Pleasant Corners (2) (665) (62) (END PROJECT STA. 148+26.02 (2) (BER PD PROJECT STA. 122+50.00) (BEGIN PROJECT STA. 122+50.00)

FRANKLIN COUNTY, OHIO OFFICE OF THE COUNTY ENGINEER ZUBER ROAD (T-267) — PLUM RUN DRAINAGE IMPROVEMENTS SECTION 1

LOCATION MAP

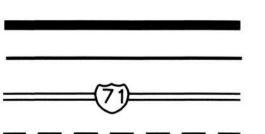
LATITUDE: N 39° 49' 43" LONGITUDE: W 83° 07' 59"

NO SCALE

COUNTY ROAD
INTERSTATE ROUTE

PORTION TO BE IMPROVED

TOWNSHIP ROAD



INDEX OF SHEETS:

JACKSON TOWNSHIP

TITLE SHEET1	
SCHEMATIC PLAN2	
TYPICAL SECTIONS	
GENERAL NOTES 4-5	
GENERAL SUMMARY6	
PROJECT SITE PLAN	
PLAN & PROFILE8-10	
CROSS SECTIONS	
BOX CULVERT DETAILS 18	

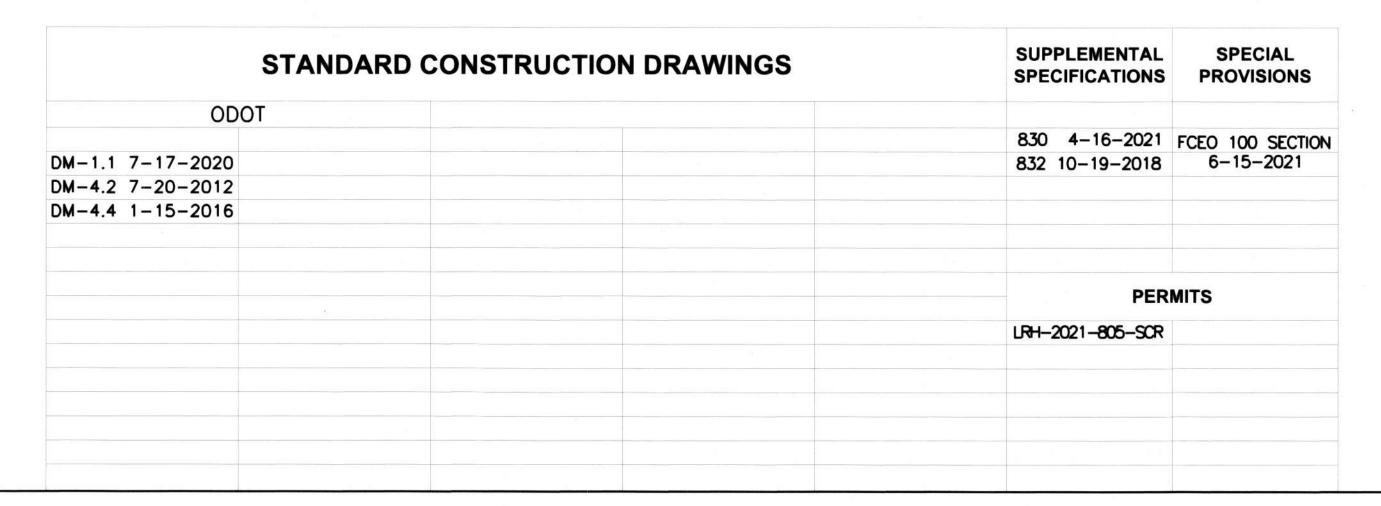
Ohio Utilities Protection Service







Neil Schwartz, PE No. 73229 Registered Engineer



PROJECT DESCRIPTION

This project consists of 2,576 linear feet of drainage ditch improvements and profile grade restoration to address impairment by sediment deposition and allow major flood routing to function properly.

EARTH DISTURBED AREA

Project earth disturbed area: 1.84 Acres
Estimated contractor earth disturbed area: 0.25 Acres
Notice of intent earth disturbed area: 2.09 Acres

2019 SPECIFICATIONS

The 2019 Standard Specifications of the State of Ohio, Department of Transportation, including changes and supplemental specifications listed in the proposal shall govern this improvement unless noted otherwise.

Signatures below signify only concurrence with the general purpose and general location of the project. All technical details remain the responsibility of the engineer preparing the plans.

I approve these plans and declare that the making of this improvement will not require the closing to traffic of the highway and that provisions for the maintenance and safety of traffic will be as set forth in the plans and estimates.

FRANKLIN COUNTY

Date 5/2/2022 Franklin County Engineer

Date 05/02/2022 Franklin County Chief Deputy Enginee

We, the commissioners of Flanklin County in formal session, hereby approve these plans

Approved Am

Approved Franklin County Commissioner

REVISIONS

REV. DESCRIPTION INITIAL DATE

TE N 1 18

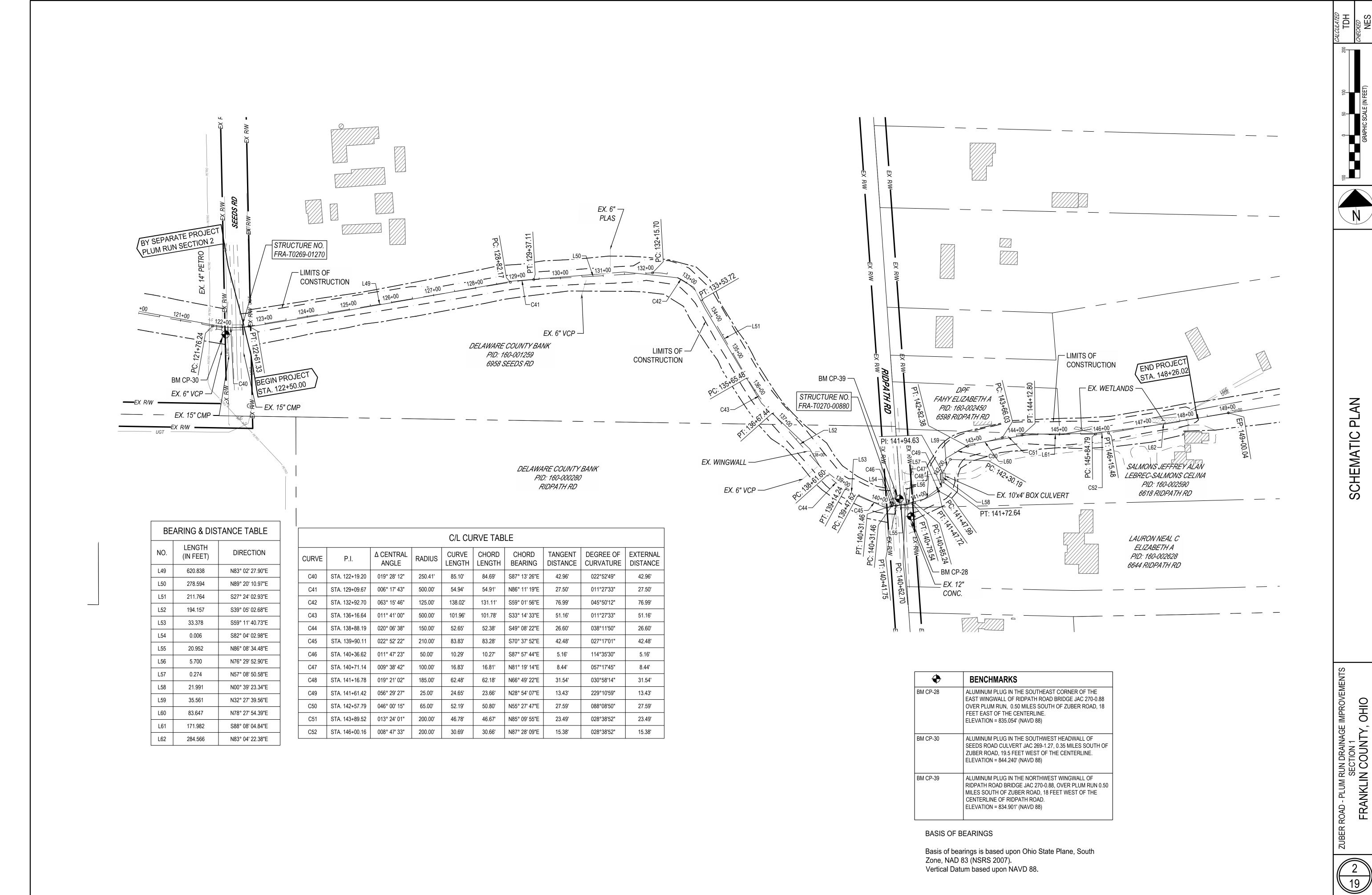
ROAD - PLUM RUN DRAINAGE IMPROV SECTION 1 FRANKLIN COUNTY, OHIO

P.I.D.

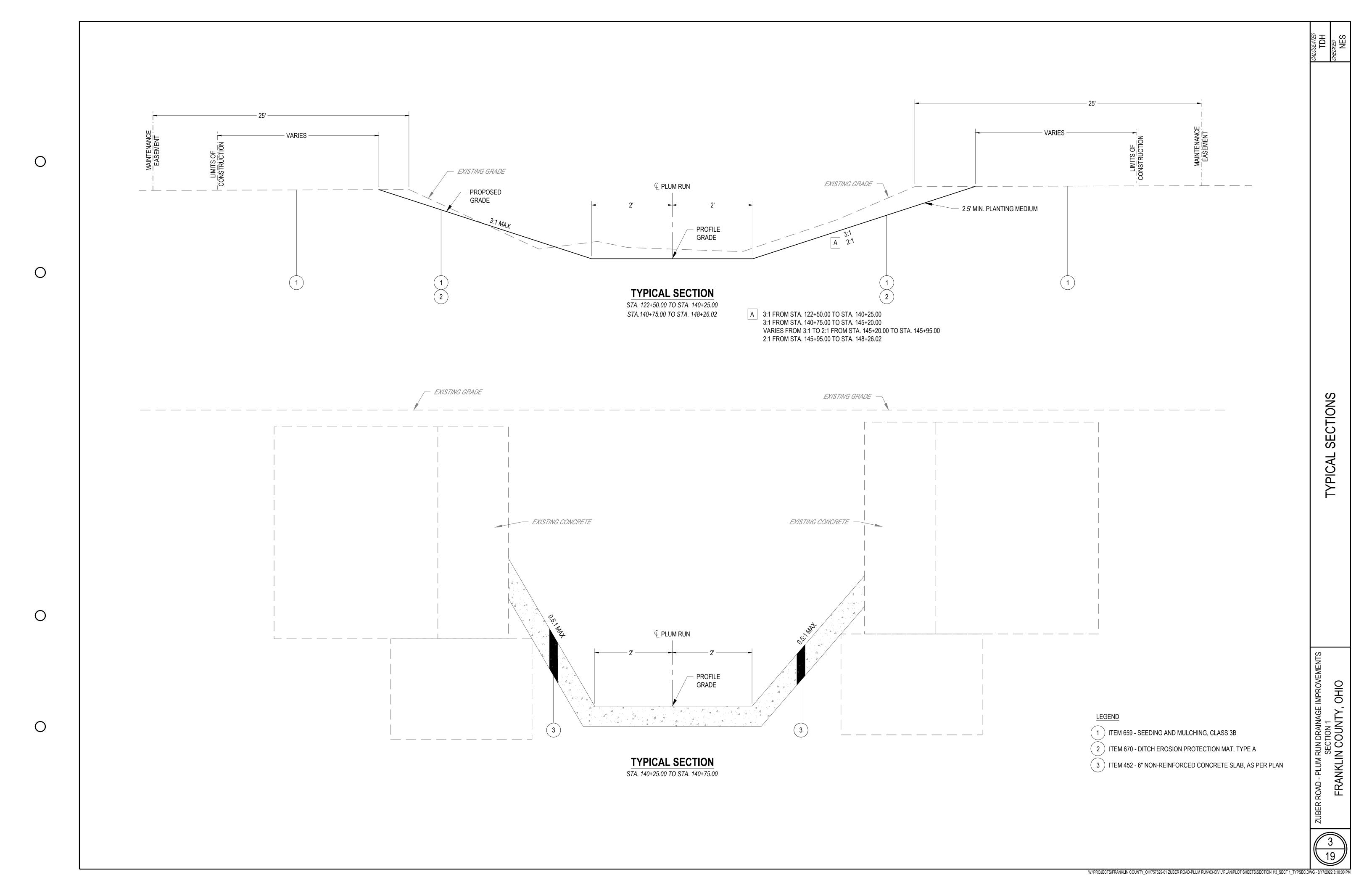
PROJECT

CONSTRUCTION

AD INVOLVEMENT NONE



W:\PROJECTS\FRANKLIN COUNTY_OH\757529-01 ZUBER ROAD-PLUM RUN\03-CIVIL\PLAN\PLOT SHEETS\SECTION 1\2_SECT1_SCHEMA.DWG - 8/17/2022 3:09:55 PM



FRANKLIN COUNTY ENGINEER'S MONUMENTATION

The Contractor shall contact the Franklin County Engineer's Office, Survey Department at (614-525-2489) two working days before disturbing any Franklin County Geodetic Monuments (vertical and/or horizontal) for reference and replacement.

UTILITY COORDINATION

The identity and location of existing underground utilities located in and around the construction area have been shown and labeled on the plan by using information provided by the respective utility owners. The consulting engineer will not assume responsibility for the accuracy of the location or depth of the existing underground utilities as shown on the plan.

Support and protection of all utilities and appurtenances shall be the responsibility of the Contractor. Costs for the repaid and restoration of the exiting utilities damaged by the Contractor shall be the responsibility of the Contractor. The Contractor is responsible for locating all service lateral and lines. Costs associated with the above work and responsibilities shall be included in the price bid for various items.

At least two working days prior to commencing construction operations in an area which may involve underground utility facilities, the Contractor shall notify the engineer, the Ohio Utility Protection Service (OHIO811) by calling (800)362-2764, and the owners of each underground utility facilities within the limits of construction.

The owner of the underground facility shall, within 48 hours (excluding Saturdays, Sundays and legal holidays), mark the location of the underground utility facilities in the construction area in such a manner as to indicate their course and the approximate depth at which they were installed. The marking or locating shall be coordinated to stay approximately two days ahead of the planned construction.

Listed below are utility companies that have facilities located within the work limits of this project and subscribe to OUPS. The list is included for informational purposes only. The Contractor is responsible for contacting all utility owners in the project area prior to start of construction whether listed on this page or not.

GAS
Columbia Gas
3550 Johnny Appleseed Ct
Columbus, OH 43231
E: rcaldwell@nisource.com
P: 614-818-2104
Contact: Rob Caldwell

Marathon Pipe Line LLC
20-C Industrial Drive
Lexington, OHh 44904
E:gcnewman@marathonpetroleum.Com
P: 419-884-0800 x 236
Contact: Greg Newman
ELECTRIC

ELECTRIC
American Electric Power
700 Worrison Road
Gahanna, OH 43230
E: tl_publicprojects@aep.com
P:614-552-1893
Contact: Michael Carr

PO Box 250
Lancaster, OH 43130
E: musick@southcentralpower.com
P: 740-653-4422
Contact: Tom Musick
COMMUNICATIONS

South Central Power

COMMUNICATIONS
Charter Communications / Spectrum
3760 Interchange Road
Columbus, OH 43204
E: samuel.Lutz@charter.com
P: 614-481-5047
Contact: Sam Lutz

COMMUNICATIONS
AT&T
111 North 4th Street
Columbus, OH 43215
E: gv2758@att.com
P: 614-223-7276
Contact: Gary Vanalmsick

WORK LIMITS

The work limits shown on these plans are for physical construction only. Provide the installation and operation of all work zone traffic control and work zone traffic control devices required by these plans whether inside or outside these work limits.

HOURS OF OPERATION

Contractor's work hours shall be limited to 7:00 A.M. to 9:00 P.M. Monday through Saturday, unless permission is granted by the Engineer in writing. The Contractor shall be required to adhere to all local noise ordinances.

PRECONSTRUCTION MEETING AND EEO-PREVAILING WAGE SESSION

The Contractor shall meet for a preconstruction meeting scheduled by the County as per Franklin County General Provision 108.02. An EEO-prevailing wage session will be held in conjunction with the general preconstruction meeting discussion of contract documents, affected third party concerns, schedule, proposed subContractors-suppliers submittals, etc.

PREVAILING WAGES

 \bigcirc

Prevailing Wage paperwork required of the Prime Contractor and Sub-Contractors shall be current and up-to-date for work performed. Pay Estimates will be considered incomplete and unpayable until the associated Prevailing Wage paperwork is submitted to the Franklin County Engineer's Prevailing Wage Coordinator contact Barb Cox 614-525-3020 for Federal or State wage rate provisions relating to prevailing wages shall reference:

State: http://www.com.ohio.gov/dico/

Federal: http://www.wdol.gov/dba.aspx

NON-COLLUSION AFFIDAVIT

In accordance with Title 23 United States Code, Section 112 and Ohio Revised Code, Chapter 1331 et. seq: and Sections 2921.11 and 2921.13, the bidder hereby states, under penalty of perjury and under other such penalties as the law provides, that they or their agents or employees have not entered either directly or indirectly into any agreement, participated in any collusion, or otherwise taken any action in restraint of free competitive bidding in connection with this proposal. Execution of this proposal on the signature portion thereof shall constitute also signature of this Non-Collusion Affidavit as permitted by title 28 United States Code, Section 1746.

SAFETY REQUIREMENTS AND RESPONSIBILITIES

The Contractor is responsible for ensuring that all work under this contract meets or exceeds the Occupational Safety & Health Administration (OSHA) standards in addition to complying with the recognized best practice within the construction industry.

1.0 Certification Requirements

The manufacturer of safety systems (shoring, protective systems, fall protection) or a professional engineer (PE) must certify that the design of major or critical facilities, equipment, support structures, or systems, embankments, shoring systems, and formwork (false work) is structurally suitable for the intended use. This certification must be in writing and submitted to the FCEO Project Manager before construction or use of such facilities, equipment, or support systems.

2.0 Required Safety Programs and MSDS Submittals

The Contractor must submit a comprehensive written safety program covering all aspects of onsite and applicable offsite operations and activities associated with the contract. In addition, the Contractor shall submit Material Safety Data Sheets (MSDS) prior to bringing chemicals on site. The Contractor Written Safety Program will be used to evaluate compliance and ensure that the Contractor has a program in place to deal with all safety and health related requirements. The Contractor is fully responsible for its content and implementation. Onsite work must not begin until the FCEO Project Manager has received the program or appropriate supplementary submittals. The submission of the program in no ways relieves the Contractor of the responsibility for providing employees with a safe and healthful work environment or compliance with OSHA standards.

3.0 Required Safety Meetings

3.1 Pre-Construction Safety Program Review

The Contractor shall submit the Written Safety Program for review at a Pre-Construction Meeting prior to starting any site activities. The Contractor must be prepared to discuss in detail the procedures to control the hazards likely to happen during major phases of the work, and the organizational assignments involved in administering the safety program.

3.2 Progress Meeting Safety

The FCEO Project Manager, the Contractor's principal onsite representative, and designated members of respective staffs responsible for safety will review site safety concerns at the Progress Meetings. The safety segment of the meeting will review the Contractor's safety effort, resolve health and safety problems relating to current operations, and provide a forum for planning safe future activities.

4.0 Safety and Health Responsibility

The Contractor must designate, in writing, a Safety Coordinator to administer the safety program on site and who has supervisory authority over the general Contractor, subcontractors, and suppliers. This person shall have responsibility of site safety and worker health, and shall have the authority to correct deficiencies and stop work, if necessary, until deficiencies are corrected.

5.0 Accident and Incident Investigating and Reporting

The Contractor's Safety Coordinator shall report all injury accidents and incidents to the FCEO Project Manager as they occur. If a death or injury involving a serious medical condition occurs, the incident shall be reported to the FCEO Project Manager and next of kin within 30 minutes by the Contractor's Safety Coordinator. Results of accident investigations and corrective actions shall be provided to FCEO Project Manager as soon as practical following the investigation.

6.0 Safety Orientation.

The Contractor must give employees training containing pertinent provisions of the site safety and health program. Additionally, all sub-contractor and their employees are required to have training before working on the site. The Contractor is responsible for the content of the training and shall make available the training for FCEO review.

7.0 Refusal to Comply With Occupational Safety and Health Requirements

The Contractor must remove employees who refuse or repeatedly fail to comply with safe work practices and standards, or supervisors who fail to enforce compliance, from the associated work assignments.

ITEM 201, CLEARING AND GRUBBING

All trees, fence posts, rocks, brush, stumps and fence within the construction limits of this project shall be removed unless marked "Do Not Disturb". Unless itemized separately, all of these items shall be removed under the lump sum price bid for item 201, Clearing and Grubbing. Items within the construction limits that are marked "Do Not Disturb" or "DND" shall not be removed or damaged. The County and Cities reserve the right to order the removal of trees or stumps outside of the limits of the right-of-way and/or easement lines but within the work limits. Payment for the removal of these trees or stumps shall be included in the lump sum price bid for item 201, Clearing and Grubbing.

SOIL STABILIZATION

In any disturbed area that does not receive ditch erosion control matting a soil conditioner, rock hound equipment, or soil pulverizer shall be used prior to seed and mulching.

ITEM 611, 10'X6' PRECAST CONCRETE BOX CULVERT, TYPE A, AS PER PLAN

This item shall consist of furnishing and installing the precast concrete box culvert system. Installation shall be at the locations specified with the plans and in accordance with the CMS and the manufacturer's specifications.

The proposed work consists of excavation, shaping and compacting exposed material, placing and compacting aggregate bedding, laying the box culvert, placing modular block retaining walls, waterproofing, placing granular backfill, placing conduit, and final grading to provide a complete box culvert crossing per the details provided within the plan.

See Proposal Notes

The following estimated quantities have been carried to the general summary for the above noted work.

Item 611 - 10'x6' Precast Concrete Box Culvert, Type A, As Per Plan 1 Each

EX R/W	Rigl	nt Of Way Line
	——— Par	cel Line
	Suk	ject Property Boundary Line
	—— Eas	sement Line
	——— Cur	ъ
	Edg	ge Of Pavement
	— — Edg	ge Of Walk
	——— Pav	rement Markings
STM -	——— Sto	rm Sewer
SAN —	——— Sar	nitary Sewer
W	Wa	ter Line
G	—— Gas	s Line
	Ovl	nd Electric Line
	——— Ugr	nd Electric Line
UGT	——— Ugr	nd Telecomm Line
——————————————————————————————————————	Ovl	nd Telecomm Line
	— — Мај	or Contour
	— — Min	or Contour
Water Meter	⊕ Sto	rm Catch Basin
^{w∨} Water Valve		rm Inlet Basin
- Power/telephone Pole	Sto	rm Manhole
□ Power Pole	⊚ Sto	rm Clean Out
Air Conditioner	Sar	nitary Manhole
E Electric Box	Sar	nitary Clean Out
	-® Tra	ffic/ Signal Pole
^{c∨} Gas Valve	™ Tra	ffic Manhole
Gas Meter	Sig	n
	Pro	posed Channel C/L
830	——— Мај	or Contour
832	—— Min	or Contour

Catch Basin

Flow Arrow

Storm Structure I.D.

BASIS OF BEARINGS

Basis of bearings is based upon Ohio State Plane, South Zone, NAD 83 (NSRS 2007). Vertical Datum based upon NAVD 88.

 \sim

•	BENCHMARKS
BM CP-28	ALUMINUM PLUG IN THE SOUTHEAST CORNER OF THE EAST WINGWALL OF RIDPATH ROAD BRIDGE JAC 270-0.88 OVER PLUM RUN, 0.50 MILES SOUTH OF ZUBER ROAD, 18 FEET EAST OF THE CENTERLINE. ELEVATION = 835.054' (NAVD 88)
BM CP-30	ALUMINUM PLUG IN THE SOUTHWEST HEADWALL OF SEEDS ROAD CULVERT JAC 269-1.27, 0.35 MILES SOUTH OF ZUBER ROAD, 19.5 FEET WEST OF THE CENTERLINE. ELEVATION = 844.240' (NAVD 88)
BM CP-39	ALUMINUM PLUG IN THE NORTHWEST WINGWALL OF RIDPATH ROAD BRIDGE JAC 270-0.88, OVER PLUM RUN 0.50 MILES SOUTH OF ZUBER ROAD, 18 FEET WEST OF THE CENTERLINE OF RIDPATH ROAD. ELEVATION = 834.901' (NAVD 88)



ENERAL NOTES

(J

SECTION 1

V COUNTY, OHIO

ZUBER ROAD - PLUM RUN DRAINAGE
SECTION 1
FRANKLIN COUNTY,



EXPOSE NOTE

Where plans provide for a proposed conduit, storm sewer, waterline, or other construction to cross over or under an existing sewer or underground utility, the Contractor shall locate the existing pipes or utilities both as to line and grade before starting to lay the proposed conduit, storm sewer, waterline, or other construction. If it is determined that the existing conduit or existing appurtenance to be connected differs from the plan elevation or results in a change in the planned work, the engineer shall be notified before starting construction of any portion of the proposed work which will be affected by the variance in the existing elevations. Payment for all the operations described above shall be included in the contract price for the pertinent items.

ITEM SPECIAL, HYDRO-EXCAVATING UTILITY EXPOSURE

The Contractor shall expose utilities as directed by the Engineer utilizing Hydro-Excavating methods. The unit price bid for this pay item shall include all costs for labor, equipment, backfill of the exposure holes utilizing Flowable Controlled Density Fill as per Columbus 2012 CMS 613.04 Type I or Type III, and any incidentals necessary to complete the work.

This is a special pay item to be used as directed by the Engineer and not to be used for usual utility exposures associated with OUPS tickets and general construction of the project. Costs to expose utilities associated with OUPS tickets and general construction of the project shall be included in the unit bid prices for the items of work affected. The Contractor is reminded to keep his/her OUPS ticket updated according to industry practices.

The following contingency quantity has been carried to the General Summary for the above work.

ITEM SPECIAL HYDRO-EXCAVATING UTILITY EXPOSURE

5 EA

EXISTING/UNIDENTIFIED STORM SEWERS

If any existing storm sewers or field tiles are encountered during construction, leave exposed and contact the Franklin County Drainage Engineer's Office at (614) 525-7318 or (614) 525-2787 to have the existing tile's size, composition, horizontal location, and flowline surveyed.

DRAINAGE CONNECTIONS

All conduits paid for under this item shall be considered and bid as an "As Per Plan" item. See note below.

All drains, which are encountered during construction, shall be provided with unobstructed outlets. Existing drains which are located below the roadway ditch elevation, and which cross the roadway, shall be replaced within construction limits using Item 611 Conduit, Type B, one commercial size larger than the existing conduit.

Existing collectors and isolated farm drains, which are encountered above the elevation of Plum Run, shall be outletted into Plum Run by Item 611 Type C Conduit. The optimum outlet elevation shall be 12" above the flow line elevation of Plum Run.

The location, type, size and grade of replacements shall be determined by the Engineer and payment shall be made on final measurements.

Tie-ins to existing conduits shall use a rubber boot connection and hardware as approved by the Engineer. All conduits shall be Schedule 40 Polyvinyl Chloride Plastic Pipe (PVC). Blind tap connections and cutting into curb or drainage structures shall be included in the linear foot price bid for each item.

Erosion control pads and animal guards shall be provided at the outlet end of all drains as per Standard Construction Drawing DM-1.1M, except when they outlet into a drainage structure. Payment for the erosion control pads and animal guards shall be included for payment in the pertinent conduit items.

The following estimated quantities have been included in the General Summary for the work noted above

ITEM 611 4" CONDUIT, TYPE B, SCHEDULE 40 PVC, AS PER PLAN 50 LIN FT ITEM 611 6" CONDUIT. TYPE B. SCHEDULE 40 PVC. AS PER PLAN 50 LIN FT ITEM 611 8" CONDUIT, TYPE B, SCHEDULE 40 PVC, AS PER PLAN 50 LIN FT ITEM 611 4" CONDUIT. TYPE C. SCHEDULE 40 PVC. AS PER PLAN 50 LIN FT ITEM 611 6" CONDUIT, TYPE C, SCHEDULE 40 PVC, AS PER PLAN 50 LIN FT ITEM 611 8" CONDUIT, TYPE C, SCHEDULE 40 PVC, AS PER PLAN 50 LIN FT

Necessary bends, branches and rubber boot connectors shall be included in the price bid for each item. The Contractor shall not order any of the above materials unless approved by the Engineer.

MATERIALS

- A. All precast concrete pipe and products are subject to inspection during casting at the plant by the County Engineer's agent - City of Columbus, Inspection Division. All precast concrete pipe and products delivered to the job shall have a stamp by the City of Columbus, Inspection Division with their approval marking. All products manufactured off-site must still meet specifications when delivered and installed at the project. All materials and miscellaneous items incorporated into the precast concrete items shall be from stockpiles for which an ODOT approved lab report can be produced. Items in this category not pre-approved will require testing which will delay permitted use of the material and for which the Contractor is not entitled to a time extension. The proposed manufacturer shall be submitted to the Engineer for approval in writing so an inspection can be made of the proposed plant operations to determine if the applicable specifications referenced in the contract will be met. All manufacturing plant operations must continue to meet applicable specifications at all times.
- Other Materials shall be in accordance to the ODOT-CMS. All materials shall be from stockpiles for which an ODOT (TE 24s, etc.) or City of Columbus Laboratory Report (for City CMS items) can be furnished to the Engineer.

CONCRETE DELIVERY FOR ALL CONCRETE WORK

The use of dump trucks or any other non-agitating vehicles to deliver concrete to the project site is prohibited. Only concrete mixer trucks with agitating bodies specifically designed to haul concrete and approved for use by the Engineer shall be permitted to deliver concrete to the project site. Before delivery, a concrete washout area shall be constructed per Item 832.

SEEDING AND MULCHING

The following quantities are provided to promote growth and care of permanently seeded areas:

7,644 SY Item 659, Seeding and Mulching, Class 3B 6,522 SY Item 670, Ditch Erosion Protection Mat, Type A

Seeding and mulching shall be applied to all areas of exposed soil between the right-of-way lines, and within the construction limits for areas outside the right -of-way lines, and within the construction limits for areas outside the right-of-way lines covered by work agreement or slope easement. Quantity calculations for seeding and mulching are based on these limits.

ITEM 832, STORM WATER POLLUTION PREVENTION PLAN and ITEM 832, EROSION CONTROL

This contract is subject to National Pollutant Discharge Elimination System (NPDES) and specifically the Ohio EPA Authorization for Storm Water Discharge Associated with Construction Activity under NPDES. Additionally, federal, state, and local regulations pertaining to storm water pollution prevention shall also apply.

An officer of the Contractor's company will be required to co-sign the Ohio EPA permit and Notice of Intent (NOI) as per NPDES requirements (if required). The Contractor shall have a supervisory employee onsite who is competent in proper, current erosion control practices during all earth disturbing activities. It is the Contractor's responsibility to notify their subcontractors of the Ohio EPA requirements, have them sign affidavits that they understand those requirements, and furnish copies to the Franklin County Engineer's Office (FCEO) before their associated work begins.

Once the apparent low bidder has been determined in writing in the form of a letter from the Franklin County Engineer, the Contractor shall submit a Storm Water Pollution Prevention Plan (SWP3) within 15 working days for approval by FCEO. The SWP3 shall be prepared, stamped, and signed by a Professional Engineer experienced and competent in the design and implementation of standard erosion and sediment controls and storm water management practices addressing all phases of construction. The officer of the Contractor's company, who signs the NOI, as mentioned above, shall also sign the SWP3. Submit five half size sets and one electronic PDF set of plans for review to FCEO. FCEO will review/approve or review/return comments within 10 working days. If comments are returned to the Contractor, they shall be incorporated and resubmitted for approval within 5 working days. FCEO will back check the SWP3 within 5 working days and ask for additional changes or approve the SWP3.

The SWP3 shall incorporate at a minimum the following:

- "Part III, Section G SWP3 Requirements of the Ohio EPA, Authorization for Storm Water Discharge Associated with Construction Activity under National Pollutant Discharge Elimination System (NPDES)."
- Current edition of ODNR's Rainwater & Land Development Manual.
- Detailed description and drawings of all Best Management Practices (BMP's) including plan views, section views, legend, and installation practices the Contractor plans to use.
- Procedure for self-reporting verbally and in writing to FCEO and OEPA when the Contractor learns of actual or potential violations.
- Methods the Contractor will use to train or inform all of the Contractor's employees, subcontractors, and other persons affected by the SWP3 of the requirements of the plan including methods and techniques to be used to ensure implementation of the plan. As stated above, it is the Contractor's responsibility to notify their subcontractors of the Ohio EPA requirements, have them sign affidavits that they understand those requirements, and furnish copies to the Franklin County Engineer's Office (FCEO) before their associated work begins.
- Emergency contact information, the general permit number, a copy of the NOI (if required), and a copy of the approval letter from OEPA (if required).
- Listing of subcontractors and co-permittees.
- Schedule which describes the sequence of major earth moving construction operations; the implementation of erosion, sediment, and storm water management practices; and the removal of During Construction BMP's upon project
- Locations of concrete truck washouts; construction entrances; material storage areas; solid, construction, and hazardous waste storage areas; vehicle maintenance and fueling areas; onsite overburden, borrow, and stockpile areas; stream, creek, or channel crossings; sediment and storm water management basins including their sediment settling volume and contributing drainage area; open burning locations; etc.
- Estimate of BMP's including type and quantities.
- Detailed dewatering plans.

Upon approval, submit five half size sets and one electronic PDF set of the SWP3 to FCEO. No commencement of construction will be allowed until the SWP3 has been approved. The co-permittee/Contractor shall inform FCEO in writing of all amended activities to the SWP3 whenever there is a change in design, construction, operation, or maintenance that has a significant effect on the potential for the discharge of pollutants to Ohio waters or if the SWP3 proves to be ineffective in achieving the general objectives of controlling pollutants in storm water. It is the responsibility of the co-permittee/Contractor to evaluate all sediment and erosion control activities to ensure that no turbid discharge is released to the waters of the State of Ohio. The co-permittee/Contractor shall update the SWP3's at his/her cost as construction progresses to reflect changing conditions and work areas.

The co-permittee/Contractor shall be fully responsible for all compliance activities for all areas outside of the designed FCEO construction site. These areas include locations where soils are stockpiled, excavated for the purpose of fill, or disposed of as fill outside of the work limits in the construction plans. The co-permittee/Contractor shall file an NOI with Ohio EPA regarding these off-project areas and furnish copies to FCEO.

FCEO will closely monitor the implementation of the SWP3 with emphasis on construction and continued maintenance of BMP's. FCEO will provide the co-permittee/Contractor notice of any deficiencies found during required inspections as required by the general permit. The Contractor shall install a rain gauge close to the Field Office, as directed by the engineer. FCEO stipulates the co-permittee/Contractor to make repairs within 24 hours of notification of deficiencies. If the Contractor fails to remedy unsatisfactory sediment control and dewatering practices within 24 hours after receipt of such notice, FCEO may invoke the provision of ODOT CMS Section 105.15, correct the problem areas, and deduct the entire cost of the correction from monies due or to become due the Contractor on the contract. Failure of the Contractor to take corrective measures may result in enforcement actions and penalties as provided by NPDES, federal, state, and local laws. Any fines for non-compliance will be passed onto the Contractor.

(cont.)

The Contractor shall submit to FCEO a description of the BMP's that will be employed prior to work beginning, and FCEO reserves the right to deny implementation of any BMP that is determined to be non-effective prior to or during construction activities.

The stipulations of ODOT SS 832 shall apply. The SWP3 for this project will not be Non-Performed and is required before construction can begin. If an SWP3 is required for off-project EDA, then it shall be furnished by the Contractor prior to off-project EDA at no cost to FCEO. Payment for all work associated with EROSION AND SEDIMENT CONTROL for on-project EDA shall follow ODOT SS 832 and will be paid for by FCEO based on field measurements. Work associated with erosion and sediment control for off-project EDA will not be paid for by FCEO.

The Contractor is hereby advised that stricter pollution control standards and enforcement have been imposed by the Ohio EPA since March 10, 2003 and with a revision in April 2018. Also, many private citizen environmental groups, who have been known to file civil legal actions, are present in the area and observe all construction operations. The pay items (silt fences, check dams, sediment basins, etc.) set-up in the contract shall be used to control silt pollution as shown in the plans, directed by the Engineer, and/or ordered by the Ohio

When a Contractor needs to dam any waterway for dewatering purposes, any dikes placed in the stream must be of clean non-erodible materials. Dams constructed of soil in the stream are not acceptable, even if the stream work area is cordoned off or by-passed. Dams in the stream shall be of durable bags filled with coarse granular sand or clean stone (such as #57 or #2) or other methods acceptable to the EPA that prevent pollution. The labor and material used to install bags of sand or stone for stream dewatering purposes shall be included in the bid price for COFFERDAMS AND EXCAVATION BRACING, AS PER PLAN.

The Contractor will be required to build sediment basins or use equal methods to detain and clean water to acceptable EPA standards before releasing the water back into the stream. Sediment basin(s) shall be detailed in the SWP3 and are a listed item within the Erosion Control pay item.

Stone used for check dams for dewatering purposes in the stream shall be the ROCK CHANNEL PROTECTION (RCP) contingency set-up in the Erosion Controls pay item, the #2 Stone contingency set-up in the Erosion Controls pay item, or a combination of the RCP and #2 Stone contingency. Payment using the RCP and/or the #2 Stone contingency shall be at the measured quantity at the unit bid price for these items.

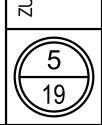
It is preferred to use permanent erosion control items as shown in the plans to control construction pollution when possible.

All items are to be maintained as per ODOT SS 832. Requirements to maintain sediment and erosion control items will be STRICTLY ENFORCED.

Contractor shall obtain a permit from Jackson Township for any work or construction entrance within the right of

ENVIRONMENTAL COMMITMENT NOTES

- 1. All work will be conducted in accordance with the drawings submitted with the pre-construction notification
- 2. Enclosed is a copy of Nationwide Permit 27, which will be kept at the site during construction. A copy of the nationwide permit verification, special conditions, and the submitted construction plans must be kept at the site during construction. The permittee will supply a copy of these documents to their project engineer responsible for construction activities.
- Upon completion of the activities authorized by this nationwide permit verification, the enclosed certification must be signed and returned to this office along with as-built drawings showing the location and configuration, as well as all pertinent dimensions and elevations of the activities authorized under these nationwide permit verifications.
- 4. Construction activities will be performed during low flow conditions to the maximum extent practicable. Additionally, appropriate site-specific best management practices for sediment and erosion control will be fully implemented during construction activities at the site.
- 5. No area for which grading has been completed will be unseeded or unmulched for longer than 14 days. All disturbed areas will be seeded and/or revegetated with native species and approved seed mixes (where practicable) after completion of construction activities for stabilization and to help preclude the establishment of non-native invasive species.
- 6. Should new information regarding the scope and/or impacts of the project become available that was not submitted to this office during our review of the proposal, the permittee will submit written information concerning proposed modification(s) to this office for review and evaluation, as soon as practicable.
- 7. In the event any previously unknown historic or archaeological sites or human remains are uncovered while accomplishing the activity authorized by this nationwide permit authorization, the permittee must cease all work in waters of the United States immediately and contact local, state and county law enforcement offices (only contact law enforcement on findings of human remains), the Corps at 304-399-5210 and Ohio State Historic Preservation Office at 614-298-2000. The Corps will initiate the Federal, state and tribal coordination required to comply with the National Historic Preservation Act and applicable state and local laws and regulations. Federally recognized tribes are afforded a government-to-government status as sovereign nations and consultation is required under Executive Order 13175 and 36 CFR Part 800.



This item shall consist of removal of retaining wall, near station 138+00.00, per specification 202.

All material, equipment, and labor to complete the above noted work shall be paid for under Item 202, Removal Misc.: Retaining Wall Removal

MAINTENANCE OF TRAFFIC NOTES

ITEM 614 MAINTAINING TRAFFIC, AS PER PLAN

A minimum of two 10' lanes (one lane of traffic in each direction) shall be maintained on all roads during non-working hours and peak periods (7am-9am and 4pm-6pm). Two-way one lane traffic is permitted during working non-peak hours (9am-4pm) in accordance with ODOT Standard Construction Drawing MT-97.10 or MT-97.11, except that law enforcement officers (L.E.O.s) with patrol cars shall be substituted for each flagger. If this requirement cannot be met, traffic shall be detoured using ODOT Standard Construction Drawing MT-101.60 and OMUTCD Chapter 6H (Figure 6H020).

The Contractor may submit an alternate MOT plan at the preconstruction meeting showing how they plan to maintain traffic in accordance with the OMUTCD and these traffic maintenance notes. These plans will need to be reviewed and approved by the Franklin County Engineer's Office. The Contractor will be advised as to the review results in writing within thirty (30) days.

The Contractor shall notify the County Engineer's Mobility Department at 614-525-6036 two weeks prior to beginning work, and weekly thereafter, to discuss any changes to the maintenance of traffic plan and/or completion date. Before work is started on this project the Contractor shall submit a written schedule of operation and a traffic maintenance control plan for approval. No work will be started that will restrict any lane usage unless it is the intent of the Contractor to work full time with a full force in order to complete the work without unnecessary delays.

The following is the suggested sequence of construction for this project:

All construction shall be performed in one phase. One lane of Ridpath Road shall be closed in one direction during construction.

The closing of Ridpath Road shall be accompanied by flaggers and follow all requirements set forth by ODOT Standard Construction Drawing MT-97.10.

No detours will be needed as part of the project.

The following devices must meet NCHRP 350 or MASH-08 before the devices are installed on the project: drums, cones, vertical panels and the panel support, portable sign supports, temporary impact attenuators, temporary concrete barrier, and barricades.

All construction signing shall be installed and covered before construction begins. After construction sign installation, the Contractor shall notify the Franklin County Engineer's Office Mobility Department at 614-525-6036 three (3) working days before work begins and request an inspection of all signing.

Faces of construction signs and reflective sheeting on barricades shall be Type H (VIP). All orange construction signs shall be fluorescent orange. All sheeting will be tested for reflectivity per ODOT 730.192. Vertical panels and drum bands shall be reflectorized with Type G (high intensity) sheeting complying with the requirements of 730.19. All signs and barricades, vertical panels, and drums will be like new and in good condition in conformance with "Quality Guidelines for Temporary Traffic Control Devices and Features" published by ATSSA.

Maintenance of all Contractor-supplied signs, barricades, vertical panels and drums is the Contractor's responsibility. If the Contractor fails to correct deficiencies within four (4) hours of notification, Franklin County shall correct or hire someone to correct the deficiencies. The Contractor shall be then be back charged per ODOT Specification 614. In the case that back charging the Contractor is not applicable, the County will rescind and withhold all permits issued to the Contractor to work within County right-of-way until the issue is settled. These provisions shall not in any way relieve the Contractor of any of their legal responsibilities or liabilities for the safety of the public.

Cones are approved for daytime use only. Drums shall be used at night and have yellow Type C steady burn lights. Cones and drums shall be placed as follows: 25' c/c on tangents, 15' c/c on tapers, and 8' c/c in radii.

All signs nine square feet (36" x 36") and over shall have yellow Type A low intensity flashing warning lights and two flags.

All work and traffic control devices shall be in accordance with ODOT CMS 614 and other applicable portions of the specifications, as well as the latest version of the OMUTCD. Payment for all labor, equipment and materials shall be included in the lump sum contract price for Item 614, Maintaining Traffic, as Per Plan, unless separately itemized in the plan.

ITEM SPEC., DEWATERING

The Contractor shall perform dewatering operations as necessary to perform the work. The Contractor shall provide a dewatering plan for engineer's approval, install and maintain dewatering operations, collect and remove accumulated sediment from the work area, and remove dewatering works upon completion of the construction activities that require dewatering. Dewatering activities shall be performed in strict accordance with local noise ordinances. The contractor shall furnish, install, and maintain throughout the course of the work mufflers, noise-control enclosures, or other noise control methods, measures, and features on and around all dewatering pumps such that steady noise emanating from this equipment does not disturb adjacent property operations.

The cost of all labor, equipment, and materials associated with this work shall be included in the price bid for Item Spec - Dewatering

ITEM 452 - 6" NON-REINFORCED CONCRETE SLAB, AS PER PLAN

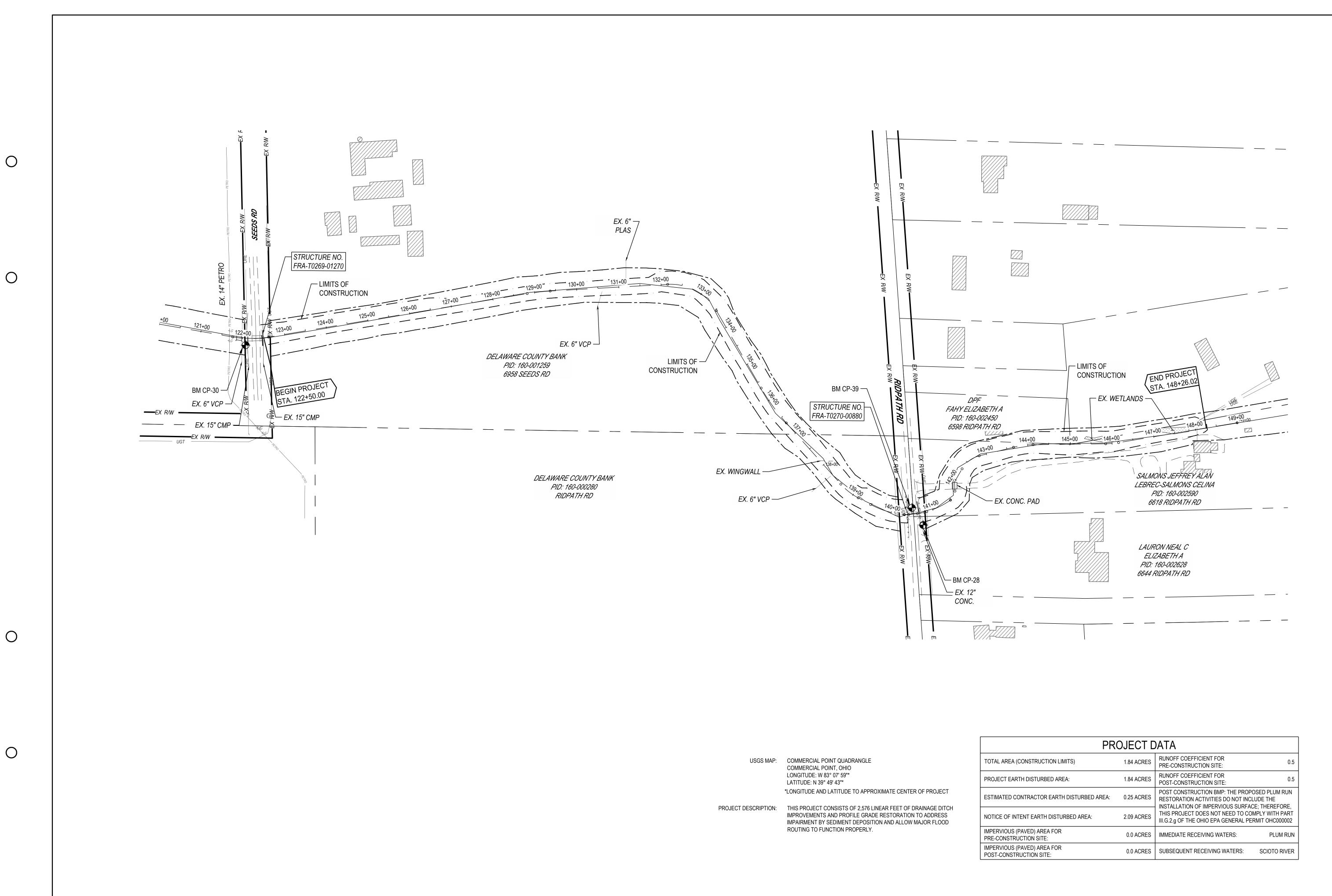
This item shall consist of the construction of a non-reinforced concrete slab at the Ridpath Road intersection. The Contractor shall exercise caution while performing the work due to proximity of the bridge structure and foundation. All work shall be performed in accordance with specification Item 452.

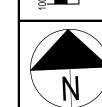
The cost of all labor, equipment, and materials to perform the work shall be included in the unit price bid for Item 452, 6" Non-Reinforced Concrete Slab, As Per Plan.

TDF CHECKED



тем 📙	Т			Ι	T	<u> </u>	\Box	IUMBEF	<u> </u>	 1	ı	Γ	Ī	ITEM ITEN	GRAND TOTAL	UNIT	DESCRIPTION	SEE	E T E
	3	5	5A	8	9	10	18	8 19	9 1	11-17								NO.).
					1														
																	FARTIWORK		
																	EARTHWORK		
201														201	1	LUMP	CLEARING AND GRUBBING		
202					1 1									202	1	EA EA	STRUCTURE REMOVED REMOVAL MISC.: RETAINING WALL REMOVAL	5A	
203										3334				203	3334	CY	EXCAVATION		
203					57					328				203	328 57	CY	EMBANKMENT GRANULAR MATERIAL, TYPE B (T=3")(GRAVEL DRIVE REPAIR)		
																	PAVEMENT		
452					27									452	27	SY	6" NON-REINFORCED CONCRETE SLAB, AS PER PLAN	5A	
304							2′	1						304	21	CY	AGGREGATE BASE		
SPEC								1						SPEC	1	EA	TEMPORARY DRIVE	19	
																	EROSION CONTROL		
503		LUMP												503	1	LUMP	COFFERDAM AND EXCAVATION BRACING, AS PER PLAN	5	
	7644													659	7644	SY	SEEDING AND MULCHING, CLASS 3B (AGRICULTURAL AREAS)		
659 659		0.2												659 659	0.2	TON ACRE	COMMERCIAL FERTILIZER LIME		
659		21												659	21	M. GAL	WATER		
	6522													670	6522	SY	DITCH EROSION PROTECTION MAT, TYPE A		
832 832		1 LUMP												832 832	1 1	EA LUMP	EROSION CONTROL STORMWATER POLLUTION PREVENTION PLAN		
																	DDANIA OF		
					1												DRAINAGE		
511					2.4									511	2.4	CY	CLASS QC5 CONCRETE, REINFORCED CONCRETE SLAB WITH CUTOFF WALL		
601					30									601 611	30	CY EA	ROCK CHANNEL PROTECTION, TYPE B WITH FILTER 10'x6' PRECAST CONCRETE BOX CULVERT, TYPE A, AS PER PLAN	4	
611		50												611	50	LF	4" CONDUIT, TYPE B, SCHEDULE 40 PVC		
611		50												611	50	LF . –	6" CONDUIT, TYPE B, SCHEDULE 40 PVC		
611		50 50					_							611 611	50 50	LF LF	8" CONDUIT, TYPE B, SCHEDULE 40 PVC 4" CONDUIT, TYPE C, SCHEDULE 40 PVC		
611		50												611	50	LF	6" CONDUIT, TYPE C, SCHEDULE 40 PVC		
611		50												611	50	LF	8" CONDUIT, TYPE C, SCHEDULE 40 PVC		
SPEC								1						SPEC	1	EA	CULVERT REMOVED FOR REUSE AND RELOCATION	19	<u></u>
																	MISCELLANEOUS		
108														108	1	LUMP	TYPE B CPM PROGRESS SCHEDULE		
614														614 623	1	LUMP	MAINTAINING TRAFFIC, AS PER PLAN	5A	<u>\</u>
623 624														624	1	LUMP LUMP	CONSTRUCTION LAYOUT STAKES & SURVEYING MOBILIZATION		
SPEC			LUMP											SPEC	1	LUMP	DEWATERING	5A	4
SPEC		5												SPEC	5	EA	HYDRO-EXCAVATING UTILITY EXPOSURE	5	
													1						
					+		+				1								



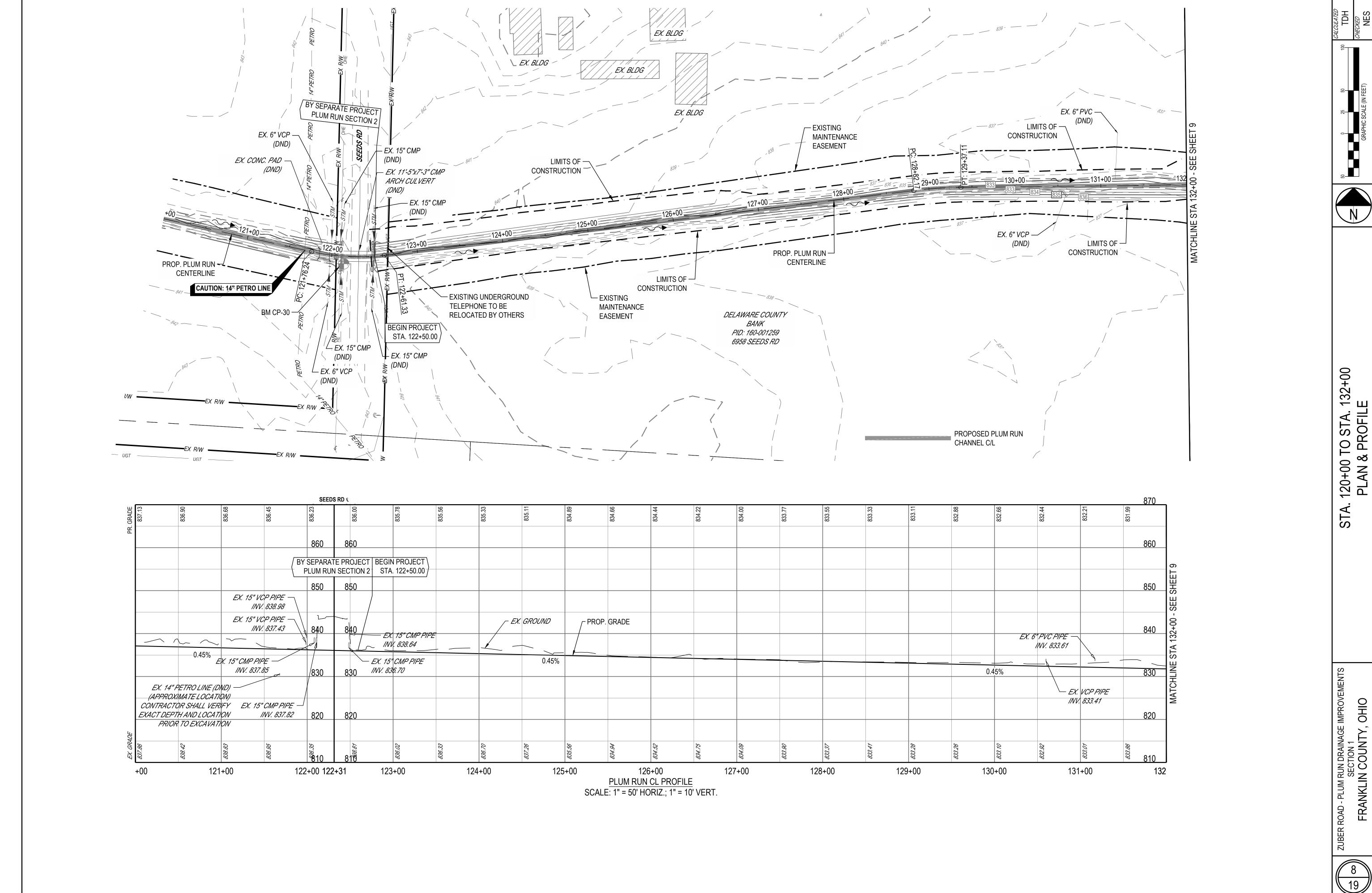


PLAN

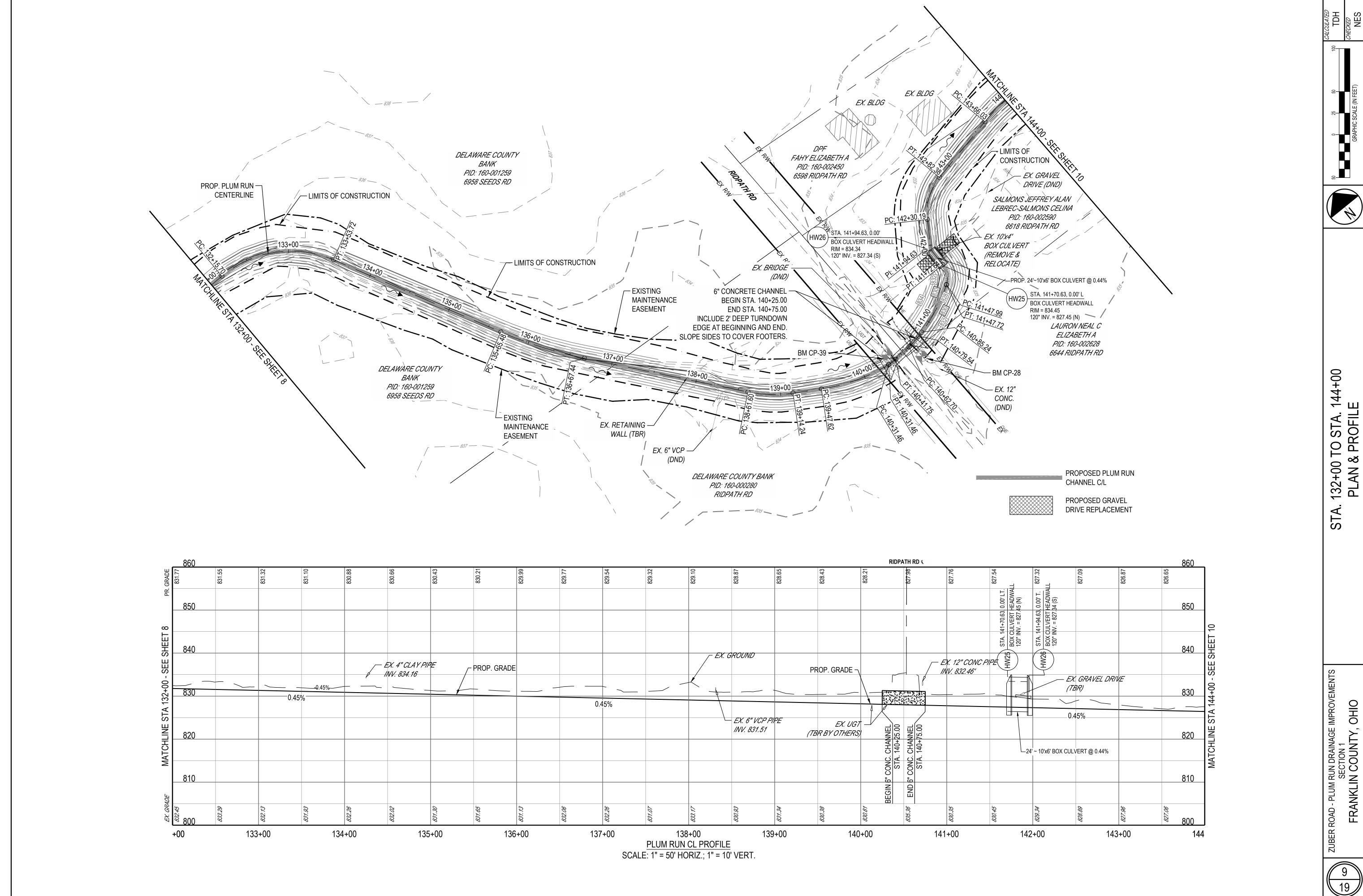
SITE **PROJECT**

ROAD - PLUM RUN DRAINAGE IN SECTION 1 FRANKLIN COUNTY, (





W:\PROJECTS\FRANKLIN COUNTY_OH\757529-01 ZUBER ROAD-PLUM RUN\03-CIVIL\PLAN\PLOT SHEETS\SECTION 1\7_SECT1_PLPRO.DWG - 8/17/2022 3:11:17 PM



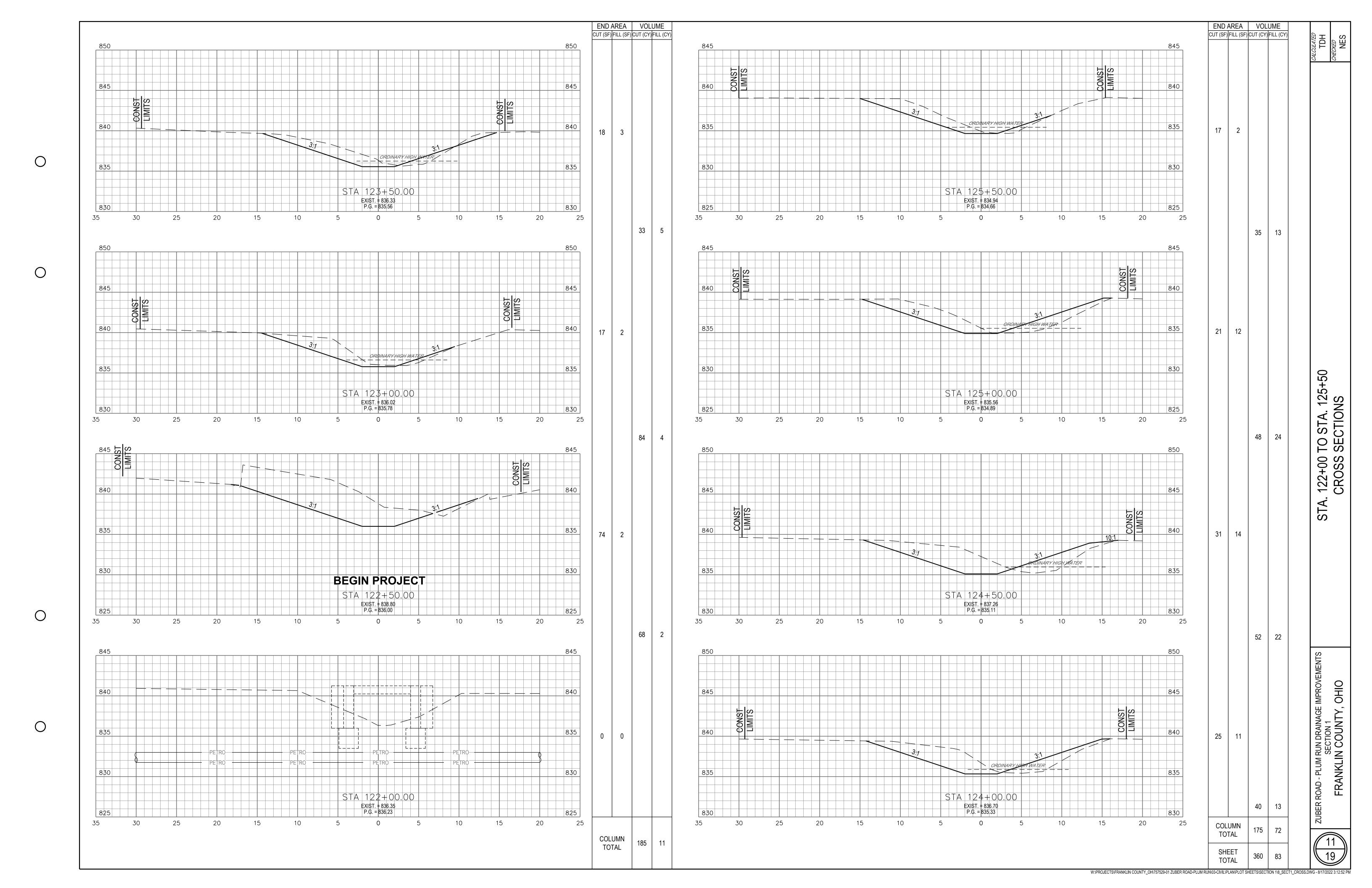
W:\PROJECTS\FRANKLIN COUNTY_OH\757529-01 ZUBER ROAD-PLUM RUN\03-CIVIL\PLAN\PLOT SHEETS\SECTION 1\7_SECT1_PLPRO.DWG - 8/17/2022 4:32:11 PM

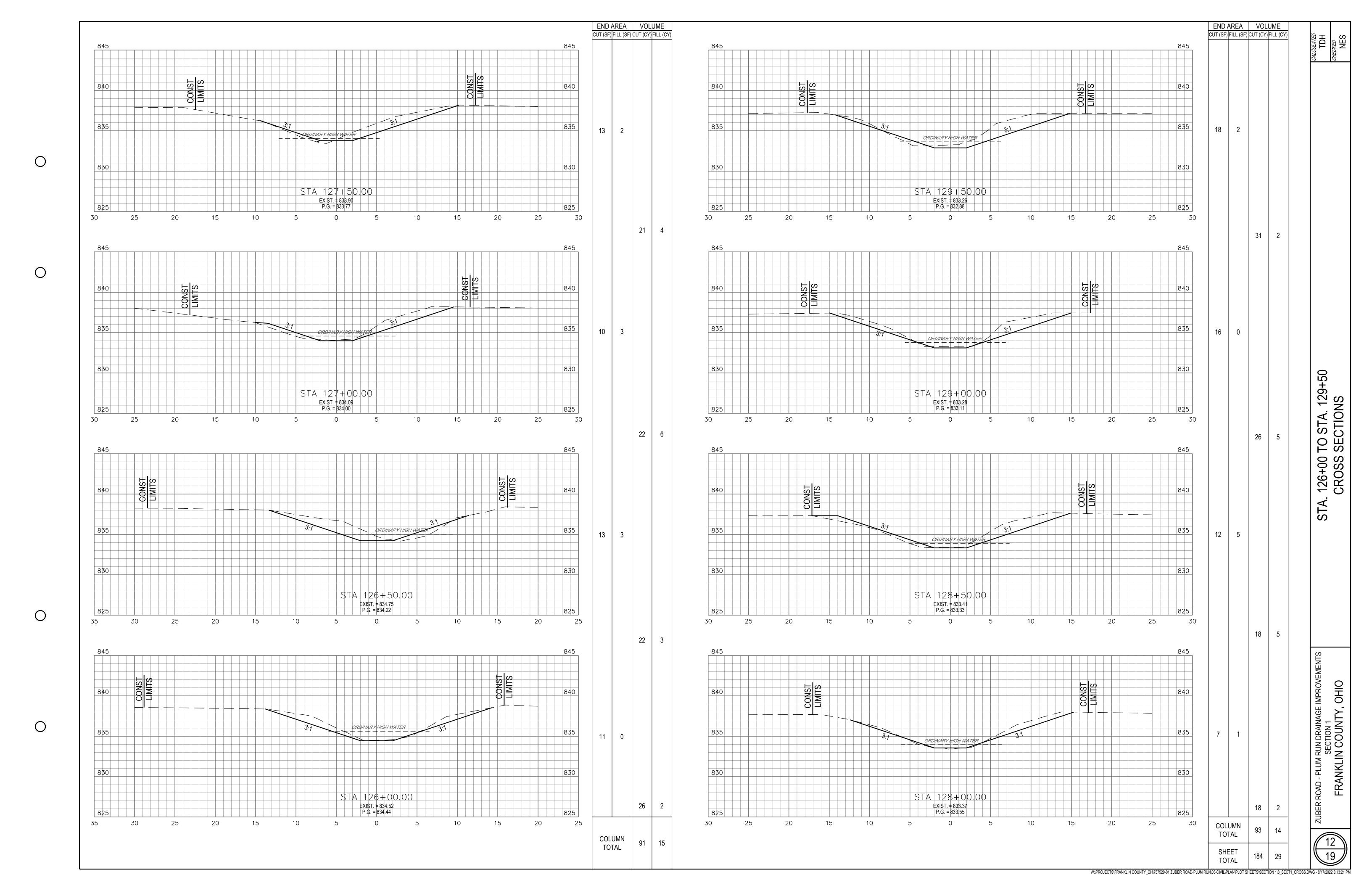
0

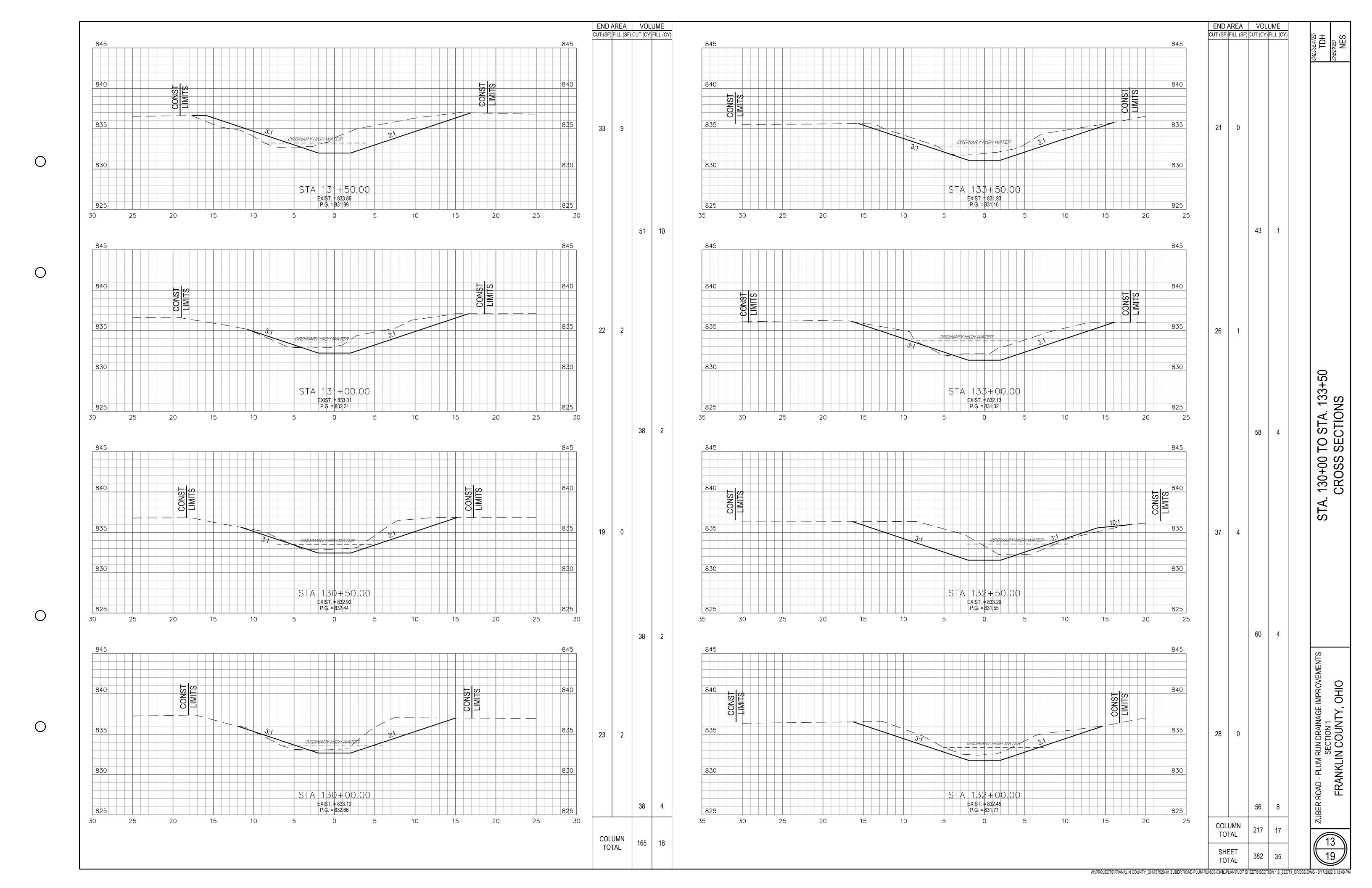
144+00 TO STA. 148+26.02 PLAN & PROFILE

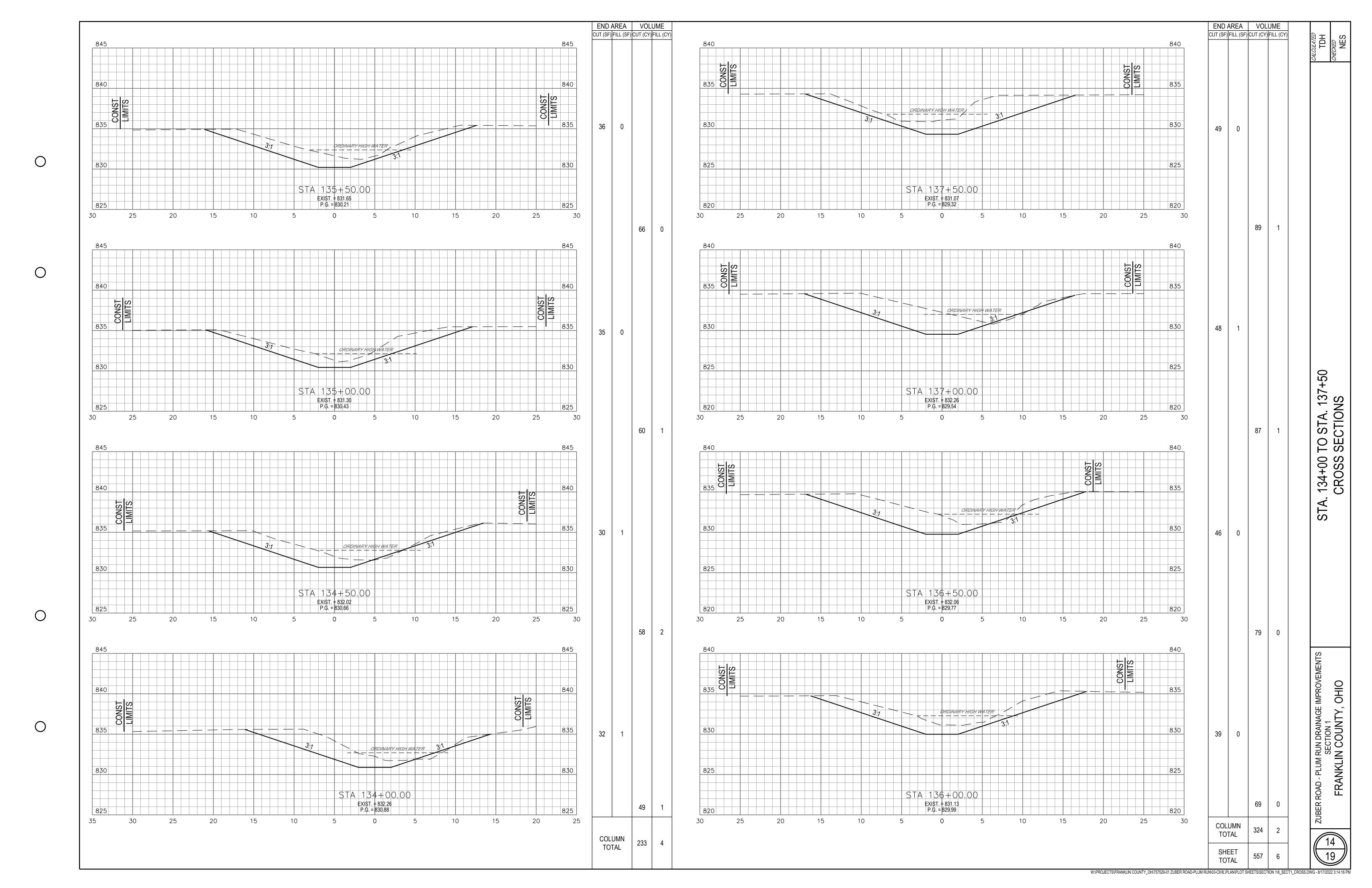
STA

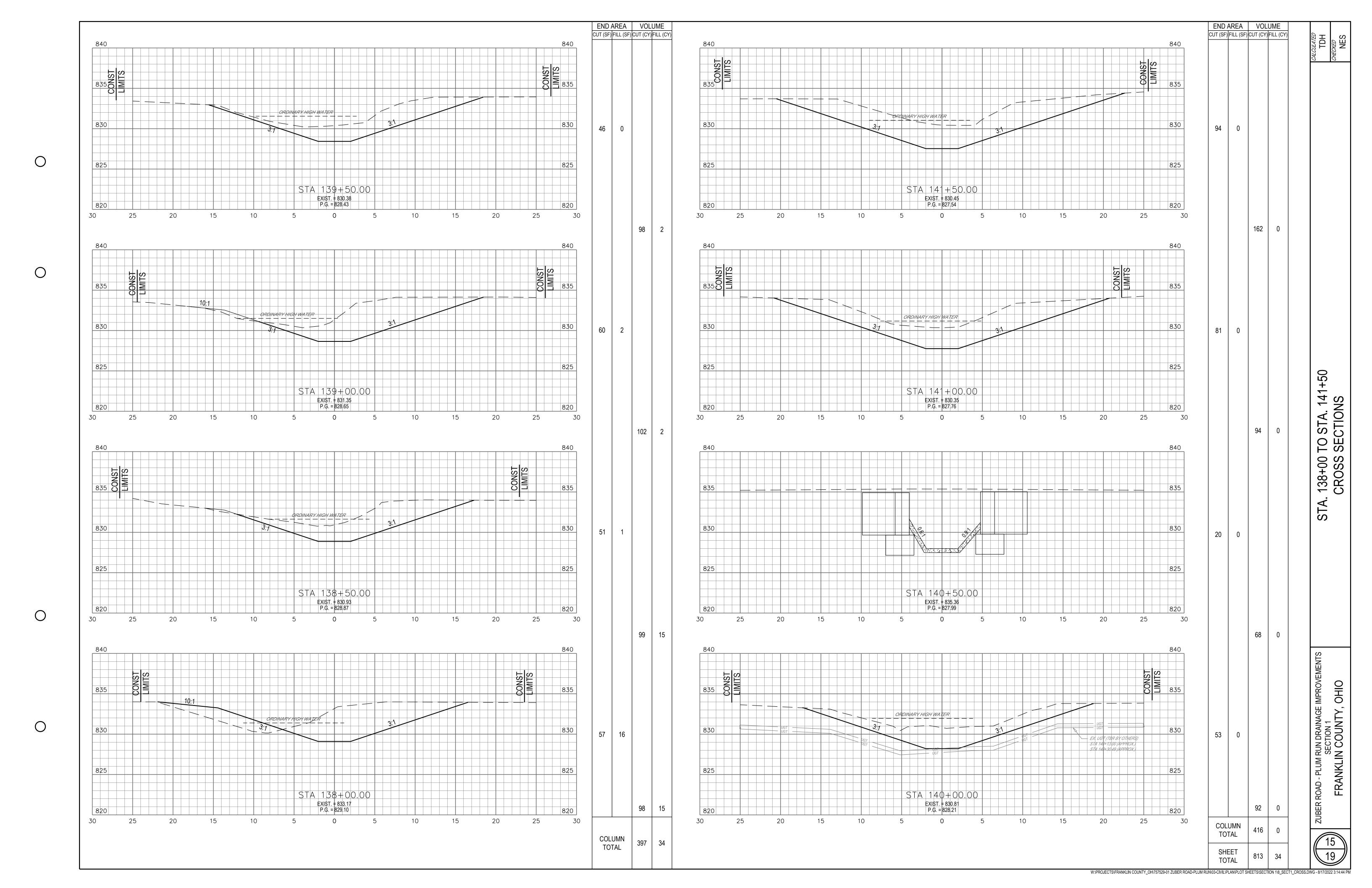
W:\PROJECTS\FRANKLIN COUNTY_OH\757529-01 ZUBER ROAD-PLUM RUN\03-CIVIL\PLAN\PLOT SHEETS\SECTION 1\7_SECT1_PLPRO.DWG - 8/17/2022 3:11:54 PM

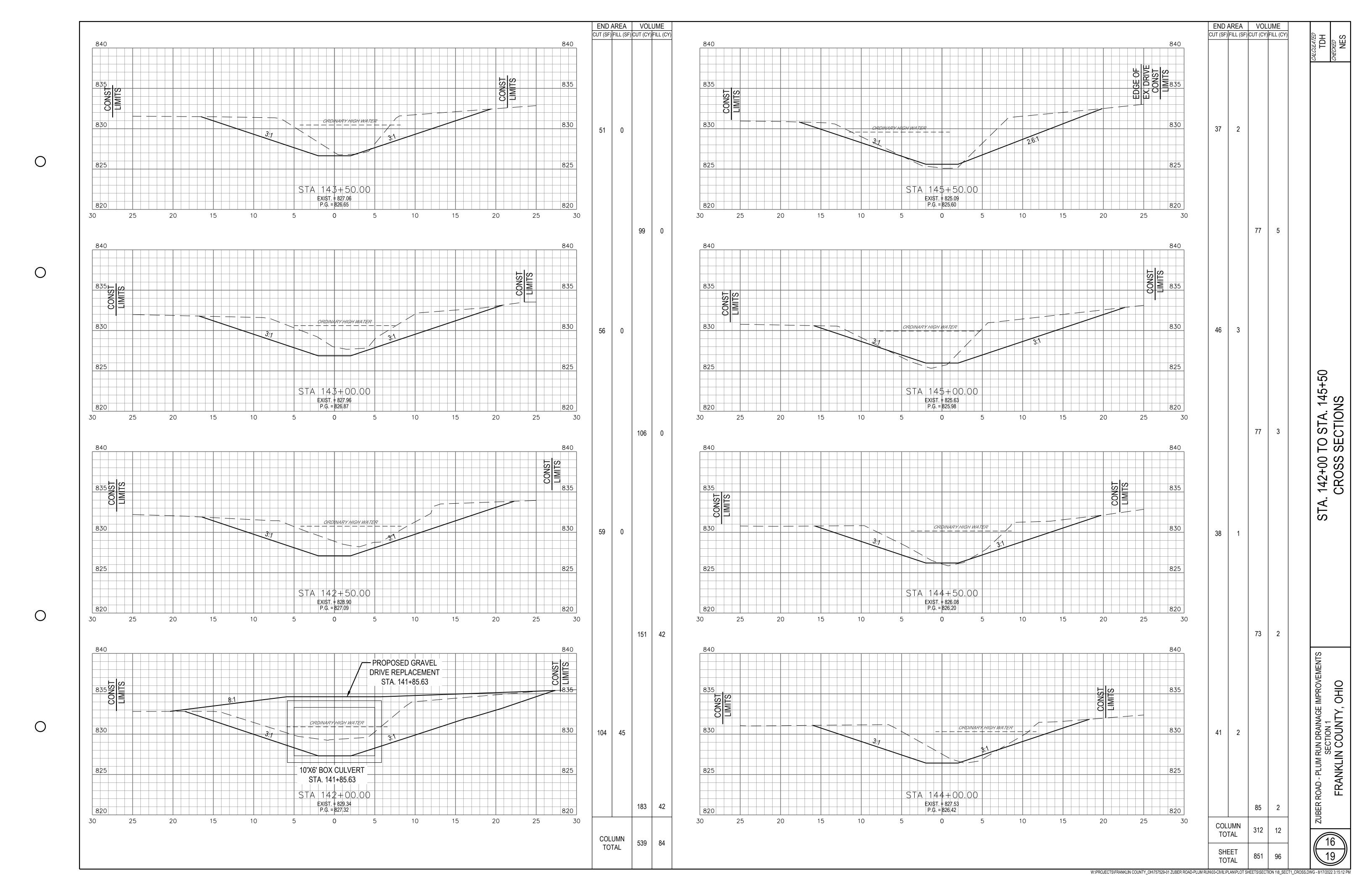


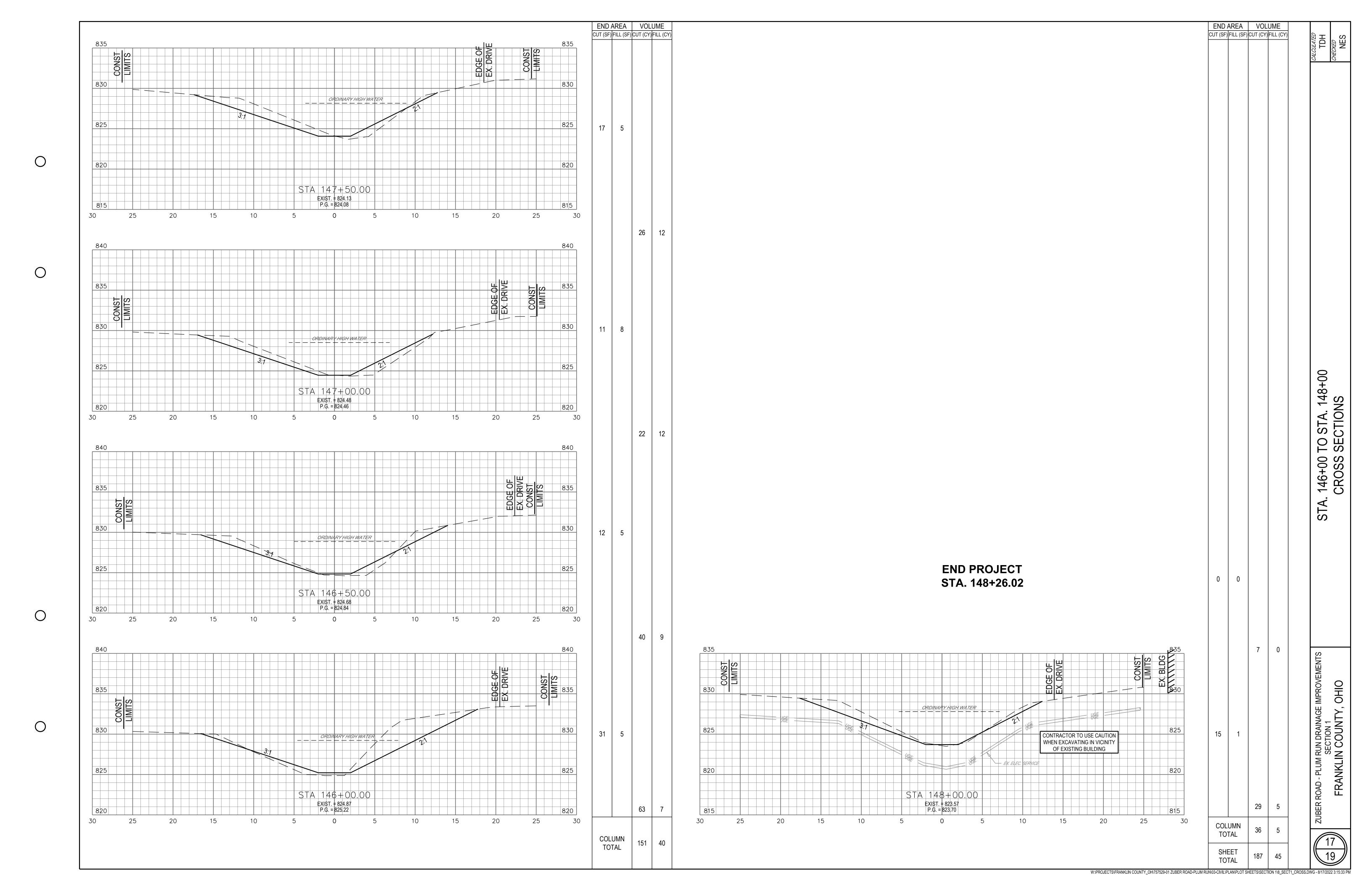


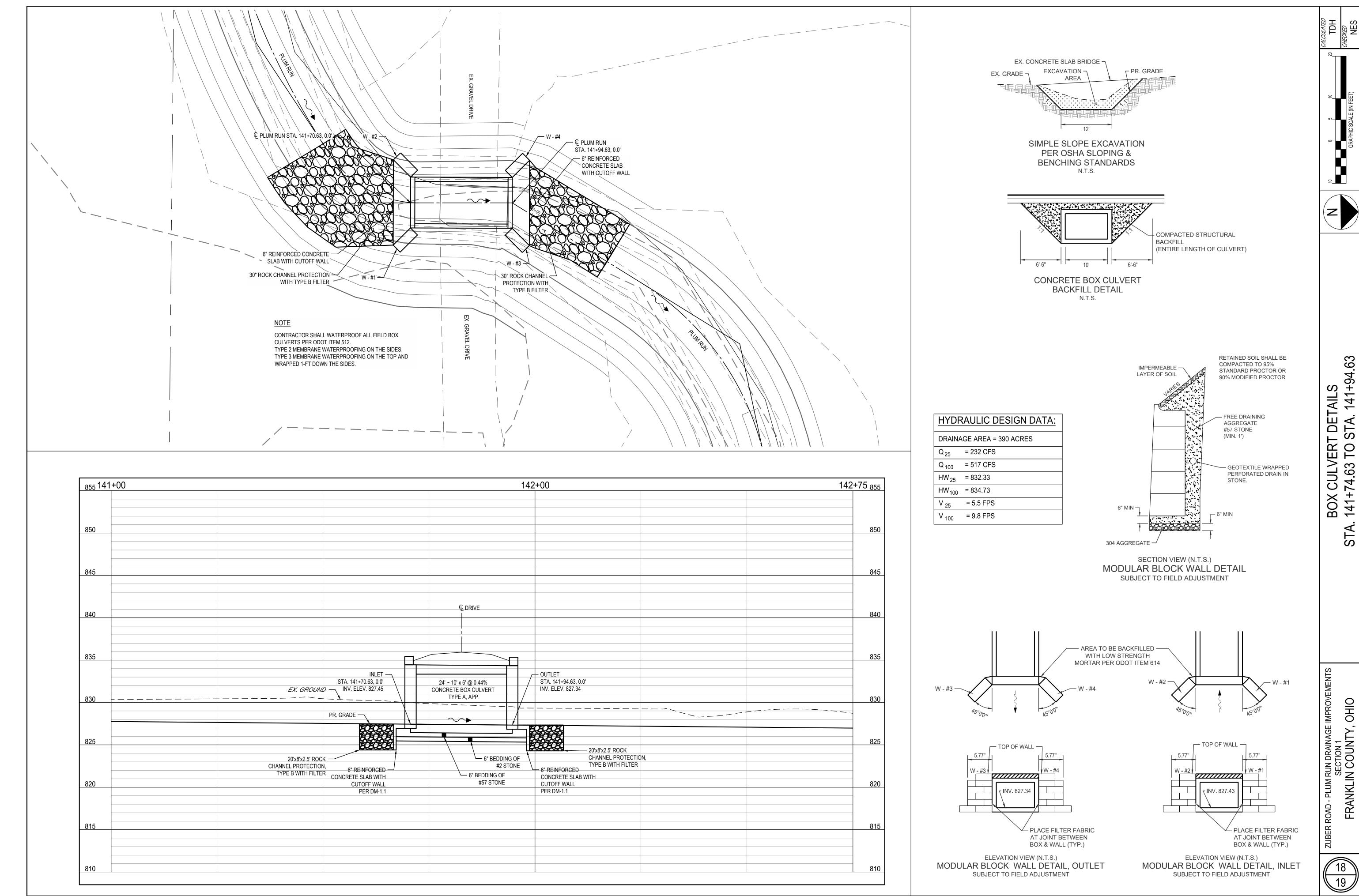












W:\PROJECTS\FRANKLIN COUNTY_OH\757529-01 ZUBER ROAD-PLUM RUN\03-CIVIL\PLAN\PLOT SHEETS\SECTION 1\9_SECT1_DETAIL.DWG - 8/17/2022 3:16:08 PM

STA

