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October 5, 2021

TO: Hamilton County Drainage Board

RE: George Symonds Drain Two-Stage Ditch Reconstruction

Attached are the plans, schedule of assessments and drainage shed map, for the George Symonds Drain Two-Stage Ditch Reconstruction Project.

The George Symonds Drain is located in Adams Township of Hamilton County and benefits properties in Sections 22, 23, 27, 28, 32, and 33 of Township 20 North, Range 3 East.

The following regulated drains presently drain to the George Symonds Drain: Herr Haughey, Abe Laudig, Ida Teter, William Thomas, George Beam, Benton Hinesley, and the William Krause.

The William Thomas, George Beam, George Symonds Arm 3, William Krause, and the Benton Hinesley Drains drain into the segment of the ditch being reconstructed.

The attached plans, dated August 19, 2015, were prepared by Banning Engineering, Inc. The plans are for the construction of a two-stage ditch along a portion of the Drain.

I have made a personal inspection of the Drain. Upon doing so, I believe that the drain is practicable; will improve the public health; will be of public utility; and that the costs, damages and expenses of the proposed drain will probably be less than the benefits accruing to the owners of land likely to be benefited.

History

The drain now known as the George Symonds Drain was originally petitioned by Joseph Furnas and established as the West Cicero Ditch in 1877 through the Commissioner's Court. This drain began at the section line between Sections 28 and 29, Township 20 North, Range 3 East and ran to a point 20 rods North of the South line of the Northwest $\frac{1}{4}$ of Section 23, Township 20 North, Range 3 East at an old mill dam.

In 1892 George Symonds petitioned the Circuit Court for the drain as it now exists. (See Commissioners Record Pages 155-175). This drain consisted of a main drain and six (6) arms. Many of the arms became other regulated drains through the years, such as the Benton-Hinesley Drain, William Krause Drain, and the George Beam Drain. The portion of the drain between Station 0+00 and Station

22+15 was tiled as part of the William Krause Drain in 1919. The remaining drain is 16,985-feet in length between Station 22+15 and Station 192+00.

The drain has been assessed for repairs by the County in 1926, 1932, 1934, 1936, 1938 and 1941. The last maintenance performed by the County was in 1965 and was done to remove debris and blockage in the ditch caused by the 1965 Palm Sunday tornado.

The Drain was placed on maintenance at hearing during the July 24, 1995 meeting of the Hamilton County Drainage Board. At this meeting, the Extension Arm to the George Symonds Drain was approved. This extension added 4,600-feet to the Drain between Station 192+00 and Station 238+00. (See Drainage Board Minutes Book No.4, pages 129-132).

Several filter strips were installed along the drain under maintenance in 2000 as part of Work Order WO-2000-00010. The south and east sides of the ditch between the western line of Parcel 01-01-32-00-00-016.00 and 246th Street; a length of 2,355-feet. The east and south side of the ditch between 246th Street and Eagletown Road, a length of 3,380-feet. The north and west side of the ditch from Eagletown Road to the north line of Parcel 01-01-28-00-01-001.000; a length of 1,656-feet. The south and east side of the ditch from the George Beam Drain (approximately) to the east line of Parcel 01-01-28-00-00-007.000 (also the east line of Section 28 Township 20 North Range 3 East); a length of 2,730-feet. The cost of this work order was \$34,742.12.

At the July 26, 2010 meeting of the Drainage Board, the R&S Corporation Extension Arm to the George Symonds Drain was established at hearing and the length of the Drain extended. The Arm is 750-feet in length between Station 238+00 and Station 245+50. (See Drainage Board Minutes Book 13, pages 69-70)

During the July 7, 2011 meeting of the Drainage Board, flooding of the Moore (Parcel 01-01-28-00-00-013.001) and Koepkey (Parcel 01-01-28-00-00-009.103) properties were discussed. A study of the Symonds and Krause watersheds was recommended. (See Drainage Board Minutes Book No. 13, pages 468-473).

At the November 28, 2011 meeting of the Drainage Board, Banning Engineering was contracted to perform a hydraulic study of the Symonds and Krause watersheds. The contract was in the amount of \$79,700.00 (See Drainage Board Minutes Book 14, page 45). As the proposed hydraulic study included both the William Krause and George Symonds watersheds, the effort associated with the study of each watershed was documented separately. The costs associated with the hydraulic study for the George Symonds shed are listed in the Total Project Costs section of this report based on submitted invoices.

At the August 27, 2012 meeting of the Drainage Board, buying the Moore and Koepkey properties was discussed. (See Drainage Board Minutes Book No.14, pages 233-234).

Banning Engineering presented the findings of the Symonds and Krause Watershed Study during the October 8, 2012 meeting of the Drainage Board. (See Drainage Board Minutes Book No.14, pages 326-332). The projects recommended by the Study were identified as Projects 1, 2, 6, 7, and 9. These projects are briefly described in the Reconstruction Project section of this report.

Further discussion concerning the various options of the Symonds and Krause Watershed Study took place during the November 13, 2012 meeting of the Drainage Board. (See Drainage Board Minutes Book No.14, pages 375-378).

The record includes the minutes of a joint meeting of the Hamilton County Drainage Board and the Sheridan Town Council that took place at the Sheridan Town Hall on July 30, 2013. The minutes

indicate that "A discussion of the George Symonds and William Krause Drainage Improvements was held." (See Drainage Board Minutes Book No.15, page 107 and page 113).

The Drainage Board approved obtaining appraisals of the Moore and Swan (Parcel 01-01-28-00-00-009.004) properties at the August 26, 2013 meeting of the Drainage Board. (See Drainage Board Minutes Book No.15, page 146). The purchase of these properties was recommended as part of Project 10 outlined in the Study.

At the September 9, 2013 meeting of the Drainage Board, purchasing the Moore and Swan properties was approved. The value of the Swan property was reported to be \$29,325.00. The value of the Moore property was not listed but was to be purchased through a Hazard Mitigation Grant. (See Drainage Board Minutes Book No.15, page 153).

At the November 12, 2013 meeting, it was reported that the deed for the Swan property had been received. (See Drainage Board Minutes Book No.15, page 234).

At the January 27, 2014 meeting of the Drainage Board, it was reported that the application for the Hazard Mitigation Grant for the purchase of the Moore property was not successful. (See Drainage Board Minutes Book No.15, page 338)

During the April 14, 2014 meeting of the Drainage Board, Banning Engineering was contracted to design the two-stage ditch. The contract, Task Order No.3, was a not-to-exceed contract in the amount of \$45,000.00 for engineering and \$5,000.00 for Rule 5 applications per soil disposal sites (up to six sites). (See Drainage Board Minutes Book No.15, pages 383-384)

The acceptance of the counteroffer to purchase the Moore property was approved during the June 9, 2014 meeting of the Drainage Board. The counteroffer was in the amount of \$128,179.57. (See Drainage Board Minutes Book No.15, page 443)

During the January 12, 2015 meeting of the Drainage Board, the Board approved an extension of services under Task Order No.3 with Banning Engineering in the amount of \$6,170.00 for soils analysis associated with the design of the two-stage ditch project. (See Drainage Board Minutes Book No.16, page 79)

During the August 24, 2020 meeting of the Drainage Board, an amendment to Task Order No. 3 with Banning Engineering was approved. The amendment reduced the contract amount from \$45,000 to \$40,223.75 (a reduction of \$4,776.25). This amendment released Banning from any further obligations associated with this contract. (See Drainage Board Minutes Book No.19, page 308).

Work Order History

The following is the work order history for the Drain since 2001. There have been 37 work orders totaling \$138,727.11.

| Job# | Date Completed | Description | Location | Cost |
|---------------|----------------|--|--|----------|
| WO-2000-00109 | 8/14/2001 | Removed fallen tree from drain | East of Eagletown Rd & North of 246th St | \$429.00 |
| WO-2001-00191 | 1/10/2003 | Removed fallen tree from flowline of ditch | North of 246th St & East of Eagletown Rd | \$450.00 |

| | | | | |
|---------------|------------|--|--|-------------|
| WO-2002-00046 | 8/12/2003 | Clear and restore filter store | East of Eagletown Rd & North of 246th St | \$4,327.50 |
| WO-2003-00184 | 1/19/2005 | Three trees removed from drain | East of Eagletown Rd & North of 246th St | \$1,542.00 |
| WO-2004-00050 | 12/9/2005 | Tile collapsed | East of Lamong Rd & North of 246th St | \$1,706.50 |
| WO-2004-00102 | 2/8/2004 | Clean out debris in drain | Culverts under Six Points Rd in Boxley | \$611.50 |
| WO-2005-00027 | 12/1/2005 | Clearing top of bank and operational side & removing flowline obstructions | East of 2nd Street at end of Road | \$45,078.50 |
| WO-2005-00048 | 12/1/2005 | Remove debris from culverts and haul off | West of Six Points Rd on 256th St | \$898.00 |
| WO-2005-00060 | 8/28/2007 | Trap and remove beavers | East of Hinsely Ave & East of Treatment Plant | \$930.00 |
| WO-2005-00159 | 5/1/2007 | Replaced two outlet pipes that have rusted-out & have debris | East of Eagletown Rd & North of 246th St | \$1,698.00 |
| WO-2006-00081 | 10/27/2006 | Remove debris from culvert and haul away | 256th St & Six Points Rd | \$637.00 |
| WO-2007-00252 | 1/18/2008 | Remove debris at culvert | South of Boxley Rd & West of Six Points Rd | \$434.00 |
| WO-2007-00287 | 2/5/2009 | Remove fallen down trees | Between Eagletown Rd and North of 246th St | \$487.50 |
| WO-2009-00004 | 3/25/2009 | Remove and haul away down trees | Between Six Points and Eagletown Rd behind treatment plant | \$1,940.00 |
| WO-2009-00053 | 4/28/2009 | Remove debris at culvert pipes | West of Six Points Rd on south side of 256th St | \$377.00 |
| WO-2009-00258 | 12/14/2010 | Tree fallen in drain and repaired two erosion areas | East of Eagletown Rd & North of 246th St | \$10,597.50 |

| | | | | |
|---------------|------------|---|--|-------------|
| WO-2010-00028 | 10/26/2010 | Dredge open ditch, spread and seed spoils | 246th St & Lamong Road area | \$26,166.28 |
| WO-2010-00254 | 12/14/2010 | Redredge 300-LF for positive fall for school tile | 246th St & Lamong Road area | \$510.50 |
| WO-2013-00012 | 10/29/2014 | Line of trees needs to be removed | South of 256th St & West of Six Points Rd | \$18,861.59 |
| WO-2014-00203 | 3/13/2014 | Remove and haul away debris from pipes | West of 256th St on Six Points Rd | \$898.00 |
| WO-2014-00380 | 8/5/2015 | Remove down tree | North of 246th St & East of Lamong Rd | \$1,728.00 |
| WO-2015-00398 | 11/24/2015 | Mow filter strip along open ditch | North of 246th St & East of Eagletown Rd | \$525.00 |
| WO-2016-00019 | 5/10/2016 | Repair rock chute (Re-issued was 2015-00392) | North of 246th St & East of Eagletown Rd | \$1,192.25 |
| WO-2016-00049 | 3/29/2016 | Remove log jam from flowline | 256th St & Six Points Rd | \$1,265.36 |
| WO-2016-00296 | 9/27/2016 | Mow field owned by Hamilton County and filter strip areas | North of 246th St & East of Eagletown Rd | \$999.00 |
| WO-2017-00109 | 6/9/2017 | Remove debris on twin culverts | 256th St West of Six Points Rd | \$1,121.50 |
| WO-2017-00290 | 10/23/2017 | Mow filter strips | North of 246th St & East of Eagletown Rd | \$888.00 |
| WO-2018-00244 | 10/9/2018 | Mow field owned by Hamilton County and filter strip areas | North of 246th St & East of Eagletown Rd | \$1,017.00 |
| WO-2019-00089 | 11/13/2019 | Replace two rusted-out outlet pipes; remove tree over pipes | South side of 261st St & East of Six Points Rd | \$3,306.13 |
| WO-2019-00184 | 10/28/2020 | Remove blockage from drain | North of 261st St & West of Meridian Rd | \$2,447.50 |

| | | | | |
|---------------|------------|---|---|------------|
| WO-2019-00276 | 9/24/2019 | Clean out debris from culvert | On 256th St & West of Six Points Rd | \$564.00 |
| WO-2019-00277 | 9/24/2019 | Remove debris from culverts and clearing around pipes | South of 261st St on Six Points Rd | \$1,332.00 |
| WO-2019-00355 | 10/29/2019 | Mow filter strips and Hamilton County owned parcel | Eagletown Rd North of 246th St | \$1,044.00 |
| WO-2019-00432 | 4/13/2020 | Trap and remove beavers | Between Eagletown Rd & Six Points Rd | \$500.00 |
| WO-2020-00015 | 10/28/2020 | Remove flowline obstructions (beaver dam) | West of Six Points Rd & South of 256th St | \$1,146.00 |
| WO-2020-00296 | 10/27/2020 | Mow filter strips and County's property | Eagletown Rd North of 246th St | \$1,071.00 |

Existing Conditions

The George Symonds and William Krause Watershed Study by Banning Engineering completed in 2013 (Study) indicated that there is flooding throughout the watershed, but the flooding is most severe at six locations. The six locations included the Moore property (Area 4) and the Koepkey Property and Fox Field Estates (Area 5). The Study also indicated that Lamong Road has a 50% chance of overtopping annually (2-year) and that Eagletown Road has between a 4% (25-year) and 10% (10-year) chance of overtopping annually. The intersection of 246th Street and Eagletown Road has a history of flooding.

The following is a list of Drainage Complaints filed with the Surveyor's Office since 2000. There has been a total of 26 drainage complaints filed.

| Job# | Date Created | Description | Location |
|---------------|--------------|--------------------|---|
| DC-2000-00053 | 6/5/2000 | Sink holes | North side of 246th St; West of Six Points Rd |
| DC-2001-00236 | 11/15/2001 | Tree down in drain | North of 246th St & East of Eagletown Rd |
| DC-2003-00689 | 12/15/2003 | Tile collapsed | East of Lamong Rd & North of 246th St |
| DC-2004-00076 | 3/23/2004 | Flooding | 25415 Six Points Rd |
| DC-2004-00112 | 4/1/2004 | Debris in drain | Culverts under Six Points Rd in Boxley |

| | | | |
|---------------|------------|---|---|
| DC-2005-00113 | 3/7/2005 | Beaver dam | East of Hinsley Ave |
| DC-2005-00307 | 5/25/2005 | Standing water | 246th St & Six Points Rd |
| DC-2005-00316 | 6/9/2005 | Debris & rusted-out outlets | East of Eagletown Rd & North of 246th St |
| DC-2006-00130 | 4/12/2006 | Debris on Culverts | 256th St & Six Points Rd |
| DC-2009-00012 | 2/11/2009 | Debris along fence line causing water on road | Northwest corner of 246th St & Eagletown Rd |
| DC-2010-00012 | 1/28/2010 | Erosion | North of 261st St (Boxley Ave) & East of Six Points |
| DC-2011-00290 | 6/27/2011 | Cornstalks in ditch | North of 246th St & East of Eagletown Rd |
| DC-2011-00304 | 7/1/2011 | Flooding on property and in home | 25415 Six Points Rd |
| DC-2012-00050 | 2/24/2012 | Filling & placing berm along stream | 261st St & Six Points Rd |
| DC-2012-00366 | 12/6/2012 | Line of trees needs to be removed | South of 256th St & West of Six Points Rd |
| DC-2013-00439 | 8/26/2013 | Sediment needs cleaned out | West of 2nd St & North of SR 47 |
| DC-2014-00143 | 4/16/2014 | Erosion | South of 256th St & West of Six Points Rd |
| DC-2014-00271 | 5/21/2014 | Debris on pipes under 256th St | West of 256th St on Six Points Rd |
| DC-2014-00469 | 10/22/2014 | Tree down in ditch | North of 246th St & East of Lamong Rd |
| DC-2018-00367 | 9/26/2018 | County property overgrown with weeds | Northeast of 246th St & Lamong Rd |
| DC-2019-00110 | 3/27/2019 | Outlets rusted out, need replaced | South side of 261st St & East of Six Points Rd |
| DC-2019-00249 | 5/8/2019 | Log jam | North of 261st St & West of Meridian Rd |

| | | | |
|---------------|------------|------------------------------|--|
| DC-2019-00469 | 7/22/2019 | Clean out debris at culverts | South of 261st St on Six Points Rd |
| DC-2019-00472 | 7/23/2019 | Clean out debris at culverts | On 256th St & West of Six Points Rd |
| DC-2019-00628 | 12/20/2019 | Beaver dam | Between Eagletown Rd & Six Points Rd |
| DC-2021-00282 | 7/7/2021 | Overgrown ditch | North of 246th St & East of Eagletown Rd |

Reconstruction Project

The two-stage ditch is one of the projects recommended in the Study. Of the 10 projects identified in the Study, the following projects were recommended:

- Project 1 – Krause Drain Reconstruction within Sheridan, Open Ditch and detention facility.
- Project 2 – Two stage ditch on George Symonds Drain.
- Project 6 – Benton Hinesley Grass Waterway
- Project 7 – Swan property and Eagletown Road flow improvements
- Project 9 – Reconstruction of George Symonds Drain, Arm 3

As of the date of this report, Projects 1 (known as the William Krause Phase 1, Phase 2, and Phase 3 projects), 6 and 9 are either finished, under or nearing completion.

Additional projects identified in the Study have also been completed. Project 8 recommended relocating the residential structure on the Moore property out of the limits of the future floodplain. The property was purchased, and the residential structure was removed. Project 10 recommended the purchase of the Moore, American Legion Post 67, Koepkey, and Swan properties. The Moore and Swan properties were purchased.

The reconstruction project is identified as Project 2 in the Study. The project includes the construction of a two-stage ditch along a segment of the existing open ditch. The length of the project from the construction plans is 6,965-feet. The two-stage ditch will begin several feet above the current ditch bottom and extend horizontally 8-feet or 14-16 feet then continue up to existing grade at a 3:1 slope. The two-stage channel is mainly on one side of the ditch but includes an area (a length of approximately 609-feet) where the two-stage channel will be on both side of the open ditch. Roughly 120 square feet of additional cross-sectional ditch flow area will be added with this project.

The reconstruction project will benefit Areas 4 and 5 (identified in the Study) by lowering the BFE by 0.3 feet throughout the area of construction. The project will also enhance stormwater quality by resulting in lower velocities during the more frequent, lower flow storm events. Lower velocities result in suspended solids to fall out of suspension and lessen the likelihood of ditch bank sloughing. Additionally, the project will increase the ditch capacity from a 50% risk of exceedance (2-year capacity) to approximately a 20% risk of exceedance (5-year capacity). In tandem with Project 7, this project will alleviate issues of flooding of the intersection of 246th Street and Eagletown Road.

The portion of the Drain that will be improved by this Reconstruction Project starts, approximately, at the South Line of Section 28, Township 20 North Range 3 East (246th Street) and ends,

approximately, at the East Line of Section 28, Township 20 North Range 3 East (approximately 1/2-mile west of Six Points Road).

The portions of the Drain outside of Section 28 of Township 20 North Range 3 East will not be affected by this project.

The two-stage ditch will be constructed across the following parcels and on the side of the Drain noted.

| Parcel No. | Owner | Side of Ditch (Looking Downstream) |
|------------------------|--|--|
| 01-01-28-00-00-013.000 | Merrill, Gary & Cheryl R | Right |
| 01-01-28-00-00-016.000 | Osborne, Kelvin J | Right |
| 01-01-28-00-00-014.000 | Merrill, Gary & Cheryl R | Right |
| 01-01-28-00-00-012.000 | Garcia, Joe B & Griselda M | Right |
| 01-01-28-00-00-011.000 | Roudebush, Jeffory L | Right |
| 01-01-28-00-00-009.004 | Hamilton County Board of Commissioners | Left |
| 01-01-28-00-01-003.000 | Dixon, Patricia K | Left |
| 01-01-28-00-01-002.000 | Zola, David J & Lisa M | Left |
| 01-01-28-00-01-001.000 | Gwin, David R | Left |
| 01-01-28-00-00-009.002 | Habig, Frank J | Right (A length of approximately 609-feet upstream from a point that is approximately 60-feet upstream of the north parcel line) |
| 01-01-28-00-00-007.000 | Majesty Inc | Right |

Upon completion of this project, the only remaining project recommended by the Study to be completed is Project 7. Project 7 includes the installation of 6, 48-inch culverts under Eagletown Road and the construction of a lateral detention area on the Swan property. The construction plans for this project are complete and the Swan property has been acquired.

Permits

Per a letter dated May 26, 2015 from the Army Corps of Engineers, the project is not subject to regulation pursuant to Section 404 of the Clean Water Act and a Department of the Army permit is not required.

The total length of the stream is approximately 4-miles and is exempt from the IDNR Construction in a Floodway permit per IC 14-28-1-22(b)(1).

All work is being completed above the ordinary high-water mark of the open ditch and within the existing easement. No other permits are required.

Construction Cost

On September 27, 2021, the Drainage Board received four bids for the reconstruction project. The bid included a Base Bid and one Alternate Bid. The bids received were as follows:

| <i>Company</i> | <i>Base Bid</i> | <i>Alternate Bid</i> | <i>Total Base Bid and Alternate Bid</i> |
|--------------------------------|-----------------|----------------------|---|
| Morphey Construction, Inc. | \$710,000.00 | \$205,000.00 | \$915,000.00 |
| F&K Construction, Inc. | \$334,610.00 | \$519,000.00 | \$853,610.00 |
| Hoosier Pride Excavating, Inc. | \$488,752.45 | \$350,000.00 | \$838,752.45 |
| Monroe, LLC | \$407,000.00 | \$537,000.00 | \$944,000.00 |

The lowest bidder was Hoosier Pride Excavating, Inc. Based on the bid received, the cost of construction for this project is outlined below.

| <i>Base Bid</i> | | | | | |
|-----------------|---|-----------------|-------------|-------------------|--------------------|
| <i>Item</i> | <i>Description</i> | <i>Quantity</i> | <i>Unit</i> | <i>Unit Price</i> | <i>Total Price</i> |
| BB-1 | Clearing | 1 | LS | \$28,500.00 | \$28,500.00 |
| BB-2 | Chemical Treatment | 1 | LS | \$500.00 | \$500.00 |
| BB-3 | 16-foot Wide Bench | 3,467 | LFT | \$45.00 | \$156,015.00 |
| BB-4 | 14-foot Wide Bench | 3,366 | LFT | \$42.50 | \$143,055.00 |
| BB-5 | 8-foot Wide Bench | 609 | LFT | \$40.00 | \$24,360.00 |
| BB-6 | Marl Overexcavation and Topsoil Placement | 565 | LFT | \$13.45 | \$7,599.25 |
| BB-7 | Splash Pads | 8 | EA | \$400.00 | \$3,200.00 |
| BB-8 | Rock Chute | 1 | EA | \$5,000.00 | \$5,000.00 |
| BB-9 | Seeding, Type "A" | 5.2 | Acre | \$3,870.00 | \$20,124.00 |
| BB-10 | Seeding, Type "B" with mulch | 4.3 | Acre | \$7,744.00 | \$33,299.20 |
| BB-11 | Surface Water Pipe | 5 | EA | \$3,000.00 | \$15,000.00 |

| | | | | | |
|-----------------------------|------------------------------------|---|----|--------------|---------------------|
| BB-12 | 15-Inch Tile Drain Extension | 5 | EA | \$1,600.00 | \$8,000.00 |
| BB-13 | 10-inch Tile Drain Extension | 2 | EA | \$1,500.00 | \$3,000.00 |
| BB-14 | 8-Inch Tile Drain Extension | 3 | EA | \$1,200.00 | \$3,600.00 |
| BB-15 | Construction Entrance | 2 | EA | \$4,500.00 | \$9,000.00 |
| BB-16 | Operational Side Toe Stabilization | 1 | LS | \$28,500.00 | \$28,500.00 |
| <i>Total Base Bid</i> | | | | | <i>\$488,752.45</i> |
| <i>Alternate Bid</i> | | | | | |
| AB-1 | Off-Site Soil Disposal | 1 | LS | \$350,000.00 | \$350,000.00 |
| <i>Total Alternate Bid</i> | | | | | <i>\$350,000.00</i> |

Easements

The work will be completed within the existing regulated drain easement and no additional easement is required for the project.

Filter Strips

20-foot filter strips are hereby established across the following parcels.

| Parcel No. | Owner | Side of Ditch (Looking Downstream) |
|------------------------|----------------------------|--|
| 01-01-28-00-00-013.000 | Merrill, Gary & Cheryl R | Right |
| 01-01-28-00-00-016.000 | Osborne, Kelvin J | Right |
| 01-01-28-00-00-014.000 | Merrill, Gary & Cheryl R | Right |
| 01-01-28-00-00-012.000 | Garcia, Joe B & Griselda M | Right |
| 01-01-28-00-00-011.000 | Roudebush, Jeffory L | Right |
| 01-01-28-00-00-009.002 | Habig, Frank J | Right [A distance of 700-feet from the north line of the parcel] |
| 01-01-28-00-00-007.000 | Majesty Inc | Right |

Changes to the Drain

There are no changes to the length of the Drain as a result of this project.

Total Project Costs

The total cost of the project includes construction costs, professional service costs, property appraisal costs, and property acquisition costs. The total cost of this project is \$1,283,845.43. The various costs are outlined below:

| Item | Cost |
|---|-----------------------|
| Symonds and Krause Watershed Study [Banning Engineering; Invoices for work associated with George Symonds Watershed] | \$53,768.93 |
| Survey, Design, Specifications, Soil Borings and Analysis for Two Stage Ditch Project [Banning Engineering; Task Order No. 3] | \$40,223.75 |
| Soil Borings and Analysis for Two Stage Ditch Project [Banning Engineering; Task order No. 3 Extension] | \$6,170.00 |
| Construction [Base Bid Plus Alternate Bid] | \$838,752.45 |
| 15% Construction Contingency | \$125,812.87 |
| Construction Staking, Grade Checks, As-Built Drawings [Banning Engineering; Estimate] | \$56,000.00 |
| Total Project Cost | \$1,120,728.00 |

Project Funding

A portion of the project may be funded by the Coronavirus State and Federal Fiscal Recovery Funds of the American Rescue Plan. As of the date of this report, the first round of funds from this program is available. The construction estimate submitted for ARP funding by the Surveyor for the reconstruction project was \$979,987.00. Therefore, the amount of the project to be funded from this source is \$979,987.00.

A portion of the project may be funded from the George Symonds Maintenance Fund as allowed by IC-36-9-27-45.5. The maintenance fund balance for the George Symonds Drain is currently \$82,210.37. There is an outstanding Work Order 2021-00207. After payment, the maintenance fund balance will be \$81,020.37. The George Symonds Drain maintenance fund currently receives \$43,506.22 annually from maintenance assessments. 75% of the current fund balance equals \$60,765.28.

The balance of the total project cost that is not payable from the America Rescue Plan or the Drain Maintenance Fund, equal to \$79,975.72, will be funded by assessment of the benefitted shed. The benefitted shed is that portion of the shed upstream of the end of the project. The benefitted drainage shed includes 899-parcels consisting of 2,966.29-acres.

Before the hearing, soft costs were incurred in the amount of \$100,162.68 and paid from the George Symonds Drain maintenance fund. These costs will be reimbursed from the project's funding as soon as funds become available.

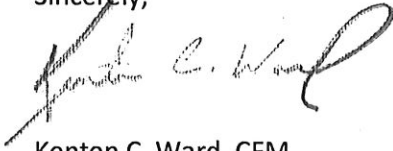
I have reviewed the benefitted drainage shed and upon considering each parcel individually, I believe each parcel within the drainage shed will have equal benefits as provided by the drain. Therefore, I recommend each tract be assessed on the same basis equally. I also believe that no

damages will result to landowners by reconstruction of this drain. I recommend a reconstruction assessment of \$23.08 per acre with a minimum assessment of \$23.08.

The final costs to be assessed shall be based on the actual construction contract amounts, professional services contract amounts, and any approved change orders.

I recommend that a hearing be held for this matter on November 22, 2021.

Sincerely,

A handwritten signature in black ink, appearing to read "Kenton C. Ward". The signature is written in a cursive style with a large, sweeping initial "K".

Kenton C. Ward, CFM
Hamilton County Surveyor

KCW/pll

STATE OF INDIANA)
) ss:
COUNTY OF HAMILTON)

BEFORE THE HAMILTON COUNTY
DRAINAGE BOARD
NOBLESVILLE, INDIANA

IN THE MATTER OF THE
RECONSTRUCTION OF THE
George Symonds Drain Two Stage Ditch Reconstruction

FINDINGS AND ORDER FOR RECONSTRUCTION

The matter of the proposed Reconstruction of the **George Symonds Drain Two Stage Ditch Reconstruction** came before the Hamilton County Drainage Board for hearing **on November 22, 2021**, on the Reconstruction Report consisting of the report and the Schedule of Damages and Assessments. The Board also received and considered the written objection of an owner of certain lands affected by the proposed Reconstruction, said owner being:

Evidence was heard on the Reconstruction Report and on the aforementioned objections.

The Board, having considered the evidence and objections, and, upon motion duly made, seconded and unanimously carried, did find and determine that the costs, damages and expenses of the proposed Reconstruction will be less than the benefits accruing to the owners of all land benefited by the Reconstruction.

The Board having considered the evidence and objections, upon motion duly made, seconded and unanimously carried, did adopt the Schedule of Assessments as proposed, subject to amendment after inspection of the subject drain as it relates to the lands of any owners which may have been erroneously included or omitted from the Schedule of Assessments.


The Board further finds that it has jurisdiction of these proceedings and that all required notices have been duly given or published as required by law.

Wherefore, it is ORDERED, that the proposed Reconstruction of the **George Symonds Drain Two Stage Ditch Reconstruction** be and is hereby declared established.

Thereafter, the Board made inspection for the purpose of determining whether or not the lands of any owners had been erroneously included or excluded from the Schedule of Assessments. The Board finds on the basis of the reports and findings at this hearing as follows:

HAMILTON COUNTY DRAINAGE BOARD


PRESIDENT


Member


Member

ATTEST: 
Executive Secretary

To: Office of Hamilton County Drainage Board
One Hamilton County Square, Ste. 188
Noblesville, In 46060

From: Mrs. Don Jessup
3099 W. 253rd. St.
Sheridan, In 46069

Board Members:

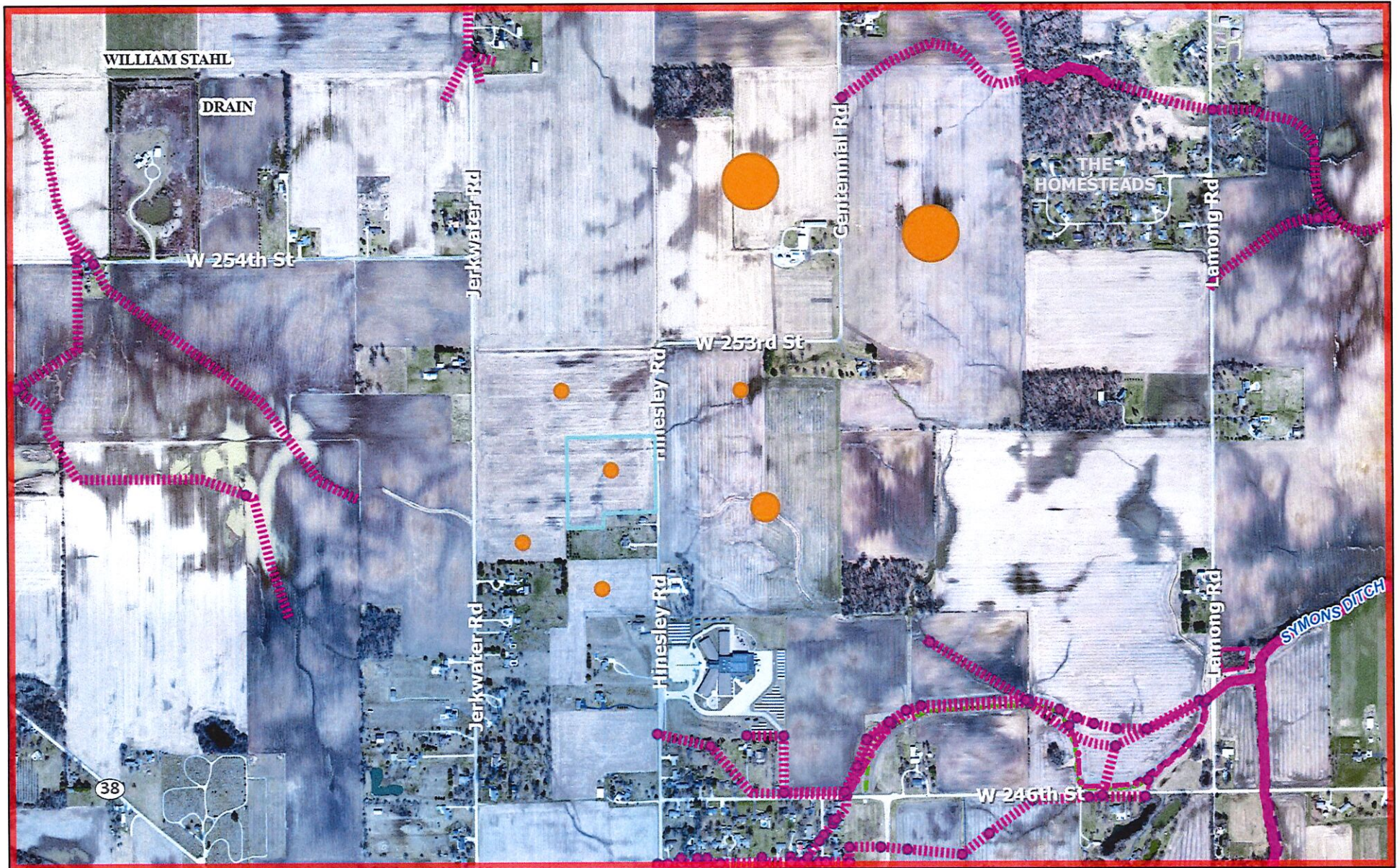
I am interested in coming to the meeting November 22, 2021.
As my husband and I are already paying on a ditch, \$31,710 for 7 years, I would like to
hear more about this proposed George Symonds Drain reconstruction. I didn't think
about getting hit again for more money this soon!

Mrs. Donna Jessup

01-01-29-00-00-019.000
01-01-29-00-00-017.301
01-01-29-00-00-023.000
01-01-29-00-00-021.000
01-01-29-00-00-020.000
01-01-29-00-00-013.000
01-01-29-00-00-004.000

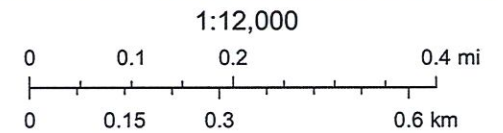


Symonds Drain, George_Jessup Letter



November 17, 2021

- | | | | |
|----------------------------------|------------------|--------------------|--------------|
| — Regulated Drains Drainage Pool | — Grass Waterway | — Regulated Drains | — SSD |
| — Regulated Drains Waterways | — Swale | — CLOSED DRAIN | — Drain Name |
| — Filter Strip | | — OPEN DRAIN | |



Author: Hamilton County

Hamilton County compiled this map. Although strict accuracy standards have been employed, Hamilton County does not warrant or guarantee the accuracy of the information contained herein and disclaims any and all liability resulting from any error or omission. This copy printed from Digital Archive of the Hamilton County Surveyor's Office; One Hamilton Co. Square, Ste., Noblesville, IN 46060

BEFORE THE HAMILTON COUNTY DRAINAGE BOARD
IN THE MATTER OF

George Symonds Drain
Two Stage Ditch Reconstruction

NOTICE

To Whom It May Concern and: Barron, Helen K.

Bolen, Collin P.

Tate, M. Scott & Kathryn J.

Notice is hereby given of the hearing of the Hamilton County Drainage Board concerning the reconstruction of the **George Symonds Drain, Two Stage Ditch Reconstruction** on **November 22, 2021** at **9:00 A.M.** in Commissioners Court, Hamilton County Judicial Center, One Hamilton County Square, Noblesville, Indiana. Construction and maintenance reports of the Surveyor and the Schedule of Assessments proposed by the Drainage Board have been filed and are available for public inspection in the office of the Hamilton County Surveyor.

Hamilton County Drainage Board

Attest: Lynette Mosbaugh

ONE TIME ONLY

STATE OF INDIANA)
) SS BEFORE THE HAMILTON
)
COUNTY OF HAMILTON) DRAINAGE BOARD

IN THE MATTER OF **George Symonds Drain, Two Stage Ditch
Reconstruction**

NOTICE

Notice is hereby given that the Hamilton County Drainage Board at its regular meeting **November 22, 2021** adopted the reconstruction report of the Surveyor and the Amended Schedule of damages and assessments including annual assessment for periodic maintenance, finding that the costs, damages and expense of the proposed improvement would be less than the benefits which will result to the owner of lands benefited thereby.

The Board issued an order declaring the proposed improvement established. Such findings and order were marked filed and are available for inspection in the Office of the Hamilton County Surveyor.

If judicial review of the findings and order of the Board is not requested pursuant to Article VIII of the 1965 Indiana Drainage Code as amended within twenty (20) days from the date of publication of this notice, the findings and order shall become conclusive.

HAMILTON COUNTY DRAINAGE BOARD

BY: Steven C. Dillinger
 PRESIDENT

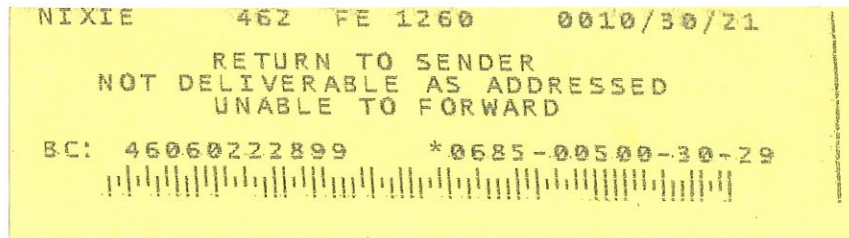
ATTEST: Lynette Mosbaugh
 SECRETARY

OFFICE OF
HAMILTON COUNTY DRAINAGE BOARD
 October 22, 2021

NOV 02 2021

Notice of Hearing on Reconstruction & Schedule of Assessments and Damages on the George Symonds Drain, Two-Stage Ditch Reconstruction.

Barron, Helen K
 405 E 5TH ST
 Sheridan, IN 46069



Under the Indiana Drainage Code, all land which drains directly, or indirectly, may be assessed for either maintenance cost or reconstruction cost within the drain. In making the calculation for each parcel, the Drainage Board must calculate the percentage of the cost attributable to each parcel of land benefitted. The Drainage Board has received a reconstruction report and schedule of assessments which affects your land. The purpose of the reconstruction project is to perform work which will substantially improve the drainage for the entire watershed served by the drain.

You are hereby notified that the reconstruction report of the County Surveyor and the schedule of assessments made by the Drainage Board have been filed and are available for public inspection in the office of the County Surveyor. The chart below contains your proposed assessment and your percentage of the total reconstruction assessment.

The reconstruction report of the Surveyor and schedule of damages and benefits as determined by the Drainage Board for the proposed improvement known as the **George Symonds Drain, Two-Stage Ditch Reconstruction** have been filed and are available for inspection in the office of the County Surveyor. The schedule of assessments shows the following lands in your name are affected as follows. This assessment is not a charge for services associated with regulating the quality of storm water within your city or town.

| Description of Land | Acres Benefitted | Damages | Reconst. Assmt. | % of Total | Maint. Assmt. |
|-----------------------------------|------------------|---------|-----------------|------------|---------------|
| 02-01-32-03-06-015.000 | | | | | |
| S32 T20 R3 Levi White Lot 4 Blk 4 | 0.23 | Zero | \$23.08 | 0.03% | * |

* No change in current maintenance assessment rates.
 * A portion of the construction to be paid with American Rescue Plan funds, George Symonds maintenance funds, and the balance to be assessed to the benefitted drainage shed.

The hearing on the Surveyor's reconstruction report and on the schedules of damages and assessments are set for hearing at **9:00 A.M. on November 22, 2021** in the Commissioner's Court. The law provides that objections must be written and filed not less than 5 days before the date of the hearing. Objections may be for causes as specified by law and which are available at the Surveyor's Office. Written evidence in support of objections may be filed. The failure to file objections constitutes a waiver of your right to thereafter object, either before the Board or in court on such causes, to any final action of the Board. On or before the day of the hearing before the Board, the Surveyor shall and any owner of affected lands may cause written evidence to be filed in support of or in rebuttal to any filed objections.

HAMILTON COUNTY DRAINAGE BOARD
 One Hamilton County Square, Ste. 188
 Noblesville, IN 46060-2230

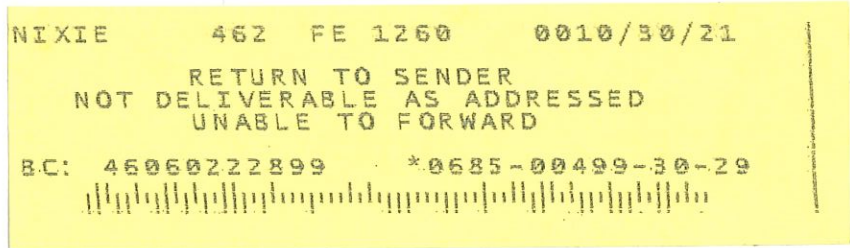
For a copy of the Surveyor's Report to the Drainage Board and a copy of the map, if applicable, please go to www.hamiltoncounty.in.gov/drainageboardnotices.

OFFICE OF
HAMILTON COUNTY DRAINAGE BOARD
 October 22, 2021

NOV 04 2021

Notice of Hearing on Reconstruction & Schedule of Assessments and Damages on the George Symonds Drain, Two-Stage Ditch Reconstruction.

Bolen, Collin P
 205 E 5th St
 Sheridan, IN 46069



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| Description of Land | Acres Benefitted | Damages | Reconst. Assmt. | % of Total | Maint. Assmt. |
|----------------------------------|------------------|---------|-----------------|------------|---------------|
| 02-01-32-03-06-025.000 | | | | | |
| S32 T20 R3 Higbee Sec 2 Lot Pt 2 | 0.11 | Zero | \$23.08 | 0.03% | * |

* No change in current maintenance assessment rates.
 * A portion of the construction to be paid with American Rescue Plan funds, George Symonds maintenance funds, and the balance to be assessed to the benefitted drainage shed.

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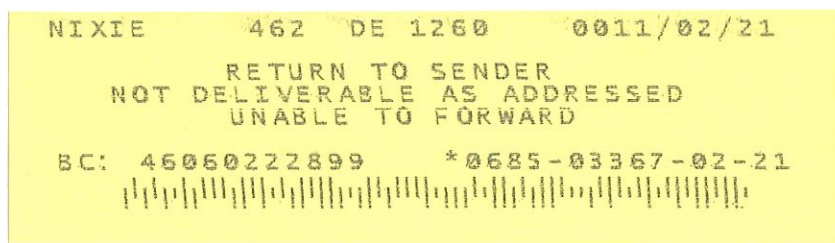
HAMILTON COUNTY DRAINAGE BOARD
 One Hamilton County Square, Ste. 188
 Noblesville, IN 46060-2230

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OFFICE OF
HAMILTON COUNTY DRAINAGE BOARD
 October 22, 2021

Notice of Hearing on Reconstruction & Schedule of Assessments and Damages on the **George Symonds Drain, Two-Stage Ditch Reconstruction.**

Tate, M Scott & Kathryn J
 1060 Nantucket Dr
 Cicero, IN 46034



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| Description of Land | Acres Benefitted | Damages | Reconst. Assmt. | % of Total | Maint. Assmt. |
|------------------------|------------------|---------|-----------------|------------|---------------|
| 02-01-32-03-01-002.000 | | | | | |
| S32 T20 R3 0.20Ac | 0.20 | Zero | \$23.08 | 0.03% | * |

* No change in current maintenance assessment rates.
 * A portion of the construction to be paid with American Rescue Plan funds, George Symonds maintenance funds, and the balance to be assessed to the benefitted drainage shed.

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 Noblesville, IN 46060-2230

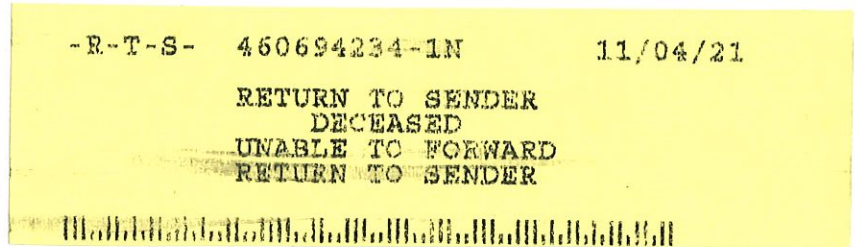
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OFFICE OF
HAMILTON COUNTY DRAINAGE BOARD
 October 22, 2021

NOV 15 2021

Notice of Hearing on Reconstruction & Schedule of Assessments and Damages on the **George Symonds Drain, Two-Stage Ditch Reconstruction.**

Prochnow, Joel
 502 E 6TH ST
 Sheridan, IN 46069



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| Description of Land | Acres Benefitted | Damages | Reconst. Assmt. | % of Total | Maint. Assmt. |
|------------------------|------------------|---------|-----------------|------------|---------------|
| 02-01-32-03-08-014.000 | | | | | |
| S32 T20 R3 0.40Ac | 0.40 | Zero | \$23.08 | 0.03% | * |

* No change in current maintenance assessment rates.
 * A portion of the construction to be paid with American Rescue Plan funds, George Symonds maintenance funds, and the balance to be assessed to the benefitted drainage shed.

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HAMILTON COUNTY DRAINAGE BOARD
 One Hamilton County Square, Ste. 188
 Noblesville, IN 46060-2230

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OFFICE OF
HAMILTON COUNTY DRAINAGE BOARD
 October 22, 2021

Notice of Hearing on Reconstruction & Schedule of Assessments and Damages on the **George Symonds Drain, Two-Stage Ditch Reconstruction.**

FILED

NOV 24 2021

Miller, Trustee of Jack E Miller Revocable Living Trus
 101 Georgia St S
 Sheridan, IN 46069

OFFICE OF HAMILTON COUNTY SURVEYOR
 Returned by USPS after the hearing date:

Under the Indiana Drainage Code, all land which drains directly, or indirectly, may be assessed for either maintenance cost or reconstruction cost within the drain. In making the calculation for each parcel, the Drainage Board must calculate the percentage of the cost attributable to each parcel of land benefitted. The Drainage Board has received a reconstruction report and schedule of assessments which affects your land. The purpose of the reconstruction project is to perform work which will substantially improve the drainage for the entire watershed served by the drain.

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|---|------------------|---------|-----------------|------------|---------------|
| 02-01-32-01-02-016.000 | | | | | |
| S32 T20 R3 Boxley Org/Sheridan Lot 3 Blk 4 | 0.20 | Zero | \$23.08 | 0.03% | * |
| * No change in current maintenance assessment rates. | | | | | |
| * A portion of the construction to be paid with American Rescue Plan funds, George Symonds maintenance funds, and the balance to be assessed to the benefitted drainage shed. | | | | | |

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al to any filed objections.
 HAMILTON COUNTY DRAINAGE BOARD
 Hamilton County Square, Ste. 188
 Noblesville, IN 46060-2230

UNABLE TO FORWARD FOR REVIEW
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 C002
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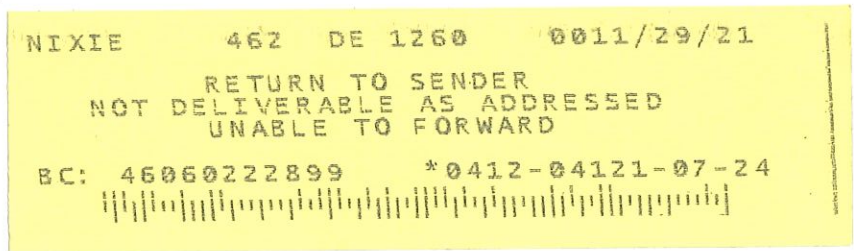
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 BC: 46060222899 *0685-03849-13-27

*age Board and a copy of the map, if
 gov/drainageboardnotices.*

OFFICE OF
HAMILTON COUNTY DRAINAGE BOARD
 October 22, 2021

Notice of Hearing on Reconstruction & Schedule of Assessments and Damages on the **George Symonds Drain, Two-Stage Ditch Reconstruction.**

Fosnight, Linda L
 104 E 3RD ST
 Sheridan, IN 46069



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|--|------------------|---------|-----------------|------------|---------------|
| 02-01-32-03-03-002.001 | | | | | |
| S32 T20 R3 Higbee Sec 1 Lot Pt 2 Blk 5 | 0.21 | Zero | \$23.08 | 0.03% | * |

* No change in current maintenance assessment rates.
 * A portion of the construction to be paid with American Rescue Plan funds, George Symonds maintenance funds, and the balance to be assessed to the benefitted drainage shed.

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HAMILTON COUNTY DRAINAGE BOARD
 One Hamilton County Square, Ste. 188
 Noblesville, IN 46060-2230

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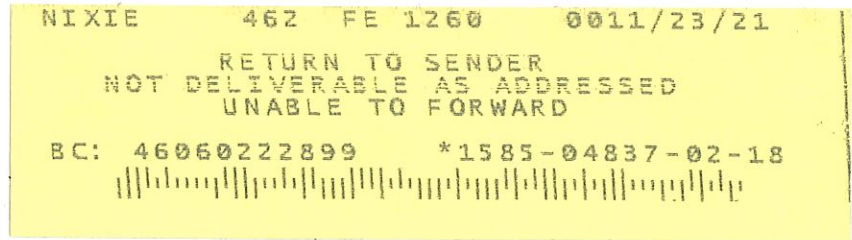
OFFICE OF
HAMILTON COUNTY DRAINAGE BOARD

October 22, 2021

DEC 28 2021

Notice of Hearing on Reconstruction & Schedule of Assessments and Damages on the **George Symonds Drain, Two-Stage Ditch Reconstruction.**

Stewart, David
PO BOX 3516
Carmel, IN 46082



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|--|------------------|---------|-----------------|------------|---------------|
| 02-01-32-01-06-029.000 | | | | | |
| S32 T20 R3 Squire Owens 1st Addition 1st | 0.08 | Zero | \$23.08 | 0.03% | * |

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Noblesville, IN 46060-2230

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Kenton C. Ward, CFM
Surveyor of Hamilton County
Phone (317) 776-8495
Fax (317) 776-9628

Suite 188
One Hamilton County Square
Noblesville, Indiana 46060-2230

February 21, 2023

TO: Hamilton County Drainage Board

RE: George Symonds Drain 2-Stage Ditch Reconstruction Final Report

This is the final report of the George Symonds Drain 2-Stage Ditch Reconstruction, located in Sections 27-28. Township 20 North, Range 3 East in Adams Township, Hamilton County, Indiana.

The September 13, 2021 meeting of the Hamilton County Drainage Board the County Surveyor asked the Board to set date to receive bids for George Symonds Drain 2-Stage reconstruction for September 27, 2021. (Hamilton County Drainage Board Minutes Book 20, Page 145)

The September 27, 2021 meeting of the Hamilton County Drainage Board the Board received four (4) bids for the George Symonds Drain 2-Stage reconstruction. Bids were received from Hoosier Pride Excavating, Morphe Construction, F&K Construction and Monroe, LLC. The 4 bids were referred to the Hamilton County Surveyor for review and recommendation at a later drainage board meeting. (Hamilton County Drainage Board Minutes Book 20, Page 157)

The October 11, 2021 meeting of the Hamilton County Drainage Board Staff Engineer Gary Duncan requested the Board to set a date of November 22, 2021 for the hearing of the George Symonds Drain 2-Stage reconstruction. (Hamilton County Drainage Board Minutes Book 20, Page 178)

The November 22, 2021 meeting of the Hamilton County Drainage Board the Board conducted the hearing for the George Symonds Drain 2-Stage Ditch reconstruction. There were no

objections on file for the proposed reconstruction. The reconstruction will utilize American Rescue Plan Act (ARPA) monies in the amount of \$979,987.00 to help defray costs of the reconstruction. The Board approved the reconstruction and awarded the bid to Hoosier Pride Excavating for base and alternate bid of \$838,752.45. (Hamilton County Drainage Board Minutes Book 20, Pages 206-216, and Pages 240-241)

The December 13, 2021 meeting of the Hamilton County Drainage Board the Surveyor requested a Professional Services contract for inspection services with Banning Engineering in the amount of \$17,000.00. This request was due to recent retirement of staff from the Hamilton County Surveyor's office. (Hamilton County Drainage Board Minutes Book 20, Page 255)

The December 13, 2021 meeting of the Hamilton County Drainage Board the Surveyor presented the contract for the George Symonds Drain 2-Stage Ditch reconstruction for the Board's signature in the amount of \$838,752.45. (Hamilton County Drainage Board Minutes Book 20, Page 255)

During the reconstruction there were some minor changes made to the original design of Banning Engineering and noted on the as-built drawings. Those changes were a new ford drain crossing at approximately Station 20x25 on the Majesty Inc. parcel (01-01-28-00-00-007.000) and an additional 175 feet of 8' wide bench. Several rip rap splash pads were added to facilitate positive drainage from new tile outlets across the new 2-stage shelf. Several new tile outlets were added as indicated in the referenced change orders in the final report.

The total length of 2-stage ditch for this project is approximately 6361 feet.

During the reconstruction project there were Three (3) change orders.

Change Order # 1 dated April 4, 2022 was approved by the Hamilton County Drainage Board at the April 11, 2022 meeting (Hamilton County Drainage Board Minutes Book 20, Pages 361-362) for New Ford Drain Crossing and One (1) Additional Construction Entrance.

Change Order # 2 dated May 13, 2022 was approved by the Hamilton County Drainage Board at the May 23, 2022 meeting (Hamilton County Drainage Board Minutes Book 20, Pages 430-431) for adding BB-5 175.44 feet of Eight (8') wide bench and deletion from contract of BB-3 565 feet of 16' wide bench and BB-6 Mari over excavation/topsoil placement.

Change Order # 3 dated December 8, 2022 was approved by the Hamilton County Drainage Board at the December 12, 2022 meeting (Hamilton County Drainage Board Minutes Book 21, Page 116) for adding BB-7 16 Splash Pads, BB-11 3 Surface Water Pipes, BB-14 2 – 8" Tile Drain Extensions, 9 – 6" Tile Drain Extensions, 1 -12" Tile Drain Extension to the Contract and Removing/Deducting from the Contract BB-2 Chemical Treatment, BB – 12 15" Tile Drain Extensions (5), BB-13 10" Tile Drain Extensions (1), AB-1 Off-site Soil Disposal (0.037).

| | | |
|---------------------------------------|----------------------------------|--------------------|
| Change Order # 1 (Approved 4/11/2022) | | |
| BB-New | Temporary Drain Crossing | \$ 34,700.00 |
| BB-15 | Additional Construction Entrance | <u>\$ 4,500.00</u> |
| Total Cost of Change Order # 1 | | \$39,200.00 |

| | | |
|---------------------------------------|------------------------------|--------------------|
| Change Order # 2 (Approved 5/23/2022) | | |
| BB-5 | 175.44 feet of 8' Wide Bench | \$ 7,017.60 |
| Total Cost of Change Order # 2 | | <u>\$ 7,017.60</u> |

| | | |
|--|---|-----------------------|
| BB-3 | Deduct 565' of 16' Wide Bench | \$ (-25,425.00) |
| BB-6 | Deduct Mari over Excavation/Topsoil Placement | <u>\$ (-7,599.25)</u> |
| Total Deductions from Change Order # 2 | | \$ (-33,024.25) |

| | | |
|--------------------------------------|------------------------------|--------------------|
| Change Order # 3 (Approved 12/12/22) | | |
| BB-7 | 16 Splash Pads | \$ 6,400.00 |
| BB-11 | 3 – Surface Water Pipes | \$ 9,000.00 |
| BB-14 | 2 – 8" Tile Drain Extension | \$ 2,400.00 |
| New Item | 9 – 6" Tile Drain Extension | \$ 8,100.00 |
| New Item | 1 – 12" Tile Drain Extension | <u>\$ 1,550.00</u> |
| Total Additions for Change Order # 3 | | \$ 27,450.00 |

| | | |
|---------------------------------------|---------------------------------------|------------------------|
| BB-2 | Chemical Treatment | \$ (-500.00) |
| BB-12 | Deduct 5 – 15" Tile Drain Extensions | \$ (-8,000.00) |
| BB-13 | Deduct 1 – 10" Tile Drain Extension | \$ (-1500.00) |
| AB-1 | Deduct Off-site Soil Disposal (0.037) | <u>\$ (-12,982.55)</u> |
| Total Deductions for Change Order # 3 | | \$ (-22,982.55) |

Total Additional Cost of Change Orders # 1, # 2 and # 3 \$ 73,667.60

Total Deductions from Change Orders # 2 and # 3 \$ 56,006.80

During the reconstruction project there were Four (4) Pay Applications. The following is a breakdown of all invoices associated with the George Symonds Drain 2-Stage Ditch Reconstruction.

| | |
|--|---------------------|
| Pay Application # 1 Total | \$ 354,300.00 |
| Retainage | <u>\$ 53,145.00</u> |
| Amount Paid to Hoosier Pride Excavating (04/26/22) | \$ 301,155.00 |

| | |
|--|---------------------|
| Pay Application # 2 Total | \$ 357,834.60 |
| Retainage | <u>\$ 53,675.19</u> |
| Amount Paid to Hoosier Pride Excavating (06/01/22) | \$ 309,159.41 |

| | |
|---|-----------------|
| Pay Application # 3 Total | \$ 144,278.65 |
| Retainage | \$ 21,641.80 |
| Amount Paid to Hoosier Pride Excavating (02/14/23) | \$ 122,636.85 |
| | |
| Pay Application # 4 Total – Retainage (02/14/23) | \$ 128,461.99 |
| Total Paid to Hoosier Pride Excavating | \$ 856,413.25 |
| | |
| Engineer’s Estimate Based on Bid | \$ 838,752.45 |
| | |
| Contractor’s Bid | \$ 838,752.45 |
| Total Additions of Change Orders # 1, # 2 and # 3 | \$ 73,667.60 |
| Total Additions | \$ 912,420.05 |
| Deletion from Contract (Change Order # 1 and # 2) | \$ -(56,006.80) |
| Total Paid to Hoosier Pride Excavating | \$ 856,413.25 |
| Study, Engineering, Staking, Inspection and As-built Drawings (Banning) | \$ 159,912.68 |
| Total Reconstruction Costs | \$1,014,325.93 |

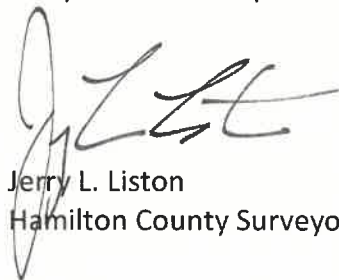
American Rescue Plan Act (ARPA) funds were used to pay \$882,463.56 (87%) and maintenance funds were used to pay \$131,862.37 (13%) of the projects total cost. No reconstruction collections are necessary.

On December 6, 2022, this office received from Hoosier Pride Excavating Form E-1 stating that all expenses incurred for labor and material have been paid in full.

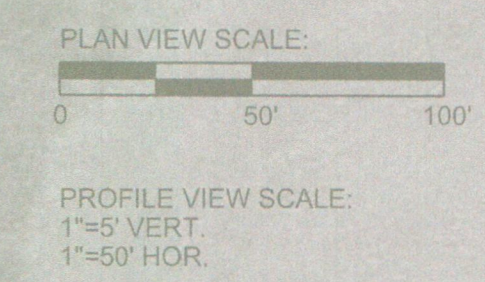
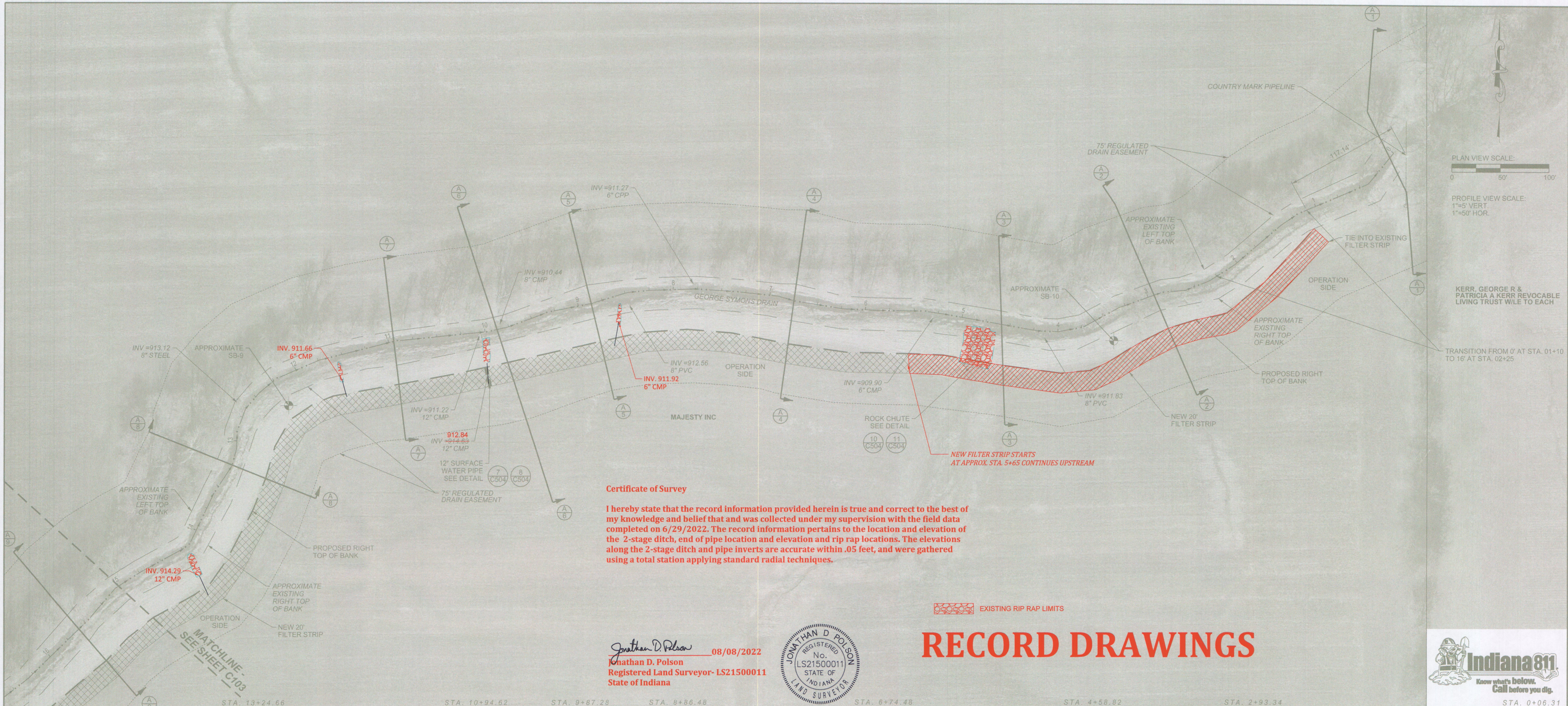
As-built drawings were completed by Banning Engineering and were received in the office on February 16, 2023. The as-built drawings have been reviewed by Hamilton County Surveyor’s Office Staff Engineer Gary Duncan and found to be complete and acceptable.

As of the date of this report, I hereby attest to and agree that the reconstruction was completed according to specified plans, change orders and inspections. All inspections have been completed by Banning Engineering’s Dennis Nail and with oversight of Staff Engineer Gary Duncan and office personnel of the Hamilton County Surveyor’s Office.

I recommend the Board approve the George Symonds Drain 2-Stage Ditch reconstruction as complete and acceptable.



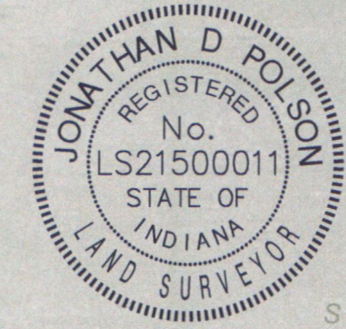
Jerry L. Liston
Hamilton County Surveyor’s Office



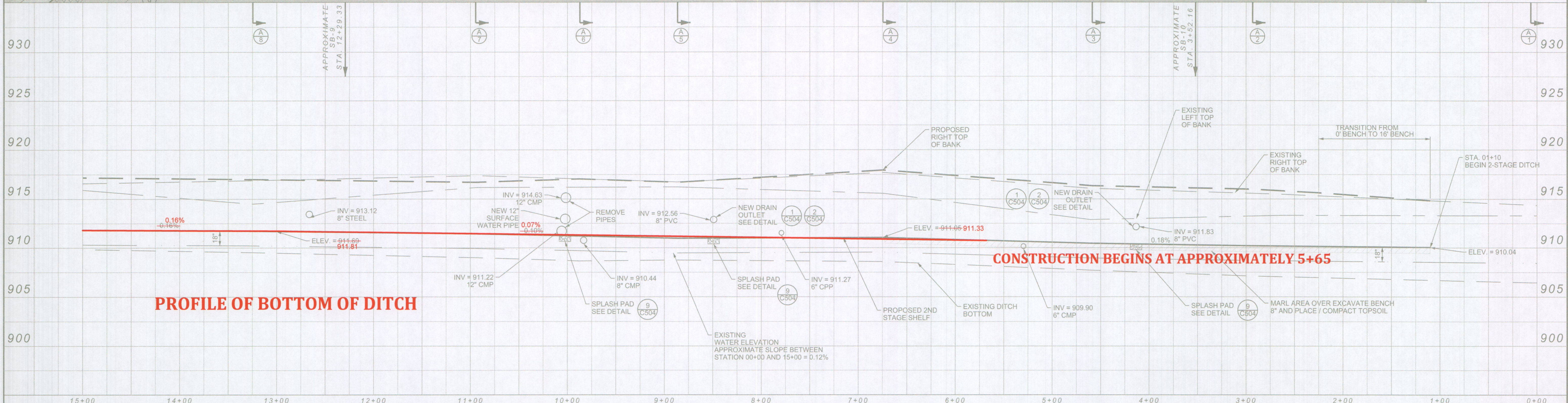
Certificate of Survey

I hereby state that the record information provided herein is true and correct to the best of my knowledge and belief that and was collected under my supervision with the field data completed on 6/29/2022. The record information pertains to the location and elevation of the 2-stage ditch, end of pipe location and elevation and rip rap locations. The elevations along the 2-stage ditch and pipe inverts are accurate within .05 feet, and were gathered using a total station applying standard radial techniques.

Jonathan D. Polson
 Jonathan D. Polson
 Registered Land Surveyor- LS21500011
 State of Indiana



RECORD DRAWINGS



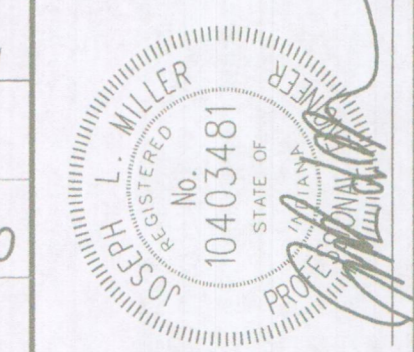
PROFILE OF BOTTOM OF DITCH

CONSTRUCTION BEGINS AT APPROXIMATELY 5+65

PLAN & PROFILE STRUCTURES

| Revisions | Date |
|----------------------------------|----------|
| ADJUST FOR COUNTRY MARK PIPELINE | 12-09-21 |

**PLAN AND PROFILE STA 00+00 TO 15+00
 TWO STAGE DITCH RECONSTRUCTION
 ADAMS TOWNSHIP
 SHERIDAN, INDIANA (HAMILTON CO.)**



BANNING ENGINEERING
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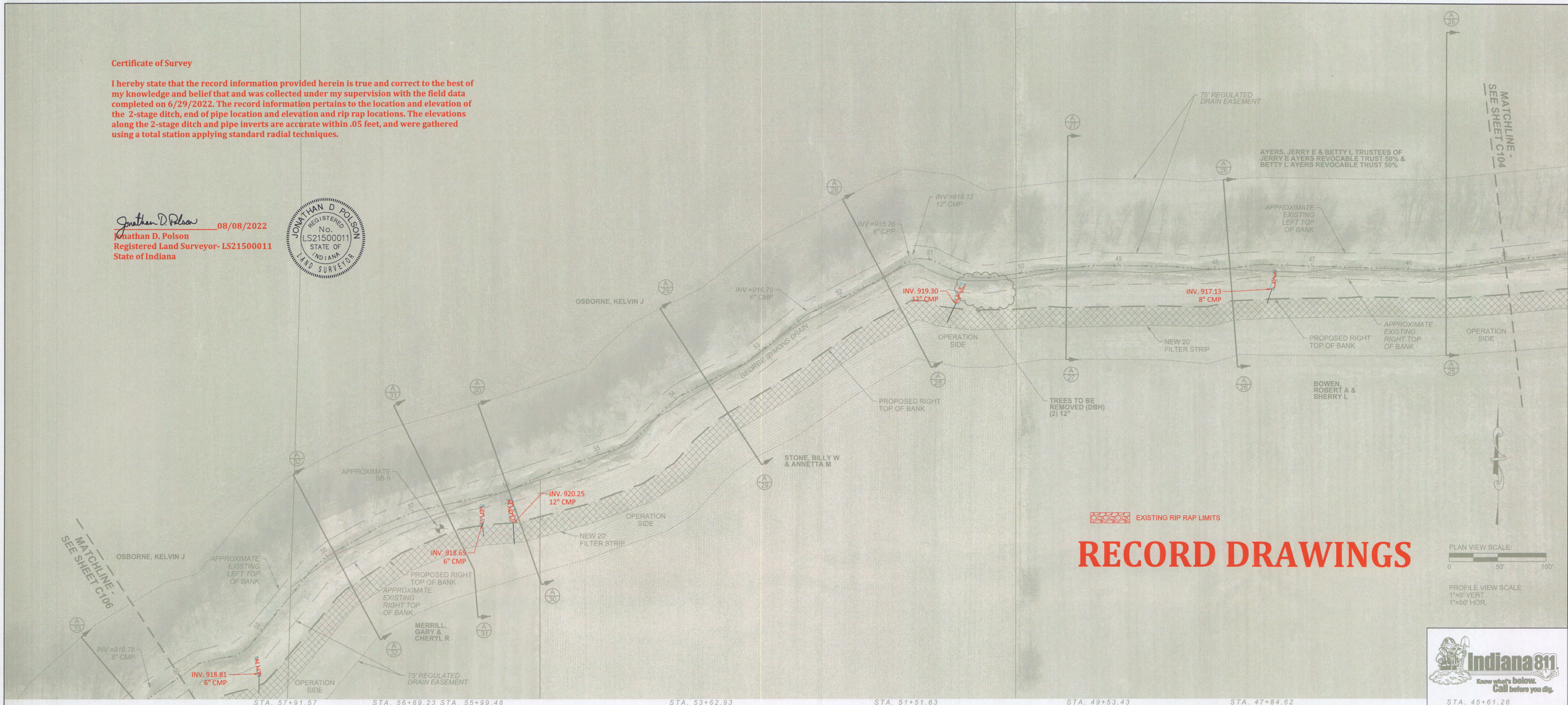
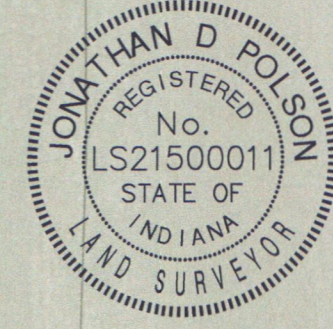
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 Sheet No:

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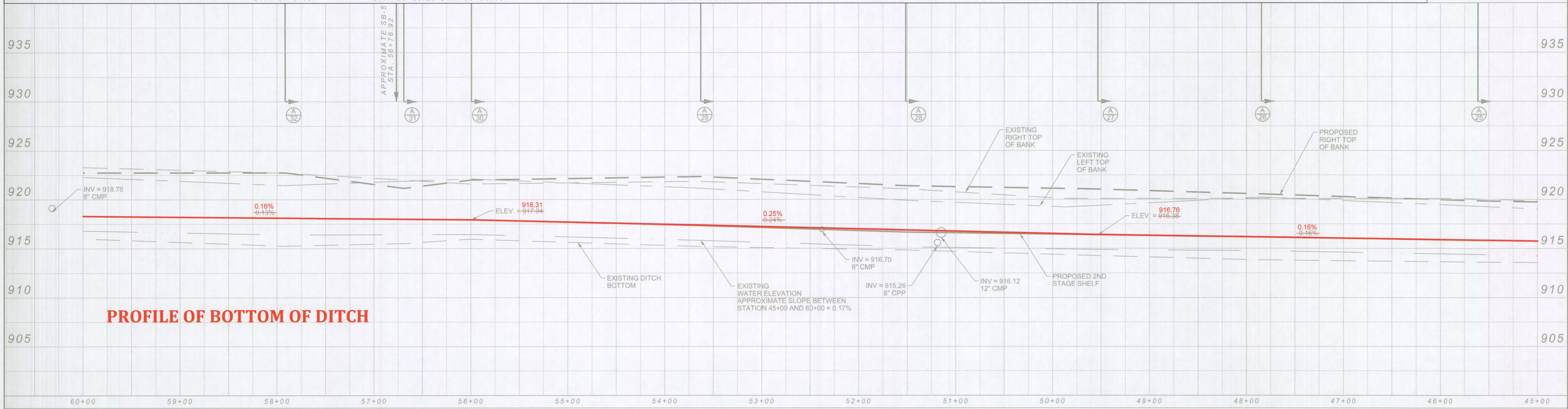
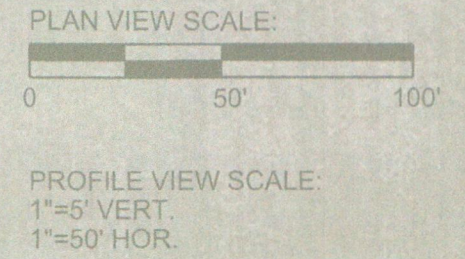
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 Registered Land Surveyor- LS21500011
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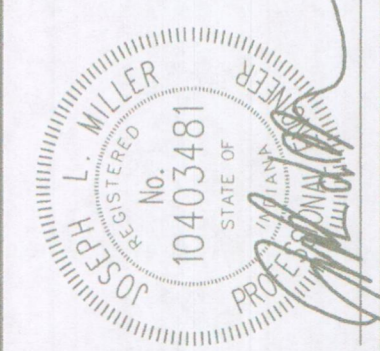


RECORD DRAWINGS



PLAN & PROFILE STRUCTURES

PLAN AND PROFILE STA 45+00 TO 60+00
 TWO STAGE DITCH RECONSTRUCTION
 ADAMS TOWNSHIP
 SHERIDAN, INDIANA (HAMILTON CO.)

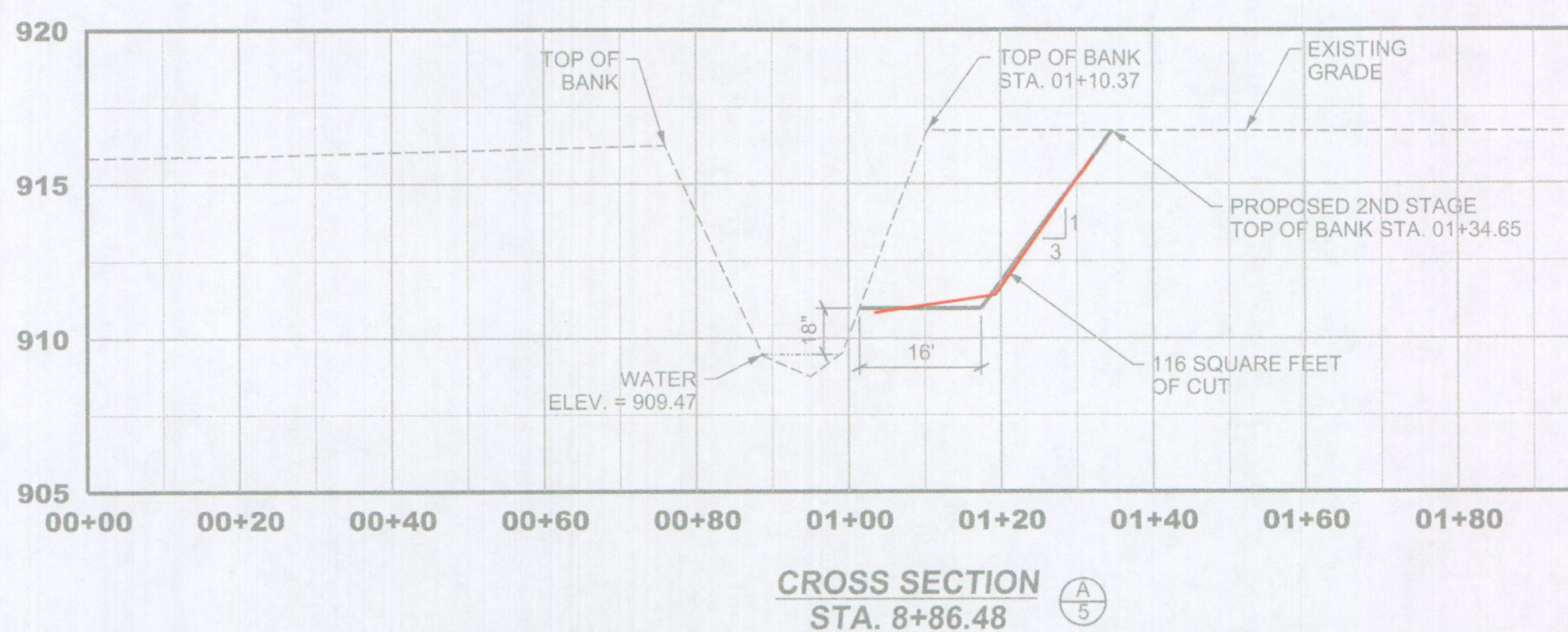
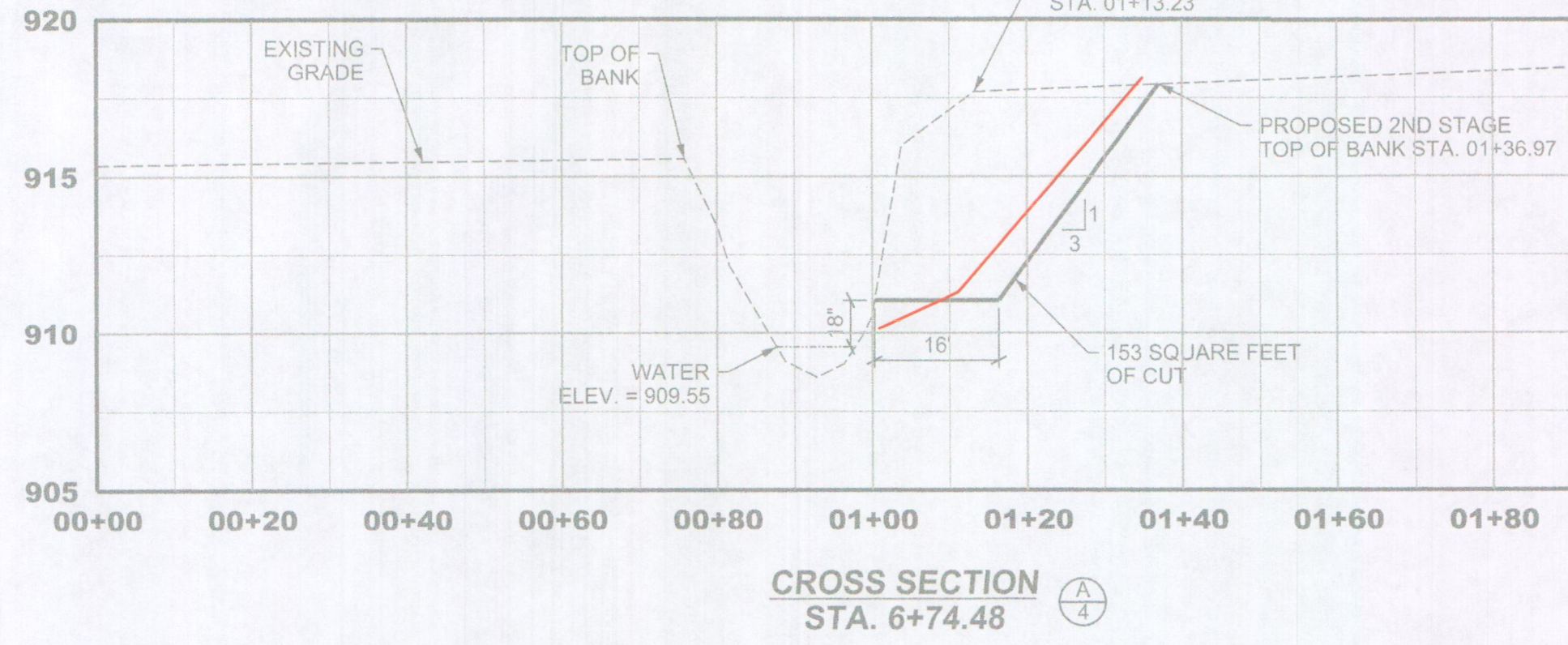
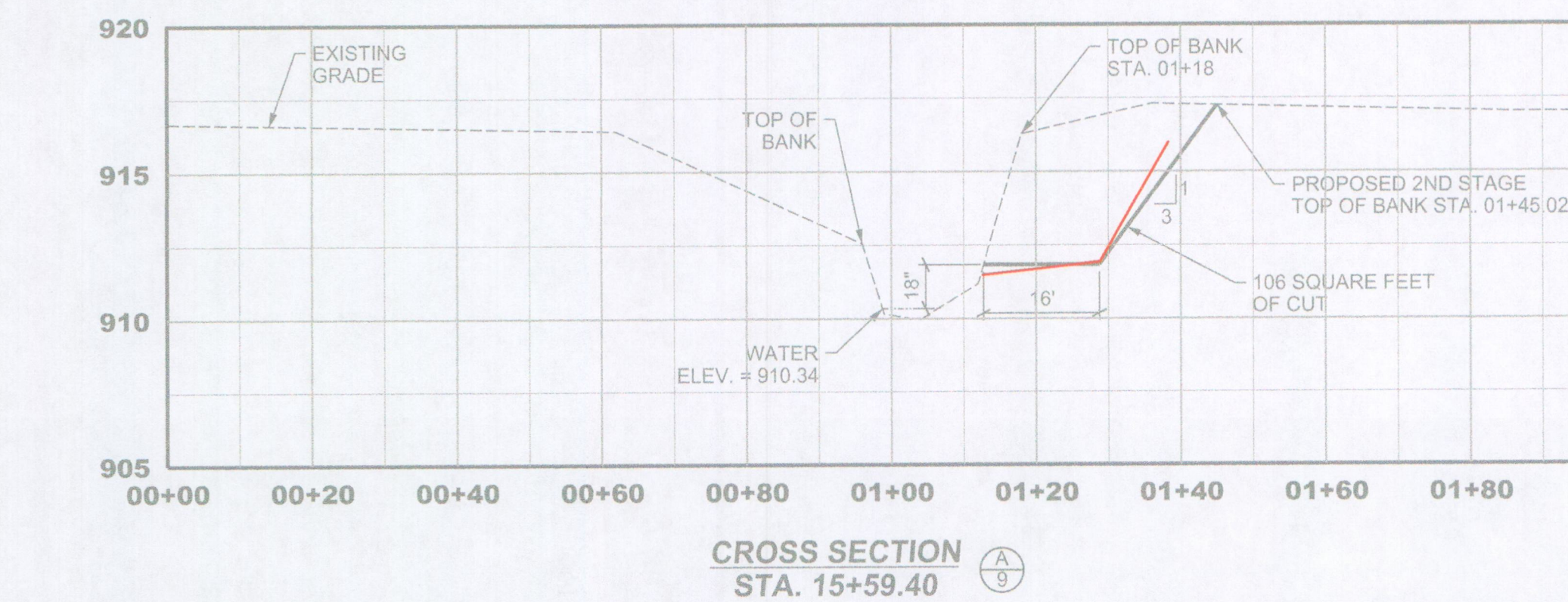
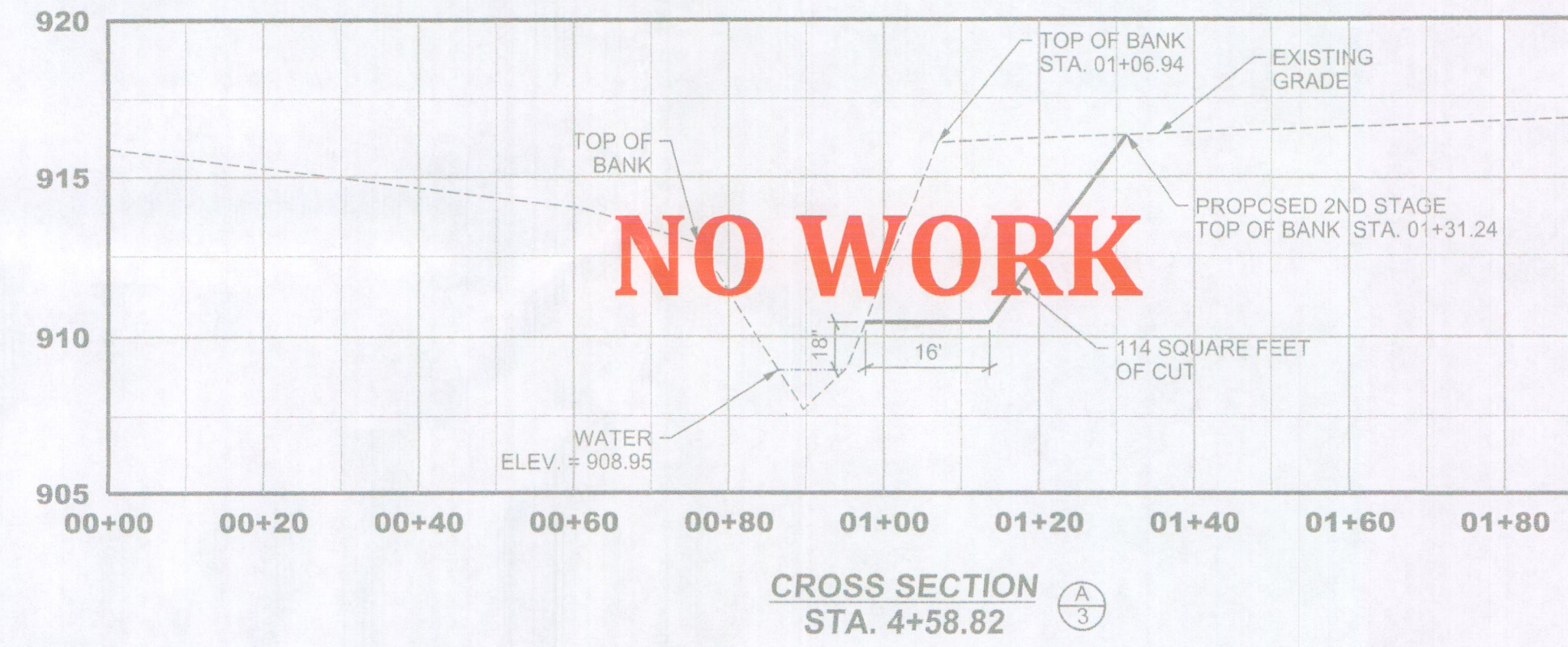
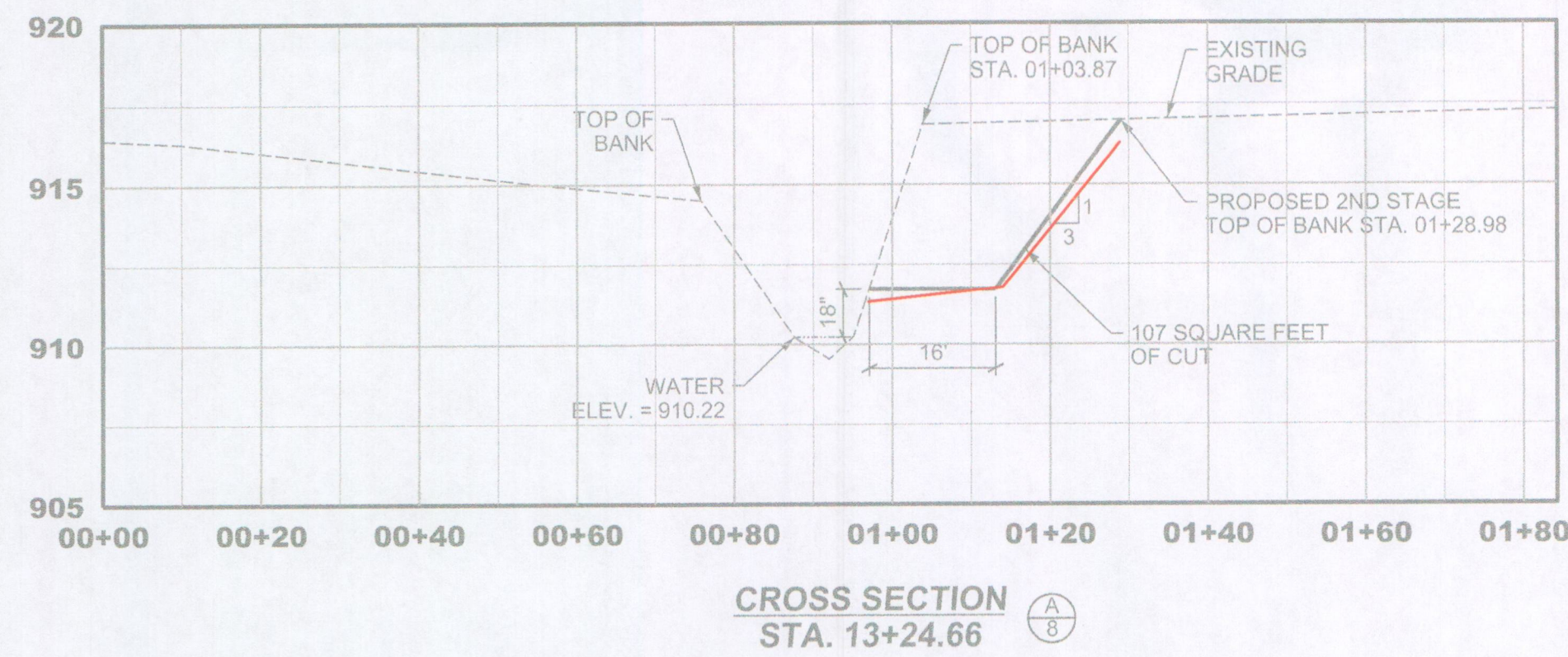
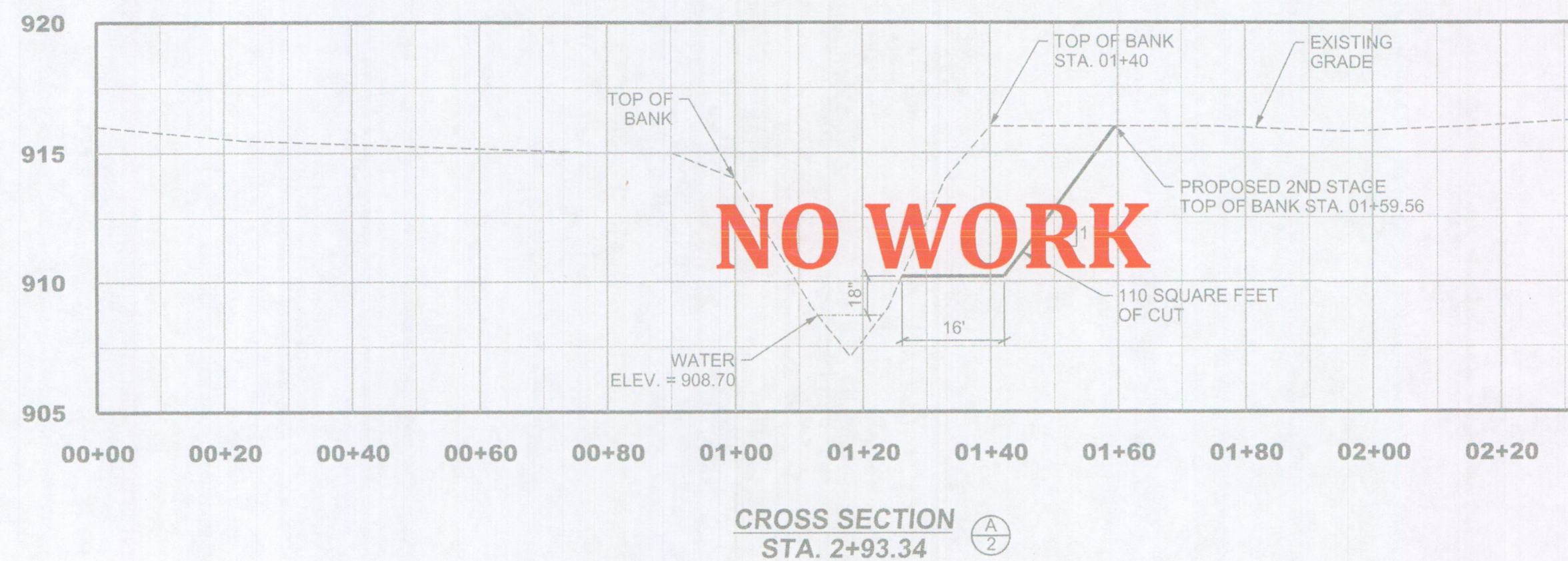
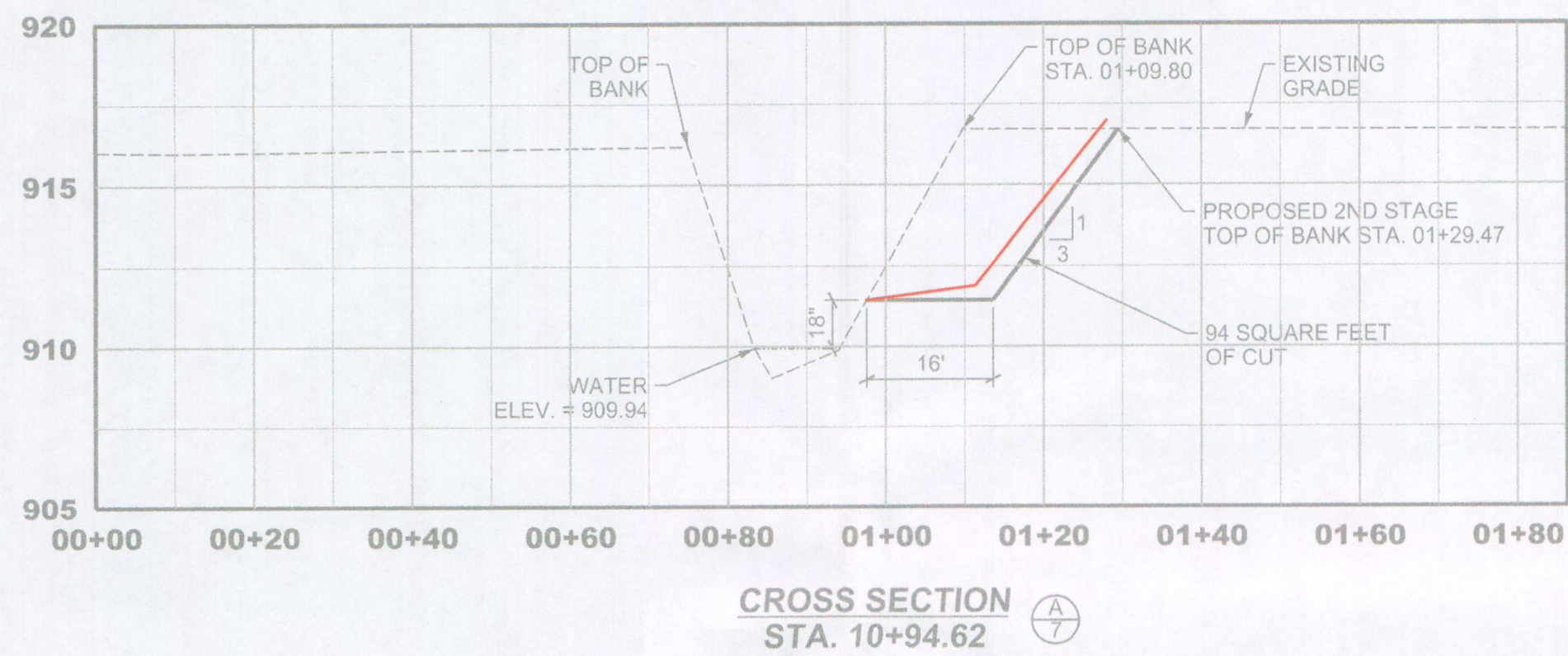
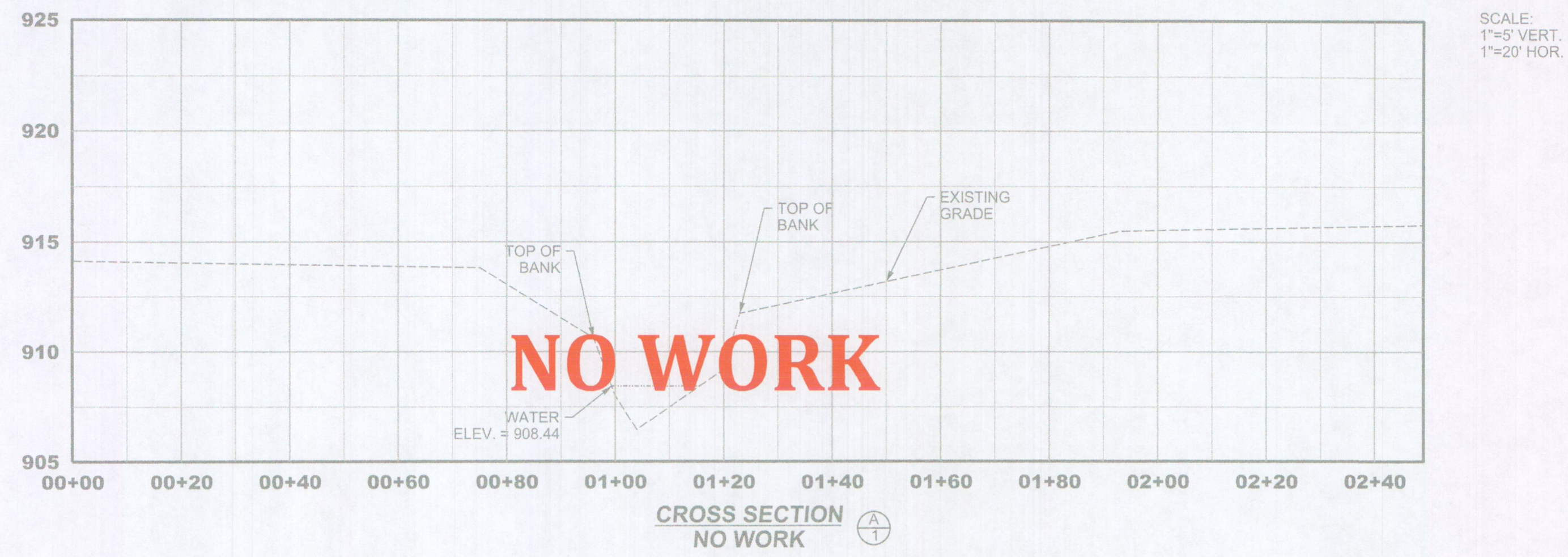
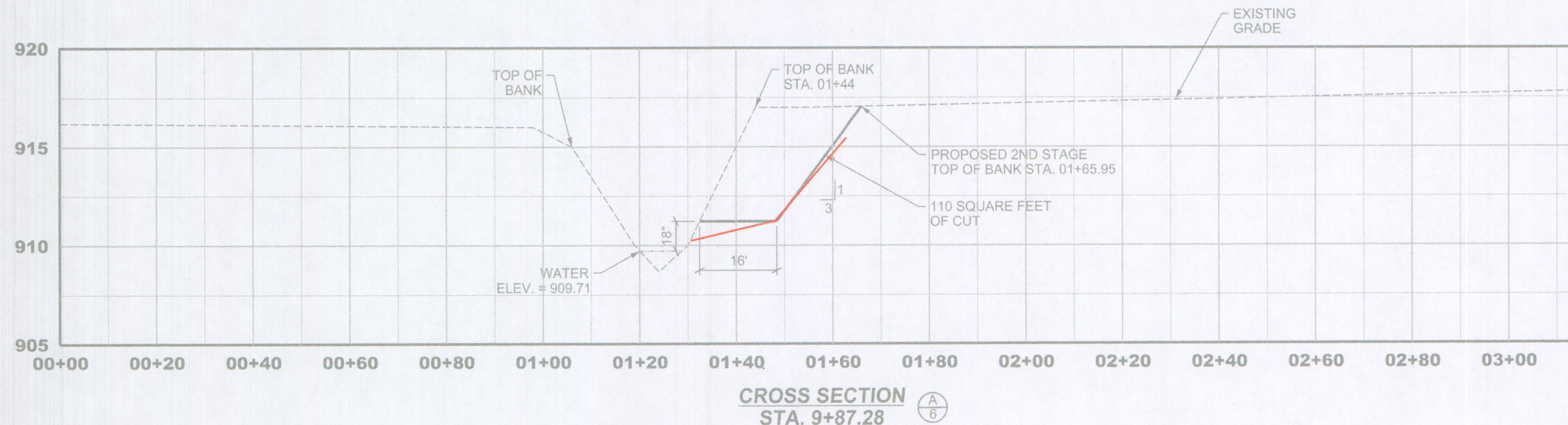


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Project No: 11194S
 Sheet No:

C105

08/01/2021
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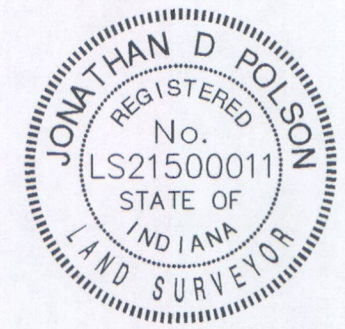


RECORD DRAWINGS

Certificate of Survey

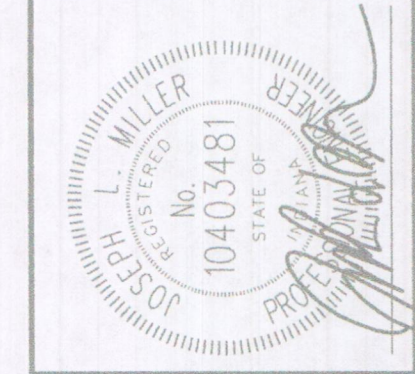
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Jonathan D. Polson 08/08/2022
Jonathan D. Polson
Registered Land Surveyor- LS21500011
State of Indiana



| Date | Revisions | Sym. | Drawn | Checked | Scale | Date |
|------|-----------|------|-------|---------|-------|------|
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CROSS SECTIONS
TWO STAGE DITCH RECONSTRUCTION
ADAMS TOWNSHIP
SHERIDAN, INDIANA (HAMILTON, CO.)

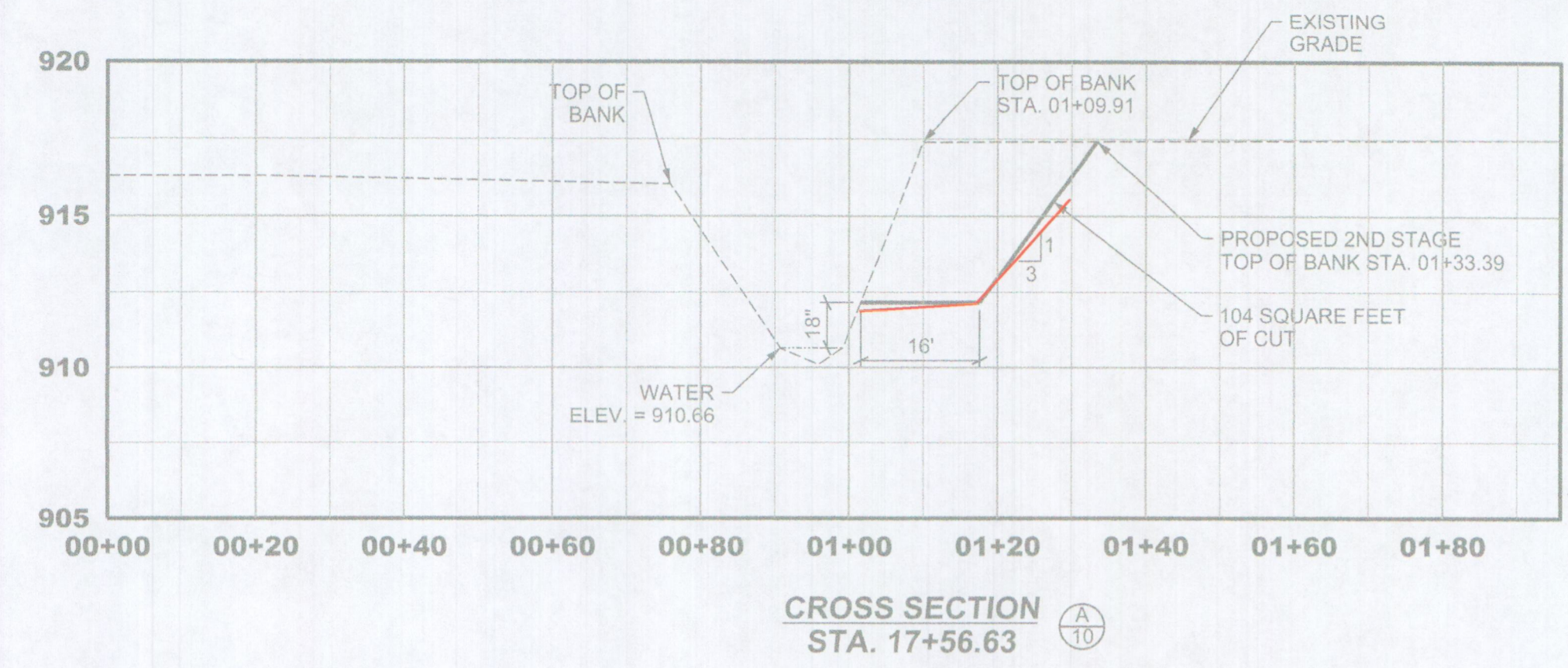
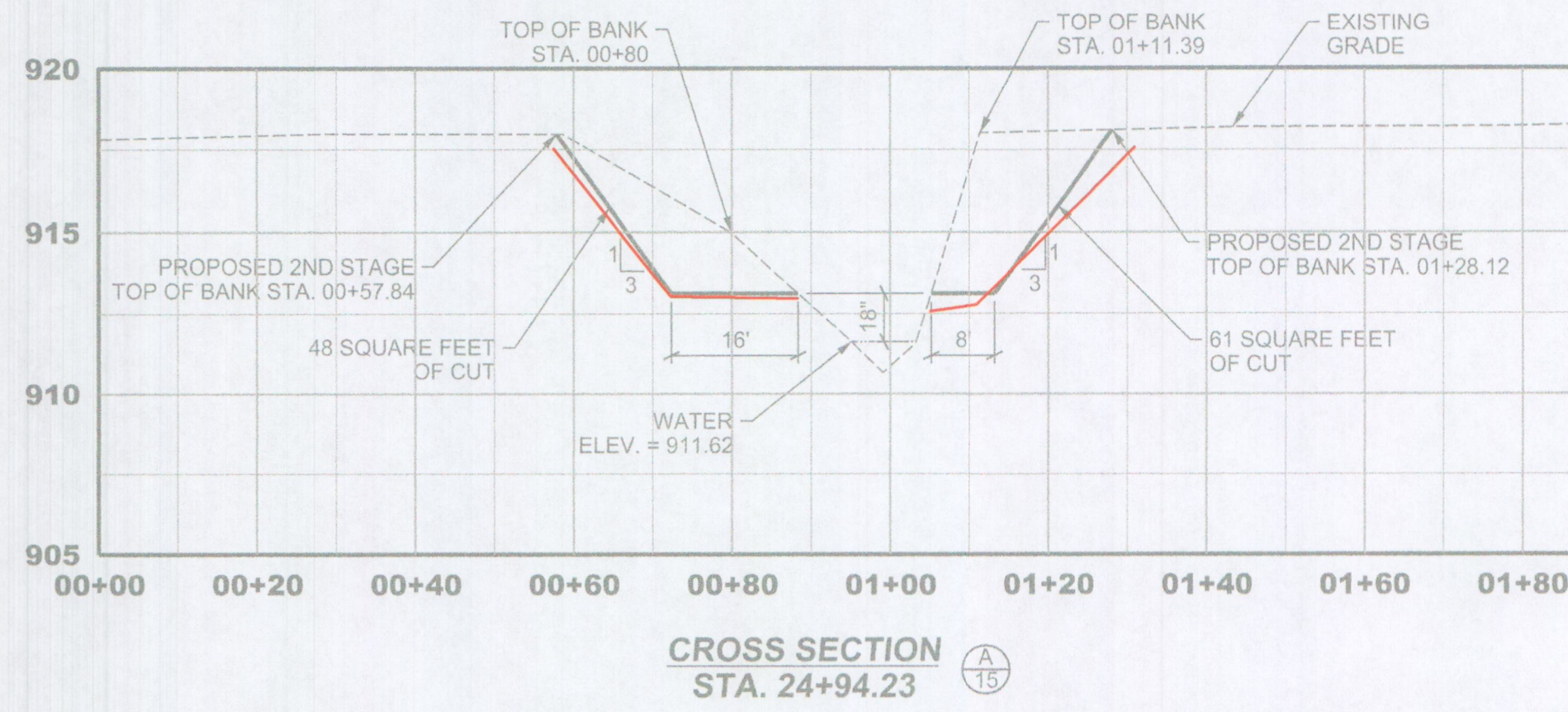


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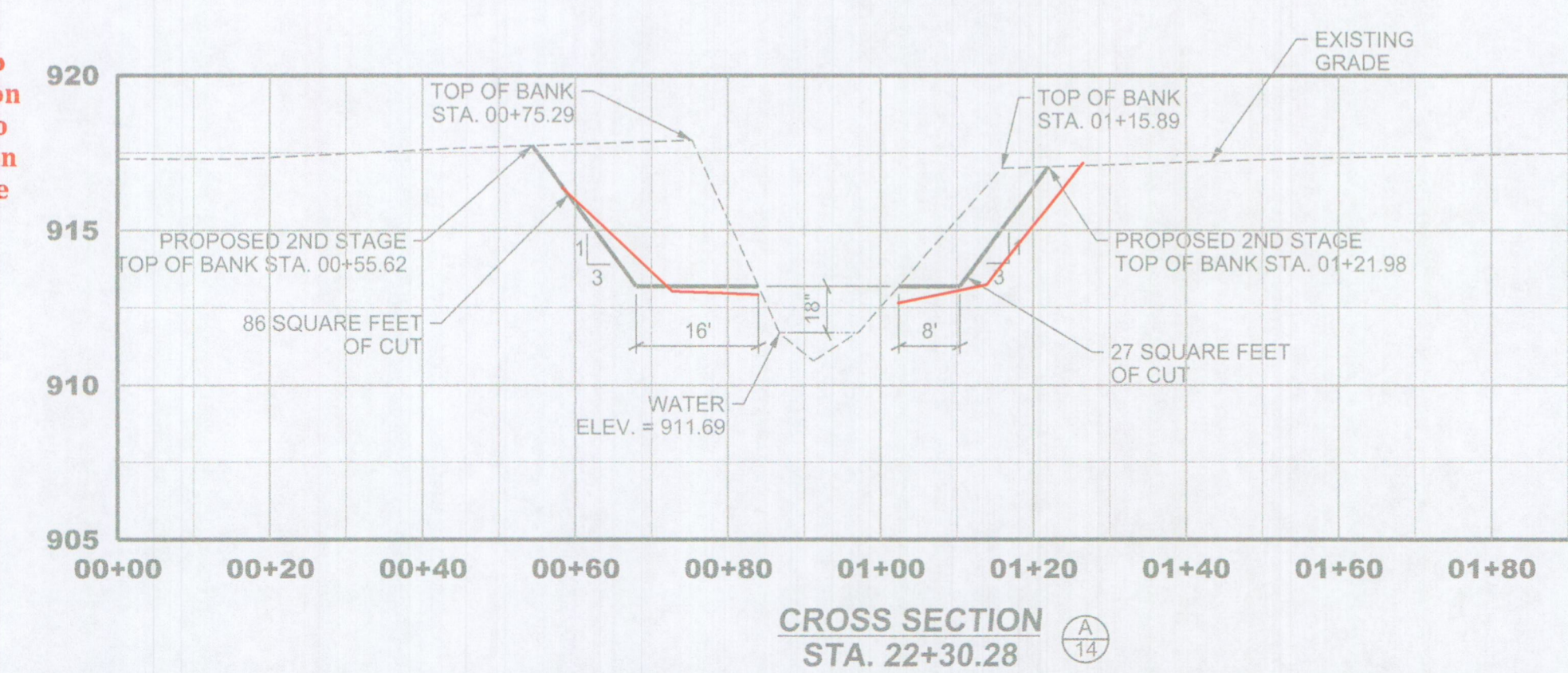
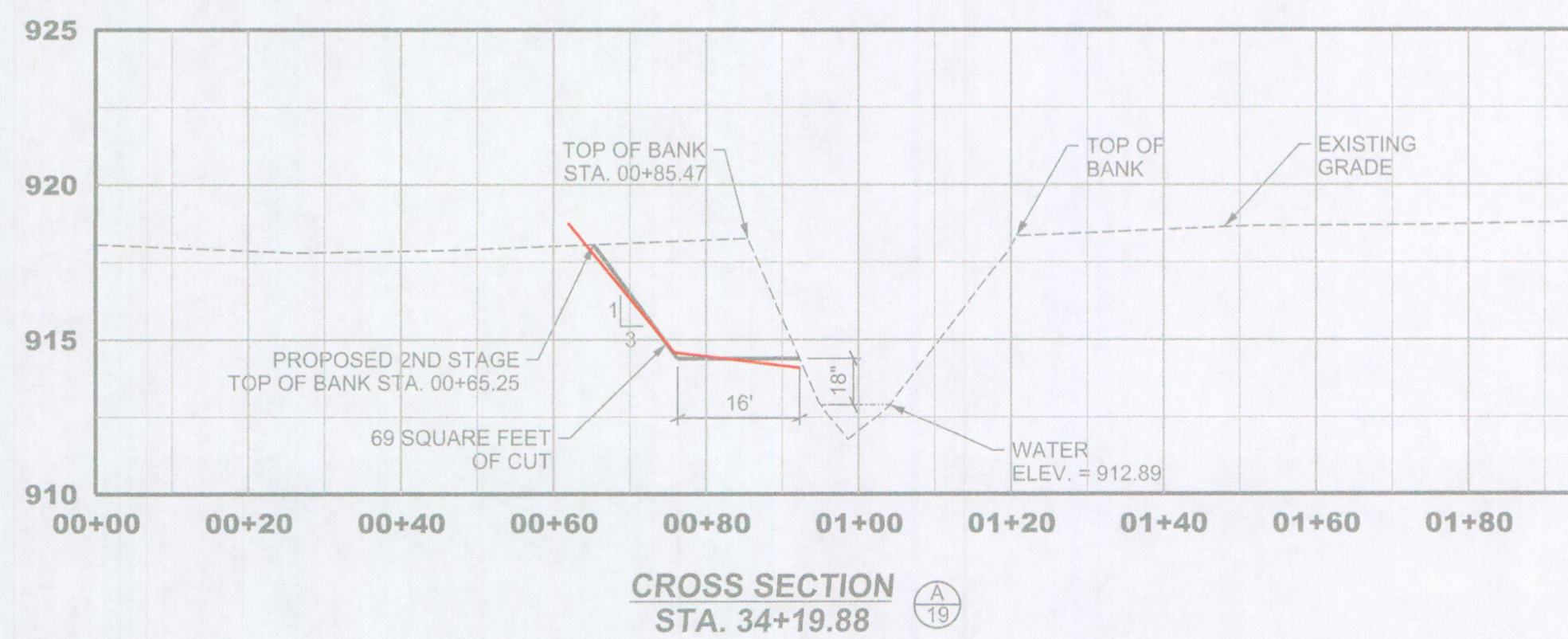
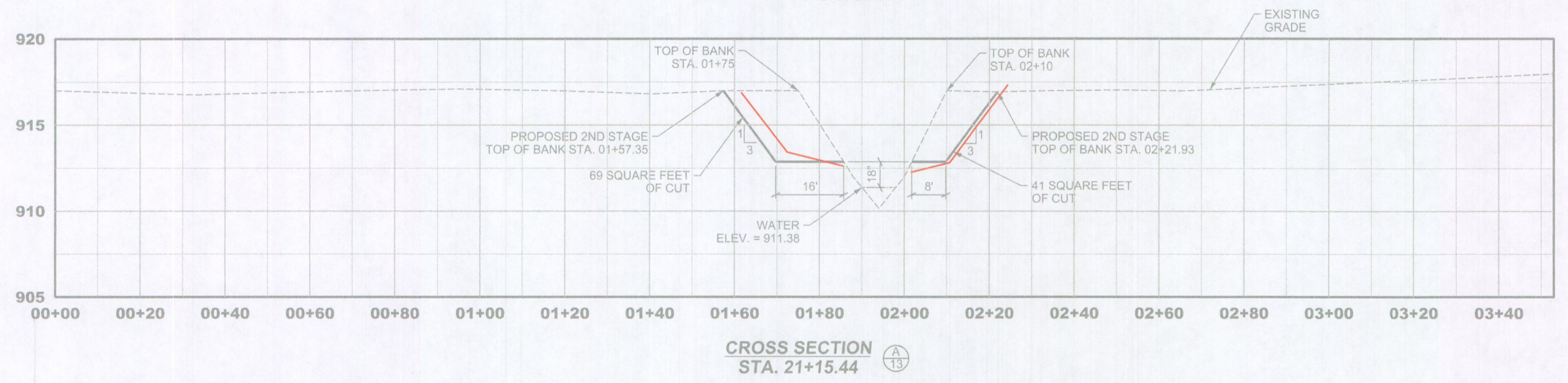
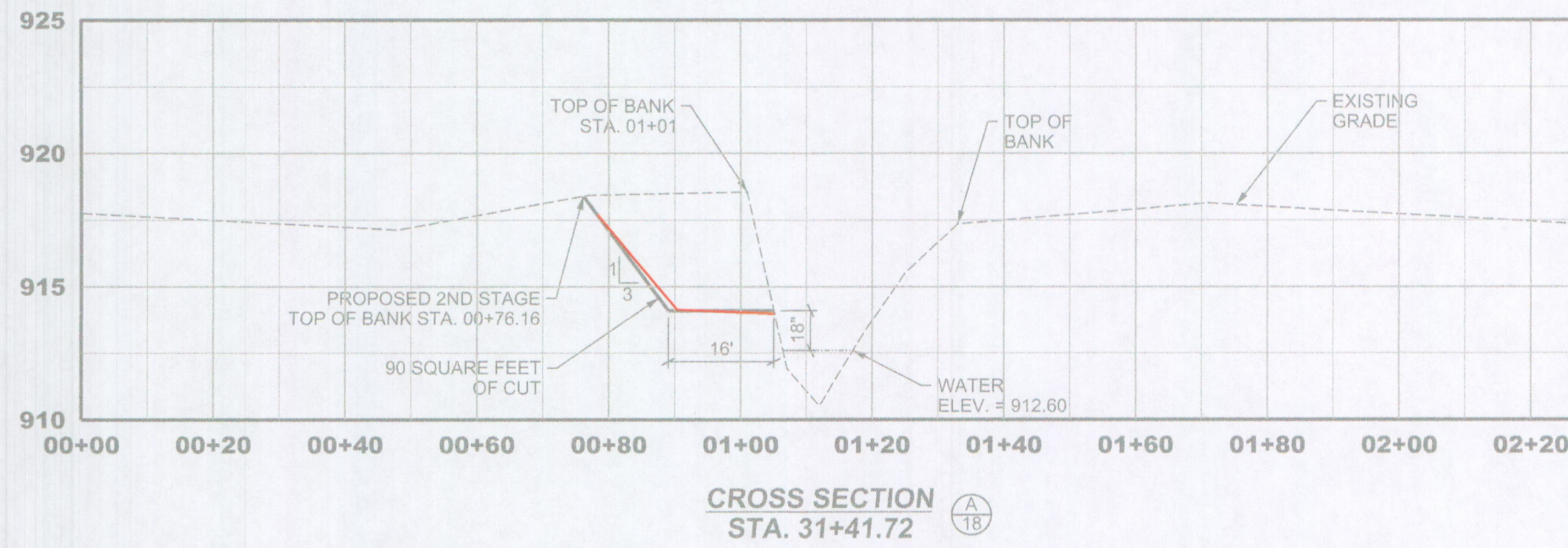
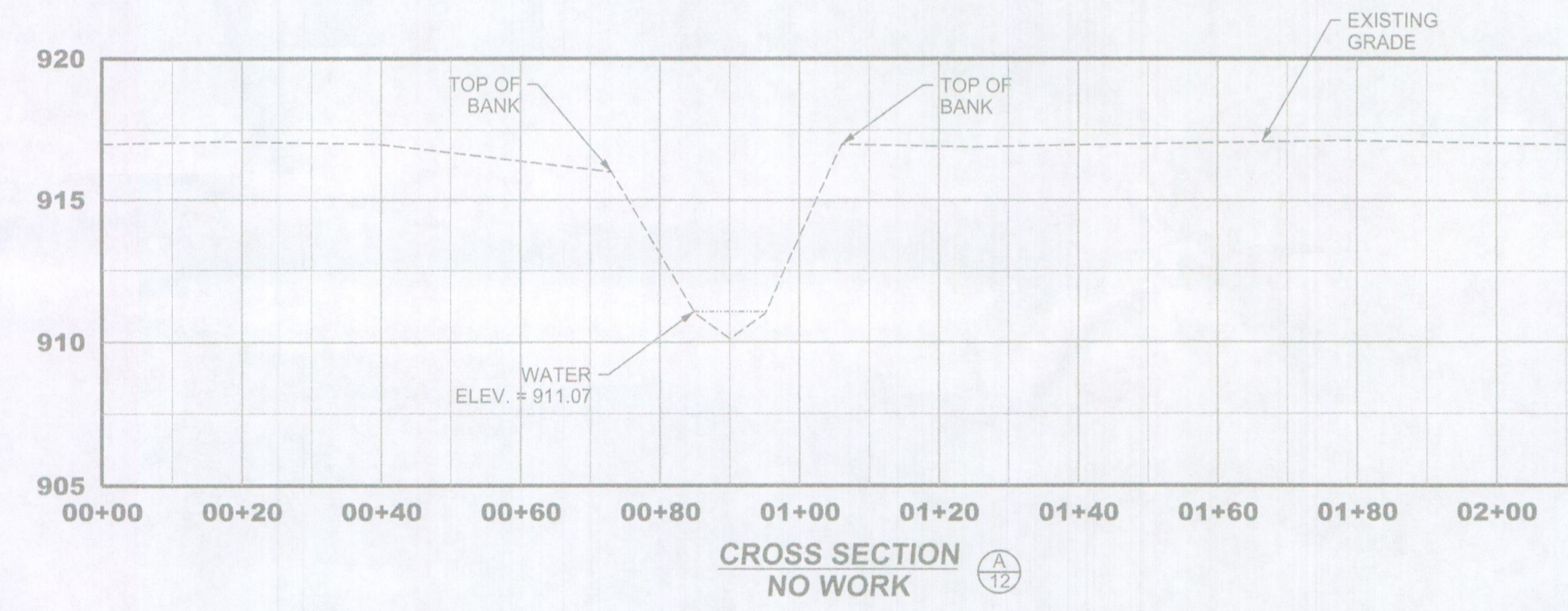
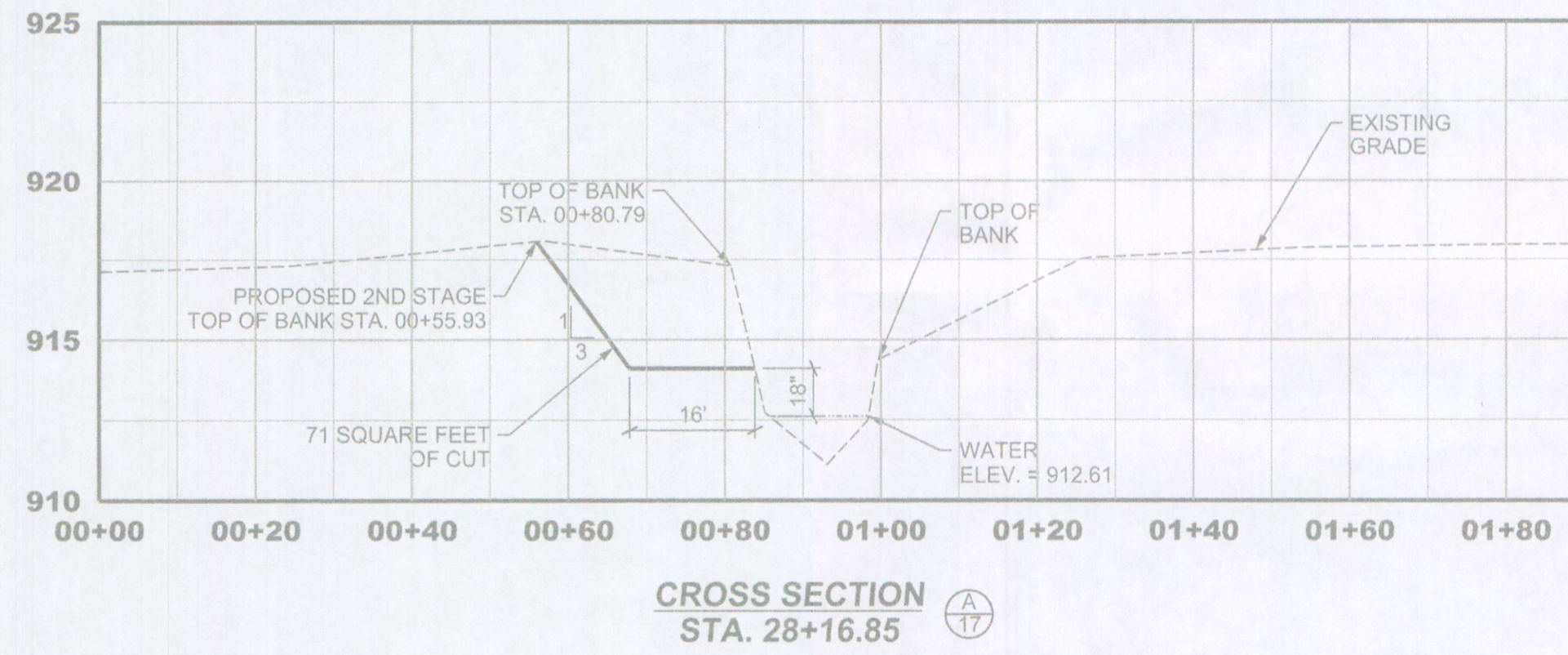
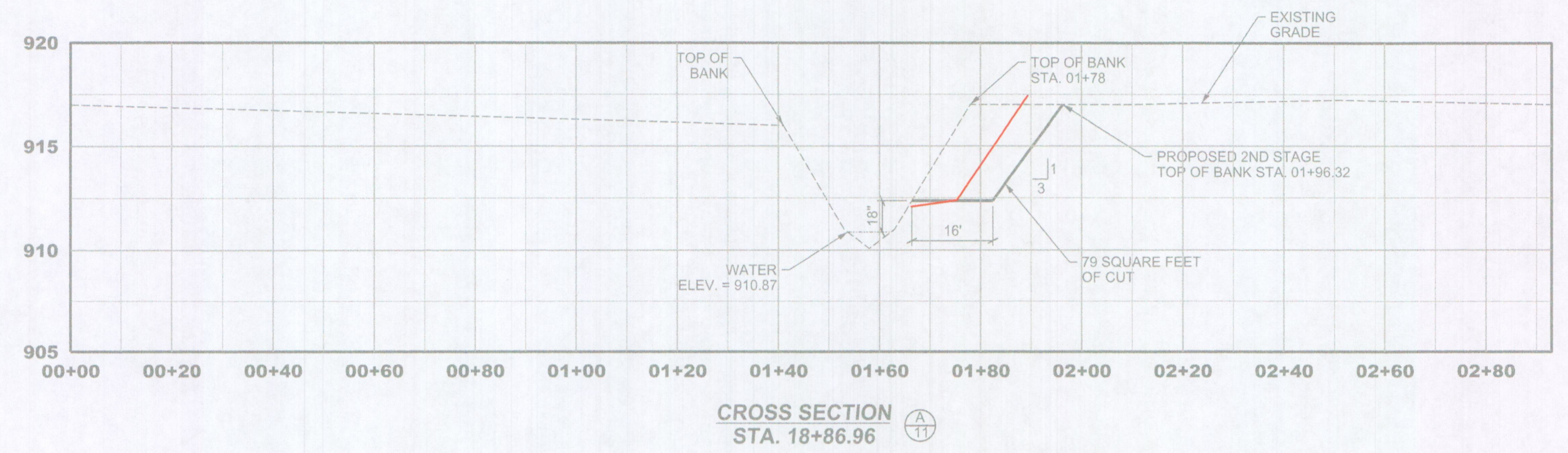
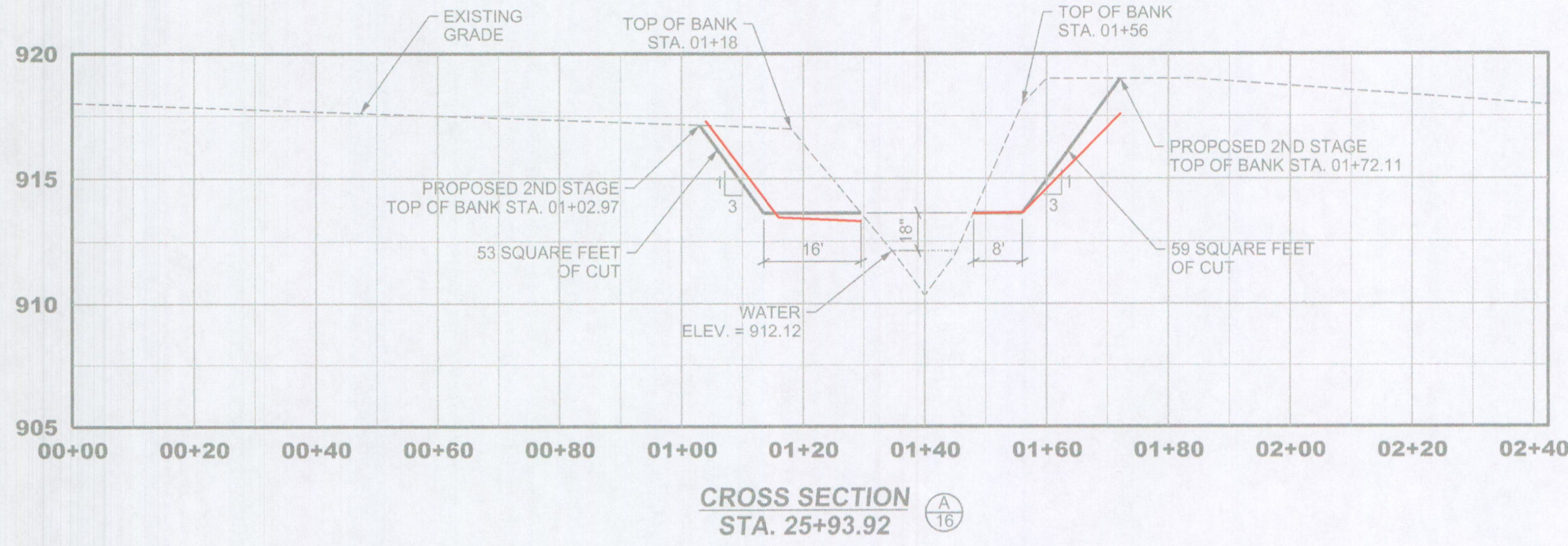
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RECORD DRAWINGS



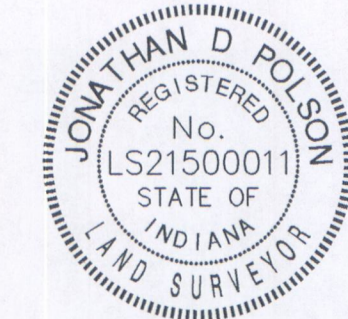
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Certificate of Survey

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Jonathan D. Polson 08/08/2022
Jonathan D. Polson
Registered Land Surveyor- LS21500011
State of Indiana



CROSS SECTIONS
TWO STAGE DITCH RECONSTRUCTION
ADAMS TOWNSHIP
SHERIDAN, INDIANA (HAMILTON, CO.)



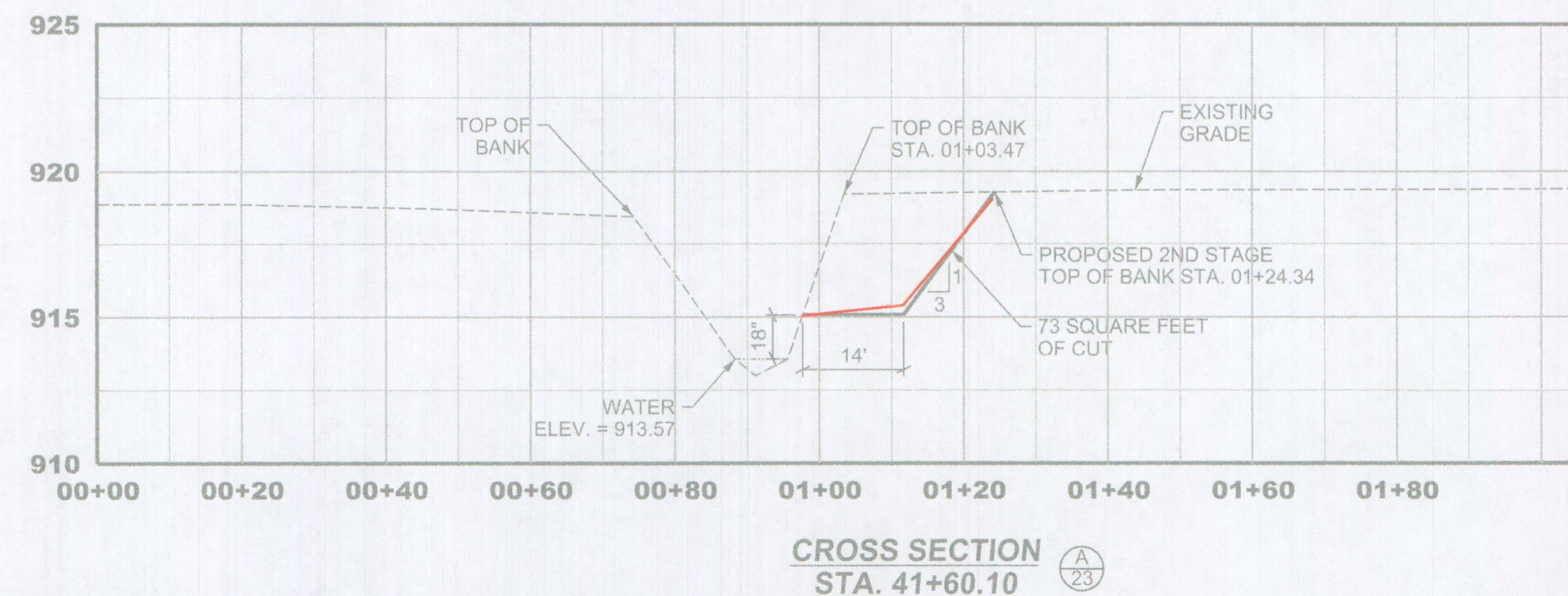
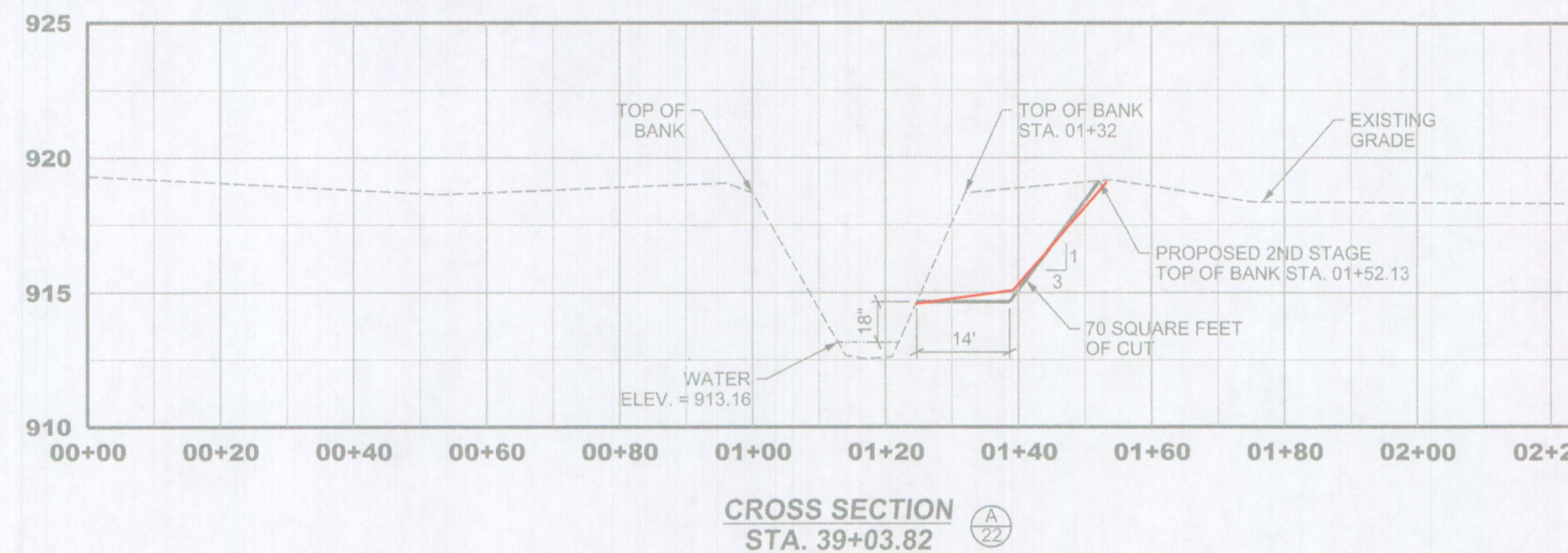
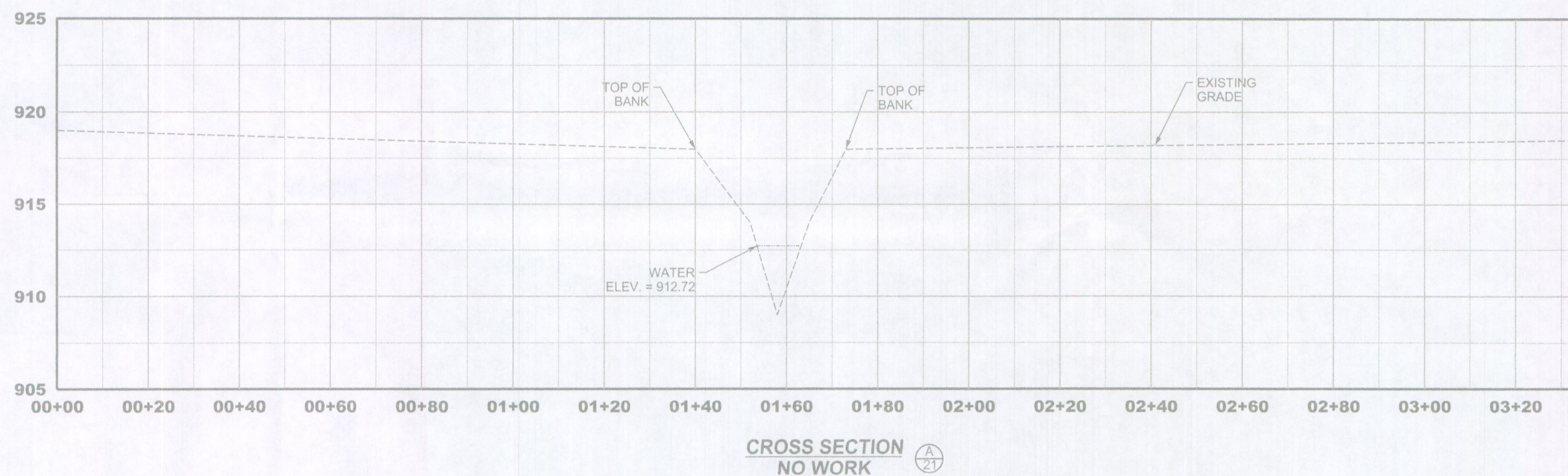
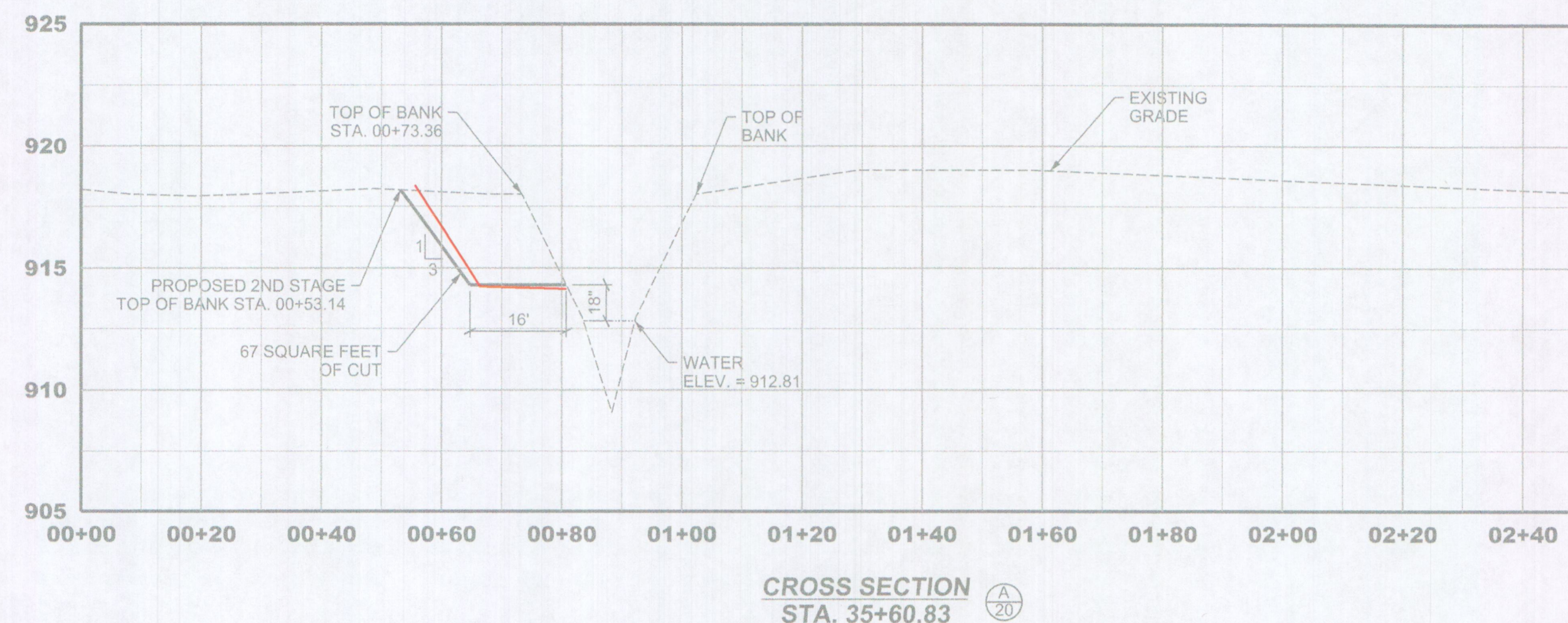
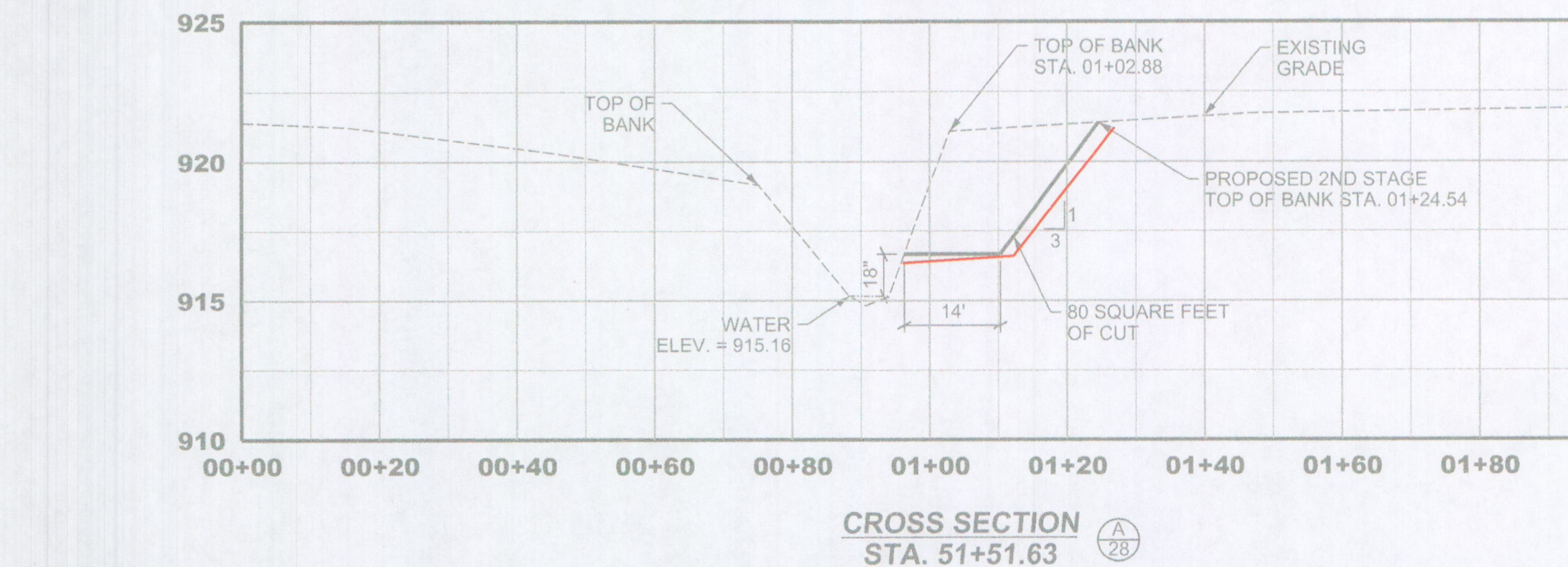
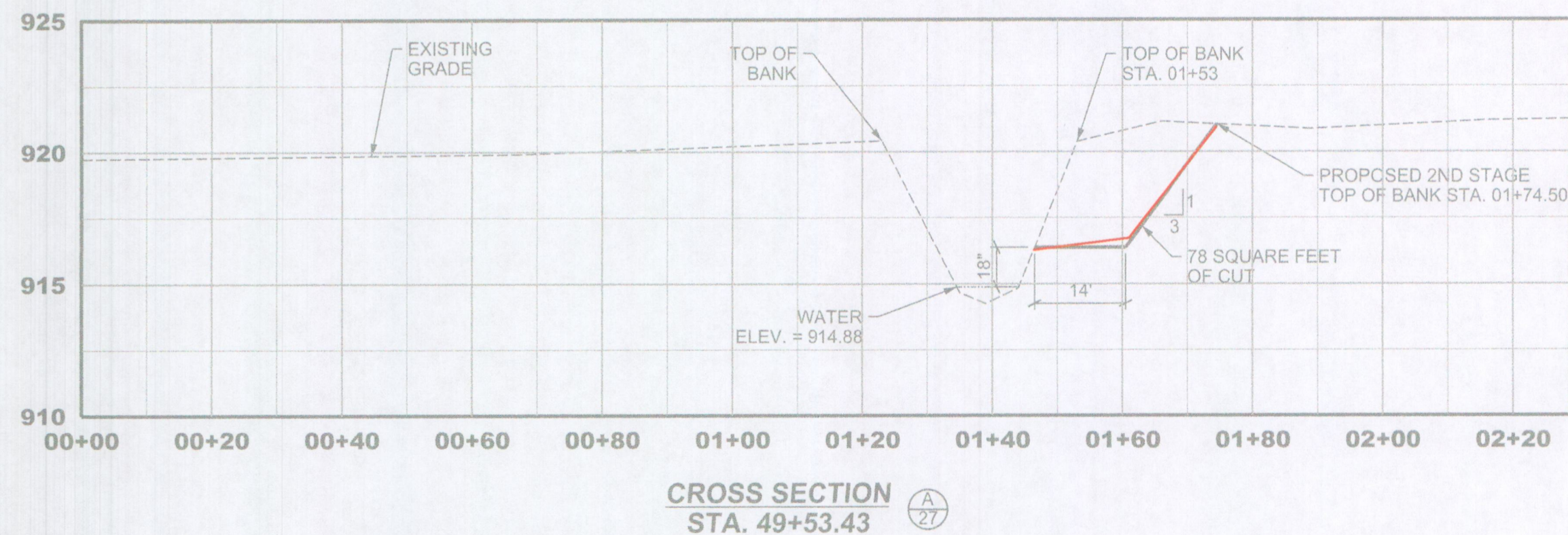
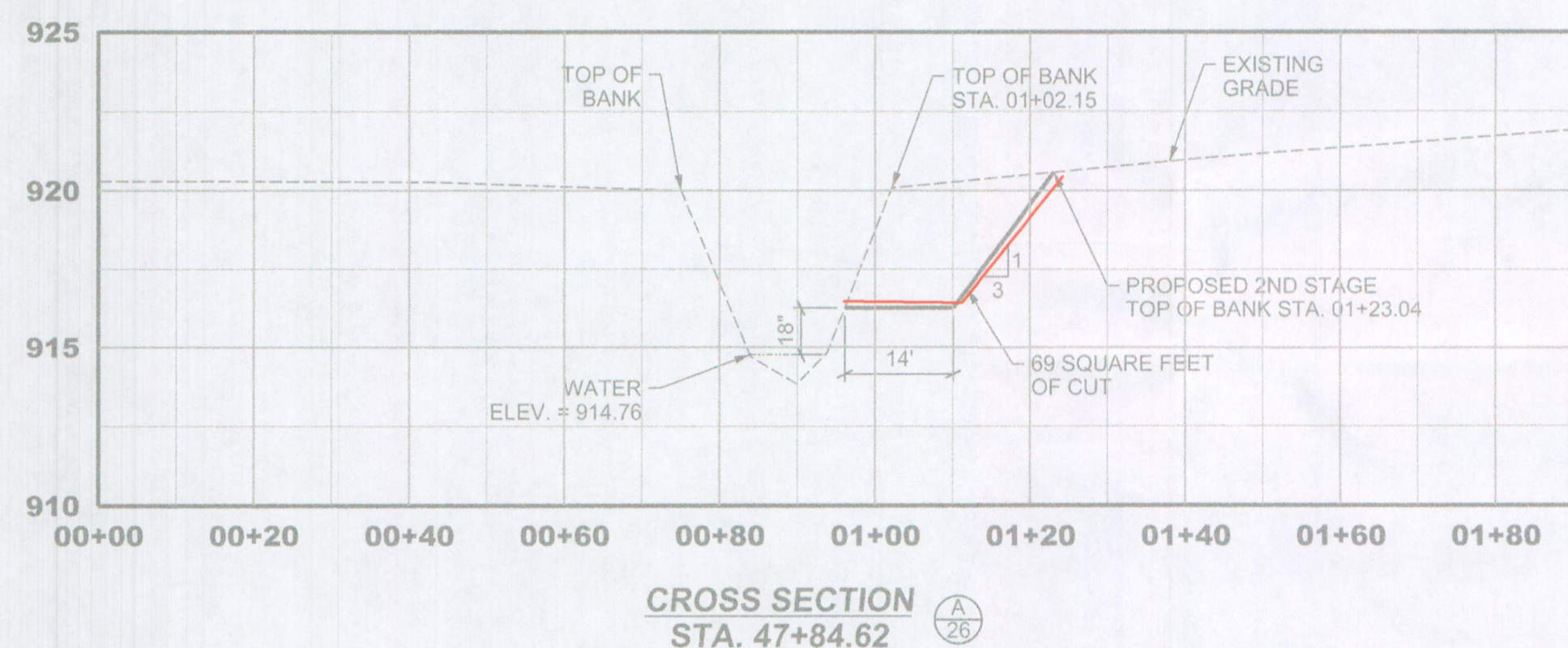
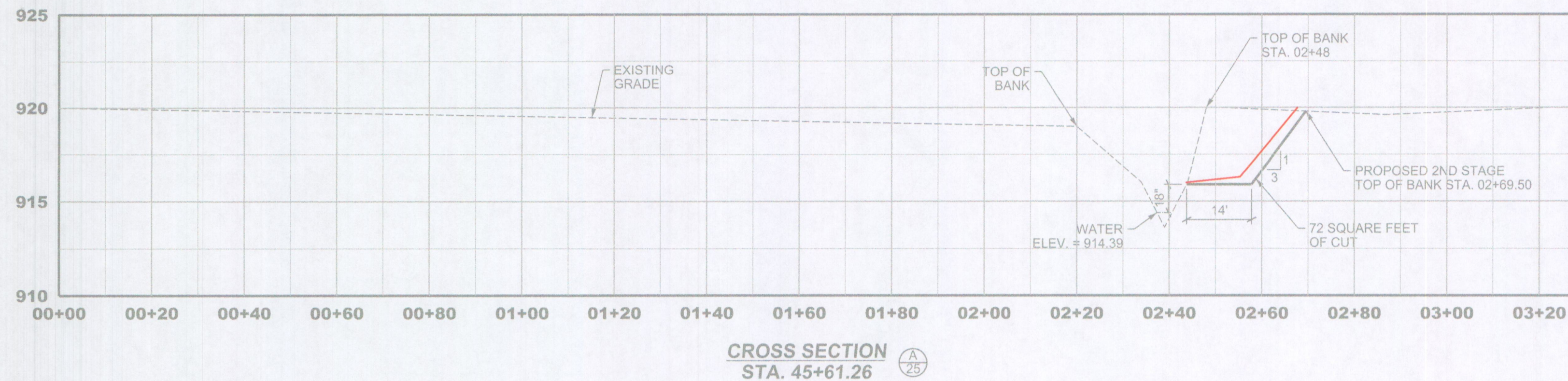
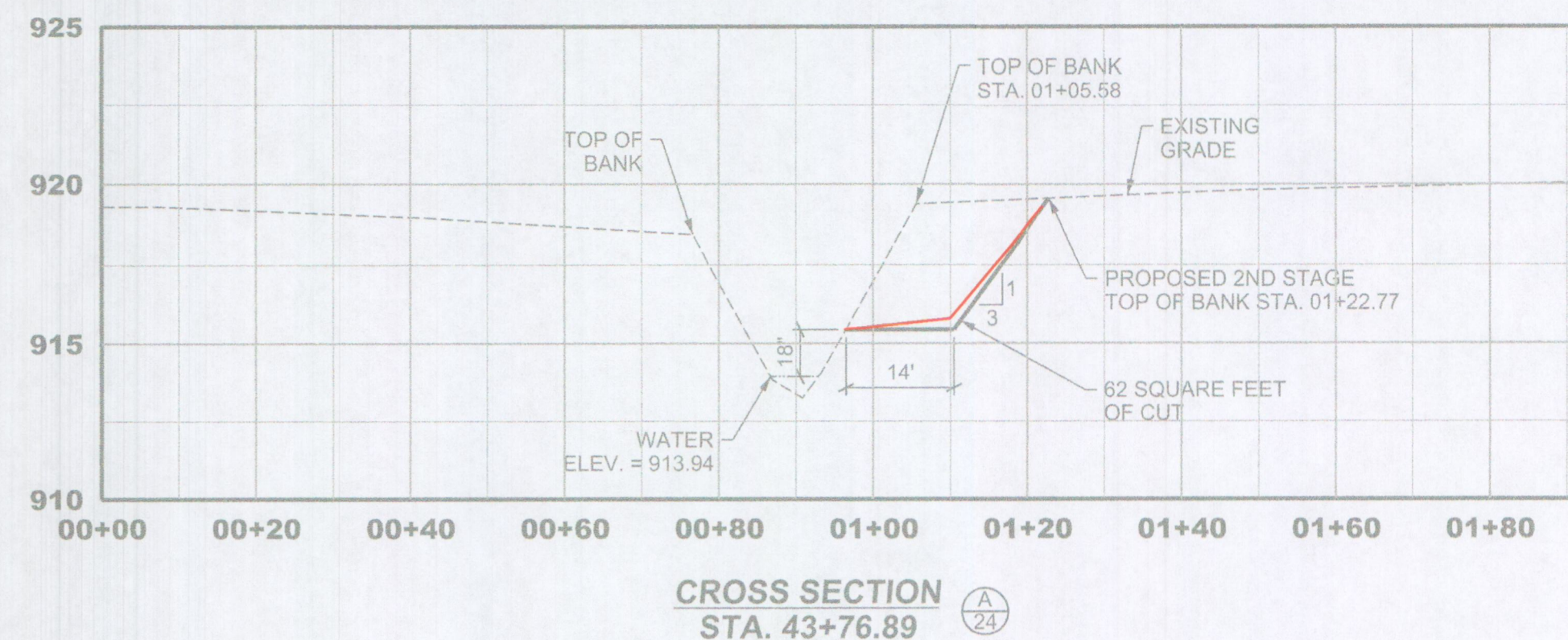
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Sheet No:

C501

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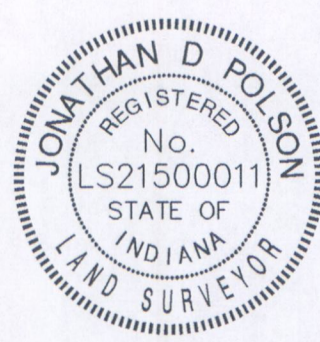
RECORD DRAWINGS



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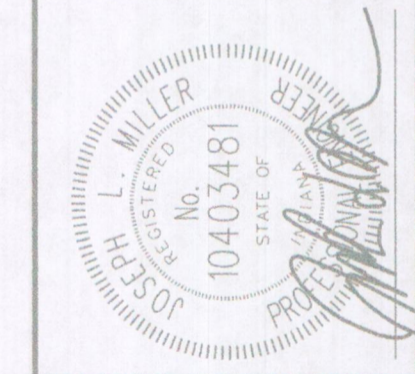
Jonathan D. Polson 08/08/2022
Jonathan D. Polson
Registered Land Surveyor- LS21500011
State of Indiana



SCALE:
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1"=20' HOR.

| Date | Revisions | Sym. | Drawn: | Checked: | Scale: | Date: |
|------|-----------|------|--------|----------|----------|-------|
| | | | TMF | | As Shown | |

CROSS SECTIONS
TWO STAGE DITCH RECONSTRUCTION
ADAMS TOWNSHIP
SHERIDAN, INDIANA (HAMILTON, CO.)



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Project No: 11194S
Sheet No:

C502

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