CONST. DOVER ROAD
OFF. 35 FEET RIGHT
ELEV. 186.6 FEET
DATE 2/21/2022
DRILLER H. WILLIAMS
HAMMER CPI
RIG HAND AUGER

Wc=15
-200=41
PI=20
LL=37

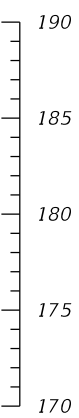
N
*9
*3
*3
*3
*3
*3

3
3
3

MEDIUM DENSE BROWN
CLAYEY SAND (A-6)
LOOSE BROWN
CLAYEY SAND (A-6)

BORING TERMINATED
AT ELEVATION 179.1 FEET

APPROXIMATE ELEVATION (FEET - NAVD '88)



NOTES

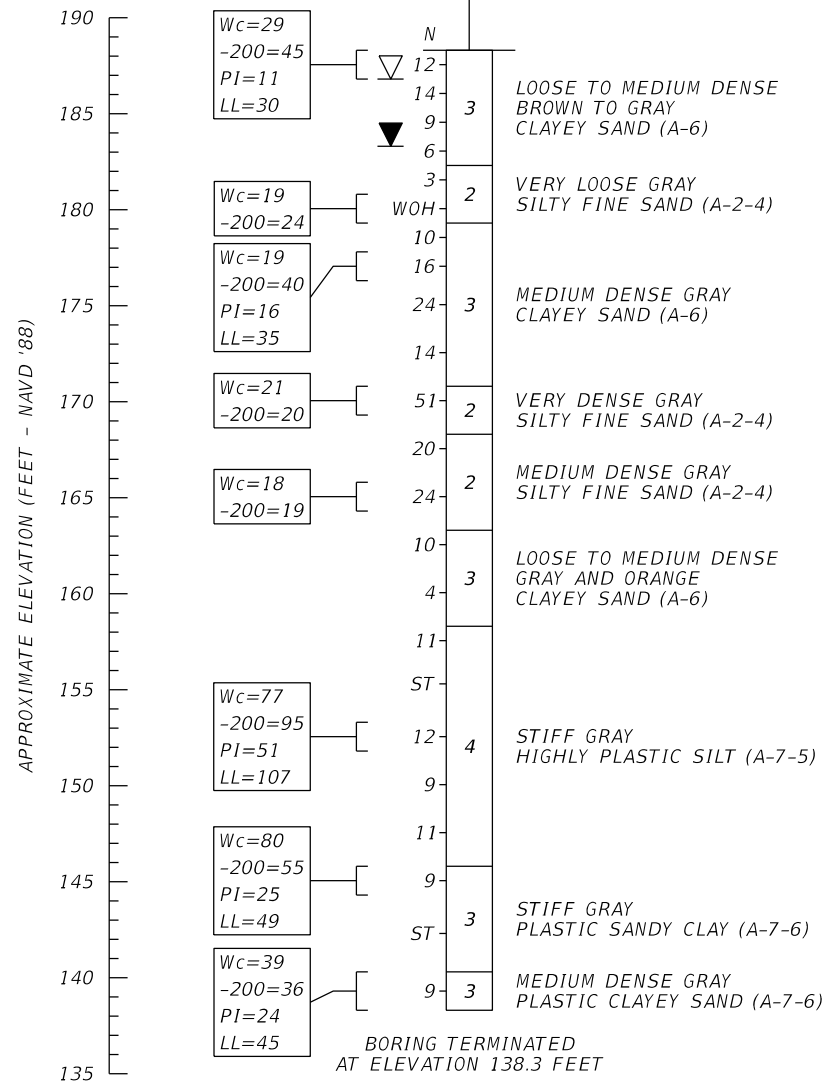
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LOOSE	3 - 8	SOFT	1 - 3
MEDIUM DENSE	8 - 24	FIRM	3 - 6
DENSE	24 - 40	STIFF	6 - 12
VERY DENSE	GREATER THAN 40	VERY STIFF HARD	12 - 24 GREATER THAN 24

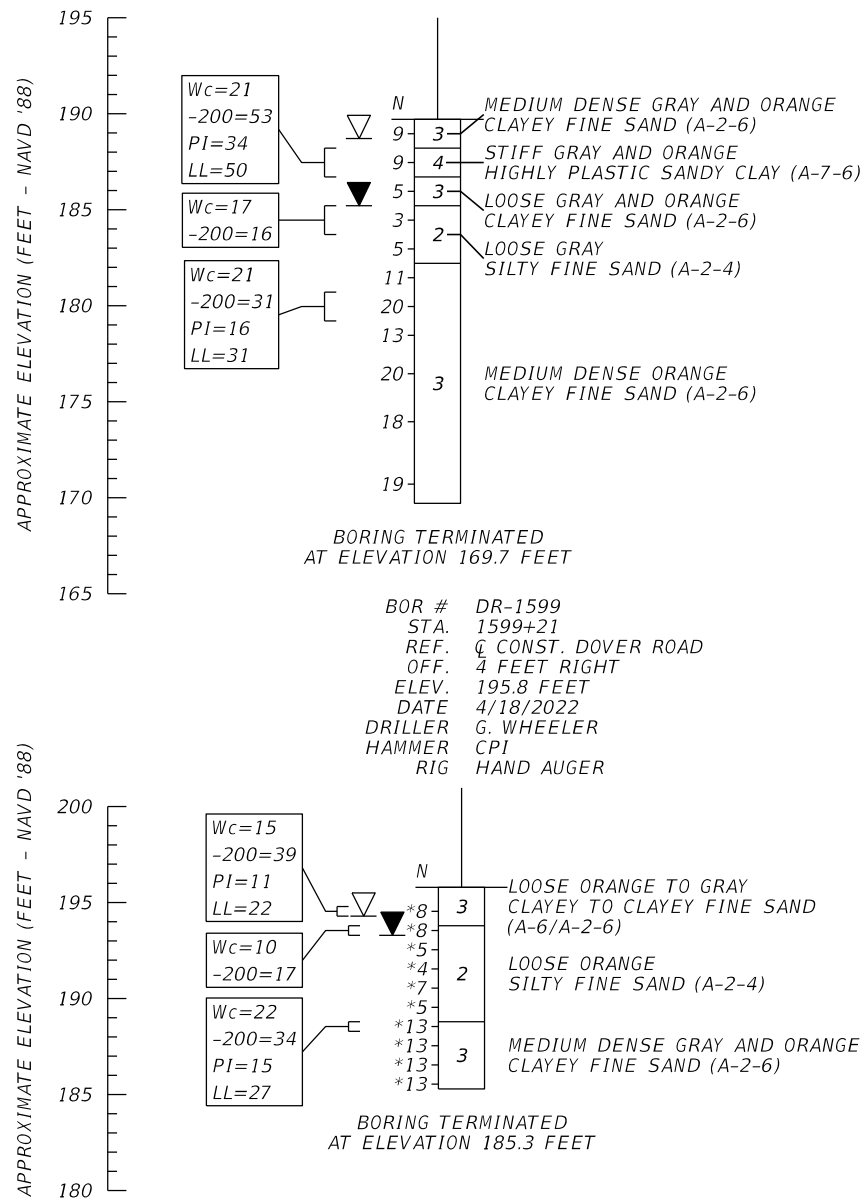
SPLIT-SPOON: INSIDE DIAMETER: 1.375 in.
OUTSIDE DIAMETER: 2.0 in.
AVG. HAMMER DROP: 30.0 in.
HAMMER WEIGHT: 140 lbs.

REVISIONS				ENGINEER OF RECORD	STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION			REPORT OF SOIL BORINGS	SHEET NO.	
DATE	DESCRIPTION		DATE	DESCRIPTION	CRAIG E. DUNKELBERGER, P.E. LICENSE NUMBER: 49932 ENVIRONMENTAL & GEOTECHNICAL SPECIALISTS, INC. 3676 HARTSFIELD ROAD TALLAHASSEE, FLORIDA 32303	ROAD NO.	COUNTY		FINANCIAL PROJECT ID	51
						SR 10	GADSDEN		449500-1-52-01	

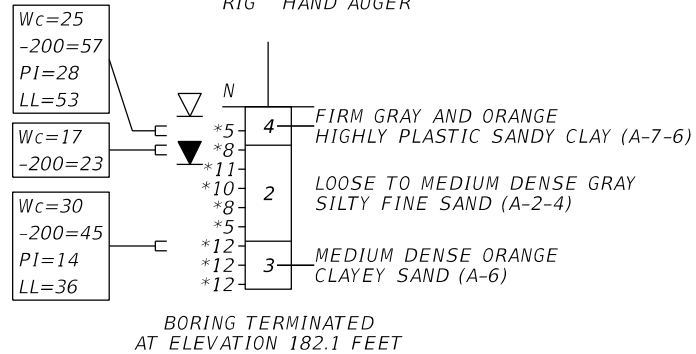
BOR # DR-1596
STA. 1596+00
REF. C CONST. DOVER ROAD
OFF. CENTERLINE
ELEV. 188.3 FEET
DATE 8/17/2022
DRILLER W. CHOMAT
HAMMER AUTOMATIC
RIG BIG MAROOKA



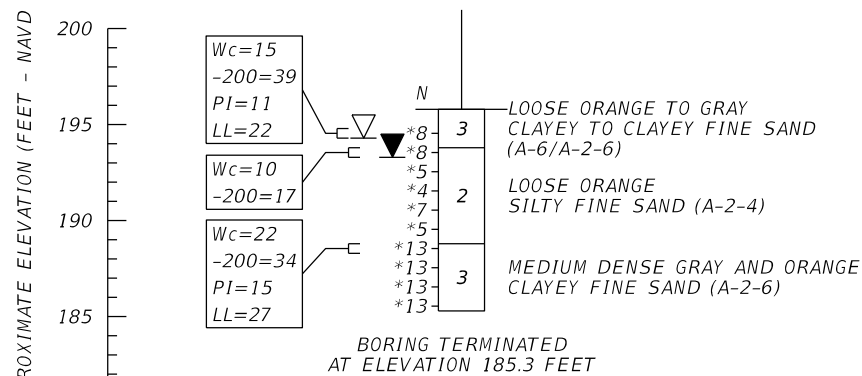
BOR # DR-1597
STA. 1597+20
REF. C CONST. DOVER ROAD
OFF. 3 FEET LEFT
ELEV. 189.7 FEET
DATE 4/12/2022
DRILLER W. JOCHIM
HAMMER AUTOMATIC
RIG BIG MAROOKA



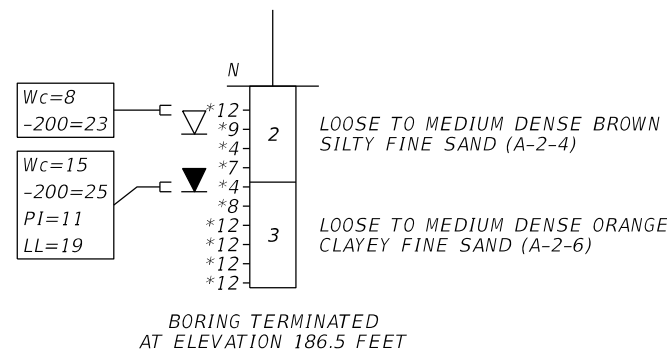
BOR # DR-1598
STA. 1598+09
REF. C CONST. DOVER ROAD
OFF. 33 FEET RIGHT
ELEV. 191.6 FEET
DATE 2/21/2022
DRILLER D. SORENSON
HAMMER CPI
RIG HAND AUGER



BOR # DR-1599
STA. 1599+21
REF. C CONST. DOVER ROAD
OFF. 4 FEET RIGHT
ELEV. 195.8 FEET
DATE 4/18/2022
DRILLER G. WHEELER
HAMMER CPI
RIG HAND AUGER



BOR # DR-1600
STA. 1600+16
REF. C CONST. DOVER ROAD
OFF. 20 FEET RIGHT
ELEV. 197 FEET
DATE 2/21/2022
DRILLER H. WILLIAMS
HAMMER CPI
RIG HAND AUGER



NOTES

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LOOSE	3 - 8	SOFT	1 - 3
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DENSE	24 - 40	STIFF	6 - 12
VERY DENSE	GREATER THAN 40	VERY STIFF HARD	12 - 24 GREATER THAN 24

SPLIT-SPOON: INSIDE DIAMETER: 1.375 in.
OUTSIDE DIAMETER: 2.0 in.
AVG. HAMMER DROP: 30.0 in.
HAMMER WEIGHT: 140 lbs.

LEGEND

SOIL BORING LOCATION
MEASURED GROUNDWATER LEVEL
ESTIMATED "NORMAL" SEASONAL
HIGH GROUNDWATER LEVEL
LABORATORY TESTING RESULTS

N-VALUE EQUIVALENT (NOTE 2)
WEIGHT OF HAMMER
WATER CONTENT (%)
-200 SIEVE
LIQUID LIMIT
PLASTICITY INDEX
AASHTO SOIL CLASSIFICATION
GROUP SYMBOL

*N
WOH
Wc=
-200=
LL=
PI=
(A-2-4)

REVISIONS

ENGINEER OF RECORD

STATE OF FLORIDA
DEPARTMENT OF TRANSPORTATION

ROAD NO. COUNTY FINANCIAL PROJECT ID
SR 10 GADSDEN 449500-1-52-01

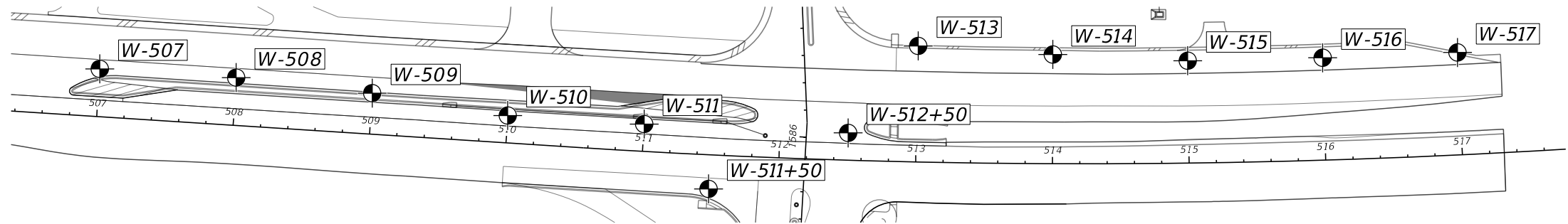
REPORT OF SOIL BORINGS

SHEET
NO.

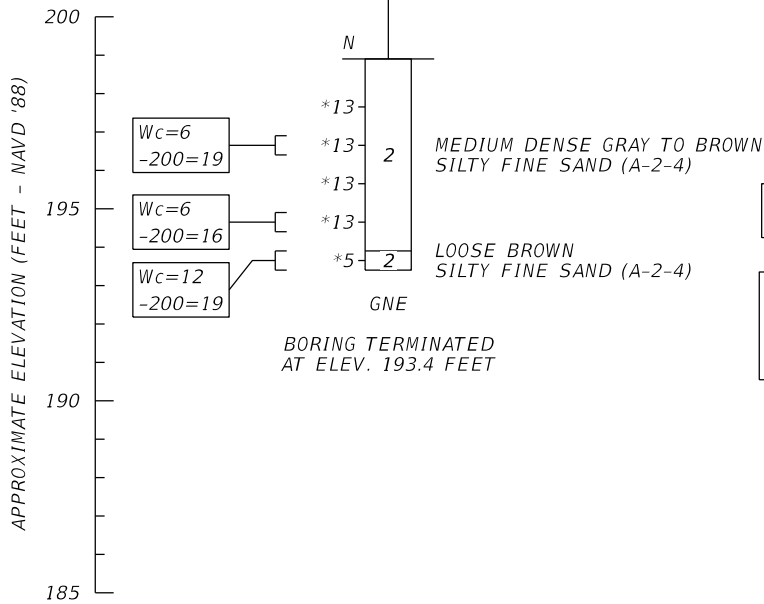
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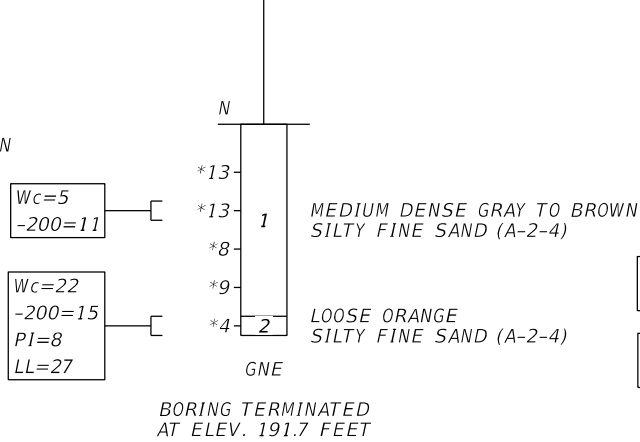
SOIL BORING LOCATION MAP



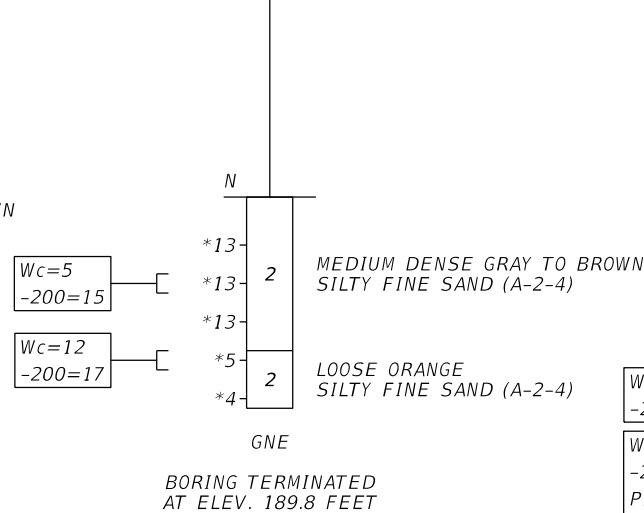
BOR # W-507
STA. 507+00
REF. C CONST. DOVER ROAD
OFF. 35 FEET LEFT
ELEV. 198.9 FEET
DATE 6/6/2022
DRILLER G. WHEELER
HAMMER CPI
RIG HAND AUGER



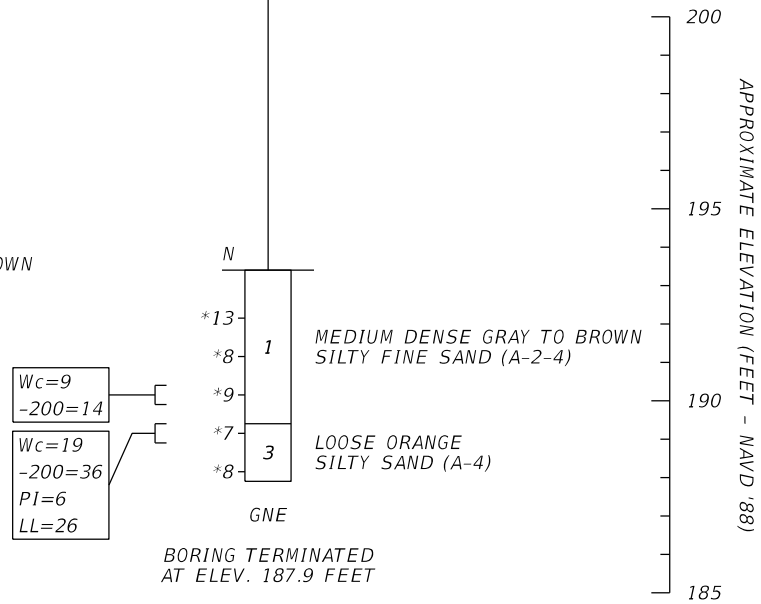
BOR # W-508
STA. 508+00
REF. C CONST. DOVER ROAD
OFF. 35 FEET LEFT
ELEV. 197.2 FEET
DATE 6/6/2022
DRILLER G. WHEELER
HAMMER CPI
RIG HAND AUGER



BOR # W-509
STA. 509+00
REF. C CONST. DOVER ROAD
OFF. 350 FEET LEFT
ELEV. 195.3 FEET
DATE 6/6/2022
DRILLER G. WHEELER
HAMMER CPI
RIG HAND AUGER



BOR # W-510
STA. 510+00
REF. C CONST. DOVER ROAD
OFF. 20 FEET LEFT
ELEV. 193.4 FEET
DATE 6/6/2022
DRILLER G. WHEELER
HAMMER CPI
RIG HAND AUGER



LEGEND

SOIL BORING LOCATION
MEASURED GROUNDWATER LEVEL
ESTIMATED "NORMAL" SEASONAL HIGH GROUNDWATER LEVEL
LABORATORY TESTING RESULTS

N-VALUE EQUIVALENT (NOTE 2)
GROUNDWATER NOT ENCOUNTERED
WATER CONTENT (%)
-200 SIEVE
LIQUID LIMIT
PLASTICITY INDEX
AASHTO SOIL CLASSIFICATION GROUP SYMBOL

NOTES

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AUTOMATIC HAMMER			
GRANULAR MATERIALS RELATIVE DENSITY	SPT (BLOWS/12 IN.)	SILTS AND CLAYS CONSISTENCY	SPT (BLOWS/12 IN.)
VERY LOOSE	LESS THAN 3	VERY SOFT	LESS THAN 1
LOOSE	3 - 8	SOFT	1 - 3
MEDIUM DENSE	8 - 24	FIRM	3 - 6
DENSE	24 - 40	STIFF	6 - 12
VERY DENSE	GREATER THAN 40	VERY STIFF HARD	12 - 24 GREATER THAN 24

SPLIT-SPOON: INSIDE DIAMETER: 1.375 in.
OUTSIDE DIAMETER: 2.0 in.
AVG. HAMMER DROP: 30.0 in.
HAMMER WEIGHT: 140 lbs.

REVISIONS				ENGINEER OF RECORD			STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION			SHEET NO.
DATE	DESCRIPTION	DATE	DESCRIPTION	CRAIG E. DUNKELBERGER, P.E. LICENSE NUMBER: 49932 ENVIRONMENTAL & GEOTECHNICAL SPECIALISTS, INC. 3676 HARTSFIELD ROAD TALLAHASSEE, FLORIDA 32303			ROAD NO.	COUNTY	FINANCIAL PROJECT ID	
							SR 10	GADSDEN	449500-1-52-01	

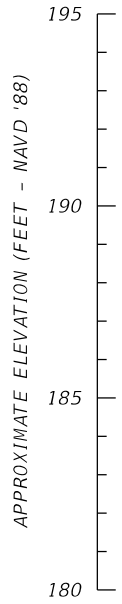
REPORT OF SOIL BORINGS

53

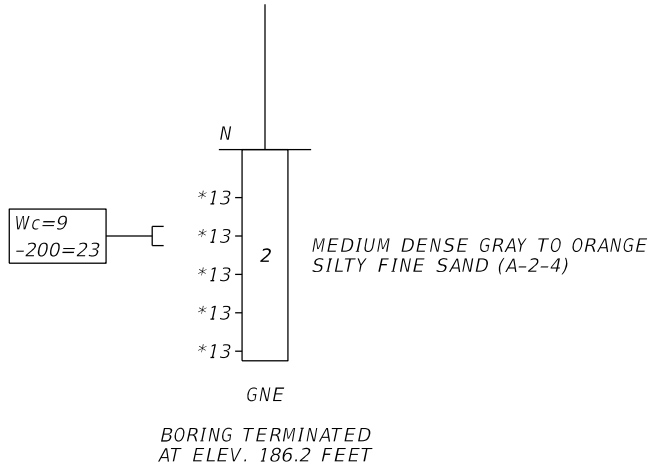
THE OFFICIAL RECORD OF THIS SHEET IS THE ELECTRONIC FILE DIGITALLY SIGNED AND SEALED UNDER RULE 61G15-23.004, F.A.C.

FOR PERMITTING PURPOSES ONLY

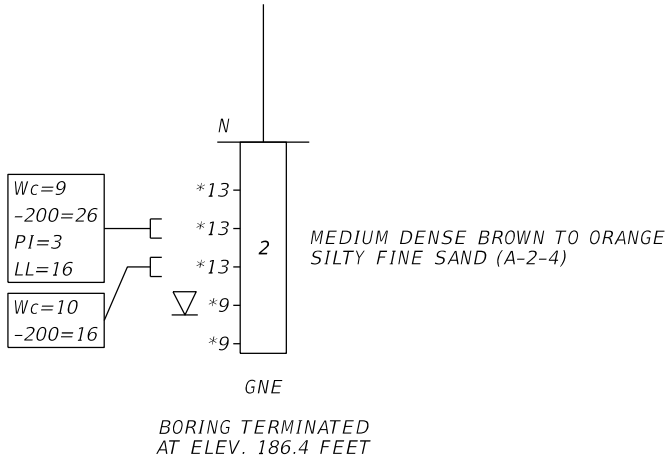
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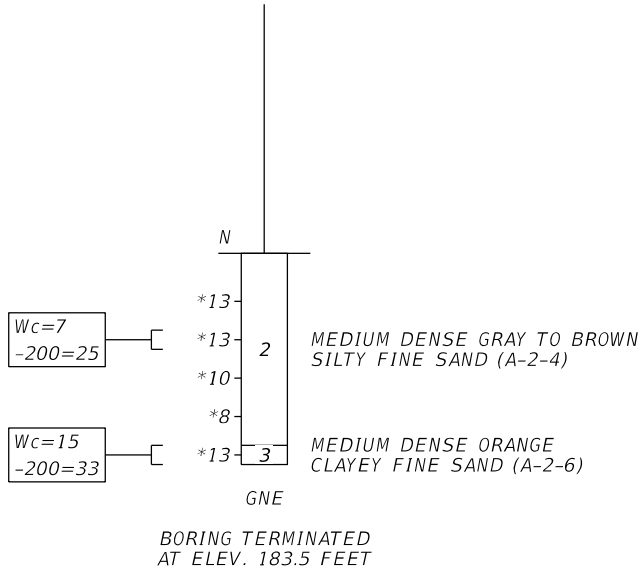
BOR # W-511
STA. 511+00
REF. C CONST. DOVER ROAD
OFF. 20 FEET LEFT
ELEV. 191.7 FEET
DATE 6/6/2022
DRILLER G. WHEELER
HAMMER CPI
RIG HAND AUGER



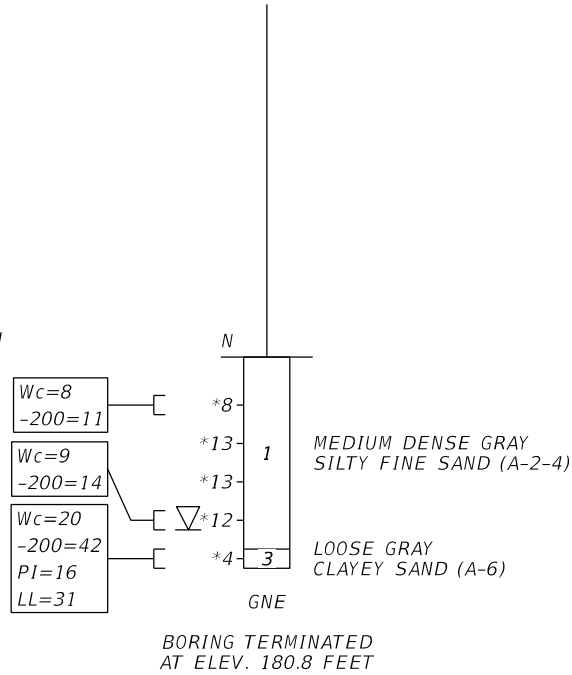
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STA. 511+50
REF. C CONST. DOVER ROAD
OFF. 25 FEET LEFT
ELEV. 191.9 FEET
DATE 6/6/2022
DRILLER G. WHEELER
HAMMER CPI
RIG HAND AUGER



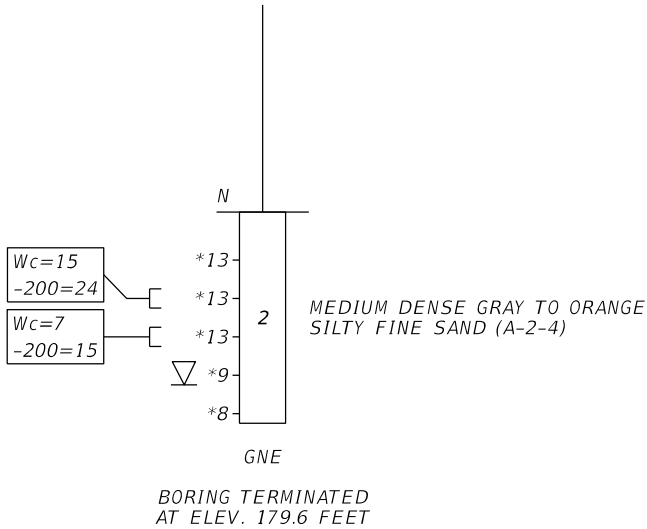
BOR # W-512+50
STA. 512+50
REF. C CONST. DOVER ROAD
OFF. 20 FEET LEFT
ELEV. 189.0 FEET
DATE 6/6/2022
DRILLER G. WHEELER
HAMMER CPI
RIG HAND AUGER



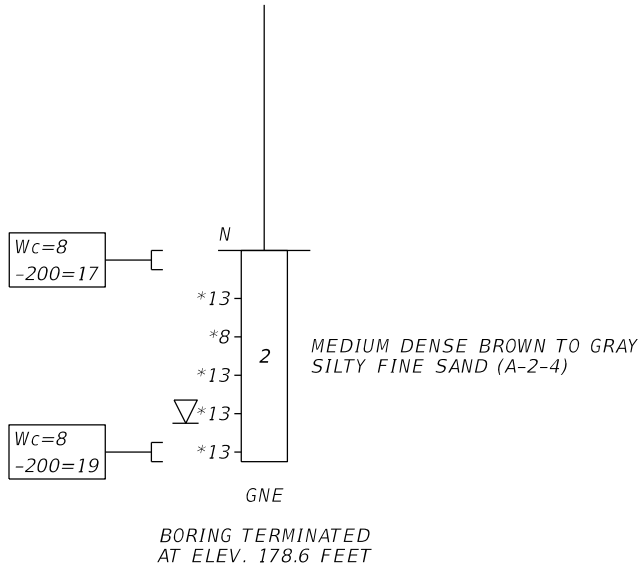
BOR # W-513
STA. 513+00
REF. C CONST. DOVER ROAD
OFF. 85 FEET LEFT
ELEV. 186.3 FEET
DATE 6/6/2022
DRILLER G. WHEELER
HAMMER CPI
RIG HAND AUGER



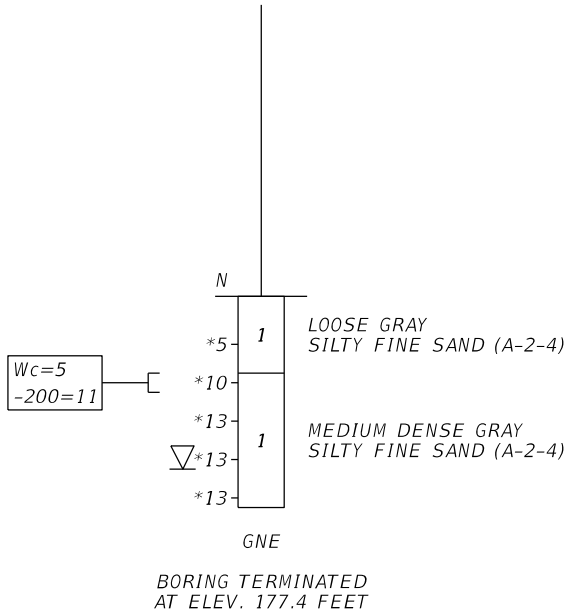
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STA. 514+00
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ELEV. 185.1 FEET
DATE 6/6/2022
DRILLER G. WHEELER
HAMMER CPI
RIG HAND AUGER



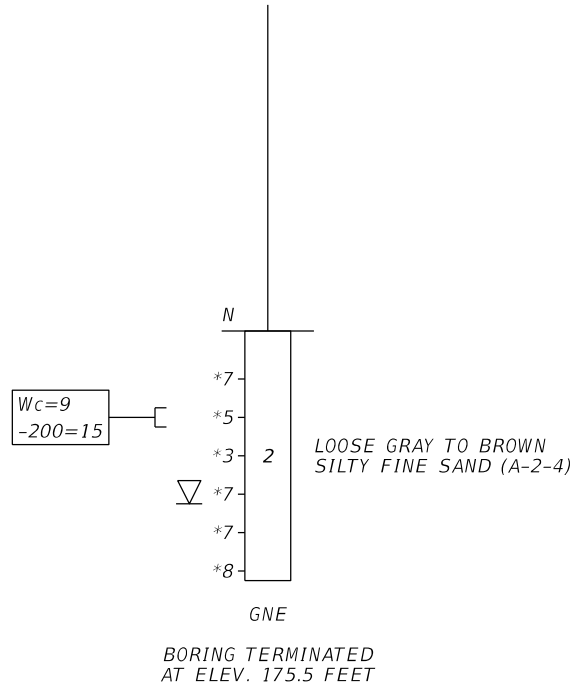
BOR # W-515
STA. 515+00
REF. C CONST. DOVER ROAD
OFF. 75 FEET LEFT
ELEV. 184.1 FEET
DATE 6/6/2022
DRILLER G. WHEELER
HAMMER CPI
RIG HAND AUGER



BOR # W-516
STA. 516+00
REF. C CONST. DOVER ROAD
OFF. 75 FEET LEFT
ELEV. 182.9 FEET
DATE 6/6/2022
DRILLER G. WHEELER
HAMMER CPI
RIG HAND AUGER



BOR # W-517
STA. 517+00
REF. C CONST. DOVER ROAD
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ELEV. 182.0 FEET
DATE 6/6/2022
DRILLER G. WHEELER
HAMMER CPI
RIG HAND AUGER

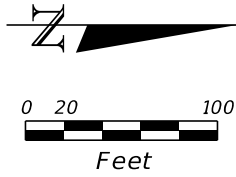
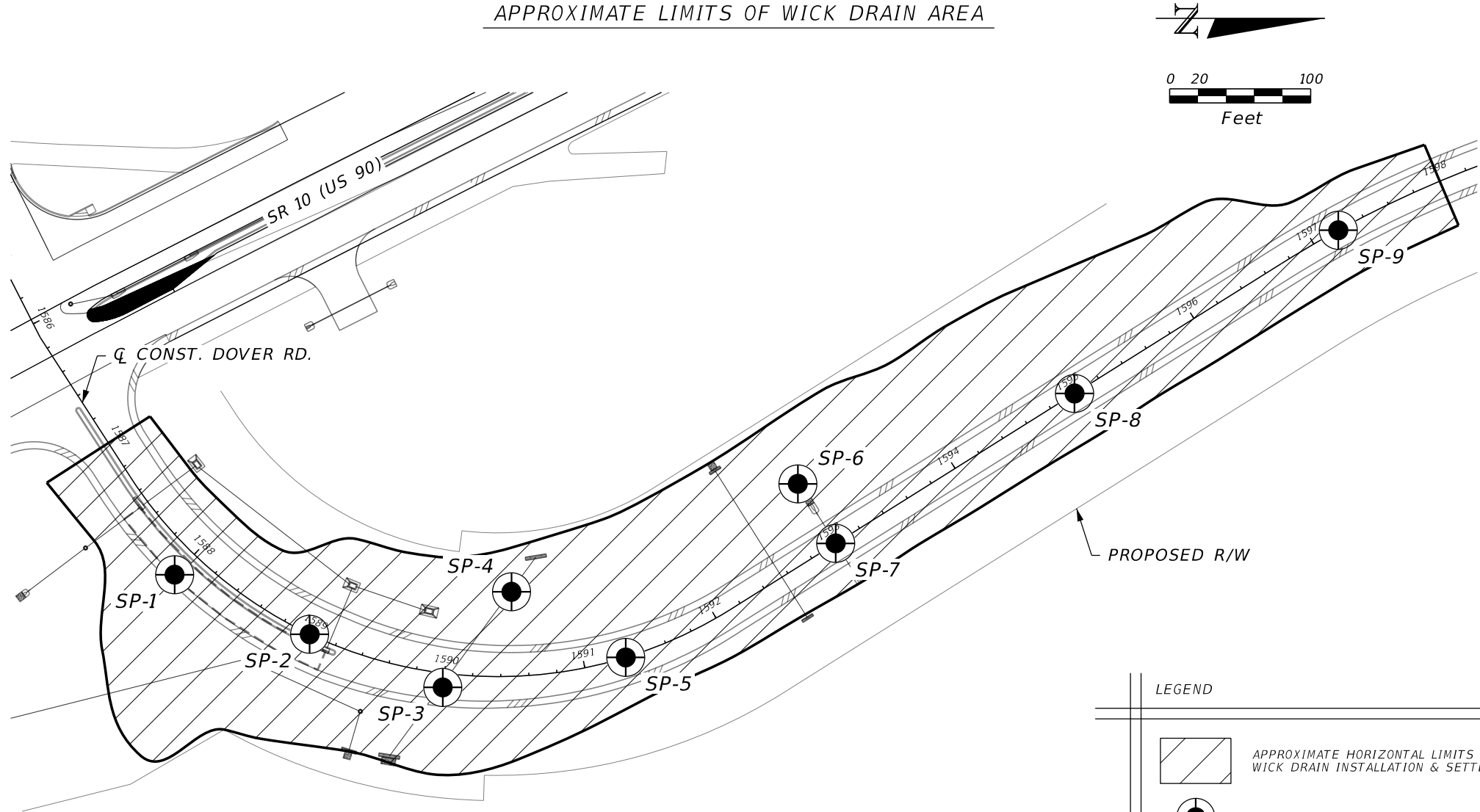


REVISIONS				ENGINEER OF RECORD			STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION			REPORT OF SOIL BORINGS	SHEET NO.
DATE	DESCRIPTION	DATE	DESCRIPTION	CRAIG E. DUNKELBERGER, P.E. LICENSE NUMBER: 49932 ENVIRONMENTAL & GEOTECHNICAL SPECIALISTS, INC. 3676 HARTSFIELD ROAD TALLAHASSEE, FLORIDA 32303			ROAD NO.	COUNTY	FINANCIAL PROJECT ID		
							SR 10	GADSDEN	449500-1-52-01		

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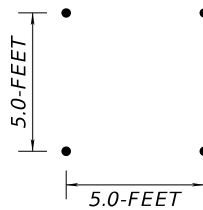
APPROXIMATE LIMITS OF WICK DRAIN AREA



SETTLEMENT PLATE LOCATION TABLE

LABEL	☐ CONST. DOVER RD. STATION (FEET)	OFFSET (FEET)
SP-1	1588+00	20 RIGHT
SP-2	1589+00	CENTERLINE
SP-3	1590+00	10 RIGHT
SP-4	1590+50	60 LEFT
SP-5	1591+30	CENTERLINE
SP-6	1593+00	50 LEFT
SP-7	1593+00	CENTERLINE
SP-8	1595+00	CENTERLINE
SP-9	1597+20	CENTERLINE

TYPICAL DETAIL
WICK DRAIN SPACING



NOTE: DETAIL VIEW NOT TO SCALE

LEGEND



APPROXIMATE HORIZONTAL LIMITS OF PRE-LOAD AREA,
WICK DRAIN INSTALLATION & SETTLEMENT MONITORING



PROPOSED SETTLEMENT PLATE LOCATION

NOTES

- PREFABRICATED VERTICAL WICK DRAINS SHOULD BE INSTALLED IN A SQUARE GRID-PATTERN WITH 5-FEET SPACING BETWEEN THE CENTER OF EACH DRAIN.
- THE STATION RANGE AND ESTIMATED TIP ELEVATIONS ARE AS FOLLOWS:

☐ CONST. DOVER RD. STATION RANGE	WICK DRAIN BOTTOM ELEVATION
1587+00 TO 1598+00	145 FEET
- THE INITIAL ROADWAY EMBANKMENT IS INTENDED TO SERVE AS A PRE-LOAD TO HELP CONSOLIDATE THE UNDERLYING COMPRESSIBLE SOILS BEFORE PROCEEDING WITH FINAL CONSTRUCTION. OTHER THAN EMBANKMENT CONSTRUCTION, NO OTHER WORK SUCH AS DRAINAGE SHALL TAKE PLACE UNTIL THE SETTLEMENT MONITORING PERIOD IS COMPLETE.

8/25/2025 11:08:57 AM WYR99276 P:\Worksets\FDOT\449500_I_52_01_Dover_Road\Geotechnical\SPDTRD01.dgn

REVISIONS				ENGINEER OF RECORD		STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION			WICK DRAIN & SETTLEMENT MONITORING AREA	SHEET NO. 55
DATE	DESCRIPTION	DATE	DESCRIPTION	CRAIG E. DUNKELBERGER, P.E. LICENSE NUMBER: 49932 ENVIRONMENTAL & GEOTECHNICAL SPECIALISTS, INC. 3676 HARTSFIELD ROAD TALLAHASSEE, FLORIDA 32303		ROAD NO.	COUNTY	FINANCIAL PROJECT ID		
						SR 10	GADSDEN	449500-1-52-01		

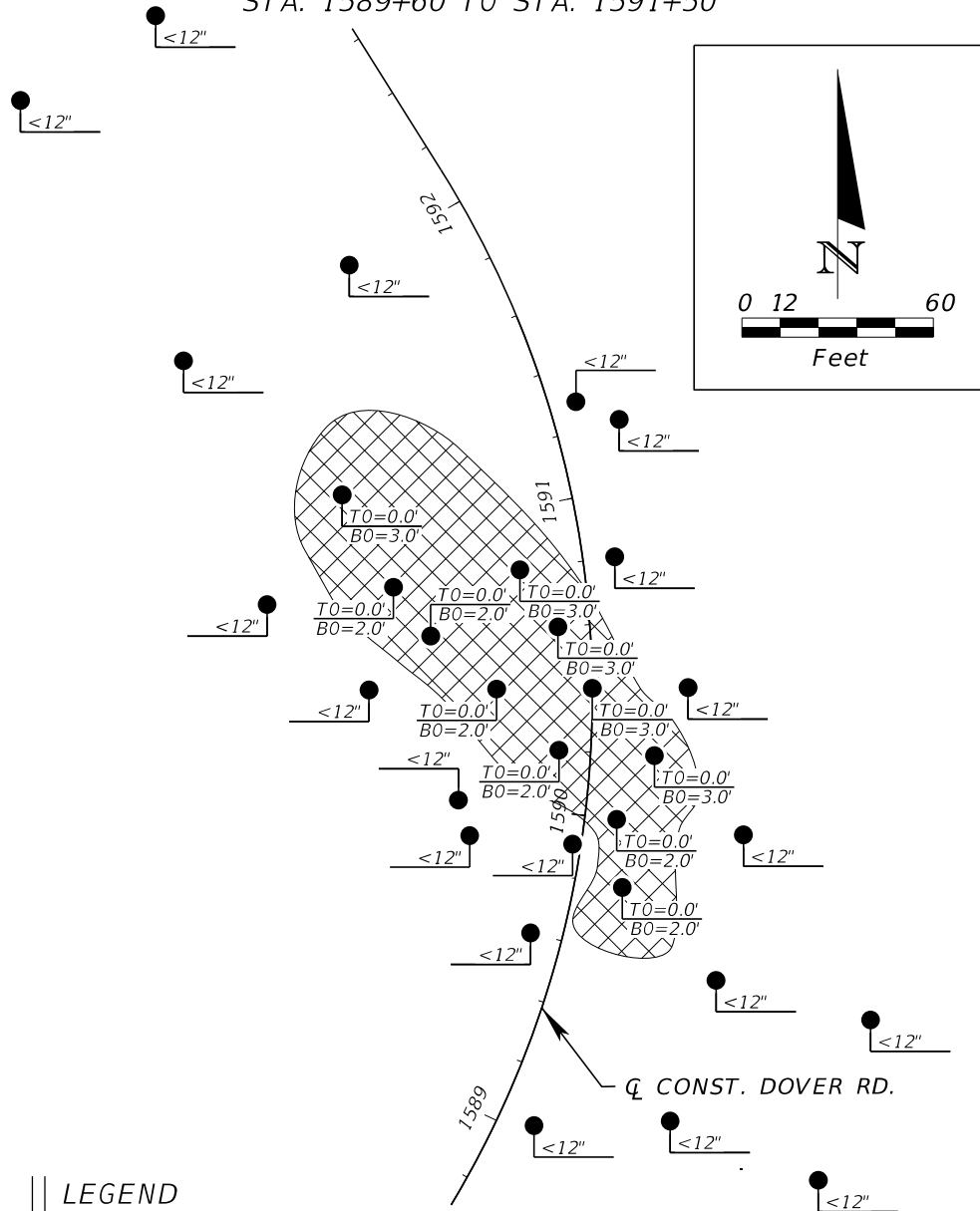
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FOR PERMITTING PURPOSES ONLY

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APPROXIMATE LIMITS OF ORGANIC SOIL REMOVAL

STA. 1589+60 TO STA. 1591+50



LEGEND

- SOIL BORING LOCATION
- TO DEPTH TO TOP OF ORGANIC MATERIAL
- BO DEPTH TO BOTTOM OF ORGANIC MATERIAL
- <12" 12 INCHES OR LESS OF SURFICIAL ORGANICS ENCOUNTERED
- ▨ APPROXIMATE LIMIT OF ORGANIC SOIL REMOVAL

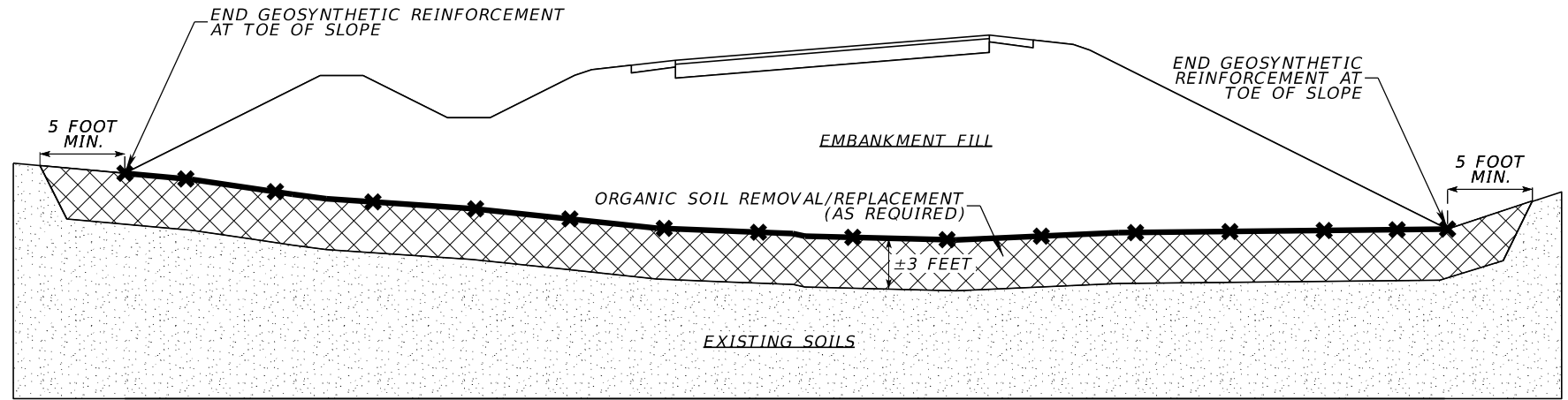
NOTES

- SUBSOIL EXCAVATION SHALL BE ACCOMPLISHED IN ACCORDANCE WITH FDOT STANDARD PLANS INDEX 120-002, UNLESS OTHERWISE SHOWN ON THIS SHEET.
- "ORGANIC MATERIAL" REFERS TO SOILS THAT HAVE AN AVERAGE ORGANIC CONTENT OF FIVE (5) PERCENT OR GREATER. SEE ROADWAY SOIL SURVEY PLAN SHEET FOR SUMMARY OF LABORATORY TESTING.
- EXTENT OF ORGANIC MATERIAL IS APPROXIMATE AND MAY NOT APPLY TO ANY OTHER LOCATIONS EXCEPT AT THE LOCATION OF THE SOIL BORING. EXTRAPOLATION OF THE SOIL BORING DATA TO OTHER LOCATIONS IS THE SOLE RESPONSIBILITY OF THE PERSON PERFORMING THE EXTRAPOLATION.

GEOSYNTHETIC REINFORCEMENT DETAIL

STA. 1589+00 TO STA. 1592+00

(Not To Scale)



LEGEND

- ▨ EXISTING GROUND SURFACE
- *— WOVEN GEOTEXTILE (SEE NOTES)
- ▨ APPROXIMATE LIMIT OF ORGANIC SOIL REMOVAL

NOTES

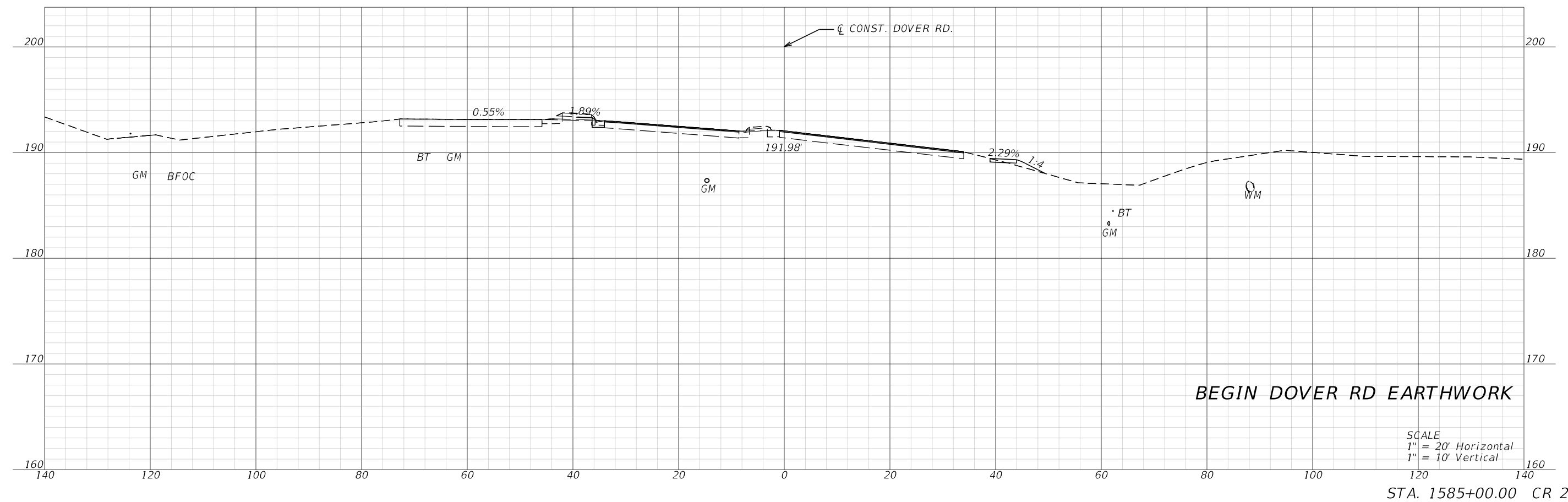
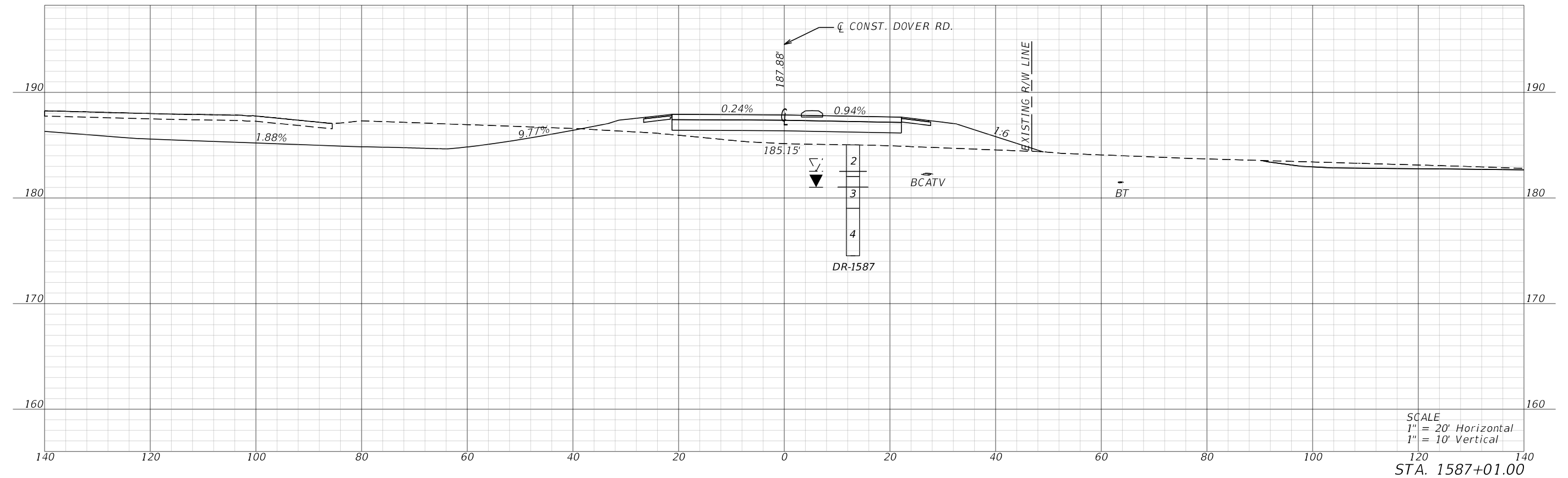
- REMOVE AND REPLACE ORGANIC SOILS IN ACCORDANCE WITH FDOT SPECIFICATION 120. SHOULD THE ORGANIC SOIL EXTEND BEYOND THE TOE OF THE EMBANKMENT SLOPE, THE ORGANIC SOIL SHOULD BE REMOVED TO A DISTANCE OF 5 FEET BEYOND THE TOE OF SLOPE.
- PLACE THE WOVEN GEOTEXTILE ON TOP OF THE REPLACEMENT FILL/AT THE BOTTOM OF THE PROPOSED EMBANKMENT FILL. IT SHOULD BE ROLLED OUT FLAT AND TIGHT WITH NO WRINKLES. UNROLL THE MATERIAL SO THAT THE CROSS DIRECTION IS PERPENDICULAR TO THE CENTERLINE OF THE ROADWAY.
- ALL EDGES, SIDES AND SEAMS OF THE GEOSYNTHETICS TO BE OVERLAPPED A MINIMUM OF 36 INCHES. OVERLAPS SHOULD BE SHINGLED IN THE DIRECTION OF FILL PLACEMENT.
- GEOSYNTHETIC REINFORCEMENT SHALL MEET THE REQUIREMENTS OF FDOT SPECIFICATION 985 AND SHALL BE ONE OF THE PRODUCTS LISTED ON THE FDOT APPROVED PRODUCT LIST (APL).
- WOVEN GEOTEXTILE (FDOT STANDARD SPECIFICATION 985) WITH A MINIMUM MACHINE DIRECTION TENSILE STRENGTH AND CROSS DIRECTION TENSILE STRENGTH OF 1800 LBS/FT AND 2250 LBS/FT, RESPECTIVELY, AT 5% STRAIN. THE MATERIAL IS TO HAVE AN APL APPROVED APPLICATION USAGE OF R-5 (CONSTRUCTION EXPEDIENT).
- ALL WORK TO BE PERFORMED IN THE DRY. DEWATERING MAY BE REQUIRED.

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

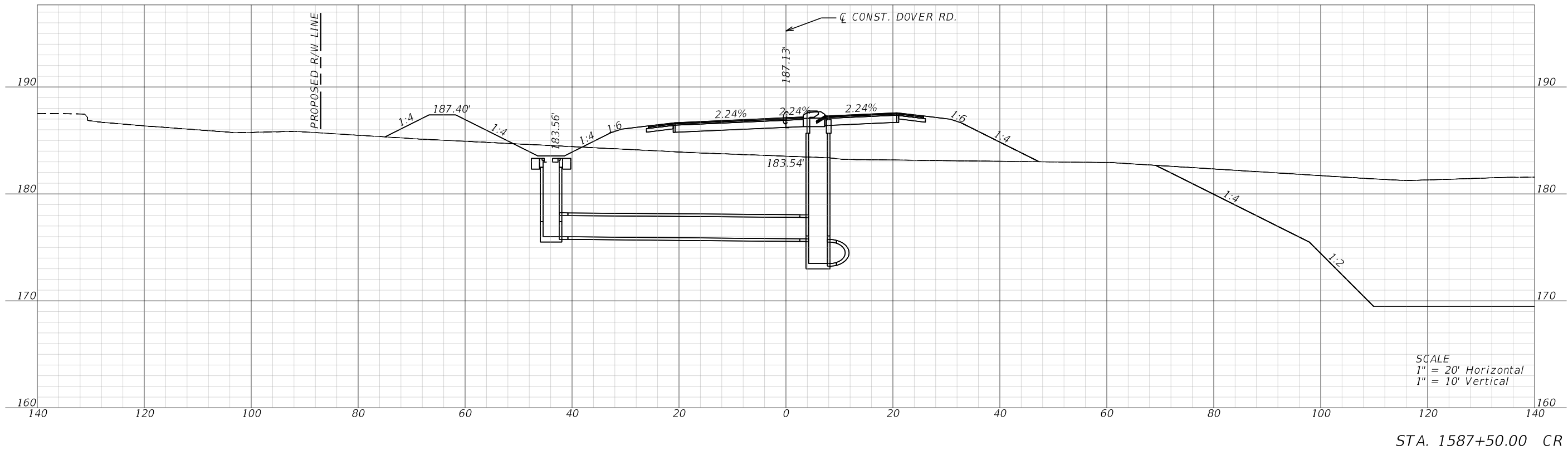
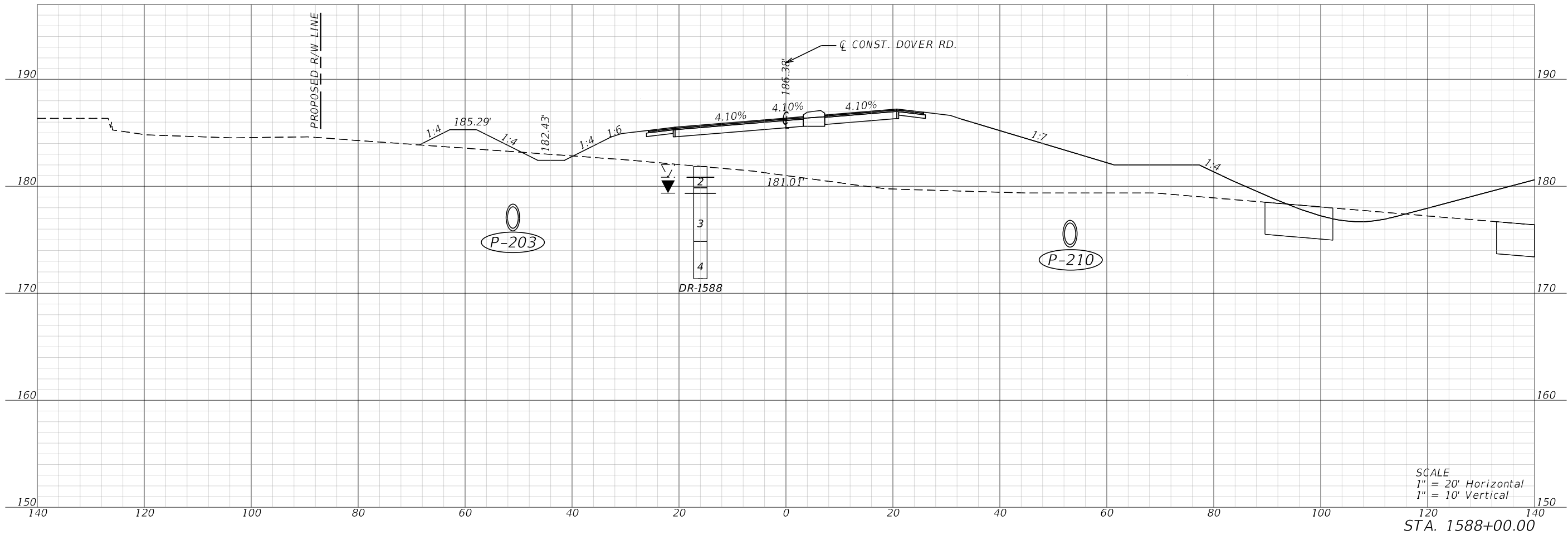
ENGINEER OF RECORD
CRAIG E. DUNKELBERGER, P.E. LICENSE NUMBER: 49932 ENVIRONMENTAL & GEOTECHNICAL SPECIALISTS, INC. 3676 HARTSFIELD ROAD TALLAHASSEE, FLORIDA 32303

STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION		
ROAD NO.	COUNTY	FINANCIAL PROJECT ID
SR 10	GADSDEN	449500-1-52-01

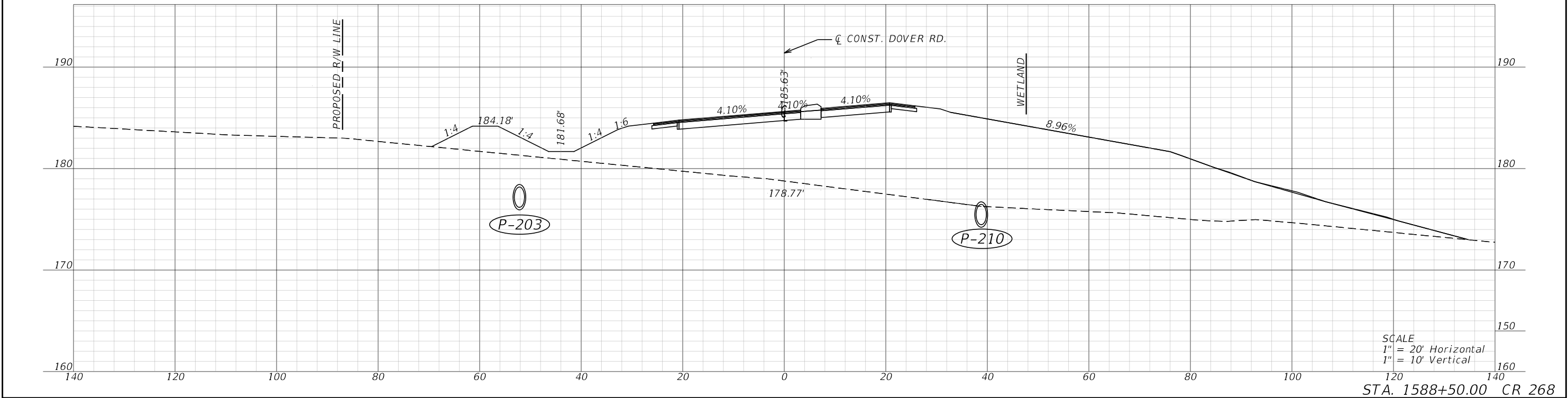
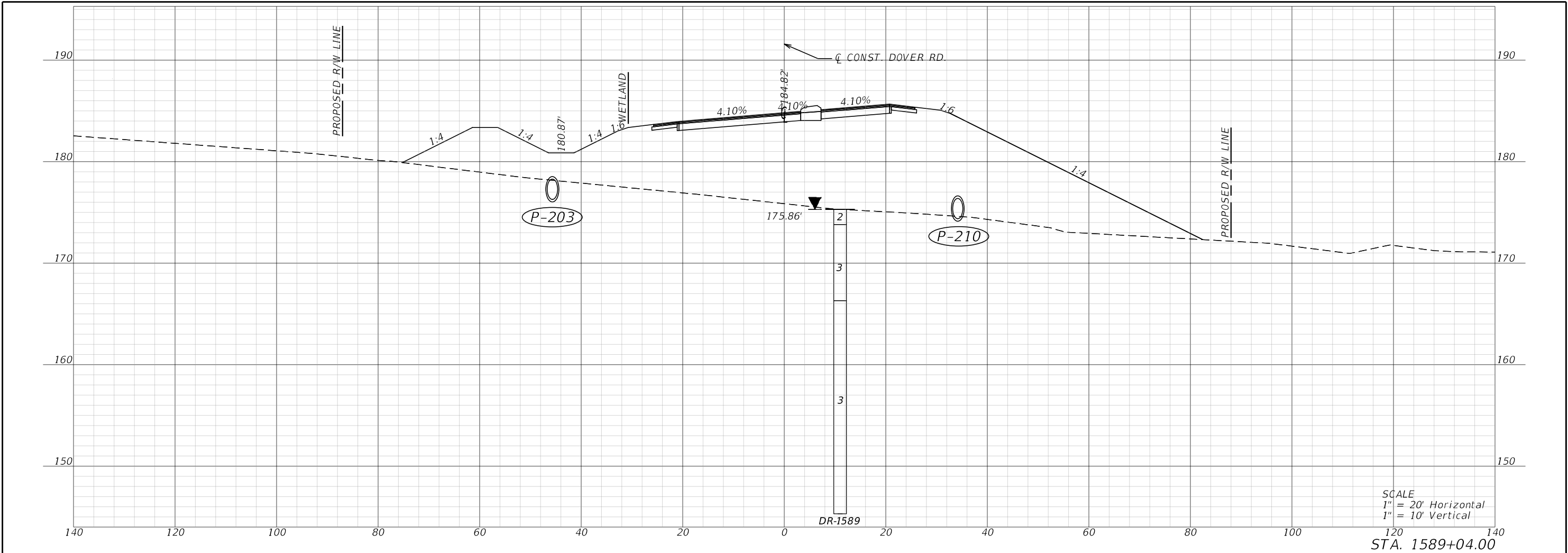
ORGANIC SOIL REMOVAL LIMITS & GEOSYNTHETIC REINFORCEMENT		SHEET NO.
		56



REVISIONS				ENGINEER OF RECORD	STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION			CROSS SECTIONS	SHEET NO.
DATE	DESCRIPTION	DATE	DESCRIPTION	RICKY E. BRANTON, P.E. LICENSE NUMBER: 57043 MOTT MACDONALD FLORIDA, LLC. 1232 JACKSON AVENUE CHIPLEY, FLORIDA 32428	ROAD NO.	COUNTY	FINANCIAL PROJECT ID		57
					SR 10	GADSDEN	449500-1-52-01		



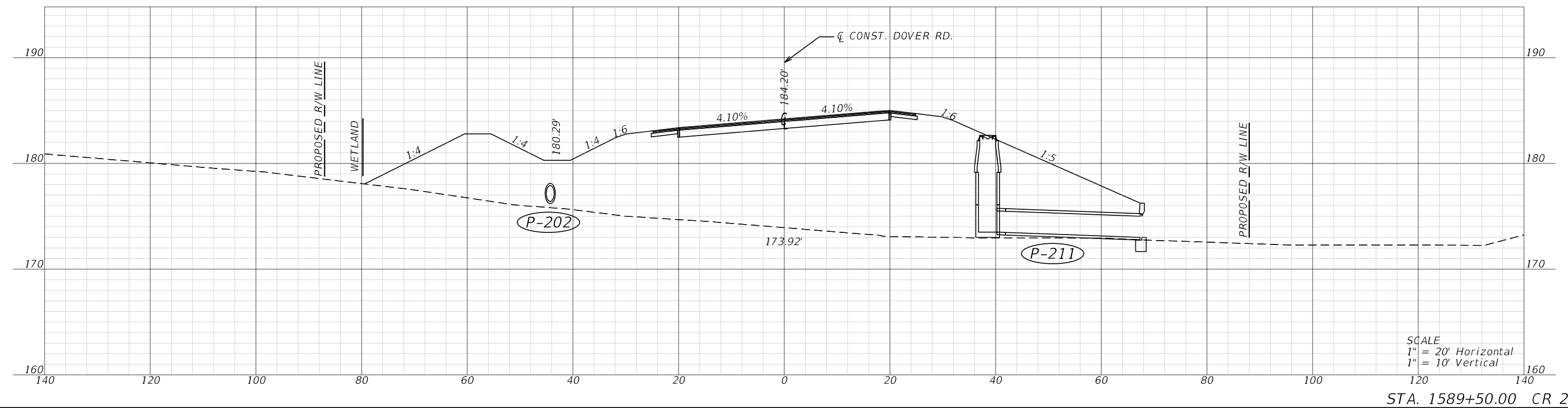
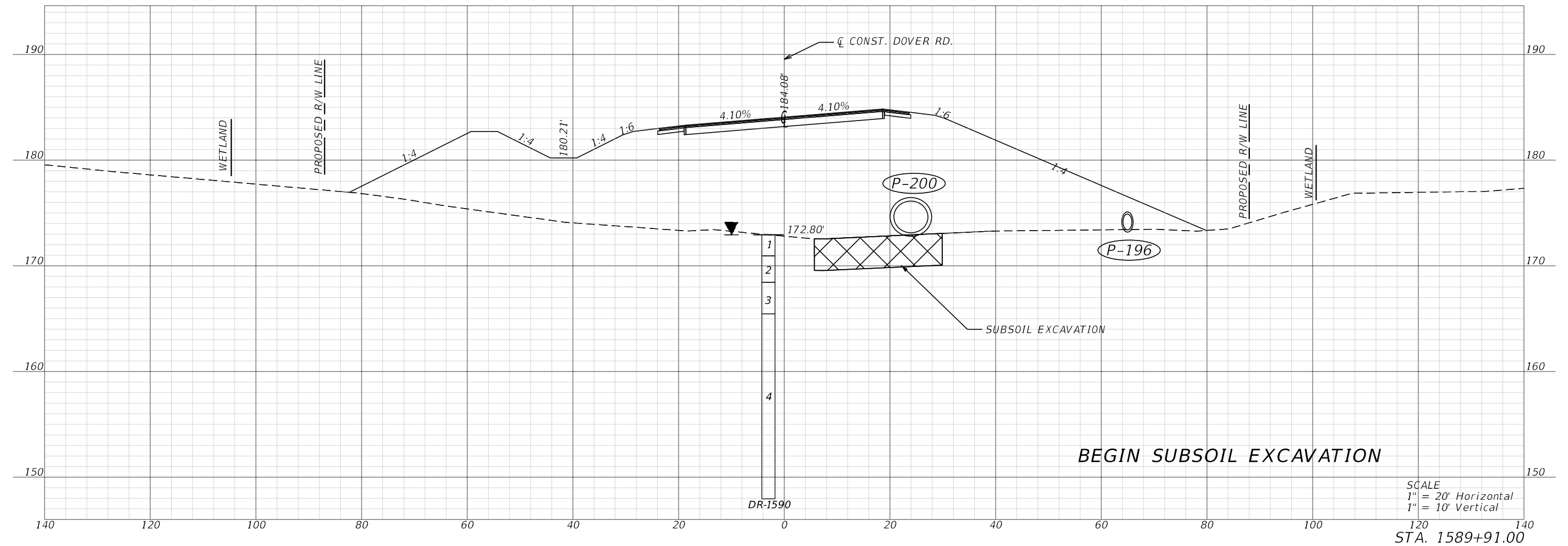
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DATE	DESCRIPTION	DATE	DESCRIPTION	RICKY E. BRANTON, P.E. LICENSE NUMBER: 57043 MOTT MACDONALD FLORIDA, LLC. 1232 JACKSON AVENUE CHIPLEY, FLORIDA 32428	ROAD NO.	COUNTY	FINANCIAL PROJECT ID		58
					SR 10	GADSDEN	449500-1-52-01		



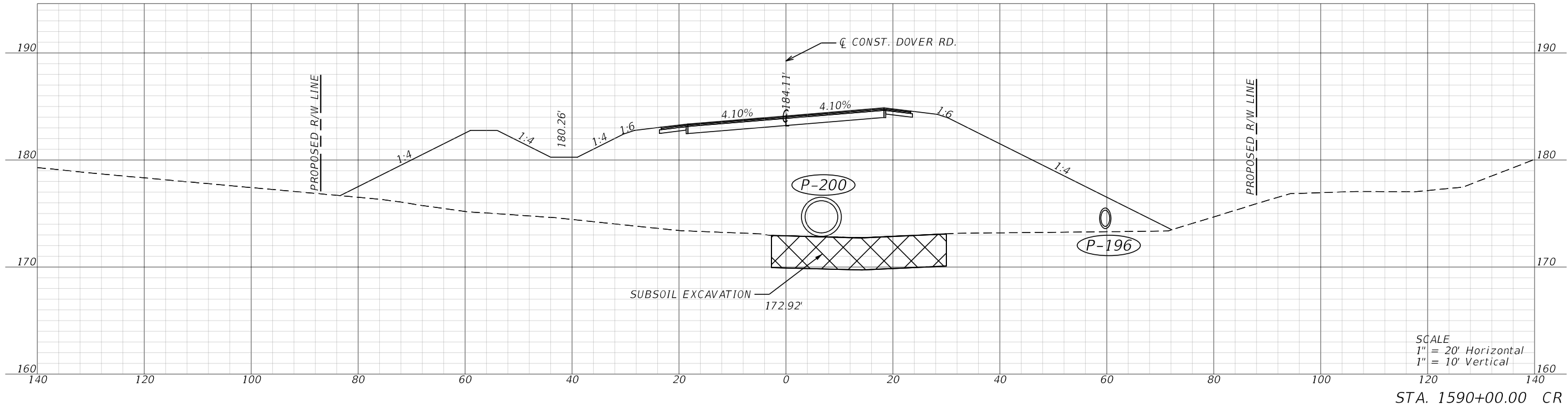
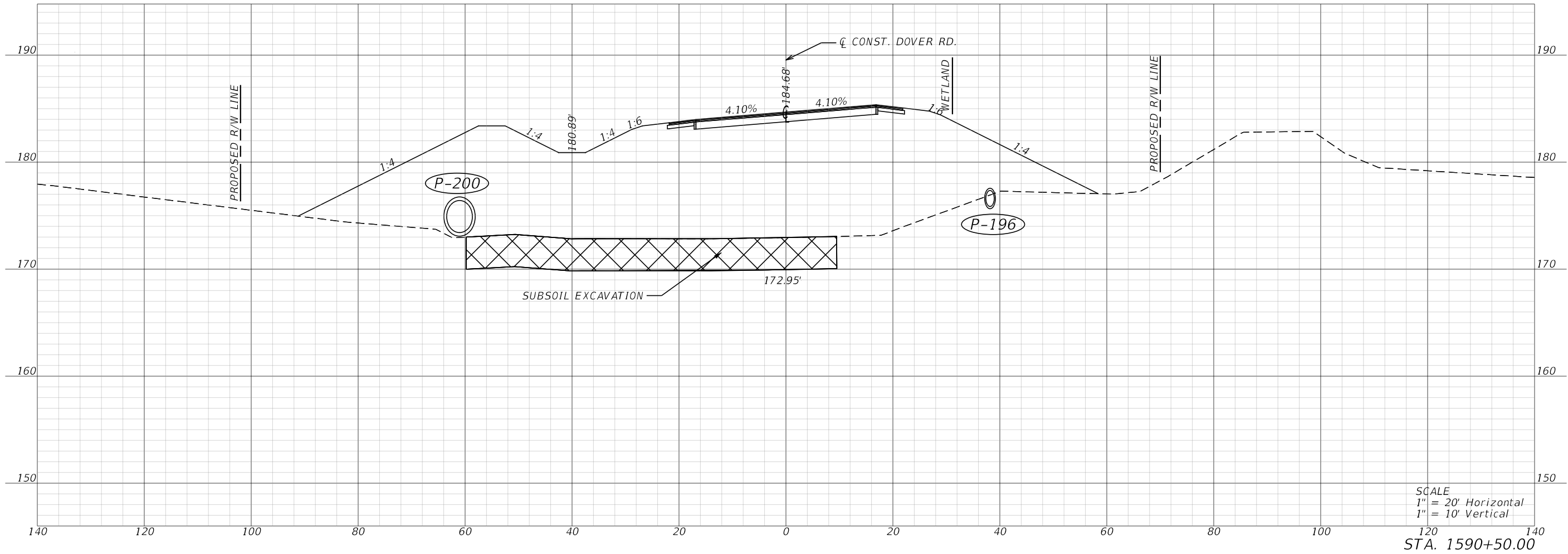
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DATE	DESCRIPTION	DATE	DESCRIPTION	RICKY E. BRANTON, P.E. LICENSE NUMBER: 57043 MOTT MACDONALD FLORIDA, LLC. 1232 JACKSON AVENUE CHIPLEY, FLORIDA 32428	ROAD NO.	COUNTY	FINANCIAL PROJECT ID		59
					SR 10	GADSDEN	449500-1-52-01		

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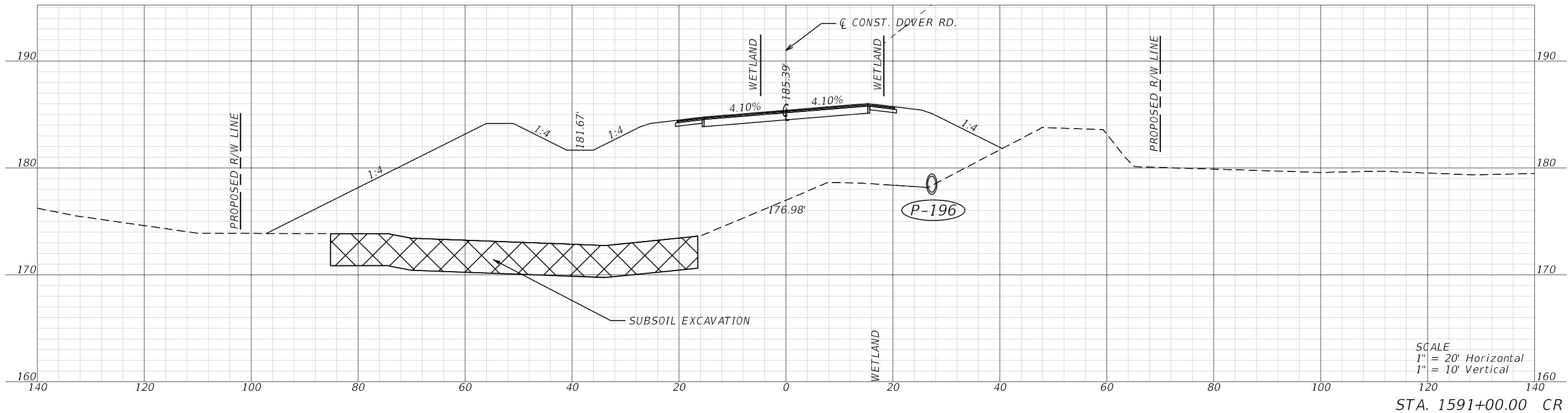
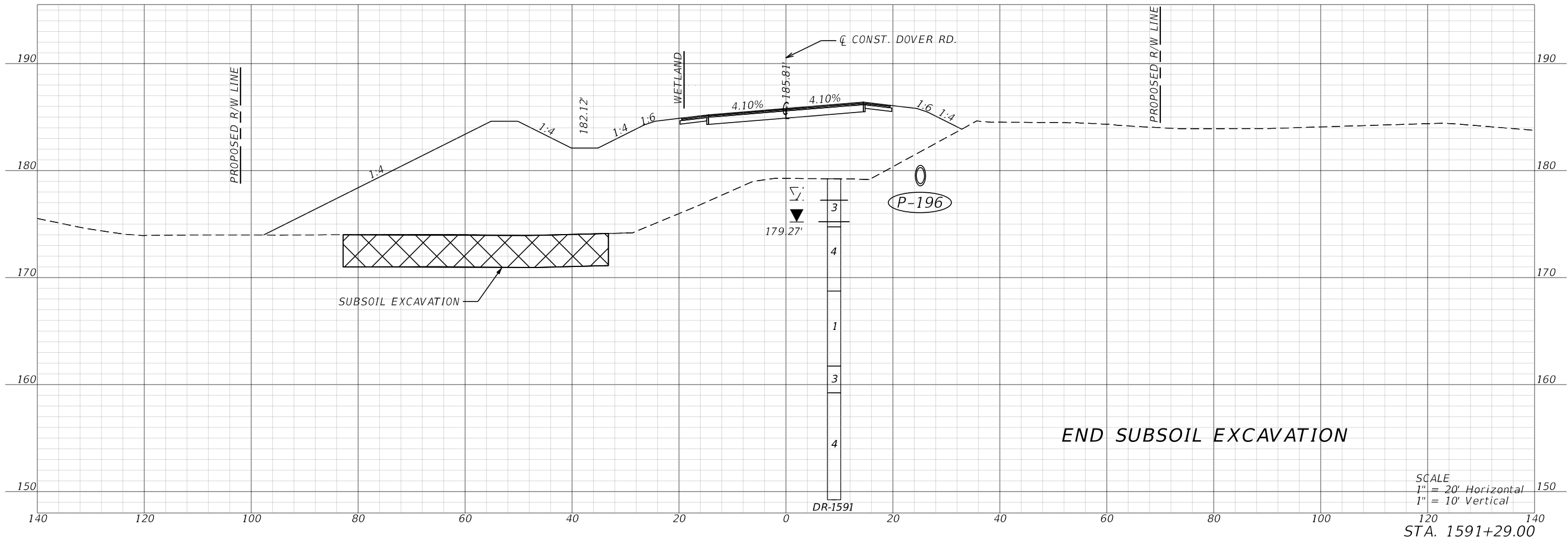
THE OFFICIAL RECORD OF THIS SHEET IS THE ELECTRONIC FILE DIGITALLY SIGNED AND SEALED UNDER RULE 61G15-23.004, F.A.C.



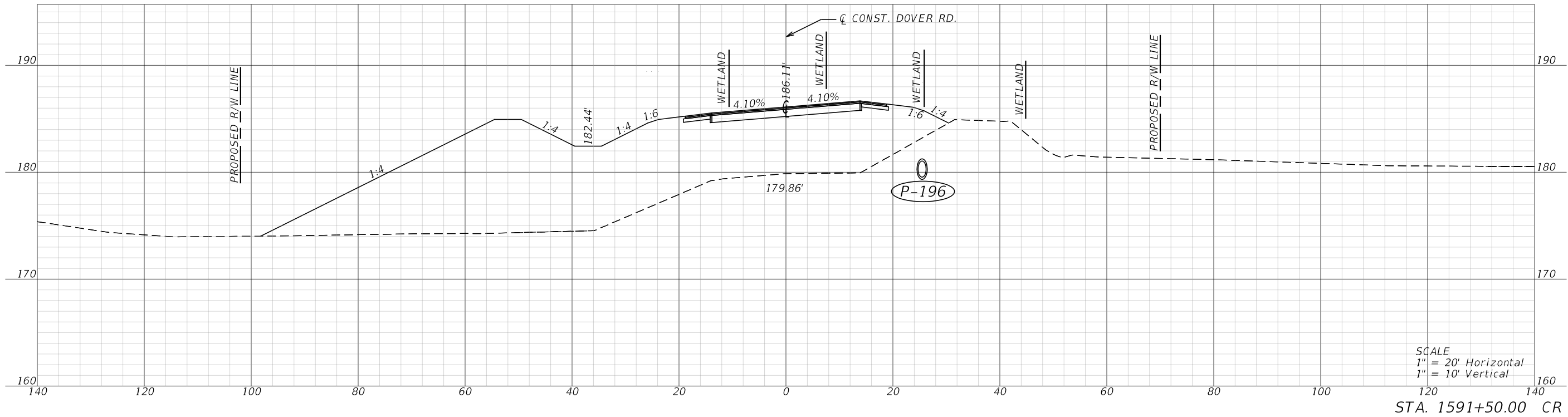
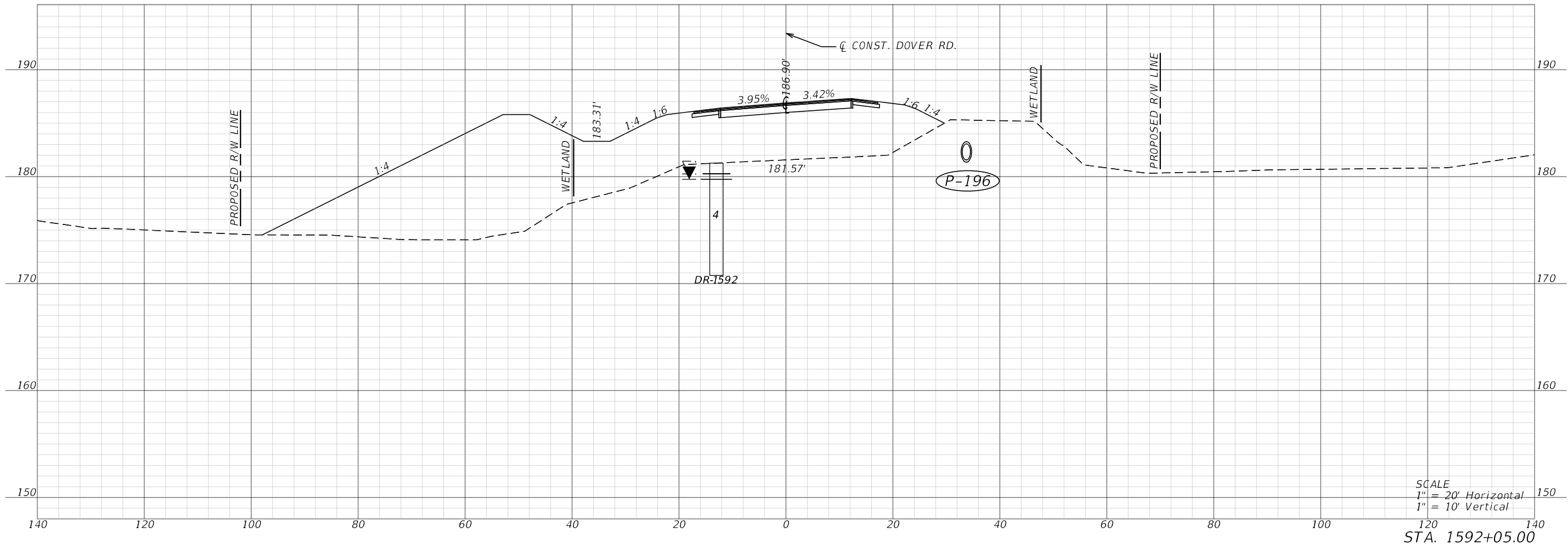
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DATE	DESCRIPTION	DATE	DESCRIPTION	RICKY E. BRANTON, P.E. LICENSE NUMBER: 57043 MOTT MACDONALD FLORIDA, LLC. 1232 JACKSON AVENUE CHIPLEY, FLORIDA 32428	ROAD NO.	COUNTY	FINANCIAL PROJECT ID		60
					SR 10	GADSDEN	449500-1-52-01		



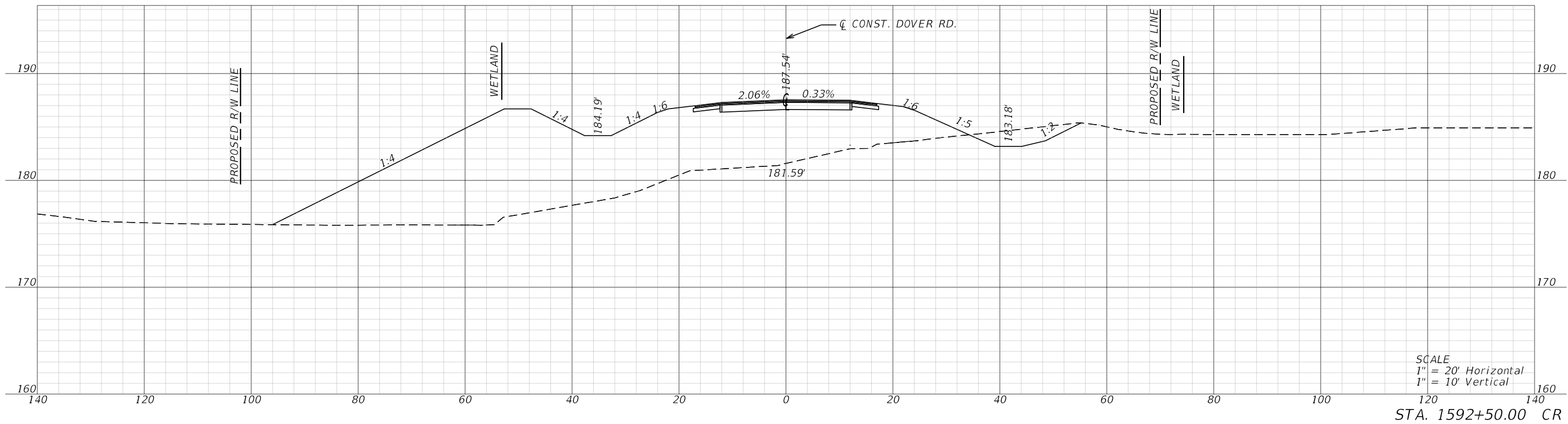
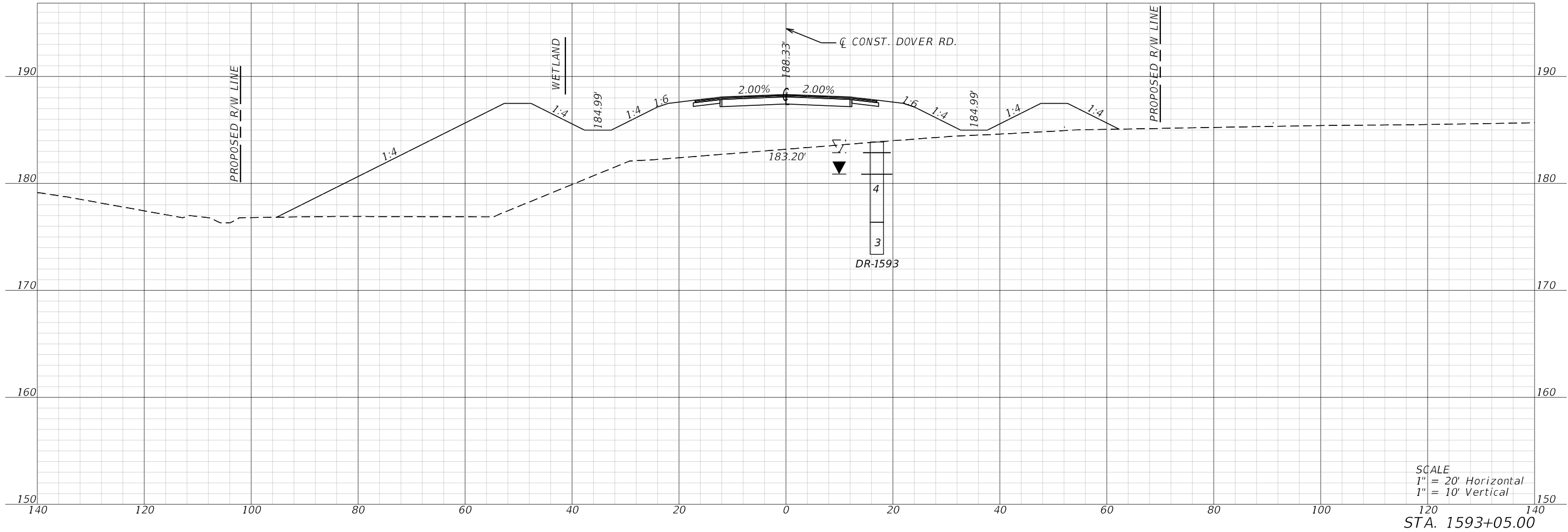
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DATE	DESCRIPTION	DATE	DESCRIPTION	RICKY E. BRANTON, P.E. LICENSE NUMBER: 57043 MOTT MACDONALD FLORIDA, LLC. 1232 JACKSON AVENUE CHIPLEY, FLORIDA 32428		ROAD NO.	COUNTY	FINANCIAL PROJECT ID		
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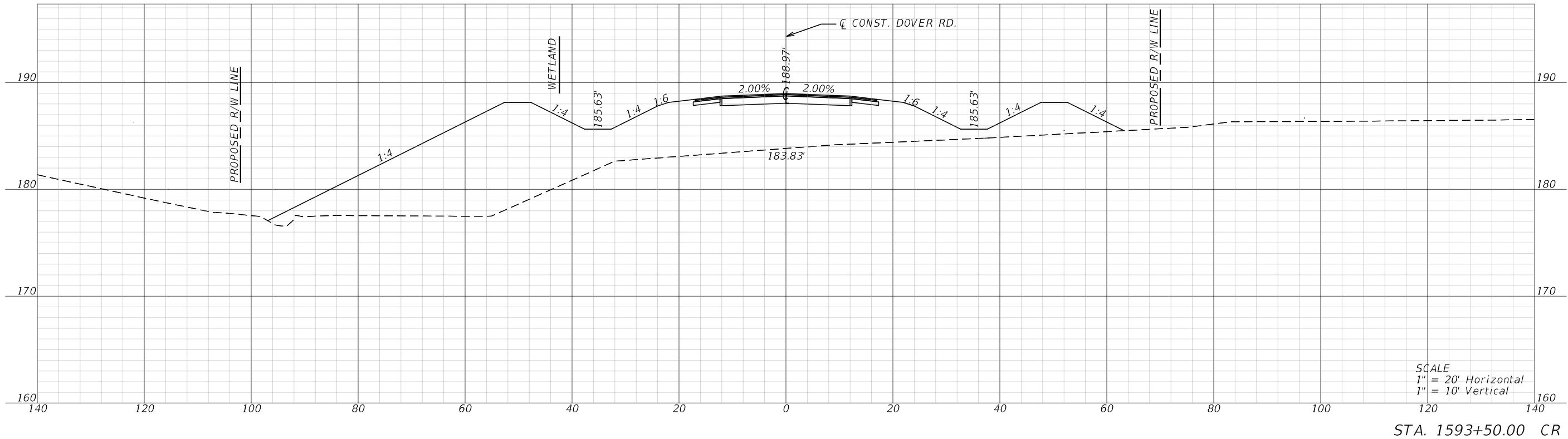
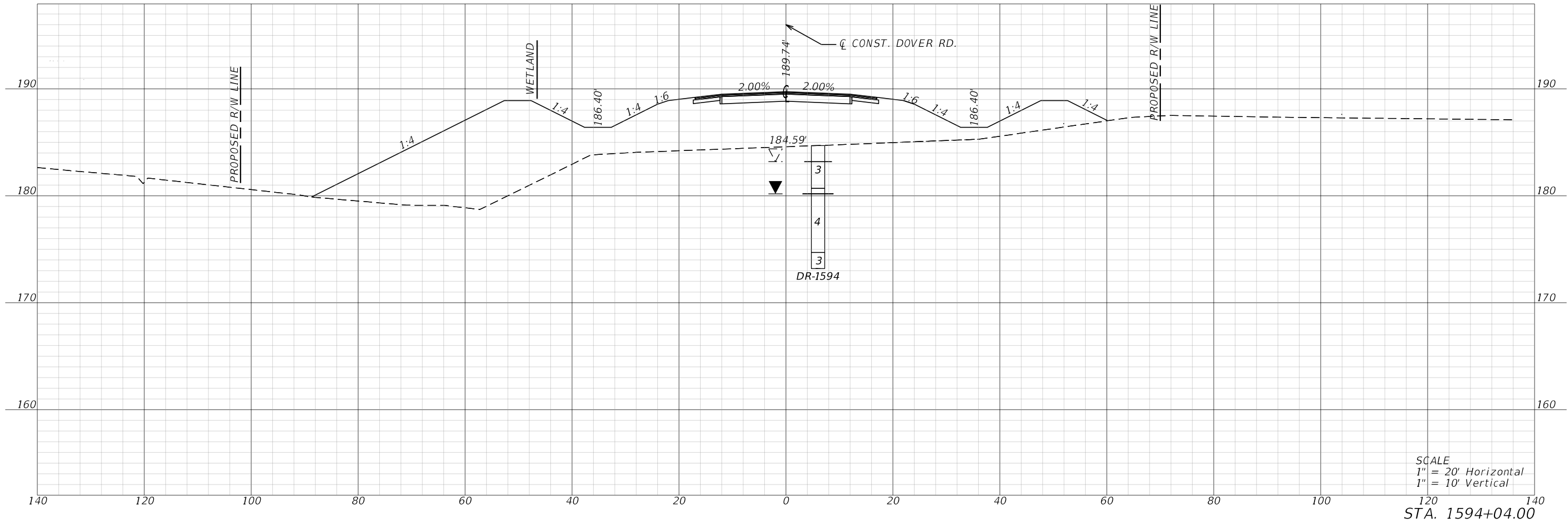
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DATE	DESCRIPTION	DATE	DESCRIPTION	RICKY E. BRANTON, P.E. LICENSE NUMBER: 57043 MOTT MACDONALD FLORIDA, LLC. 1232 JACKSON AVENUE CHIPLEY, FLORIDA 32428		ROAD NO.	COUNTY	FINANCIAL PROJECT ID		
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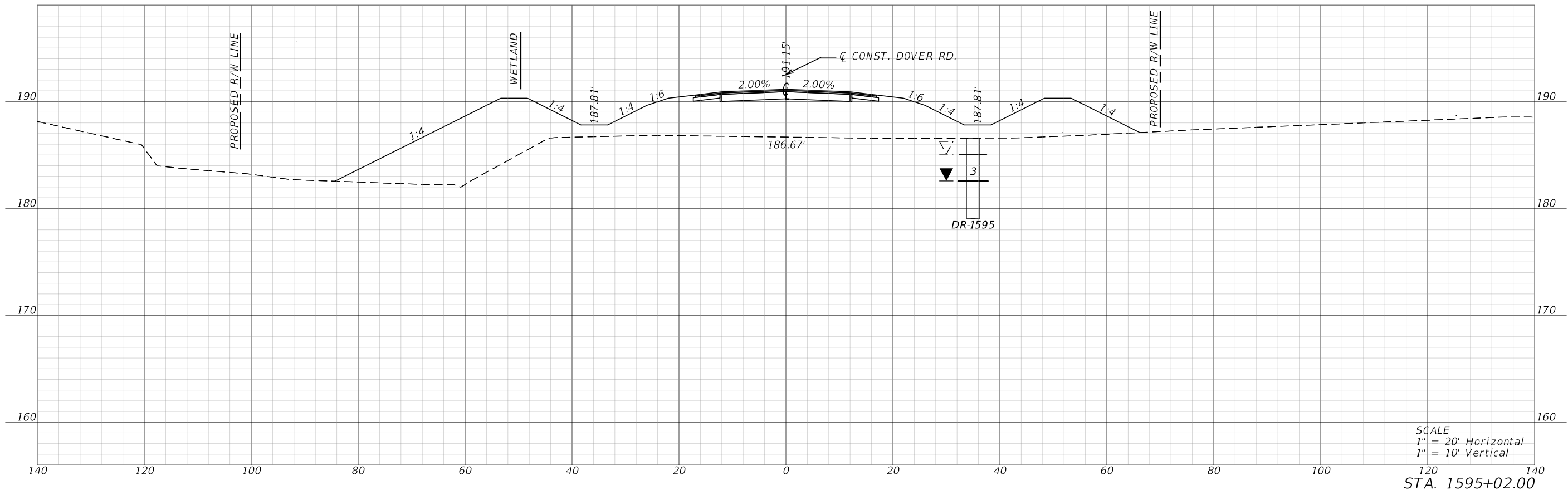
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DATE	DESCRIPTION	DATE	DESCRIPTION	RICKY E. BRANTON, P.E. LICENSE NUMBER: 57043 MOTT MACDONALD FLORIDA, LLC. 1232 JACKSON AVENUE CHIPLEY, FLORIDA 32428		ROAD NO.	COUNTY	FINANCIAL PROJECT ID		
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REVISIONS				ENGINEER OF RECORD		STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION			CROSS SECTIONS	SHEET NO.
DATE	DESCRIPTION	DATE	DESCRIPTION	RICKY E. BRANTON, P.E. LICENSE NUMBER: 57043 MOTT MACDONALD FLORIDA, LLC. 1232 JACKSON AVENUE CHIPLEY, FLORIDA 32428		ROAD NO.	COUNTY	FINANCIAL PROJECT ID		
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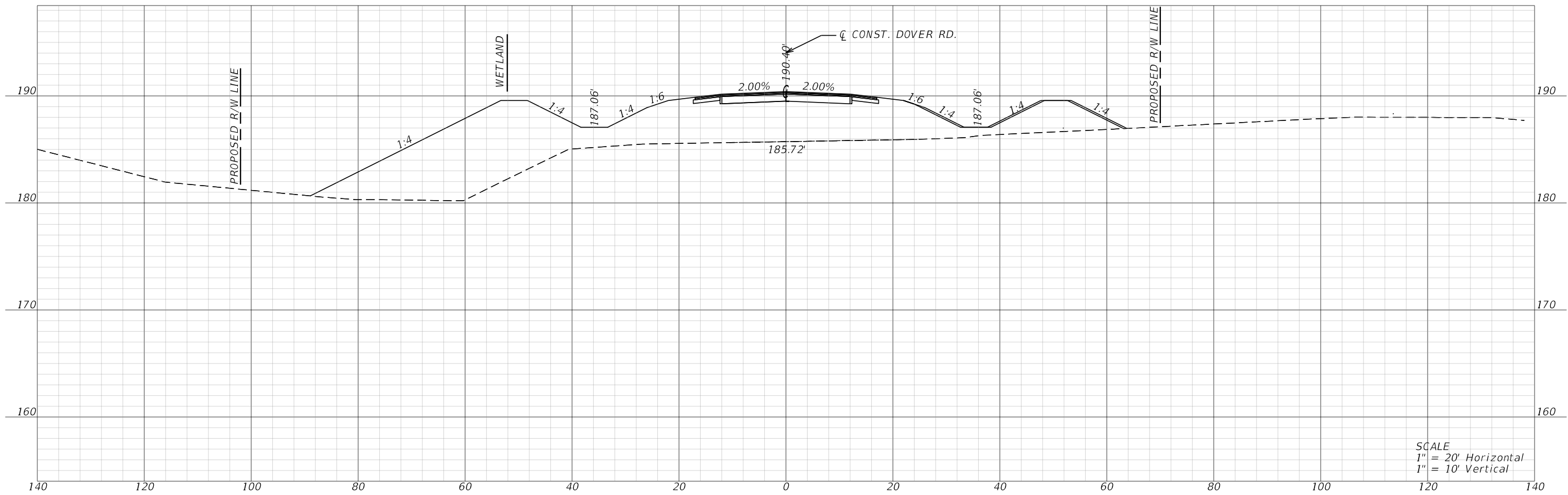


REVISIONS				ENGINEER OF RECORD		STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION			CROSS SECTIONS	SHEET NO.
DATE	DESCRIPTION	DATE	DESCRIPTION	RICKY E. BRANTON, P.E. LICENSE NUMBER: 57043 MOTT MACDONALD FLORIDA, LLC. 1232 JACKSON AVENUE CHIPLEY, FLORIDA 32428		ROAD NO.	COUNTY	FINANCIAL PROJECT ID		
						SR 10	GADSDEN	449500-1-52-01		65



SCALE
1" = 20' Horizontal
1" = 10' Vertical

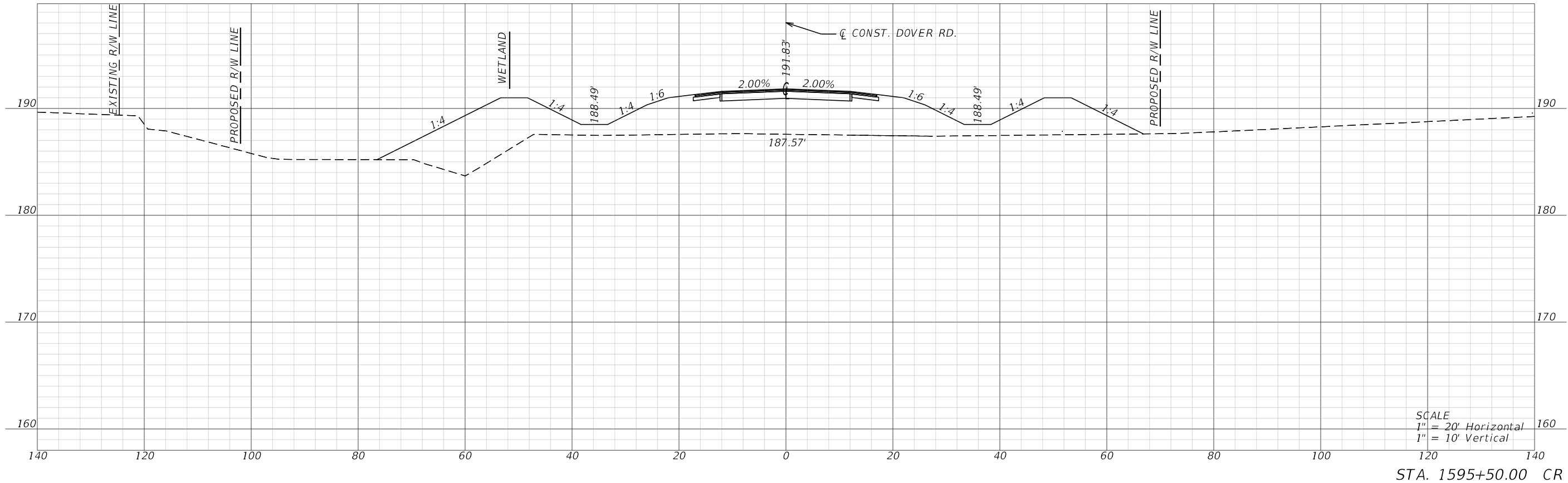
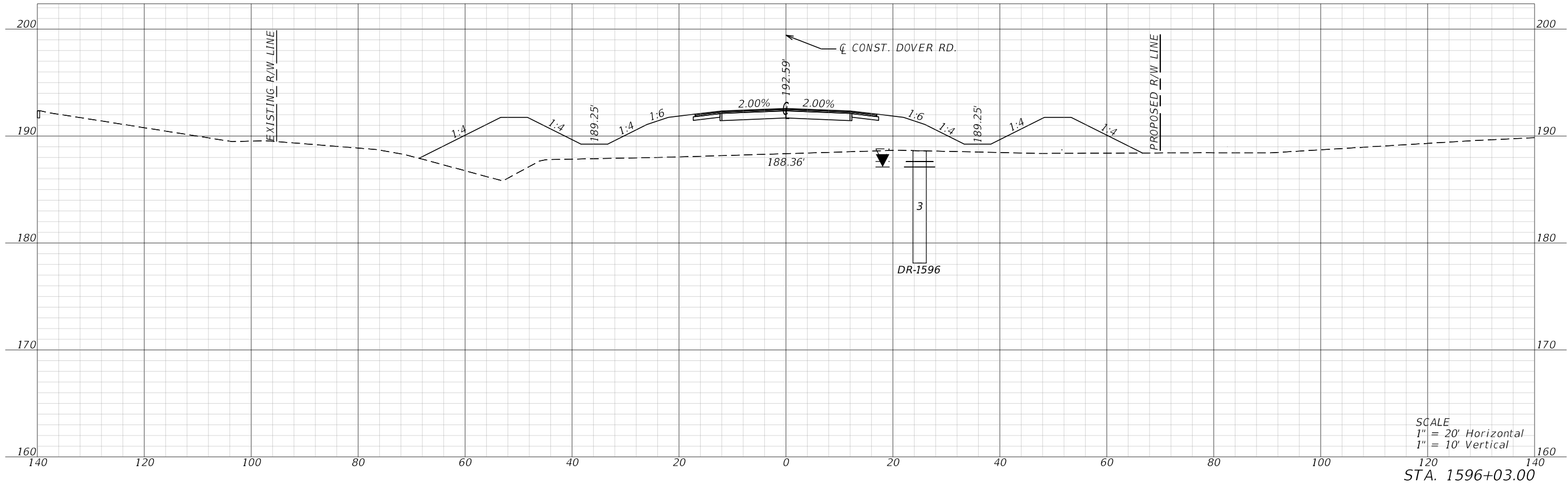
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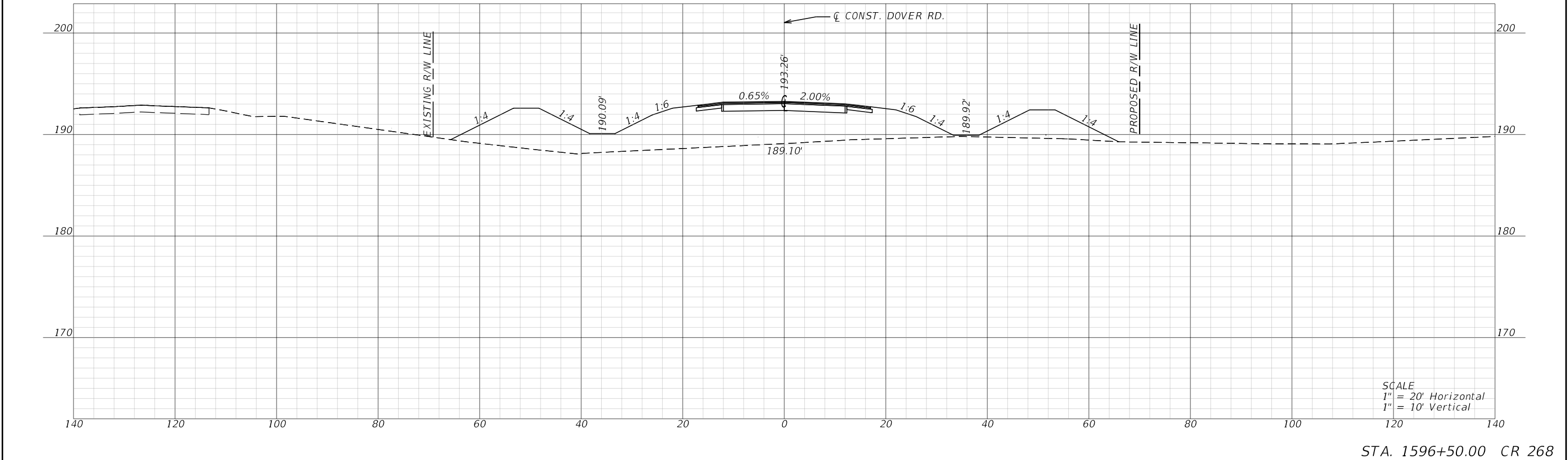
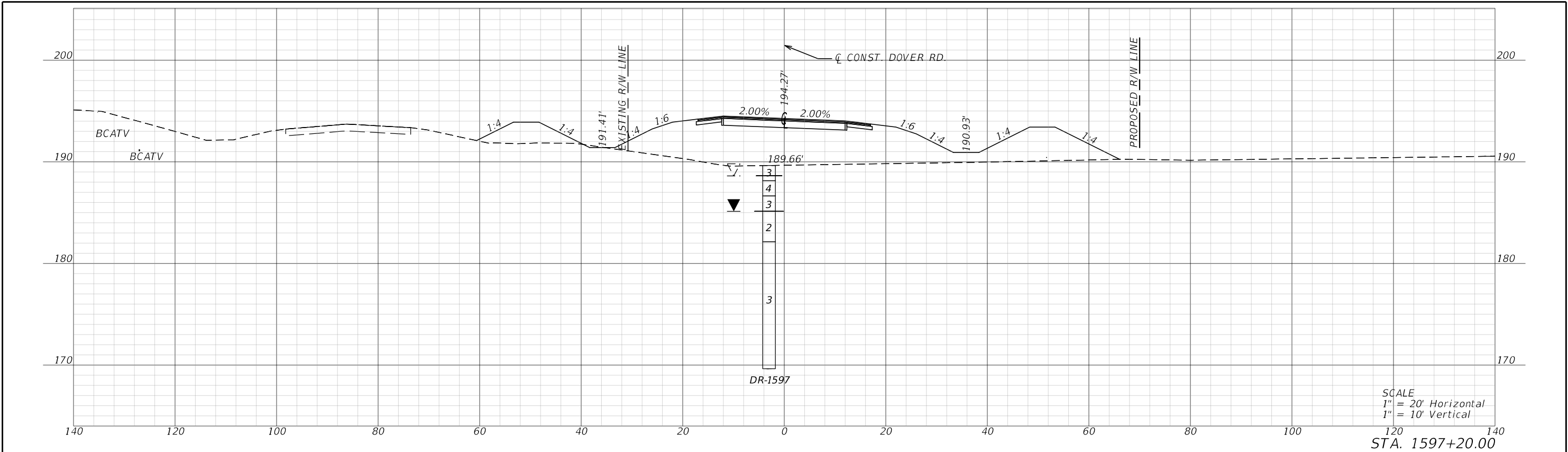
SCALE
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STA. 1594+50.00 CR 268

REVISIONS				ENGINEER OF RECORD		STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION			CROSS SECTIONS	SHEET NO. 66
DATE	DESCRIPTION	DATE	DESCRIPTION	RICKY E. BRANTON, P.E. LICENSE NUMBER: 57043 MOTT MACDONALD FLORIDA, LLC. 1232 JACKSON AVENUE CHIPLEY, FLORIDA 32428		ROAD NO.	COUNTY	FINANCIAL PROJECT ID		
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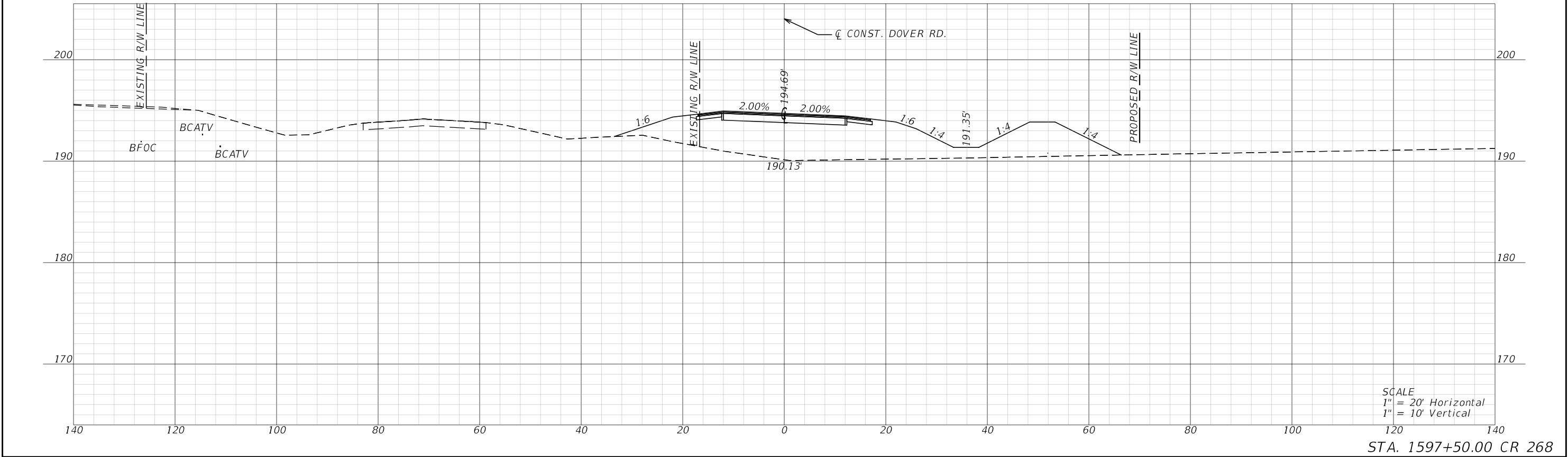
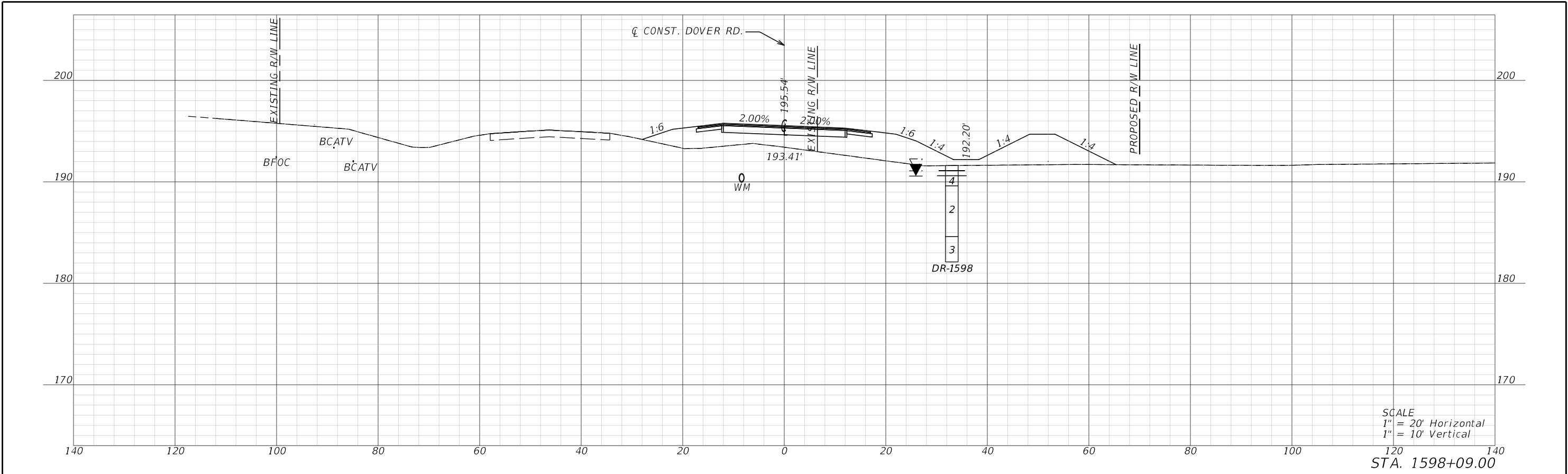
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DATE	DESCRIPTION	DATE	DESCRIPTION	RICKY E. BRANTON, P.E. LICENSE NUMBER: 57043 MOTT MACDONALD FLORIDA, LLC. 1232 JACKSON AVENUE CHIPLEY, FLORIDA 32428			ROAD NO.	COUNTY	FINANCIAL PROJECT ID		
							SR 10	GADSDEN	449500-1-52-01		



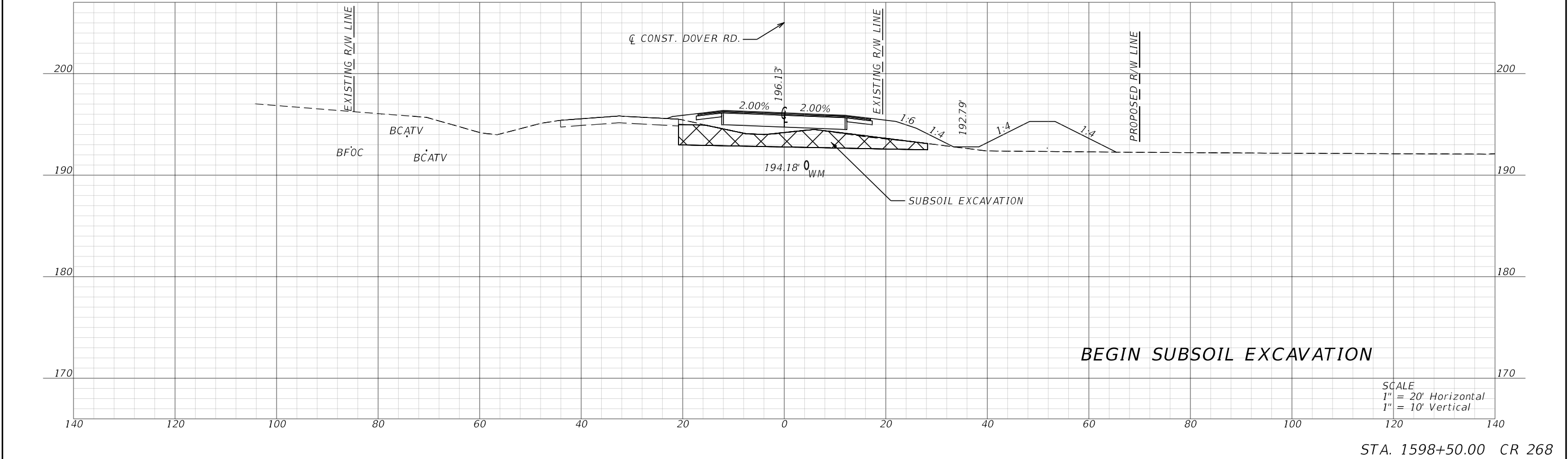
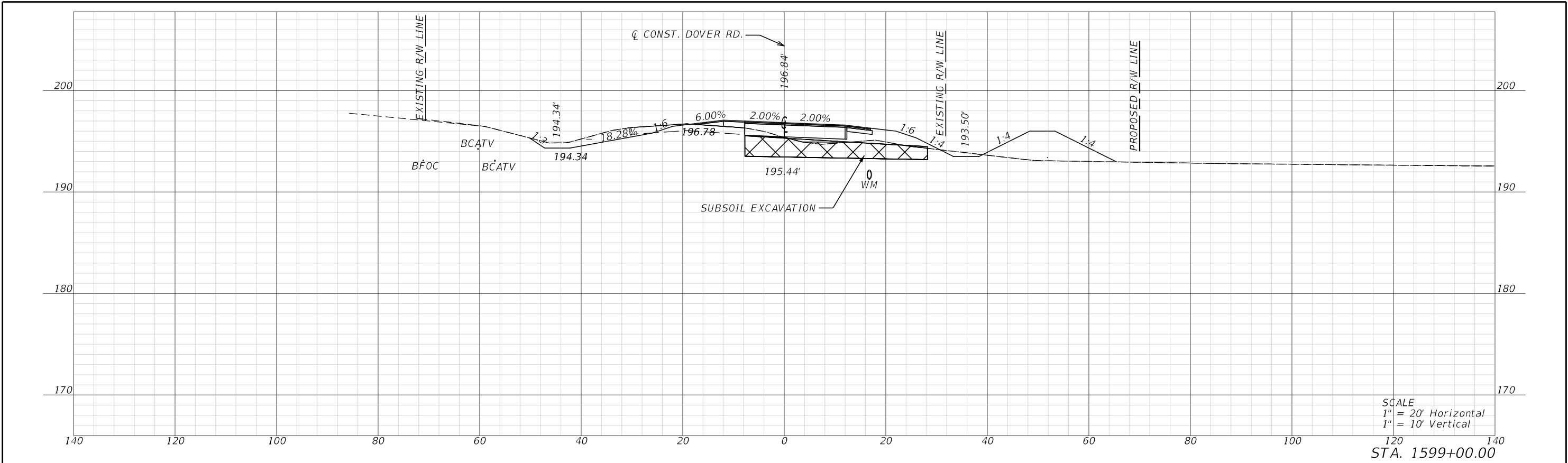
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DATE	DESCRIPTION	DATE	DESCRIPTION	RICKY E. BRANTON, P.E. LICENSE NUMBER: 57043 MOTT MACDONALD FLORIDA, LLC. 1232 JACKSON AVENUE CHIPLEY, FLORIDA 32428		ROAD NO.	COUNTY	FINANCIAL PROJECT ID		
						SR 10	GADSDEN	449500-1-52-01		68

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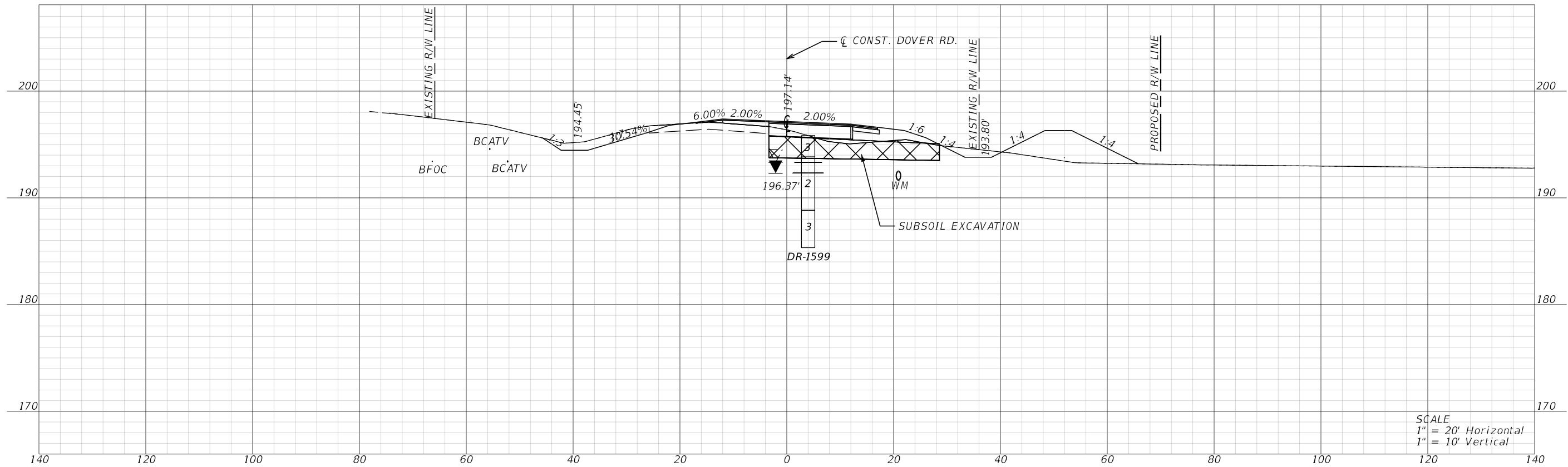
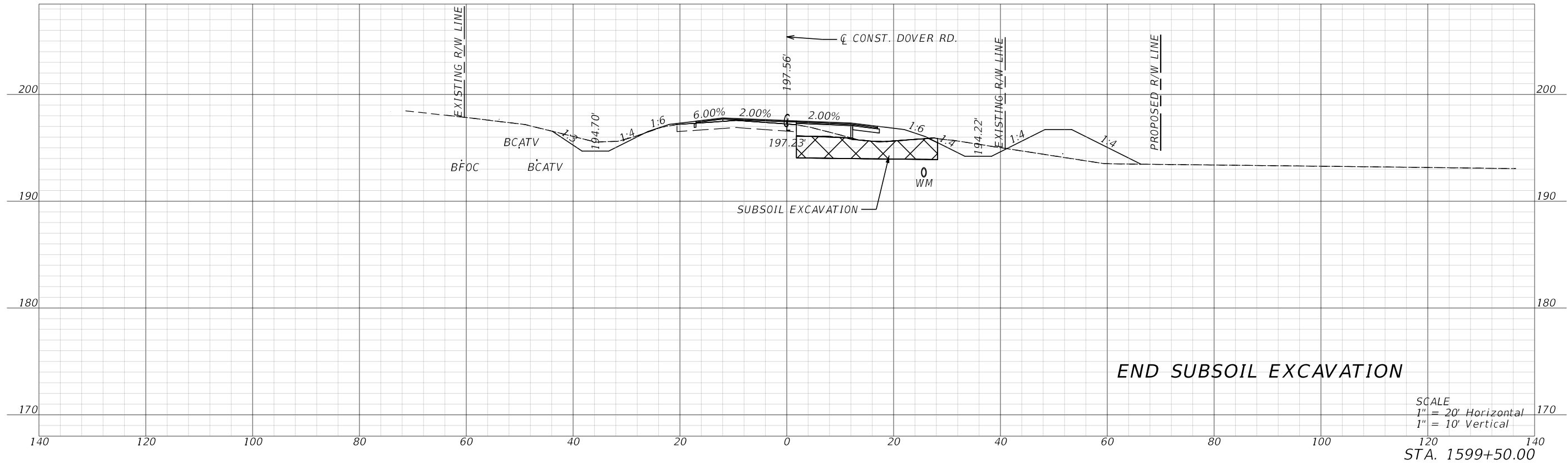
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DATE	DESCRIPTION	DATE	DESCRIPTION	RICKY E. BRANTON, P.E. LICENSE NUMBER: 57043 MOTT MACDONALD FLORIDA, LLC. 1232 JACKSON AVENUE CHIPLEY, FLORIDA 32428		ROAD NO.	COUNTY	FINANCIAL PROJECT ID		
						SR 10	GADSDEN	449500-1-52-01		



REVISIONS				ENGINEER OF RECORD		STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION			CROSS SECTIONS	SHEET NO. 70
DATE	DESCRIPTION	DATE	DESCRIPTION	RICKY E. BRANTON, P.E. LICENSE NUMBER: 57043 MOTT MACDONALD FLORIDA, LLC. 1232 JACKSON AVENUE CHIPLEY, FLORIDA 32428		ROAD NO.	COUNTY	FINANCIAL PROJECT ID		
						SR 10	GADSDEN	449500-1-52-01		

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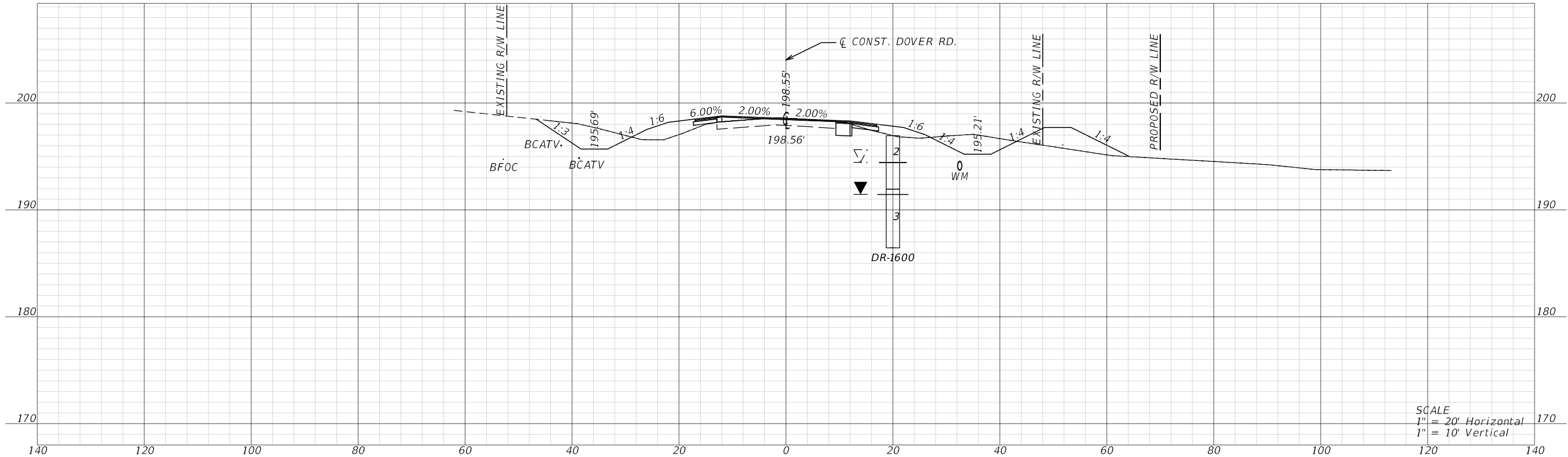
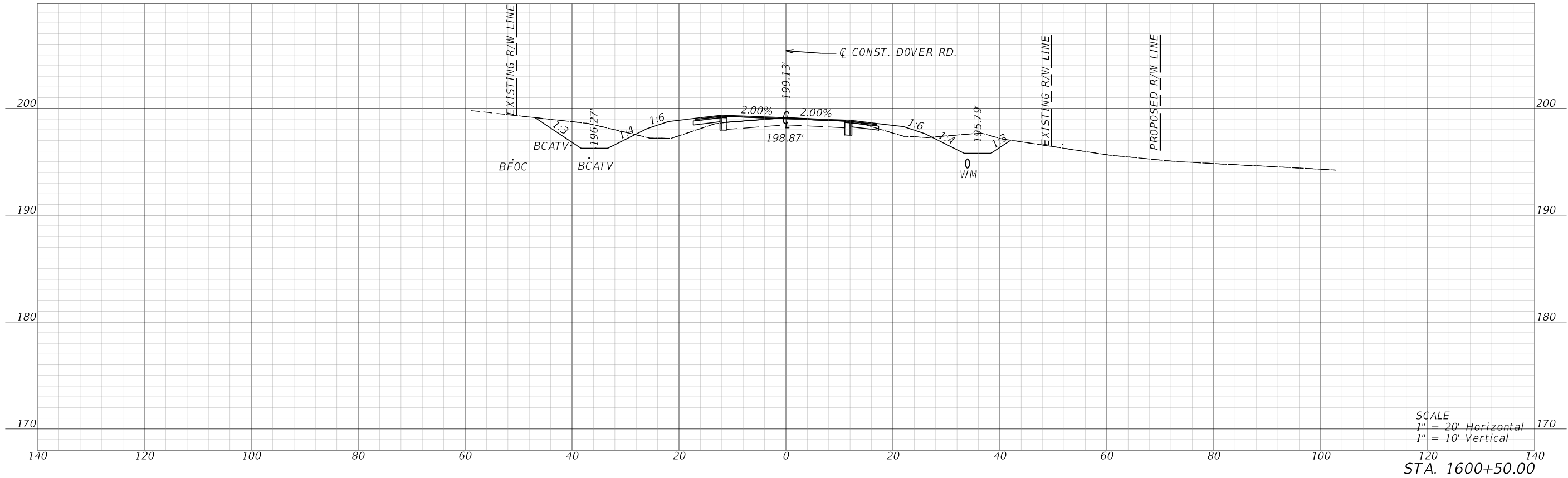


STA. 1599+21.00 CR 268

REVISIONS				ENGINEER OF RECORD		STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION			CROSS SECTIONS	SHEET NO.
DATE	DESCRIPTION	DATE	DESCRIPTION	RICKY E. BRANTON, P.E. LICENSE NUMBER: 57043 MOTT MACDONALD FLORIDA, LLC. 1232 JACKSON AVENUE CHIPLEY, FLORIDA 32428		ROAD NO.	COUNTY	FINANCIAL PROJECT ID		
						SR 10	GADSDEN	449500-1-52-01		71

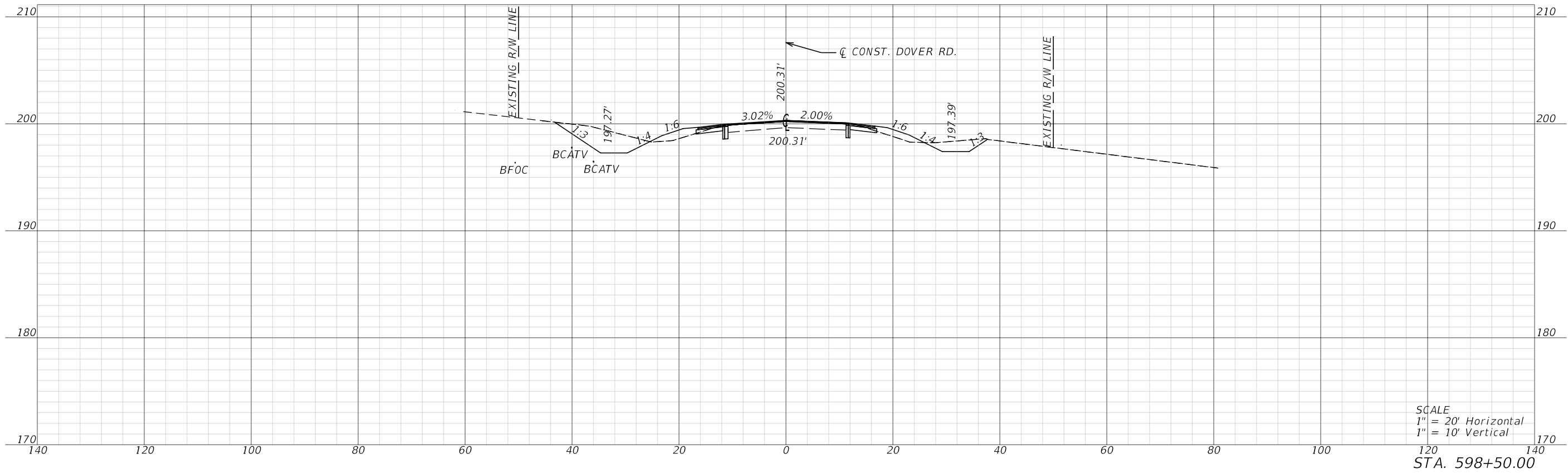
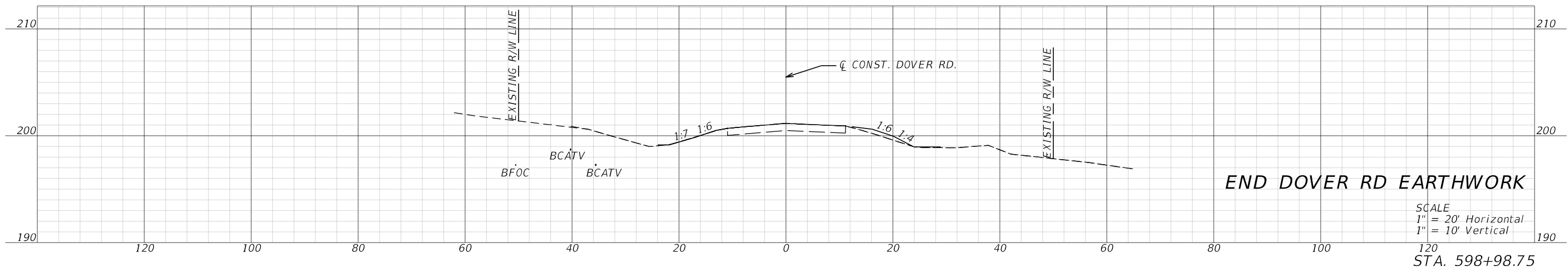
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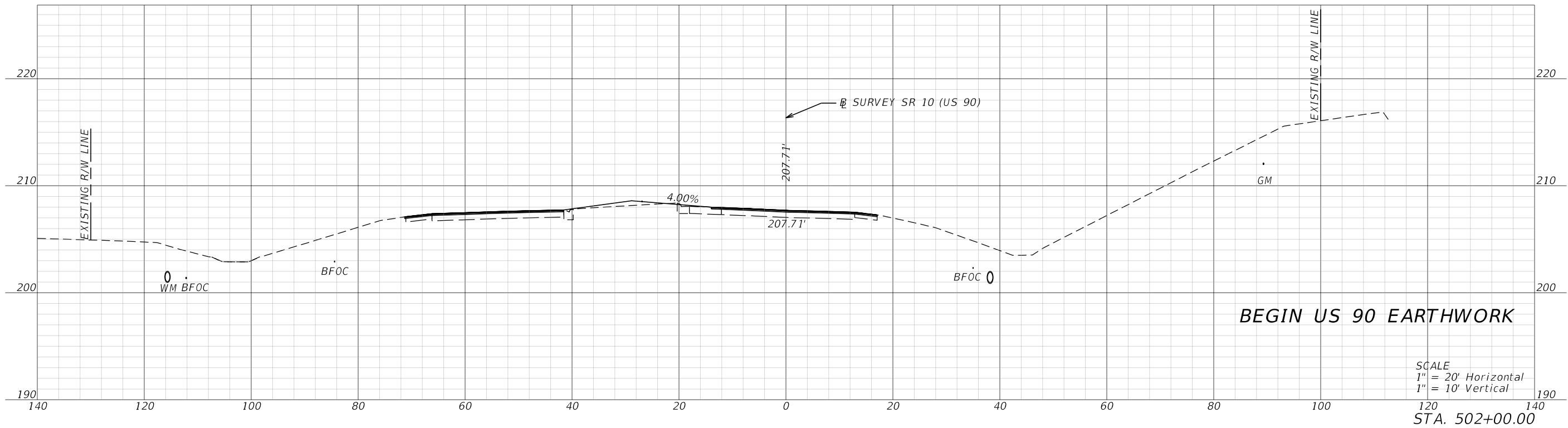
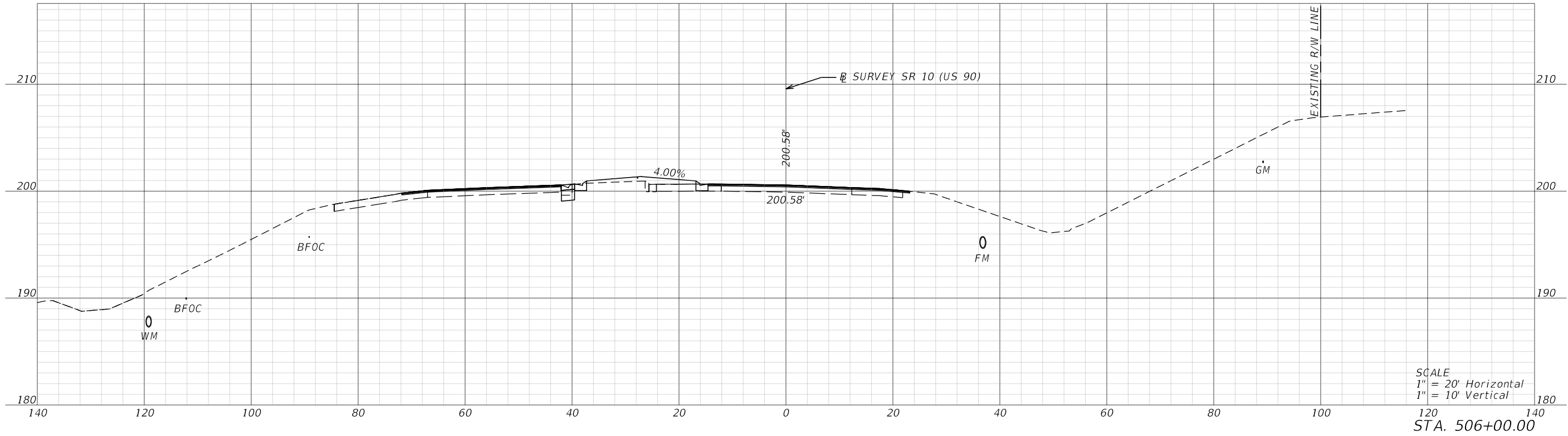


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REVISIONS				ENGINEER OF RECORD	STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION			CROSS SECTIONS	SHEET NO.
DATE	DESCRIPTION	DATE	DESCRIPTION	RICKY E. BRANTON, P.E. LICENSE NUMBER: 57043 MOTT MACDONALD FLORIDA, LLC. 1232 JACKSON AVENUE CHIPLEY, FLORIDA 32428	ROAD NO.	COUNTY	FINANCIAL PROJECT ID		72
					SR 10	GADSDEN	449500-1-52-01		

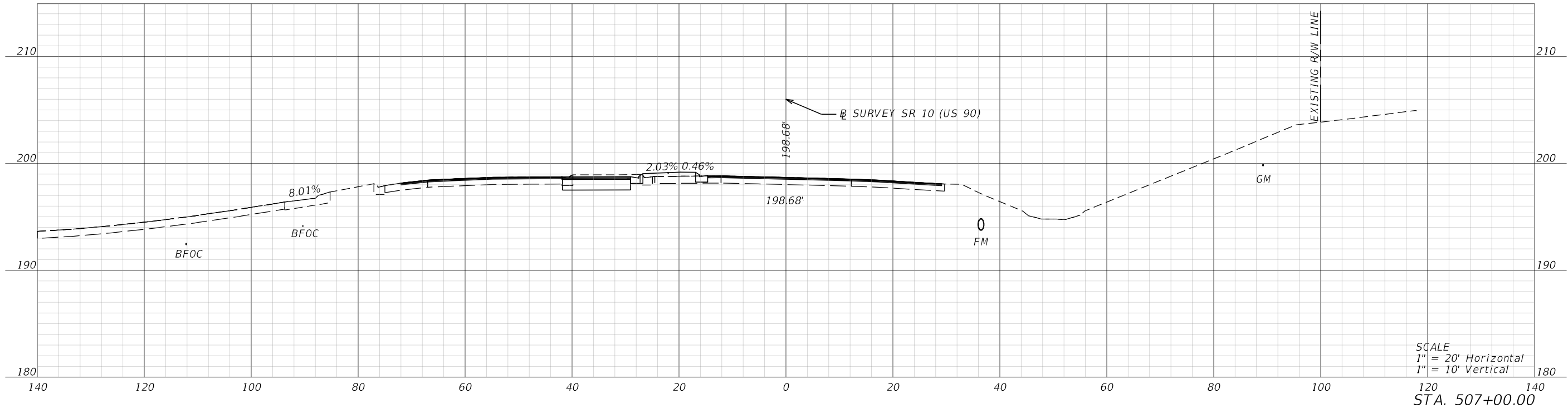
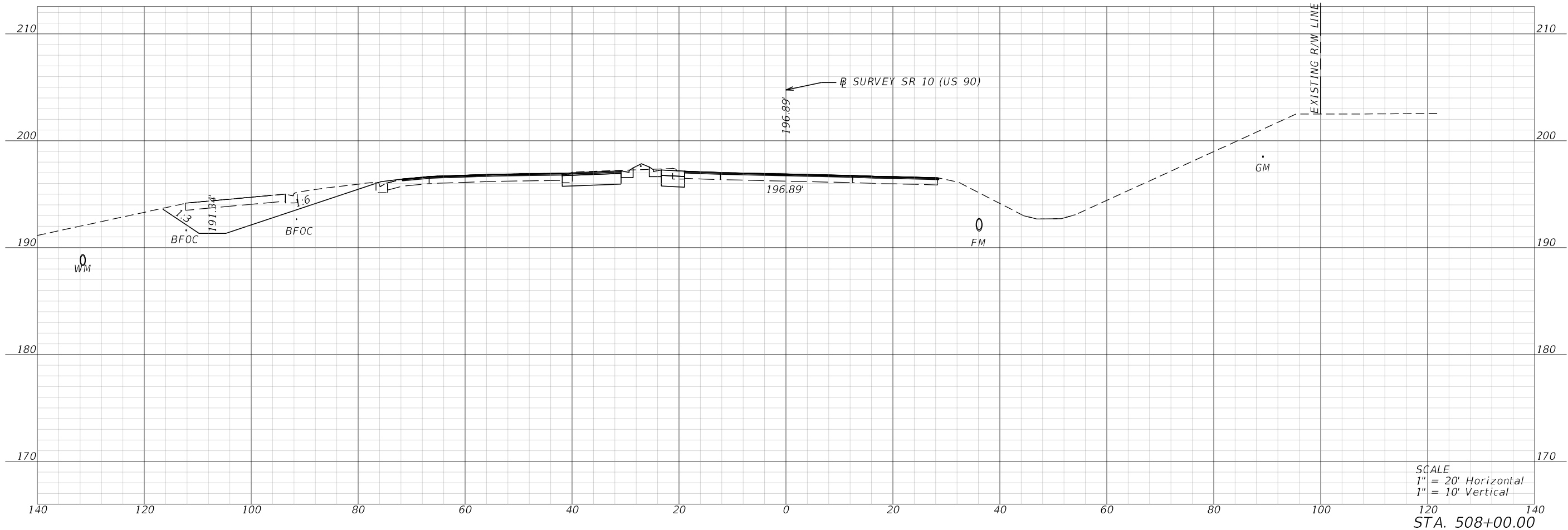


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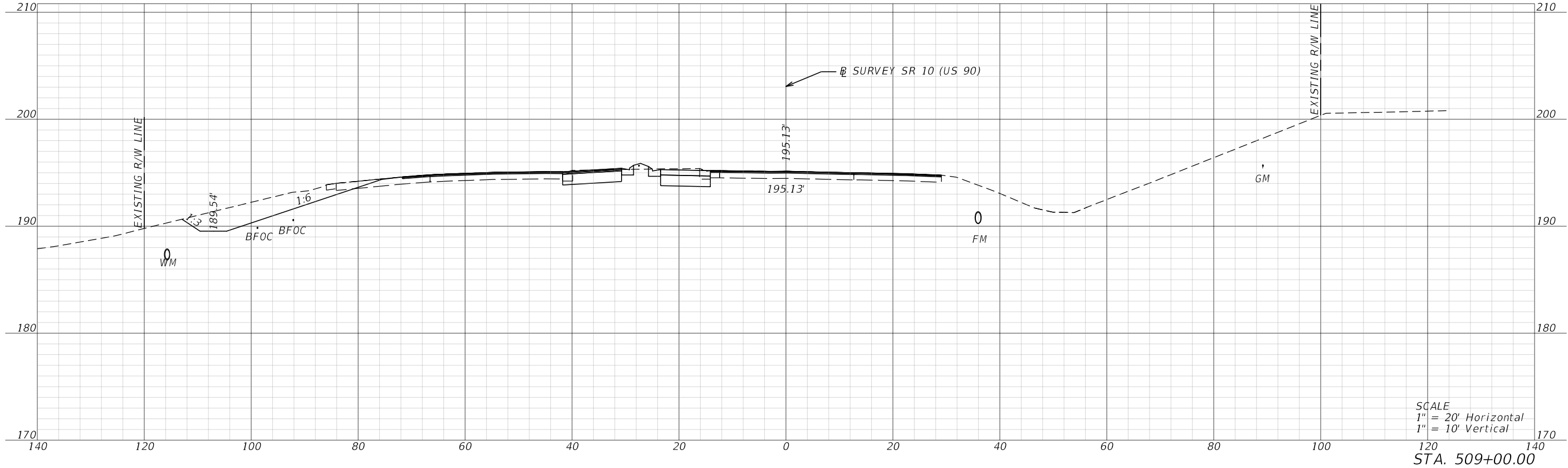
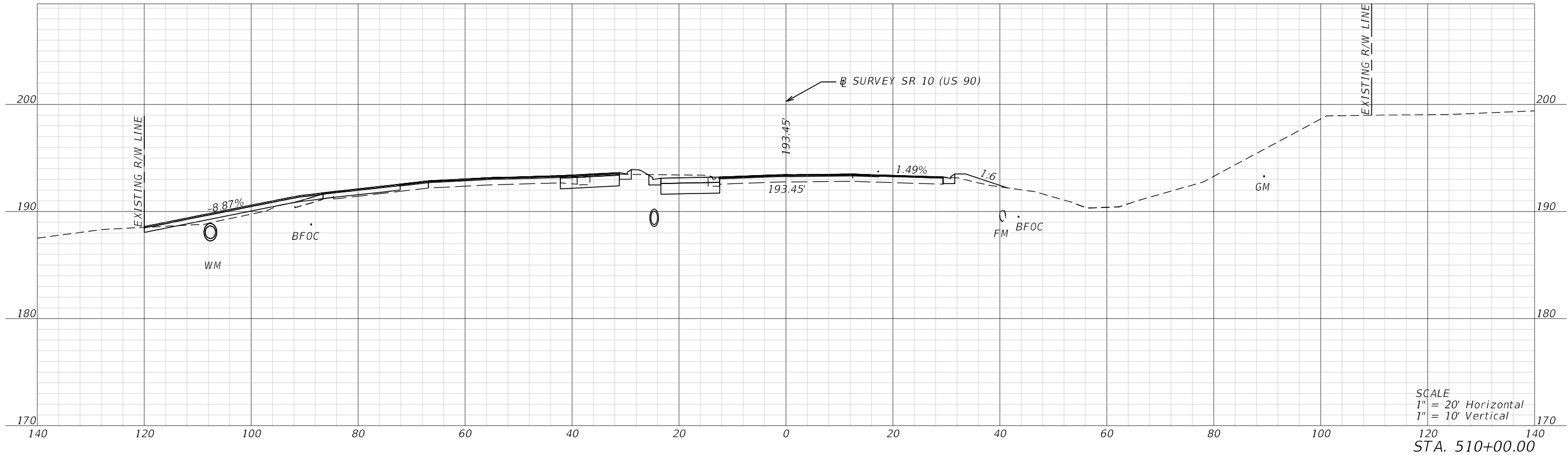
SR 10 (US 90) Widening & Resurfacing

REVISIONS				ENGINEER OF RECORD		STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION			CROSS SECTIONS	SHEET NO.
DATE	DESCRIPTION	DATE	DESCRIPTION	RICKY E. BRANTON, P.E. LICENSE NUMBER: 57043 MOTT MACDONALD FLORIDA, LLC. 1232 JACKSON AVENUE CHIPLEY, FLORIDA 32428		ROAD NO.	COUNTY	FINANCIAL PROJECT ID		
						SR 10	GADSDEN	449500-1-52-01		74



SR 10 (US 90) Widening & Resurfacing

REVISIONS				ENGINEER OF RECORD	STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION			CROSS SECTIONS	SHEET NO.
DATE	DESCRIPTION	DATE	DESCRIPTION	RICKY E. BRANTON, P.E. LICENSE NUMBER: 57043 MOTT MACDONALD FLORIDA, LLC. 1232 JACKSON AVENUE CHIPLEY, FLORIDA 32428	ROAD NO.	COUNTY	FINANCIAL PROJECT ID		75
					SR 10	GADSDEN	449500-1-52-01		

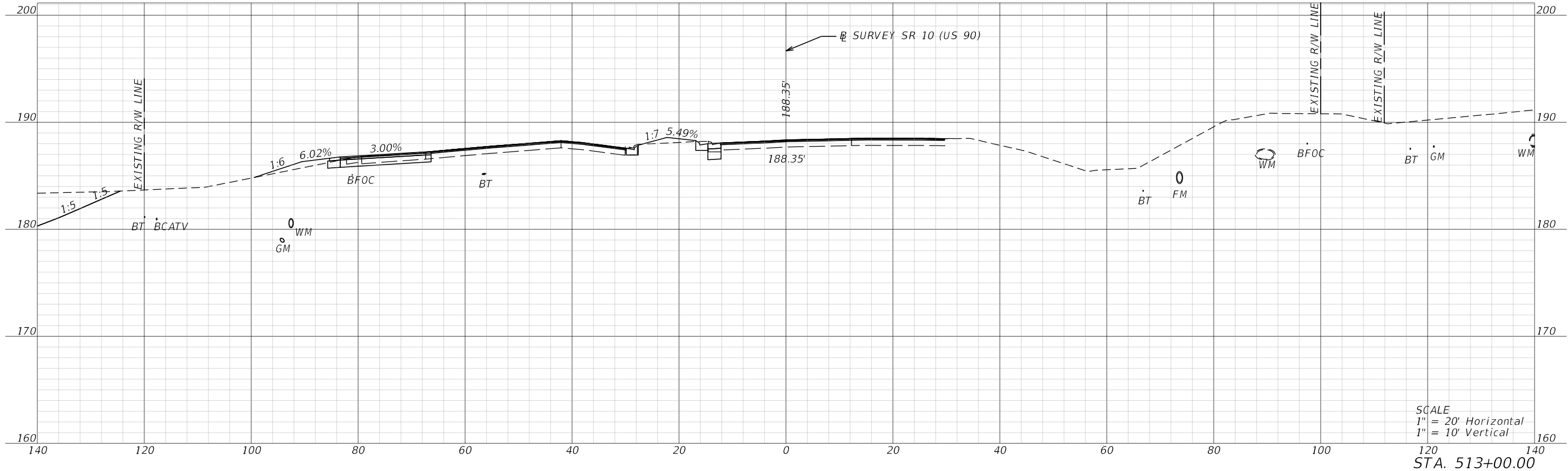
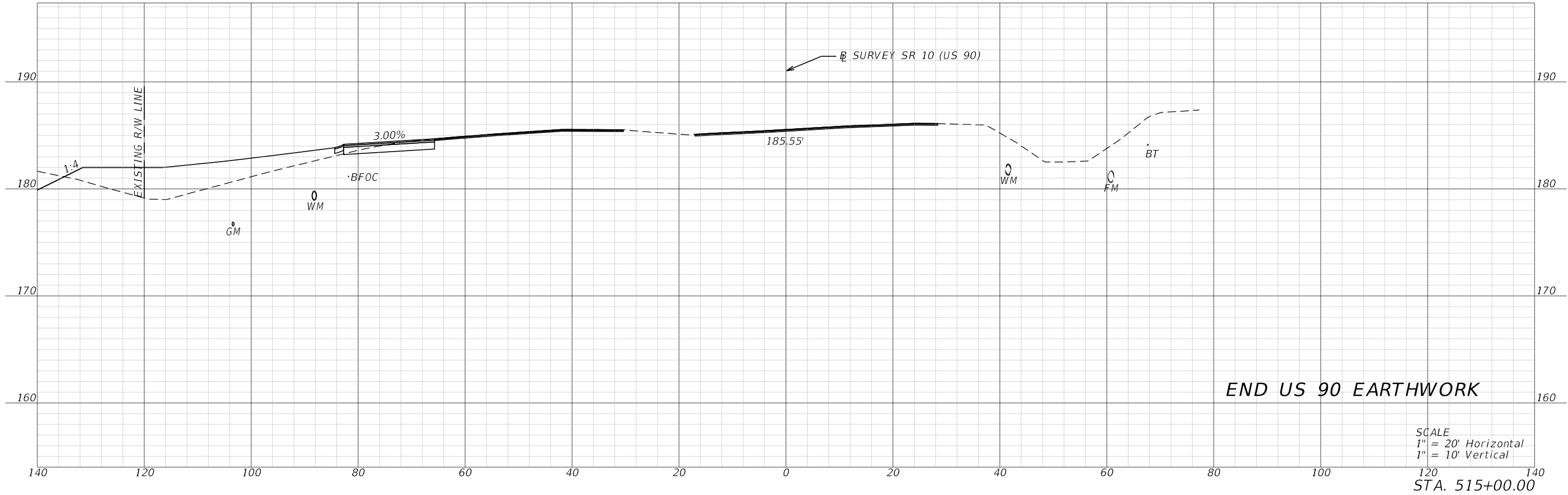


SR 10 (US 90) Widening & Resurfacing

REVISIONS				ENGINEER OF RECORD	STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION			CROSS SECTIONS	SHEET NO.
DATE	DESCRIPTION	DATE	DESCRIPTION	RICKY E. BRANTON, P.E. LICENSE NUMBER: 57043 MOTT MACDONALD FLORIDA, LLC. 1232 JACKSON AVENUE CHIPLEY, FLORIDA 32428	ROAD NO.	COUNTY	FINANCIAL PROJECT ID		76
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SR 10 (US 90) Widening & Resurfacing

REVISIONS				ENGINEER OF RECORD	STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION			CROSS SECTIONS	SHEET NO.
DATE	DESCRIPTION	DATE	DESCRIPTION	RICKY E. BRANTON, P.E. LICENSE NUMBER: 57043 MOTT MACDONALD FLORIDA, LLC. 1232 JACKSON AVENUE CHIPLEY, FLORIDA 32428	ROAD NO.	COUNTY	FINANCIAL PROJECT ID		77
					SR 10	GADSDEN	449500-1-52-01		

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THE FOLLOWING NARRATIVE OF THE STORMWATER POLLUTION PREVENTION PLAN CONTAINS REFERENCES TO THE STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION, THE DESIGN STANDARDS, AND OTHER SHEETS OF THESE CONSTRUCTION PLANS. THE FIRST SHEET OF THE CONSTRUCTION PLANS (CALLED THE KEY SHEET) CONTAINS AN INDEX TO THE OTHER SHEETS. THE COMPLETE STORMWATER POLLUTION PREVENTION PLAN INCLUDES SEVERAL ITEMS: THIS NARRATIVE DESCRIPTION, THE DOCUMENTS REFERENCED IN THIS NARRATIVE, THE CONTRACTOR'S APPROVED EROSION CONTROL PLAN REQUIRED BY SPECIFICATION SECTION 104, AND REPORTS OF INSPECTIONS MADE DURING CONSTRUCTION.

1.0 SITE DESCRIPTION:

1.A. NATURE OF CONSTRUCTION ACTIVITY:

THE PROJECT IS THE RECONSTRUCTION OF DOVER ROAD (CR 159) AT THE INTERSECTION OF SR 10/US 90 (MEMORIAL BLUE STAR HIGHWAY). THIS INVOLVES CONSTRUCTING A NEW ROADWAY SURFACE, PAVED SHOULDERS, TURN LANES, AN UNDERGROUND STORM DRAIN SYSTEM AND A STORMWATER MANAGEMENT FACILITY (SWMF) ALONG DOVER ROAD. ADDITIONAL IMPROVEMENTS SUCH AS RESURFACING, A NEW SIGNAL AND PEDESTRIAN FEATURES ARE ALSO INCLUDED FOR SR 10/US 90.

1.B. SEQUENCE OF MAJOR SOIL DISTURBING ACTIVITIES:

IN THE SEDIMENT AND EROSION CONTROL PLAN, THE CONTRACTOR SHALL PROVIDE A DETAILED SEQUENCE OF CONSTRUCTION FOR ALL CONSTRUCTION ACTIVITIES. THE CONTRACTOR SHALL FOLLOW THE SEQUENCE OF MAJOR ACTIVITIES DESCRIBED BELOW, UNLESS THE CONTRACTOR PROPOSES A DIFFERENT SEQUENCE THAT IS EQUAL OR BETTER AT CONTROLLING EROSION AND TRAPPING SEDIMENT AND IS APPROVED BY THE ENGINEER.

FOR EACH CONSTRUCTION PHASE, INSTALL PERIMETER CONTROLS AFTER CLEARING AND GRUBBING NECESSARY FOR INSTALLATION OF CONTROLS BUT BEFORE BEGINNING OTHER WORK FOR THE CONSTRUCTION PHASE. REMOVE PERIMETER CONTROLS ONLY AFTER ALL UPSTREAM AREAS ARE STABILIZED.

1. CLEARING AND GRUBBING, EARTHWORK, AND STORM DRAIN CONSTRUCTION FOR THE OUTFALL FROM THE SWMF.
2. CLEARING AND GRUBBING, EARTHWORK FOR SWMF CONSTRUCTION.
3. STORM DRAIN CONSTRUCTION. CONSTRUCT THE STORM DRAIN PIPE IN THE UPSTREAM DIRECTION.
4. EARTHWORK ASSOCIATED WITH THE CONSTRUCTION OF ROADWAY, CURB, SUBGRADE, BASE, PAVEMENT, AND SIDEWALK.

1.C. AREA ESTIMATES:

TOTAL SITE AREA: 25.7 ACRES.
TOTAL AREA TO BE DISTURBED: 7.51 ACRES.

1.D. RUNOFF DATA:

RUNOFF COEFFICIENTS:
BEFORE: 0.50
DURING: VARIES FROM 0.50 TO 0.60
AFTER: 0.55

SOILS DATA: THE RESULTS OF THE SOIL BORINGS ALONG THE ROADWAY ARE SHOWN IN THE ROADWAY SOIL SURVEY SHEET(S). THE RESULTS OF SOIL BORINGS DONE IN THE SMWF ARE SHOWN ON THE SWMF SOIL SURVEY SHEET. THE NUMBERS FOR THESE ARE IDENTIFIED ON THE KEY SHEET OF THESE CONSTRUCTION PLANS. IN GENERAL, THE SOILS ARE CLAYEY SANDS.

OUTFALL INFORMATION:

THERE ARE 2 OUTFALLS.

#1 DESCRIPTION: CROSS DRAIN ON EAST SIDE OF DOVER ROAD.

LOCATION: LATITUDE 30°30'25"N, LONGITUDE 87°27'15"W
EST. DRAINAGE AREA SIZE: UNKNOWN
RECEIVING WATER NAME: HOLLEY BRANCH

#2 DESCRIPTION: MES/DITCH ON SOUTH SIDE OF SR 10.

LOCATION: LATITUDE 30°30'18"N, LONGITUDE 84°27'15"W
EST. DRAINAGE AREA SIZE: UNKNOWN
RECEIVING WATER NAME: MIDWAY BRANCH

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, THE PLAN-PROFILE SHEETS, AND THE SWMF SHEET.

* AREAS OF SOIL DISTURBANCE: THE AREAS TO BE DISTURBED ARE INDICATED ON THE PLAN-PROFILE SHEETS, THE CROSS SECTION SHEETS AND THE SWMF SHEET. ANY AREAS WHERE PERMANENT FEATURES ARE SHOWN TO BE CONSTRUCTED ABOVE OR BELOW GROUND WILL BE DISTURBED.

* LOCATIONS OF TEMPORARY CONTROLS: THESE ARE SHOWN ON THE EROSION CONTROL PLAN SHEETS. TABLES PROVIDING SUMMARIES OF TEMPORARY EROSION AND SEDIMENT CONTROL ITEMS ARE PROVIDED IN THE ESTIMATED QUANTITIES REPORT.

* LOCATIONS OF PERMANENT CONTROLS: THE SWMF ARE THE PRIMARY PERMANENT STORMWATER MANAGEMENT CONTROLS. THESE ARE SHOWN ON THE SWMF 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 SHEETS, THE PLAN-PROFILE SHEETS AND THE SWMF SHEET.

* SURFACE WATERS: THE TWO SURFACE WATERS WITHIN THE SITE ARE HOLLEY AND MIDWAY BRANCH. THE DOVER ROAD REALIGNMENT WILL TRAVERSE HOLLEY BRANCH NEAR STATION 1590+00. THE EXISTING STORM DRAIN SYSTEM OUTFALLS IN THE SOUTHERN DITCH ALONG SR 10 NEAR STATION 511+00 WHICH DRAINS EAST TOWARDS MIDWAY BRANCH. THESE LOCATIONS ARE SHOWN ON THE PLAN SHEETS-PROFILE SHEETS AND THE SWMF SHEET.

* DISCHARGE POINTS TO SURFACE WATERS: THERE ARE TWO.

1.F. RECEIVING WATERS:

SEE ITEM 1.D FOR THE OUTFALL LOCATIONS AND RECEIVING WATER NAMES.

2.0 CONTROLS:

2.A. EROSION AND SEDIMENT CONTROLS:

IN THE SEDIMENT AND EROSION CONTROL PLAN, THE CONTRACTOR SHALL DESCRIBE THE PROPOSED STABILIZATION AND STRUCTURAL PRACTICES BASED ON THE CONTRACTOR'S PROPOSED TEMPORARY TRAFFIC CONTROL (TTC) PLAN. THE FOLLOWING RECOMMENDED GUIDELINES ARE BASED ON THE TEMPORARY TRAFFIC CONTROL PLAN OUTLINED IN THE CONSTRUCTION PLANS. WHERE FOLLOWING THE TEMPORARY TRAFFIC CONTROL PLAN OUTLINED IN THESE CONSTRUCTION PLANS, THE CONTRACTOR MAY CHOSE TO ACCEPT THE FOLLOWING GUIDELINES OR MODIFY THEM IN THE SEDIMENT AND EROSION CONTROL PLAN, SUBJECT TO APPROVAL BY THE ENGINEER. AS WORK PROGRESSES, THE CONTRACTOR SHALL MODIFY THE PLAN TO ADAPT TO SEASONAL VARIATIONS, CHANGES IN CONSTRUCTION ACTIVITIES, AND THE NEED FOR BETTER PRACTICES.

FOR EACH CONSTRUCTION PHASE, INSTALL PERIMETER CONTROLS AFTER CLEARING AND GRUBBING NECESSARY FOR INSTALLATION OF CONTROLS BUT BEFORE BEGINNING OTHER WORK FOR THE CONSTRUCTION PHASE. REMOVE PERIMETER CONTROLS ONLY AFTER ALL UPSTREAM AREAS ARE STABILIZED.

2.A.1 STABILIZATION PRACTICES:

IN THE SEDIMENT AND EROSION CONTROL PLAN, DESCRIBE THE STABILIZATION PRACTICES PROPOSED TO CONTROL EROSION. INITIATE ALL STABILIZATION MEASURES AS SOON AS PRACTICAL, BUT IN NO CASE MORE THAN 7 DAYS AFTER CONSTRUCTION ACTIVITIES HAVE TEMPORARILY OR PERMANENTLY CEASED. THE STABILIZATION PRACTICES SHALL INCLUDE AT LEAST THE FOLLOWING, UNLESS OTHERWISE APPROVED BY THE ENGINEER.

TEMPORARY:

* ARTIFICIAL COVERINGS IN ACCORDANCE WITH SPECIFICATION SECTION 104.

* TURF AND SOD IN ACCORDANCE WITH SPECIFICATION SECTION 104.

PERMANENT:

* ASPHALT OR CONCRETE SURFACE.

* PERFORMANCE TURF AND SOD IN ACCORDANCE WITH SPECIFICATION SECTION 570.

* RIPRAP RUBBLE.

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STORMWATER POLLUTION
PREVENTION PLAN

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2.A.2 STRUCTURAL PRACTICES:

IN THE SEDIMENT AND EROSION CONTROL PLAN, THE CONTRACTOR SHALL DESCRIBE THE PROPOSED STRUCTURAL PRACTICES TO CONTROL OR TRAP SEDIMENT AND OTHERWISE PREVENT THE DISCHARGE OF POLLUTANTS FROM EXPOSED AREAS OF THE SITE. SEDIMENT CONTROLS SHALL BE IN PLACE BEFORE DISTURBING SOIL UPSTREAM OF THE CONTROL. THE STRUCTURAL PRACTICES SHALL INCLUDE AT LEAST THE FOLLOWING, UNLESS OTHERWISE APPROVED BY THE ENGINEER:

TEMPORARY:

* SEDIMENT BARRIERS IN ACCORDANCE WITH SPECIFICATION SECTION 104, AND THE STATE OF FLORIDA EROSION AND SEDIMENT CONTROL - DESIGNER REVIEWER MANUAL.

* STAKED TURBIDITY BARRIERS IN ACCORDANCE WITH SPECIFICATION SECTION 104.

* INLET PROTECTION IN ACCORDANCE WITH SPECIFICATION SECTION 104, THE STATE OF FLORIDA EROSION AND SEDIMENT CONTROL - DESIGNER REVIEWER MANUAL AND DETAILS IN THE TTC PLAN.

* RUNOFF CONTROL STRUCTURES IN ACCORDANCE WITH THE STATE OF FLORIDA EROSION AND SEDIMENT CONTROL - DESIGNER REVIEWER MANUAL.

PERMANENT:

* STORMWATER MANAGEMENT FACILITY.

* SOD.

2.B STORMWATER MANAGEMENT:

A STORM DRAIN SYSTEM WILL BE CONSTRUCTED TO CONVEY RUNOFF TO A STORMWATER FACILITY. THE FACILITY WILL BE PERMITTED BY THE FLORIDA DEPARTMENT OF ENVIRONMENTAL PROTECTION (FDEP) AND THE NORTHWEST FLORIDA WATER MANAGEMENT DISTRICT (NWFWMD) AND COMPLY WITH APPLICABLE STANDARD PLANS.

2.C OTHER CONTROLS:

2.C.1 WASTE DISPOSAL:

IN THE SEDIMENT AND EROSION CONTROL PLAN, DESCRIBE THE PROPOSED METHODS TO PREVENT THE DISCHARGE OF SOLID MATERIALS, INCLUDING BUILDING MATERIALS, TO WATERS OF THE UNITED STATES. THE PROPOSED METHODS SHALL INCLUDE AT LEAST THE FOLLOWING, UNLESS OTHERWISE APPROVED BY THE ENGINEER:

* PROVIDING LITTER CONTROL AND COLLECTION WITHIN THE PROJECT DURING CONSTRUCTION ACTIVITIES.

* DISPOSING OF ALL FERTILIZER OR OTHER CHEMICAL CONTAINERS ACCORDING TO EPA'S STANDARD PRACTICES AS DETAILED BY THE MANUFACTURER.

* DISPOSING OF SOLID MATERIALS INCLUDING BUILDING AND CONSTRUCTION MATERIALS OFF THE PROJECT SITE BUT NOT IN SURFACE WATERS, OR WETLANDS.

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

IN THE SEDIMENT AND EROSION CONTROL PLAN, DESCRIBE THE PROPOSED METHODS FOR MINIMIZING OFFSITE VEHICLE TRACKING OF SEDIMENTS AND GENERATING DUST. INCLUDE IN THE PROPOSED METHODS AT LEAST THE FOLLOWING, UNLESS OTHERWISE APPROVED BY THE ENGINEER:

* COVERING LOADED HAUL TRUCKS WITH TARPAULINS.

* REMOVING EXCESS DIRT FROM ROADS DAILY.

* STABILIZING CONSTRUCTION ENTRANCES ACCORDING TO THE STATE OF FLORIDA EROSION AND SEDIMENT CONTROL - DESIGNER REVIEWER MANUAL.

* USING ROADWAY SWEEPERS DURING DUST GENERATING ACTIVITIES SUCH AS EXCAVATION AND MILLING OPERATIONS.

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

IN THE SPECIFICATION SECTION 104, EROSION CONTROL PLAN, 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, DESCRIBE THE PROCEDURES FOR APPLYING FERTILIZERS AND PESTICIDES. THE PROPOSED PROCEDURES SHALL COMPLY WITH APPLICABLE SUBSECTIONS OF SECTION 982 OF THE SPECIFICATIONS.

2.C.5 TOXIC SUBSTANCES:

IN THE SEDIMENT AND EROSION CONTROL PLAN, 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.D.4 FEDERAL, STATE, AND LOCAL PLANS AND PERMITS:

* NWFWMD INDIVIDUAL PERMIT
* FDEP SECTION 404 INDIVIDUAL PERMIT
* NPDES PERMIT TO BE OBTAINED BY CONTRACTOR.

3.0 MAINTENANCE:

IN THE SEDIMENT AND EROSION CONTROL PLAN, PROVIDE A PLAN FOR MAINTAINING ALL EROSION AND SEDIMENT CONTROLS THROUGHOUT CONSTRUCTION. THE MAINTENANCE PLAN SHALL AT A MINIMUM, COMPLY WITH THE FOLLOWING:

* SEDIMENT BARRIERS: MAINTAIN PER SECTION 104.

* STAKED TURBIDITY BARRIERS: MAINTAIN PER SECTION 104.

* INLET PROTECTION: MAINTAIN PER SECTION 104.

* RUNOFF CONTROL STRUCTURE: MAINTAIN PER SECTION 104.

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, INSTALL AND MAINTAIN RAIN GAUGES AND RECORD THE DAILY RAINFALL. WHERE SITES HAVE BEEN PERMANENTLY STABILIZED, CONDUCT INSPECTIONS AT LEAST ONCE EVERY MONTH. 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.

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, PROVIDE ADDITIONAL MEASURES, AS APPROVED BY THE ENGINEER.

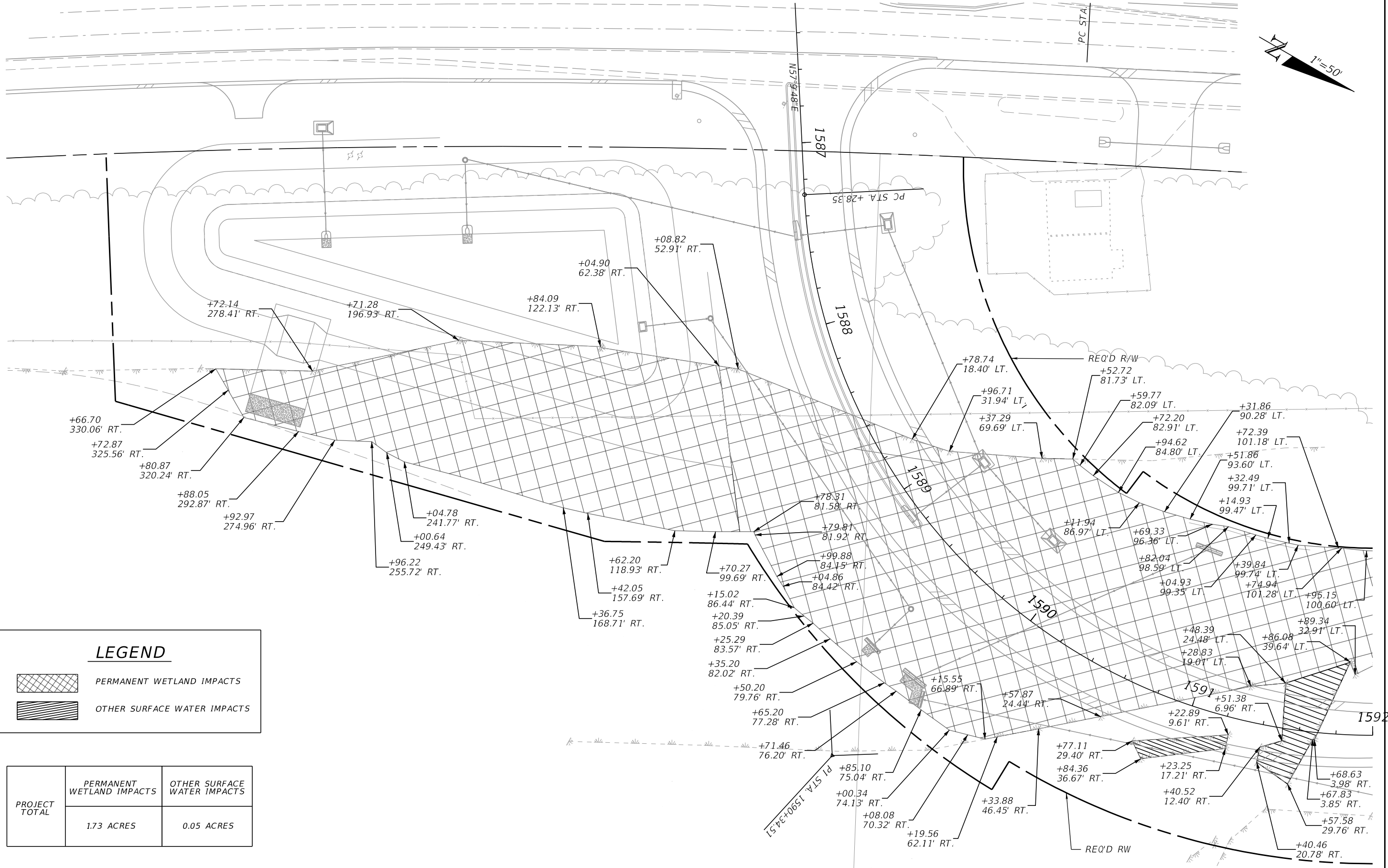
5.0 NON-STORMWATER DISCHARGES:

IN THE SPECIFICATION SECTION 104 EROSION CONTROL PLAN, IDENTIFY ALL ANTICIPATED NON-STORMWATER DISCHARGES (EXCEPT FLOWS FROM FIRE FIGHTING ACTIVITIES). DESCRIBE THE PROPOSED MEASURES TO PREVENT POLLUTION OF THESE NON-STORMWATER DISCHARGES. IF THE CONTRACTOR ENCOUNTERS CONTAMINATED SOIL OR GROUNDWATER, CONTACT THE DISTRICT CONTAMINATION SECTION AT (850) 330-1511.

REVISIONS				ENGINEER OF RECORD	STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION			STORMWATER POLLUTION PREVENTION PLAN	SHEET NO.
DATE	DESCRIPTION	DATE	DESCRIPTION	DANIEL P. SHULL, PE P.E. NO.: 86494 MOTT MACDONALD FLORIDA, LLC. 220 WEST GARDEN STREET, SUITE 700 PENSACOLA, FLORIDA 32502	ROAD NO.	COUNTY	FINANCIAL PROJECT ID		79
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LEGEND

PERMANENT WETLAND IMPACTS

OTHER SURFACE WATER IMPACTS

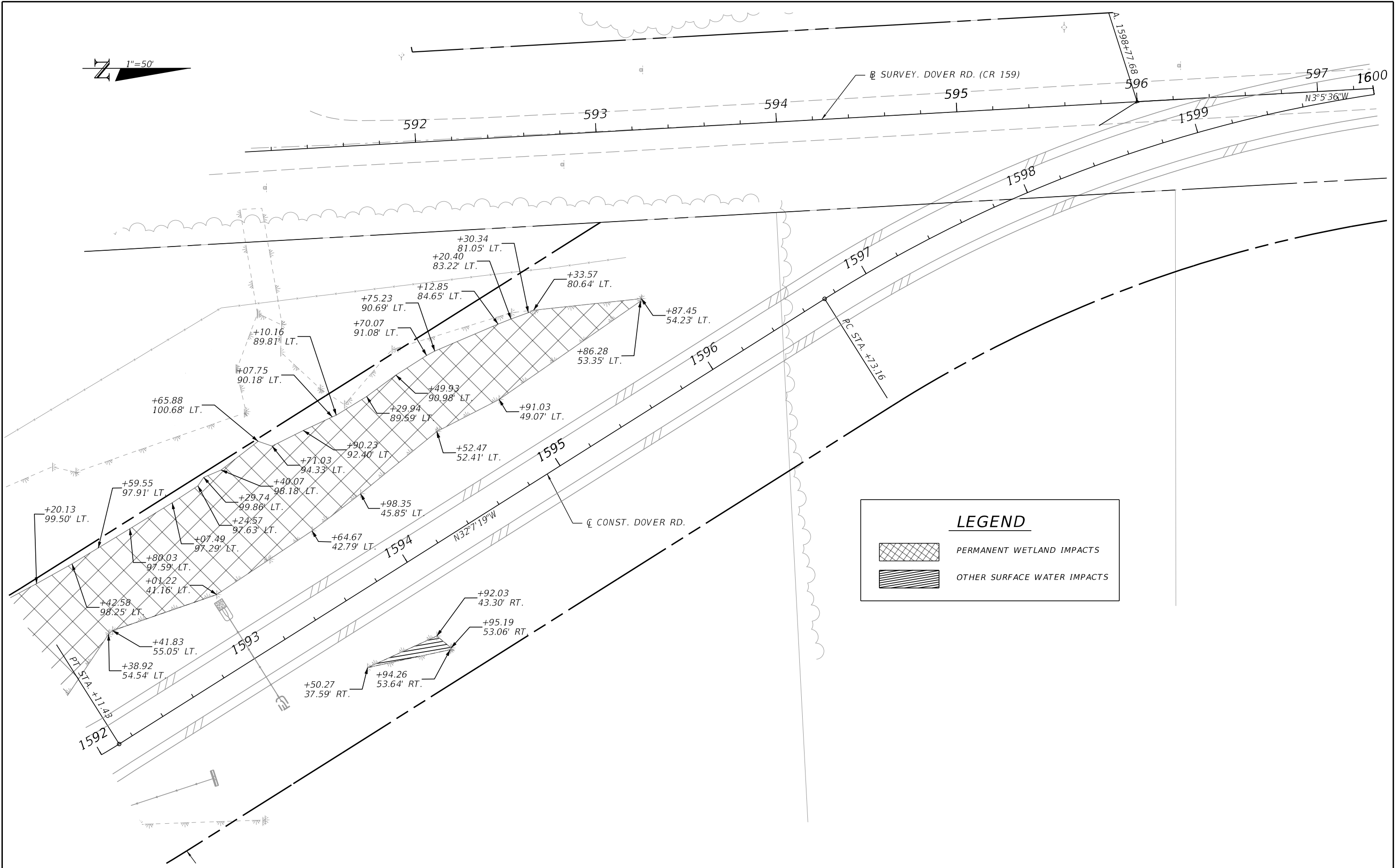
PROJECT TOTAL	PERMANENT WETLAND IMPACTS	OTHER SURFACE WATER IMPACTS
	1.73 ACRES	0.05 ACRES

REVISIONS				ENGINEER OF RECORD			STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION			SHEET NO. 80
DATE	DESCRIPTION		DATE	DESCRIPTION			ROAD NO.	COUNTY	FINANCIAL PROJECT ID	
						DANIEL P. SHULL, P.E. LICENSE NUMBER: 86494 MOTT MACDONALD FLORIDA, LLC. 220 WEST GARDEN STREET, SUITE 700 PENSACOLA, FLORIDA 32502	SR 10	GADSDEN	449500-1-52-01	

WETLAND DELINEATION

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WETLAND DELINEATION

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