



Meeting Agenda

Work Session

Tuesday, May 28, 2024

5:00 PM

Board Room

CALL TO ORDER

CITIZEN COMMENTS

Comments on agenda items may be made in person at City Hall or by emailing recorder@franklinton.gov before noon on the day of the meeting. Comments will be submitted for the record.

WORK SESSION DISCUSSION ITEMS

1. Consideration Of Event Permit For Franklin On The Fourth Sponsored By The Franklin Lions Club In Downtown Franklin On July 4, 2024

Sponsors: Milissa Reiersen, Monique McCullough

2. Consideration Of Special Event Permit For Christmas Parade Sponsored By Downtown Franklin Rotary Club On December 7, 2024

Sponsors: Milissa Reiersen, Monique McCullough

3. Presentation Regarding Value Engineering Guidance On LEED Certification And Sub-Surface Parking For The New City Hall Project

Sponsors: Eric Stuckey, Chris Koeper

4. Consideration Of Resolution 2024-31, A Resolution Declaring That The City Will Adopt The Fifth Year Annual Action Plan For Community Development Block Grant Funding For The City Of Franklin, Tennessee

Sponsors: Tom Marsh, Kathleen Sauseda

5. Status Update And Discussion Of Progress On Development Of Bousquet Place AKA The Hill Property WS 4/23/24

Sponsors: Vernon Gerth, Tom Marsh, Kathleen Sauseda

6. Discussion On Fire Department Compensation Plan

Sponsors: Eric Stuckey, Glenn Johnson, Delaney McCann

7. *Consideration Of Ordinance 2024-19, An Ordinance Of The City Of Franklin, Tennessee To Amend Appendix A - Comprehensive Fees And Penalties, Chapter 17 Refuse And Trash Disposal, Of The Franklin Municipal Code To Increase The Fees For Collection Of Garbage And Refuse. Establishing A Public Hearing On June 11, 2024

Finance 5/9/24, 3-0

WS 5/14/24

Sponsors: Mark Hilty, Jack Tucker, Michael Walters Young

8. Consideration Of Resolution 2024-39, A Resolution To Adopt A Five-Year Rate Plan And Cost Of Service Study For The Sanitation And Environmental Services Fund, Fiscal Year 2025 Through Fiscal Year 2029

WS 5/14/24

Sponsors: Mark Hilty, Jack Tucker, Nate Ridley, Chris Franklin

9. *Consideration Of Resolution 2024-18, A Resolution Declaring Certain Sections Of Jordan Road Right-Of-Way As Surplus Real Property And Establishing Conditions For Disposal Of That Right-Of-Way
CIC 4/25/24, 3-0

Sponsors: Paul Holzen

10. *Consideration Of Change Order 1 To COF Contract No. 2023-0024, With Bell & Associates Construction, LLC, For Bundled Bridges Construction & Rehabilitation For A Time Extension Of 66 Calendar Days And A Cost Increase Of \$51,792.18 To Cover Cost Of Repairing A Void Under The Approach Slab On Bakers Bridge Avenue

Sponsors: Paul Holzen, Jonathan Marston, David Hodnett

11. Consideration Of Amendment 1 To COF Contract No. 2019-0097, With The Tennessee Department Of Transportation For The SR-96 (Murfreesboro Road) Traffic Signal Improvement Project

Sponsors: Paul Holzen, Adam Moser

12. Presentation On And Discussion About The Draft Right-Of-Way Plans For The "Liberty Pike & North Royal Oaks Boulevard/Mallory Lane Intersection Improvements" Project (COF Project No. 2017-005)

Sponsors: Paul Holzen, Jonathan Marston, David Hodnett, William Banks

13. Discussion Of Board Of Mayor And Aldermen Pay
WS 2/13/24

Sponsors: Alderman Beverly Burger

OTHER BUSINESS

ADJOURN

Anyone needing accommodations due to disabilities please contact the ADA Coordinator at 615-791-3277 at least 24 hours prior to the meeting.



File #: 21-0200

DATE: May 13, 2024
TO: Board of Mayor and Aldermen
FROM: Eric Stuckey, City Administrator
Milissa Reiersen, Communications Manager
Monique McCullough, Public Outreach Specialist

SUBJECT:

Consideration Of Event Permit For Franklin On The Fourth Sponsored By The Franklin Lions Club In Downtown Franklin On July 4, 2024

PURPOSE:

The purpose of this memorandum is to outline recommendations for the Franklin on the Fourth event sponsored by the Franklin Lions Club in Downtown Franklin on July 4, 2024.

BACKGROUND/STAFF COMMENTS:

The Franklin Lions Club has requested a special event permit for the annual Franklin on the Fourth Celebration. The event, with an expected attendance of 3,000, is scheduled from 10 a.m. until 6 p.m.

Set-up for the event will begin at 6 a.m. on July 4th. Street closures are Main Street from 2nd Ave to 4th Ave; 3rd Ave N from the Square to Bridge Street; and 3rd Ave S from the Square to Church Street.

FINANCIAL IMPACT:

The City partners with the Lions Club on this event in providing for overtime costs for City staff, including Police.

RECOMMENDATION:

The City's Special Event Advisory Team and City Administrator recommend approval of this event with the following conditions:

- Applicant shall meet with staff for walk through at least five days prior to event.
- Applicant will provide detailed map/layout to City detailing location of tents, vendors, etc. prior to event.

Building & Neighborhood Services:

- Special Event Electrical Permit will be required.

Risk Management:

- Applicant will provide certificate of insurance naming the City as additional insured.
- Any accidents or injuries occurring during the event should be reported to City representatives immediately.

Streets Department:

- Department will set-up closure and provide barricades
- Applicant or designee will stay present at event until all vendors are gone.
- Department will provide clean-up crew for after the event.

Police Department:

- The Department will provide on-duty Police Officers to provide security during the festival.
- Applicant has requested amplification on stages in the permitted area.

Pursuant to Franklin Municipal Code Section 11-403(3), these are the only locations at which amplified sound will be permitted during this event.

Revenue Management:

- Applicant will provide a complete list of vendors to the City prior to the event.

Sanitation and Environmental Services Department:

- Department will provide crews for cleanup during event.

Water Management Department:

- Taps will be placed on hydrants at:
 - Third Ave S at City Hall
 - Third Ave N at the Square

Fire Department:

- Applicant must secure tent permits.
- Applicant must adhere to requirements provided by the Fire Marshal's office regarding tents, stages, and mobile food vendors

- After stage setup is complete, the stage manager / crew chief shall be prepared to meet with Franklin fire and building inspectors to assure the stage has been properly setup and all safety measures are in place.

OFFICE USE ONLY

Permit No:



City of Franklin Special Event Permit Application

*Application is Due 90 Days Prior to Scheduled Event.
Please read application carefully and fully complete each section.
A non-refundable application fee of \$100 is due at time of filing.*

Note: Filing this application does not guarantee that you request will be granted.

Please list all that apply:

- Festival/Fair

1. **Name/purpose of event:** Franklin on the Fourth, 4th of July Festival
2. **Location Requested:** (if Temporary Street Closure, list major roads to be closed):
West Main at 4th Avenue

3rd Avenue North at Bridge Street

East Main at 2nd Avenue

3rd Avenue South at Church Street
3. **Date or dates of event:** 07/04/2024
4. **Start/End Times of Event:**
Event Start: 10:00 a.m.

Event End: 6:00 p.m.

What date/time will set-up begin? 7/4/2024 6:00 AM

What date/time will tear-down be complete? 7/4/2024 9:00 PM

**Note: Event is responsible for cost of staff required during this time (including Franklin Police Officers). Read Additional Requirements section for more information).*

5. **Time of Street Closure** (if applicable):
Midnight 07/03/2024
6. **An estimated number expected to attend during the course of the event:**
Spectators/Attendees: 3,000 Event Staff/Volunteers: 50 Total: 3,050
7. **Name of applicant and Organization Requesting Permit:** Applicant / Organization Requesting Permit
Scott Ducaj
Franklin Lions Club
1725 John Sharp Road
Spring Hill, TN 37174
P: 615-479-7751
F: 931-486-0136
tnbugle@aol.com

8. **DETAILED description of the event** (include information regarding the appropriateness of the event for all ages. If available, include the names and descriptions of acts/performers) :
- Event begins at 10 a.m. Craft and food vendors open. Recorded music from the stage.
- Crafts on the square. Inflatable games and Cornhole in the Mellow Mushroom quadrant.
- Food booths and trucks on 3rd Avenue North.
- Pet Parade begins at 10:30 a.m.
- Bands begin at 11:30 a.m.
- Childrens parade begins at 5:00 p.m.
- Children's Parade award presentation at 5:30 p.m.
- Event ends at 6:00 p.m.

9. **ENCLOSE A DETAILED PDF MAP** of the event site and/or route, detailing any temporary or permanent structures, street closures, parking, etc. If applicable, list the location, blocks, streets, and/or intersections in which such an event will occur. **For large-scale events, a map or maps should be obtained from the City's GIS division.** **If also submitting a CAD file, please ensure that it is in DWG file format, and projected in TN State Plane NAD83**
- Please detail any restricted parking areas on the event map.**

Event Map: [Franklin on the Fourth 2024 Map .pdf](#)

10. **Person in charge on day of event:** Scott Ducaj
Cell: 615-479-7751 **E-mail address:** tnbugle@aol.com
11. **Name and Cell Number of at least two others available on day of event:**
Name: Mike Wyatt **Cell:** 615-260-4563 **E-mail address:** mkentwyatt@comcast.net
Name: Paul Deyo **Cell:** 615-898-5562 **E-mail address:** pablod953@tds.net

12. **Please attach a list (in PDF format)** containing the names, addresses, and phone numbers of the Chairperson of the organization and all other persons involved in the management or control of the organization and/or committee.

Administrative Contact List: [FOT4 Administrative Contact List 2024.pdf](#)

13. **Where is your organization based?** Williamson County
14. **Is your organization authorized to do business in Tennessee?** Yes
15. **Is your organization a tax-exempt organization as described by the Internal Revenue Code Section 501(c)(3) or a not-for-profit organization?** Yes
IRS tax exemption letter: [Franklin Lions Club IRS 501c3.jpeg](#)
16. **Will you charge an admission fee?** No
Average admission fee:
17. **Will you charge a vendor participation fee?** Yes
Average vendor participaion fee? 150.00
18. **Total Estimated Revenue from vendors, ticket sales, and sponsorship to event organizer:**
19. **Will any charity, gratuity, or offers be solicited or accepted during the event?** Yes
20. **Is this event a fundraiser?** Yes
What organization will be the benefactor of event? Franklin Lions Club
What percentage of funds will they receive? 100 percent after expenses

21. **Will parking in the area of the event need to be restricted or prohibited?** Yes

22. **Will any sound amplification equipment be used during the event?** Yes

23. **Applicant must also include a copy of the insurance certificate indicating coverage and listing the City of Franklin as an additional insured**

***For stages, tents, etc. constructed on site prior to the event, that date must be included on the Certificate of Insurance provided to the City of Franklin. Stages **MUST** be removed from the site at end of the event. ***Rented inflatables/interactives that are set up and manned by the applicant must be included specifically in the applicant's Certificate of Insurance.

If you already have your insurance certificate, please upload it now in pdf format. Otherwise, your insurance certificate will need to be submitted before your event is approved.

Insurance Certificate:

24. **What, if any, vendors will be present at event?** (i.e. medical related, shirts, arts, etc.) **Please provide detailed list.**

25. **Will food, beverages, or merchandise be sold or given away?** Yes

Clean-up of the area is required. Please attach your clean-up and recycling plan, including name of clean-up provider with contact information for person who will be on-site during event. See Question #26.

Clean Up Plan and Provider: [FOT4 Clean up Plan and Provider 2024.pdf](#)

26. Events under 200 participants require a \$250 refundable security deposit at the time of approval. For events over 200, a \$1000 security deposit is required upon approval. If the applicant fails to restore the property to its prior condition, then the applicant shall be responsible to the City of Franklin for any costs incurred in restoring the property after the event. Surrender of the deposit in no way relieves the applicant of the responsibility for any costs incurred by the City of Franklin in excess of the deposit. Applicant's event coordinator or representative and a City of Franklin representative will conduct a Pre-Event meeting prior to event date for Pre-Event Check List Site Review. *At the end of the event, a Post-Event Check List shall be completed by the Applicant's event coordinator, or representative, and a City of Franklin representative to re-assess the site for trash and damage, and to secure with caution tape and signage (provided by event group) any tents left for removal.* Damage deposit will be refunded after a satisfactory Post Event Check List has been completed and signed off on by both the City of Franklin and organization requesting event. ***NOTE:** Events that include deep frying cooking oil operations are required to have a grease pit on-site and contract with a grease waste hauler to handle the grease waste and removal of the grease pit. A copy of this agreement shall be filed along with this application. The primary event sponsor is required to remove all cooking grease from the site immediately after the event. Illegal dumping of cooking grease will be prosecuted. *Please read Additional Requirements section of this application for more information.*

27. **Will you require a temporary water tap?** Yes

If yes, please list exact locations:

3rd Avenue South at the square

3rd Avenue North at the square

28. **Will alcohol, beer, and/or wine be given away or sold?** No

If yes, a permit from the relevant board is required. Please read Additional Requirements section of this application for more information.

29. **Will your event include tents or other temporary structures, propane use, or open flames?** Yes

Tents 400 sq. ft. or larger (or, if cooking operations are under the tent, 200 sq. ft. or larger) require a special inspection from the Franklin Fire Department. All tents must meet the requirements of Chapter 31 of the International Fire Code. Tents 20-ft by 20-ft or larger must have an approved label or documentation showing the tent fabric meets all flammability requirements. Tents larger than 400-SF must be inspected and approved by the fire department before the event opens. All cooking operations must be inspected and approved by the fire department before the event opens. Cooking operations will be periodically inspected throughout the event. Tents should be taken down on the date the event has ended. **Please read the Additional Requirements section of this application for more information.**

30. **Attach Good Neighbor Letter and Mailing List used.** *Please read Additional Requirements section of this application for more information.*

Good Neighbor Letter: [FOT4 Good Neighbor Letter 2024.pdf](#)

Good Neighbor Letter Mailing List: [FOT4 Good Neighbor Mailing List 2024.pdf](#)



Rules and Regulations

Please Read All Attachments Before Signing Application.

- 1) I/We agree to abide by all ordinances and regulations of the City of Franklin and all State and Federal Laws.
- 2) I/We agree to abide by all conditions placed upon the event by the City Administrator and the Board of Mayor and Aldermen.
- 3) I/We do swear or affirm that all of the information given in this application is true and complete.
- 4) I/We do hereby agree to assume the defense of and indemnify and save harmless the City, its mayor, aldermen, boards, commissions, officers, employees and agents, from all suits, actions, damages or claims to which the City may be subjected of any kind or nature whatsoever resulting from, caused by, arising out of or as a consequence of such event and the activities permitted in connection there with.
- 5) I/We agree to submit a certificate of insurance prior to the event in an amount determined by the City naming the City of Franklin and its employees as additional insured. The City may require the sponsor and/or vendor provide higher levels of insurance, coverage, and policies as deemed reasonable and necessary based on specific event risk factors and review by the City's insurer.
- 6) I/We agree, if holding the special event on City property, to return the site to its pre-event condition at the conclusion of the event.
- 7) I/We agree to provide a copy of the signed Event Application to any vendors, planners, and related parties associated with the event to ensure they are familiar with the guidelines set forth herein.
- 8) I/We understand and acknowledge that all vendors, acts, performers, organizers, and patrons must not violate any laws pertaining to adult entertainment as defined by Tennessee State law.
- 9) I/We understand that I/we assume the responsibility of the actions of any vendors, planners, and related parties for this event.
- 10) I/We understand that granting of Special Event Permit does not imply granting of other permits that are separately required.
- 11) The application for an event permit shall be filed not less than 90 days nor more than 364 days prior to the scheduled date of such event. Suggested filing is at least 180 days prior to scheduled event. Events should not be advertised or promoted until an event permit has been obtained from the City. Failure to file in a timely manner may result in denial of a permit.
- 12) I/We understand that event permit holders may be responsible for 100 percent of the costs incurred by the City for staff time and resources.

BY:

(Signature and title – must be officer of organization)

FOT 41 4 DIRECTOR
FRANKLIN GOLF CLUB

Date:

3/15/2024

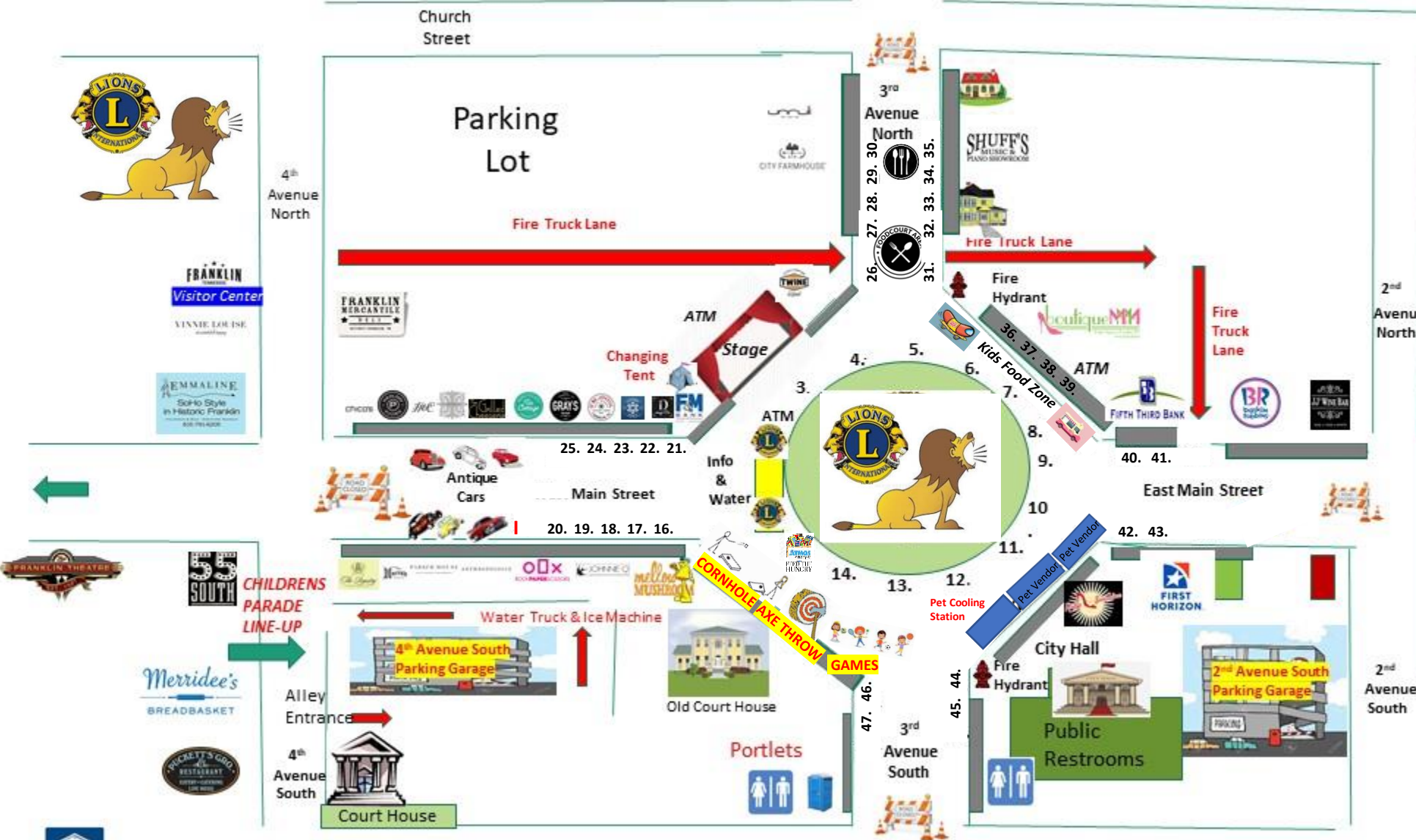
Approved by the Board of Mayor and Aldermen on _____, 20____

Dr. Ken Moore, Mayor

Eric S. Stuckey, City Administrator

Vendor Location

- | | |
|------------------------------|---------------------------|
| 1. Lions Club | 25. Handmade Happiness |
| 2. Lions Club | 26. White Shepherd Coffee |
| 3. DAR | 27. Kona Ice of Music Co |
| 4. Good Lather Soaps | 28. Kona Ice of Music Co |
| 5. WCCAC | 29. Jive Turkey |
| 6. Tutor Doctor | 30. Jive Turkey |
| 7. LeafFilter | 30a & b. Will's Chills |
| 8. Team Whitt Designs | 30c. Sunshine Oasis |
| 9. Helen's Pop Art | 31. M-Catering |
| 10. Helen's Pop Art | 32. Ace's Kettle Corn |
| 11. Renewal by Anderson | 33. Ace's Kettle Corn |
| 12. Eleven Graces | 34. Buffalo Sausage |
| 13. Tupperware & Bella | 35. Begley Hot Dogs |
| 14. Cahaba Valley Ironworks | 35a. Begley Hot Dogs |
| 15. Atmos CAN COLLECT | 36. Wild Bill's O.F Soda |
| 16. Rays Jewelry & Sunglas | 37. Oscar Mayer Mobile |
| 17. Rays Jewelry & Sunglas | 38. Shugg's Ice Cream |
| 18. Ol Sarges Jerky Hut | 39. Nash Cotton Candy |
| 19. Ol Sarges Jerky Hut | 40. Southern Roots Radio |
| 20. AA Custom Apparel | 41. Williamson Medical |
| 21. Smesser Avon | 42. J & T Heat Designs |
| 22. Color Street | 43. J & T Heat Designs |
| 23. VFW | 44. Madelow Clothing |
| 24. Vietnams Veterans | Pet Zone |
| | Pet resting area |
| | Proverbs |
| | Fantastic Beiling Farm |
| | Tip Top K-9 |
| | Old Guard Pet Comp. |
- Oscar Mayer Wiernmobile
Free Games
Balloons & Face Painting



LeafFilter

WILSON
Bank & Trust

Ann Petersen
Alderman



DOG GUARD
of Tennessee



BUERGER MOSELEY CARSON
P.L.L.C.

OLD TOWN LENDING

RENEWAL by ANDERSEN
FULL SERVICE WINDOW & DOOR REPLACEMENT

Tn.Events



**Franklin on the Fourth
Clean up Plan & Provider**

Clean up will be done by The Franklin Lions Club and TN Events. Sanitation will also be provided by the City of Franklin



Franklin on the Fourth 2024 Vendor Spaces

1. Lions Club
2. Lions Club
3. DAR
4. Good Lather Soaps
5. WCCAC
6. Tutor Doctor
7. Leaffilter
8. Team Whitt Designs
9. Helen's Pop Art
10. Helen's Pop Art
11. Renewal by Anderson
12. Eleven Graces
13. Tupperware & Bella Fizz
14. Cahaba Valley Ironworks
15. Atmos Food Collection Booth

Main Street

16. Ray's Jewelry and Sunglasses
17. Ray's Jewelry and Sunglasses
18. Old Sarges Jerky Hut
19. Old Sages Jerky Hut
20. AA Custom Apparel
- 20a. AA Custom Apparel
21. Smesser Avon
22. Color Street
23. VFW

- 24. Vietnam Veterans
- 25. Handmade Happiness
- 25a. The Candlerly

Food Zone 3rd Avenue North

- 26. White Shepherd Coffee
- 27. Kona Ice of Music City
- 28. Kona Ice of Music City
- 29. Jive Turkey Truck
- 30. Jive Turkey Truck
- 30a. Wills Chills
- 30b. Wills Chills
- 31. M-Catering
- 32. Begley Hot Dogs
- 33. Begley Hot Dogs
- 34. Sunshine Oasis
- 35. Fruit Tea
- 36. Fruit Tea

Stage quadrant - Ace's Kettle Corn

Kids food Zone – Buffalo Sausage

KIDS ZONE FOOD ON THE SQUARE

- 36. Wild Bill's Old Fashion Soda
- 37. Oscar Mayer Weinermobile
- 38. Oscar Mayer Weiner Sales
- 39. Shuggs Old Fashioned Ice Cream
- 39a. Nashville Cotton Candy Company

East Main Street

- 40. Southern Roots Radio
- 41. Williamson Medical

42. J & T Heat Designs

43. J & T Heat Designs

44. Madelow Vintage Vintage Clothing

City Hall Quadrant - Pet Zone

- A. Pet Resting Tent
- B. Proverbs
- C. Fantastic Beiling Farm (Goats)
- D. Tip Top Canine
- E. Old Guard Pet Company

Mellow Mushroom Quadrant – Kids Zone

- A. Cornhole
- B. Axe Throwing Game
- C. Basketball/Baseball/Soccer Game
- D. Mission Balloons and Face Painting

Event: Franklin on the Fourth, 4th of July
Name: Festival



FORM 1

Signature: _____

Buildings, Structures, & Power Sources

If your special event includes any of the following, you may need to obtain a permit from the Building and Neighborhood Services Department. Please check any that apply.

- Any site-built platforms (stages) and/or bleachers
- Any electrical work utilizing site-constructed equipment or wiring

Building permits and/or inspections also may be required whenever deemed necessary, due to unique conditions, shoddy construction, substandard assembly or set-up, unqualified assemblers, lack of maintenance, or dilapidation of equipment, materials or systems.

All Permit applications are subject to permit fees.

If you have any questions about whether you need to apply for a permit from the Building & Neighborhood Services Department, please call 615-794-7012.

Event: Franklin on the Fourth, 4th
Name: of July Festival



FORM 1

Signature: _____

Sound Amplification

In accordance with Title 11 Chapter 4 of the Franklin Municipal Code (*Offenses Against the Peace and Quiet*), amplification of sound located in or within 100 feet of a residential property line which is plainly audible is prohibited between the hours of 10:00 p.m. and 7:00 a.m. Sunday through Thursday and between the hours of 11:00 p.m. and 7:00 a.m. Friday and Saturday except for special events where a special permit has been obtained from the City of Franklin authorizing such event. In the event that a special event permit has been obtained from the City of Franklin, no other amplification of sound will be permitted within the area of the special event except that which has been applied for and authorized by the city pursuant to the permit application.

Applicant/Organization: Scott Ducaj - Franklin Lions Club

Event Name: Franklin on the Fourth, 4th of July Festival

Event Date(s): 07/04/2024

1. **Time amplification equipment will be used:** From: 9:00 AM To: 6:00 PM
2. **Exact locations sound amplification equipment will be used** (*i.e. stage located on Second Avenue*). Provide map/layout if necessary.:
1 Stage on the square

Sound Amplification Map: [Franklin on the Fourth 2024 Map .pdf](#)

3. **For what purpose will sound amplification be used?** Please list all that apply:
 - Announcements/Speeches
 - Band/Singers
 - Sound System
4. **Type of Amplifier:**
 - PA System
5.

Number of Amplifiers: 4 - (1 Bass 2 Guitar 1 Keyboard	Number of Speakers: 4 speakers 4 monitors	Number of Performers: 6 Bands 1 - 7 players Dancers & Cloggers 15
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6. **Name and Cell Number of at least two coordinators who will monitor the sound level and respond to complaints and violations:**

Name: Scott Ducaj	Cell: 615-479-7751	E-Mail: tnbugle@aol.com
Name: Mike Wyatt	Cell: 615-260-4563	E-Mail: mkentwyatt@comcast.net

Authorized Signature: Scott Ducaj

Date: 03/26/2024

The City of Franklin's Municipal Code (Title 11, Chapter 4) allows for exceptions to the City's noise standards for City authorized or sponsored events. However, the City retains the right to ask for a change of an event's location or time in an attempt to decrease the number of people impacted by event noise. The City may refuse a special event application based on noise complaints by neighboring businesses and residents. The City therefore encourages event-holders to work with neighbors to alleviate negative impacts wherever possible. At minimum, you should plan to point speakers away from residences.

Open Issues: 8

FIRE-Special Event

General Issues

2. Food Trucks

curt.edelmann@franklintn.gov

- Food trucks must meet the following requirements:
1. Food trucks are spaced 10-feet apart
 2. Food trucks with cooking operations require a minimum of one 5-pound ABC fire extinguisher. Extinguishers must have a current inspection tag issued by a licensed fire equipment distributor.
 3. Food trucks with cooking operations that produce grease-laden vapors must have a K-class fire extinguisher. Extinguishers must have a current inspection tag issued by a licensed fire equipment distributor.
 4. Food trucks using solid-fuel cooking equipment must have either a 2 ½-gallon approved water fire extinguisher or a K-class fire extinguisher. Extinguishers must have a current inspection tag issued by a licensed fire equipment distributor.
 5. Food trucks using solid-fuel cooking equipment must have an approved means of disposing of ashes and hot coals.
 6. Only listed safety cans are used to dispense gasoline or other flammable liquids.
 7. Fire department personnel will check propane tanks and connections for leaks prior to the event and during the event. Leaking tanks, hoses, and / or connections must be repaired immediately. Equipment that cannot be repaired must be placed out of service

3. Mobile Food Vendor / Food Truck Video

curt.edelmann@franklintn.gov

The fire department has a short video describing fire department requirements for mobile food vendors and food truck vendors. Please include this link in your vendor information packet.

<https://www.youtube.com/watch?v=-Wqp0xp-X9k&list=PLDC8BB691331C242B&index=1>

4. Mobile Food Vendors

curt.edelmann@franklin.tn.gov	Mobile food vendors must meet the following requirements: 1. Mobile food vendors with cooking operations require a minimum 5-pound ABC fire extinguisher. Extinguishers must have a current inspection tag issued by a licensed fire equipment distributor. 2. Mobile food vendors with cooking operations that produce grease-laden vapors must have a K-class fire extinguisher. Extinguishers must have a current inspection tag issued by a licensed fire equipment distributor. 3. Mobile food vendors using solid-fuel cooking equipment must have either a 2 ½-gallon approved water fire extinguisher or a K-class fire extinguisher. Extinguishers must have a current inspection tag issued by a licensed fire equipment distributor. 4. Mobile food vendors using solid-fuel cooking equipment must have an approved means of disposing of ashes and hot coals. 5. Fire department personnel will check propane tanks and connections for leaks prior to the event and during the event. Leaking tanks, hoses, and / or connections must be repaired immediately. Equipment that cannot be repaired must be placed out of service. 6. Mobile food trucks must be spaced a minimum of 10-feet apart.
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5. Vendor Tent Video

curt.edelmann@franklin.tn.gov	The fire department has a short video explaining fire department requirements for vendors using pop-up tents. Note: This video applies only to small pop-up style tents. This video does not cover larger tents. Please include this link to the video in your vendor information packet. https://www.youtube.com/watch?v=3NwA3Uo3Jng&list=PLDC8BB691331C242B&index=2
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6. Power Cords / Trip Hazards

curt.edelmann@franklin.tn.gov	Locate power cords out of walking paths whenever possible. Cords crossing or located in walking paths must be covered by an approved ramp. When located in the curb gutter, power cord plugs must be located away from places where water may accumulate. Check all power cords before using them. Damaged power cords are not permitted. Water hoses must also be covered when located in walking paths.
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7. Stages

curt.edelmann@franklin.tn.gov	Stages and sound booths require a minimum of one 5-pound ABC fire extinguisher. Extinguishers must have a current inspection tag issued by a licensed fire equipment distributor. After stage setup is complete, the stage manager / crew chief shall be prepared to meet with Franklin fire and building inspectors to assure the stage has been properly setup and all safety measures are in place.
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8. Site Plan

curt.edelmann@franklinn.gov

2. A 10-foot gap is required mid-block. It is not necessary to locate the gap in the exact center of the block.
3. A 10-foot space must be maintained in front of each fire hydrant.
4. 10-feet of space is required along the curbs on both sides of alleys.
5. Food trucks are not permitted on the east side of 3rd Avenue North from the Square to the alley.

Sanitation and Environmental Services

General Issues

1. Solid Waste Service

bobby.sullivan@franklinn.gov

Sanitation and Environmental Services will be responsible for maintaining the garbage containers before, during and after the event, this is to include the containers in the Second Ave parking garage. Additionally, we will provide the following:

- (6-7) crew members
- (1) sideloader for traffic control
- (2) Rear loaders for garbage
- Cosmetic can covers for sidewalk containers

Reply

[Edited By Bobby Sullivan]

Staff Conditions:

Staff recommends approval of this event with the following conditions:

- Applicant shall meet with staff for walk through at least five days prior to event.
- Applicant will provide detailed map/layout to City detailing location of tents, vendors, etc. prior to event.

Building & Neighborhood Services:

- Special Event Electrical Permit will be required.

Risk Management:

- Applicant will provide certificate of insurance naming the City as additional insured.
- Any accidents or injuries occurring during the event should be reported to City representatives immediately.

Streets Department:

- Department will set-up closure and provide barricades
- Applicant or designee will stay present at event until all vendors are gone.
- Department will provide clean-up crew for after the event.

Police Department:

- The Department will provide on duty Police Officers to provide security during the festival.
- Applicant has requested amplification on stages in the permitted area.
Pursuant to Franklin Municipal Code Section 11-403(3), these are the only locations at which amplified sound will be permitted during this event.

Revenue Management:

- Applicant will provide a complete list of vendors to the City prior to the event.

Sanitation and Environmental Services Department:

- Department will provide crews for cleanup during event.

Water Management Department:

- Taps will be placed on hydrants at:
 - Third Ave S at City Hall
 - Third Ave N at the Square

Fire Department:

- Applicant must secure tent permits.
- Applicant must adhere to requirements provided by the Fire Marshal's office regarding tents, stages, and mobile food vendors
- After stage setup is complete, the stage manager / crew chief shall be prepared to meet with Franklin fire and building inspectors to assure the stage has been properly setup and all safety measures are in place.



File #: 21-0201

DATE: May 13, 2024
TO: Board of Mayor and Aldermen
FROM: Eric Stuckey, City Administrator
Milissa Reiersen, Communications Manager
Monique McCullough, Public Outreach Specialist

SUBJECT:

Consideration Of Special Event Permit For Christmas Parade Sponsored By Downtown Franklin Rotary Club On December 7, 2024

PURPOSE:

The purpose of this memorandum is to provide information to the Franklin Board of Mayor and Aldermen (BOMA) concerning recommendations for the annual Christmas Parade.

BACKGROUND/STAFF COMMENTS:

Last year, the Downtown Franklin Rotary Club took over as the sponsors of the annual Franklin Christmas Parade. This year's parade is scheduled for December 7th and will begin at 2 p.m. The estimated attendance is 10,000. There will not be any substantial changes.

FINANCIAL IMPACT:

The Downtown Franklin Rotary Club will pay for extra-duty police officers to work the event.

RECOMMENDATION:

The City's Special Events Advisory Team (SEAT) has reviewed the application and recommends approval with the following conditions:

- Applicant must notify affected neighborhoods of the event and street closures

Risk Management:

- Applicant will provide a certificate of insurance naming the City as an additional insured.
- Any accidents or injuries occurring during the event should be reported to City representatives immediately.

- Event organizers will notify all participants that, for safety reasons, candy cannot be thrown from floats.

Streets Department:

- Department will put out Message Boards several days prior to the event to notify motorists of closures.
- Department will put out bike barricades along Main Street for crowd control.
- Department will provide clean-up crew after the event.

Police Department:

- Applicant will hire the recommended number of extra-duty Franklin Police Officers to provide security and traffic control for the event.

Sanitation and Environmental Services Department:

- Department will provide rollout containers along the parade route.
- Applicant will provide volunteers to do clean-up after the event.

Parks Department:

- Applicant will work with Department to determine locations and rules/regulations for staging areas at Jim Warren Park.



City of Franklin

Special Event Permit Application

*Application is Due 90 Days Prior to Scheduled Event.
Please read application carefully and fully complete each section.
A non-refundable application fee of \$100 is due at time of filing.*

Note: Filing this application does not guarantee that you request will be granted.

Please list all that apply:

- Parade/March

- Name/purpose of event:** 2024 Downtown Franklin Christmas Parade
- Location Requested:** (if Temporary Street Closure, list major roads to be closed):
Same as last year with the additional callouts from the Police After Action Report
- Date or dates of event:** 12/07/2024
- Start/End Times of Event:**
Actual Parade is planned to start at 2pm and should complete by 4pm

What date/time will set-up begin? 12/7/2024 8:00 AM

What date/time will tear-down be complete? 12/7/2024 6:00 PM

**Note: Event is responsible for cost of staff required during this time (including Franklin Police Officers). Read Additional Requirements section for more information).*

- Time of Street Closure** (if applicable):
Same as last year, the streets will need to close by 1pm so that the parade can be staged.
- An estimated number expected to attend during the course of the event:**
Spectators/Attendees: 10,000 Event Staff/Volunteers: 100 Total: 10,100
- Name of applicant and Organization Requesting Permit** (at least one applicant must be a resident of the City of Franklin; or the organization must be located in the City limits of Franklin): **Applicant / Organization Requesting Permit**
Alan Simms
Downtown Franklin Rotary Club
119 LEWISBURG AVE
FRANKLIN, TN 37064-2883
P: 214-668-2876
alansimms@live.com
Person in charge on day of event: Alan Simms
Cell: 214-668-2876 **E-mail address:** alansimms@Live.com
Name and Cell Number of at least two others available on day of event:
Name: Kathy Meadows **Cell:** 615-969-3783 **E-mail address:** kwmead@aol.com
Name: Candy Sullivan **Cell:** 615-480-1001 **E-mail address:** candy.sullivan@mybga.org

8. **DETAILED description of the event** (include information regarding the appropriateness of the event for all ages. If available, include the names and descriptions of acts/performers) :
2024 Downtown Franklin Christmas Parade

9. **ENCLOSE A DETAILED PDF MAP** of the event site and/or route, detailing any temporary or permanent structures, street closures, parking, etc. If applicable, list the location, blocks, streets, and/or intersections in which such an event will occur. ***For large-scale events, a map or maps should be obtained from the City's GIS division.***
If also submitting a CAD file, please ensure that it is in DWG file format, and projected in TN State Plane NAD83

Please detail any restricted parking areas on the event map.

Event Map: [Franklin Christmas Parade_COF Map.pdf](#)

10.

Please attach a list (in PDF format) containing the names, addresses, and phone numbers of the Chairperson of the organization and all other persons involved in the management or control of the organization and/or committee.

Administrative Contact List: [2023_2024 and 2024_2025 DFRC Board.docx](#)

11. **Where is your organization based?** Williamson County
12. **Is your organization authorized to do business in Tennessee?** Yes
13. **Is your organization a tax-exempt organization as described by the Internal Revenue Code Section 501(c)(3) or a not-for-profit organization?** Yes
IRS tax exemption letter: [TN Tax Cert.pdf](#)
14. **Will you charge an admission fee?** No
Average admission fee:
15. **Will you charge a vendor participation fee?** Yes
Average vendor participation fee? 100
16. **Total Estimated Revenue from vendors, ticket sales, and sponsorship to event organizer:**
17. **Will any charity, gratuity, or offers be solicited or accepted during the event?** Yes
18. **Is this event a fundraiser?** Yes
What organization will be the benefactor of event? Downtown Franklin Rotary Club
What percentage of funds will they receive? 100
19. **Will parking in the area of the event need to be restricted or prohibited?** Yes
20. **Will any sound amplification equipment be used during the event?** No

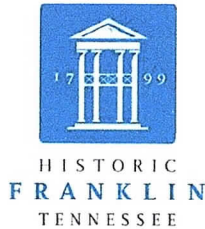
21. **Applicant must also include a copy of the insurance certificate indicating coverage and listing the City of Franklin as an additional insured**

***For stages, tents, etc. constructed on site prior to the event, that date must be included on the Certificate of Insurance provided to the City of Franklin. Stages MUST be removed from the site at end of the event. ***Rented inflatables/interactives that are set up and manned by the applicant must be included specifically in the applicant's Certificate of Insurance.

If you already have your insurance certificate, please upload it now in pdf format. Otherwise, your insurance certificate will need to be submitted before your event is approved.

Insurance Certificate:

22. **What, if any, vendors will be present at event?** (i.e. medical related, shirts, arts, etc.) **Please provide detailed list.**
TBD
23. **Will food, beverages, or merchandise be sold or given away?** Yes
Clean-up of the area is required. Please attach your clean-up and recycling plan, including name of clean-up provider with contact information for person who will be on on-site during event. See Question #26.
Clean Up Plan and Provider: [TBD.docx](#)
24. Events under 200 participants require a \$250 refundable security deposit at the time of approval. For events over 200, a \$1000 security deposit is required upon approval. If the applicant fails to restore the property to its prior condition, then the applicant shall be responsible to the City of Franklin for any costs incurred in restoring the property after the event. Surrender of the deposit in no way relieves the applicant of the responsibility for any costs incurred by the City of Franklin in excess of the deposit. Applicant's event coordinator or representative and a City of Franklin representative will conduct a Pre-Event meeting prior to event date for Pre-Event Check List Site Review. *At the end of the event, a Post-Event Check List shall be completed by the Applicant's event coordinator, or representative, and a City of Franklin representative to re-assess the site for trash and damage, and to secure with caution tape and signage (provided by event group) any tents left for removal.* Damage deposit will be refunded after a satisfactory Post Event Check List has been completed and signed off on by both the City of Franklin and organization requesting event. **NOTE:* Events that include deep frying cooking oil operations are required to have a grease pit on-site and contract with a grease waste hauler to handle the grease waste and removal of the grease pit. A copy of this agreement shall be filed along with this application. The primary event sponsor is required to remove all cooking grease from the site immediately after the event. Illegal dumping of cooking grease will be prosecuted. *Please read Additional Requirements section of this application for more information.*
25. **Will you require a temporary water tap?** No
If yes, please list exact locations:
26. **Will alcohol, beer, and/or wine be given away or sold?** No
If yes, a permit from the relevant board is required. Please read Additional Requirements section of this application for more information.
27. **Will your event include tents or other temporary structures, propane use, or open flames?** Yes
Tents 400 sq. ft. or larger (or, if cooking operations are under the tent, 200 sq. ft. or larger) require a special inspection from the Franklin Fire Department. All tents must meet the requirements of Chapter 31 of the International Fire Code. Tents 20-ft by 20-ft or larger must have an approved label or documentation showing the tent fabric meets all flammability requirements. Tents larger than 400-SF must be inspected and approved by the fire department before the event opens. All cooking operations must be inspected and approved by the fire department before the event opens. Cooking operations will be periodically inspected throughout the event. Tents should be taken down on the date the event has ended. ***Please read the Additional Requirements section of this application for more information.***
28. **Attach Good Neighbor Letter and Mailing List used.** *Please read Additional Requirements section of this application for more information.*
Good Neighbor Letter: [TBD.docx](#)
Good Neighbor Letter Mailing List: [TBD.docx](#)



Rules and Regulations

Please Read All Attachments Before Signing Application.

- 1) I/We agree to abide by all ordinances and regulations of the City of Franklin and all State and Federal Laws.
- 2) I/We agree to abide by all conditions placed upon the event by the City Administrator and the Board of Mayor and Aldermen.
- 3) I/We do swear or affirm that all of the information given in this application is true and complete.
- 4) I/We do hereby agree to assume the defense of and indemnify and save harmless the City, its mayor, aldermen, boards, commissions, officers, employees and agents, from all suits, actions, damages or claims to which the City may be subjected of any kind or nature whatsoever resulting from, caused by, arising out of or as a consequence of such event and the activities permitted in connection there with.
- 5) I/We agree to submit a certificate of insurance prior to the event in an amount determined by the City naming the City of Franklin and its employees as additional insured. The City may require the sponsor and/or vendor provide higher *levels of insurance, coverage, and policies as deemed reasonable and necessary based on specific event risk factors* and review by the City's insurer.
- 6) I/We agree, if holding the special event on City property, to return the site to its pre-event condition at the conclusion of the event.
- 7) I/We agree to provide a copy of the signed Event Application to any vendors, planners, and related parties associated with the event to ensure they are familiar with the guidelines set forth herein.
- 8) I/We understand and acknowledge that all vendors, acts, performers, organizers, and patrons must not violate any laws pertaining to adult entertainment as defined by Tennessee State law.
- 9) I/We understand that I/we assume the responsibility of the actions of any vendors, planners, and related parties for this event.
- 10) I/We understand that granting of Special Event Permit does not imply granting of other permits that are separately required.
- 11) The application for an event permit shall be filed not less than 90 days nor more than 364 days prior to the scheduled date of such event. Suggested filing is at least 180 days prior to scheduled event. Events should not be advertised or promoted until an event permit has been obtained from the City. Failure to file in a timely manner may result in denial of a permit.
- 12) I/We understand that event permit holders may be responsible for 100 percent of the costs incurred by the City for staff time and resources.

BY: _____

(Signature and title – must be officer of organization)

Date: _____

Approved by the Board of Mayor and Aldermen on _____, 20____

Dr. Ken Moore, Mayor

Eric S. Stuckey, City Administrator

Event 2024 Downtown Franklin
Name: Christmas Parade

Signature: _____



FORM 1

Buildings, Structures, & Power Sources

If your special event includes any of the following, you may need to obtain a permit from the Building and Neighborhood Services Department. Please check any that apply.

Building permits and/or inspections also may be required whenever deemed necessary, due to unique conditions, shoddy construction, substandard assembly or set-up, unqualified assemblers, lack of maintenance, or dilapidation of equipment, materials or systems.

All Permit applications are subject to permit fees.

If you have any questions about whether you need to apply for a permit from the Building & Neighborhood Services Department, please call 615-794-7012.



Signature: _____

Sound Amplification

In accordance with Title 11 Chapter 4 of the Franklin Municipal Code (*Offenses Against the Peace and Quiet*), amplification of sound located in or within 100 feet of a residential property line which is plainly audible is prohibited between the hours of 10:00 p.m. and 7:00 a.m. Sunday through Thursday and between the hours of 11:00 p.m. and 7:00 a.m. Friday and Saturday except for special events where a special permit has been obtained from the City of Franklin authorizing such event. In the event that a special event permit has been obtained from the City of Franklin, no other amplification of sound will be permitted within the area of the special event except that which has been applied for and authorized by the city pursuant to the permit application.

Applicant/Organization: Alan Simms - Downtown Franklin Rotary Club

Event Name: 2024 Downtown Franklin Christmas Parade

Event Date(s): 12/07/2024

1. **Time amplification equipment will be used:** From: To:
2. **Exact locations sound amplification equipment will be used** (*i.e. stage located on Second Avenue*). Provide map/layout if necessary.:

Sound Amplification Map:

3. **For what purpose will sound amplification be used?** Please list all that apply:

4. **Type of Amplifier:**

5.

Number of Amplifiers:	Number of Speakers:	Number of Performers:
------------------------------	----------------------------	------------------------------

6. **Name and Cell Number of at least two coordinators who will monitor the sound level and respond to complaints and violations:**

Name:	Cell:	E-Mail:
Name:	Cell:	E-Mail:

Authorized Signature: Alan Simms

Date: 04/11/2024

The City of Franklin's Municipal Code (Title 11, Chapter 4) allows for exceptions to the City's noise standards for City authorized or sponsored events. However, the City retains the right to ask for a change of an event's location or time in an attempt to decrease the number of people impacted by event noise. The City may refuse a special event application based on noise complaints by neighboring businesses and residents. The City therefore encourages event-holders to work with neighbors to alleviate negative impacts wherever possible. At minimum, you should plan to point speakers away from residences.

Christmas Parade



START

Jim Warren Park

Bicentennial Park

FINISH

- Parade Route
- Dispersion Route 1
- Dispersion Route 2
- Streets
- River/Streams
- Parks

FRANKLIN DISCLAIMER
This map was created by the City of Franklin's IT Department and was compiled from the most authentic information available. The City is not responsible for any errors or omissions contained herein. All data and materials Copyright © 2024. All Rights Reserved.

Open Issues: 7

FIRE-Special Event

General Issues

2. Miscellaneous Requirements

curt.edelmann@franklin.tn.gov No open flames are permitted in areas open to the public.

3. Mobile Food Vendors

curt.edelmann@franklin.tn.gov Mobile food vendors must meet the following requirements:

1. Mobile food vendors with cooking operations require a minimum 5-pound ABC fire extinguisher. Extinguishers must have a current inspection tag issued by a licensed fire equipment distributor.
2. Mobile food vendors with cooking operations that produce grease-laden vapors must have a K-class fire extinguisher. Extinguishers must have a current inspection tag issued by a licensed fire equipment distributor.
3. Mobile food vendors using solid-fuel cooking equipment must have either a 2 ½-gallon approved water fire extinguisher or a K-class fire extinguisher. Extinguishers must have a current inspection tag issued by a licensed fire equipment distributor.
4. Mobile food vendors using solid-fuel cooking equipment must have an approved means of disposing of ashes and hot coals.
5. Fire department personnel will check propane tanks and connections for leaks prior to the event and during the event. Leaking tanks, hoses, and / or connections must be repaired immediately. Equipment that cannot be repaired must be placed out of service.
6. Mobile food trucks must be spaced a minimum of 10-feet apart.

4. Portable heaters

curt.edelmann@franklin.tn.gov Portable heaters for individual use in small tents.

1. The clearance between a portable heaters and combustible objects must be in accordance with the manufacturer's directions or 3-feet.
2. Portable heaters must be listed for both indoor and outdoor use.
3. For electric heaters: Plug heaters directly into an outlet. If an extension cord is necessary, a 12-guage or heavier code no more than 25-feet long shall be used.
4. For propane heaters: Propane no larger than 2.5-pounds shall be used.
5. Heaters shall be checked often to make sure they are operating properly.
6. For propane heaters: An ABC (all-purpose) fire extinguisher is required.

5. Tents

Tents must meet the following requirements.

1. A site diagram showing where the tent will be on site and clearly showing fire department access routes is required. The site diagram shall also show the location of all generators and heating and cooking equipment.
2. Provide floor plan of the tent showing the layout of all furniture and fixtures and all exits.
3. Tents are located no closer than 20-feet to a building or other tent (zoning requirement; exceptions apply)
4. Tents must be properly anchored. Tents 20-feet by 20-feet and larger must be anchored in accordance with manufacturer's instructions. Staking is preferred. If staking is not possible, concrete blocks are required. Water barrels are not permitted. As a general rule-of-thumb, tents must have 5-pound to 10-pounds of anchoring per SF of tent. One 36-inch stake, properly installed, provides 800-pounds anchoring.
5. Tents 20-feet by 20-feet and larger must have at least one 5-pound ABC fire extinguisher. Extinguishers must have a current inspection tag issued by a licensed fire equipment distributor.
6. Tents 20-feet by 20-feet and larger must have a label or certificate showing that the tent fabric meets flammability standards.
7. Tents with sides are treated as buildings and must meet all the fire and life safety code requirements for buildings including exit signs, emergency lights, and adequate means of egress.
8. Pop-up vendor tents (nominal 10-feet x 10-feet) must have a minimum of 40-pounds of ballast on each pole.
9. Pop-up tents using open flames, such as, candles, portable heaters, torches, must have one ABC fire extinguisher that is fully charged.

6. Vendor Tent Video

The fire department has a short video explaining fire department requirements for vendors using pop-up tents. Note: This video applies only to small pop-up style tents. This video does not cover larger tents.

Please include this link to the video in your vendor information packet.

<https://www.youtube.com/watch?v=3NwA3Uo3Jng&list=PLDC8BB691331C242B&index=2>

7. Mobile Food Vendors

curt.edelmann@franklin.tn.gov

Mobile food vendors must meet the following requirements:

1. Mobile food vendors with cooking operations require a minimum 5-pound ABC fire extinguisher. Extinguishers must have a current inspection tag issued by a licensed fire equipment distributor.
2. Mobile food vendors with cooking operations that produce grease-laden vapors must have a K-class fire extinguisher. Extinguishers must have a current inspection tag issued by a licensed fire equipment distributor.
3. Mobile food vendors using solid-fuel cooking equipment must have either a 2 ½-gallon approved water fire extinguisher or a K-class fire extinguisher. Extinguishers must have a current inspection tag issued by a licensed fire equipment distributor.
4. Mobile food vendors using solid-fuel cooking equipment must have an approved means of disposing of ashes and hot coals.
5. Fire department personnel will check propane tanks and connections for leaks prior to the event and during the event. Leaking tanks, hoses, and / or connections must be repaired immediately. Equipment that cannot be repaired must be placed out of service.
6. Mobile food trucks must be spaced a minimum of 10-feet apart.

Sanitation and Environmental Services

General Issues

1. Solid Waste Service

bobby.sullivan@franklin.tn.gov

- How many volunteers will you have on site for clean-up?
- What type of containers will you be using.

Thanks,
Wayne

Staff Conditions:

Staff recommends approval with the following conditions:

- Applicant must notify affected neighborhoods of the event and street closures

Risk Management:

- Applicant will provide certificate of insurance naming the City as additional insured.
- Any accidents or injuries occurring during the event should be reported to City representatives immediately.
- Event organizers will notify all participants that, for safety reasons, candy cannot be thrown from floats.

Streets Department:

- Department will put out Message Boards several days prior to event to notify motorists of closures.
- Department will put out bike barricades along Main Street for crowd control
- Department will provide clean-up crew for after the event.

Police Department:

- Applicant will hire the recommended number of extra-duty Franklin Police Officers to provide security and traffic control for the event.

Sanitation and Environmental Services Department:

- Department will provide rollout containers along the parade route
- Applicant will provide volunteers to do clean-up after the event

Parks Department:

- Applicant will work with Department to determine locations and rules/regulations for staging areas at Jim Warren Park.



File #: 21-0219

DATE: May 14, 2024
TO: Board of Mayor and Aldermen
FROM: Eric Stuckey, City Administrator
Eric Stuckey, City Administrator
Chris Koeper

SUBJECT:

Presentation Regarding Value Engineering Guidance On LEED Certification And Sub-Surface Parking For The New City Hall Project

PURPOSE:

The purpose of this memorandum is to provide information to the Franklin Board of Mayor and Aldermen (BOMA) concerning Value Engineering Guidance on two specific items, LEED Certification and Sub-Surface Parking for the New City Hall.

BACKGROUND/STAFF COMMENTS:

The City of Franklin's owner's representative, STV, Inc., is bringing forth some initial value engineering items that require guidance from the Board to continue moving the design process forward. The two items are whether to proceed with an official LEED Silver Certification and whether to remove all or a portion of the subsurface parking area. The cost savings will be presented by Chris Koeper from STV, Inc.

FINANCIAL IMPACT:

The financial impact to the City is based on which direction the Board of Mayor and Aldermen decide to take on these two items. Pursuing the official LEED Silver Certification will cost the City between \$1.5 - \$2 million dollars. City staff recently shared this item with the Sustainability Commission, and they are generally supportive of the city not pursuing the official LEED certification.

Regarding the sub-surface parking, there are three (3) options that impact sub-surface parking garage capacity. Option A will save the City \$7 million, Option B will save the City \$9 million, and Option C will save the City \$15 million. Additional details are included in the attached executive summary.

Guidance on the two value engineering items is important to allow the design team to continue its work and to avoid incurring costs associated with these two design elements.

RECOMMENDATION:

Staff recommends that the Board of Mayor and Aldermen provide guidance to Chris on how to move forward with these two important design elements.



Franklin City Hall

Value Engineering - Programmatic Options – May 2024

Executive Summary

Value Engineering Budget Reduction Opportunities

1. LEED Silver Certification

\$1.5M - \$2M

- a. Project can still be designed and built with sustainability as a guiding principle.
- b. Provides increased options for design and specification particularly for the HVAC system, and additionally in irrigation and other LEED required scope that does not align directly with the project goals.
- c. Allows for multiple HVAC systems to be considered by the designer and CMAR, which decreases project risk related to supply chains and labor.
- d. Lifecycle maintenance costs can be reduced, and utility consumption will be in line with a certified building.

2. Parking Garage Capacity

Option A: Reduced Garage Footprint to Building Footprint (100 Spaces) ~\$7M

Option B: Reduced Garage Footprint to Partial Building Footprint (68 Spaces) ~\$9M

Option C: Eliminate Below Grade Garage (Zero Added spaces) ~\$15M

a. Common to all options are:

- a. Reduction in the construction duration
- b. Available onsite staging, improved site logistics and reduced traffic impacts
- c. Opportunity to Improve Park features due to the removal of the constraints of the garage below.

b. Net Impact of each Option on Total Parking Capacity

	Surface	Garage	Below Grade Garage	Total Spaces	Net Change
Existing Parking	85	299	0	384	0
Current Design	17	299	200	516	132
Option A	17	299	100	416	32
Option B	17	299	68	384	0
Option C	17	299	0	316	-68



File #: 21-089

DATE: May 3, 2024
TO: Board of Mayor and Aldermen
FROM: Eric Stuckey, City Administrator
Tom Marsh, Building and Neighborhood Services Director
Kathleen Sauseda, Housing Development Coordinator

SUBJECT:

Consideration Of Resolution 2024-31, A Resolution Declaring That The City Will Adopt The Fifth Year Annual Action Plan For Community Development Block Grant Funding For The City Of Franklin, Tennessee

PURPOSE:

The purpose of this memorandum is to provide information to the Franklin Board of Mayor and Aldermen (BOMA) concerning the adoption of the fifth year Annual Action Plan for the Community Development Block Grant funding for the City of Franklin.

BACKGROUND/STAFF COMMENTS:

The City of Franklin qualifies as an entitlement community within the Federal Community Development Block Grant (CDBG) program. The CDBG Entitlement Program provides annual grants on a formula basis to entitled cities and counties to develop viable urban communities by providing decent housing and a suitable living environment, and by expanding economic opportunities, principally for low- and moderate-income persons.

The Annual Action Plan reflects how the City of Franklin intends to disperse the Community Development Block Grant (CDBG) funds for the 2024-2025 program year. The City has not yet received notice from the Department of Housing and Urban Development (HUD) that defines the grant amount for this program year; however, it is anticipated to be approximately \$375,000. This plan reflects projects that were identified in the five-year 2020-2025 Consolidated Plan that was approved by the BOMA in May 2020 and approved by HUD. Specific categories of expenditure are:

- Community Based Development Organization (CBDO) - \$100,000
- Public Facilities - \$200,000
- Admin (always 20%) - \$75,000

FINANCIAL IMPACT:

The funding for this grant comes from the Department of Housing and Urban Development (HUD) through the Community Development Block Grant (CDBG) allocation. The anticipated funding level for the 2024-25 program year is \$375,000.

RECOMMENDATION:

Staff recommends that the Board of Mayor and Aldermen approve Resolution 2024-31, A Resolution Declaring That The City Will Adopt The Fifth Year Annual Action Plan For Community Development Block Grant Funding For The City Of Franklin, Tennessee.



50%

[GO TO ITEM](#)

[Previous Item](#)

[Next Item](#)

[Next Approval](#)

[Select Item](#)

[VIEW: ITEM FIELDS](#)

[Item Fields](#)

[Item Files](#) 3

[Item Timeline](#)

[Item Approvals](#)

[Item Tasks](#)

RESOLUTION 2024-31

A RESOLUTION ADOPTING THE FIFTH YEAR ANNUAL ACTION PLAN FOR COMMUNITY DEVELOPMENT BLOCK GRANT FUNDING FOR THE CITY OF FRANKLIN, TENNESSEE.

WHEREAS, as part of the City of Franklin's agreement to be an Entitlement City the Housing and Urban Development (HUD) Office requires the City complete an Annual Action Plan regarding the disbursement of grant funds that are awarded to the City of Franklin; and

WHEREAS, the Annual Action Plan reflects the conditions under which the City has met the requirements of the plan and reflects how the City shall disburse the Community Development Block Grant funds for the fiscal year 2024-2025. The City received approximately \$375,000.00 for Fiscal Year 2024; and

WHEREAS, the Board of Mayor and Aldermen believes it is in the best interest of the City of Franklin to identify these conditions and the policies and procedures that govern the Community Development Block Grant awards; and

WHEREAS, the Board of Mayor and Aldermen believes it is in the best interest of the City of Franklin to adopt the Annual Action Plan in order to meet the Congressional Intent that requires Entitlement City grantees to expend their funds in a manner that effectively meets local needs but primarily serves low-income residents.

NOW THEREFORE, BE IT RESOLVED BY THE BOARD OF MAYOR AND ALDERMEN OF THE CITY OF FRANKLIN, TENNESSEE, AS FOLLOWS:

Section 1. The 2024-2025 Annual Action Plan, attached as Exhibit A hereto, is adopted.

Section 2. The Housing Development Coordinator of the City shall be responsible for the administration and enforcement of the Annual Action Plan.

Section 3. Changes or revisions to the Plans hereby adopted shall be made only by resolution of the Board of Mayor and Aldermen of the City of Franklin.

IT IS SO RESOLVED AND DONE on this ____ day of _____, 2024.

ATTEST:

CITY OF FRANKLIN, TENNESSEE:

BY: _____
Eric S. Stuckey, City Administrator

BY: _____
Dr. Ken Moore, Mayor

APPROVED AS TO FORM:

BY: _____
William E. Squires, Assistant City Attorney



THE CITY OF FRANKLIN, TENNESSEE
FIFTH YEAR ANNUAL ACTION PLAN
FROM THE FIVE-YEAR
CONSOLIDATED PLAN OF 2020-2025



Executive Summary

AP-05 Executive Summary - 24 CFR 91.200(c), 91.220(b)

1. Introduction

This Annual Plan covers the 2024 program year and completes the 2020-2025 Consolidated Plan that was submitted and approved by The Department of Housing and Urban Development.

The Five-Year Consolidated Plan serves as a planning document for the City of Franklin, Tennessee. This plan is designed to allocate the funds received from the Community Development Block Grant toward affordable housing and community development.

The Annual Action Plan provides a summary of the actions, activities and funding sources that will be used each year to support the specific goals identified by the Five-Year Consolidated Plan.

The City of Franklin continues to support our local non-profits in their endeavors to bring and keep affordable housing within the City of Franklin. This includes working with all four of our non-profits to develop deed restricted, affordable homes to the City. As the population of Franklin continues to grow, housing prices are increasing, and people are being pushed out of the place they have called home their entire lives. Furthermore, we have the children of these homeowners returning from college only to find themselves priced out of a home in their hometown.

The City of Franklin's Board of Mayor and Aldermen recognize the value of a diverse connected community. The City of Franklin will continue to strive to keep vibrant neighborhoods that will embrace all the current and new residents coming to our City.

2. Summarize the objectives and outcomes identified in the Plan

This could be a restatement of items or a table listed elsewhere in the plan or a reference to another location. It may also contain any essential items from the housing and homeless needs assessment, the housing market analysis or the strategic plan.

The City continues to create strategies to meet the need for affordable housing within the City. This year will see the completion of Cherokee Place Family Housing that is being funded, in part, using the City of Franklin, CDBG funds. Additionally, the City will use funds to support land acquisition, as it becomes available, and fund public facilities including repair or replacement of infrastructure, sidewalks and sewers.

Housing Information as of February 2024						
Property	Total # of Units	# of Vacancies	30% AMI or less	50% AMI or less	60% AMI or less	80% AMI or less
Chickasaw Senior	48	2	0	10	0	38
Reddick Senior & Grandbury	48	0	0	5	0	43
Reddick Family, Battlement & Carter	64	1	0	13	29	22
Spring St. Johnson Cir.	64	1	8	0	22	42
Harpeh Homes	34	3	34	0	0	0
Park Street	22	2	0	12	0	10
Short Court/Natchez 8	24	12	24	0	0	0
Shawnee	36	36	0	4	32	0
Natchez	16	1	5	5	1	4
Cherokee Place	76	N/A	0	20	56	0
including Conv., Dev. & Const.	296	10				
Notes: Vacancy: Currently being prepared for a RAD Conversion. Residents are transferring to other housing units and Cherokee Place Apartments once available.						
Vacancy: In development. Proper demo'd. Residents have been transferred to other housing units.						
Under Construction						

Waiting List Info as of February 2024 - Site Specific Wait List			
Community	Total # of Households on Property Specific Wait List	# of Elderly	Notes
Chickasaw Senior Community	47	47	Due to Fair Housing, FHA doesn't inquire about need for special accommodations or specific income level until prospective residents fill out an application to qualify. The only demographic information we have for wait lists is regarding our senior communities.
Reddick Senior & Grandbury	90	90	
Reddick Family, Battlement & Carter	0	N/A	
Spring St. Johnson Cir.	0	N/A	
Harpeh Homes/Public Housing	40	10	
Park Street	49	10	
Short Court/Natchez 8	Prep for RAD Conversion		
Shawnee	In Development		
Natchez	0	0	
Cherokee	Under Construction		
Total	226	157	

Ethnicity of Served Households as of February 2024					
Community	African American	Caucasian	Hispanic	Native American	
Chickasaw Senior Community	87.00%	11.00%	2.00%	0.00%	
Reddick Senior & Grandbury	86.00%	13.00%	1.00%	0.00%	
Reddick Family, Battlement & Carter	71.00%	23.00%	5.00%	1.00%	
Spring St. Johnson Cir.	88.00%	8.00%	4.00%	0.00%	
Harpeh Homes/Public Housing	84.00%	16.00%	0.00%	0.00%	
Park Street	74.00%	26.00%	0.00%	0.00%	
Short Court/Natchez 8	Prep for RAD Conversion				
Shawnee	In Development				
Natchez	100.00%	0.00%	0.00%	0.00%	
Cherokee	Under Construction				

FHA 2024

3. Evaluation of past performance

This is an evaluation of past performance that helped lead the grantee to choose its goals or projects.

The City of Franklin's 2020-2025 Consolidated Plan identified availability and affordable housing as the number one priority for the CDBG funds annual allocation. Additionally, we worked to improve the neighborhoods of our low to moderate income residents and assist with rehabilitation of existing homes.

The City continues to have success with its identified CDBG activities, including the rehabilitation program, partnering with qualified non-profits, and offering assistance with public facilities. Additionally, the city waived all impact fees for our local PHA to assist construction costs for the Cherokee Community. This dwelling will consist of seventy-six new units that will house low to moderate income residents.

4. Summary of Citizen Participation Process and consultation process

Summary from citizen participation section of plan.

During the 2024 Annual Action Plan preparation, a Public Review Meeting was held on Monday, March 25, 2024, to obtain comments on the current Annual Action Plan draft and funding recommendations for the CDBG Program. A 30-day comment period was held from Monday, March 25, 2024, through Thursday, May 2, 2024 for the public to review and provide comments on the Annual Action Plan. The plan was available for review in hard copy in City Hall at the Building & Neighborhood Department and on the City's website:

<https://www.franklintn.gov/government/departments-a-j/building-and-neighborhood-services/department-operations/housing-commission>

5. Summary of public comments

This could be a brief narrative summary or reference an attached document from the Citizen Participation section of the Con Plan.

No one showed for the public meeting.

6. Summary of comments or views not accepted and the reasons for not accepting them

There were no comments or views that were not accepted.

7. Summary

The City continues to work within the community to further affordable housing. Housing in Franklin is being measured more as a response to a complex set of economic, social and financial reflexes that the City continues to experience. This includes Franklin being consistently ranked as one of the best places to live in the United States by publications such as BestPlaces, CNN Money, and USA Today.

PR-05 Lead & Responsible Agencies – 91.200(b)

1. Agency/entity responsible for preparing/administering the Consolidated Plan

Describe the agency/entity responsible for preparing the Consolidated Plan and those responsible for administration of each grant program and funding source.

Agency Role	Name	Department/Agency
CDBG Administrator	FRANKLIN	Building and Neighborhood Services

Table 1 – Responsible Agencies

Narrative (optional)

The City of Franklin has a dedicated staff person who is solely responsible for preparing the Consolidated Plan, the Annual Action Plan, and the Consolidated Annual Performance Evaluation Report.

The Housing Development Coordinator administers the Community Development Block Grant (CDBG) funds received from the U.S. Department of Housing and Urban Development (HUD), and coordinates execution of projects related to the priorities and goals identified in the Consolidated Plan.

Consolidated Plan Public Contact Information

Hard copies of the City’s Consolidated Plan are available in the Building & Neighborhood Services Department, our local library and online under the Property Maintenance and Housing Tab. Staff contact is also available online.

Kathleen L. Sauseda, Housing Development Coordinator

615-550-6608

AP-10 Consultation – 91.100, 91.200(b), 91.215(l)

1. Introduction

The City of Franklin is an active participant of the Franklin Community Development and the Central Tennessee 503 Continuum of Care (COC). This agency/organization services the City of Franklin and Williamson County. City of Franklin staff are dedicated to affordable housing and community development. We consistently interact with the Franklin Housing Authority, the provider of Public Housing in the City of Franklin.

Provide a concise summary of the jurisdiction's activities to enhance coordination between public and assisted housing providers and private and governmental health, mental health and service agencies (91.215(l))

Franklin Community Development (FCD) is the lead agency the Central Tennessee 503 Continuum of Care (COC). The FCD agency believes that a healthy and balanced community is a place where everyone is welcomed. Additionally, they work to ensure all people have a safe and secure place to call home. Franklin Community Development works to provide adequate, safe, and secure housing includes fair housing, emergency housing, transitional housing, and affordable housing.

Describe coordination with the Continuum of Care and efforts to address the needs of homeless persons (particularly chronically homeless individuals and families, families with children, veterans, and unaccompanied youth) and persons at risk of homelessness.

The City is a member of the Centraltn503.org continuum of care. The Central Tennessee 503 Continuum of Care (COC) is designed to promote a community-wide commitment to the goal of ending homelessness. Central Tennessee 503 has a rooted 20-year history in Tennessee. Franklin Community Development took the leadership role as the HUD collaborative applicant in 2022. The COC seeks to provide resources for homeless people, at-risk populations, other advocates, service providers, policymakers and the public at large.

Describe consultation with the Continuum(s) of Care that serves the jurisdiction's area in determining how to allocate ESG funds, develop performance standards for and evaluate outcomes of projects and activities assisted by ESG funds, and develop funding, policies and procedures for the operation and administration of HMIS

The City of Franklin does not receive ESG funds. The Governor of Tennessee has designated the Tennessee Housing Development Agency (THDA) to administer ESG funds on behalf of the state.

2. Describe Agencies, groups, organizations and others who participated in the process and describe the jurisdiction's consultations with housing, social service agencies and other entities

Table 2 – Agencies, groups, organizations who participated

1	Agency/Group/Organization	Franklin Housing Authority
	Agency/Group/Organization Type	Housing PHA Services - Housing Services-Elderly Persons Services-Education Services-Employment
	What section of the Plan was addressed by Consultation?	Public Housing Needs
	Briefly describe how the Agency/Group/Organization was consulted. What are the anticipated outcomes of the consultation or areas for improved coordination?	The City of Franklin works consistently with our Public Housing Authority, Franklin Housing Authority (FHA), to insure safe and secure homes are available in the City. Franklin Housing Authority has completed several phases of a plan that includes added units available for the low-income community in Franklin. Over 300 families are being served in housing managed by the FHA with construction beginning in 2024 on 76 additional units. Our Section 8 voucher program is diverse. We have ten veterans accommodated through the VASH voucher program and 16 families through the Mainstream voucher program. The 19-county Homeless No More program serves another 55 families by providing housing and referrals to services to families experiencing homelessness.
2	Agency/Group/Organization	Community Housing Partnership
	Agency/Group/Organization Type	Housing
	What section of the Plan was addressed by Consultation?	Rehab and New Construction

	Briefly describe how the Agency/Group/Organization was consulted. What are the anticipated outcomes of the consultation or areas for improved coordination?	The City works closely with CHP with emergency repair or homes for our low to moderate income families, with total remodel of homes to insure they are safe, decent and clean for families and with the construction of new, deed restricted affordable homes.
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Identify any Agency Types not consulted and provide rationale for not consulting

N/A

Other local/regional/state/federal planning efforts considered when preparing the Plan

Name of Plan	Lead Organization	How do the goals of your Strategic Plan overlap with the goals of each plan?
Continuum of Care	Central Tennessee 503	

Table 3 – Other local / regional / federal planning efforts

Narrative (optional)

The non-profits all work together to provide housing and supportive services to the community's special needs populations, including persons with disabilities, homeless families and individuals, chronic homeless persons, and the elderly. The City stays in active communication with the agencies/non-profits to insure information is shared.

AP-12 Participation – 91.105, 91.200(c)

1. Summary of citizen participation process/Efforts made to broaden citizen participation Summarize citizen participation process and how it impacted goal-setting

This plan is the result of planning outreach with both the public and private sector. Many of the people participating are long time partners of the City, including subrecipient's the CDBG funds.

Additionally, we held a public hearing on Monday, March 25, 2024 which was publicized in the local newspaper, on the City calendar and the City's website.

The 30-day comment period was held from Monday, March 25, 2024 through Thursday, May 2, 2024 for the public to review and provide comments on the Annual Action Plan.

Citizen Participation Outreach

Sort Order	Mode of Outreach	Target of Outreach	Summary of response/attendance	Summary of comments received	Summary of comments not accepted and reasons	URL (If applicable)
1	Public Meeting	All residents	No one attended	No comments received	N/A	
2	City Website	All residents	No one attended	No comments received	N/A	www.cityoffranklintn.gov
3	Newspaper Ad	Residents of Public and Assisted Housing General Public	No one attended	No comments received	N/A	

Table 4 – Citizen Participation Outreach

Expected Resources

AP-15 Expected Resources – 91.220(c)(1,2)

Introduction

HUD provides annual grant on a formula basis to entitlement communities to develop viable urban communities by providing decent housing and a suitable living environment, and by expanding economic opportunities, principally for low- and moderate-income persons. Currently, the City of Franklin only receives CDBG funds.

Anticipated Resources

Program	Source of Funds	Uses of Funds	Expected Amount Available Year 1				Expected Amount Available Remainder of ConPlan \$	Narrative Description
			Annual Allocation: \$	Program Income: \$	Prior Year Resources: \$	Total: \$		
CDBG	public - federal	Acquisition Admin and Planning Economic Development Housing Public Improvements Public Services	368,000	0	0	368,000	0	CDBG funds were used for eligible activities that were approved in the 2020-2024 Consolidated Plan.

Table 5 - Expected Resources – Priority Table

Explain how federal funds will leverage those additional resources (private, state and local funds), including a description of how matching requirements will be satisfied

The funding received through the Community Development Block Grant is the only resource that supports the objectives the City has identified within this plan. The City does not receive any additional local or state funds, hence, there is no match attached.

The projects that move through the City of Franklin using CDBG funding includes continuous outreach to both the private sector and non-profit community, which is an example of in-kind support of the CDBG. Additionally, the City provides meeting space in the building for meetings that support community development within the city.

If appropriate, describe publically owned land or property located within the jurisdiction that may be used to address the needs identified in the plan

The volunteer Housing Commission and staff continue to search for buildable lots that may be obtained or re-purposed for the construction of new affordable homes. This year, in partnership, the City will work our local non-profits to assist with the construction of new, deed restricted homes within the City of Franklin, using our CDBG funding.

Discussion

The City continues to explore new opportunities to further affordable housing in the City of Franklin.

Annual Goals and Objectives

AP-20 Annual Goals and Objectives

Goals Summary Information

Sort Order	Goal Name	Start Year	End Year	Category	Geographic Area	Needs Addressed	Funding	Goal Outcome Indicator
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1	New Affordable Housing Opportunities	2020	2025	Affordable Housing	City of Franklin Priority Area Hard Bargain Neighborhood and Natchez Street	Housing Affordability Public Facilities	CDBG: \$368,000	Public Facility or Infrastructure Activities other than Low/Moderate Income Housing Benefit: 0 Persons Assisted Public Facility or Infrastructure Activities for Low/Moderate Income Housing Benefit: 50 Households Assisted Public service activities other than Low/Moderate Income Housing Benefit: 0 Persons Assisted Public service activities for Low/Moderate Income Housing Benefit: 0 Households Assisted Facade treatment/business building rehabilitation: 0 Business Brownfield acres remediated: 0 Acre Rental units constructed: 0 Household Housing Unit Rental units rehabilitated: 0 Household Housing Unit Homeowner Housing Added: 2 Household Housing Unit Direct Financial Assistance to Homebuyers: 0 Households Assisted Tenant-based rental assistance / Rapid Rehousing: 0 Households Assisted Homeless Person Overnight Shelter: 0 Persons Assisted
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Sort Order	Goal Name	Start Year	End Year	Category	Geographic Area	Needs Addressed	Funding	Goal Outcome Indicator
								Overnight/Emergency Shelter/Transitional Housing Beds added: 0 Beds Homelessness Prevention: 0 Persons Assisted Jobs created/retained: 0 Jobs Businesses assisted: 0 Businesses Assisted Housing for Homeless added: 0 Household Housing Unit Housing for People with HIV/AIDS added: 0 Household Housing Unit HIV/AIDS Housing Operations: 0 Household Housing Unit Buildings Demolished: 0 Buildings Housing Code Enforcement/Foreclosed Property Care: 0 Household Housing Unit Other: 0 Other

Table 6 – Goals Summary

Goal Descriptions

1	Goal Name	New Affordable Housing Opportunities
	Goal Description	

Annual Action Plan
2024

20

Projects

AP-35 Projects – 91.220(d)

Introduction

The City continues to have a need for affordable housing units; this is a priority for the community. The Board of Mayor and Aldermen encourages and support the production of affordable housing throughout all geographical and economic neighborhoods. Franklin will continue to put the majority of their CDBG funds into the construction of new homes or the preservation of exsisting homes. These homes will be deed restricted, affordable homes; we continue to focus on our low to moderate income neighborhoods. The City's growth has created the loss of many affordable homes and the potential for further loss is continuing as our population is increasing.

Projects

#	Project Name
1	Natchez/Granbury
2	Planning & Admin 2024

Table 7 - Project Information

Describe the reasons for allocation priorities and any obstacles to addressing underserved needs

Allocation priorities reflect the needs that were identified in the Consolidated Plan. The City continues to work on activities that have had a success rate.

Additionally, the City is working with our PHA new developments that will support LMI households.

AP-38 Project Summary
Project Summary Information

1	Project Name	Natchez/Granbury
	Target Area	Hard Bargain Neighborhood and Natchez Street
	Goals Supported	New Affordable Housing Opportunities
	Needs Addressed	Housing Affordability
	Funding	CDBG: \$45,000
	Description	Construct a single family home on the corner of Granbury and Natchez Streets.
	Target Date	4/1/2025
	Estimate the number and type of families that will benefit from the proposed activities	One low to moderate income family.
	Location Description	This is in the Historic Natchez Neighborhood.
	Planned Activities	Contract a single family, deed restricted, affordable home.
2	Project Name	Planning & Admin 2024
	Target Area	City of Franklin Priority Area
	Goals Supported	New Affordable Housing Opportunities
	Needs Addressed	Housing Affordability
	Funding	CDBG: \$73,600
	Description	Planning & Admin.
	Target Date	6/28/2025
	Estimate the number and type of families that will benefit from the proposed activities	At least one family will be assisted directly and several families will have new units in partnership with our PHA.
	Location Description	
	Planned Activities	The Admin & Planning funds supports the program(s).

AP-50 Geographic Distribution – 91.220(f)

Description of the geographic areas of the entitlement (including areas of low-income and minority concentration) where assistance will be directed

Although Community Development Block Group regulations allow grantees to target specific areas, the City of Franklin continues to make an effort to spread the funding in areas that are home to low to moderate income residents. This has been the City's policy since becoming a CDBG entitlement in the year 2007. This area includes the Hard Bargain, Natchez Street, Cadet and Hill Estate neighborhoods. The City is striving to make affordable housing available to all areas within the city.

Geographic Distribution

Target Area	Percentage of Funds
City of Franklin Priority Area	25
Hard Bargain Neighborhood and Natchez Street	75

Table 8 - Geographic Distribution

Rationale for the priorities for allocating investments geographically

The work being done within the City are in line with the priorities and goals of the Five Year Consolidated Plan. The Hard Bargain and Natchez Street Neighborhoods are the backbone neighborhoods for the African American population in Franklin. The Hard Bargain Association is working together with the residents to restore and rebuild the neighborhood into what the residents vision is for their future. The emphasis is on restoring the current community and striving to keep the neighborhood as it was when it was founded over 130 years ago.

Discussion

Affordable Housing

AP-55 Affordable Housing – 91.220(g)

Introduction

The majority of the CDBG funds received are used to support to the building of new, affordable homes for low to moderate income residents. These homes are deed restricted.

The City does partner with our Public Housing Authority (FHA) to insure there are dwellings that our residents may call home.

FHA offers housing through multiple programs including:

- Public Housing
- Section 8 Vouchers
- VASH Vouchers
- Mainstream Vouchers
- Homeless No More

Moreover, the City continues to support both staff and financial assistance to the developments of Cherokee Place and Shawnee Place. These developments will feature approximately 85 units ranging from one to three-bedroom homes.

These units are not Section 8 housing, which typically require vouchers from the U.S. Department of Housing and Urban Development. The rental rates for the new units will be comparable to the existing rent at the site.

One Year Goals for the Number of Households to be Supported	
Homeless	0
Non-Homeless	0
Special-Needs	0
Total	0

Table 9 - One Year Goals for Affordable Housing by Support Requirement

One Year Goals for the Number of Households Supported Through	
Rental Assistance	0
The Production of New Units	1

One Year Goals for the Number of Households Supported Through	
Rehab of Existing Units	0
Acquisition of Existing Units	1
Total	2

Table 10 - One Year Goals for Affordable Housing by Support Type

Discussion

AP-60 Public Housing – 91.220(h)

Introduction

The working mission of the Franklin Housing Authority is to provide more affordable housing to the City of Franklin and Williamson County. This will be done in several ways including redeveloping and adding to FHA's current public housing stock. As mentioned FHA provides homeownership programs to assist the low income families to be able to achieve homeownership goals. Moreover FHA utilizes LIHTC funds to build additional Affordable Housing above and beyond FHA's existing stock to address the need.

The City continues to work in partnership and supports the Franklin Housing Authority as they assist low-income families by providing safe, decent, affordable housing and self-sufficiency opportunities. Additionally, Franklin Housing Authority provides affordable housing to families and individuals that are burdened with low to moderate incomes.

To date the FHA has completed several phases of the plan that will add and make units available for the low-income community in Franklin. Over 300 families are being served in housing managed by the FHA with new construction on 76 additional units. The Section 8 voucher program is diverse. This program includes ten veterans accommodated through the VASH voucher program and 16 families through the Mainstream voucher program. The 19-county Homeless No More program serves another 55 families by providing housing and referrals to services to families experiencing homelessness.

Actions planned during the next year to address the needs to public housing

The Franklin Housing Authority functions as a separate entity with its own budget and support through the United States Department of Housing and Urban Development (HUD). As such, there are no direct financial needs required from the City of Franklin. However, the City does support out public housing with financial fee waivers and staff support. The construction and maintenance quality of units fall under the management of the Franklin Housing Authority; the dwellings are will maintained.

Actions to encourage public housing residents to become more involved in management and participate in homeownership

The social services department of the Franklin Housing Authority serves residents working toward homeownership, those needing to improve their job situation and those seeking resources for self-sufficiency. Staff also work with senior residents to assist them with aging in place. The FOURS Scholarship program exists to cover the gap in funding for those graduating from high school in and FHA

as they pursue a degree at a 4-year college, community college or trade school.

If the PHA is designated as troubled, describe the manner in which financial assistance will be provided or other assistance

The Franklin Housing Authority is not designated as troubled and is sufficiently capitalized to support its mission.

Discussion

AP-65 Homeless and Other Special Needs Activities – 91.220(i)

Introduction

The City actively works with the various nonprofits within the city limits regarding homelessness. Indications are there may be homeless people within the city; however, they are not visible, so we must seek them out to offer assistance. Much of the funding for homeless comes into other non-profits that are independently receiving federal funding, including:

Franklin Community Development, Homeless No More Alliance, Franklin Housing Authority and Central TN 503 Continuum of Care.

Describe the jurisdictions one-year goals and actions for reducing and ending homelessness including

Reaching out to homeless persons (especially unsheltered persons) and assessing their individual needs

The City of Franklin has limited shelter space available; however, these shelters are staffed with people who are in a unique position to assess the needs of homeless people. Outreach efforts are managed through the CoC to reduce duplication of efforts to ensure that the greatest number of persons are assisted. The agencies strive to work in coordination to assist with emergency shelters, transitional housing programs, permanent housing programs and a at risk youth shelter.

Addressing the emergency shelter and transitional housing needs of homeless persons

The City supports efforts to decrease or end homelessness in Franklin and supports the local Continuum of Care initiatives. The City of Franklin does not receive any Emergency Solutions Grant Funding; this funding is provided by the Tennessee Housing Development Agency through the State of Tennessee.

These agencies are awarded funding for essential services and operating costs. These facilities provide shelter and services to citizens in need that may include homeless families, single men and women, and survivors of domestic violence.

Helping homeless persons (especially chronically homeless individuals and families, families with children, veterans and their families, and unaccompanied youth) make the transition to

permanent housing and independent living, including shortening the period of time that individuals and families experience homelessness, facilitating access for homeless individuals and families to affordable housing units, and preventing individuals and families who were recently homeless from becoming homeless again

The City of Franklin encourages collaboration with organizations to transition as many people as possible into permanent housing as quickly as possible. Some families or individuals may require only limited assistance for a short time, such as emergency food and shelter; the City does appropriate funds on an annual basis to several agencies. Those residents that require more comprehensive and long-term assistance, such as transitional housing, supportive services and job training do have options available through the faith based community and non-profits. The City does encourage agencies to work together to eliminate duplication of effort by local agencies.

Helping low-income individuals and families avoid becoming homeless, especially extremely low-income individuals and families and those who are: being discharged from publicly funded institutions and systems of care (such as health care facilities, mental health facilities, foster care and other youth facilities, and corrections programs and institutions); or, receiving assistance from public or private agencies that address housing, health, social services, employment, education, or youth needs.

Our social agencies, non-profits and the faith based community have developed a solid system to support the above individuals and families.

The City is supportive of Bridges Domestic Violence Center which serves women, men, and their children affected by domestic violence, ensuring a safe transition to successful independent living through education, intervention, and case management. Through Bridges there is an additional program that has single family homes that are available for transitional housing for those moving from shelters.

Our social agencies, non-profits and the faith based community have developed a solid system to support the above individuals and families.

Discussion

The City of Franklin, through its CDBG funding, will continue to collaborate with service agencies to provide emergency shelter, transitional housing and permanent housing, as well as assistance to homeless individuals and those at risk of becoming homeless. The City will continue its efforts to financially support public services designed to address the root causes of homelessness and provide

interim assistance to help those affected address their daily needs.

AP-75 Barriers to affordable housing – 91.220(j)

Introduction:

The City of Franklin is an urban population city that has become a sub city of Nashville, TN. Franklin is about 21 miles south of Nashville, it is one of the principal cities of the Nashville metropolitan area and Middle Tennessee. The most current population estimate for Franklin is 83,454. It is the 7th most populous city in Tennessee.

Actions it planned to remove or ameliorate the negative effects of public policies that serve as barriers to affordable housing such as land use controls, tax policies affecting land, zoning ordinances, building codes, fees and charges, growth limitations, and policies affecting the return on residential investment

The City is currently updating its Envision Franklin guide that was adopted in 2017. Envision Franklin articulates the long-term vision that will direct future development in a way that strengthens the City and creates exceptional places for people. It is a planning document adopted and maintained by The Franklin Municipal Planning Commission.

Part of this vision will be developing a housing strategy. The goal of this will be:

- Align local housing supply more closely with housing needs
- Coordinate infrastructure with housing development
- Ensure consistency with community character support social equity and affordability

Discussion:

AP-85 Other Actions – 91.220(k)

Introduction:

The City of Franklin is committed to addressing the needs identified in the Consolidated Plan, especially affordable housing. We are working to find alternative ideas to create or save homes that will be deed restricted.

The demand for home ownership within the City of Franklin continues to rise which results in the price of homes moving in an upward trend in both Williamson County and the City of Franklin. The average price of a home in Franklin is \$312 per square foot. Additionally, Franklin has a strong economy, excellent schools and a wide variety of cultural and recreational attractions.

Actions planned to address obstacles to meeting underserved needs

Franklin will continue to partner with non-profits in meeting the needs of our underserved residents through a variety of initiatives. We will continue to care for our low to moderate income families and continue our ongoing effort to build relations within the community that can lead to bringing non-federal resources to our City.

Actions planned to foster and maintain affordable housing

The City is committed to addressing local housing, public service, and community development needs in a manner consistent with HUD's CDBG program objectives. This includes working with our partners to improve the quality of housing for low and moderate-income homeowners, increased opportunities for ownership of homes that meet HUD's definition of affordable and seek alternative funding opportunities. The City continues to strive to deliver quality, affordable homes in an efficient and cost-effective manner.

Actions planned to reduce lead-based paint hazards

The City continues to practice lead-safe practices with any subreceptents that are receiving CDBG funds.

According to the State of Tennessee Department of Health <https://www.tn.gov/health/search-results.html?q=lead+based+paint+issues+in+franklin+tn> there have been no incidents with lead-based paint. The City publicly posts the State of Tennessee information that relates to lead-safety in TN. <https://www.tn.gov/environment/toxic-substances-program/lead-hazard-program/lead->

Actions planned to reduce the number of poverty-level families

Franklin continues to use all of the CDBG funds received to further affordable housing, partner with non-profits to support rehabilitation or for public facility assistance.

The City of Franklin continues to support agency programs that provide life skills education, emergency shelter and transitional housing, home buying and foreclosure prevention counseling. We are an active partner with our non-profits.

Actions planned to develop institutional structure

The City is committed to addressing local housing, public service, and community development needs in a manner consistent with HUD's CDBG program objectives. This includes working with our partners to improve the quality of housing for low and moderate-income homeowners, increased opportunities for ownership of homes that meet HUD's definition of affordable and seek alternative funding opportunities. The City continues to strive to deliver quality, affordable homes in an efficient and cost-effective manner.

Actions planned to enhance coordination between public and private housing and social service agencies

The City of Franklin continues to be active in advocating with local agencies, community groups and non-profits regarding the greater need for affordable housing and how housing impacts the community. Additionally, we will encourage coordination among the various agencies to strengthen our development, outreach education and Realtor involvement.

Discussion:

The City is involved with a think tank that includes participants from several different cities in Middle Tennessee. A bill, SB2496 and HB2623, has been introduced to give municipalities the local option to offer voluntary incentives to reduce the cost to build attainable homes for entry level workers, young professionals and seniors.

The concept of inclusionary incentives continues to be discussed and debated. This option provides opportunities for Franklin to offer inclusionary housing so people may enjoy the benefits of living and working in their own community.

Program Specific Requirements

AP-90 Program Specific Requirements – 91.220(I)(1,2,4)

Introduction:

The City of Franklin generally reallocates all funds received from the CDBG program in the same year they are received; this has been a challenge due to the influx of residents purchasing homes for deomolition or as investments.

The City does not have a Section 108 loan, nor does it have float-funded activities or funds from urban renewal settlements.

The City continues to fund projects that support our low to moderate income residents.

Community Development Block Grant Program (CDBG)

Reference 24 CFR 91.220(I)(1)

Projects planned with all CDBG funds expected to be available during the year are identified in the Projects Table. The following identifies program income that is available for use that is included in projects to be carried out.

1. The total amount of program income that will have been received before the start of the next program year and that has not yet been reprogrammed	0
2. The amount of proceeds from section 108 loan guarantees that will be used during the year to address the priority needs and specific objectives identified in the grantee's strategic plan.	0
3. The amount of surplus funds from urban renewal settlements	0
4. The amount of any grant funds returned to the line of credit for which the planned use has not been included in a prior statement or plan	0
5. The amount of income from float-funded activities	0
Total Program Income:	0

Other CDBG Requirements

1. The amount of urgent need activities	0
2. The estimated percentage of CDBG funds that will be used for activities that benefit persons of low and moderate income. Overall Benefit - A consecutive period of one, two or three years may be used to determine that a minimum overall benefit of 70% of CDBG funds is used to benefit persons of low and moderate income. Specify the years covered that include this Annual Action Plan.	100.00%

The City of Franklin uses all of its CDBG funds to support low to moderate income residents.



THE CITY OF FRANKLIN, TENNESSEE
FIFTH YEAR ANNUAL ACTION PLAN
FROM THE FIVE-YEAR
CONSOLIDATED PLAN OF 2020-2025



Executive Summary

AP-05 Executive Summary - 24 CFR 91.200(c), 91.220(b)

1. Introduction

This Annual Plan covers the 2024 program year and completes the 2020-2025 Consolidated Plan that was submitted and approved by The Department of Housing and Urban Development.

The Five-Year Consolidated Plan serves as a planning document for the City of Franklin, Tennessee. This plan is designed to allocate the funds received from the Community Development Block Grant toward affordable housing and community development.

The Annual Action Plan provides a summary of the actions, activities and funding sources that will be used each year to support the specific goals identified by the Five-Year Consolidated Plan.

The City of Franklin continues to support our local non-profits in their endeavors to bring and keep affordable housing within the City of Franklin. This includes working with all four of our non-profits to develop deed restricted, affordable homes to the City. As the population of Franklin continues to grow, housing prices are increasing, and people are being pushed out of the place they have called home their entire lives. Furthermore, we have the children of these homeowners returning from college only to find themselves priced out of a home in their hometown.

The City of Franklin's Board of Mayor and Aldermen recognize the value of a diverse connected community. The City of Franklin will continue to strive to keep vibrant neighborhoods that will embrace all the current and new residents coming to our City.

2. Summarize the objectives and outcomes identified in the Plan

This could be a restatement of items or a table listed elsewhere in the plan or a reference to another location. It may also contain any essential items from the housing and homeless needs assessment, the housing market analysis or the strategic plan.

The City continues to create strategies to meet the need for affordable housing within the City. This year will see the completion of Cherokee Place Family Housing that is being funded, in part, using the City of Franklin, CDBG funds. Additionally, the City will use funds to support land acquisition, as it becomes available, and fund public facilities including repair or replacement of infrastructure, sidewalks and sewers.

Housing Information as of February 2024						
Property	Total # of Units	# of Vacancies	30% AMI or less	50% AMI or less	60% AMI or less	80% AMI or less
Chickasaw Senior	48	2	0	10	0	38
Reddick Senior & Grandbury	48	0	0	5	0	43
Reddick Family, Battlement & Carter	64	1	0	13	29	22
Spring St./Johnson Cir.	64	1	8	0	22	42
Harpeh Homes	34	3	34	0	0	0
Park Street	22	2	0	12	0	10
Short Court/Natchez 8	24	12	24	0	0	0
Shawnee	36	36	0	4	32	0
Natchez	16	1	5	5	1	4
Cherokee Place	76	N/A	0	20	56	0
including Conv., Dev. & Const.	296	10				
Notes: Vacancy: Currently being prepared for a RAD Conversion. Residents are transferring to other housing units and Cherokee Place Apartments once available.						
Vacancy: In development. Proper demo'd. Residents have been transferred to other housing units.						
Under Construction						

Waiting List Info as of February 2024 – Site Specific Wait List			
Community	Total # of Households on Property Specific Wait List	# of Elderly	Notes
Chickasaw Senior Community	47	47	Due to Fair Housing, FHA doesn't inquire about need for special accommodations or specific income level until prospective residents fill out an application to qualify. The only demographic information we have for wait lists is regarding our senior communities.
Reddick Senior & Grandbury	90	90	
Reddick Family, Battlement & Carter	0	N/A	
Spring St./Johnson Cir.	0	N/A	
Harpeh Homes/Public Housing	40	10	
Park Street	49	10	
Short Court/Natchez 8	Prep for RAD Conversion		
Shawnee	In Development		
Natchez	0	0	
Cherokee	Under Construction		
Total	226	157	

Ethnicity of Served Households as of February 2024					
Community	African American	Caucasian	Hispanic	Native American	
Chickasaw Senior Community	87.00%	11.00%	2.00%	0.00%	
Reddick Senior & Grandbury	86.00%	13.00%	1.00%	0.00%	
Reddick Family, Battlement & Carter	71.00%	23.00%	5.00%	1.00%	
Spring St./Johnson Cir.	88.00%	8.00%	4.00%	0.00%	
Harpeh Homes/Public Housing	84.00%	16.00%	0.00%	0.00%	
Park Street	74.00%	26.00%	0.00%	0.00%	
Short Court/Natchez 8	Prep for RAD Conversion				
Shawnee	In Development				
Natchez	100.00%	0.00%	0.00%	0.00%	
Cherokee	Under Construction				

FHA 2024

3. Evaluation of past performance

This is an evaluation of past performance that helped lead the grantee to choose its goals or projects.

The City of Franklin's 2020-2025 Consolidated Plan identified availability and affordable housing as the number one priority for the CDBG funds annual allocation. Additionally, we worked to improve the neighborhoods of our low to moderate income residents and assist with rehabilitation of existing homes.

The City continues to have success with its identified CDBG activities, including the rehabilitation program, partnering with qualified non-profits, and offering assistance with public facilities. Additionally, the city waived all impact fees for our local PHA to assist construction costs for the Cherokee Community. This dwelling will consist of seventy-six new units that will house low to moderate income residents.

4. Summary of Citizen Participation Process and consultation process

Summary from citizen participation section of plan.

During the 2024 Annual Action Plan preparation, a Public Review Meeting was held on Monday, March 25, 2024, to obtain comments on the current Annual Action Plan draft and funding recommendations for the CDBG Program. A 30-day comment period was held from Monday, March 25, 2024, through Thursday, May 2, 2024, for the public to review and provide comments on the Annual Action Plan. The plan was available for review in hard copy in City Hall at the Building & Neighborhood Department and on the City's website:

<https://www.franklintn.gov/government/departments-a-j/building-and-neighborhood-services/department-operations/housing-commission>

5. Summary of public comments

This could be a brief narrative summary or reference an attached document from the Citizen Participation section of the Con Plan.

No one showed for the public meeting.

6. Summary of comments or views not accepted and the reasons for not accepting them

There were no comments or views that were not accepted.

7. Summary

The City continues to work within the community to further affordable housing. Housing in Franklin is being measured more as a response to a complex set of economic, social and financial reflexes that the City continues to experience. This includes Franklin being consistently ranked as one of the best places to live in the United States by publications such as BestPlaces, CNN Money, and USA Today.

PR-05 Lead & Responsible Agencies – 91.200(b)

1. Agency/entity responsible for preparing/administering the Consolidated Plan

Describe the agency/entity responsible for preparing the Consolidated Plan and those responsible for administration of each grant program and funding source.

Agency Role	Name	Department/Agency
CDBG Administrator	FRANKLIN	Building and Neighborhood Services

Table 1 – Responsible Agencies

Narrative (optional)

The City of Franklin has a dedicated staff person who is solely responsible for preparing the Consolidated Plan, the Annual Action Plan, and the Consolidated Annual Performance Evaluation Report.

The Housing Development Coordinator administers the Community Development Block Grant (CDBG) funds received from the U.S. Department of Housing and Urban Development (HUD), and coordinates execution of projects related to the priorities and goals identified in the Consolidated Plan.

Consolidated Plan Public Contact Information

Hard copies of the City’s Consolidated Plan are available in the Building & Neighborhood Services Department, our local library and online under the Property Maintenance and Housing Tab. Staff contact is also available online.

Kathleen L. Sauseda, Housing Development Coordinator

615-550-6608

AP-10 Consultation – 91.100, 91.200(b), 91.215(l)

1. Introduction

The City of Franklin is an active participant of the Franklin Community Development and the Central Tennessee 503 Continuum of Care (COC). This agency/organization services the City of Franklin and Williamson County. City of Franklin staff are dedicated to affordable housing and community development. We consistently interact with the Franklin Housing Authority, the provider of Public Housing in the City of Franklin.

Provide a concise summary of the jurisdiction's activities to enhance coordination between public and assisted housing providers and private and governmental health, mental health and service agencies (91.215(l))

Franklin Community Development (FCD) is the lead agency the Central Tennessee 503 Continuum of Care (COC). The FCD agency believes that a healthy and balanced community is a place where everyone is welcomed. Additionally, they work to ensure all people have a safe and secure place to call home. Franklin Community Development works to provide adequate, safe, and secure housing includes fair housing, emergency housing, transitional housing, and affordable housing.

Describe coordination with the Continuum of Care and efforts to address the needs of homeless persons (particularly chronically homeless individuals and families, families with children, veterans, and unaccompanied youth) and persons at risk of homelessness.

The City is a member of the Centraltn503.org continuum of care. The Central Tennessee 503 Continuum of Care (COC) is designed to promote a community-wide commitment to the goal of ending homelessness. Central Tennessee 503 has a rooted 20-year history in Tennessee. Franklin Community Development took the leadership role as the HUD collaborative applicant in 2022. The COC seeks to provide resources for homeless people, at-risk populations, other advocates, service providers, policymakers and the public at large.

Describe consultation with the Continuum(s) of Care that serves the jurisdiction's area in determining how to allocate ESG funds, develop performance standards for and evaluate outcomes of projects and activities assisted by ESG funds, and develop funding, policies and procedures for the operation and administration of HMIS

The City of Franklin does not receive ESG funds. The Governor of Tennessee has designated the Tennessee Housing Development Agency (THDA) to administer ESG funds on behalf of the state.

2. Describe Agencies, groups, organizations and others who participated in the process and describe the jurisdiction's consultations with housing, social service agencies and other entities

Table 2 – Agencies, groups, organizations who participated

1	Agency/Group/Organization	Franklin Housing Authority
	Agency/Group/Organization Type	Housing PHA Services - Housing Services-Elderly Persons Services-Education Services-Employment
	What section of the Plan was addressed by Consultation?	Public Housing Needs
	Briefly describe how the Agency/Group/Organization was consulted. What are the anticipated outcomes of the consultation or areas for improved coordination?	The City of Franklin works consistently with our Public Housing Authority, Franklin Housing Authority (FHA), to insure safe and secure homes are available in the City. Franklin Housing Authority has completed several phases of a plan that includes added units available for the low-income community in Franklin. Over 300 families are being served in housing managed by the FHA with construction beginning in 2024 on 76 additional units. Our Section 8 voucher program is diverse. We have ten veterans accommodated through the VASH voucher program and 16 families through the Mainstream voucher program. The 19-county Homeless No More program serves another 55 families by providing housing and referrals to services to families experiencing homelessness.
2	Agency/Group/Organization	Community Housing Partnership
	Agency/Group/Organization Type	Housing
	What section of the Plan was addressed by Consultation?	Rehab and New Construction

	Briefly describe how the Agency/Group/Organization was consulted. What are the anticipated outcomes of the consultation or areas for improved coordination?	The City works closely with CHP with emergency repair or homes for our low to moderate income families, with total remodel of homes to insure they are safe, decent and clean for families and with the construction of new, deed restricted affordable homes.
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Identify any Agency Types not consulted and provide rationale for not consulting

N/A

Other local/regional/state/federal planning efforts considered when preparing the Plan

Name of Plan	Lead Organization	How do the goals of your Strategic Plan overlap with the goals of each plan?
Continuum of Care	Central Tennessee 503	

Table 3 – Other local / regional / federal planning efforts

Narrative (optional)

The non-profits all work together to provide housing and supportive services to the community's special needs populations, including persons with disabilities, homeless families and individuals, chronic homeless persons, and the elderly. The City stays in active communication with the agencies/non-profits to ensure information is shared.

AP-12 Participation – 91.105, 91.200(c)

1. Summary of citizen participation process/Efforts made to broaden citizen participation Summarize citizen participation process and how it impacted goal-setting

This plan is the result of planning outreach with both the public and private sector. Many of the people participating are long time partners of the City, including subrecipient's the CDBG funds.

Additionally, we held a public hearing on Monday, March 25, 2024, which was publicized in the local newspaper, on the City calendar and the City's website.

The 30-day comment period was held from Monday, March 25, 2024, through Thursday, May 2, 2024 for the public to review and provide comments on the Annual Action Plan.

Citizen Participation Outreach

Sort Order	Mode of Outreach	Target of Outreach	Summary of response/attendance	Summary of comments received	Summary of comments not accepted and reasons	URL (If applicable)
1	Public Meeting	All residents	No one attended	No comments received	N/A	
2	City Website	All residents	No one attended	No comments received	N/A	www.cityoffranklintn.gov
3	Newspaper Ad	Residents of Public and Assisted Housing General Public	No one attended	No comments received	N/A	

Table 4 – Citizen Participation Outreach

Expected Resources

AP-15 Expected Resources – 91.220(c)(1,2)

Introduction

HUD provides annual grant on a formula basis to entitlement communities to develop viable urban communities by providing decent housing and a suitable living environment, and by expanding economic opportunities, principally for low- and moderate-income persons. Currently, the City of Franklin only receives CDBG funds.

Anticipated Resources

Program	Source of Funds	Uses of Funds	Expected Amount Available Year 1				Expected Amount Available Remainder of ConPlan \$	Narrative Description
			Annual Allocation: \$	Program Income: \$	Prior Year Resources: \$	Total: \$		
CDBG	public - federal	Acquisition Admin and Planning Economic Development Housing Public Improvements Public Services	368,000	0	0	368,000	0	CDBG funds were used for eligible activities that were approved in the 2020-2024 Consolidated Plan.

Table 5 - Expected Resources – Priority Table

Explain how federal funds will leverage those additional resources (private, state and local funds), including a description of how matching requirements will be satisfied

The funding received through the Community Development Block Grant is the only resource that supports the objectives the City has identified within this plan. The City does not receive any additional local or state funds, hence, there is no match attached.

The projects that move through the City of Franklin using CDBG funding includes continuous outreach to both the private sector and non-profit community, which is an example of in-kind support of the CDBG. Additionally, the City provides meeting space in the building for meetings that support community development within the city.

If appropriate, describe publically owned land or property located within the jurisdiction that may be used to address the needs identified in the plan

The volunteer Housing Commission and staff continue to search for buildable lots that may be obtained or re-purposed for the construction of new affordable homes. This year, in partnership, the City will work our local non-profits to assist with the construction of new, deed restricted homes within the City of Franklin, using our CDBG funding.

Discussion

The City continues to explore new opportunities to further affordable housing in the City of Franklin.

Annual Goals and Objectives

AP-20 Annual Goals and Objectives

Goals Summary Information

Sort Order	Goal Name	Start Year	End Year	Category	Geographic Area	Needs Addressed	Funding	Goal Outcome Indicator
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1	New Affordable Housing Opportunities	2020	2025	Affordable Housing	City of Franklin Priority Area Hard Bargain Neighborhood and Natchez Street	Housing Affordability Public Facilities	CDBG: \$368,000	Public Facility or Infrastructure Activities other than Low/Moderate Income Housing Benefit: 0 Persons Assisted Public Facility or Infrastructure Activities for Low/Moderate Income Housing Benefit: 50 Households Assisted Public service activities other than Low/Moderate Income Housing Benefit: 0 Persons Assisted Public service activities for Low/Moderate Income Housing Benefit: 0 Households Assisted Facade treatment/business building rehabilitation: 0 Business Brownfield acres remediated: 0 Acre Rental units constructed: 0 Household Housing Unit Rental units rehabilitated: 0 Household Housing Unit Homeowner Housing Added: 2 Household Housing Unit Direct Financial Assistance to Homebuyers: 0 Households Assisted Tenant-based rental assistance / Rapid Rehousing: 0 Households Assisted Homeless Person Overnight Shelter: 0 Persons Assisted
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Sort Order	Goal Name	Start Year	End Year	Category	Geographic Area	Needs Addressed	Funding	Goal Outcome Indicator
								Overnight/Emergency Shelter/Transitional Housing Beds added: 0 Beds Homelessness Prevention: 0 Persons Assisted Jobs created/retained: 0 Jobs Businesses assisted: 0 Businesses Assisted Housing for Homeless added: 0 Household Housing Unit Housing for People with HIV/AIDS added: 0 Household Housing Unit HIV/AIDS Housing Operations: 0 Household Housing Unit Buildings Demolished: 0 Buildings Housing Code Enforcement/Foreclosed Property Care: 0 Household Housing Unit Other: 0 Other

Table 6 – Goals Summary

Goal Descriptions

1	Goal Name	New Affordable Housing Opportunities
	Goal Description	

Annual Action Plan
2024

20

Projects

AP-35 Projects – 91.220(d)

Introduction

The City continues to have a need for affordable housing units; this is a priority for the community. The Board of Mayor and Aldermen encourages and support the production of affordable housing throughout all geographical and economic neighborhoods. Franklin will continue to put the majority of their CDBG funds into the construction of new homes or the preservation of exsisting homes. These homes will be deed restricted, affordable homes; we continue to focus on our low to moderate income neighborhoods. The City's growth has created the loss of many affordable homes and the potential for further loss is continuing as our population is increasing.

Projects

#	Project Name
1	Natchez/Granbury
2	Planning & Admin 2024

Table 7 - Project Information

Describe the reasons for allocation priorities and any obstacles to addressing underserved needs

Allocation priorities reflect the needs that were identified in the Consolidated Plan. The City continues to work on activities that have had a success rate.

Additionally, the City is working with our PHA new developments that will support LMI households.

AP-38 Project Summary
Project Summary Information

1	Project Name	Natchez/Granbury
	Target Area	Hard Bargain Neighborhood and Natchez Street
	Goals Supported	New Affordable Housing Opportunities
	Needs Addressed	Housing Affordability
	Funding	CDBG: \$45,000
	Description	Construct a single-family home on the corner of Granbury and Natchez Streets.
	Target Date	4/1/2025
	Estimate the number and type of families that will benefit from the proposed activities	One low to moderate income family.
	Location Description	This is in the Historic Natchez Neighborhood.
	Planned Activities	Contract a single family, deed restricted, affordable home.
2	Project Name	Planning & Admin 2024
	Target Area	City of Franklin Priority Area
	Goals Supported	New Affordable Housing Opportunities
	Needs Addressed	Housing Affordability
	Funding	CDBG: \$73,600
	Description	Planning & Admin.
	Target Date	6/28/2025
	Estimate the number and type of families that will benefit from the proposed activities	At least one family will be assisted directly, and several families will have new units in partnership with our PHA.
	Location Description	
	Planned Activities	The Admin & Planning funds supports the program(s).

AP-50 Geographic Distribution – 91.220(f)

Description of the geographic areas of the entitlement (including areas of low-income and minority concentration) where assistance will be directed

Although Community Development Block Group regulations allow grantees to target specific areas, the City of Franklin continues to make an effort to spread the funding in areas that are home to low to moderate income residents. This has been the City's policy since becoming a CDBG entitlement in the year 2007. This area includes the Hard Bargain, Natchez Street, Cadet and Hill Estate neighborhoods. The City is striving to make affordable housing available to all areas within the city.

Geographic Distribution

Target Area	Percentage of Funds
City of Franklin Priority Area	25
Hard Bargain Neighborhood and Natchez Street	75

Table 8 - Geographic Distribution

Rationale for the priorities for allocating investments geographically

The work being done within the City are in line with the priorities and goals of the Five-Year Consolidated Plan. The Hard Bargain and Natchez Street Neighborhoods are the backbone neighborhoods for the African American population in Franklin. The Hard Bargain Association is working together with the residents to restore and rebuild the neighborhood into what the residents' vision is for their future. The emphasis is on restoring the current community and striving to keep the neighborhood as it was when it was founded over 130 years ago.

Discussion

Affordable Housing

AP-55 Affordable Housing – 91.220(g)

Introduction

The majority of the CDBG funds received are used to support to the building of new, affordable homes for low to moderate income residents. These homes are deed restricted.

The City does partner with our Public Housing Authority (FHA) to insure there are dwellings that our residents may call home.

FHA offers housing through multiple programs including:

- Public Housing
- Section 8 Vouchers
- VASH Vouchers
- Mainstream Vouchers
- Homeless No More

Moreover, the City continues to support both staff and financial assistance to the developments of Cherokee Place and Shawnee Place. These developments will feature approximately 85 units ranging from one to three-bedroom homes.

These units are not Section 8 housing, which typically require vouchers from the U.S. Department of Housing and Urban Development. The rental rates for the new units will be comparable to the existing rent at the site.

One Year Goals for the Number of Households to be Supported	
Homeless	0
Non-Homeless	0
Special-Needs	0
Total	0

Table 9 - One Year Goals for Affordable Housing by Support Requirement

One Year Goals for the Number of Households Supported Through	
Rental Assistance	0
The Production of New Units	1

One Year Goals for the Number of Households Supported Through	
Rehab of Existing Units	0
Acquisition of Existing Units	1
Total	2

Table 10 - One Year Goals for Affordable Housing by Support Type

Discussion

AP-60 Public Housing – 91.220(h)

Introduction

The working mission of the Franklin Housing Authority is to provide more affordable housing to the City of Franklin and Williamson County. This will be done in several ways including redeveloping and adding to FHA's current public housing stock. As mentioned, FHA provides homeownership programs to assist the low-income families to be able to achieve homeownership goals. Moreover, FHA utilizes LIHTC funds to build additional Affordable Housing above and beyond FHA's existing stock to address the need.

The City continues to work in partnership and supports the Franklin Housing Authority as they assist low-income families by providing safe, decent, affordable housing and self-sufficiency opportunities. Additionally, Franklin Housing Authority provides affordable housing to families and individuals that are burdened with low to moderate incomes.

To date the FHA has completed several phases of the plan that will add and make units available for the low-income community in Franklin. Over 300 families are being served in housing managed by the FHA with new construction on 76 additional units. The Section 8 voucher program is diverse. This program includes ten veterans accommodated through the VASH voucher program and 16 families through the Mainstream voucher program. The 19-county Homeless No More program serves another 55 families by providing housing and referrals to services to families experiencing homelessness.

Actions planned during the next year to address the needs to public housing

The Franklin Housing Authority functions as a separate entity with its own budget and support through the United States Department of Housing and Urban Development (HUD). As such, there are no direct financial needs required from the City of Franklin. However, the City does support out public housing with financial fee waivers and staff support. The construction and maintenance quality of units fall under the management of the Franklin Housing Authority; the dwellings are well maintained.

Actions to encourage public housing residents to become more involved in management and participate in homeownership

The social services department of the Franklin Housing Authority serves residents working toward homeownership, those needing to improve their job situation and those seeking resources for self-sufficiency. Staff also work with senior residents to assist them with aging in place. The FOURS Scholarship program exists to cover the gap in funding for those graduating from high school in and FHA

as they pursue a degree at a 4-year college, community college or trade school.

If the PHA is designated as troubled, describe the manner in which financial assistance will be provided or other assistance

The Franklin Housing Authority is not designated as troubled and is sufficiently capitalized to support its mission.

Discussion

AP-65 Homeless and Other Special Needs Activities – 91.220(i)

Introduction

The City actively works with the various nonprofits within the city limits regarding homelessness. Indications are there may be homeless people within the city; however, they are not visible, so we must seek them out to offer assistance. Much of the funding for homeless comes into other non-profits that are independently receiving federal funding, including:

Franklin Community Development, Homeless No More Alliance, Franklin Housing Authority and Central TN 503 Continuum of Care.

Describe the jurisdictions one-year goals and actions for reducing and ending homelessness including

Reaching out to homeless persons (especially unsheltered persons) and assessing their individual needs

The City of Franklin has limited shelter space available; however, these shelters are staffed with people who are in a unique position to assess the needs of homeless people. Outreach efforts are managed through the CoC to reduce duplication of efforts to ensure that the greatest number of persons are assisted. The agencies strive to work in coordination to assist with emergency shelters, transitional housing programs, permanent housing programs and a at risk youth shelter.

Addressing the emergency shelter and transitional housing needs of homeless persons

The City supports efforts to decrease or end homelessness in Franklin and supports the local Continuum of Care initiatives. The City of Franklin does not receive any Emergency Solutions Grant Funding; this funding is provided by the Tennessee Housing Development Agency through the State of Tennessee.

These agencies are awarded funding for essential services and operating costs. These facilities provide shelter and services to citizens in need that may include homeless families, single men and women, and survivors of domestic violence.

Helping homeless persons (especially chronically homeless individuals and families, families with children, veterans and their families, and unaccompanied youth) make the transition to

permanent housing and independent living, including shortening the period of time that individuals and families experience homelessness, facilitating access for homeless individuals and families to affordable housing units, and preventing individuals and families who were recently homeless from becoming homeless again

The City of Franklin encourages collaboration with organizations to transition as many people as possible into permanent housing as quickly as possible. Some families or individuals may require only limited assistance for a short time, such as emergency food and shelter; the City does appropriate funds on an annual basis to several agencies. Those residents that require more comprehensive and long-term assistance, such as transitional housing, supportive services and job training do have options available through the faith-based community and non-profits. The City does encourage agencies to work together to eliminate duplication of effort by local agencies.

Helping low-income individuals and families avoid becoming homeless, especially extremely low-income individuals and families and those who are: being discharged from publicly funded institutions and systems of care (such as health care facilities, mental health facilities, foster care and other youth facilities, and corrections programs and institutions); or, receiving assistance from public or private agencies that address housing, health, social services, employment, education, or youth needs.

Our social agencies, non-profits and the faith-based community have developed a solid system to support the above individuals and families.

The City is supportive of Bridges Domestic Violence Center which serves women, men, and their children affected by domestic violence, ensuring a safe transition to successful independent living through education, intervention, and case management. Through Bridges there is an additional program that has single family homes that are available for transitional housing for those moving from shelters.

Our social agencies, non-profits and the faith-based community have developed a solid system to support the above individuals and families.

Discussion

The City of Franklin, through its CDBG funding, will continue to collaborate with service agencies to provide emergency shelter, transitional housing and permanent housing, as well as assistance to homeless individuals and those at risk of becoming homeless. The City will continue its efforts to financially support public services designed to address the root causes of homelessness and provide

interim assistance to help those affected address their daily needs.

AP-75 Barriers to affordable housing – 91.220(j)

Introduction:

The City of Franklin is an urban population city that has become a sub city of Nashville, TN. Franklin is about 21 miles south of Nashville, it is one of the principal cities of the Nashville metropolitan area and Middle Tennessee. The most current population estimate for Franklin is 83,454. It is the 7th most populous city in Tennessee.

Actions it planned to remove or ameliorate the negative effects of public policies that serve as barriers to affordable housing such as land use controls, tax policies affecting land, zoning ordinances, building codes, fees and charges, growth limitations, and policies affecting the return on residential investment

The City is currently updating its Envision Franklin guide that was adopted in 2017. Envision Franklin articulates the long-term vision that will direct future development in a way that strengthens the City and creates exceptional places for people. It is a planning document adopted and maintained by The Franklin Municipal Planning Commission.

Part of this vision will be developing a housing strategy. The goal of this will be:

- Align local housing supply more closely with housing needs
- Coordinate infrastructure with housing development
- Ensure consistency with community character support social equity and affordability

Discussion:

AP-85 Other Actions – 91.220(k)

Introduction:

The City of Franklin is committed to addressing the needs identified in the Consolidated Plan, especially affordable housing. We are working to find alternative ideas to create or save homes that will be deed restricted.

The demand for home ownership within the City of Franklin continues to rise which results in the price of homes moving in an upward trend in both Williamson County and the City of Franklin. The average price of a home in Franklin is \$312 per square foot. Additionally, Franklin has a strong economy, excellent schools and a wide variety of cultural and recreational attractions.

Actions planned to address obstacles to meeting underserved needs

Franklin will continue to partner with non-profits in meeting the needs of our underserved residents through a variety of initiatives. We will continue to care for our low to moderate income families and continue our ongoing effort to build relations within the community that can lead to bringing non-federal resources to our City.

Actions planned to foster and maintain affordable housing

The City is committed to addressing local housing, public service, and community development needs in a manner consistent with HUD's CDBG program objectives. This includes working with our partners to improve the quality of housing for low and moderate-income homeowners, increased opportunities for ownership of homes that meet HUD's definition of affordable and seek alternative funding opportunities. The City continues to strive to deliver quality, affordable homes in an efficient and cost-effective manner.

Actions planned to reduce lead-based paint hazards

The City continues to practice lead-safe practices with any subrecipients that are receiving CDBG funds.

According to the State of Tennessee Department of Health <https://www.tn.gov/health/search-results.html?q=lead+based+paint+issues+in+franklin+tn> there have been no incidents with lead-based paint. The City publicly posts the State of Tennessee information that relates to lead-safety in TN. <https://www.tn.gov/environment/toxic-substances-program/lead-hazard-program/lead->

Actions planned to reduce the number of poverty-level families

Franklin continues to use all of the CDBG funds received to further affordable housing, partner with non-profits to support rehabilitation or for public facility assistance.

The City of Franklin continues to support agency programs that provide life skills education, emergency shelter and transitional housing, home buying and foreclosure prevention counseling. We are an active partner with our non-profits.

Actions planned to develop institutional structure

The City is committed to addressing local housing, public service, and community development needs in a manner consistent with HUD's CDBG program objectives. This includes working with our partners to improve the quality of housing for low and moderate-income homeowners, increased opportunities for ownership of homes that meet HUD's definition of affordable and seek alternative funding opportunities. The City continues to strive to deliver quality, affordable homes in an efficient and cost-effective manner.

Actions planned to enhance coordination between public and private housing and social service agencies

The City of Franklin continues to be active in advocating with local agencies, community groups and non-profits regarding the greater need for affordable housing and how housing impacts the community. Additionally, we will encourage coordination among the various agencies to strengthen our development, outreach education and Realtor involvement.

Discussion:

The City is involved with a think tank that includes participants from several different cities in Middle Tennessee. A bill, SB2496 and HB2623, has been introduced to give municipalities the local option to offer voluntary incentives to reduce the cost to build attainable homes for entry level workers, young professionals and seniors.

The concept of inclusionary incentives continues to be discussed and debated. This option provides opportunities for Franklin to offer inclusionary housing so people may enjoy the benefits of living and working in their own community.

Program Specific Requirements

AP-90 Program Specific Requirements – 91.220(I)(1,2,4)

Introduction:

The City of Franklin generally reallocates all funds received from the CDBG program in the same year they are received; this has been a challenge due to the influx of residents purchasing homes for demolition or as investments.

The City does not have a Section 108 loan, nor does it have float-funded activities or funds from urban renewal settlements.

The City continues to fund projects that support our low to moderate income residents.

Community Development Block Grant Program (CDBG)

Reference 24 CFR 91.220(I)(1)

Projects planned with all CDBG funds expected to be available during the year are identified in the Projects Table. The following identifies program income that is available for use that is included in projects to be carried out.

1. The total amount of program income that will have been received before the start of the next program year and that has not yet been reprogrammed	0
2. The amount of proceeds from section 108 loan guarantees that will be used during the year to address the priority needs and specific objectives identified in the grantee's strategic plan.	0
3. The amount of surplus funds from urban renewal settlements	0
4. The amount of any grant funds returned to the line of credit for which the planned use has not been included in a prior statement or plan	0
5. The amount of income from float-funded activities	0
Total Program Income:	0

Other CDBG Requirements

1. The amount of urgent need activities	0
2. The estimated percentage of CDBG funds that will be used for activities that benefit persons of low and moderate income. Overall Benefit - A consecutive period of one, two or three years may be used to determine that a minimum overall benefit of 70% of CDBG funds is used to benefit persons of low and moderate income. Specify the years covered that include this Annual Action Plan.	100.00%

The City of Franklin uses all of its CDBG funds to support low to moderate income residents.



City of Franklin, Tennessee

Fire Department Compensation

Background

- In 2022 as a part of the development of the FY23 Budget, the City of Franklin made significant investment to enhance our compensation plan to be highly competitive in the market.
- The City invested over \$8 million in pay adjustments with 79% of City team members having their pay grade increased.
- In addition, the City invested another \$1.3 million in 2023 to help address pay compression concerns across the organization.
- These pay adjustments were particularly impactful in public safety (Police and Fire) where more than half of these investments in compensation were made.
- As a part of the FY24 Budget, the City invested around \$225,000 in June 2023 to address the market position of Engineers and Lieutenants within Fire Department. This helped address compression as well as changes to pay structure to incentivize promotion to Lieutenant.
- Over the past 18 months, the overall labor market has become more competitive, especially in the area of public safety. The City of Franklin is conducting a compensation market review of public safety pay with the goal of identifying options to ensure Franklin is highly competitive in attracting and retaining talented, dedicated team members.

Background Continued

- In June 2023, 70 Fire Department personnel (6 ranks/positions) received around \$225,000 in salary adjustments to address incentive to promote and target them closer to market. These changes included:
 - Fire Engineer moved from pay grade G to pay grade H with 3% increase to base pay.
 - Fire Inspector, Fire Info Systems Analyst, Fire Life & Safety Educator moved from pay grade H to pay grade I with 3% increase to base pay.
 - Fire Lieutenant moved from pay grade H to pay grade I with \$6,700 adjustment to base pay.
 - Fire Lieutenant starting rate changed from the minimum of the grade (\$76,453) to the 1st quartile (\$83,199).
 - The 4 Fire Captains making less than the highest Fire Lieutenants increased by \$7,700 to keep separation between the ranks.

Background Continued

Test Window	Posting Type	Applications	Attended Testing	% of Applications Attended	On Final Cert List	% of Attendees on Cert List	Notes
November 2023	Lateral Only	37	11	30%	10	91%	Testing between holidays likely impacted turnout
July 2023	Lateral Only	30	14	47%	11	79%	
January 2023	Lateral Only	53	16	30%	14	88%	Pre-screening applications began
January 2022	Entry Level & Up	170	78	46%	24	31%	Requirements for lateral increased
September 2021	Lateral Only	40	19	48%	9	47%	
March 2021	Entry Level & Up	281	99	35%	16	16%	79% of attendees disqualified by interview panel
February 2020	Entry Level & Up	252	118	47%	45	38%	
June 2019	Entry Level & Up	187	90	48%	25	28%	
June 2018	Entry Level & Up	232	104	45%	35	34%	
June 2017	Entry Level & Up	255	123	48%	54	44%	
June 2016	Entry Level & Up	255	118	46%	37	31%	
May 2015	Entry Level & Up	259	93	36%	36	39%	
October 2015	Entry Level & Up	148	97	66%	39	40%	
July 2014	Entry Level & Up	159	68	43%	60	88%	
July 2013	Entry Level & Up	198	73	37%	63	86%	
May 2012	Entry Level & Up	138	87	63%	20	23%	

Background Continued

Turnover Statistics

Year	Type of Turnover	Turnover Rate
2020	Overall	2.30%
2020	Voluntary Resignation*	0%
2021	Overall	4%
2021	Voluntary Resignation*	3.40%
2022	Overall	9.10%
2022	Voluntary Resignation*	4.50%
2023	Overall	6.90%
2023	Voluntary Resignation*	2.70%

* - Does not include retirements.

Exit Interview Data

33% of Fire exit interview respondents indicated pay was a factor in leaving (PD 46%)

Overview of Fire Department Pay Structure

Classification/Position	Minimum Requirements	Starting Base Salary
Entry Level/Fire Cadet	No experience or certifications required	\$47,729
Lateral/Firefighter	- Firefighter I AND Firefighter II - EMT or above - Completion of 320-hour academy	\$53,695
Entry Level/Cadet upon completion of Firefighter requirements	- Firefighter I AND Firefighter II - EMT or above - Completion of 320-hour academy	Minimum of grade (\$53,695) or 5% (whichever is greater)

Pay Stipends

- **Paramedic:** \$11,500 and counts towards OT for all Fire positions
- **AEMT:** \$5,000 and counts towards OT for all Fire positions



City of Franklin, Tennessee

Current Compensation Data



City of Franklin, Tennessee

Current Pay Structure Data – 75th Percentile

Position	75th Percentile Market Rate	Structure Index
Fire Cadet	\$48,293	99%
Firefighter	\$56,062	113%
Fire Engineer	\$81,505	98%
Fire Lieutenant	\$84,830	106%
Fire Captain	\$97,381	103%
Battalion Chief	\$106,206	104%

**Structure Index: Pay range median divided by market rate (how our base pay structure compares to the market)*

***Takeaway: The current pay structure is at or above market when targeting the current 75th percentile goal*

City of Franklin, Tennessee

Current Pay Structure Data – 90th Percentile

Position	90th Percentile (Market Rate)	Structure Index (In Current Pay Structure)
Fire Cadet	\$53,520	89%
Firefighter	\$67,952	93%
Fire Engineer	\$87,165	92%
Fire Lieutenant	\$96,754	93%
Fire Captain	\$102,769	98%
Battalion Chief	\$115,881	98%

**Structure Index: Pay range median divided by market rate (how our base pay structure compares to the market)*

***Takeaway: The pay structure is below market for 4 Fire Department positions when targeting the new 90th percentile goal in our current pay structure*

Current Market Data – Current Roster

Position	75th Percentile Structure Index	75 th Percentile Market Index	75 th Percentile Market Index (With Stipends)
Fire Cadet	99%	N/A	N/A
Firefighter	113%	111%	120%
Fire Engineer	98%	97%	105%
Fire Lieutenant	106%	108%	116%
Fire Captain	103%	116%	120%
Fire Battalion Chief	104%	108%	111%

**72% of Fire Shift personnel receive a stipend – Paramedic or AEMT*

**Market Index: Current employee salaries divided by the market rate (how our current staff compare to the market rate)*

***Takeaway: The current structure is at market AND current staff are at or above market when targeting the current 75th percentile goal in both base salary and salary with stipends*

Current Market Data – Current Roster

Position	90th Percentile Structure Index	90th Percentile Market Index	90th Percentile Market Index (With Stipends)
Fire Cadet	89%	N/A	N/A
Firefighter	93%	92%	99%
Fire Engineer	92%	91%	98%
Fire Lieutenant	93%	95%	102%
Fire Captain	98%	110%	114%
Fire Battalion Chief	98%	102%	105%

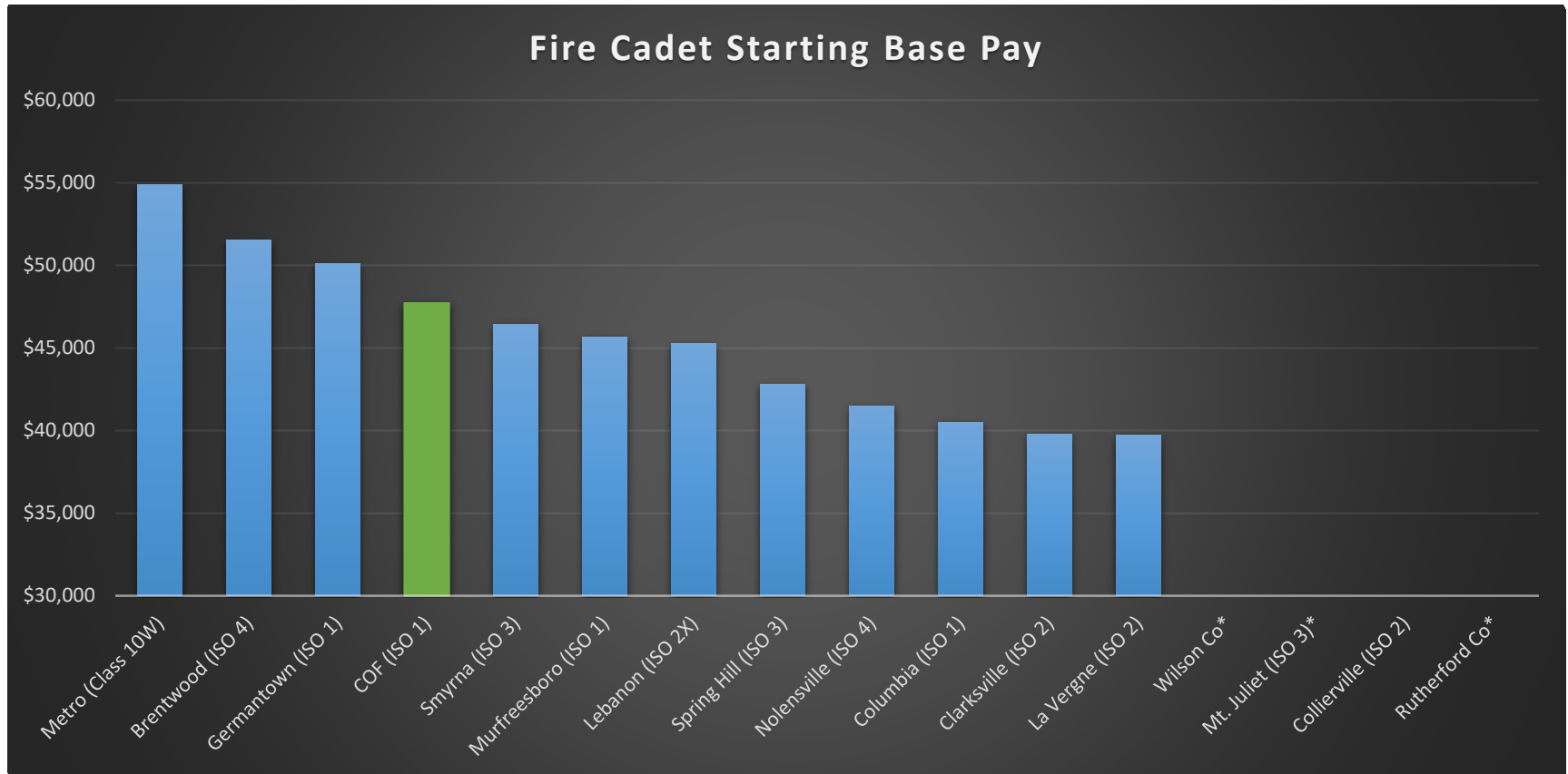
**72% of Fire Shift personnel receive a stipend – Paramedic or AEMT*

**Market Index: Current employee salaries divided by the market rate (how our current staff compare to the market rate)*

***Takeaway: The structure is below market for 4 positions, and current staff are below market in the same positions in base salary, BUT with stipends included, those staff are currently at or above market even when targeting the new 90th percentile goal*

City of Franklin, Tennessee

Current Starting Base Salary Comparison:

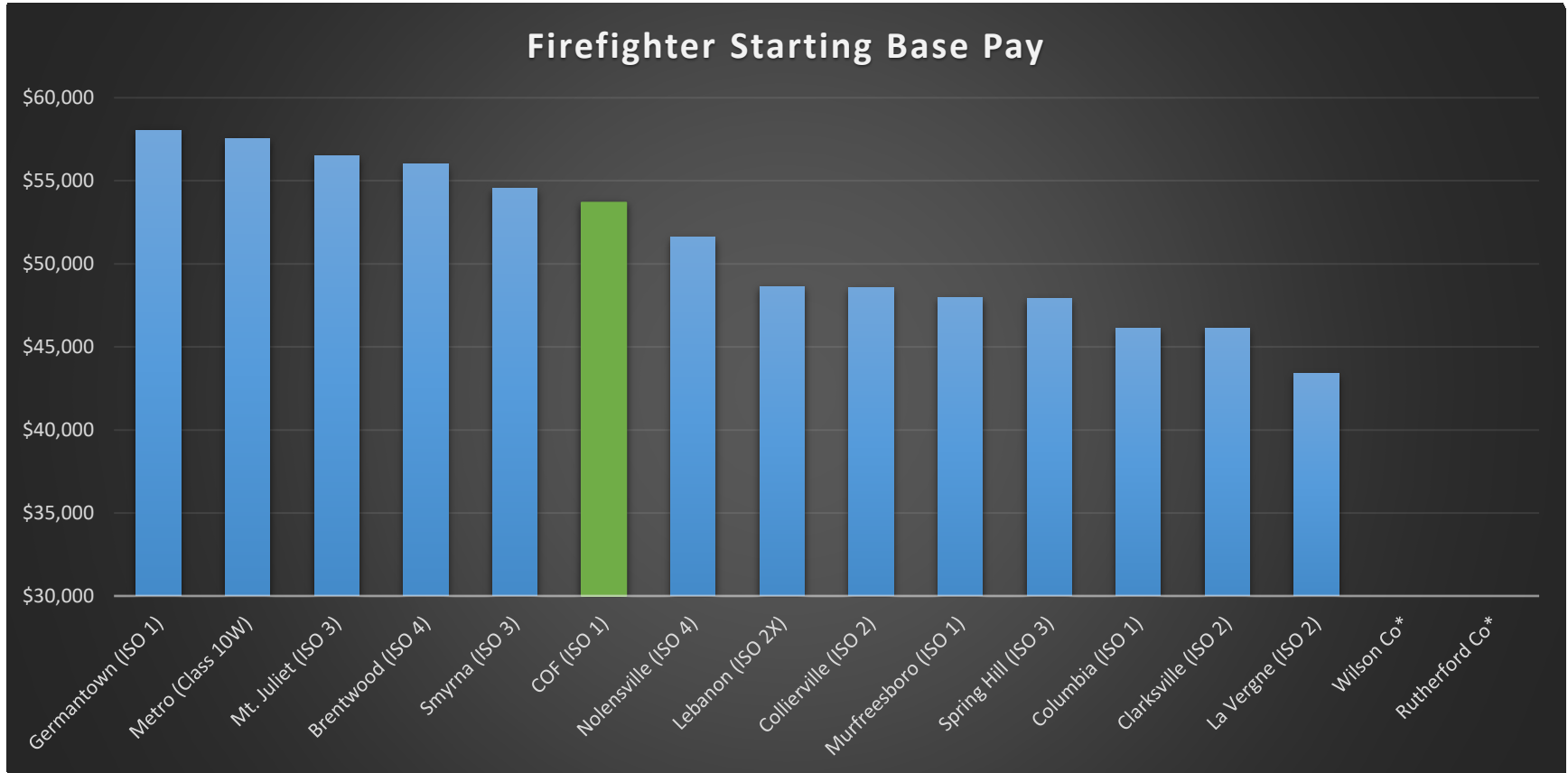


**Do not hire Cadets/entry level*

***Base salary comparisons, does not include stipends*

City of Franklin, Tennessee

Current Starting Base Salary Comparison:

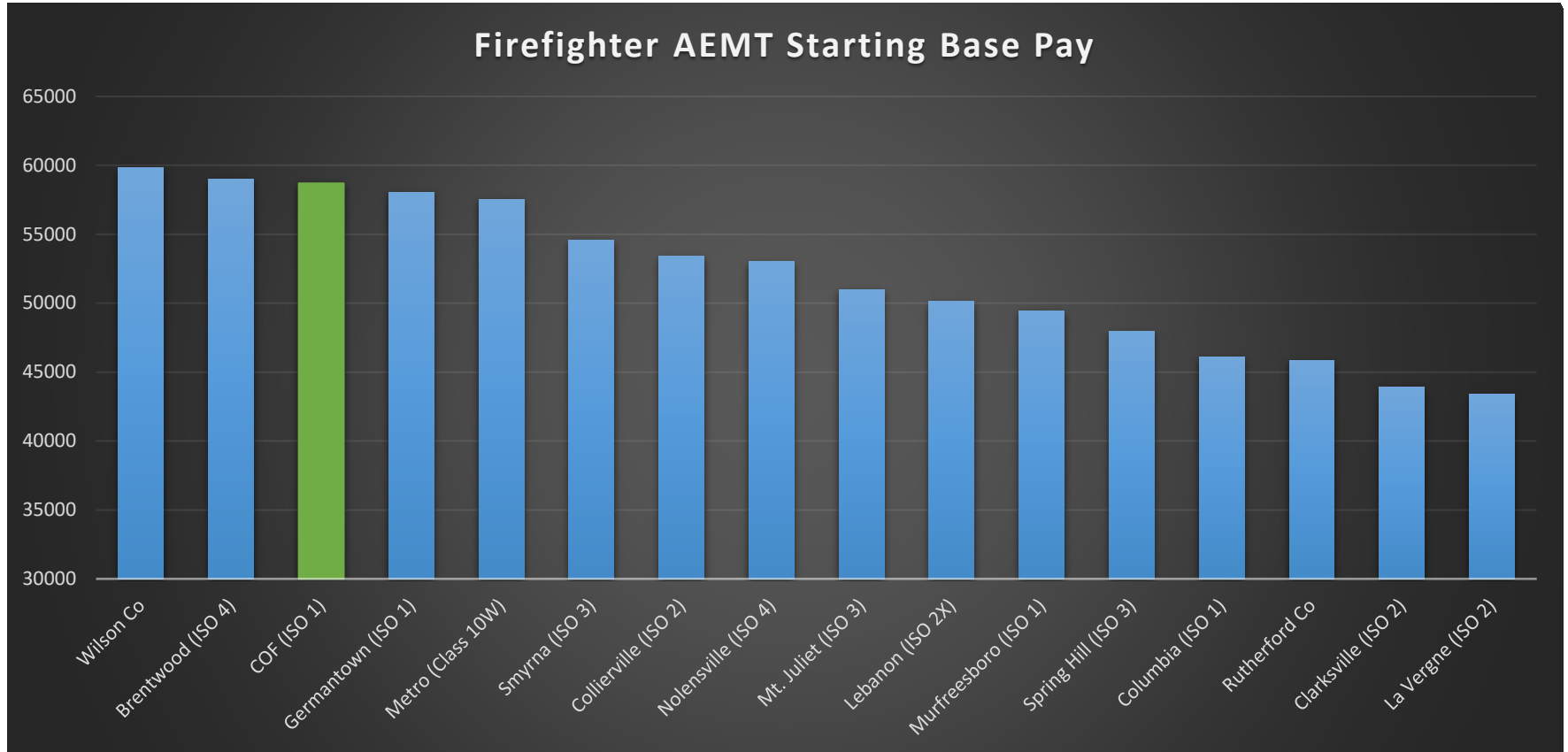


*Do not hire Firefighters without EMT, AEMT, or Paramedic

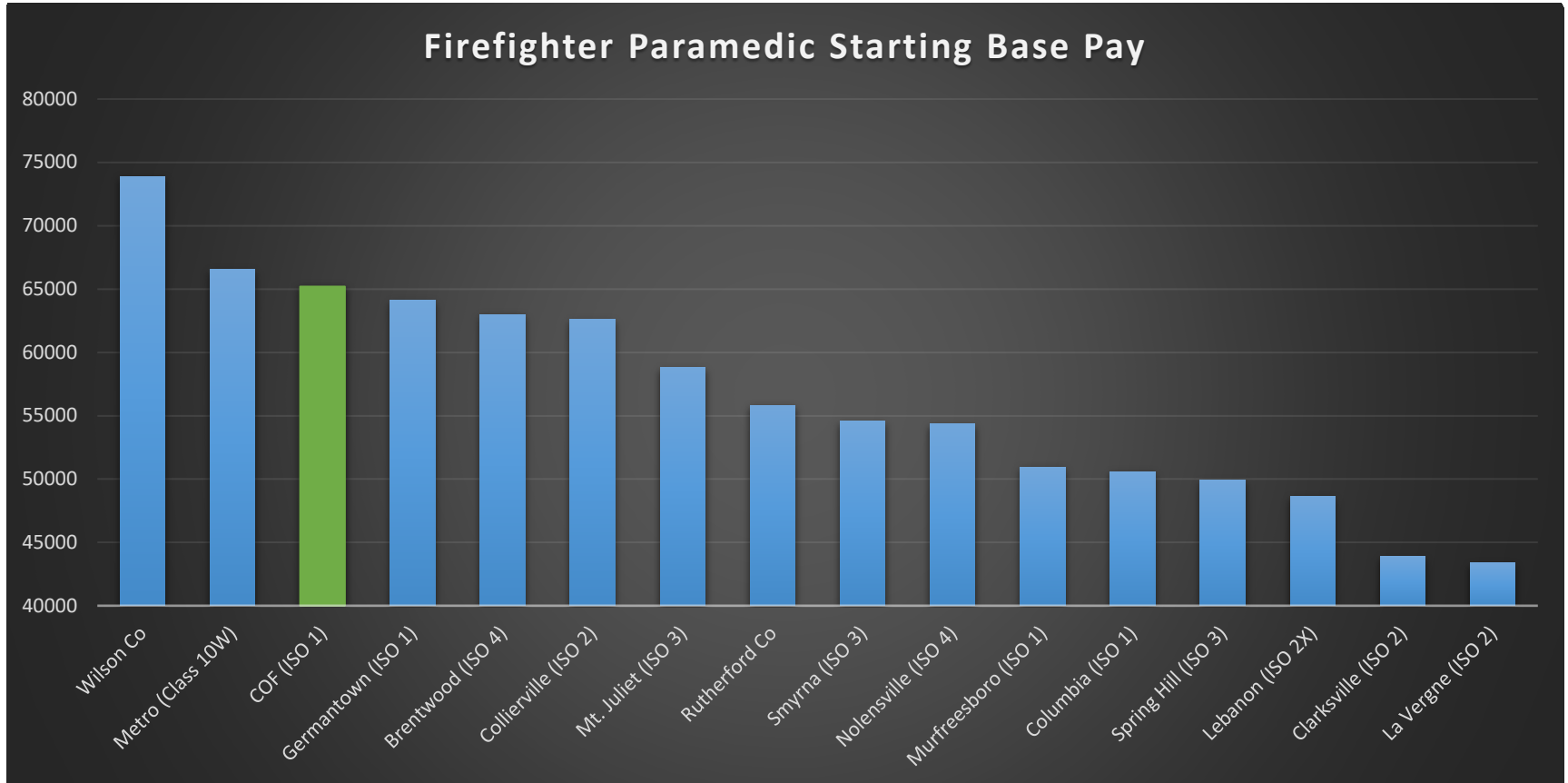
**Base salary comparisons, does not include stipends

City of Franklin, Tennessee

Current Starting Base + AEMT Salary Comparison:



Current Starting Base + Paramedic Salary Comparison:



Step-Up Pay Comparison

COF Details

- Step-Up Amounts (All count towards OT)
 - Engineer: \$2.08/hour
 - Lieutenant: \$2.38/hour
 - Captain: \$2.88/hour
 - Battalion Chief: \$3.38/hour
- Qualifying hours are calculated in 12-hour increments

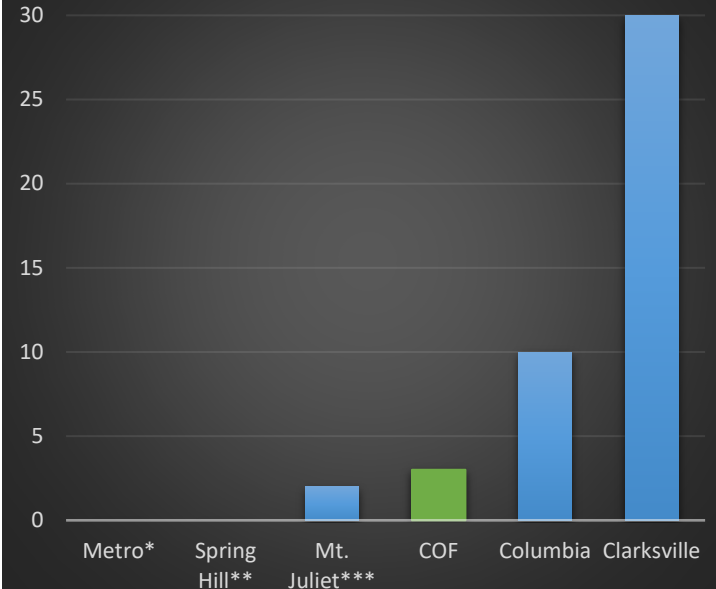
- *Flat rate for all positions and does not apply to OT*
- **50% of difference between current role and higher role*
- ***3% increase in base rate*
- ****Other cities calculate qualifiers in 24-hour increments*

How Many Cities Offer Step-Up Pay?



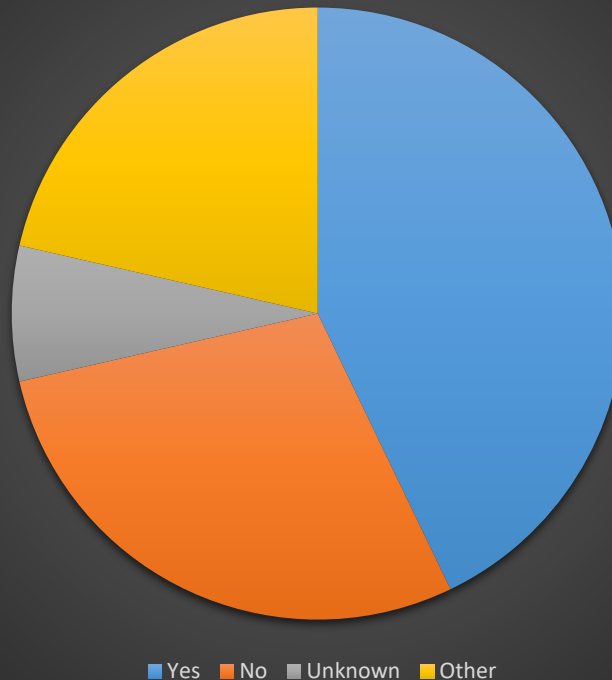
■ Yes ■ No

How Many Qualifiers?



EMS Training Comparison

EMS School Paid?

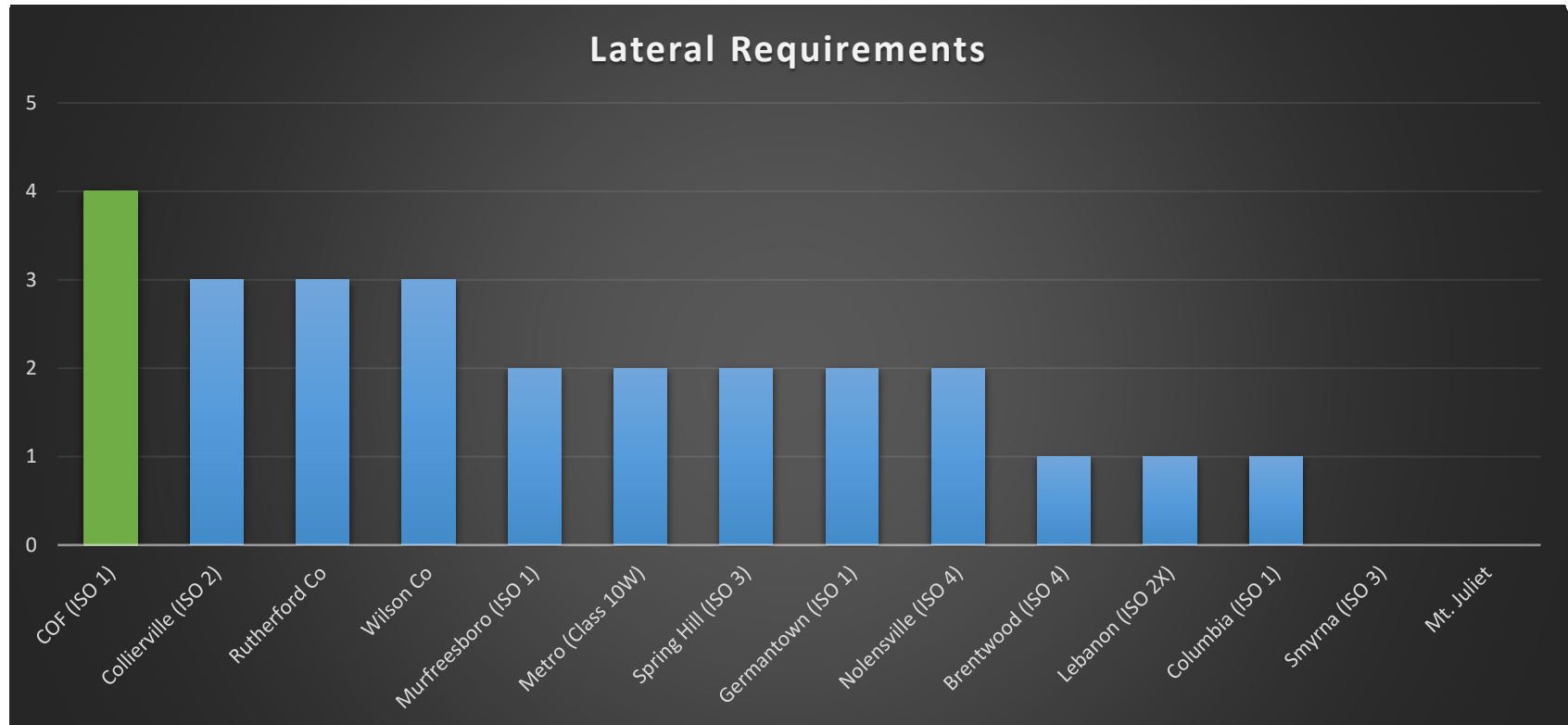


- COF provides in-house training fully paid and pays for the cost of EMS school/certification for all employees.

- Employees are required to pay back the tuition if separating within two years.

**Other: Cities offer paid training, but tuition is paid up front by the employee and reimbursed after taking the courses or is deducted from the employee's paycheck until paid back to the City.*

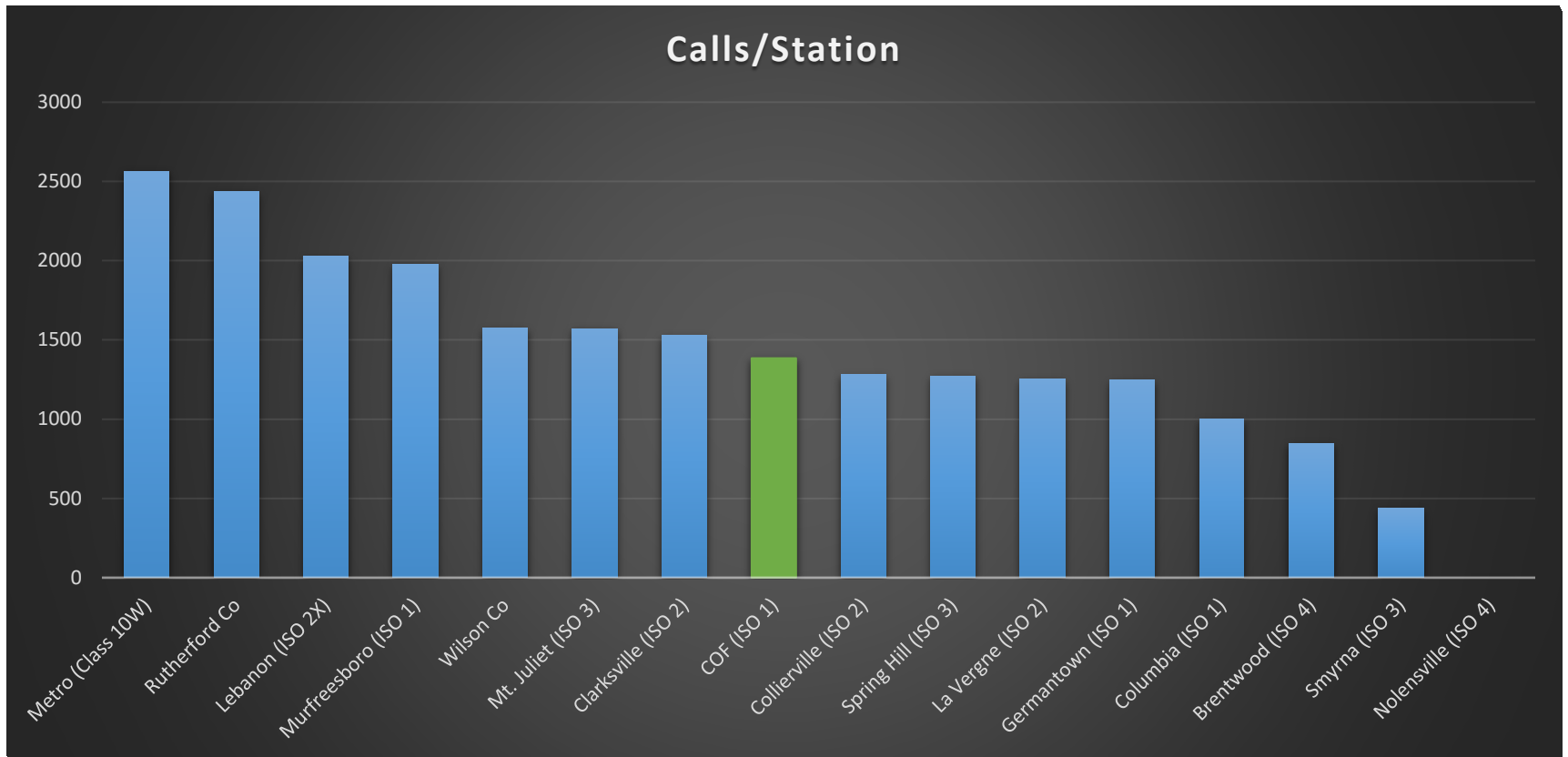
Firefighter Requirements Comparison



*COF: EMT or above, 320-hour academy completed, Firefighter I-II certifications

**Others vary in the above requirements, but don't require all 4

Call Volume Comparison



Summary of Current Data

- The Fire pay structure is at market AND current staff are at or above market when targeting the current 75th percentile goal in both base salary and salary with stipends.
- The Fire pay structure is below market for 4 positions, and current staff are below market in the same positions in *base* salary, BUT with stipends included, those staff are at or above market even when targeting the new 90th percentile goal.
- The City of Franklin is a top 3 employer for Firefighter AEMT and Firefighter Paramedic positions and top 6 for base Firefighter salary.
- When accounting for AEMT and Paramedic stipends, most current staff are compensated above market rate at all ranks.
- The Fire Department continues to recruit and retain at a high level, even with increased requirements for Firefighters.
- The City of Franklin is a leader in other rewards as compared to the same municipalities.
 - Resulting in the City of Franklin ranking **top 3-4** in total earning potential and rewards. These rewards include:
 - Step-Up Pay
 - EMS Training
 - Paid Leave Programs
 - Opportunities for Overtime



City of Franklin, Tennessee

Proposed Compensation Data

City of Franklin, Tennessee

Proposed Changes to Structure

Classification/Position	Minimum Requirements	Starting Base Salary
Entry Level/Fire Cadet	No experience or certifications required	\$55,000
Lateral/Firefighter	- Firefighter I AND Firefighter II - EMT or above - Completion of 320-hour academy	\$60,000
Entry Level/Cadet upon completion of Firefighter requirements	- Firefighter I AND Firefighter II - EMT or above - Completion of 320-hour academy	Starting pay rate (\$60,000) or 5% (whichever is greater)

- Implement a new pay structure for Public Safety with a Fire Department pay scale and a Police Department pay scale.

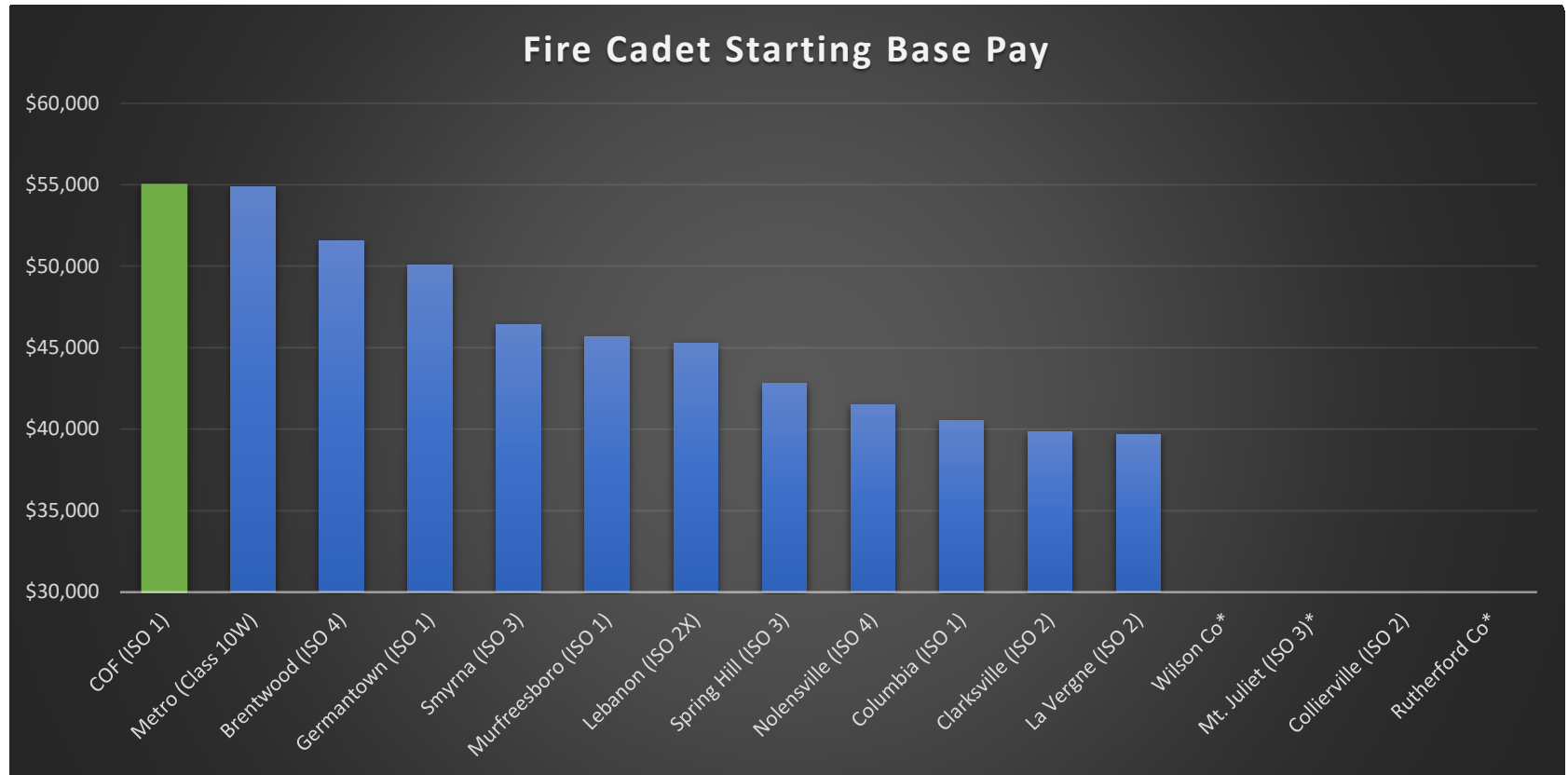
**No proposed changes to the other structures (step-up pay, stipends, etc.)*

Proposed Changes to Staff

- Firefighter brought to new starting rate or 2% increase (whichever is greater).
- Fire Engineer, Fire Captain, Fire Battalion Chief, EMS Officer, Assistant Fire Marshall brought to new minimum or 2% increase (whichever is greater).
- Fire Lieutenant, Fire Inspector, Fire Info Systems Analyst, and Fire Life & Safety Educator starting rate at 1st quartile of range to incentivize promotion. Increase of 2% or at this new rate (whichever is greater).

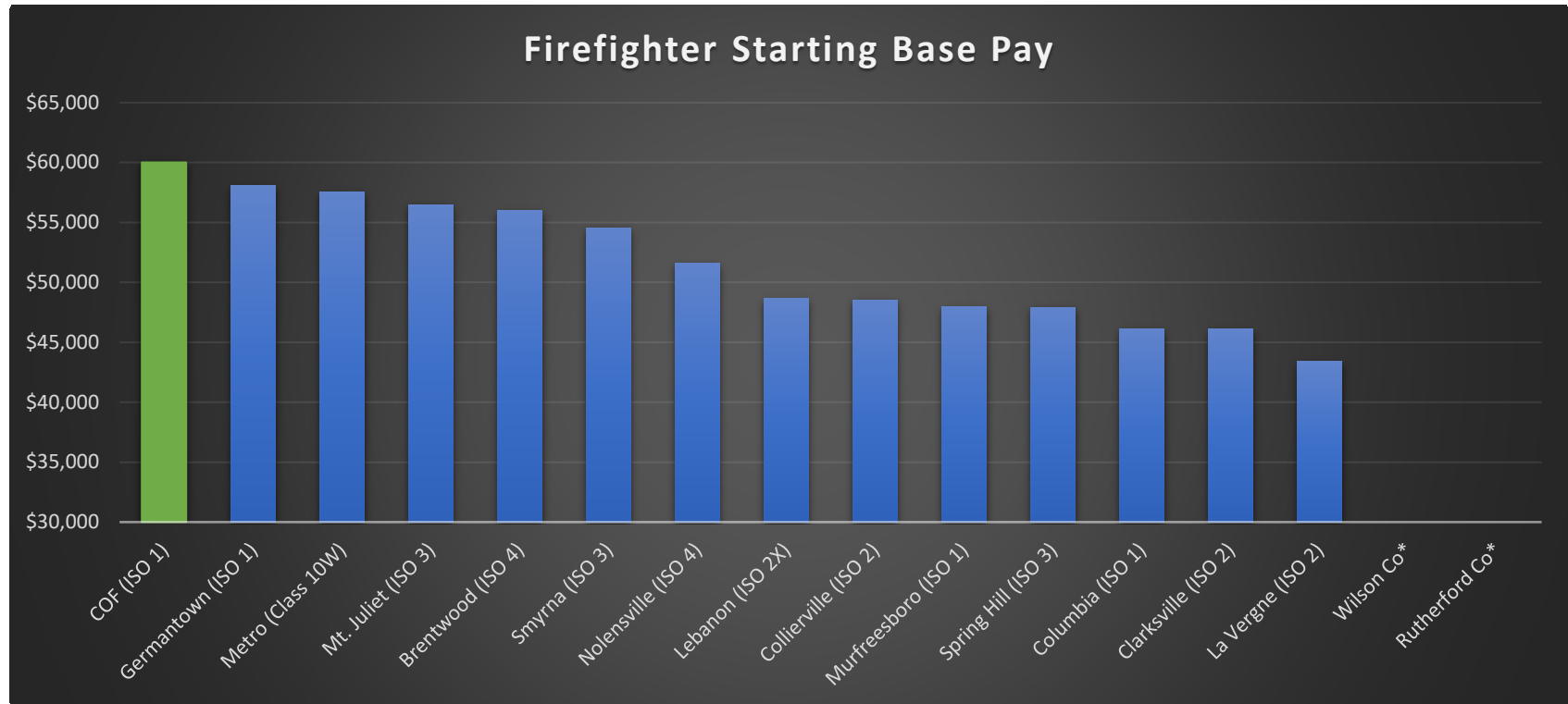
City of Franklin, Tennessee

Proposed Starting Base Salary Comparison:

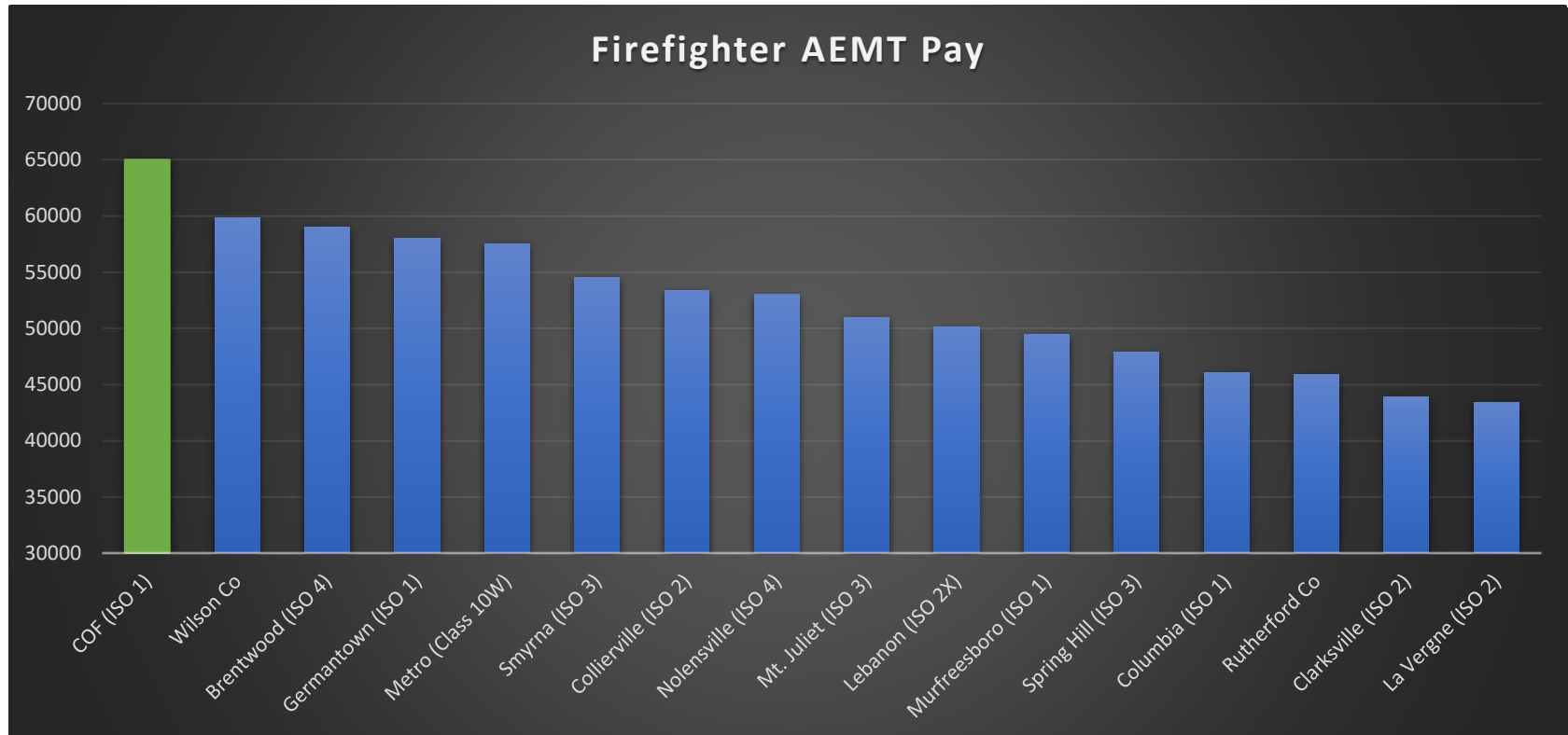


City of Franklin, Tennessee

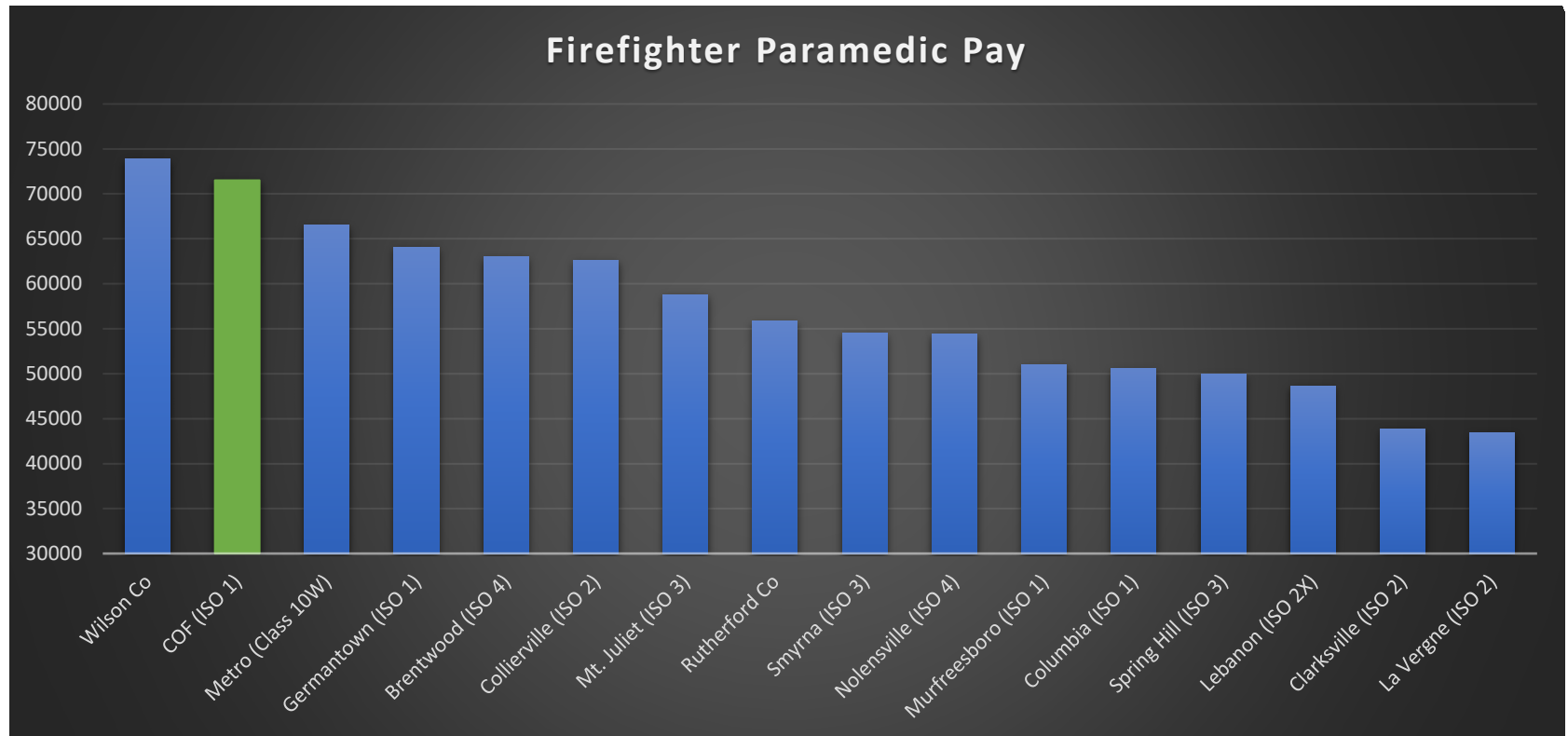
Proposed Starting Base Salary Comparison:



Proposed Starting Base + AEMT Salary Comparison:



Proposed Starting Base + Paramedic Salary Comparison:



City of Franklin, Tennessee

Proposed Pay Structure Data – Public Safety Payscale @ 90th Percentile

Position	90th Percentile (Market Rate)	Current Pay Structure Index	Proposed Pay Structure Index
Fire Cadet	\$53,520	89%	103%
Firefighter	\$67,952	93%	101%
Fire Engineer	\$87,165	92%	97%
Fire Lieutenant	\$96,754	93%	98%
Fire Captain	\$102,769	98%	102%
Fire Battalion Chief	\$115,881	98%	101%

**Structure Index: Pay range median divided by market rate (how our base pay structure compares to the market)*

**Takeaway: Creating a separate public safety pay structure targets Fire positions individually to the market and positions each position at or above market*

Proposed Market Data – Current Roster

Position	Current Market Index (@ 90 th)	Current Market Index (@90 th) with Stipends	Proposed Market Index (@ 90th)	Proposed Market Index (@90 th) with Stipends
Firefighter	92%	99%	95%	103%
Fire Engineer	91%	98%	93%	100%
Fire Lieutenant	95%	102%	97%	104%
Fire Captain	110%	114%	112%	116%
Fire Battalion Chief	102%	105%	104%	107%

**72% of Fire Shift personnel receive a stipend – Paramedic or AEMT*

**Market Index: Current employee salaries divided by the market rate (how our current staff compare to the market rate)*



City of Franklin, Tennessee

Summary of Proposed Changes

- Changing to a Public Safety Pay Scale will target 90th percentile for both Police and Fire for the market rates for those specific industries.
- Increasing current salaries to all ranks at the same percentage (2%) will reduce the risk of compression for current staff throughout the ranks.
- Increasing starting salaries for Fire Cadet and Firefighter will make Franklin **the top** employer in base salary, AEMT salary, AND other rewards/benefits for Fire Department pay. Paramedic salary is positioned as #2 below Wilson County.
- Estimated cost to base salary: \$405,000

Ongoing Work

- Reviewing Police Chief and Police Deputy Chief, Fire Chief, and Assistant Fire Chief, and Fire Deputy Chief as well as other Fire Administrative and Non-Shift Personnel and non-sworn Police Department personnel for possible changes FY25 or for review with the comprehensive compensation plan for FY26
- The move to the 90th percentile would be identified as the target for all other City employees as a part of the comprehensive compensation plan update planned for next year's budget (FY26).
- Police Lieutenant and Police Sergeant changes coming with Police Department shift to Public Safety pay structure.



City of Franklin

109 3rd Ave S.
Franklin, TN 37064
(615) 791-3217

File #: 21-0122

DATE: May 17, 2024
TO: Board of Mayor and Aldermen
FROM: Eric Stuckey, City Administrator
Mark Hilty, Asst. City Administrator Public Works
Jack Tucker, Sanitation and Environmental Services Director
Michael Walters Young, Budget and Analytics Manager

SUBJECT:

*Consideration Of Ordinance 2024-19, An Ordinance Of The City Of Franklin, Tennessee To Amend Appendix A - Comprehensive Fees And Penalties, Chapter 17 Refuse And Trash Disposal, Of The Franklin Municipal Code To Increase The Fees For Collection Of Garbage And Refuse. Establishing A Public Hearing On June 11, 2024
Finance 5/9/24, 3-0
WS 5/14/24

PURPOSE:

The purpose of this memorandum is to provide information to the Franklin Board of Mayor and Aldermen (BOMA) concerning Consideration of Ordinance 2024-19, An Ordinance of the City of Franklin, Tennessee to Amend Appendix A - Comprehensive Fees and Penalties, Chapter 17 Refuse and Trash Disposal, of the Franklin Municipal Code to Increase the Fees for Collection of Garbage and Refuse.

BACKGROUND/STAFF COMMENTS:

The Sanitation and Environmental Services (SES) Fund has continuously worked to become increasingly self-sustaining over the last decade plus. From a \$4.4 million tax levy subsidy in 2009 to three consecutive budgets with no planned tax levy subsidy, the fund has achieved this if operations and collection points would remain static. However, with the continual growth in the community, and significantly higher fixed costs (disposal/tipping contract, personnel increases), it no longer can maintain operations, handle additional residential and recycling burdens and replace vital equipment on the current rate of \$23.00/month.

During the Board's May 14, 2024 Work Session, there had been discussion related to the equity of the fee for customers that have very little trash as compared to full containers. Staff evaluated the cost related to hauling and disposal of residential trash compared to the cost of residential collection. As projected over the next five years, the cost of collection is estimated to be 84% to 86% of the total cost. This portion of the cost would be considered a "fixed cost" that is not impacted by a customer's volume of refuse/recycling. The results of this analysis are attached as document 20231003_SES

COS_V5. In summary, the “volumetric” component of the fee is only approximately 15% of the total cost.

FINANCIAL IMPACT:

The \$8.00/month increase from \$23.00/month to \$31.00/month should generate approximately \$2,400,000 more for the fund annually. This fee adjustment will set the path on the way to true self-sustainability within the City's SES operations.

RECOMMENDATION:

Staff recommends that the Board of Mayor and Aldermen approve Ordinance 2024-19.

ORDINANCE 2024-19

AN ORDINANCE OF THE CITY OF FRANKLIN, TENNESSEE TO AMEND APPENDIX A – COMPREHENSIVE FEES AND PENALTIES, CHAPTER 17 REFUSE AND TRASH DISPOSAL, OF THE FRANKLIN MUNICIPAL CODE TO INCREASE THE FEES FOR COLLECTION OF GARBAGE AND REFUSE.

WHEREAS, for the purpose of promoting the public health, safety, comfort, convenience, and general welfare of the people of Franklin, Tennessee, the Board of Mayor and Aldermen is authorized to prescribe regulations and standards that encourage and advance the quality of life within the City; and

WHEREAS, the Franklin Board of Mayor and Aldermen have, on behalf of the citizens of Franklin, invested in a solid waste management facility located at 411 Century Court; and

WHEREAS, the City has performed a cost of service study identifying the need to adjust rates in order to have self-sustaining funding for the Sanitation and Environmental Services Department; and

WHEREAS, the City Charter, Article VIII, provides for adoption of an annual budget for all departments of the City of Franklin; and

WHEREAS, an annual budget process appropriating funds to the various departments and divisions of the City government for the fiscal year beginning July 1, 2024, has been completed in accordance with state law and local ordinances.

NOW, THEREFORE, BE IT ORDAINED BY THE BOARD OF MAYOR AND ALDERMEN OF THE CITY OF FRANKLIN, TENNESSEE, AS FOLLOWS:

SECTION I: Appendix A, Chapter 17 of the Franklin Municipal Code is hereby amended and the following substituted in lieu thereof and shall take effect for billing cycles beginning January 1, 2025, from and after its passage on third and final reading, the health, safety, and welfare of the citizens requiring it:

<i>Containers—Administrative Setup Fee</i>	
Residential MSW—City approved rollout container	\$75.00 per container
Nonresidential MSW—City approved rollout container	\$75.00 per container
Recycling—City-approved rollout container	\$75.00 per container
<i>Collection Service Fees</i>	
<i>Residential</i>	
First MSW rollout container	\$31.00 per month (one pick-up/week)
Second and subsequent MSW rollout containers	\$10.50 per month/per container
<i>Nonresidential</i>	
First rollout container	\$38.00 per month/per container (one pick-up service/week)
Rollout – Additional pick-up service	\$38.00 per pick-up service
<i>Special Collection Services for Residential Customers</i>	
Pick-up service for noncontainerized bulky waste	\$125.00 per vehicle/per request
Temporary residential remodeling/clean-up dumpster	\$110.00 per service
<i>Special Event</i>	

Collection service	As determined by the Sanitation and Environmental Services Director
<i>Tipping Fees at Transfer Station</i>	
Class I	\$65.00 per ton—\$65.00 minimum

SECTION II: Appendix A, Chapter 17 of the Franklin Municipal Code is hereby amended and the following substituted in lieu thereof and shall take effect for billing cycles beginning January 1, 2026, from and after its passage on third and final reading, the health, safety, and welfare of the citizens requiring it:

<i>Containers—Administrative Setup Fee</i>	
Residential MSW—City approved rollout container	\$75.00 per container
Nonresidential MSW—City approved rollout container	\$75.00 per container
Recycling—City-approved rollout container	\$75.00 per container
<i>Collection Service Fees</i>	
<i>Residential</i>	
First MSW rollout container	\$33.00 per month (one pick-up/week)
Second and subsequent MSW rollout containers	\$11.00 per month/per container
<i>Nonresidential</i>	
First rollout container	\$40.00 per month/per container (one pick-up service/week)
Rollout – Additional pick-up service	\$40.00 per pick-up service
<i>Special Collection Services for Residential Customers</i>	
Pick-up service for noncontainerized bulky waste	\$125.00 per vehicle/per request
Temporary residential remodeling/clean-up dumpster	\$110.00 per service
<i>Special Event</i>	
Collection service	As determined by the Sanitation and Environmental Services Director
<i>Tipping Fees at Transfer Station</i>	
Class I	\$70.00 per ton—\$70.00 minimum

ATTEST:

CITY OF FRANKLIN, TENNESSEE:

By: _____

Eric Stuckey

City Administrator/Recorder

By: _____

Dr. Ken Moore

Mayor

Approved as to form by:

Shauna R. Billingsley

City Attorney

PASSED FIRST READING _____

PUBLIC HEARING HELD

PASSED SECOND READING

PASSED THIRD READING

Cost of Residential Hauling and Disposal Relative to Residential Collection and Administration

Fiscal Year	Total Expenditures Minus Residential Hauling and Disposal Costs	Non-Residential Revenue	Residential Revenue Requirement (Collections/Admin Only)	COF Transfer Station Tipping Fee	Residential Accounts	Disposal Cost per Ton	Total Cost of Hauling and Disposal (Residential)	Portion of Rate Related to Hauling and Disposal	Portion of Rate Related to Residential Collection and Administration	Total Rate	% "Customer Charge" of Required Rate
Projected 2025	\$ 12,351,663	\$ 4,274,395	\$ 8,077,268	\$ 65	25,244	\$ 48.46	\$1,321,262	\$4.36	\$ 26.66	\$31.03	86%
Projected 2026	\$ 12,998,763	\$ 4,612,356	\$ 8,386,408	\$ 70	25,665	\$ 50.84	\$1,409,076	\$4.58	\$ 27.23	\$31.81	86%
Projected 2027	\$ 14,007,680	\$ 4,638,256	\$ 9,369,424	\$ 70	26,086	\$ 60.17	\$1,695,239	\$5.42	\$ 29.93	\$35.35	85%
Projected 2028	\$ 14,649,252	\$ 4,974,426	\$ 9,674,827	\$ 75	26,507	\$ 63.13	\$1,807,297	\$5.68	\$ 30.42	\$36.10	84%
Projected 2029	\$ 15,393,282	\$ 5,002,176	\$ 10,391,106	\$ 75	26,928	\$ 66.24	\$1,926,347	\$5.96	\$ 32.16	\$38.12	84%



File #: 21-06098

DATE: May 17, 2024

TO: Board of Mayor and Aldermen

FROM: Eric Stuckey, City Administrator
Mark Hilty, Asst. City Administrator Public Works
Jack Tucker, Sanitation and Environmental Services Director
Nate Ridley, Asst Director of SES
Chris Franklin, Public Works Operations Analyst

SUBJECT:

Consideration Of Resolution 2024-39, A Resolution To Adopt A Five-Year Rate Plan And Cost Of Service Study For The Sanitation And Environmental Services Fund, Fiscal Year 2025 Through Fiscal Year 2029
WS 5/14/24

PURPOSE:

The purpose of this memorandum is to provide information to the Franklin Board of Mayor and Aldermen (BOMA) concerning Resolution 2024-39, adopting a Cost of Service Study and Five-Year Rate Plan performed by staff to understand the revenue requirements for the Sanitation and Environmental Services Department (SES).

BACKGROUND/STAFF COMMENTS:

In recent years, there have been a number of changes that have affected personnel costs for the City's Sanitation and Environmental Services (SES) Department and their delivery of residential trash and recycling collection services. These costs include the addition of three positions, pay adjustments based on a market compensation study, pay compression adjustments, and increases in required pension contributions. Costs for operations have also changed. The City of Franklin for years benefited from landfill disposal costs well below market rates, whereas now, those fees are moving closer to market. Finally, the SES Department has implemented a replacement program to keep the fleet operational and safe.

To account for these changes, staff performed a cost of service study with the primary goal of understanding the revenue requirements to fully recover operations, maintenance, and capital costs for the SES Department. Resolution 2024-39 is being used as the mechanism to adopt the Cost of Service Study and Five-Year Rate Plan to guide the structure of residential service fees now and in the future.

During the Board's May 14, 2024 Work Session, there had been discussion related to the equity of the fee for customers that have very little trash as compared to full containers. Staff evaluated the

cost related to hauling and disposal of residential trash compared to the cost of residential collection. As projected over the next five years, the cost of collection is estimated to be 84% to 86% of the total cost. This portion of the cost would be considered a "fixed cost" that is not impacted by a customer's volume of refuse/recycling. The results of this analysis are attached as document 20231003_SES COS_V5. In summary, the "volumetric" component of the fee is only approximately 15% of the total cost.

FINANCIAL IMPACT:

The financial impact will be established based on guidance from the BOMA. The City Administrator's recommended FY25 Budget includes the first year of the recommended rate changes for residential services provided by SES for trash and recycling collection (Option B).

RECOMMENDATION:

Staff recommends that the Board of Mayor and Aldermen approve Resolution 2024-39 to adopt Option B of the cost of service study and establish the scenario as the five-year rate plan to address the revenue requirements of the SES Department.

RESOLUTION 2024-39

**A RESOLUTION TO ADOPT A FIVE-YEAR RATE PLAN AND COST OF SERVICE STUDY FOR THE
SANITATION AND ENVIRONMENTAL SERVICES FUND, FISCAL YEAR 2025 THROUGH FISCAL
YEAR 2029**

WHEREAS, the Board of Mayor and Aldermen endeavor to have the Sanitation and Environmental Services (SES) fund operate in a sustainable manner based on revenues received through the department without subsidy from the General Fund; and

WHEREAS, it is deemed to be in the public interest to provide for the long range fiscal health of the system; and

WHEREAS, a five-year financial plan would be beneficial in establishing levels of expenditures and revenue estimates beyond a single fiscal period; and

WHEREAS, a five-year plan would demonstrate the capability of current and proposed rates to adequately cover the operating expenses of the department; and

WHEREAS, a five-year plan would incorporate the estimated effects of inflation and customer growth on revenues and expenses, and allow the Board and staff to better plan for future system needs; and

WHEREAS, the Board of Mayor and Aldermen believes it is in the best interest of the City of Franklin to adopt a five-year rate plan for the SES Department.

**NOW, THEREFORE, BE IT RESOLVED BY THE BOARD OF MAYOR AND ALDERMEN OF THE CITY OF
FRANKLIN, TENNESSEE, AS FOLLOWS:**

SECTION 1. The Sanitation and Environmental Services Five-Year Rate Plan FY 2025 – 2029, Option ____, for the Sanitation and Environmental Services Fund, as set forth more fully in Attachment A, is herewith approved and adopted.

SECTION 2. This Resolution shall take effect upon adoption, the public welfare requiring it.

IT IS SO RESOLVED AND DONE on this ____ day of _____, 20__.

ATTEST:

By: _____
Eric S. Stuckey
City Administrator

CITY OF FRANKLIN, TENNESSEE:

By: _____
Dr. Ken Moore
Mayor

Approved as to Form:

By: _____
Shauna R. Billingsley
City Attorney



Cost of Service Study

SANITATION AND ENVIRONMENTAL SERVICES DEPARTMENT

MAY 1, 2024

Introduction

On April 9, 2024, staff presented the results of a cost of service (COS) study performed for the Sanitation and Environmental Services (SES) operations to the Board of Mayor and Aldermen. The COS study was the approach used to determine customer rates based on the revenue requirements needed to fully fund operation, maintenance, and capital costs. The goal of the study was to understand the revenue requirements necessary to meet the projected expenditures of the SES Department for FY 2025 through FY 2029.

SES Department Background

The SES Department has 46 budgeted position that include 10 in Administration, 32 in Collections, and 6 in Disposal (transfer station). The bullets below provide additional background for the department:

- 25,809 Tons of Residential MSW collected and sent to landfill in FY 2023
- 60,204 Tons of Commercial MSW processed at Transfer Station and sent to landfill
- 2,579 Tons of Recycling collected in FY 2023
- 2,265 Tons of Brush collected in FY 2023
- Current Monthly Residential Rate is \$23 per month
- 24,823 Residential Accounts as of FY 2024
- Current COF Transfer Station Tipping Fee for Commercial Haulers is \$65 per Ton

There are two major sources of revenue for SES operations. Residential rates account for approximately 58% of total revenue. Commercial revenue consists of tipping fees paid to the COF by commercial haulers at a rate of \$65 per ton brought to the COF transfer station.

In recent years there have been several drivers that are increasing expenditures. These include the following:

- Personnel – since FY 2021, personnel costs have increased 37% due to vacancies being filled, the addition of three positions, personnel cost increases based on a compensation study, adjustments intended to mitigate compression issues, and increases in retirement costs.
- Operations – over half of all operational expenditures are attributed to municipal solid waste (MSW) disposal costs. In FY 2021, the COF paid \$37.03 per ton to dispose of MSW. This fee is expected to rise to approximately \$66.24 by FY 2029.
- Capital – the SES Department has a fleet of 48 vehicles and pieces of equipment that must be replaced based on a sustainable life expectancy to where the equipment remains safe and operational.

Cost of Service Analysis and Options

Table 1 below compares the projected revenues and expenditures for the next five fiscal years. As shown, the SES Department will be operating in a deficit over each of the next five years with the largest deficit in FY 2029 of nearly \$5M.

Table 1: Revenues vs. Expenditures

Fiscal Year	Total Revenues Minus General Fund Transfer	General Fund Transfer	Total All Revenues	Total Expenditures	SES Fund Balance Usage	Surplus/(Deficit)
Actual 2021	\$10,297,464	\$900,000	\$11,197,464	\$10,212,418		\$985,046
Actual 2022	\$11,094,845	\$515,680	\$11,610,525	\$11,633,064		(\$22,539)
Actual 2023	\$11,008,153	\$500,000	\$11,508,153	\$10,471,844		\$1,036,310
Estimated 2024	\$11,123,803	\$750,000	\$11,873,803	\$14,414,560	(\$2,540,757)	\$ -
Projected 2025	\$11,241,739		\$11,241,739	\$13,672,925		(\$2,431,186)
Projected 2026	\$11,695,896		\$11,695,896	\$14,407,839		(\$2,711,943)
Projected 2027	\$11,837,992		\$11,837,992	\$15,702,918		(\$3,864,927)
Projected 2028	\$12,290,358		\$12,290,358	\$16,456,549		(\$4,166,191)
Projected 2029	\$12,434,304		\$12,434,304	\$17,319,629		(\$4,885,325)

After a thorough and extensive analysis of the revenues generated and expenditures incurred by the Sanitation and Environmental Services Department, five rate design options have been developed for consideration to address the shortfall in revenues.

Option A: Keep the residential monthly rate at \$23 over the next 5 years and increase the COF Transfer Station Tipping Fee to \$70 per ton in FY 2026 and \$75 per ton in FY 2028. Additionally, the Sanitation Fund would be subsidized by the General Fund to cover any deficits incurred in each fiscal year.

Table 2: Option A

Fiscal Year	Required GF Transfer	Surplus/(Deficit)	COF Transfer Station Tipping Fee	Monthly Rate
Estimated 2024		\$ -	\$65.00	\$23.00
Projected 2025	\$2,431,186	(\$2,431,186)	\$65.00	\$23.00
Projected 2026	\$2,711,943	(\$2,711,943)	\$70.00	\$23.00
Projected 2027	\$3,864,927	(\$3,864,927)	\$70.00	\$23.00
Projected 2028	\$4,166,191	(\$4,166,191)	\$75.00	\$23.00
Projected 2029	\$4,885,325	(\$4,885,325)	\$75.00	\$23.00

Option B: Increase the residential monthly rate in FY 2025 to \$31 and additionally increase that rate by \$2 per year through FY 2029. Increase the COF Transfer Station Tipping Fee to \$70 per ton in FY 2026 and \$75 per ton in FY 2028. There would be no need for a General Fund transfer in any of the five fiscal years.

Table 3: Option B

Fiscal Year	Required GF Transfer	Surplus/(Deficit)	COF Transfer Station Tipping Fee	Monthly Rate
Estimated 2024		\$ -	\$65.00	\$23.00
Projected 2025	\$ -	(\$7,762)	\$65.00	\$31.00
Projected 2026	\$ -	\$367,857	\$70.00	\$33.00
Projected 2027	\$ -	(\$108,543)	\$70.00	\$35.00
Projected 2028	\$ -	\$286,985	\$75.00	\$37.00
Projected 2029	\$ -	\$284,851	\$75.00	\$39.00

Option C: Increase the residential monthly rate by \$3 each year from FY 2025 until FY 2029. Increase the COF Transfer Station Tipping Fee to \$70 per ton in FY 2026 and \$75 per ton in FY 2028. This would eliminate the deficit by FY 2029. The Sanitation Fund would be subsidized by the General Fund to cover any deficits incurred in each fiscal year until FY 2029.

Table 4: Option C

Fiscal Year	Required GF Transfer	Surplus/(Deficit)	COF Transfer Station Tipping Fee	Monthly Rate
Estimated 2024		\$ -	\$65.00	\$23.00
Projected 2025	\$1,522,402	(\$1,522,402)	\$65.00	\$26.00
Projected 2026	\$864,063	(\$864,063)	\$70.00	\$29.00
Projected 2027	\$1,047,639	(\$1,047,639)	\$70.00	\$32.00

Table 4: Option C

Fiscal Year	Required GF Transfer	Surplus/(Deficit)	COF Transfer Station Tipping Fee	Monthly Rate
Projected 2028	\$349,183	(\$349,183)	\$75.00	\$35.00
Projected 2029	\$38,285	(\$38,285)	\$75.00	\$38.00

Option D: Supplement the Sanitation Fund with a yearly transfer equal to the estimated cost to operate COF brush pickup and a \$3 monthly residential rate increase from FY 2025 until FY 2027, followed by an additional \$1.50 in FY 2028 and in FY 2029 ending with a Residential rate of \$35 per month. Increase the COF Transfer Station Tipping Fee to \$70 per ton in FY 2026 and \$75 per ton in FY 2028.

Table 5: Option D

Fiscal Year	Required GF Transfer	Surplus/(Deficit)	COF Transfer Station Tipping Fee	Monthly Rate
Estimated 2024		\$ -	\$65.00	\$23.00
Projected 2025	\$1,045,640	(\$476,762)	\$65.00	\$26.00
Projected 2026	\$1,077,009	\$212,946	\$70.00	\$29.00
Projected 2027	\$1,109,319	\$61,681	\$70.00	\$32.00
Projected 2028	\$1,142,599	\$316,290	\$75.00	\$33.50
Projected 2029	\$1,176,877	\$169,184	\$75.00	\$35.00

Option E: Increase the residential monthly rate by \$4 each year for FY 2025 and FY 2026. Additionally increase that rate by \$2 per year from FY 2027 through FY 2029. This would eliminate the deficit by FY 2027. Increase the COF Transfer Station Tipping Fee to \$70 per ton in FY 2026 and \$75 per ton in FY 2028. The General Fund would still need to subsidize the Sanitation Fund until FY 2028.

Table 6: Option E

Fiscal Year	Required GF Transfer	Surplus/(Deficit)	COF Transfer Station Tipping Fee	Monthly Rate
Estimated 2024		\$ -	\$65.00	\$23.00
Projected 2025	\$1,219,474	(\$1,219,474)	\$65.00	\$27.00
Projected 2026	\$248,103	(\$248,103)	\$70.00	\$31.00
Projected 2027	\$108,543	(\$108,543)	\$70.00	\$35.00
Projected 2028		\$286,985	\$75.00	\$37.50
Projected 2029		\$284,851	\$75.00	\$39.00

Staff recommendation during the April 9, 2024, Work Session was Option B as presented in Table 3. Based on input from that meeting, staff has created Option E as presented in Table 6 for consideration by the BOMA.

City of Franklin Sanitation and Environmental Services

Cost of Service Study
B.O.M.A. Work Session
February 27, 2024



What is a Cost of Service

- Cost of Service is an approach used to determine customer rates based on the revenue required to fully recover operation, maintenance, and capital costs.
- The goal of this study is to understand the revenue requirements necessary to meet expenditures.

SES Department Overview

- Jack Tucker – SES Director
- Consists of three divisions
 - Administration
 - 10 personnel
 - Collections
 - 32 personnel
 - Disposal
 - 6 personnel
- 48 Vehicles and Pieces of Equipment
- 25,809 Tons of Residential MSW collected and sent to landfill in FY 2023
- 60,204 Tons of Commercial MSW processed at Transfer Station and sent to landfill
- 2,579 Tons of Recycling collected in FY 2023
- 2,265 Tons of Brush collected in FY 2023
- Current Monthly Residential Rate is \$23 per month
- 24,823 Residential Accounts as of FY 2024
- Current COF Transfer Station Tipping Fee for Commercial Haulers is \$65 per Ton

Major Revenue Sources



Residential Revenue

Residential rates account for approximately 58% of total revenue.

Residential revenue is calculated by multiplying the number of residential accounts X the monthly rate X 12 months.



Commercial Revenue

Commercial revenue consists of tipping fees paid to the COF by commercial haulers at a rate of \$65 per ton dumped at the COF transfer station.

Commercial revenues account for approximately 36% of all revenues.

Total Revenues

Fiscal Year	Commercial Revenue	Residential Revenue	Residential Plus Commercial Revenue	Total All Revenues
Actual 2021	\$ 4,149,853	\$ 5,534,270	\$ 9,684,123	\$ 11,197,464
Actual 2022	\$ 4,335,569	\$ 6,066,325	\$ 10,401,893	\$ 11,610,525
Actual 2023	\$ 4,079,676	\$ 6,442,128	\$ 10,521,804	\$ 11,508,153
Estimated 2024	\$ 3,937,310	\$ 6,851,148	\$ 10,788,458	\$ 11,873,803
Projected 2025	\$ 3,961,360	\$ 6,967,344	\$ 10,928,704	\$ 11,241,739
Projected 2026	\$ 4,291,980	\$ 7,083,540	\$ 11,375,520	\$ 11,695,896
Projected 2027	\$ 4,317,880	\$ 7,199,736	\$ 11,517,616	\$ 11,837,992
Projected 2028	\$ 4,654,050	\$ 7,315,932	\$ 11,969,982	\$ 12,290,358
Projected 2029	\$ 4,681,800	\$ 7,432,128	\$ 12,113,928	\$ 12,434,304

Commercial Revenue is projected based on the COF Transfer Station Tipping Fee being \$65 in FY25, \$70 in FY26 and FY27, and \$75 in FY28 and FY29. Residential Revenue is projected based on the Residential Monthly Rate remaining at \$23 per month. Approximately \$300,000 of miscellaneous revenue is projected for each fiscal year, which is consistent with past actuals (Late Pay Penalties, Sale of Surplus Assets, Blue Bin Setup Fees, Additional Waste Container Fees).

Increases in Expenditures



Personnel

Since FY 2021, Personnel costs have increased 37% due to vacancies being filled, 3 positions being added, pay study increases, compression adjustments, and increases in retirement costs.



Operations

Over half of all Operational Expenditures are attributed to MSW Disposal costs. In FY 2021, the COF paid \$37.03 per ton to dispose of MSW. This fee is expected to rise to **\$66.24** by FY 2029.



Capital

The SES Department has a fleet of 48 vehicles and pieces of equipment that must be replaced based on the life expectancy of the equipment to ensure consistent and continued operation of all services.

Total Expenditures

Fiscal Year	Total Personnel	Total Operations	Total Capital	Total Expenditures
Actual 2021	\$ 3,352,325	\$ 6,224,928	\$ 635,165	\$ 10,212,418
Actual 2022	\$ 3,570,258	\$ 6,652,699	\$ 1,410,107	\$ 11,633,064
Actual 2023	\$ 4,357,612	\$ 5,988,822	\$ 125,409	\$ 10,471,844
Estimated 2024	\$ 4,583,690	\$ 7,180,870	\$ 2,650,000	\$ 14,414,560
Projected 2025	\$ 4,861,807	\$ 7,478,781	\$ 1,332,337	\$ 13,672,925
Projected 2026	\$ 5,144,317	\$ 7,827,472	\$ 1,436,049	\$ 14,407,839
Projected 2027	\$ 5,443,910	\$ 8,779,878	\$ 1,479,131	\$ 15,702,918
Projected 2028	\$ 5,761,660	\$ 9,171,385	\$ 1,523,505	\$ 16,456,549
Projected 2029	\$ 6,098,714	\$ 9,582,052	\$ 1,638,863	\$ 17,319,629

Personnel cost projections include 5% for salaries and wages, and 7.5% for benefits. Operations cost projections include 2% for all expenditures except landfill costs, which are calculated per the contract with Bi-County and MBI Hauling. Capital cost projections are a yearly average of the replacement cost of all vehicles and pieces of equipment.

Revenues vs Expenditures

Fiscal Year	Total Revenues Minus General Fund Transfer	General Fund Transfer	Total All Revenues	Total Expenditures	SES Fund Balance Usage	Surplus/(Deficit)
Actual 2021	\$ 10,297,464	\$ 900,000	\$ 11,197,464	\$ 10,212,418		\$ 985,046
Actual 2022	\$ 11,094,845	\$ 515,680	\$ 11,610,525	\$ 11,633,064		\$ (22,539)
Actual 2023	\$ 11,008,153	\$ 500,000	\$ 11,508,153	\$ 10,471,844		\$ 1,036,310
Estimated 2024	\$ 11,123,803	\$ 750,000	\$ 11,873,803	\$ 14,414,560	\$ (2,540,757)	\$ -
Projected 2025	\$ 11,241,739		\$ 11,241,739	\$ 13,672,925		\$ (2,431,186)
Projected 2026	\$ 11,695,896		\$ 11,695,896	\$ 14,407,839		\$ (2,711,943)
Projected 2027	\$ 11,837,992		\$ 11,837,992	\$ 15,702,918		\$ (3,864,927)
Projected 2028	\$ 12,290,358		\$ 12,290,358	\$ 16,456,549		\$ (4,166,191)
Projected 2029	\$ 12,434,304		\$ 12,434,304	\$ 17,319,629		\$ (4,885,325)

The State of Tennessee recommends that local governments maintain an unrestricted fund balance of not less than two months of the regular operating revenue or expenditures for operating funds.

Scenario 1

Keep the monthly rate static over the next 5 years and increase the COF Transfer Station Tipping Fee to ensure commercial tipping revenues received are greater than the cost to dispose of the commercial waste received. Additionally, the Sanitation Fund would be subsidized by the General Fund by the amount in the column on the right.

Fiscal Year	Required GF Transfer	Surplus/(Deficit)	COF Transfer Station Tipping Fee	Monthly Rate
Estimated 2024		\$ -	\$ 65	\$ 23.00
Projected 2025	\$ 2,431,186	\$ (2,431,186)	\$ 65	\$ 23.00
Projected 2026	\$ 2,711,943	\$ (2,711,943)	\$ 70	\$ 23.00
Projected 2027	\$ 3,864,927	\$ (3,864,927)	\$ 70	\$ 23.00
Projected 2028	\$ 4,166,191	\$ (4,166,191)	\$ 75	\$ 23.00
Projected 2029	\$ 4,885,325	\$ (4,885,325)	\$ 75	\$ 23.00

Scenario 2

Increase the monthly rate in FY 2025 to \$31 and additionally increase that rate by \$2 per year through FY 2029. The COF Transfer Station Tipping Fee will also be increased to ensure commercial tipping revenues received are greater than the cost to dispose of the commercial waste received. This will eliminate the need for a General Fund subsidy beginning in FY 2025.

Fiscal Year	Required GF Transfer	Surplus/(Deficit)	COF Transfer Station Tipping Fee	Monthly Rate
Estimated 2024		\$ -	\$ 65	\$ 23.00
Projected 2025	\$ -	\$ (7,762)	\$ 65	\$ 31.00
Projected 2026	\$ -	\$ 367,857	\$ 70	\$ 33.00
Projected 2027	\$ -	\$ (108,543)	\$ 70	\$ 35.00
Projected 2028	\$ -	\$ 286,985	\$ 75	\$ 37.00
Projected 2029	\$ -	\$ 284,851	\$ 75	\$ 39.00

Any deficit will be covered by the SES Fund Balance, which will grow with each surplus.
Beginning in FY 2025, the SES Fund will total approximately \$500,000.

Scenario 3

Raise the COF Transfer Station Tipping Fees as shown in the column below and increase the Residential Monthly Rate by \$3 each year from FY 2025 until FY 2029. This would eliminate the deficit by FY 2029. The General Fund would still be required to help supplement the Sanitation Fund until FY 2029, as shown in the Surplus/(Deficit) column below.

Fiscal Year	Required GF Transfer	Surplus/(Deficit)	COF Transfer Station Tipping Fee	Monthly Rate
Estimated 2024		\$ -	\$ 65	\$ 23.00
Projected 2025	\$ 1,522,402	\$ (1,522,402)	\$ 65	\$ 26.00
Projected 2026	\$ 864,063	\$ (864,063)	\$ 70	\$ 29.00
Projected 2027	\$ 1,047,639	\$ (1,047,639)	\$ 70	\$ 32.00
Projected 2028	\$ 349,183	\$ (349,183)	\$ 75	\$ 35.00
Projected 2029	\$ 38,285	\$ (38,285)	\$ 75	\$ 38.00

Scenario 4

Increase the COF Transfer Station Tipping Fees as shown in the column below, supplementing the Sanitation Fund with a yearly transfer equal to the estimated cost to operate COF brush pickup and a \$3 monthly residential rate increase from FY 2025 until FY 2027, followed by an additional \$1.50 in FY 2028 and in FY 2029 ending with a Residential rate of \$35 per month.

Fiscal Year	Cost Of Brush Assigned To GF	Surplus/(Deficit)	COF Transfer Station Tipping Fee	Monthly Rate
Estimated 2024		\$ -	\$ 65	\$ 23.00
Projected 2025	\$ 1,045,640	\$ (476,762)	\$ 65	\$ 26.00
Projected 2026	\$ 1,077,009	\$ 212,946	\$ 70	\$ 29.00
Projected 2027	\$ 1,109,319	\$ 61,681	\$ 70	\$ 32.00
Projected 2028	\$ 1,142,599	\$ 316,290	\$ 75	\$ 33.50
Projected 2029	\$ 1,176,877	\$ 169,184	\$ 75	\$ 35.00

The Brush Pickup Cost includes a 3% yearly increase starting in FY 2026.

Cost of Service Summary

City Staff recommends Scenario 2

- The SES Department would become self sufficient and no longer require transfers from the General Fund.
- Allows General Fund monies to be used toward other essential city expenditures.
- Even with increased rates, the SES department will be able to continue providing high quality services (MSW, Recycling, Brush, and Bulky Pickup) to all citizens at a competitive rate.

Discussion

Cost of Residential Hauling and Disposal Relative to Residential Collection and Administration

Fiscal Year	Total Expenditures Minus Residential Hauling and Disposal Costs	Non-Residential Revenue	Residential Revenue Requirement (Collections/Admin Only)	COF Transfer Station Tipping Fee	Residential Accounts	Disposal Cost per Ton	Total Cost of Hauling and Disposal (Residential)	Portion of Rate Related to Hauling and Disposal	Portion of Rate Related to Residential Collection and Administration	Total Rate	% "Customer Charge" of Required Rate
Projected 2025	\$ 12,351,663	\$ 4,274,395	\$ 8,077,268	\$ 65	25,244	\$ 48.46	\$1,321,262	\$4.36	\$ 26.66	\$31.03	86%
Projected 2026	\$ 12,998,763	\$ 4,612,356	\$ 8,386,408	\$ 70	25,665	\$ 50.84	\$1,409,076	\$4.58	\$ 27.23	\$31.81	86%
Projected 2027	\$ 14,007,680	\$ 4,638,256	\$ 9,369,424	\$ 70	26,086	\$ 60.17	\$1,695,239	\$5.42	\$ 29.93	\$35.35	85%
Projected 2028	\$ 14,649,252	\$ 4,974,426	\$ 9,674,827	\$ 75	26,507	\$ 63.13	\$1,807,297	\$5.68	\$ 30.42	\$36.10	84%
Projected 2029	\$ 15,393,282	\$ 5,002,176	\$ 10,391,106	\$ 75	26,928	\$ 66.24	\$1,926,347	\$5.96	\$ 32.16	\$38.12	84%



City of Franklin

109 3rd Ave S.
Franklin, TN 37064
(615) 791-3217

File #: 21-06361

DATE: April 29, 2024
TO: Board of Mayor and Aldermen
FROM: Eric Stuckey, City Administrator
Paul Holzen, Director of Engineering

SUBJECT:

*Consideration Of Resolution 2024-18, A Resolution Declaring Certain Sections Of Jordan Road Right-Of-Way As Surplus Real Property And Establishing Conditions For Disposal Of That Right-Of-Way
CIC 4/25/24, 3-0

PURPOSE:

The purpose of this memorandum is to provide information to the Franklin Board of Mayor and Aldermen (BOMA) concerning Resolution 2024-18, A Resolution Declaring Certain Sections Of Jordan Road Right-Of-Way As Surplus.

BACKGROUND/STAFF COMMENTS:

As part of the Jordan Road Preliminary Plat, the developer has requested the City of Franklin to abandon portions of the existing right-of-way as shown on Resolution 2024-18. By approving this resolution, the Board is determining that the existing right-of-way as shown on Exhibit A is no longer necessary. The right-of-way shall be vacated per our unused city right-of-way policy. The developer will be required to establish a public utility, access and drainage easement on 100% of the property being vacated. Prior to transferring ownership of the surplus right-of-way, the developer shall be required to make any and all improvements as required by the City Engineer. This will include removal of the existing pavement and regrading the excess right-of-way as approved by the City Engineer.

FINANCIAL IMPACT:

N/A

RECOMMENDATION:

Staff recommends that the Board of Mayor and Aldermen approve Resolution 2024-18.

RESOLUTION 2024-18

A RESOLUTION DECLARING CERTAIN SECTIONS OF JORDAN ROAD RIGHT-OF-WAY AS SURPLUS REAL PROPERTY AND ESTABLISHING CONDITIONS FOR DISPOSAL OF THAT RIGHT-OF-WAY

WHEREAS, the property known as Map 062; Parcel 3.00 is currently proposed for development and the owner has requested the City to abandon Right-of-Way located on Jordan Road as shown on Exhibit A;

WHEREAS, the Board of Mayor and Aldermen (BOMA) by approving this Resolution, are determining that the existing Right-of-Way located on Jordan Road as shown on Exhibit A is no longer necessary, suitable and desirable as public Right-of-Way; and

WHEREAS, because this Right-of-Way as shown on Exhibit A is no longer needed, the City now desires to declare the Right-of-Way as surplus property in order to sell or dispose of the property to the adjacent property owners; and

WHEREAS, this Right-of-Way shall be vacated per the City of Franklin's unused city Right-of-Way policy unless otherwise determined by the City Engineer; and

WHEREAS, the existing Right-of-Way would be considered a non-buildable lot and staff has determined the value to be less than \$25,000; and

WHEREAS, Municipal Code (Chapter 8; Sec. 5-802) allows for the BOMA to sell or dispose of real property by negotiated contract or by other means that will adequately protect the public interest when the value does not exceed \$25,000.

NOW THEREFORE, BE IT RESOLVED by the Board of Mayor and Aldermen of the City of Franklin, Tennessee, that the Right-of-Way as shown in attached Exhibit A is hereby declared surplus real property.

BE IT FURTHER RESOLVED by the Board of Mayor and Aldermen that the Right-of-Way so declared as surplus shall be dedicated to the adjacent property owners as negotiated by the City Engineer and approved by the City Administrator with the following conditions:

- 1) Require a Public Utility, Access and Drainage Easement on 100% of the property being vacated; and
- 2) Prior to transferring ownership of the surplus Right-of-Way, the property owner of Map 062; Parcel 3.00 shall be required to make any and all improvements as required by the City Engineer.

IT IS SO RESOLVED AND DONE on this _____ day of _____, 2024.

ATTEST:

CITY OF FRANKLIN, TENNESSE

By: _____

ERIC S. STUCKEY
City Administrator

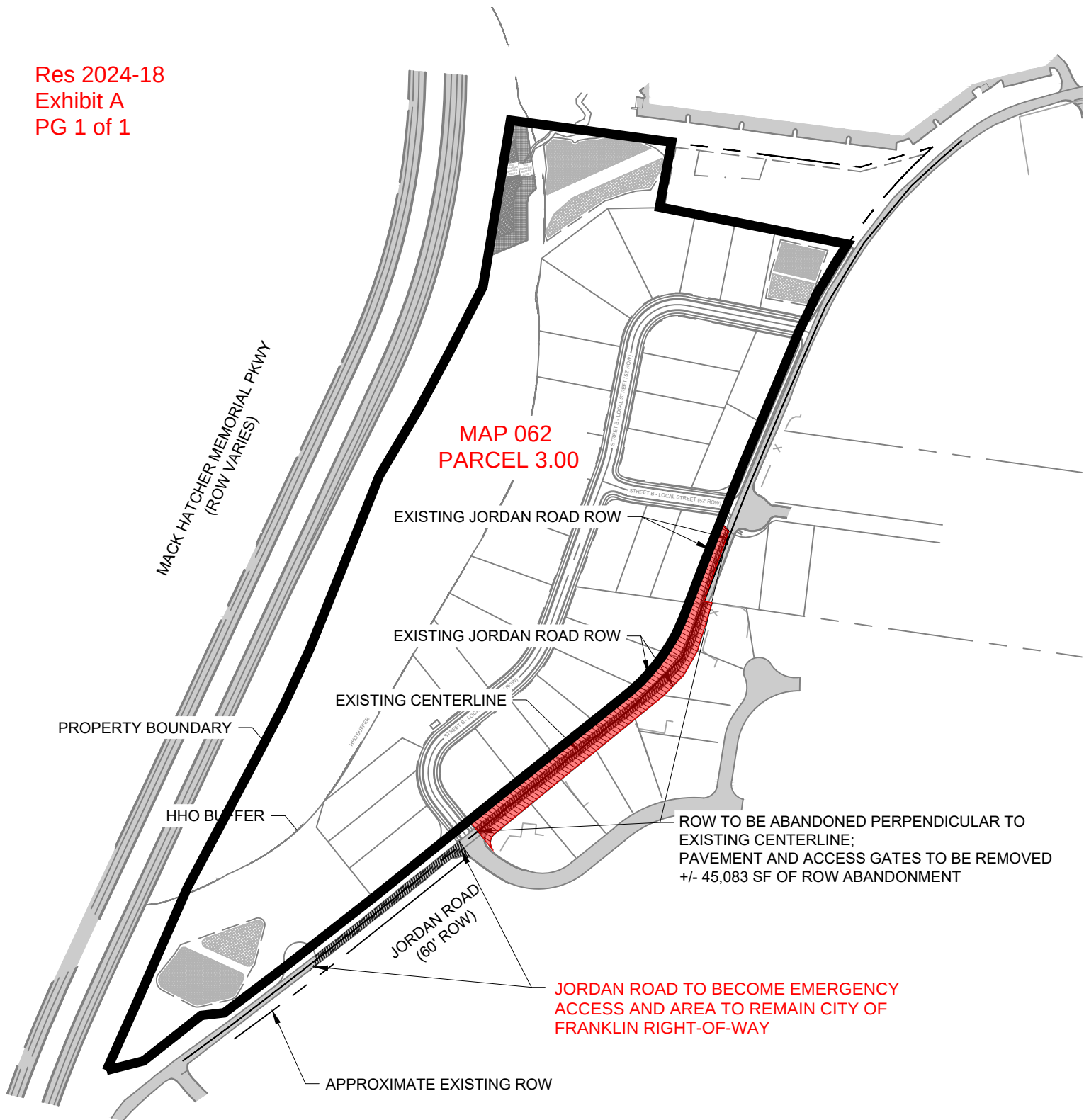
By: _____

DR. KEN MOORE
Mayor

Approved as to Form

By: _____

William E. Squires
Assistant City Attorney



Kimley»Horn

ROW EXHIBIT

JORDAN ROAD

March 15, 2024





File #: 21-0226

DATE: May 16, 2024
TO: Board of Mayor and Aldermen
FROM: Eric Stuckey, City Administrator
Paul Holzen, Director of Engineering
Jonathan Marston, Asst. Director of Engineering
David Hodnett, Staff Engineer

SUBJECT:

*Consideration Of Change Order 1 To COF Contract No. 2023-0024, With Bell & Associates Construction, LLC, For Bundled Bridges Construction & Rehabilitation For A Time Extension Of 66 Calendar Days And A Cost Increase Of \$51,792.18 To Cover Cost Of Repairing A Void Under The Approach Slab On Bakers Bridge Avenue

PURPOSE:

The purpose of this memorandum is to provide information to the Franklin Board of Mayor and Aldermen (BOMA) concerning Change Order No. 1 to COF Contract No. 2023-0024 With Bell & Associates Construction, LLC (Bell), for the Bundled Bridges Construction & Rehabilitation (Bundled Bridges) projects.

BACKGROUND/STAFF COMMENTS:

A Notice to Proceed to start construction was issued on March 18, 2024 to the contractor, Bell, to begin work on the Bakers Bridge Avenue project location as a part of the Bundled Bridges contract. The contractor began milling the existing asphalt on each end of the bridge next to the bridge expansion joint on Monday night, March 18th. Removal of the old concrete along the metal expansion joints began on March 19th and 20th. It came to the city's attention that a void had formed under a portion of the bridge approach slab, so construction was halted, and a structural engineering firm was quickly involved to investigate the void and any related issues. Of specific concern is what effect the void was having on the Mechanical Stabilized Earth (MSE) wall that holds the embankment in place under the bridge approach. A plan is now in-place to correct this situation, but it requires a change order to the contract to allow for the corrective work. Change Order 1 is in the amount of \$51,792.18, and allows for a time extension of 66 calendar days. This time extension allows for a nominal amount of time to actually perform the work, while the majority of the time extension is to allow for the delay incurred by the contractor while waiting for directions for corrective action. Previously, the City Administrator had authorized preparation for this work as an emergency action on behalf of the City/BOMA. The proposed action by the Board formalizes this repair through a change order to an existing bridge construction/rehabilitation contract.

FINANCIAL IMPACT:

Increase in contract cost of \$51,792.18, for a revised total contract cost of \$3,519,188.28.

RECOMMENDATION:

Staff recommends that the Board of Mayor and Aldermen approve Change Order 1 to COF Contract No. 2023-0024 with Bell & Associates Construction, LLC for the time extension of 66 calendar days and a cost increase of \$51,792.18.

CHANGE ORDER NO.: 1

Owner:	<u>City of Franklin, TN</u>
Engineer:	<u>City of Franklin, TN (COF) serving as "Engineer"</u>
Contractor:	<u>Bell & Associates Construction, LLC</u>
Project Name:	<u>Bundled Bridges Construction & Rehabilitation Bakers Bridge</u>
Owner's Contract No.:	<u>COF Contract No. 2023-0024</u>
Date Issued:	<u>May 10, 2024</u>
Effective Date of Change Order:	<u>May 10, 2024</u>

The Contract is modified as follows upon execution of this Change Order:

Description: **A Notice to Proceed to start construction was issued to the contractor, Bell & Associates Construction, LLC, to begin work on the Bakers Bridge Project March 18, 2024. The contractor began milling the existing asphalt on each end of the bridge next to the bridge expansion joint on Monday night March 18th. Removal of the old concrete along the metal expansion joints began on March 19th and 20th. It came to the City's attention that a void had formed under the bridge approach slab, so construction was halted and a structural engineering firm was brought in to investigate and analyze the void and what affect it was having on the Mechanical Stabilized Earth wall that holds the embankment in place under the bridge approach. We now have a plan to correct this situation and it will be by a Construction Change Order to the contractor in the amount of \$51,792.18.**

Attachments: **Attachment A from Bell Construction**

Change in Contract Price		Change in Contract Times [State Contract Times as number of days]	
Original Contract Price:		Original Contract Times:	
\$ <u>3,467,396.10</u>		Substantial Completion:	<u>May 17, 2024</u>
		Ready for final payment:	<u>June 17, 2024</u>
[Increase] [Decrease] from previously approved Change Orders No. 1 to No. [Number of previous Change Order]:		[Increase] [Decrease] from previously approved Change Orders No.1 to No. [Number of previous Change Order]:	
\$ <u>3,467,396.10</u>		Substantial Completion:	<u>May 17, 2024</u>
		Ready for final payment:	<u>June 17, 2024</u>
Contract Price prior to this Change Order:		Contract Times prior to this Change Order:	
\$ <u>3,467,396.10</u>		Substantial Completion:	<u>May 17, 2024</u>
		Ready for final payment:	<u>June 17, 2024</u>
[Increase] this Change Order:		[Increase] this Change Order:	
\$ <u>51,792.18</u>		Substantial Completion:	<u>July 22, 2024</u>
		Ready for final payment:	<u>August 22, 2024</u>
Contract Price incorporating this Change Order:		Contract Times with all approved Change Orders:	
\$ <u>3,519,188.28</u>		Substantial Completion:	<u>July 22, 2024</u>
		Ready for final payment:	<u>August 22, 2024</u>

MODIFIED - EJCDC® C-941, Change Order.

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EJCDC - 00941

Page 1 of 2

Law Dept approved 05.20.24

Recommended by Engineer		Recommended by Department Director	
By:	<u>David L. Hodnett</u>	By:	<u>Paul Holzen</u>
Signature:	<u></u>	Signature:	<u></u>
Title:	<u>Staff Engineer 2 (Project Manager)</u>	Title:	<u>Director of Engineering</u>
Date:	<u></u>	Date:	<u></u>

Contractor Approval		Authorized by Owner	
By:	<u></u>	By:	<u>Dr. Ken Moore</u>
Signature:	<u></u>	Signature:	<u></u>
Title:	<u></u>	Title:	<u>Mayor</u>
Date:	<u></u>	Date:	<u></u>



REQUEST FOR CHANGE ORDER NO.: 1

REFERENCE: BUNDLE BRIDGE - CITY OF FRANKLIN
CONTRACT NO.: 2023-001 : BAKERS BRIDGE

DATE: 4/24/2024

TO: DAVID HODNETT, P.E.
CITY OF FRANKLIN - ENG DEPT.
109 3RD AVENUE SOUTH, SUITE 133
FRANKLIN, TN 37064

MR HODNETT:

Per the City's request, below is BELL's pricing to perform the added scope of work to the Bakers Bridge location on the Bundled Bridge Project per the Repair Plans sent on 4/23/2024.

Item Number	Description	Quantity	UM	Unit Price	Total
202-03	Removal Of Rigid PVMT, Sidewalk, Etc.	2	S.Y.	\$766.20	\$1,532.40
204-05.01	Core Drilling and Sampling	6	L.F.	\$920.27	\$5,521.62
204-06.01	Flowable Fill (General)	18	C.Y.	\$521.58	\$9,388.44
604-03.01	Class A Concrete (Bridges)	1	C.Y.	\$11,206.64	\$11,206.64
604-10.89	Misc. Bridge Items (MSE Wall Repair)	1	LS	\$10,694.14	\$10,694.14
625-02.43	Concrete Coring	2	V.F.	\$5,952.90	\$11,905.80
701-01.02	Concrete Sidewalk (6")	18	S.F.	\$85.73	\$1,543.14
					\$51,792.18

Thank you and please do not hesitate to contact me if you have any questions or need additional information.

SINCERELY,

BELL & ASSOCIATES CONSTRUCTION, LLC

MACK RICHARDSON
PROJECT ENGINEER

**Bell and Associates Construction, LLC**

PO BOX 363 (37024)
1000 Health Park Drive, 3 - Suite 150
Brentwood, TN 37027

Phone: (615) 373-4343

Fax: (615) 373-9224

Contract : Bundle Bridge - Bakers Bridge
Description of Change Order: Bakers Bridge Void Repair
Item Number: 202-03
Item Description: Removal Of Rigid PVMT, Sidewalk, Etc.
Quantity: 2
Unit of Measure: S.Y.

Labor:

Employee Classification	Hourly Rate	No. of Employees	Hours Worked	Total Cost
Crane Operator	\$33.00			\$ -
Operator	\$30.00			\$ -
Foreman	\$37.00	1	5	\$ 185.00
Carpenter	\$29.00	2	5	\$ 290.00
Concrete Finisher	\$26.00			\$ -
Skilled Laborer	\$25.00	2	5	\$ 250.00
Crane Operator - OT	\$49.50			\$ -
Operator - OT	\$45.00			\$ -
Foreman - OT	\$55.50			\$ -
Carpenter - OT	\$43.50			\$ -
Concrete Finisher - OT	\$39.00			\$ -
Skilled Laborer - OT	\$37.50			\$ -
			Labor Subtotal	\$ 725.00
			Labor Burden	42.50% \$ 308.13
			Profit & Overhead	20.00% \$ 145.00
			Total Labor Cost	\$ 1,178.13

Equipment & Transport

Equipment	Houly Rate	Unit of Measure	Hours Used	Total Cost
Pick-up Truck	\$19.59	Hour	5	\$ 97.95
Air Compressor D210	\$47.08	Hour	5	\$ 235.40
SELECT	\$0.00	Hour		\$ -
SELECT	\$0.00	Hour		\$ -
SELECT	\$0.00	Hour		\$ -
			Total Equipment Cost	\$ 333.35

Materials

Description	Unit Price	UM	Quantity	Tax	Total Cost
				9.75%	\$ -
				9.75%	\$ -
				9.75%	\$ -
				9.75%	\$ -
				9.75%	\$ -
				\$	\$ -
				Subtotal	\$ -
				Profit & Overhead	15.00% \$ -
				Total Material Cost	\$ -

Subcontractors

Description of Work	Unit Price	Quantity	Unit of Measure	Total Cost
				\$ -
				\$ -
				\$ -
				\$ -
				\$ -
			Subtotal	\$ -
			FEE	5.00% \$ -
			Total Subcontractor Cost	\$ -

TOTALS

COST TO PERFORM WORK:	\$	1,511.48
INSURANCES:	0.38% \$	5.74
BOND:	1.00% \$	15.17
TOTAL PRICE:	\$	1,532.40
UNIT PRICE:	\$	766.20

**Bell and Associates Construction, LLC**

PO BOX 363 (37024)
1000 Health Park Drive, 3 - Suite 150
Brentwood, TN 37027

Phone: (615) 373-4343**Fax:** (615) 373-9224

Contract :	Bundle Bridge - Bakers Bridge	Item Number:	204-05.01
Description of Change Order:	Bakers Bridge Void Repair	Item Description:	Core Drilling and Sampling
		Quantity:	6
		Unit of Measure:	L.F.

Labor:

Employee Classification	Hourly Rate	No. of Employees	Hours Worked	Total Cost
Crane Operator	\$33.00			\$ -
Operator	\$30.00			\$ -
Foreman	\$37.00	1	8	\$ 296.00
Carpenter	\$29.00	2	8	\$ 464.00
Concrete Finisher	\$26.00			\$ -
Skilled Laborer	\$25.00	2	8	\$ 400.00
Crane Operator - OT	\$49.50			\$ -
Operator - OT	\$45.00			\$ -
Foreman - OT	\$55.50			\$ -
Carpenter - OT	\$43.50			\$ -
Concrete Finisher - OT	\$39.00			\$ -
Skilled Laborer - OT	\$37.50			\$ -
Labor Subtotal				\$ 1,160.00
Labor Burden				\$ 493.00
Profit & Overhead				\$ 232.00
Total Labor Cost				\$ 1,885.00

Equipment & Transport

Equipment	Hourly Rate	Unit of Measure	Hours Used	Total Cost
Pick-up Truck	\$19.59	Hour	8	\$ 156.72
SELECT	\$0.00	Hour		\$ -
SELECT	\$0.00	Hour		\$ -
SELECT	\$0.00	Hour		\$ -
SELECT	\$0.00	Hour		\$ -
Total Equipment Cost				\$ 156.72

Materials

Description	Unit Price	UM	Quantity	Tax	Total Cost
Misc. Materials	\$1,200.00	LS	1	9.75%	\$ 1,317.00
				9.75%	\$ -
				9.75%	\$ -
				9.75%	\$ -
				9.75%	\$ -
				9.75%	\$ -
Subtotal					\$ 1,317.00
Profit & Overhead				15.00%	\$ 197.55
Total Material Cost					\$ 1,514.55

Subcontractors

Description of Work	Unit Price	Quantity	Unit of Measure	Total Cost
Core Drilling	\$1,800.00	1	LS	\$ 1,800.00
				\$ -
				\$ -
				\$ -
				\$ -
Subtotal				\$ 1,800.00
FEE				5.00% \$ 90.00
Total Subcontractor Cost				\$ 1,890.00

TOTALS

COST TO PERFORM WORK:	\$	5,446.27
INSURANCES:	0.38% \$	20.70
BOND:	1.00% \$	54.67
TOTAL PRICE:	\$	5,521.64
UNIT PRICE:	\$	920.27

**Bell and Associates Construction, LLC**PO BOX 363 (37024)
1000 Health Park Drive, 3 - Suite 150
Brentwood, TN 37027**Phone:** (615) 373-4343**Fax:** (615) 373-9224

Contract :	Bundle Bridge - Bakers Bridge	Item Number:	204-06.01
Description of Change Order:	Bakers Bridge Void Repair	Item Description:	Flowable Fill (General)
		Quantity:	18
		Unit of Measure:	C.Y.

Labor:

Employee Classification	Hourly Rate	No. of Employees	Hours Worked	Total Cost
Crane Operator	\$33.00			\$ -
Operator	\$30.00			\$ -
Foreman	\$37.00	1	24	\$ 888.00
Carpenter	\$29.00	2	24	\$ 1,392.00
Concrete Finisher	\$26.00			\$ -
Skilled Laborer	\$25.00	2	24	\$ 1,200.00
Crane Operator - OT	\$49.50			\$ -
Operator - OT	\$45.00			\$ -
Foreman - OT	\$55.50			\$ -
Carpenter - OT	\$43.50			\$ -
Concrete Finisher - OT	\$39.00			\$ -
Skilled Laborer - OT	\$37.50			\$ -
Labor Subtotal				\$ 3,480.00
Labor Burden				42.50% \$ 1,479.00
Profit & Overhead				20.00% \$ 696.00
Total Labor Cost				\$ 5,655.00

Equipment & Transport

Equipment	Hourly Rate	Unit of Measure	Hours Used	Total Cost
Pick-up Truck	\$19.59	Hour	24	\$ 470.16
SELECT	\$0.00	Hour		\$ -
SELECT	\$0.00	Hour		\$ -
SELECT	\$0.00	Hour		\$ -
SELECT	\$0.00	Hour		\$ -
Total Equipment Cost				\$ 470.16

Materials

Description	Unit Price	UM	Quantity	Tax	Total Cost
Flowable Fill	\$138.00	CY	18	9.75%	\$ 2,726.19
				9.75%	\$ -
				9.75%	\$ -
				9.75%	\$ -
				9.75%	\$ -
				9.75%	\$ -
Subtotal					\$ 2,726.19
Profit & Overhead				15.00%	\$ 408.93
Total Material Cost					\$ 3,135.12

Subcontractors

Description of Work	Unit Price	Quantity	Unit of Measure	Total Cost
				\$ -
				\$ -
				\$ -
				\$ -
				\$ -
Subtotal				\$ -
FEE				5.00% \$ -
Total Subcontractor Cost				\$ -

TOTALS

COST TO PERFORM WORK:	\$	9,260.28
INSURANCES:	0.38% \$	35.19
BOND:	1.00% \$	92.95
TOTAL PRICE:	\$	9,388.42
UNIT PRICE:	\$	521.58

**Bell and Associates Construction, LLC**

PO BOX 363 (37024)
1000 Health Park Drive, 3 - Suite 150
Brentwood, TN 37027

Phone: (615) 373-4343**Fax:** (615) 373-9224

Contract :	Bundle Bridge - Bakers Bridge	Item Number:	604-03.01
Description of Change Order:	Bakers Bridge Void Repair	Item Description:	Class A Concrete (Bridges)
		Quantity:	1
		Unit of Measure:	C.Y.

Labor:

Employee Classification	Hourly Rate	No. of Employees	Hours Worked	Total Cost
Crane Operator	\$33.00			\$ -
Operator	\$30.00			\$ -
Foreman	\$37.00	1	16	\$ 592.00
Carpenter	\$29.00	2	16	\$ 928.00
Concrete Finisher	\$26.00			\$ -
Skilled Laborer	\$25.00	2	16	\$ 800.00
Crane Operator - OT	\$49.50			\$ -
Operator - OT	\$45.00			\$ -
Foreman - OT	\$55.50			\$ -
Carpenter - OT	\$43.50			\$ -
Concrete Finisher - OT	\$39.00			\$ -
Skilled Laborer - OT	\$37.50			\$ -

Labor Subtotal \$ 2,320.00

Labor Burden 42.50% \$ 986.00

Profit & Overhead 20.00% \$ 464.00

Total Labor Cost \$ 3,770.00

Equipment & Transport

Equipment	Hourly Rate	Unit of Measure	Hours Used	Total Cost
Pick-up Truck	\$19.59	Hour	16	\$ 313.44
Manlift 8K SJ86	\$166.51	Hour	16	\$ 2,664.16
Forklift-10K 10054	\$139.23	Hour	16	\$ 2,227.68
SELECT	\$0.00	Hour		\$ -
SELECT	\$0.00	Hour		\$ -

Total Equipment Cost \$ 5,205.28

Materials

Description	Unit Price	UM	Quantity	Tax	Total Cost
Misc. Materials	\$1,500.00	LS	1	9.75%	\$ 1,646.25
Concrete	\$146.75	CY	1	9.75%	\$ 161.06
				9.75%	\$ -
				9.75%	\$ -
				9.75%	\$ -
				9.75%	\$ -

Subtotal \$ 1,807.31

Profit & Overhead 15.00% \$ 271.10

Total Material Cost \$ 2,078.40

Subcontractors

Description of Work	Unit Price	Quantity	Unit of Measure	Total Cost
				\$ -
				\$ -
				\$ -
				\$ -
				\$ -

Subtotal \$ -

FEE 5.00% \$ -

Total Subcontractor Cost \$ -

TOTALS

COST TO PERFORM WORK:	\$	11,053.68
INSURANCES:	0.38%	\$ 42.00
BOND:	1.00%	\$ 110.96

TOTAL PRICE: \$ 11,206.64

UNIT PRICE: \$ 11,206.64

**Bell and Associates Construction, LLC**

PO BOX 363 (37024)
1000 Health Park Drive, 3 - Suite 150
Brentwood, TN 37027

Phone: (615) 373-4343**Fax:** (615) 373-9224

Contract :	Bundle Bridge - Bakers Bridge	Item Number:	604-10.89
Description of Change Order:	Bakers Bridge Void Repair	Item Description:	Misc. Bridge Items (MSE Wall Repair)
		Quantity:	1
		Unit of Measure:	LS

Labor:

Employee Classification	Hourly Rate	No. of Employees	Hours Worked	Total Cost
Crane Operator	\$33.00			\$ -
Operator	\$30.00	1	24	\$ 720.00
Foreman	\$37.00	1	24	\$ 888.00
Carpenter	\$29.00	2	24	\$ 1,392.00
Concrete Finisher	\$26.00			\$ -
Skilled Laborer	\$25.00	1	24	\$ 600.00
Crane Operator - OT	\$49.50			\$ -
Operator - OT	\$45.00			\$ -
Foreman - OT	\$55.50			\$ -
Carpenter - OT	\$43.50			\$ -
Concrete Finisher - OT	\$39.00			\$ -
Skilled Laborer - OT	\$37.50			\$ -
Labor Subtotal				\$ 3,600.00
Labor Burden				42.50% \$ 1,530.00
Profit & Overhead				20.00% \$ 720.00
Total Labor Cost				\$ 5,850.00

Equipment & Transport

Equipment	Houly Rate	Unit of Measure	Hours Used	Total Cost
Mini Excavator 18,000 - 21,000 TB290	\$90.58	Hour	24	\$ 2,173.92
SELECT	\$0.00	Hour		\$ -
SELECT	\$0.00	Hour		\$ -
SELECT	\$0.00	Hour		\$ -
SELECT	\$0.00	Hour		\$ -
Total Equipment Cost				\$ 2,173.92

Materials

Description	Unit Price	UM	Quantity	Tax	Total Cost
Misc. Materials	\$2,000.00	LS	1	9.75%	\$ 2,195.00
				9.75%	\$ -
				9.75%	\$ -
				9.75%	\$ -
				9.75%	\$ -
				9.75%	\$ -
Subtotal					\$ 2,195.00
Profit & Overhead				15.00%	\$ 329.25
Total Material Cost					\$ 2,524.25

Subcontractors

Description of Work	Unit Price	Quantity	Unit of Measure	Total Cost
				\$ -
				\$ -
				\$ -
				\$ -
				\$ -
Subtotal				\$ -
FEE				5.00% \$ -
Total Subcontractor Cost				\$ -

TOTALS

COST TO PERFORM WORK:	\$	10,548.17
INSURANCES:	0.38% \$	40.08
BOND:	1.00% \$	105.88
TOTAL PRICE:	\$	10,694.14
UNIT PRICE:	\$	10,694.14

**Bell and Associates Construction, LLC**

PO BOX 363 (37024)
1000 Health Park Drive, 3 - Suite 150
Brentwood, TN 37027

Phone: (615) 373-4343**Fax:** (615) 373-9224

Contract :	Bundle Bridge - Bakers Bridge	Item Number:	625-02.43
Description of Change Order:	Bakers Bridge Void Repair	Item Description:	Concrete Coring
		Quantity:	2
		Unit of Measure:	V.F.

Labor:

Employee Classification	Hourly Rate	No. of Employees	Hours Worked	Total Cost
Crane Operator	\$33.00			\$ -
Operator	\$30.00	1	10	\$ 300.00
Foreman	\$37.00	1	10	\$ 370.00
Carpenter	\$29.00	2	10	\$ 580.00
Concrete Finisher	\$26.00			\$ -
Skilled Laborer	\$25.00	1	10	\$ 250.00
Crane Operator - OT	\$49.50			\$ -
Operator - OT	\$45.00			\$ -
Foreman - OT	\$55.50			\$ -
Carpenter - OT	\$43.50			\$ -
Concrete Finisher - OT	\$39.00			\$ -
Skilled Laborer - OT	\$37.50			\$ -
Labor Subtotal				\$ 1,500.00
Labor Burden				\$ 637.50
Profit & Overhead				\$ 300.00
Total Labor Cost				\$ 2,437.50

Equipment & Transport

Equipment	Hourly Rate	Unit of Measure	Hours Used	Total Cost
Mini Excavator 18,000 - 21,000 TB290	\$90.58	Hour	10	\$ 905.80
SELECT	\$0.00	Hour		\$ -
SELECT	\$0.00	Hour		\$ -
SELECT	\$0.00	Hour		\$ -
SELECT	\$0.00	Hour		\$ -
Total Equipment Cost				\$ 905.80

Materials

Description	Unit Price	UM	Quantity	Tax	Total Cost
				9.75%	\$ -
				9.75%	\$ -
				9.75%	\$ -
				9.75%	\$ -
				9.75%	\$ -
				9.75%	\$ -
Subtotal					\$ -
Profit & Overhead				15.00%	\$ -
Total Material Cost					\$ -

Subcontractors

Description of Work	Unit Price	Quantity	Unit of Measure	Total Cost
Core Drilling	\$8,000.00	1	LS	\$ 8,000.00
				\$ -
				\$ -
				\$ -
				\$ -
Subtotal				\$ 8,000.00
FEE				5.00% \$ 400.00
Total Subcontractor Cost				\$ 8,400.00

TOTALS

COST TO PERFORM WORK:	\$	11,743.30
INSURANCES:	0.38% \$	44.62
BOND:	1.00% \$	117.88
TOTAL PRICE:	\$	11,905.80
UNIT PRICE:	\$	5,952.90

**Bell and Associates Construction, LLC**

PO BOX 363 (37024)
1000 Health Park Drive, 3 - Suite 150
Brentwood, TN 37027

Phone: (615) 373-4343**Fax:** (615) 373-9224

Contract :	Bundle Bridge - Bakers Bridge	Item Number:	701-01.02
Description of Change Order:	Bakers Bridge Void Repair	Item Description:	Concrete Sidewalk (6")
		Quantity:	18
		Unit of Measure:	S.F.

Labor:

Employee Classification	Hourly Rate	No. of Employees	Hours Worked	Total Cost
Crane Operator	\$33.00			\$ -
Operator	\$30.00			\$ -
Foreman	\$37.00	1	4	\$ 148.00
Carpenter	\$29.00	2	4	\$ 232.00
Concrete Finisher	\$26.00	2	4	\$ 208.00
Skilled Laborer	\$25.00			\$ -
Crane Operator - OT	\$49.50			\$ -
Operator - OT	\$45.00			\$ -
Foreman - OT	\$55.50			\$ -
Carpenter - OT	\$43.50			\$ -
Concrete Finisher - OT	\$39.00			\$ -
Skilled Laborer - OT	\$37.50			\$ -
Labor Subtotal				\$ 588.00
Labor Burden				42.50% \$ 249.90
Profit & Overhead				20.00% \$ 117.60
Total Labor Cost				\$ 955.50

Equipment & Transport

Equipment	Hourly Rate	Unit of Measure	Hours Used	Total Cost
Pick-up Truck	\$19.59	Hour	4	\$ 78.36
SELECT	\$0.00	Hour		\$ -
SELECT	\$0.00	Hour		\$ -
SELECT	\$0.00	Hour		\$ -
SELECT	\$0.00	Hour		\$ -
Total Equipment Cost				\$ 78.36

Materials

Description	Unit Price	UM	Quantity	Tax	Total Cost
Reinforcing Steel	\$0.80	LB	300	9.75%	\$ 263.40
Concrete	\$146.75	CY	1	9.75%	\$ 161.06
				9.75%	\$ -
				9.75%	\$ -
				9.75%	\$ -
				9.75%	\$ -
Subtotal					\$ 424.46
Profit & Overhead					15.00% \$ 63.67
Total Material Cost					\$ 488.13

Subcontractors

Description of Work	Unit Price	Quantity	Unit of Measure	Total Cost
				\$ -
				\$ -
				\$ -
				\$ -
				\$ -
Subtotal				\$ -
FEE				5.00% \$ -
Total Subcontractor Cost				\$ -

TOTALS

COST TO PERFORM WORK:	\$	1,521.99
INSURANCES:	0.38% \$	5.78
BOND:	1.00% \$	15.28
TOTAL PRICE:	\$	1,543.05
UNIT PRICE:	\$	85.73



File #: 21-0178

DATE: May 6, 2024
TO: Board of Mayor and Aldermen
FROM: Eric Stuckey, City Administrator
Paul Holzen, Director of Engineering
Adam Moser, Traffic Engineer

SUBJECT:

Consideration Of Amendment 1 To COF Contract No. 2019-0097, With The Tennessee Department Of Transportation For The SR-96 (Murfreesboro Road) Traffic Signal Improvement Project

PURPOSE:

The purpose of this memorandum is to provide information to the Franklin Board of Mayor and Aldermen (BOMA) concerning Amendment 1 to COF Contract 2019-0097 with the Tennessee Department of Transportation (TDOT). Amendment 1 adjusts the contract end date to July 31, 2024 and amends funding for the project.

BACKGROUND/STAFF COMMENTS:

The City entered into Contract 2019-0097 with TDOT in May 2019 for the SR-96 (Murfreesboro Road) Traffic Signal Improvement Project for 13 intersections located along SR-96 East. This is a Congestion Mitigation and Air Quality (CMAQ) grant funded project. Due to various bidding delays, the contract end date was pushed to July 31, 2024 and funding adjusted per the construction estimate. For reference, the project will need another amendment to adjust the contract end date due to construction integration, and for additional CMAQ funding (Federal funding) that was approved by the Metropolitan Planning Organization (MPO) to cover construction cost overruns.

FINANCIAL IMPACT:

CMAQ funding is 100% Federally funded unless cost overruns cannot be covered by adding additional CMAQ funding.

RECOMMENDATION:

Staff recommends that the Board of Mayor and Aldermen approve Amendment 1 to COF Contract No. 2019-0097.

Amendment to Replace Exhibit A and Change Completion Date

Amendment Number: 1**Agreement Number: 180180****Project Identification Number: 127913.00****Federal Project Number: CM-NH-96(59)****State Project Number: 94LPLM-F3-110**

THIS AGREEMENT AMENDMENT is made and entered into this _____ day of _____, 20____ by and between the STATE OF TENNESSEE DEPARTMENT OF TRANSPORTATION, an agency of the State of Tennessee (hereinafter called the "Department") and the CITY OF FRANKLIN (hereinafter called the "Agency"), for the purpose of providing an understanding among the parties of their respective obligations related to the management of the project described as:

SR-96 (Murfreesboro Road), From Eddy Lane to Arno Road

1. The language of Agreement # 180180 dated May 17, 2019 Exhibit A is hereby deleted in its entirety and replaced with the attached Exhibit A for Amendment 1 .
2. The language of Agreement # 180180 dated May 17, 2019 Section B.2 a) is hereby deleted in its entirety.
3. The following is added as B.2 a) .

B.2 a) The Agency agrees to complete the herein assigned phases of the Project on or before **July 31, 2024**. If the Agency does not complete the herein described phases of the Project within this time period, this Agreement will expire on the last day of scheduled completion as provided in this paragraph unless an extension of the time period is requested by the Agency and granted in writing by the Department prior to the expiration of the Agreement. An extension of the term of this Agreement will be effected through an amendment to the Agreement. Expiration of this Agreement will be considered termination of the Project. The cost of any work performed after the expiration date of the Agreement will not be reimbursed by the Department.

All provisions of the original contract not expressly amended hereby shall remain in full force and effect.

Amendment to Replace Exhibit A and Change Completion Date

IN WITNESS WHEREOF, the parties have caused this instrument to be executed by their respective authorized officials on the date first above written.

CITY OF FRANKLIN

Signature:

Email: ken.moore@franklin.tn.gov

**APPROVED AS TO
FORM AND LEGALITY**

Signature:

Email: blake.harper@franklin.tn.gov

**STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION**

B

Signature:

Email: TDOT.COMMISSIONER'S.Office@tn.gov

**APPROVED AS TO
FORM AND LEGALITY**

By

Signature:

Email: TDOT.Legal.Attorneys@tn.gov

]

Signature:

Email: Daniel.Pallme@tn.gov

EXHIBIT "A" for AMENDMENT 1

Agreement #: 180180

Project Identification #: 127913.00

Federal Project #: CM-NH-96(59)

State Project #: 94LPLM-F0-108

Project Description: SR-96 (Murfreesboro Road), From Eddy Lane to Arno Road - 2017 CMAQ Award: This project will improve 13 signalized intersections along SR-96 between Eddy Lane and Arno Road. These improvements will include Automated Traffic Signal Performance Measures (ATSPMs), Signal Phase and Timing Broadcasts using Dedicated Short Range Communications, the installation of Flashing Yellow Arrows, Advanced Traffic Controllers, and improved vehicle detection.

Change in Cost: Cost hereunder is controlled by the figures shown in the TIP and any amendments, adjustments or changes thereto.

Type of Work: Intelligent Transportation System

Phase	Funding Source	Fed %	State %	Local %	Estimated Cost
PE-NEPA	CMAQ	100	0	0	\$120,000.00
PE-DESIGN	CMAQ	100	0	0	\$180,000.00
CONSTRUCTION	CMAQ	100	0	0	\$638,255.40
CONSTRUCTION	CMAQ	80	0	20	\$104,182.00
CONSTRUCTION	LOCAL	0	0	100	\$227,406.60
CEI	CMAQ	100	0	0	\$92,165.00
TDOT ES	CMAQ	100	0	0	\$7,604.00

Ineligible Cost: One hundred percent (100%) of the actual cost will be paid from Agency funds if the use of said state or federal funds is ruled ineligible at any time by the Federal Highway Administration.

Legislative Authority: CMAQ: 23 U.S.C.A., Section 149, congestion Mitigation and Air Quality Improvement Program funds allocated or subject to allocation to the Agency

TDOT Engineering Services (TDOT ES): In order to comply with all federal and state laws, rules, and regulations, the TDOT Engineering Services line item in Exhibit A is placed there to ensure that TDOT's expenses associated with the project during construction are covered.

Amendment TIP

For federal funds included in this contract, the CFDA Number is 20.205, Highway Planning and Construction funding provided through an allocation from the US Department of Transportation.



File #: 21-0106

DATE: April 23, 2024
TO: Board of Mayor and Aldermen
FROM: Eric Stuckey, City Administrator
Paul Holzen, Director of Engineering
Jonathan Marston, Asst. Director of Engineering
David Hodnett, Staff Engineer
William Banks, Staff Engineer

SUBJECT:

Presentation On And Discussion About The Draft Right-Of-Way Plans For The "Liberty Pike & North Royal Oaks Boulevard/Mallory Lane Intersection Improvements" Project (COF Project No. 2017-005)

PURPOSE:

The purpose of this memorandum is to provide information to the Franklin Board of Mayor and Aldermen (BOMA) concerning the "Liberty Pike & North Royal Oaks Boulevard/Mallory Lane Intersection Improvements" (Liberty-Mallory) project (COF Project No. 2017-005) and to facilitate a discussion about next steps for this project.

BACKGROUND/STAFF COMMENTS:

With continued development in the Cool Springs area and along the Carothers Parkway corridor, recent traffic impact studies have consistently shown a need for upgrades to the intersection at Liberty Pike and North Royal Oaks Boulevard/Mallory Lane (Liberty-Mallory). On October 25, 2016, the BOMA approved Resolution 2016-69 to adopt the project list for Phase I of the fiscal years (FYs) 2017-2016 Capital Investment Program (CIP). Included in that approval was "Phase 1" of the Liberty-Mallory project. In 2016, the Liberty-Mallory project was planned as a traditional intersection widening with traffic signalization to continue. More specifically, the widening would have consisted of widening all the intersection approaches to seven (7) lanes:

- four (4) thru lanes - two (2) in each direction,
- two (2) left-turn lanes, and
- one (1) dedicated right-turn lane.

The project would have included a combination of sidewalks and/or multi-use trails on both sides of each street. The approval granted for "Phase I" of the project, at a 2016 preliminary estimated cost of \$2.2 million, was only intended to allow for the design and right-of-way acquisition necessary for the project, with actual funding approval for construction coming in a later approval cycle.

Following the adoption of the FYs 2017-2026 CIP project list, the BOMA approved a Professional Services Agreement (PSA), COF Contract No. 2017-0017, on February 14, 2017, with Vokert, Inc., who was one of the City's on-call traffic engineering consultants to perform the design of the intersection improvements at a cost of \$229,965. City staff received draft right-of-way plans in January 2018. Following comments by staff and revisions by the designers, a public meeting was held in August 2018 to present the near final plans to the public and to gather any additional feedback. The feedback from that meeting was:

Liberty Pike/Mallory Lane/N. Royal Oaks Intersection Improvements Summary of Comment Cards Public Meeting 8-30-18 Attendance - 18			
Do you support this project as presented?	Yes	5	28%
	No	8	44%
Do you support the pedestrian & bicycle accomodations?	Yes	10	56%
	No	5	28%
Should sidewalks be included with this project?	Yes	14	78%
	No	1	6%
Should a multi-use trail be included with this project?	Yes	8	44%
	No	6	33%
Requested roundabout option		8	44%

The concerns voiced at the public meeting were generally focused on issues such as: the impact of the proposed widened roadways & new sidewalks/multi-use paths on the adjacent properties, the restriction of left-turn movements near the improved intersection, and the impact of the proposed project on traffic at the intersection of Stanwick Drive & Liberty Pike. Following the presentation of these public meeting results to the Capital Investment Committee (CIC), staff was directed to analyze some additional design options.

In early 2019, staff presented 3 new conceptual design options and the original design, along with projected Levels of Service (LOS) for each concept for the years of 2020, 2030 and 2040. The 4 options presented for consideration to the BOMA were:

- Option 1A - Ultimate Signalized Intersection (Original Design / Full Build-Out)
- Option 1B - Minimal Signalized Intersection
- Option 1C - Optimal Signalized Intersection
- Option 2 - Roundabout Intersection

These 4 conceptual design options, along with the projected traffic LOS data have been included in your packet as Exhibit A and Exhibit B, respectively. With the information presented, the BOMA chose to proceed with "Option 2 - Roundabout Intersection" with its approval of Resolution 2019-18 on April 23, 2019.

While detailed discussions were happening with regard to the Liberty-Mallory project, the BOMA was also working through its review and prioritization of the FY 2019-2028 CIP. On August 13, 2019, the BOMA approved Resolution 2019-68 to adopt the project list for the FY 2019-2028 CIP. Included in

the list of 30 approved projects was the Mallory-Liberty project as a roundabout design concept, per direction given via Resolution 2019-18, with a preliminary estimated total project cost of \$15 million in 2019 figures. With recent spikes in inflation, this total project cost is anticipated to be closer to \$21 million.

A specific topic of concern with respect to this project, regardless of its design, has been its potential impacts on adjacent property owners. The total area of property acquisition (i.e., permanent, fee simple right-of-way acquisition, permanent easements, and temporary easements, according to the draft right-of-way plan set for each design concept, is as follows:

	RIGHT-OF-WAY	EASEMENTS			
		PERMANENT		TEMPORARY	
		DRAINAGE	UTILITY	SLOPE	CONSTRUCTION
	(ACRES)	(SQ. FT.)	(SQ. FT.)	(SQ. FT.)	(SQ. FT.)
CURRENT DESIGN (<i>ROUNDAABOUTS</i>)	1.253	3,682	40,949	35,926	52,539
ORIGINAL DESIGN (<i>SIGNALIZED</i>)	1.917	22,346	N/A *	27,808	46,217
* NOTE: Estimated easements for utilities were not included in the draft ROW plans for the original design.					

What this data shows is that property impacts, when taken overall, are not drastically different between the 2 project designs. The difference lies with the location of the impacts, which requires a closer look at each plan set.

Following the approval of the FYs 2019-2028 CIP, the BOMA approved a PSA, COF Contract No. 2019-0261, with Volkert on September 10, 2019, to redesign the Mallory-Liberty project with multi-lane roundabout intersections at the primary intersection of Liberty Pike and North Royal Oaks Boulevard / Mallory Lane and the secondary intersection of Liberty Pike and Stanwick Drive. This PSA also included an update to the survey, basic utility relocation designs, subsurface drainage investigation & design along North Royal Oaks Boulevard, and landscape plans for the roundabout center islands. The total contract ceiling of this PSA is \$466,295.

As design was progressing, staff requested additional services, specifically Subsurface Utility Engineering (SUE), to better determine the location of existing underground utilities, which should help mitigate potential conflicts with proposed infrastructure. The primary goal being to avoid costly delays during construction due to unnecessary design conflicts. Therefore, the BOMA approved a PSA, COF Contract No. 2021-0271, with Ground Penetrating Radar Systems, LLC (GPR) on November 23, 2021 for the amount of \$44,250. This information has been integrated into the current design.

City staff worked with the designer to get the project ready for the presentation of draft right-of-way plans at a public meeting. After review of the plans by staff and corrections by the designer, the right-of-way plans are ready to be presented to the public. Following any minor revisions and coordination with affected utility providers, the next major step is to move into right-of-way and easement acquisition. However, staff first wanted to present the draft right-of-way plans to the BOMA and allow them to finalize the ongoing reprioritization of the CIP, before moving the project forward.

FINANCIAL IMPACT:

As of May 16, 2024, the expenses to-date for this project total \$723,971.04 and have been billed to the Capital Project Fund (310), which corresponds to a General Ledger (GL) code of 310-89420-43100. A summary of the expenses associated with this project to-date is shown in the following table:

COF Contract No.	Vendor	Purpose	Amount		
			Ceiling	Spent-to-Date	Remaining
2017-0017	Volkert, Inc.	Original Design	\$ 229,965.00	\$ 227,592.00	\$ 2,373.00
N/A	Williamson Herald	Public Meeting Notice	\$ 76.00	\$ 76.00	\$ -
2019-0261	Volkert, Inc.	Revised Design	\$ 466,295.00	\$ 463,681.04	\$ 2,613.96
2021-0271	Ground Penetrating Radar, Inc.	Subsurf. Util. Engr. (SUE)	\$ 44,250.00	\$ 32,622.00	\$ 11,628.00
Totals:			\$ 740,586.00	\$ 723,971.04	\$ 16,614.96

The original design concept, as approved in 2016, as a widened version of the existing signalized intersection had an estimated preliminary total project cost of \$4.44 million, with \$2.70 million estimated for the construction phase. During the preparation of the FYs 2024-2033 CIP documentation for discussion and consideration by the BOMA, staff performed high-level cost estimate updates for previously unapproved and approved, but yet uncompleted projects. The latest estimated preliminary total cost for the current iteration of the Liberty-Mallory project stands at \$21 million, with \$16.8 million estimated for the construction phase.

However, to accurately compare the costs of the original design to the new design, one must account for inflation and other cost increases. To more accurately compare the estimated costs of the 2 project concepts, the following data sources were utilized:

- [Zillow.com](https://www.zillow.com) - Zillow Home Value Index (ZHVI) - Franklin, TN Average Home Price - April 2016 = \$429,533; April 2024 = \$875,018; Increase of 103.7%
- [Greenstreet.com](https://www.greenstreet.com) - Green Street Commercial Property Price Index (CPPI) - Nationwide - April 2016 = 125.3; April 2024 = 121.8; Decrease of 2.8%
- [FHWA.DOT.gov](https://www.fhwa.dot.gov) - National Highway Construction Cost Index (NHCCI) - Nationwide - 2016 Q3 = 1.680; 2023 Q3 = 3.146; Increase of 87.3% (Average Increase of 9.8% per year)

By applying the factors listed above to the estimated preliminary total project cost listed in 2016 for the original concept of this project, that original cost would need to be inflated to approximately \$7.4 million (2024 figures) to allow for a valid comparison of the estimated preliminary total project costs listed for each design.

RECOMMENDATION:

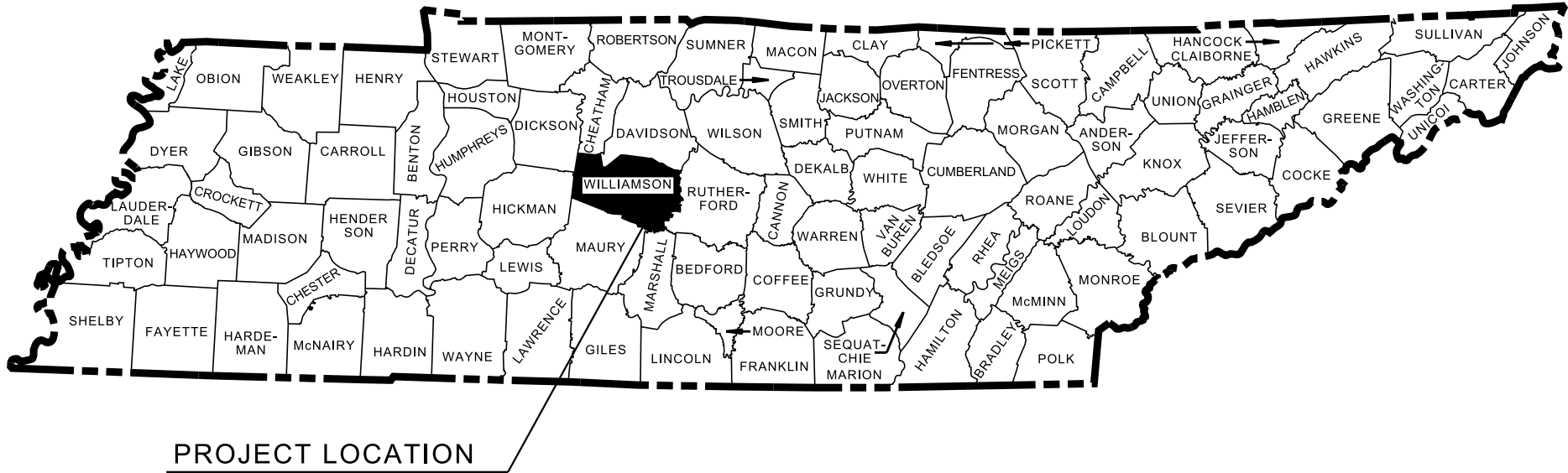
Following a presentation of the draft right-of-way plans, staff seeks input about the project from the BOMA prior to scheduling a public meeting.

DEPARTMENT OF ENGINEERING
FRANKLIN, TENNESSEE

MALLORY LANE
AT LIBERTY PIKE

RIGHT-OF-WAY
GRADING, DRAINAGE, BASE, PAVING,
SIGNAGE, MARKING, UTILITIES, & LIGHTING

CITY OF FRANKLIN	YEAR	SHEET NO.
	2023	1
PROJECT 2017-005	MALLORY LANE AT LIBERTY PIKE	



BEGIN CONSTRUCTION
STA. 101+60.00
LIBERTY PIKE

BEGIN CONSTRUCTION
STA. 400+10.00
ROYAL OAKS BOULEVARD/
MALLORY LANE

END CONSTRUCTION
STA. 506+00.00
ROYAL OAKS BOULEVARD/
MALLORY LANE

END CONSTRUCTION
STA. 307+00.00
LIBERTY PIKE

APPROVED:
PAUL HOLZEN, P.E.
DIRECTOR OF ENGINEERING
DATE

SPECIAL NOTES

PROPOSALS MAY BE REJECTED BY THE CITY OF FRANKLIN IF ANY OF THE UNIT PRICES
CONTAINED THEREIN ARE OBVIOUSLY UNBALANCED, EITHER EXCESSIVE OR BELOW
THE REASONABLE COST ANALYSIS VALUE.

THIS PROJECT TO BE CONSTRUCTED UNDER THE STANDARD SPECIFICATIONS OF
THE TENNESSEE DEPARTMENT OF TRANSPORTATION DATED JANUARY 1, 2015 AND
ADDITIONAL SPECIFICATIONS AND SPECIAL PROVISIONS CONTAINED IN THE PLANS
AND IN THE PROPOSAL CONTRACT.

CITY OF FRANKLIN ENGINEERING DEPT. _____ PAUL HOLZEN, P.E.
DESIGNED BY _____ VOLKERT, INC. _____ DIRECTOR OF ENGINEERING
DESIGNER _____ KENNETH SHELTON, P.E.
CHECKED BY _____ DENNIS BOUTON, P.E.

PROJECT LENGTH (LIBERTY PIKE) 0.409 MILES
PROJECT LENGTH (ROYAL OAKS BLVD./MALLORY LANE) 0.268 MILES

PLANS PREPARED BY:

VOLKERT

SEALED BY

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REVISIONS		DESCRIPTION	
NO	DATE	BY	

Volkert

302 INNOVATION DRIVE, FRANKLIN, TN 37067
PHONE: (615) 656-1845 FAX: (615) 656-1870

INDEX OF SHEETS

MALLORY LANE / LIBERTY PIKE
FRANKLIN, TENNESSEE

DATE: _____

DESIGNED BY: _____

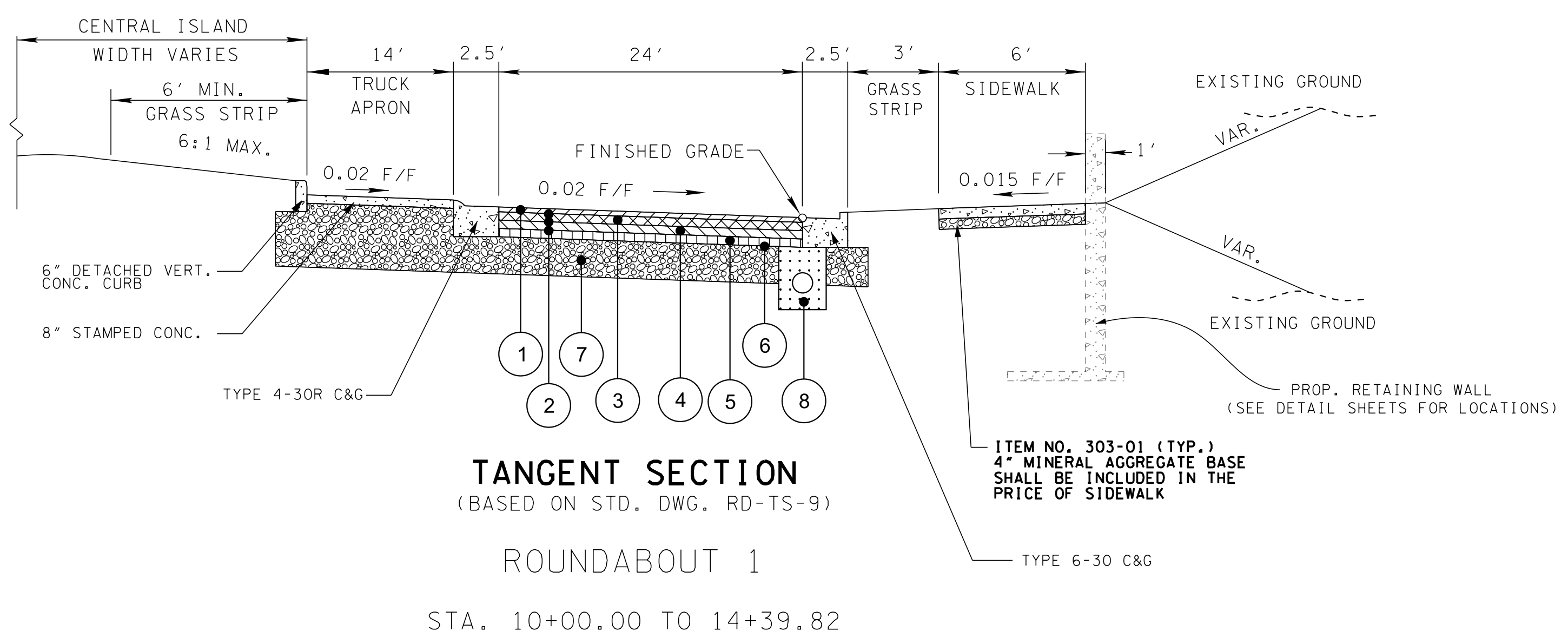
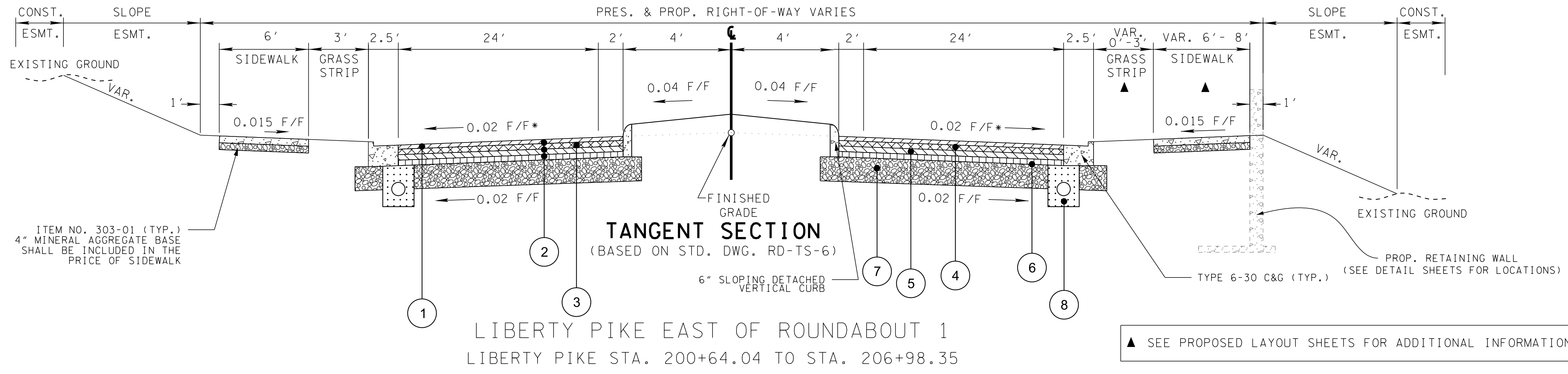
DRAWN BY: _____

SUPERVISED BY: _____

CHECKED BY: _____

YEAR: 2023

SHEET NO: 1A



PAVEMENT SCHEDULE	
1 BITUMINOUS SURFACE COURSE @ 1.5" THICK (APPROX. 159 LB./S.Y.) ITEM NO. 411-03.10 ACS MIX (PG 76-22) GRADING D RDWY	5 BITUMINOUS AGGREGATE BASE @ 4.0" THICK (APPROX. 360 LB./S.Y.) ITEM NO. 307-01.21 ASPHALT CONCRETE MIX (PG 70-22) (BPMB-HM) GRADING A-S
2 TRACKLESS TACK COAT @ 0.05 GAL./S.Y. ITEM NO. 403-02.01 ASPHALT CEMENT FOR TACK COAT (TC)	6 PRIME COAT ITEM NO. 402-01 BITUMINOUS MATERIAL FOR PRIME COAT (PC) @ 0.30-0.35 GAL./S.Y. ITEM NO. 402-02 AGGREGATE FOR COVER MATERIAL (PC) @ 8-12 LB./S.Y.
3 ASPHALT BINDER @ 2.0" THICK (APPROX. 226 LB./S.Y.) ITEM NO. 307-02.08 ASPHALT CONCRETE MIX (PG 70-22) (BPMB-HM) GRADING B-M2	7 MINERAL AGGREGATE BASE @ 10.0" THICK ITEM NO. 303-01 MINERAL AGGREGATE, TYPE A BASE, GRADING D
4 BITUMINOUS AGGREGATE BASE @ 4.0" THICK (APPROX. 460 LB./S.Y.) ITEM NO. 307-02.01 ASPHALT CONCRETE MIX (PG 70-22) (BPMB-HM) GRADING A	8 AGGREGATE UNDERDRAIN WITH PIPE ITEM NO. 710-02 DETAIL "A" STD. DWG. RD-UD-3

REVISIONS

NO.	DATE	BY	DESCRIPTION

TYPICAL SECTIONS

MALLORY LANE / LIBERTY PIKE
FRANKLIN, TENNESSEE

DATE: _____

DESIGNED BY: _____

DRAWN BY: _____

SUPERVISED BY: _____

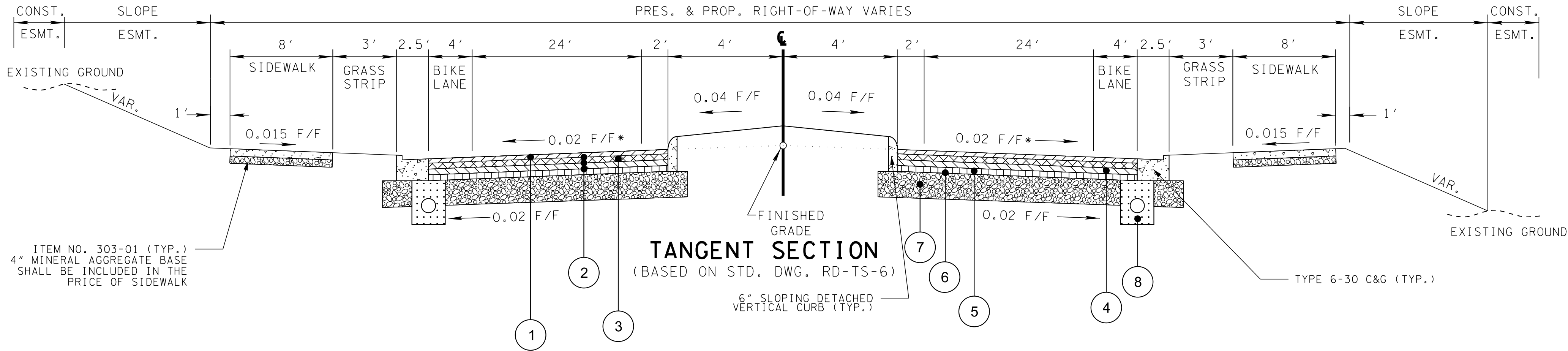
CHECKED BY: _____

YEAR: 2023

SHEET NO: 2B1

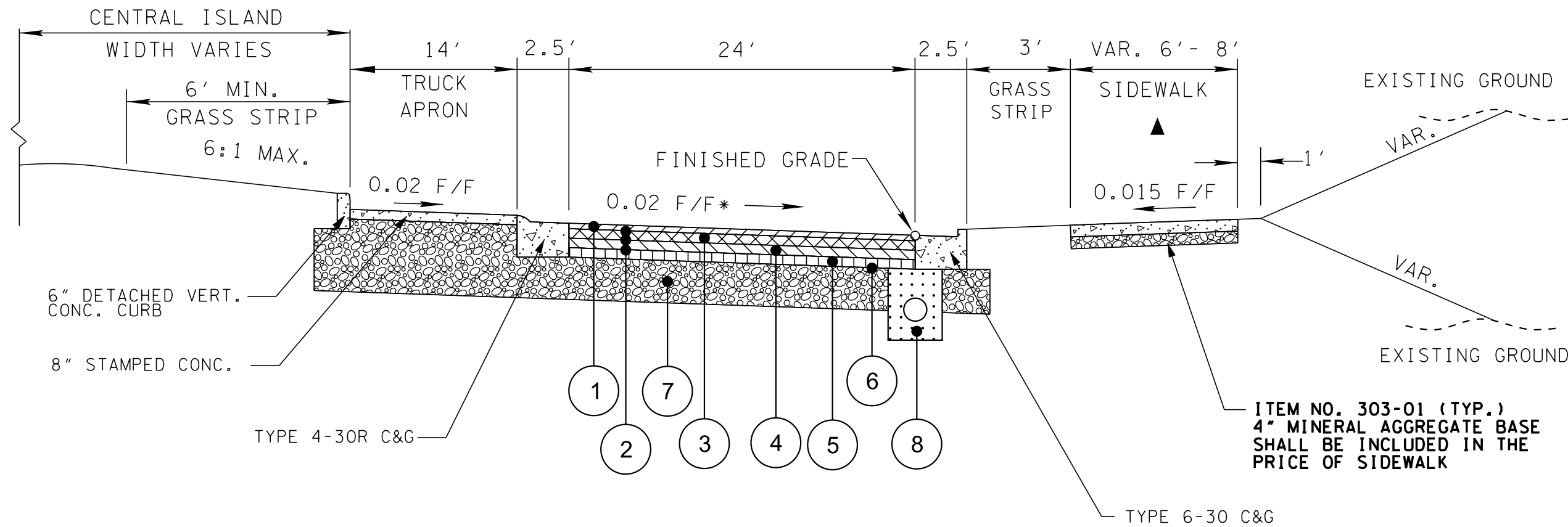
Volkert

302 INNOVATION DRIVE, FRANKLIN, TN 37067
PHONE: (615) 656-1845 FAX: (615) 656-1870



LIBERTY PIKE EAST OF ROUNDABOUT 2
LIBERTY PIKE STA. 300+77.89 TO STA. 305+37.44

* SLOPE MAY VARY. SEE DETAIL SHEETS AND PROFILES FOR ADDITIONAL INFORMATION REGARDING CROSS SLOPES.



TANGENT SECTION
(BASED ON STD. DWG. RD-TS-9)

ROUNDABOUT 2

STA. 20+00.00 TO 24+90.09

▲ SEE PROPOSED LAYOUT SHEETS FOR ADDITIONAL INFORMATION

PAVEMENT SCHEDULE	
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REVISIONS	
NO.	DESCRIPTION

Volkert

302 INNOVATION DRIVE, FRANKLIN, TN 37067
PHONE: (615) 656-1845 FAX: (615) 656-1870

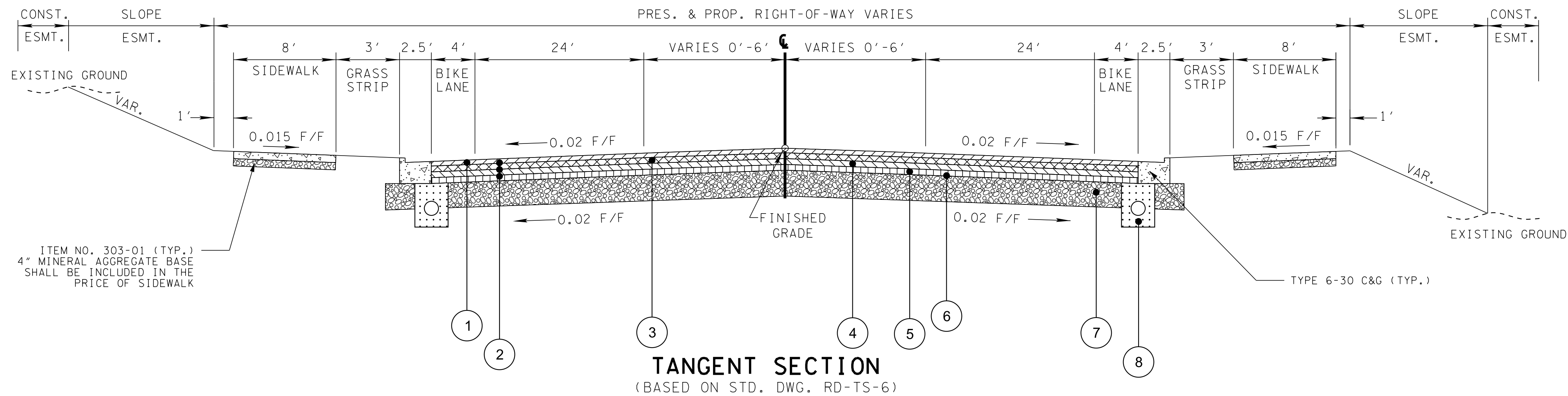
TYPICAL SECTIONS

MALLORY LANE / LIBERTY PIKE
FRANKLIN, TENNESSEE

DATE: _____
DESIGNED BY: _____
DRAWN BY: _____
SUPERVISED BY: _____
CHECKED BY: _____

YEAR: 2023

SHEET NO: 2B2



LIBERTY PIKE EAST OF ROUNDABOUT 2
LIBERTY PIKE STA. 305+37.44 TO STA. 307+00.00

PAVEMENT SCHEDULE	
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REVISIONS		DESCRIPTION	
NO.	DATE	BY	

Volkert

302 INNOVATION DRIVE, FRANKLIN, TN 37067
PHONE: (615) 656-1845 FAX: (615) 656-1870

TYPICAL SECTIONS

MALLORY LANE / LIBERTY PIKE
FRANKLIN, TENNESSEE

DATE: _____

DESIGNED BY: _____

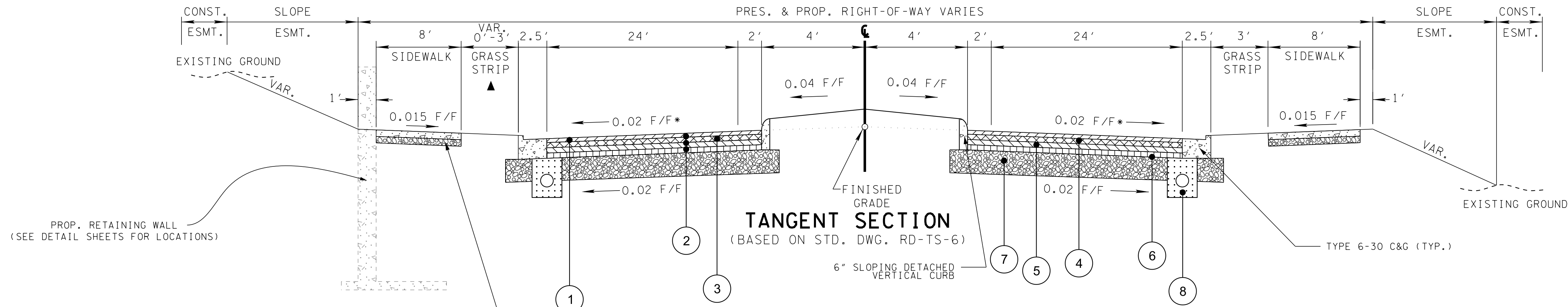
DRAWN BY: _____

SUPERVISED BY: _____

CHECKED BY: _____

YEAR: 2023

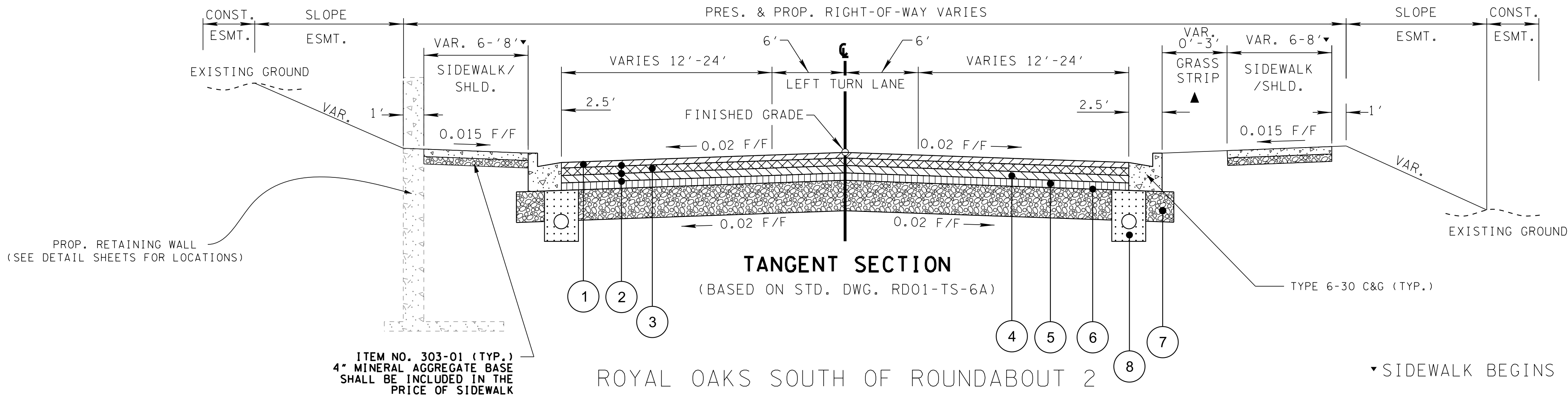
SHEET NO: 2B3



ROYAL OAKS SOUTH OF ROUNDABOUT 2
ROYAL OAKS BLVD. STA. 406+40.00 TO STA. 407+66.79

▲ SEE PROPOSED LAYOUT SHEETS FOR ADDITIONAL INFORMATION

* SLOPE MAY VARY. SEE DETAIL SHEETS AND PROFILES FOR ADDITIONAL INFORMATION REGARDING CROSS SLOPES.



ROYAL OAKS SOUTH OF ROUNDABOUT 2
ROYAL OAKS BLVD. STA. 400+10.00 TO STA. 406+40.00

▼ SIDEWALK BEGINS AT STA. 401+90.00

PAVEMENT SCHEDULE	
1 BITUMINOUS SURFACE COURSE @ 1.5" THICK (APPROX. 159 LB./S.Y.) ITEM NO. 411-03.10 ACS MIX (PG 76-22) GRADING D RDWY	5 BITUMINOUS AGGREGATE BASE @ 4.0" THICK (APPROX. 360 LB./S.Y.) ITEM NO. 307-01.21 ASPHALT CONCRETE MIX (PG 70-22) (BPMB-HM) GRADING A-S
2 TRACKLESS TACK COAT @ 0.05 GAL./S.Y. ITEM NO. 403-02.01 ASPHALT CEMENT FOR TACK COAT (TC)	6 PRIME COAT ITEM NO. 402-01 BITUMINOUS MATERIAL FOR PRIME COAT (PC) @ 0.30-0.35 GAL./S.Y. ITEM NO. 402-02 AGGREGATE FOR COVER MATERIAL (PC) @ 8-12 LB./S.Y.
3 ASPHALT BINDER @ 2.0" THICK (APPROX. 226 LB./S.Y.) ITEM NO. 307-02.08 ASPHALT CONCRETE MIX (PG 70-22) (BPMB-HM) GRADING B-M2	7 MINERAL AGGREGATE BASE @ 10.0" THICK ITEM NO. 303-01 MINERAL AGGREGATE, TYPE A BASE, GRADING D
4 BITUMINOUS AGGREGATE BASE @ 4.0" THICK (APPROX. 460 LB./S.Y.) ITEM NO. 307-02.01 ASPHALT CONCRETE MIX (PG 70-22) (BPMB-HM) GRADING A	8 AGGREGATE UNDERDRAIN WITH PIPE ITEM NO. 710-02 DETAIL "A" STD. DWG. RD-UD-3

REVISECTIONS
NO. DATE BY DESCRIPTION

DATE: _____
DESIGNED BY: _____
DRAWN BY: _____
SUPERVISED BY: _____
CHECKED BY: _____

YEAR: 2023

SHEET NO: 2B4

TYPICAL SECTIONS

MALLORY LANE / LIBERTY PIKE
FRANKLIN, TENNESSEE

Volkert

302 INNOVATION DRIVE, FRANKLIN, TN 37067
PHONE: (615) 656-1845 FAX: (615) 656-1870

[illegible]

VOLKERT

302 INNOVATION DRIVE, FRANKLIN, TN 37067
PHONE: (615) 656-1845 FAX: (615) 656-1870

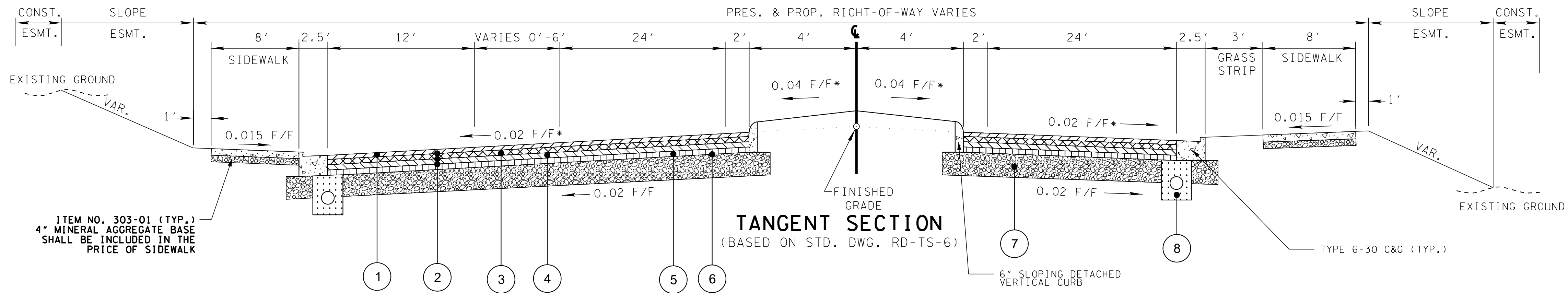
TYPICAL SECTIONS

MALLORY LANE / LIBERTY PIKE
FRANKLIN, TENNESSEE

DATE: _____
DESIGNED BY: _____
DRAWN BY: _____
SUPERVISED BY: _____
CHECKED BY: _____

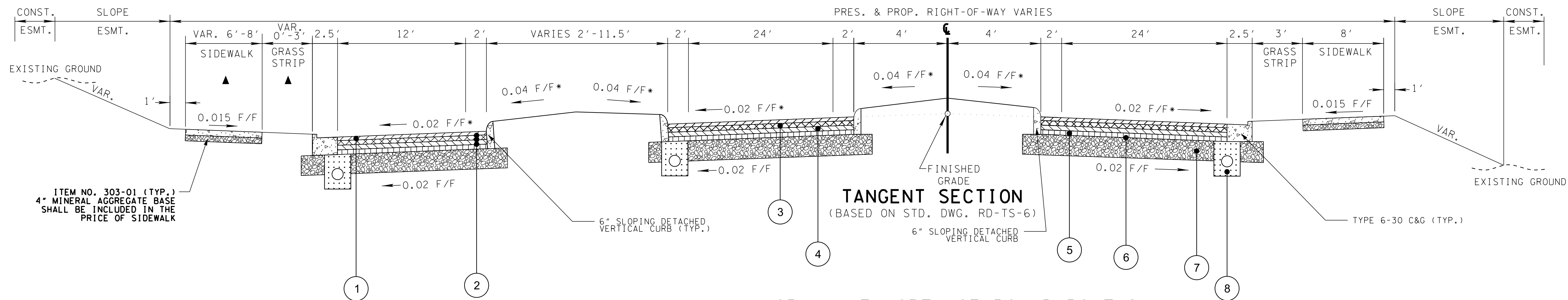
YEAR: 2023

SHEET NO: 2B5



MALLORY LANE NORTH OF ROUNDABOUT 2
MALLORY LANE STA. 501+37.43 TO STA. 506+00.00

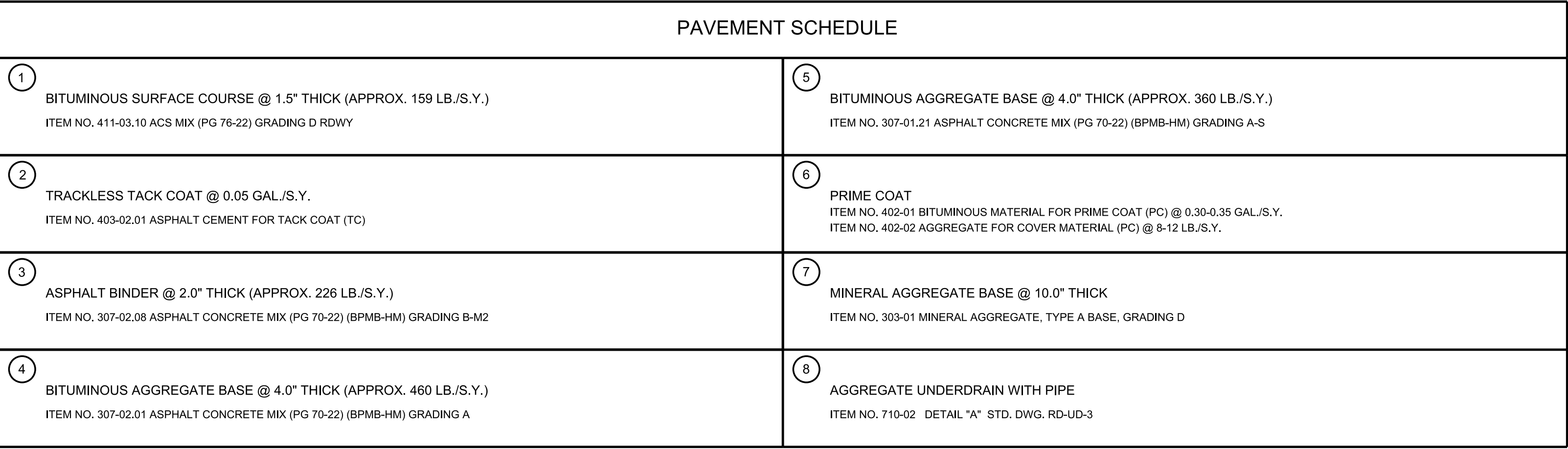
* SLOPE MAY VARY. SEE DETAIL SHEETS AND PROFILES FOR ADDITIONAL INFORMATION REGARDING CROSS SLOPES.



MALLORY LANE NORTH OF ROUNDABOUT 2
MALLORY LANE STA. 500+60.16 TO STA. 501+37.43

▲ SEE PROPOSED LAYOUT SHEETS FOR ADDITIONAL INFORMATION

PAVEMENT SCHEDULE	
① BITUMINOUS SURFACE COURSE @ 1.5" THICK (APPROX. 159 LB./S.Y.) ITEM NO. 411-03.10 ACS MIX (PG 76-22) GRADING D RDWY	⑤ BITUMINOUS AGGREGATE BASE @ 4.0" THICK (APPROX. 360 LB./S.Y.) ITEM NO. 307-01.21 ASPHALT CONCRETE MIX (PG 70-22) (BPMB-HM) GRADING A-S
② TRACKLESS TACK COAT @ 0.05 GAL./S.Y. ITEM NO. 403-02.01 ASPHALT CEMENT FOR TACK COAT (TC)	⑥ PRIME COAT ITEM NO. 402-01 BITUMINOUS MATERIAL FOR PRIME COAT (PC) @ 0.30-0.35 GAL./S.Y. ITEM NO. 402-02 AGGREGATE FOR COVER MATERIAL (PC) @ 8-12 LB./S.Y.
③ ASPHALT BINDER @ 2.0" THICK (APPROX. 226 LB./S.Y.) ITEM NO. 307-02.08 ASPHALT CONCRETE MIX (PG 70-22) (BPMB-HM) GRADING B-M2	⑦ MINERAL AGGREGATE BASE @ 10.0" THICK ITEM NO. 303-01 MINERAL AGGREGATE, TYPE A BASE, GRADING D
④ BITUMINOUS AGGREGATE BASE @ 4.0" THICK (APPROX. 460 LB./S.Y.) ITEM NO. 307-02.01 ASPHALT CONCRETE MIX (PG 70-22) (BPMB-HM) GRADING A	⑧ AGGREGATE UNDERDRAIN WITH PIPE ITEM NO. 710-02 DETAIL "A" STD. DWG. RD-UD-3

[illegible]

VOLKERT

302 INNOVATION DRIVE, FRANKLIN, TN 37067
PHONE: (615) 656-1845 FAX: (615) 656-1870

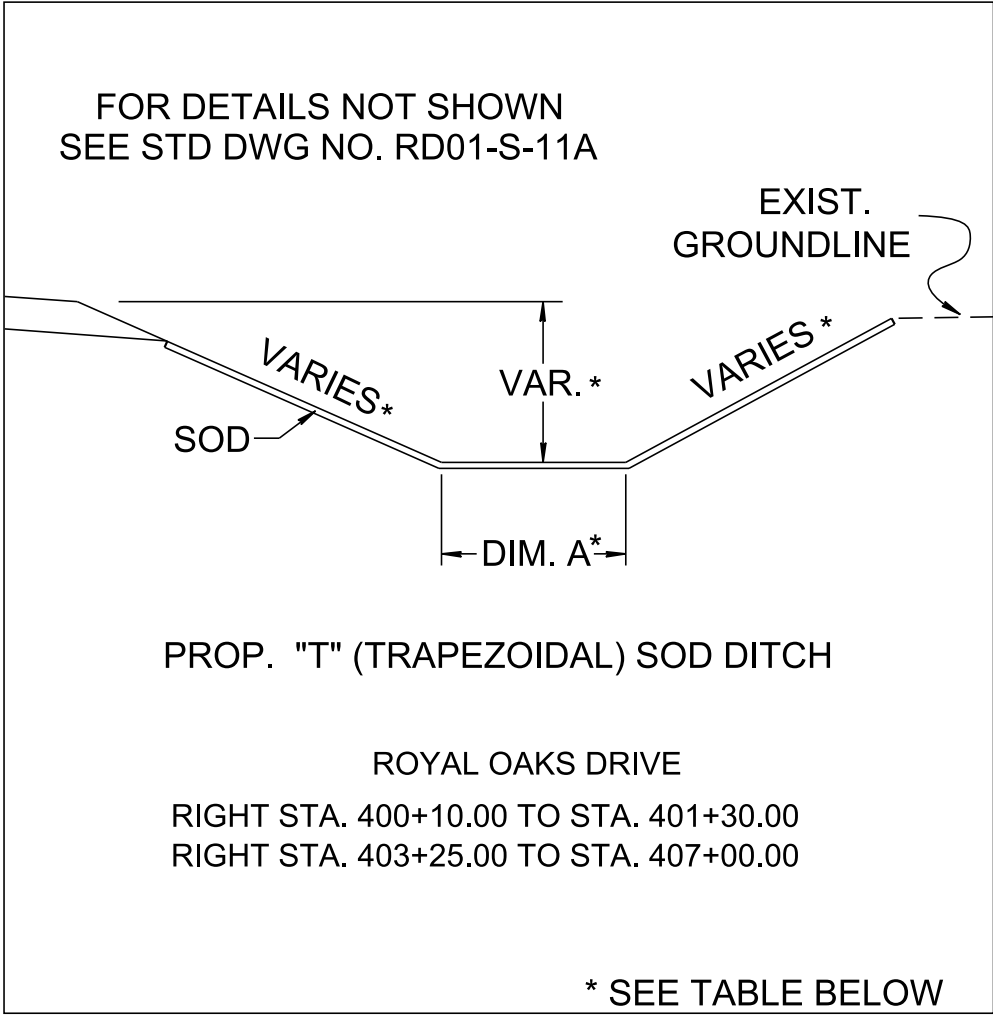
TYPICAL SECTIONS

MALLORY LANE / LIBERTY PIKE
FRANKLIN, TENNESSEE

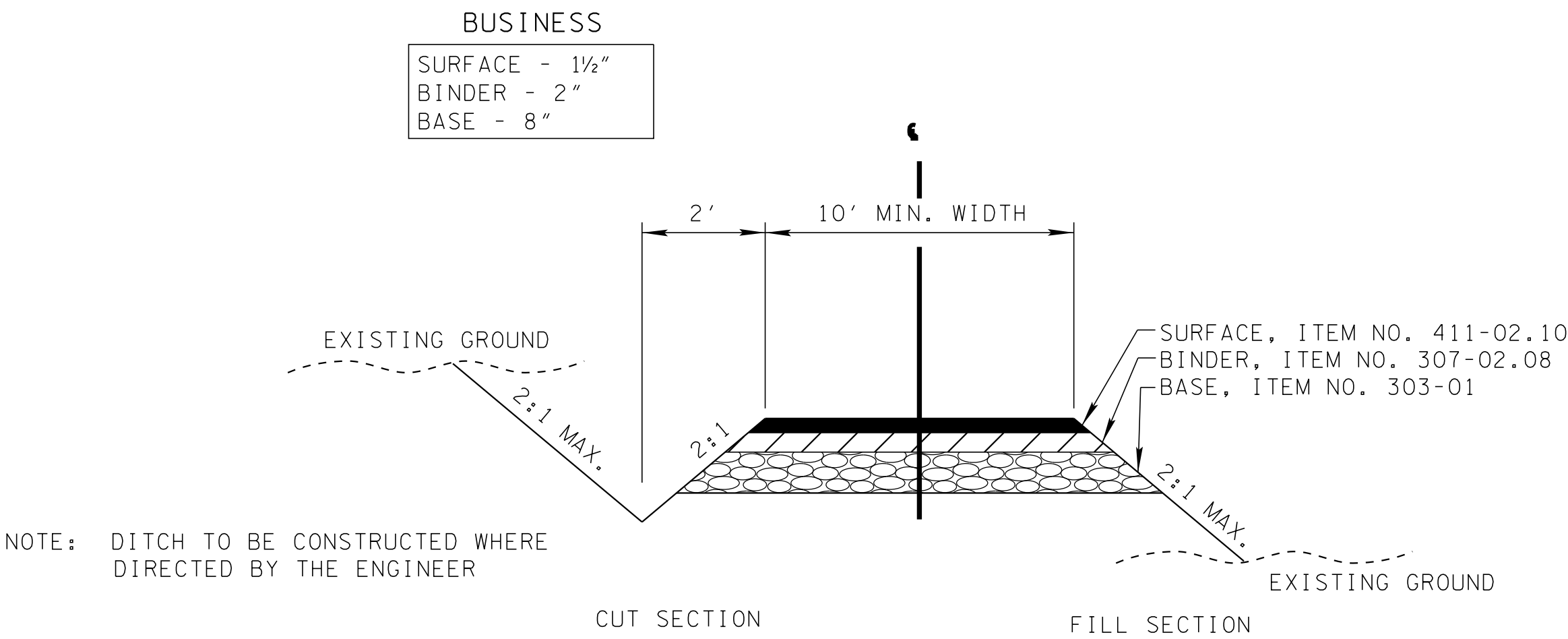
DATE: _____
DESIGNED BY: _____
DRAWN BY: _____
SUPERVISED BY: _____
CHECKED BY: _____

YEAR: 2023

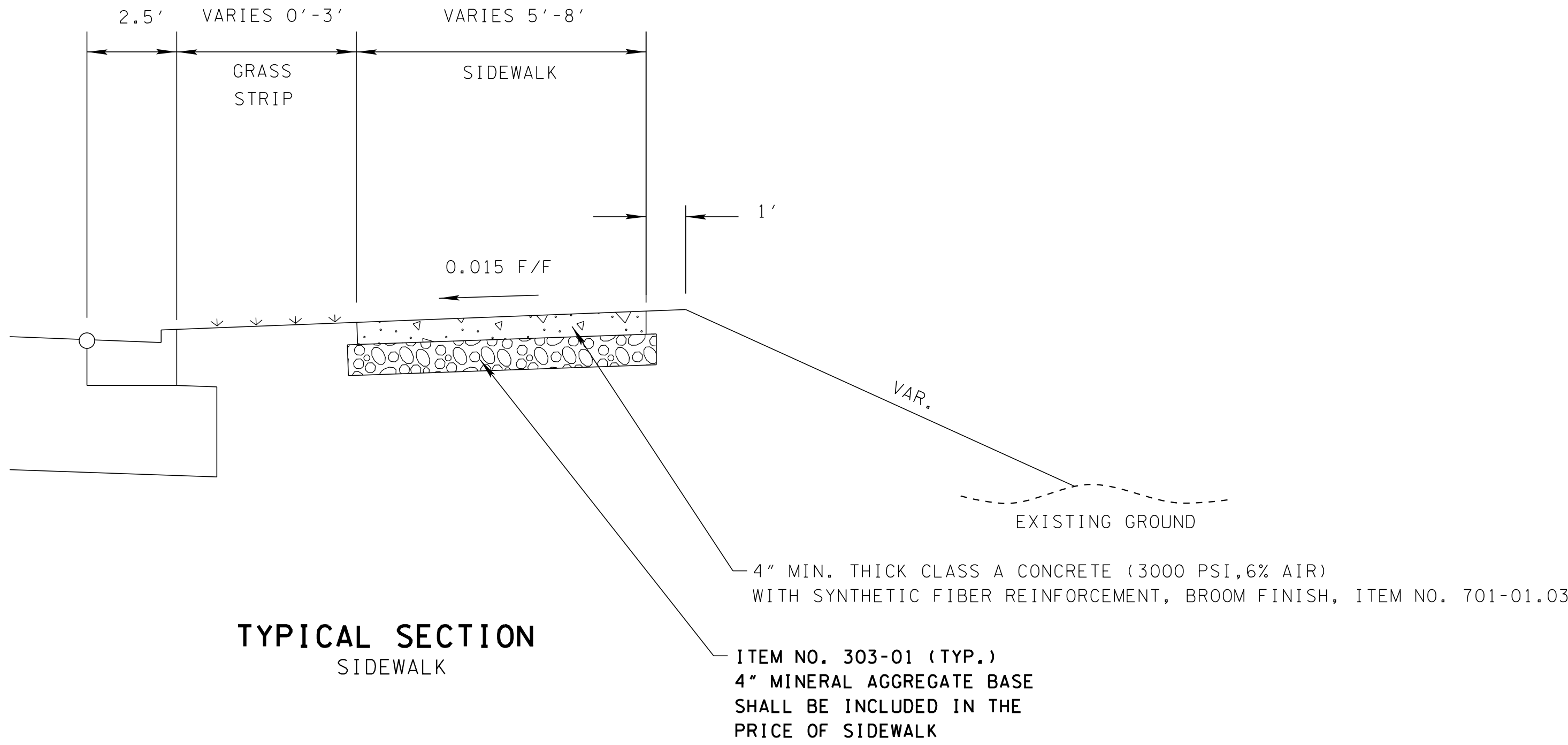
SHEET NO: 2B6



SPECIAL DITCH TYPICAL



TYPICAL SECTION
PRIVATE DRIVE



TYPICAL SECTION
SIDEWALK

REVISIONS		DESCRIPTION	
NO	DATE	BY	

Volkert

302 INNOVATION DRIVE, FRANKLIN, TN 37067
PHONE: (615) 656-1845 FAX: (615) 656-1870

TYPICAL SECTIONS

MALLORY LANE / LIBERTY PIKE
FRANKLIN, TENNESSEE

DATE: _____

DESIGNED BY: _____

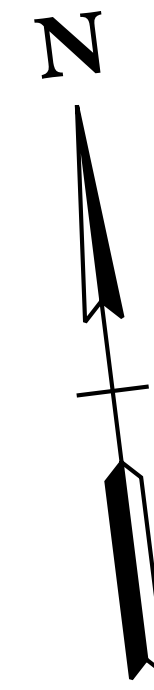
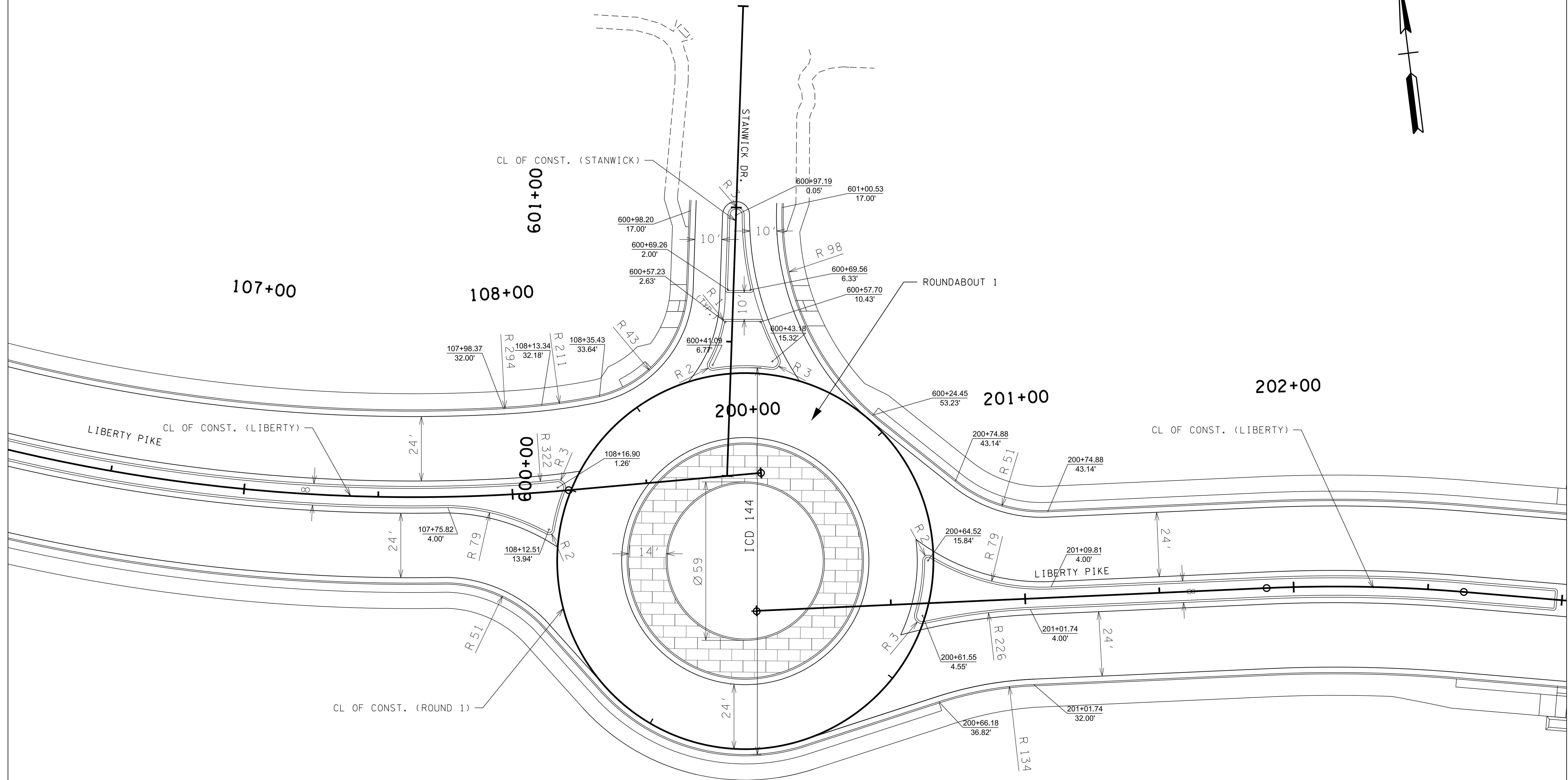
DRAWN BY: _____

SUPERVISED BY: _____

CHECKED BY: _____

YEAR: 2023

SHEET NO: 2B7

[illegible]

VOLKERT

BRENTWOOD COMMONS, 750 OLD HICKORY BLVD.
SUITE 230-1, BRENTWOOD, TN 37027
PHONE: (615) 656-1845 FAX: (615) 656-1870

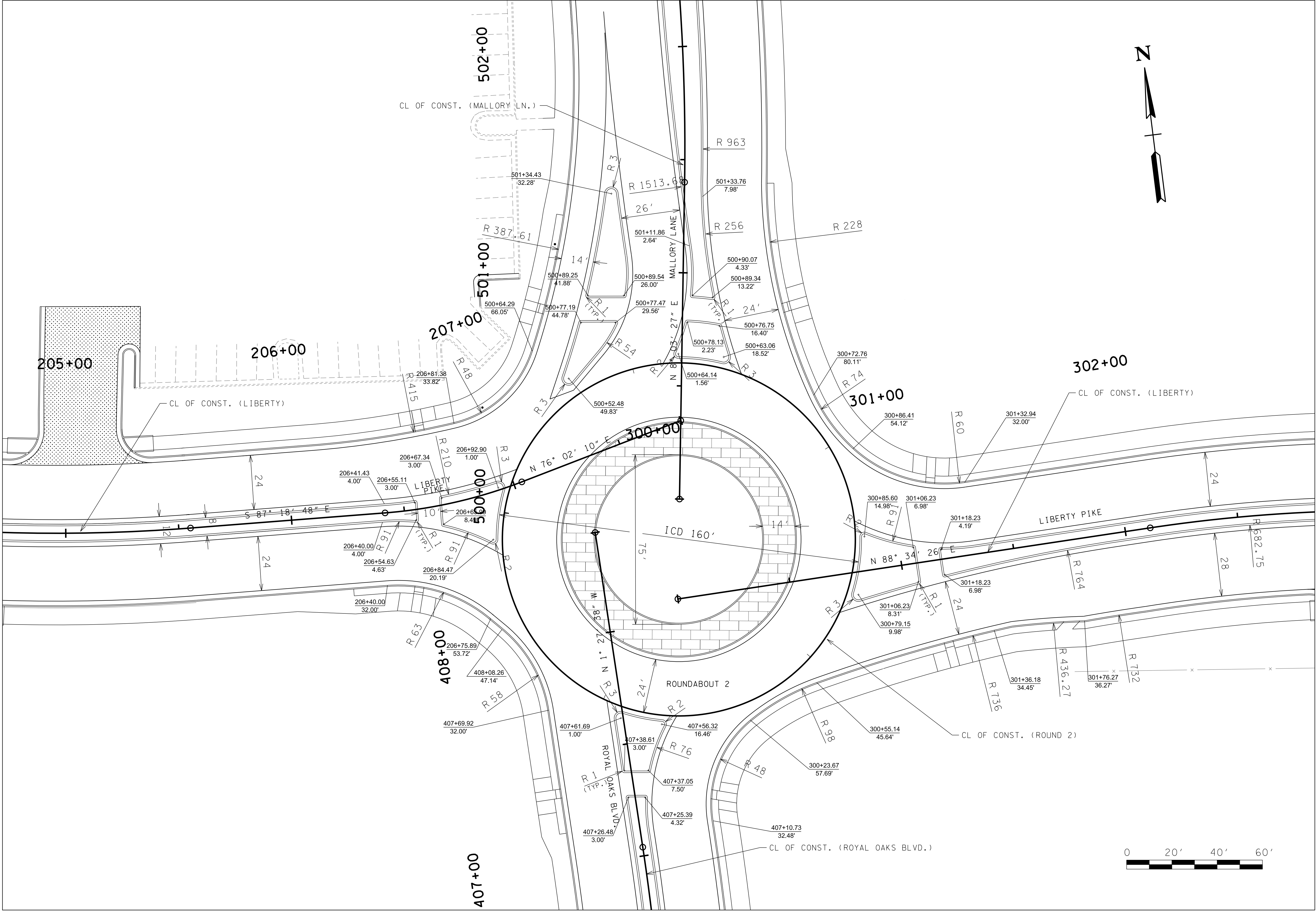
ROUNDABOUT DETAILS
(ROUNDABOUT 1)

MALLORY LANE / LIBERTY PIKE
FRANKLIN, TENNESSEE

DATE: _____
DESIGNED BY: _____
DRAWN BY: _____
SUPERVISED BY: _____
CHECKED BY: _____

YEAR:	2023
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SHEET NO: 2F



REVISIONS		DESCRIPTION	
NO	DATE	BY	

ROUNDABOUT DETAILS
(ROUNDABOUT 2)

MALLORY LANE / LIBERTY PIKE
FRANKLIN, TENNESSEE

DATE: _____

DESIGNED BY: _____

DRAWN BY: _____

SUPERVISED BY: _____

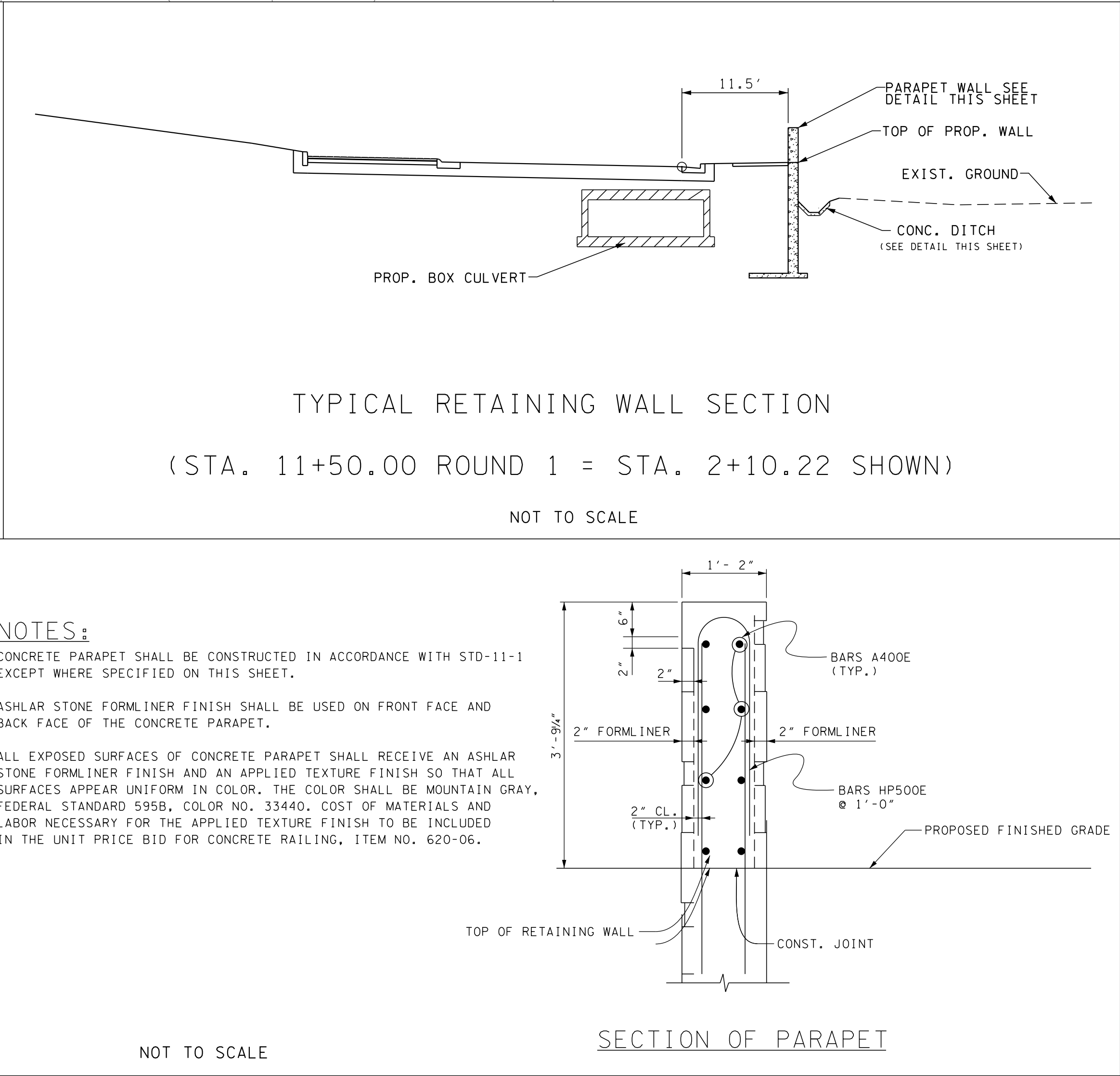
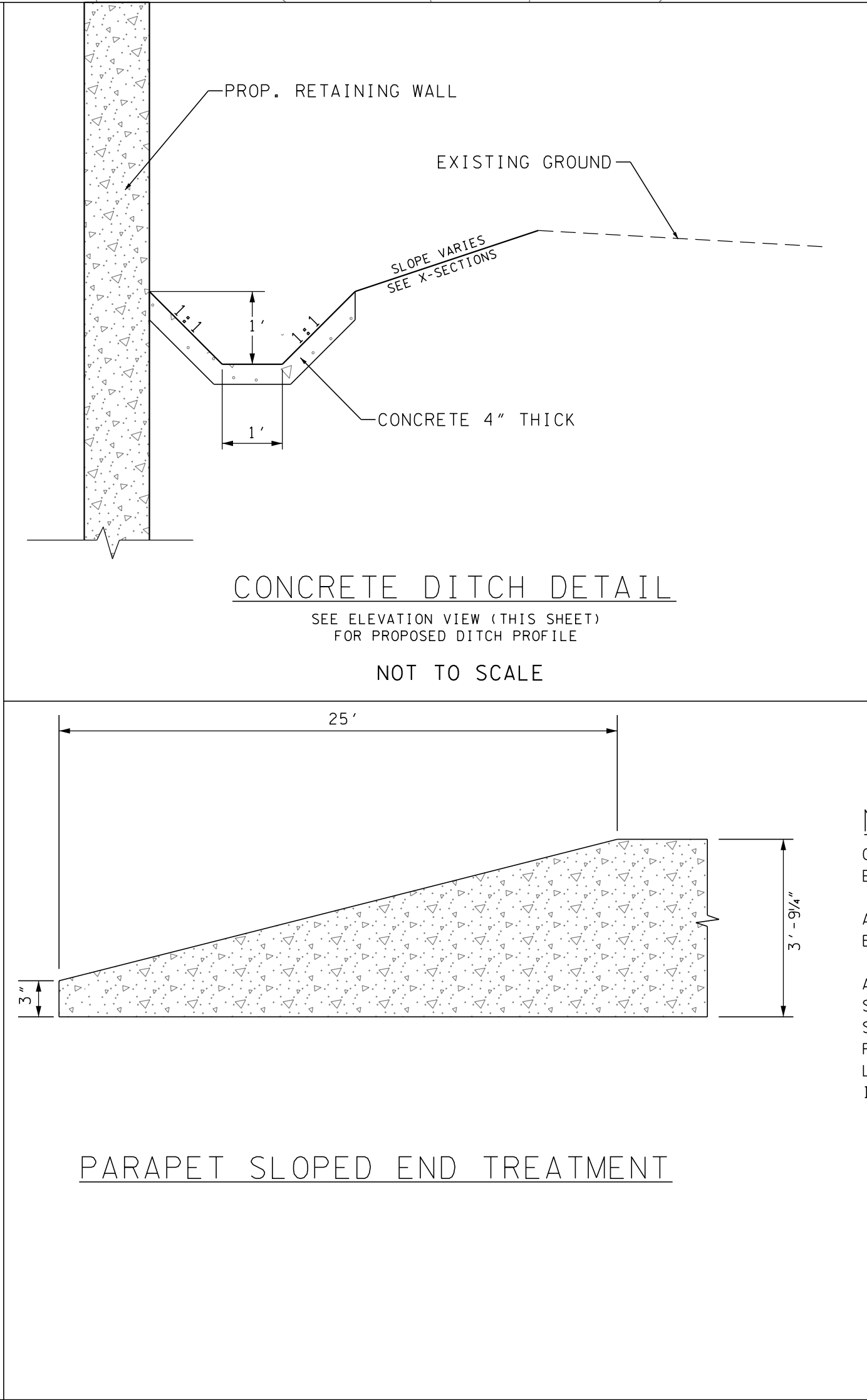
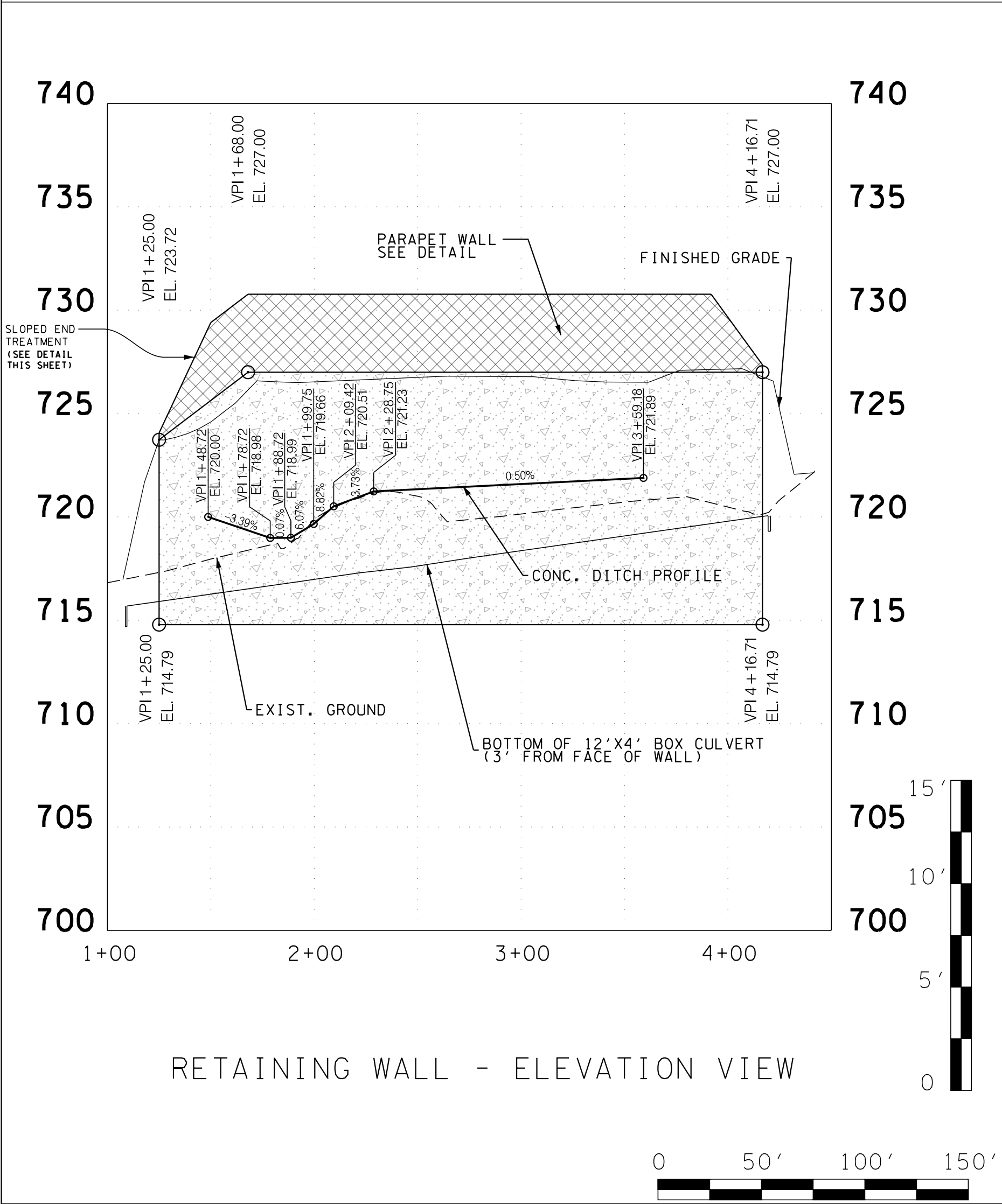
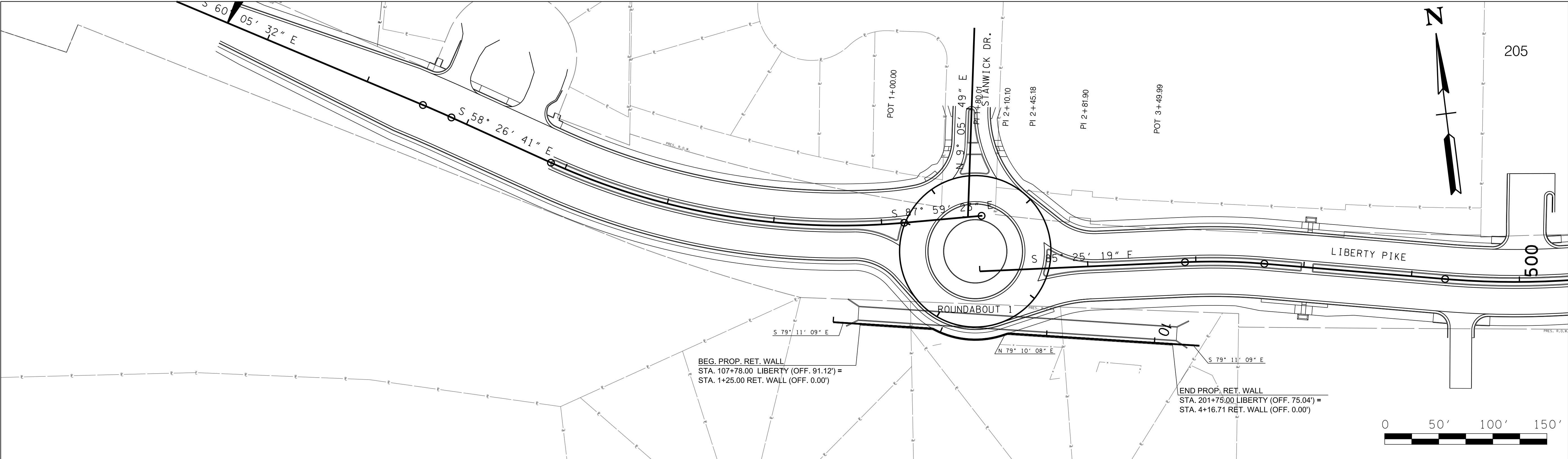
CHECKED BY: _____

YEAR: 2023

SHEET NO: 2F2

Volkert

BRENTWOOD COMMONS, 750 OLD HICKORY BLVD.
SUITE 230-1, BRENTWOOD, TN 37027
PHONE: (615) 656-1845 FAX: (615) 656-1870



REVISIONS		DESCRIPTION	
NO.	DATE	BY	

Volkert

BRENTWOOD COMMONS, 750 OLD HICKORY BLVD.
SUITE 230-1, BRENTWOOD, TN 37027
PHONE: (615) 656-1845 FAX: (615) 656-1870

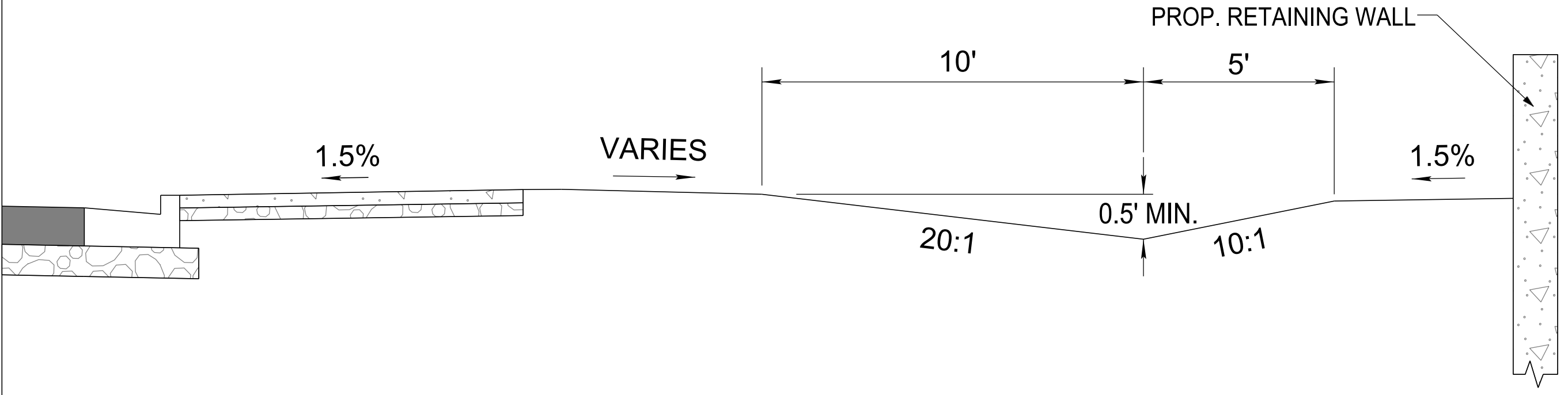
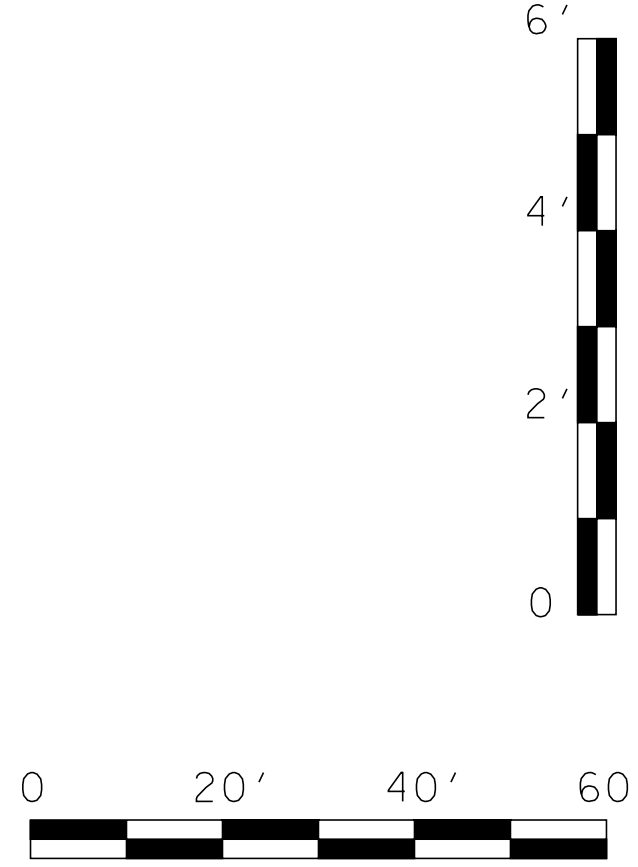
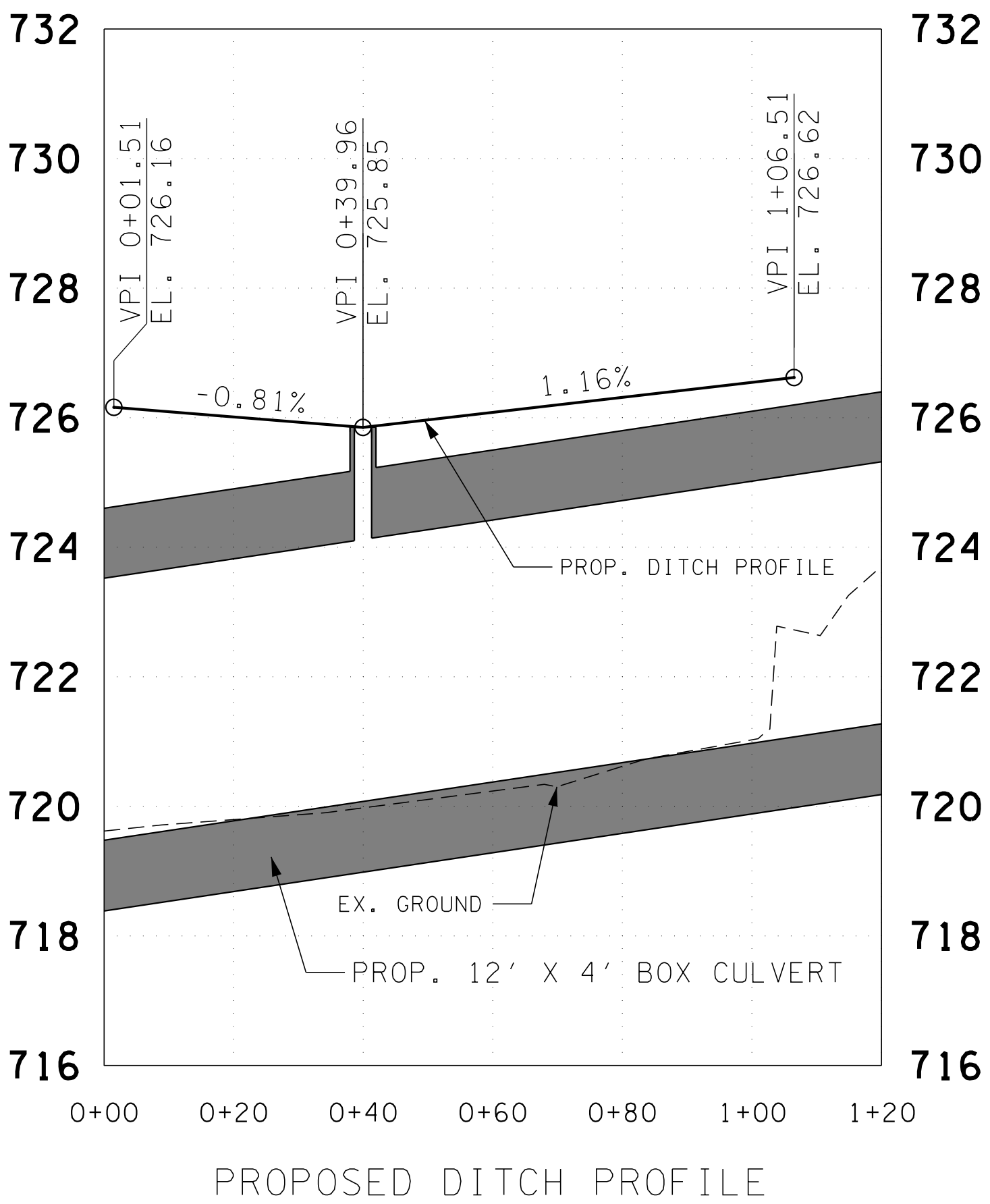
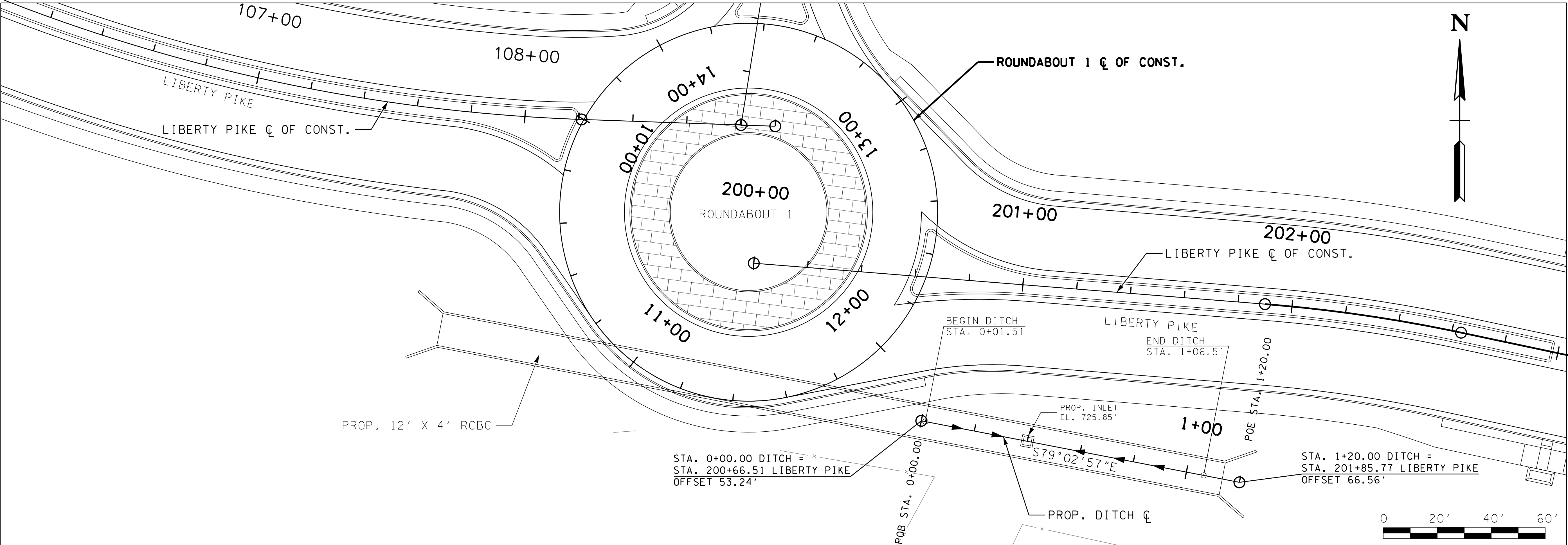
RETAINING WALL NO. 1 DETAILS

MALLORY LANE / LIBERTY PIKE
FRANKLIN, TENNESSEE

DATE: _____
DESIGNED BY: _____
DRAWN BY: _____
SUPERVISED BY: _____
CHECKED BY: _____

YEAR: 2023

SHEET NO:2F7



REVISIONS		DESCRIPTION	
NO	DATE	BY	

Volkert

BRENTWOOD COMMONS, 750 OLD HICKORY BLVD.
SUITE 230-1, BRENTWOOD, TN 37027
PHONE: (615) 656-1845 FAX: (615) 656-1870

DITCH DETAIL SHEET

MALLORY LANE / LIBERTY PIKE
FRANKLIN, TENNESSEE

DATE: _____

DESIGNED BY: _____

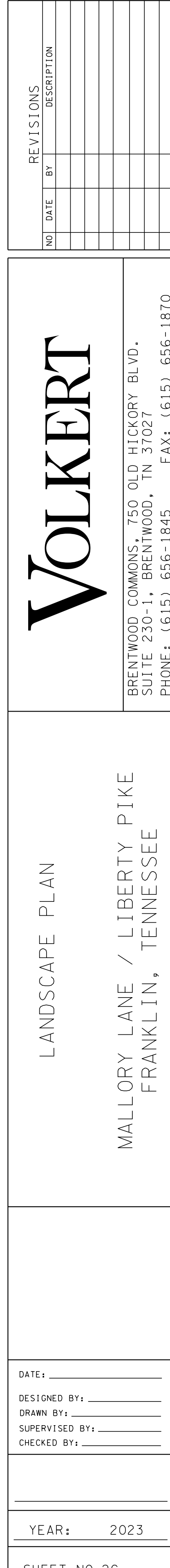
DRAWN BY: _____

SUPERVISED BY: _____

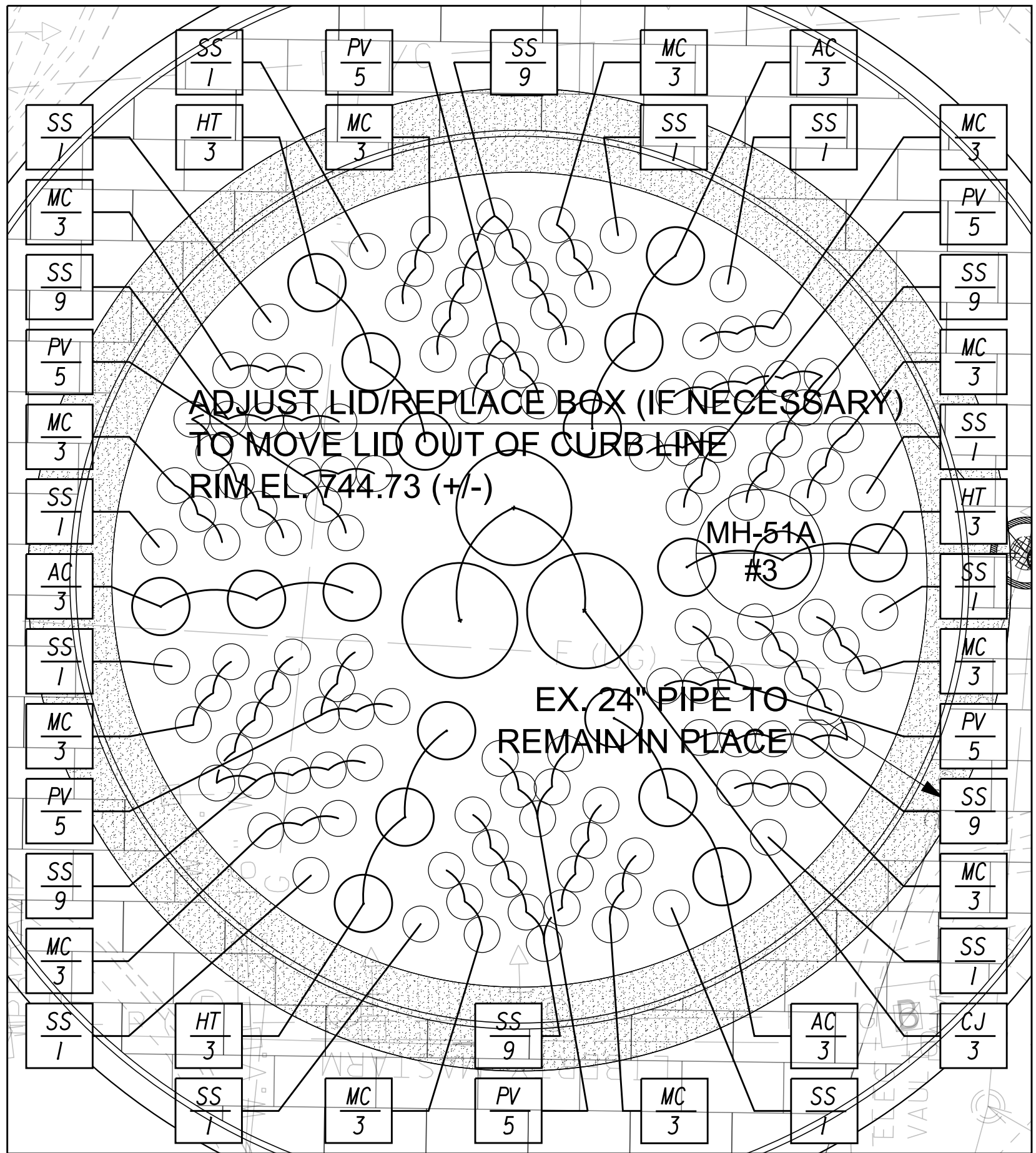
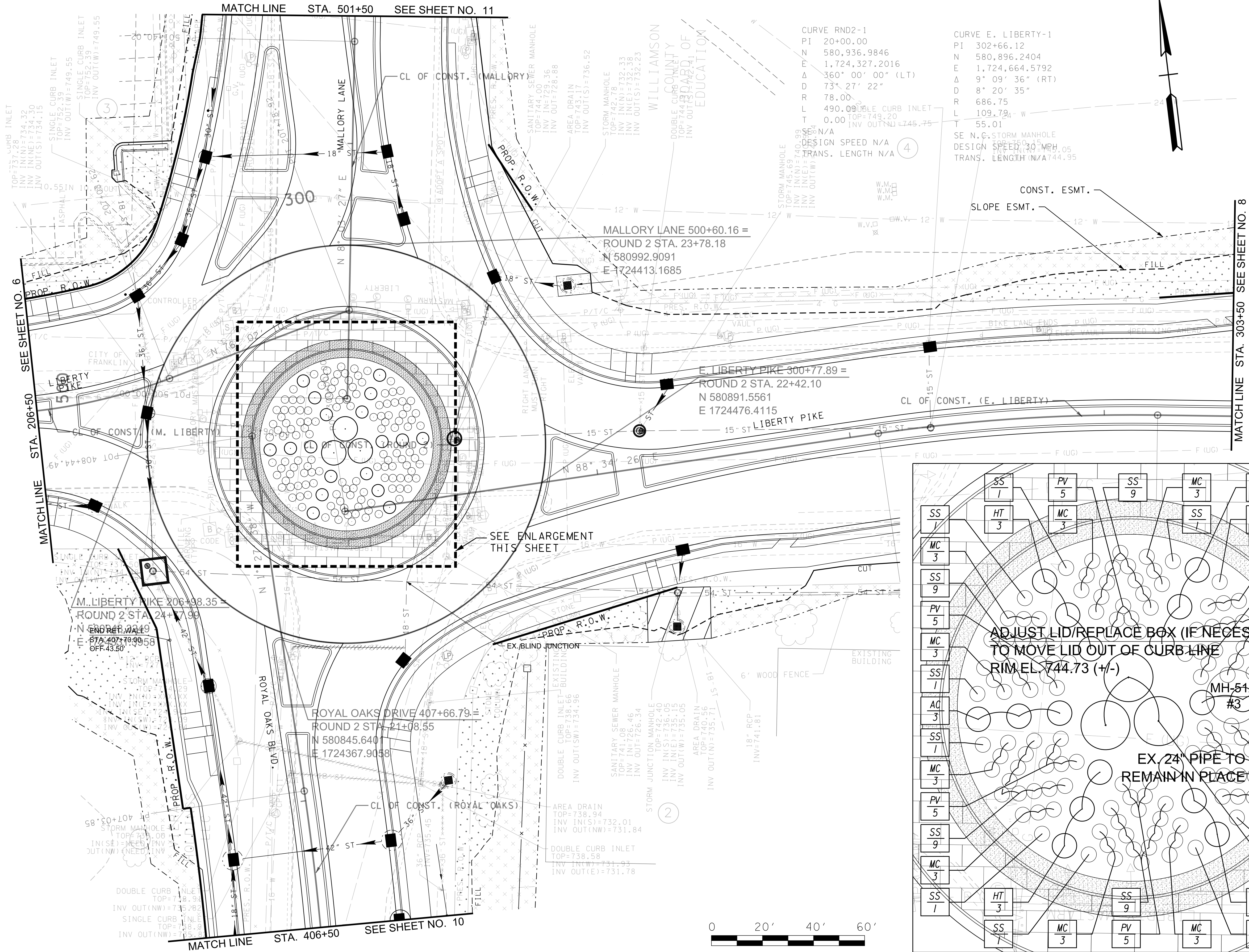
CHECKED BY: _____

YEAR: 2023

SHEET NO:2F9



DATE: _____
DESIGNED BY: _____
DRAWN BY: _____
SUPERVISED BY: _____
CHECKED BY: _____
YEAR: 2023
SHEET NO: 2G



LIBERTY PIKE / MALLORY LANE ROUNDABOUT PLANTING PLAN

REVISIONS		DESCRIPTION	
NO	DATE	BY	

Volkert

BRENTWOOD COMMONS, 750 OLD HICKORY BLVD.
SUITE 230-1, BRENTWOOD, TN 37027
PHONE: (615) 656-1845 FAX: (615) 656-1870

LANDSCAPE PLAN

MALLORY LANE / LIBERTY PIKE
FRANKLIN, TENNESSEE

DATE: _____

DESIGNED BY: _____

DRAWN BY: _____

SUPERVISED BY: _____

CHECKED BY: _____

YEAR: 2023

SHEET NO: 2H

RIGHT - OF - WAY NOTES

- (1) ALL RAMPS MUST CONFORM TO TDOT'S "POLICY ON FINANCING CONSTRUCTION OF PUBLIC ROAD INTERSECTIONS AND DRIVEWAYS ON HIGHWAY RESURFACING, RECONSTRUCTION AND CONSTRUCTION PROJECTS ON NEW LOCATIONS", THE MANUAL ON RULES AND REGULATIONS FOR CONSTRUCTING DRIVEWAYS ON STATE HIGHWAY RIGHT-OF-WAY, TDOT STANDARD DRAWING RP-R-1, AND OTHER ACCEPTED DESIGN AND SAFETY STANDARDS.
- (2) ANY NECESSARY PAVING OF DRIVEWAYS WILL BE DONE DURING PAVING OPERATIONS ON THE MAIN ROADWAY.
- (3) ADDITIONAL DRIVEWAYS AND FIELD ENTRANCES OTHER THAN THOSE PROVIDED IN THE PLANS SHALL REQUIRE A PERMIT ONLY IF THE LOCAL AGENCY SPECIFIES THE NEED FOR THAT PERMIT.

UTILITIES

- (1) THE LOCATIONS OF UTILITIES SHOWN WITHIN THESE PLANS ARE APPROXIMATE ONLY. EXACT LOCATIONS SHALL BE DETERMINED IN THE FIELD BY CONTACTING THE UTILITY COMPANIES INVOLVED. NOTIFICATION BY CALLING THE TENNESSEE ONE CALL SYSTEM, INC., AT 1-800-351-1111 AS REQUIRED BY TCA 65-31-106 WILL BE REQUIRED.
- (2) UNLESS OTHERWISE NOTED, ALL UTILITY ADJUSTMENTS WILL BE PERFORMED BY THE UTILITY OR IT'S REPRESENTATIVE. THE CONTRACTOR AND UTILITY OWNERS WILL BE REQUIRED TO COOPERATE WITH EACH OTHER IN ORDER TO EXPEDITE THE WORK REQUIRED BY THIS CONTRACT. ON CONTRACTS WHERE CONSTRUCTION STAKES, LINES, AND GRADES ARE CONTRACT ITEMS, THE CONTRACTOR WILL BE REQUIRED TO PROVIDE RIGHT-OF-WAY OR SLOPE STAKES, DITCH OR STREAM BED GRADES, OR OTHER ESSENTIAL SURVEY STAKING TO PREVENT CONFLICTS WITH THE HIGHWAY CONSTRUCTION. FREQUENTLY, THIS WILL BE REQUIRED AS THE FIRST ITEM OF WORK AND AT ANY LOCATION ON THE PROJECT DIRECTED BY THE ENGINEER.

- (3) THE CONTRACTOR WILL PROVIDE ALL NECESSARY PROTECTIVE MEASURES TO SAFEGUARD EXISTING UTILITIES FROM DAMAGE DURING CONSTRUCTION OF THIS PROJECT. IN THE EVENT THAT SPECIAL EQUIPMENT IS REQUIRED TO WORK OVER AND AROUND THE UTILITIES, THE CONTRACTOR WILL BE REQUIRED TO FURNISH SUCH EQUIPMENT. THE COST OF PROTECTING UTILITIES FROM DAMAGE AND FURNISHING SPECIAL EQUIPMENT WILL BE INCLUDED IN THE PRICE BID FOR OTHER ITEMS OF CONSTRUCTION.
- (4) PRIOR TO SUBMITTING HIS BID, THE CONTRACTOR WILL BE SOLELY RESPONSIBLE FOR CONTACTING OWNERS OF ALL AFFECTED UTILITIES IN ORDER TO DETERMINE THE EXTENT TO WHICH UTILITY RELOCATIONS AND/OR ADJUSTMENTS WILL HAVE UPON THE SCHEDULE OF WORK FOR THE PROJECT. WHILE SOME WORK MAY BE REQUIRED 'AROUND' UTILITY FACILITIES THAT WILL REMAIN IN PLACE, OTHER UTILITY FACILITIES MAY NEED TO BE ADJUSTED CONCURRENTLY WITH THE CONTRACTOR'S OPERATIONS. ADVANCE CLEAR CUTTING MAY BE REQUIRED BY THE ENGINEER AT ANY LOCATION WHERE CLEARING IS CALLED FOR IN THE SPECIFICATIONS AND CLEAR CUTTING IS NECESSARY FOR A UTILITY RELOCATION. ANY ADDITIONAL COST WILL BE INCLUDED IN THE UNIT PRICE BID FOR THE CLEARING ITEM SPECIFIED IN THE PLANS.
- (5) THE CONSTRCTOR SHALL NOTIFY EACH INDIVIDUAL UTILITY OWNER OF HIS PLAN OF OPERATION IN THE AREA OF THE UTILITIES. PRIOR TO COMMENCING WORK, THE CONTRACTOR SHALL CONTACT THE UTILITY OWNERS, AND REQUEST THEM TO PROPERLY LOCATE THEIR RESPECTIVE UTILITY ON THE GROUND. THIS NOTIFICATION SHALL BE GIVEN AT LEAST THREE (3) BUSINESS DAYS PRIOR TO COMMENCMENT OF OPERATIONS.

UTILITY OWNERS

TELEPHONE:
AT&T
333 COMMERCE ST ROOM 23C142
NASHVILLE, TN 37201
ATTN: KIM BEAN
O: 615-214-7318
C: 615-955-0653
EMAIL: KB1078@att.com

CABLE TV:
COMCAST CABLE/XFINITY
2501 MCGAVOK PIKE
NASHVILLE, TN 37214
ATTN: LARRY K WINBURN
O: 615-244-7462
C: 615-295-9069
EMAIL: larrywinburn@cable.comcast.com

ELECTRIC:
M.T.E.M.C.
555 NEW SALEM RD
MURFREESBORO, TN 37129
ATTN: MATHUE BEAN
O: 615-494-1572
EMAIL: mbean@mtemc.com

WATER:

CITY OF FRANKLIN WATER MANAGEMENT
124 LUMBER DRIVE
FRANKLIN, TN 37064
ATTN: BRIAN GOODWIN
O: 615-794-4554
EMAIL: brian.goodwin@franklin.tn.gov

MALLORY VALLEY UTILITY
465 DULKE DR
FRANKLIN, TN 37067
ATTN: JENNY CLARKE
O: 615-628-0237
C: 615-628-0241
EMAIL: jclarke@mvud.org

GAS:

ATMOS ENERGY
810 CRESCENT CENTRE D
SUITE 600
FRANKLIN, TN 37067
ATTN: ABBY DAVIS
O: 615-771-8369
EMAIL: Abby.Davis@atmosenergy.com

FIBER OPTIC:
CENTURY LINK
1025 ELDORADO BLVD, 43C-420
BROOMFIELD, CO 80021
ATTN: PATRICK PROVOST
O: 720-888-4686
EMAIL: patrick.provost@level3.com

MCI ALSO LISTED ON THE TN ONE
CALL LIST TICKET #200145552.
NO CONTACT INFORMATION FOUND.

CITY OF FRANKLIN IT
109 3RD AVE SOUTH
FRANKLIN, TN 37064
ATTN: MIKE PROCTOR
O:615-550-6604
C:615-289-1036
EMAIL: MikeP@franklin.tn.gov

SANITARY SEWER:
CITY OF FRANKLIN WATER MANAGEMENT
124 LUMBER DRIVE
FRANKLIN, TN 37064
ATTN: BRIAN GOODWIN
O: 615-794-4554
EMAIL: brian.goodwin@franklin.tn.gov

REVISECTIONS		DESCRIPTION	
NO	DATE	BY	

Volkert

302 INNOVATION DRIVE, FRANKLIN, TN 37067
PHONE: (615) 656-1845 FAX: (615) 656-1870

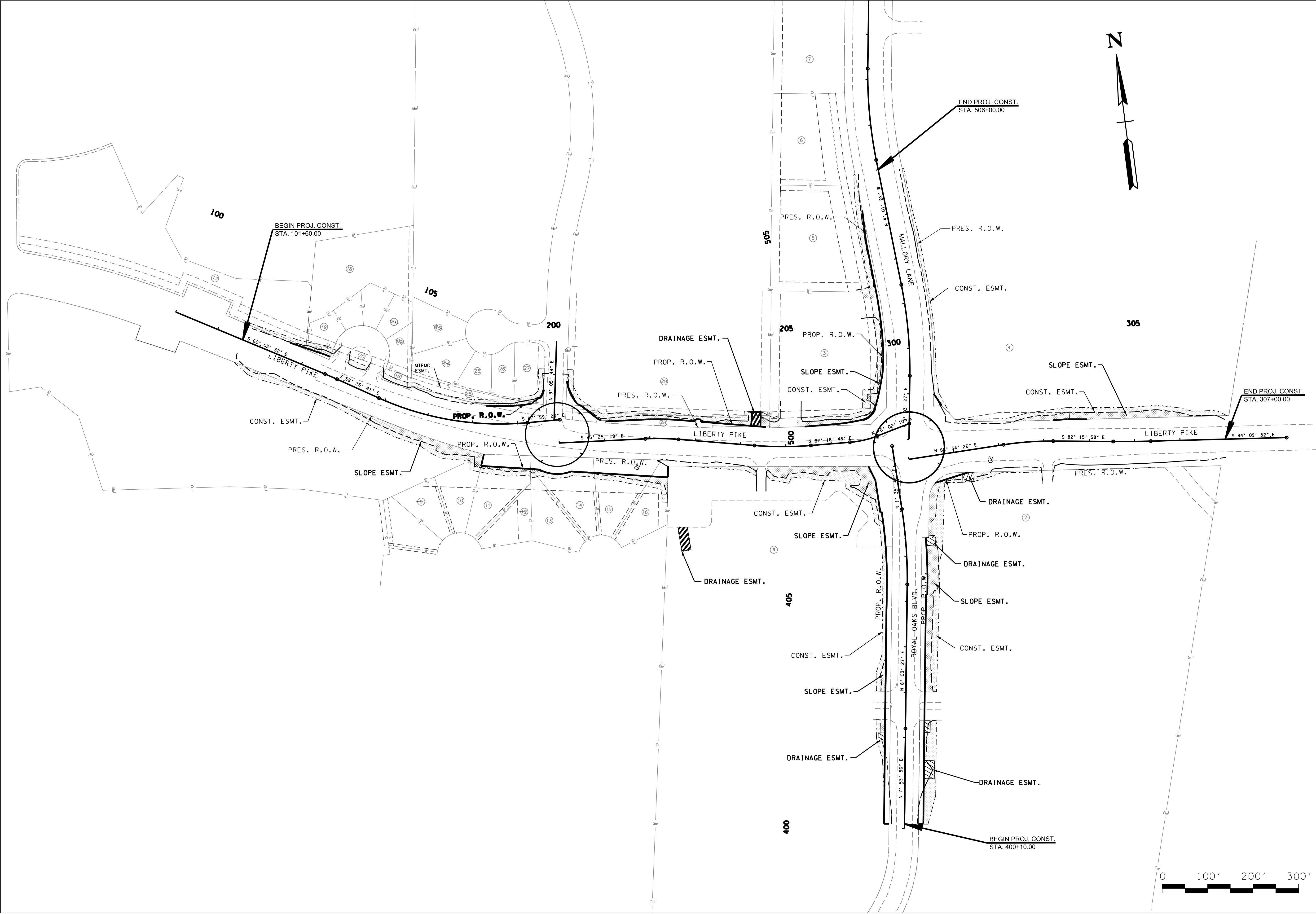
R.O.W. NOTES AND UTILITY OWNERS

MALLORY LANE / LIBERTY PIKE
FRANKLIN, TENNESSEE

DATE: _____
DESIGNED BY: _____
DRAWN BY: _____
SUPERVISED BY: _____
CHECKED BY: _____

YEAR: 2023

SHEET NO: 3



REVISIONS		DESCRIPTION	
NO	DATE	BY	

Volkert

302 INNOVATION DRIVE, FRANKLIN, TN 37067
PHONE: (615) 656-1845 FAX: (615) 656-1870

PROPERTY MAP

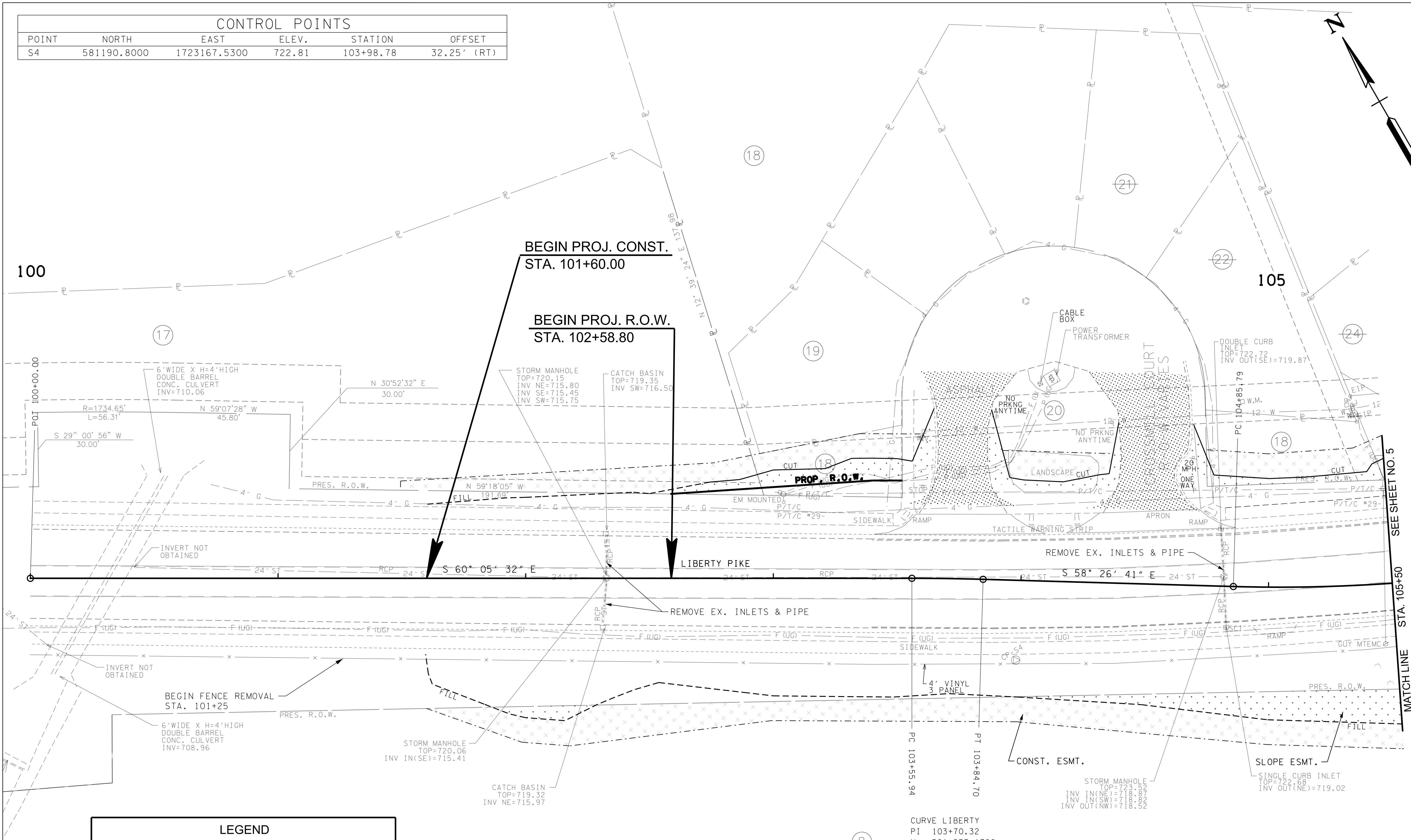
MALLORY LANE / LIBERTY PIKE
FRANKLIN, TENNESSEE

DATE: _____
DESIGNED BY: _____
DRAWN BY: _____
SUPERVISED BY: _____
CHECKED BY: _____

YEAR: 2023

SHEET NO: 3B

CONTROL POINTS					
POINT	NORTH	EAST	ELEV.	STATION	OFFSET
S4	581190.8000	1723167.5300	722.81	103+98.78	32.25' (RT)



LEGEND	
PROPOSED RIGHT-OF-WAY	PROP. R.O.W.
SLOPE EASEMENT	[Dashed Box Pattern]
CONSTRUCTION EASEMENT	[Cross-hatch Pattern]
DRAINAGE EASEMENT	[Diagonal Line Pattern]

CURVE LIBERTY
PI 103+70.32
N 581,233.1780
E 1,723,160.1583
Δ 1' 38' 51" (RT)
D 5' 43' 46"
R 1,000.00
L 28.76
T 14.38
SE N.C.
DESIGN SPEED 30 MPH
TRANS. LENGTH N/A



REVISIONS		DESCRIPTION
NO	DATE	BY

Volkert

BRENTWOOD COMMONS, 750 OLD HICKORY BLVD.
SUITE 230-1, BRENTWOOD, TN 37027
PHONE: (615) 656-1845 FAX: (615) 656-1870

PRESENT LAYOUT

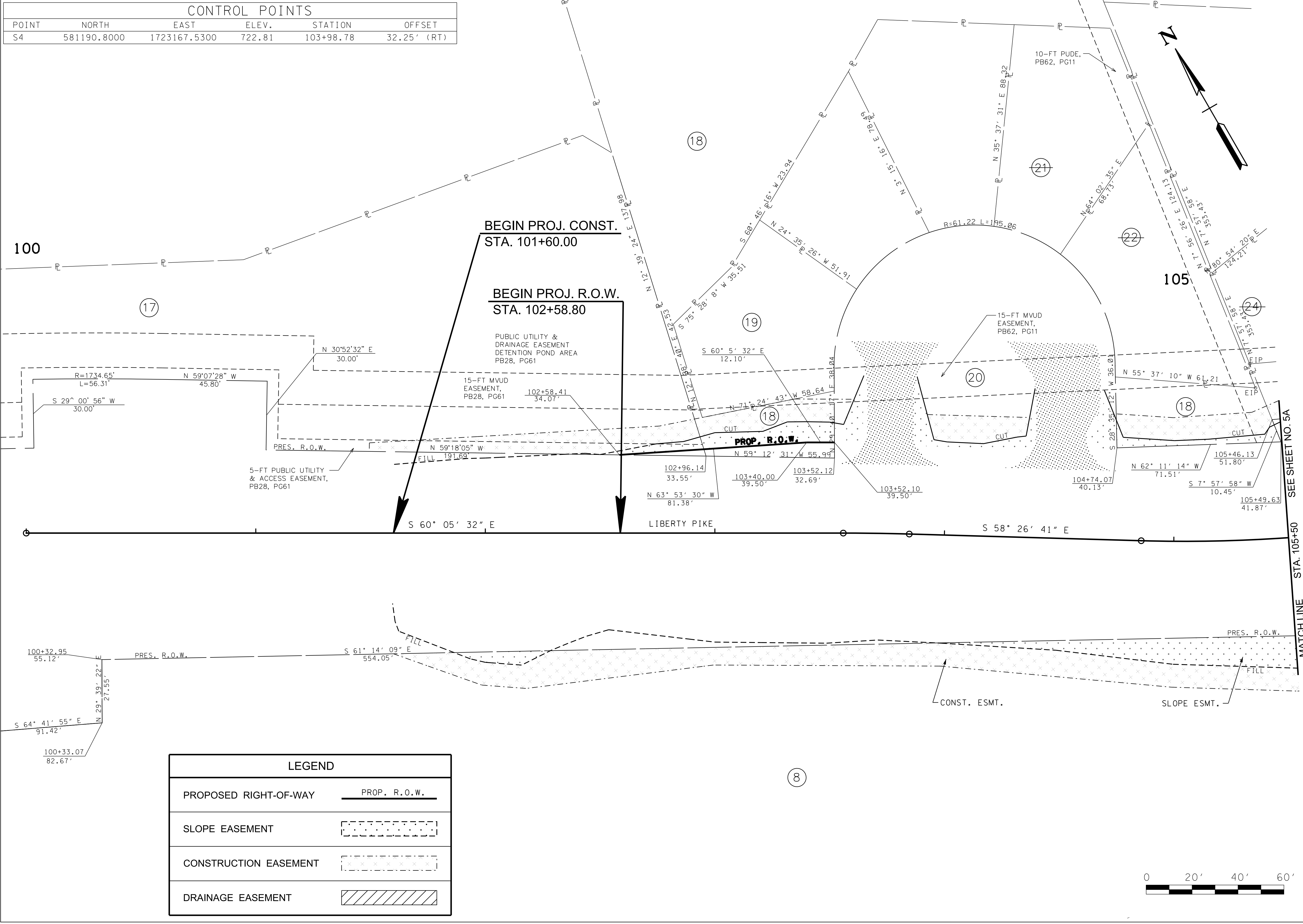
MALLORY LANE / LIBERTY PIKE
FRANKLIN, TENNESSEE

DATE: _____
DESIGNED BY: _____
DRAWN BY: _____
SUPERVISED BY: _____
CHECKED BY: _____

YEAR: 2023

SHEET NO: 4

CONTROL POINTS					
POINT	NORTH	EAST	ELEV.	STATION	OFFSET
S4	581190.8000	1723167.5300	722.81	103+98.78	32.25' (RT)



REVISIONS		DESCRIPTION	
NO	DATE	BY	

Volkert

BRENTWOOD COMMONS, 750 OLD HICKORY BLVD.
SUITE 230-1, BRENTWOOD, TN 37027
PHONE: (615) 656-1845 FAX: (615) 656-1870

R.O.W. DETAILS

MALLORY LANE / LIBERTY PIKE
FRANKLIN, TENNESSEE

DATE: _____

DESIGNED BY: _____

DRAWN BY: _____

SUPERVISED BY: _____

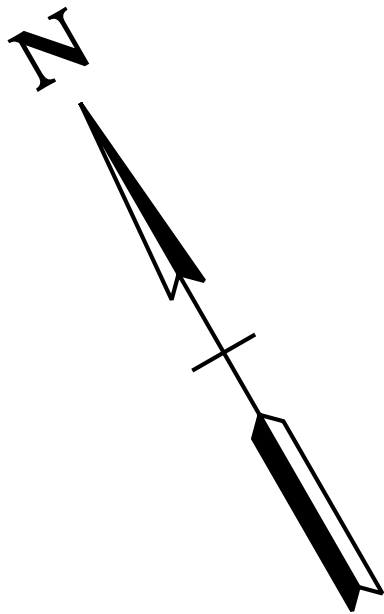
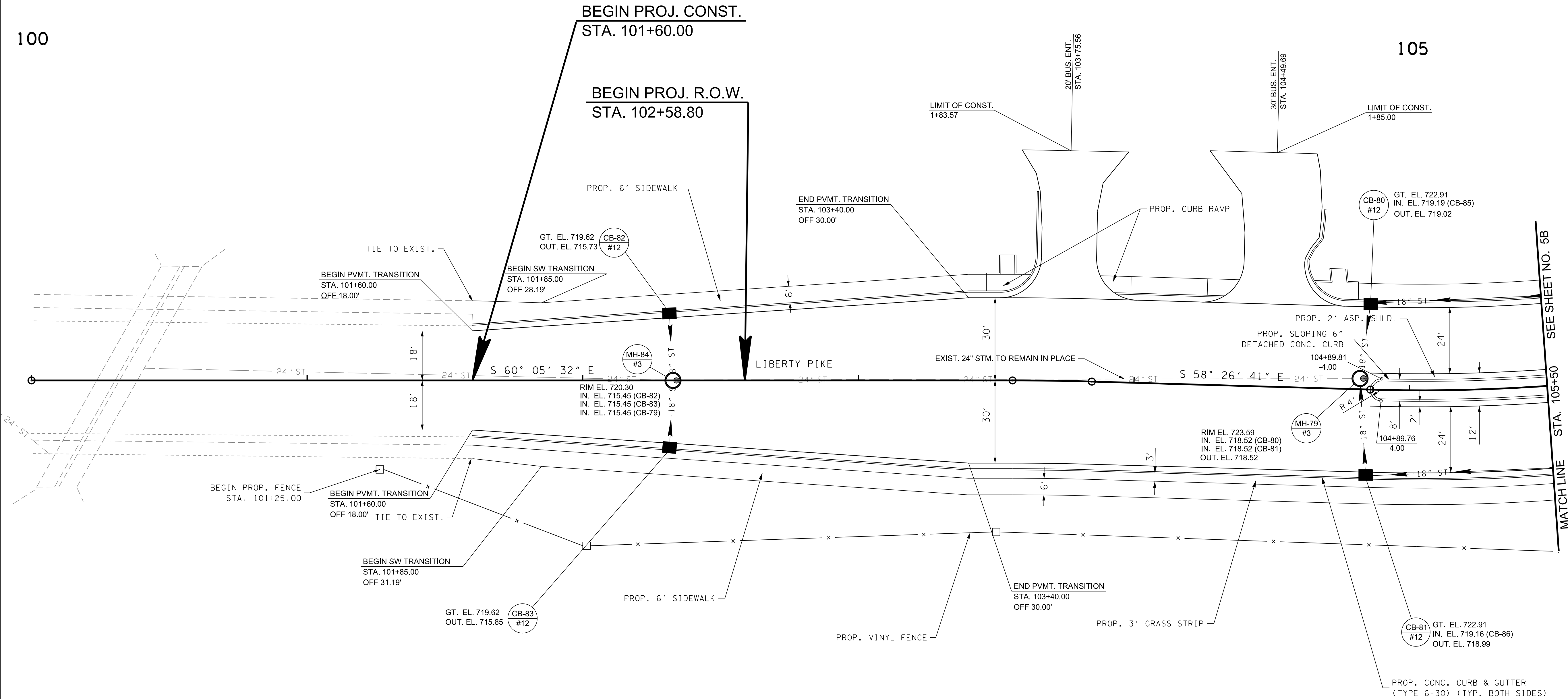
CHECKED BY: _____

YEAR: 2023

SHEET NO: 4A

100

105



REVISIONS		DESCRIPTION	
NO	DATE	BY	

PROPOSED LAYOUT

MALLORY LANE / LIBERTY PIKE
FRANKLIN, TENNESSEE

Volkert

BRENTWOOD COMMONS, 750 OLD HICKORY BLVD.
SUITE 230-1, BRENTWOOD, TN 37027
PHONE: (615) 656-1845 FAX: (615) 656-1870

DATE: _____

DESIGNED BY: _____

DRAWN BY: _____

SUPERVISED BY: _____

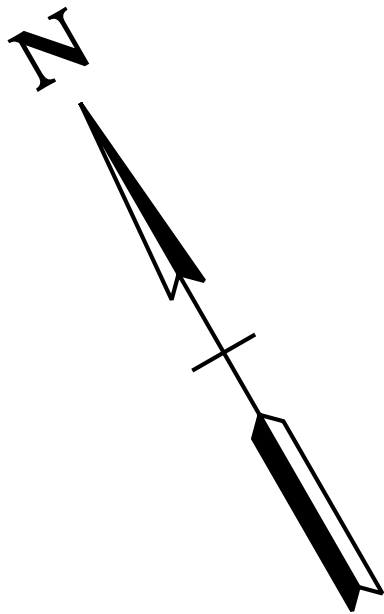
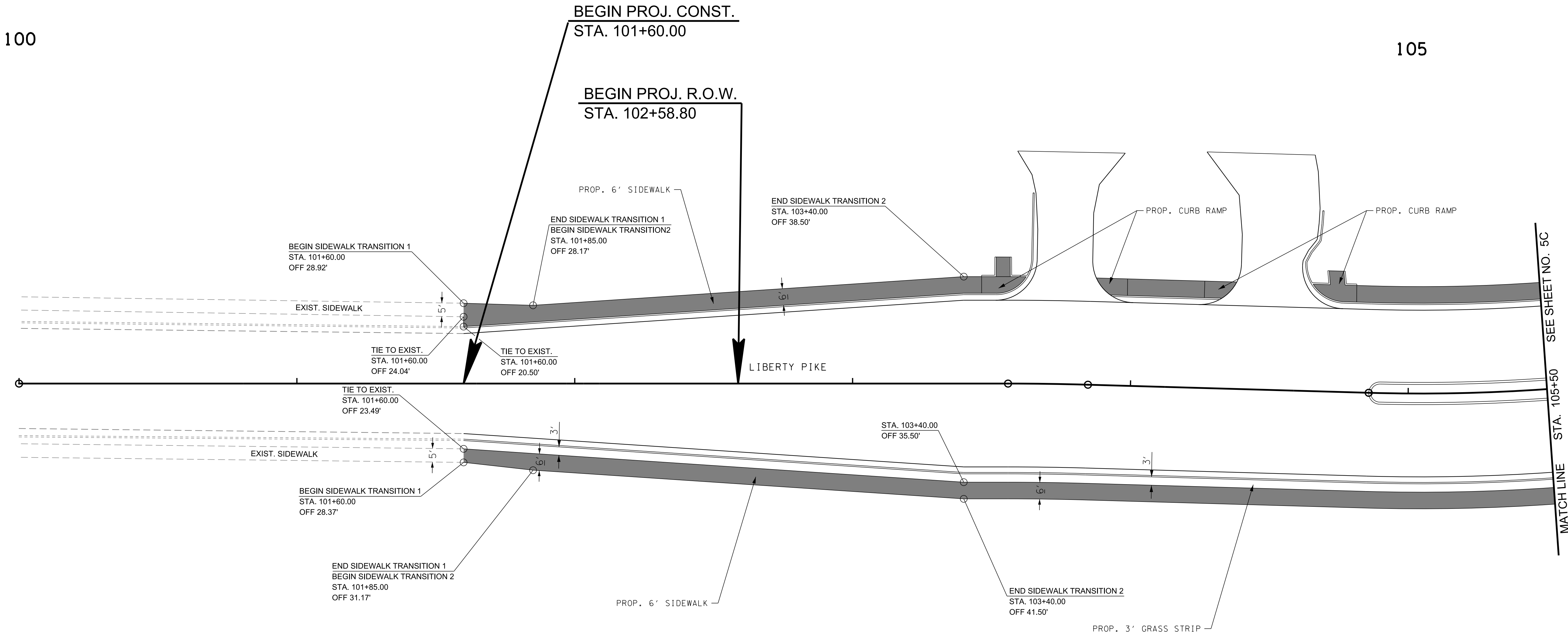
CHECKED BY: _____

YEAR: 2023

SHEET NO: 4B

100

105



REVISIONS		DESCRIPTION	
NO	DATE	BY	

Volkert

BRENTWOOD COMMONS, 750 OLD HICKORY BLVD.
SUITE 230-1, BRENTWOOD, TN 37027
PHONE: (615) 656-1845 FAX: (615) 656-1870

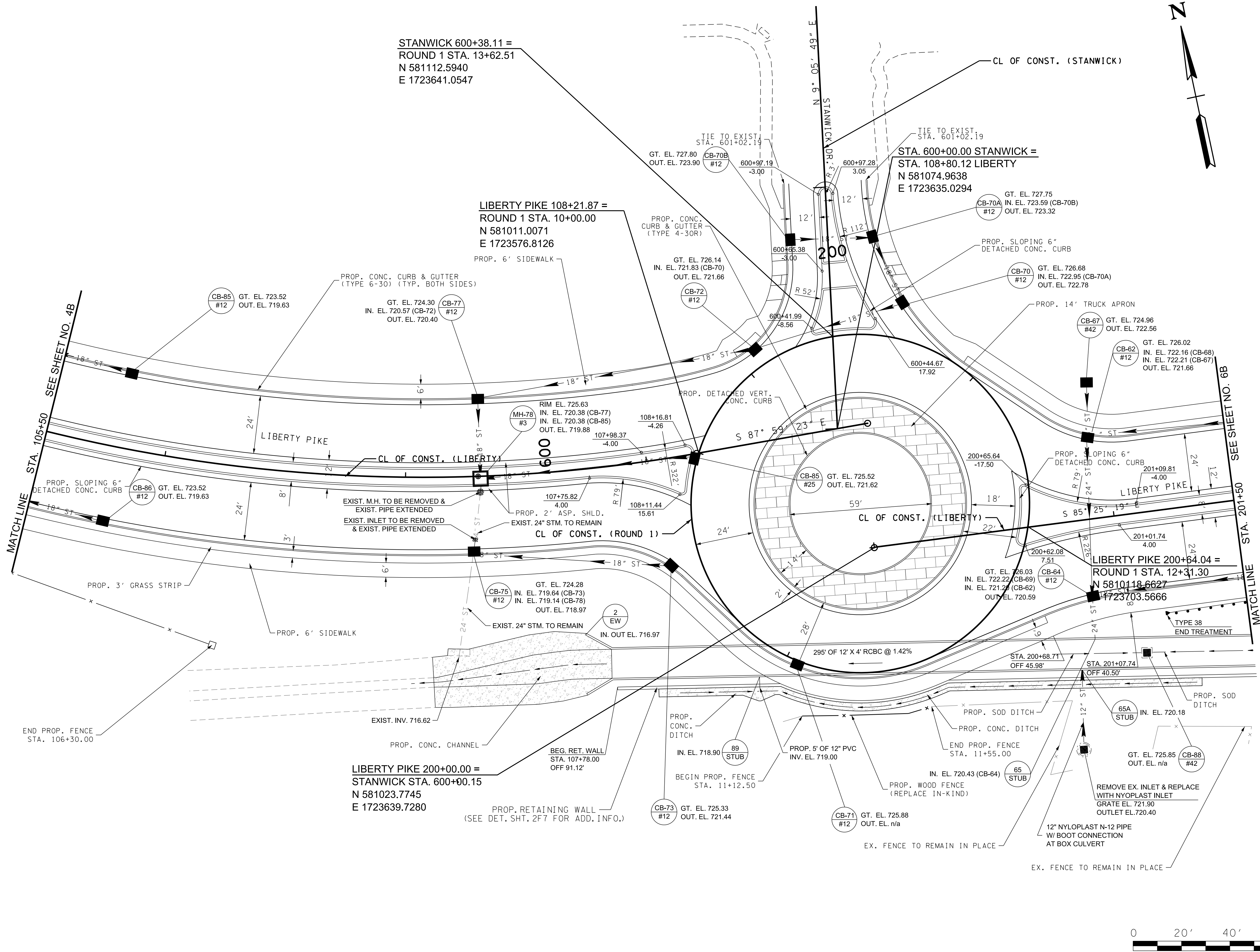
PROPOSED SIDEWALK LAYOUT

MALLORY LANE / LIBERTY PIKE
FRANKLIN, TENNESSEE

DATE: _____
DESIGNED BY: _____
DRAWN BY: _____
SUPERVISED BY: _____
CHECKED BY: _____

YEAR: 2023

SHEET NO: 4C



REVISIONS		DESCRIPTION	
NO.	DATE	BY	

Volkert

BRENTWOOD COMMONS, 750 OLD HICKORY BLVD.
SUITE 230-1, BRENTWOOD, TN 37027
PHONE: (615) 656-1845 FAX: (615) 656-1870

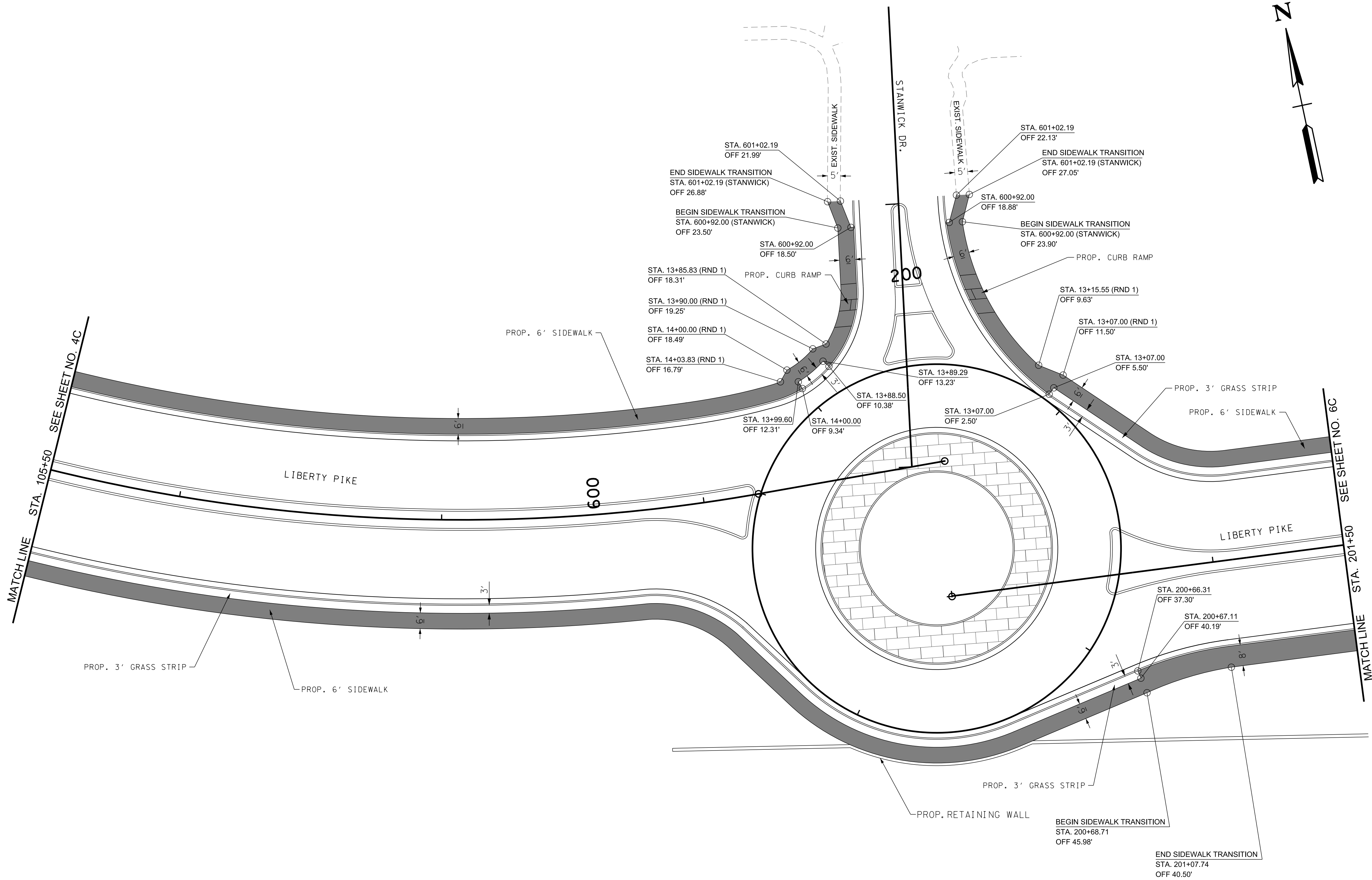
PROPOSED LAYOUT

MALLORY LANE / LIBERTY PIKE
FRANKLIN, TENNESSEE

DATE: _____
DESIGNED BY: _____
DRAWN BY: _____
SUPERVISED BY: _____
CHECKED BY: _____

YEAR: 2023

SHEET NO:5B



REVISIONS		DESCRIPTION	
NO	DATE	BY	

Volkert

BRENTWOOD COMMONS, 750 OLD HICKORY BLVD.
SUITE 230-1, BRENTWOOD, TN 37027
PHONE: (615) 656-1845 FAX: (615) 656-1870

PROPOSED SIDEWALK LAYOUT

MALLORY LANE / LIBERTY PIKE
FRANKLIN, TENNESSEE

DATE: _____

DESIGNED BY: _____

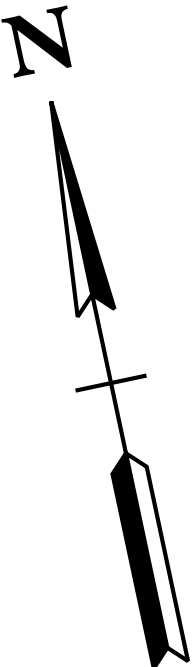
DRAWN BY: _____

SUPERVISED BY: _____

CHECKED BY: _____

YEAR: 2023

SHEET NO:5C

[illegible]

VOLKERT

BRENTWOOD COMMONS, 750 OLD HICKORY BLVD.
SUITE 230-1, BRENTWOOD, TN 37027
PHONE: (615) 656-1845 FAX: (615) 656-

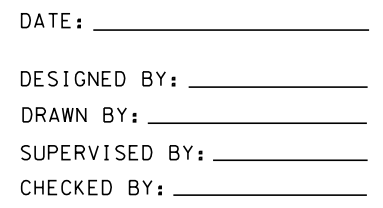
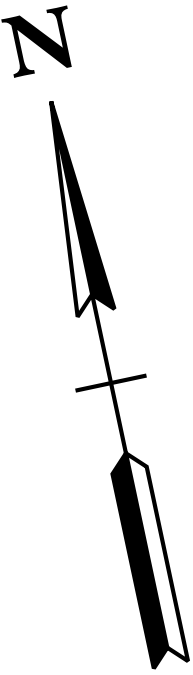
PROPOSED LAYOUT

MALLORY LANE / LIBERTY PIKE
FRANKLIN, TENNESSEE

DATE: _____
DESIGNED BY: _____
DRAWN BY: _____
SUPERVISED BY: _____
CHECKED BY: _____

YEAR: 2023

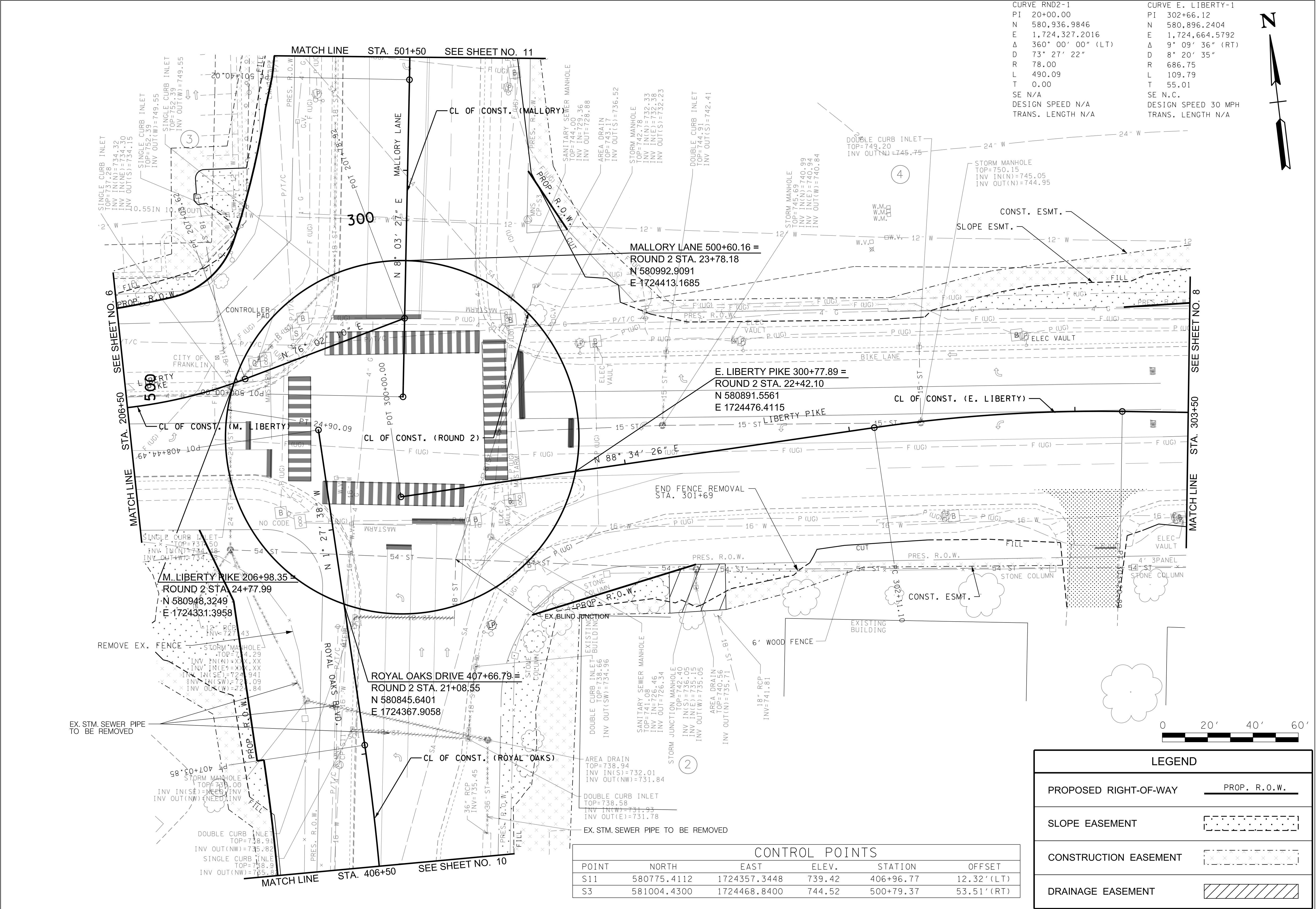
SHEET NO: 6B

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VOLKERT

PROPOSED SIDEWALK LAYOUT

MALLORY LANE / LIBERTY PIKE
FRANKLIN, TENNESSEE

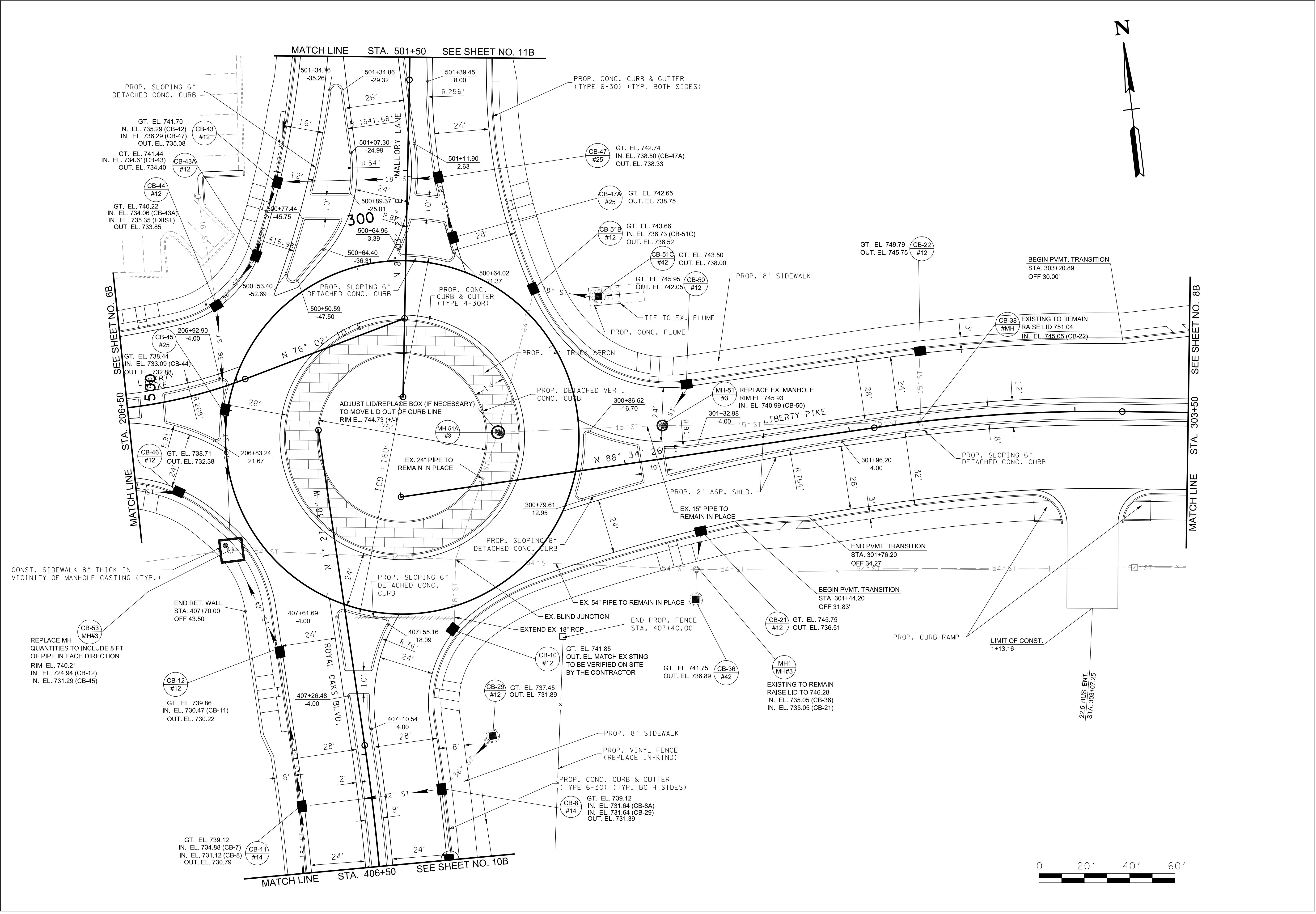


PRESENT LAYOUT

MALLERY LANE / LIBERTY PIKE
FRANKLIN, TENNESSEE

Volkert

BRENTWOOD COMMONS, 750 OLD HICKORY BLVD.
SUITE 230-1, BRENTWOOD, TN 37027
PHONE: (615) 656-1845 FAX: (615) 656-1870



REVISIONS		DESCRIPTION	
NO	DATE	BY	

PROPOSED LAYOUT

MALLERY LANE / LIBERTY PIKE
FRANKLIN, TENNESSEE

Volkert

BRENTWOOD COMMONS, 750 OLD HICKORY BLVD.
SUITE 230-1, BRENTWOOD, TN 37027
PHONE: (615) 656-1845 FAX: (615) 656-1870

DATE: _____

DESIGNED BY: _____

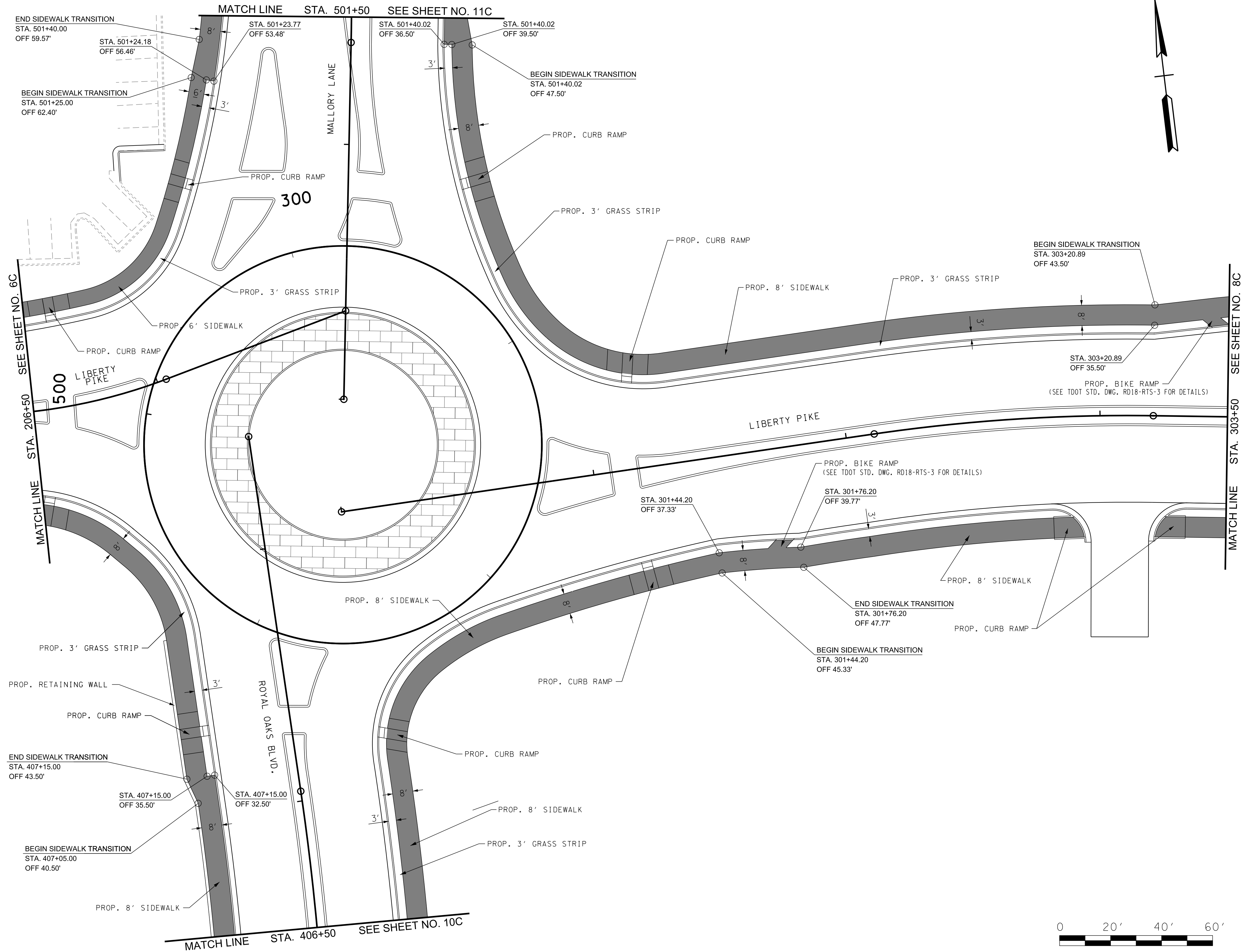
DRAWN BY: _____

SUPERVISED BY: _____

CHECKED BY: _____

YEAR: 2023

SHEET NO: 7B



REVISIONS		DESCRIPTION	
NO	DATE	BY	

Volkert

BRENTWOOD COMMONS, 750 OLD HICKORY BLVD.
SUITE 230-1, BRENTWOOD, TN 37027
PHONE: (615) 656-1845 FAX: (615) 656-1870

PROPOSED SIDEWALK LAYOUT

MALLORY LANE / LIBERTY PIKE
FRANKLIN, TENNESSEE

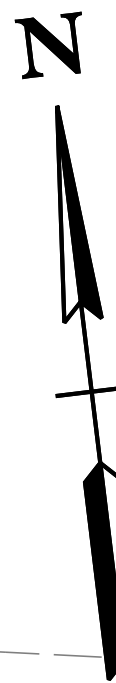
DATE: _____
DESIGNED BY: _____
DRAWN BY: _____
SUPERVISED BY: _____
CHECKED BY: _____

YEAR: 2023

SHEET NO: 7C

CONTROL POINTS					
POINT	NORTH	EAST	ELEV.	STATION	OFFSET
S7	580834.4100	1724845.6700	757.86	304+53.63	36.90' (RT)

CURVE E. LIBERTY-2
PI 304+94.24
N 580,865.5097
E 1,724,890.8612
Δ 1° 53' 54" (LT)
D 2° 17' 31"
R 2,500.00
L 82.83
T 41.42
SE N.C.
DESIGN SPEED 30 MPH
TRANS. LENGTH N/A



REVISIONS		DESCRIPTION	
NO	DATE	BY	

Volkert

BRENTWOOD COMMONS, 750 OLD HICKORY BLVD.
SUITE 230-1, BRENTWOOD, TN 37027
PHONE: (615) 656-1845 FAX: (615) 656-1870

PRESENT LAYOUT

MALLORY LANE / LIBERTY PIKE
FRANKLIN, TENNESSEE

DATE: _____

DESIGNED BY: _____

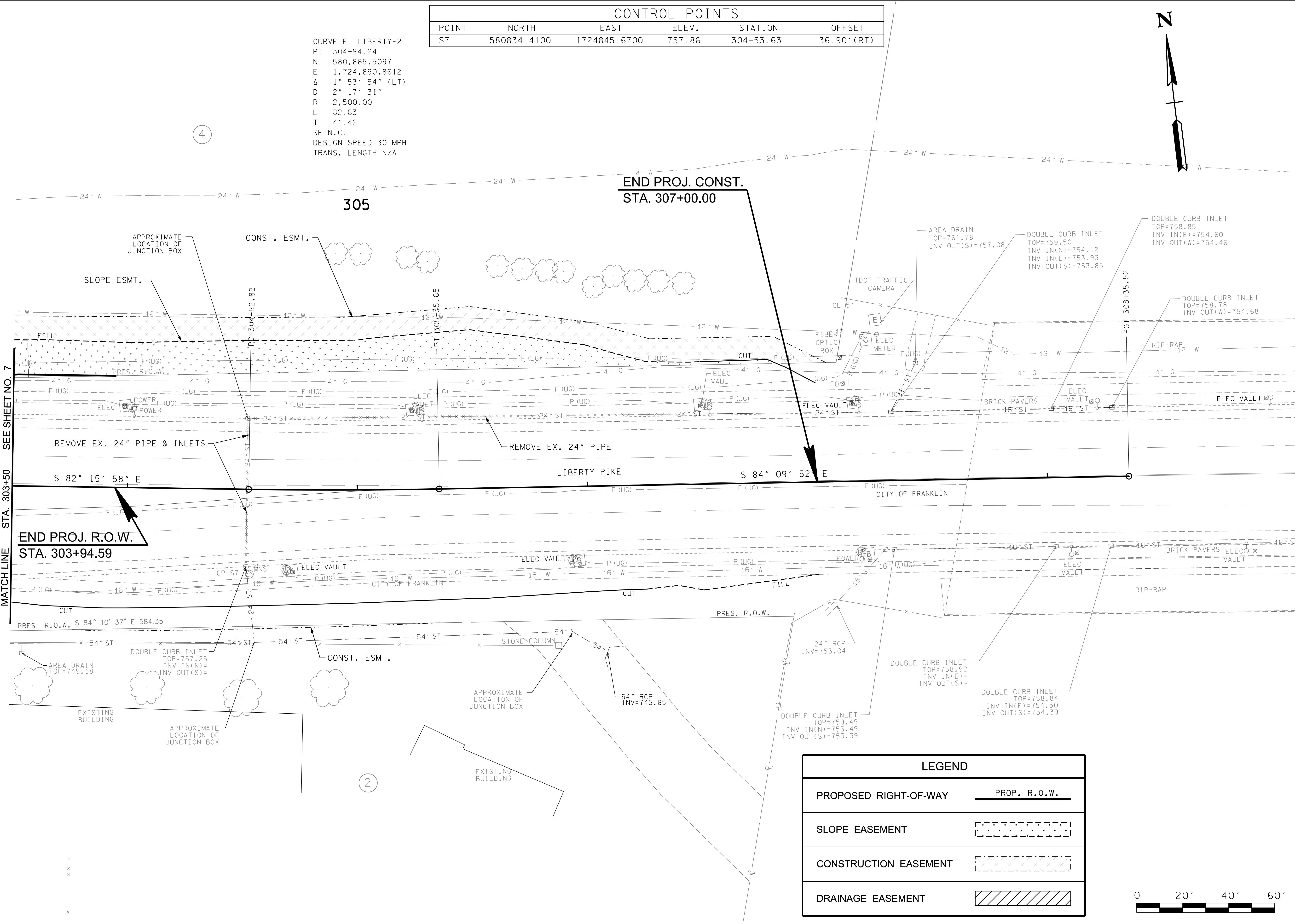
DRAWN BY: _____

SUPERVISED BY: _____

CHECKED BY: _____

YEAR: 2023

SHEET NO: 8

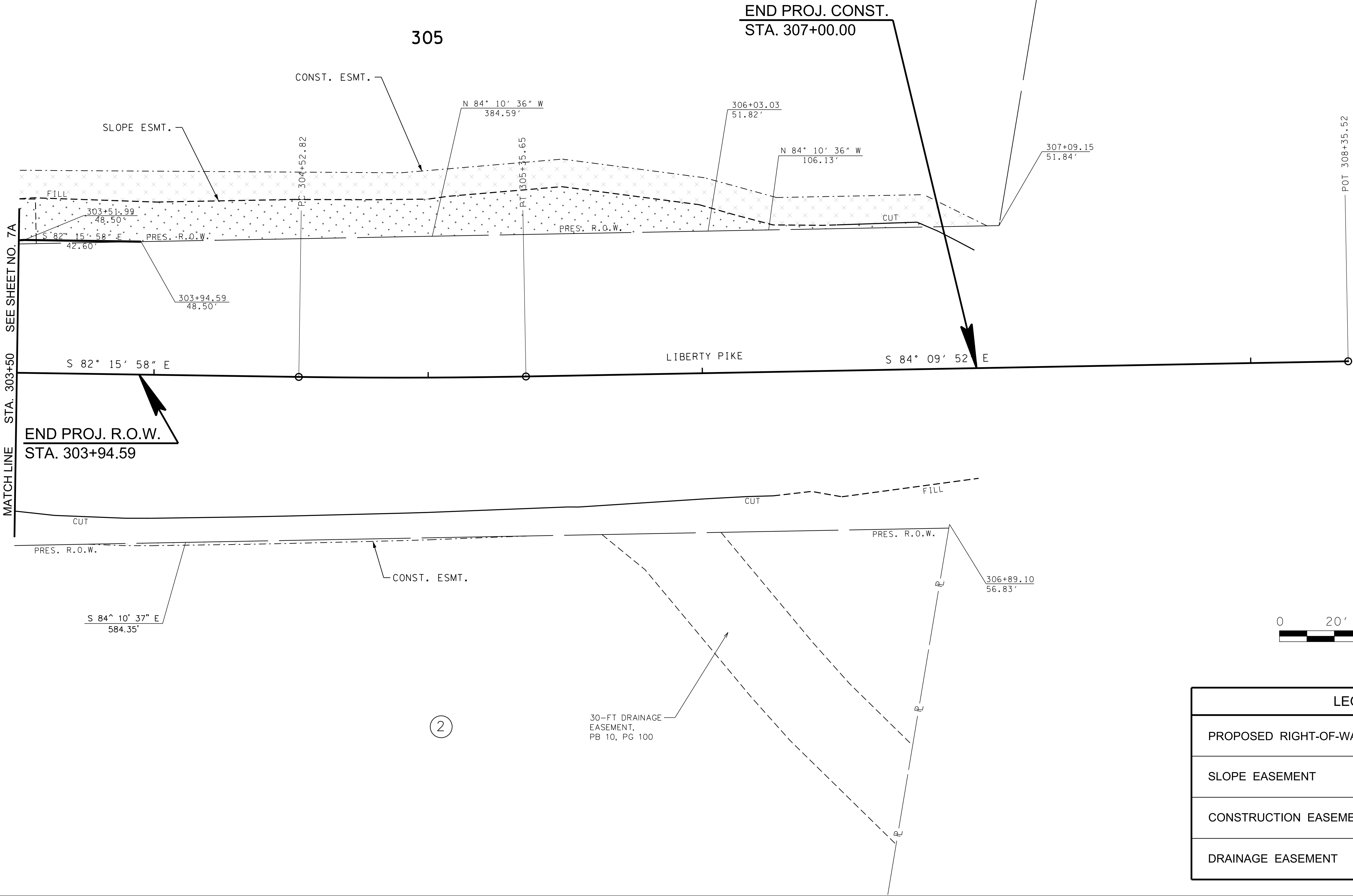
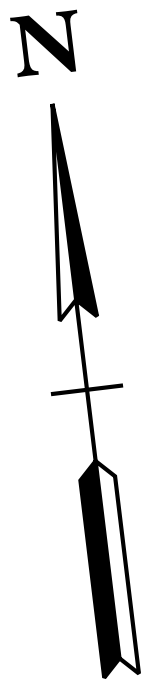


LEGEND	
PROPOSED RIGHT-OF-WAY	<u>PROP. R.O.W.</u>
SLOPE EASEMENT	
CONSTRUCTION EASEMENT	
DRAINAGE EASEMENT	



CURVE E. LIBERTY-2
PI 304+94.24
N 580,865.5097
E 1,724,890.8612
Δ 1° 53' 54" (LT)
D 2° 17' 31"
R 2,500.00
L 82.83
T 41.42
SE N.C.
DESIGN SPEED 30 MPH
TRANS. LENGTH N/A

CONTROL POINTS					
POINT	NORTH	EAST	ELEV.	STATION	OFFSET
S7	580834.4100	1724845.6700	757.86	304+53.63	36.90' (RT)



REVISED		DESCRIPTION	
NO	DATE	BY	

Volkert

BRENTWOOD COMMONS, 750 OLD HICKORY BLVD.
SUITE 230-1, BRENTWOOD, TN 37027
PHONE: (615) 656-1845 FAX: (615) 656-1870

R.O.W. DETAILS

MALLORY LANE / LIBERTY PIKE
FRANKLIN, TENNESSEE

DATE: _____

DESIGNED BY: _____

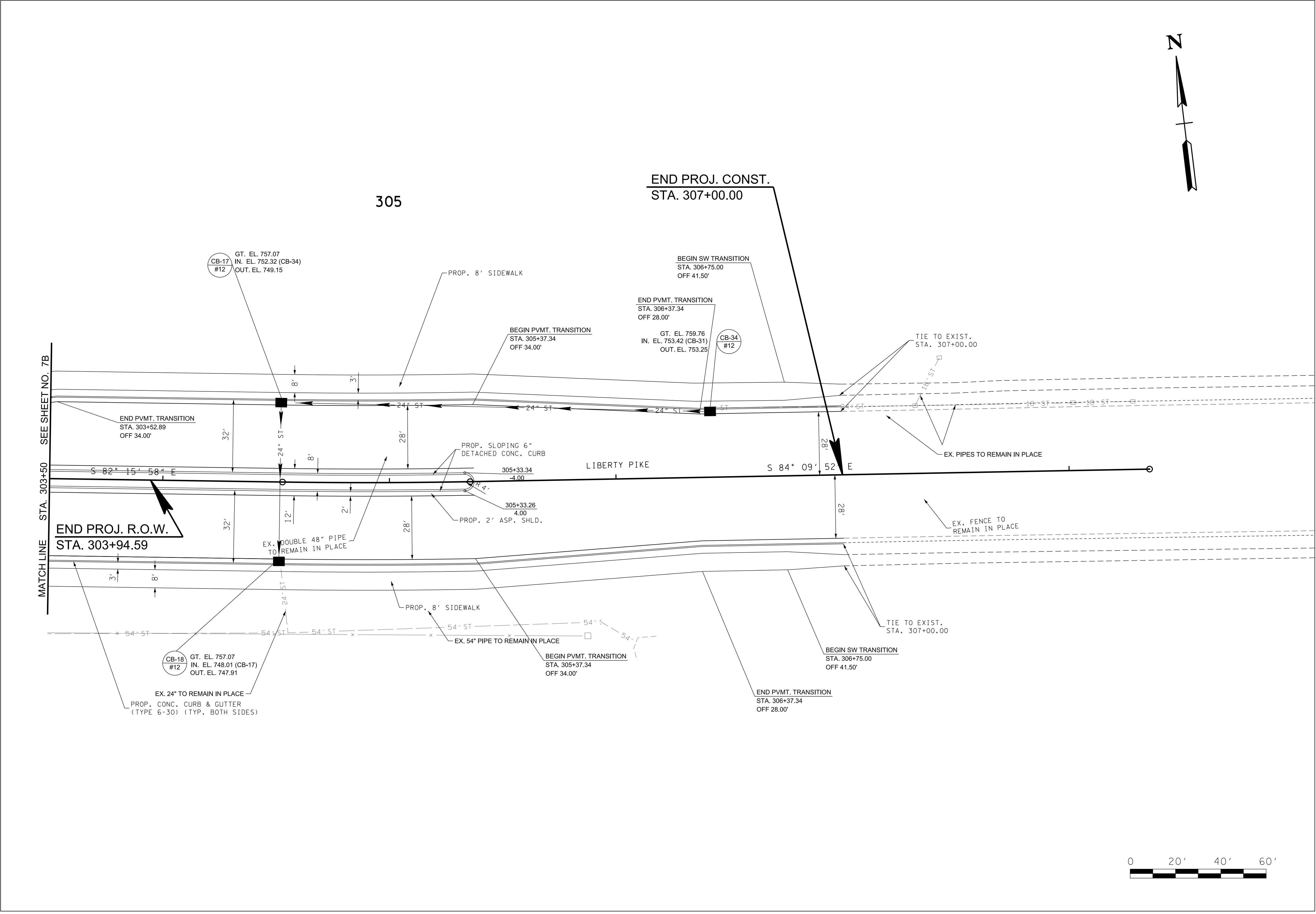
DRAWN BY: _____

SUPERVISED BY: _____

CHECKED BY: _____

YEAR: 2023

SHEET NO: 8A



REVISIONS		DESCRIPTION	
NO	DATE	BY	

Volkert

BRENTWOOD COMMONS, 750 OLD HICKORY BLVD.
SUITE 230-1, BRENTWOOD, TN 37027
PHONE: (615) 656-1845 FAX: (615) 656-1870

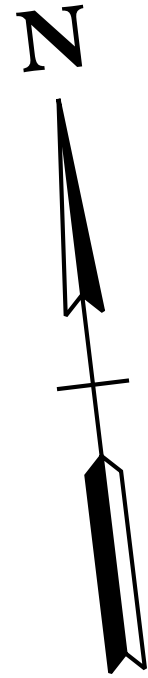
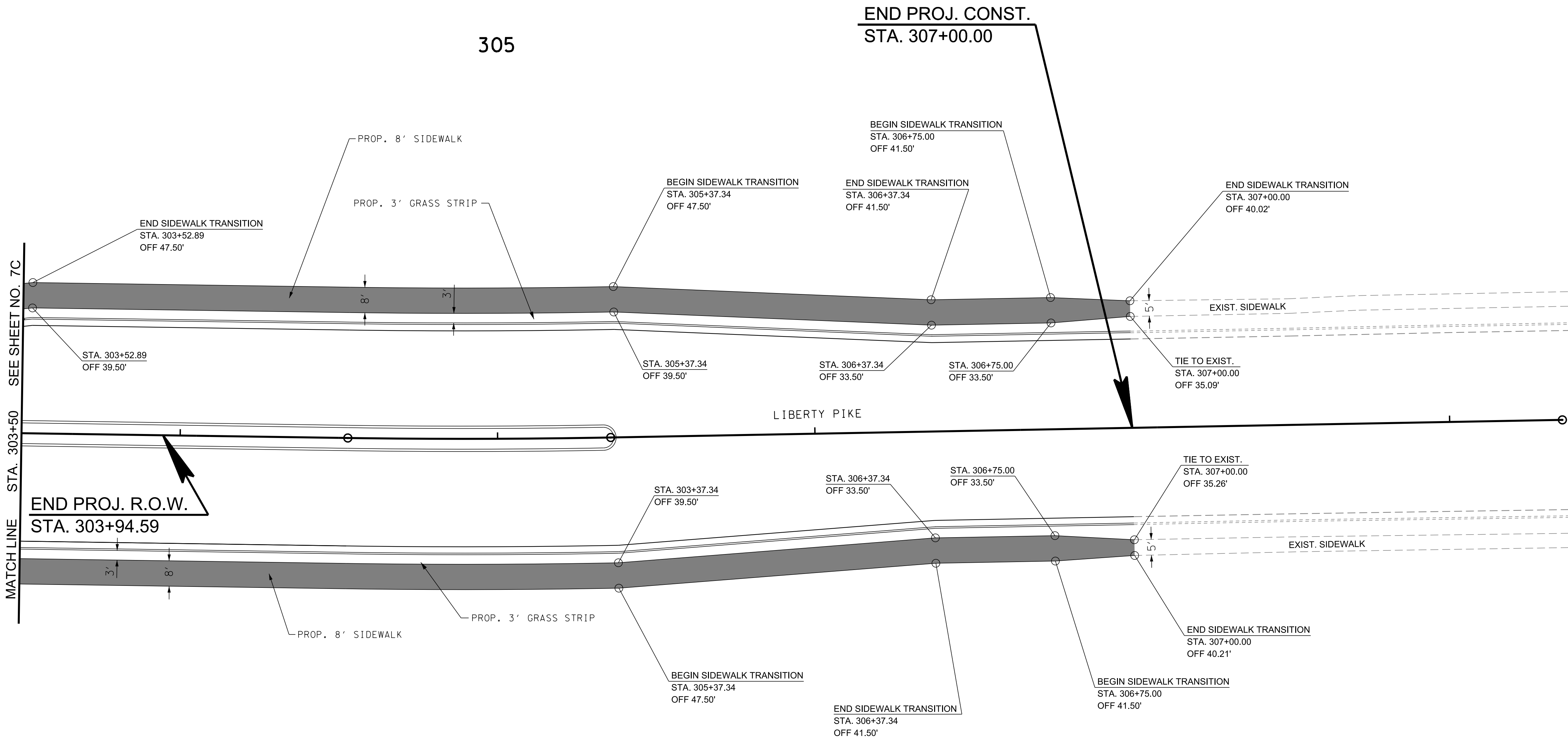
PROPOSED LAYOUT

MALLORY LANE / LIBERTY PIKE
FRANKLIN, TENNESSEE

DATE: _____
DESIGNED BY: _____
DRAWN BY: _____
SUPERVISED BY: _____
CHECKED BY: _____

YEAR: 2023

SHEET NO: 8B



REVISIONS		DESCRIPTION	
NO	DATE	BY	

Volkert

BRENTWOOD COMMONS, 750 OLD HICKORY BLVD.
SUITE 230-1, BRENTWOOD, TN 37027
PHONE: (615) 656-1845 FAX: (615) 656-1870

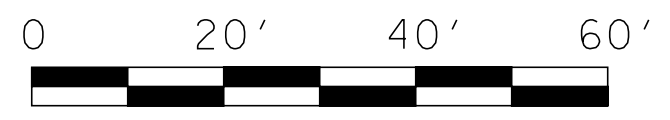
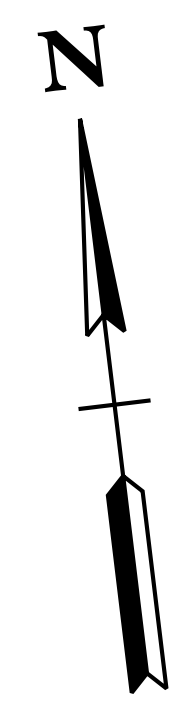
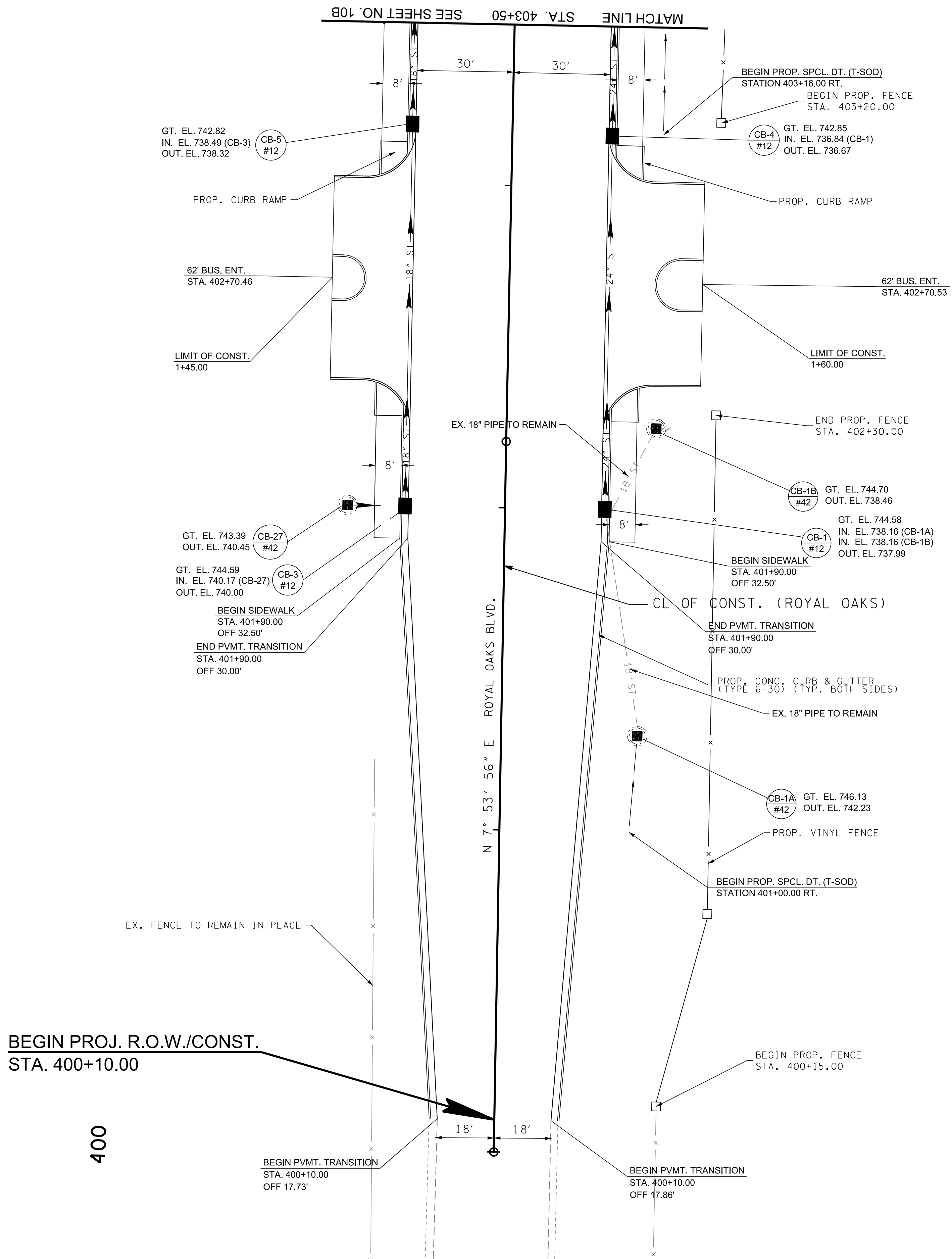
PROPOSED SIDEWALK LAYOUT

MALLORY LANE / LIBERTY PIKE
FRANKLIN, TENNESSEE

DATE: _____
DESIGNED BY: _____
DRAWN BY: _____
SUPERVISED BY: _____
CHECKED BY: _____

YEAR: 2023

SHEET NO: 8C



REVISIONS		DESCRIPTION	
NO	DATE	BY	

Volkert

BRENTWOOD COMMONS, 750 OLD HICKORY BLVD.
SUITE 230-1, BRENTWOOD, TN 37027
PHONE: (615) 656-1845 FAX: (615) 656-1870

PROPOSED LAYOUT

MALLORY LANE / LIBERTY PIKE
FRANKLIN, TENNESSEE

DATE: _____

DESIGNED BY: _____

DRAWN BY: _____

SUPERVISED BY: _____

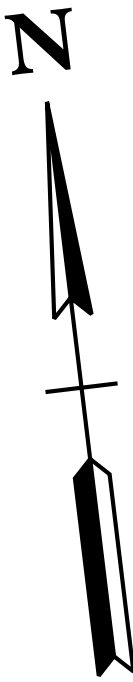
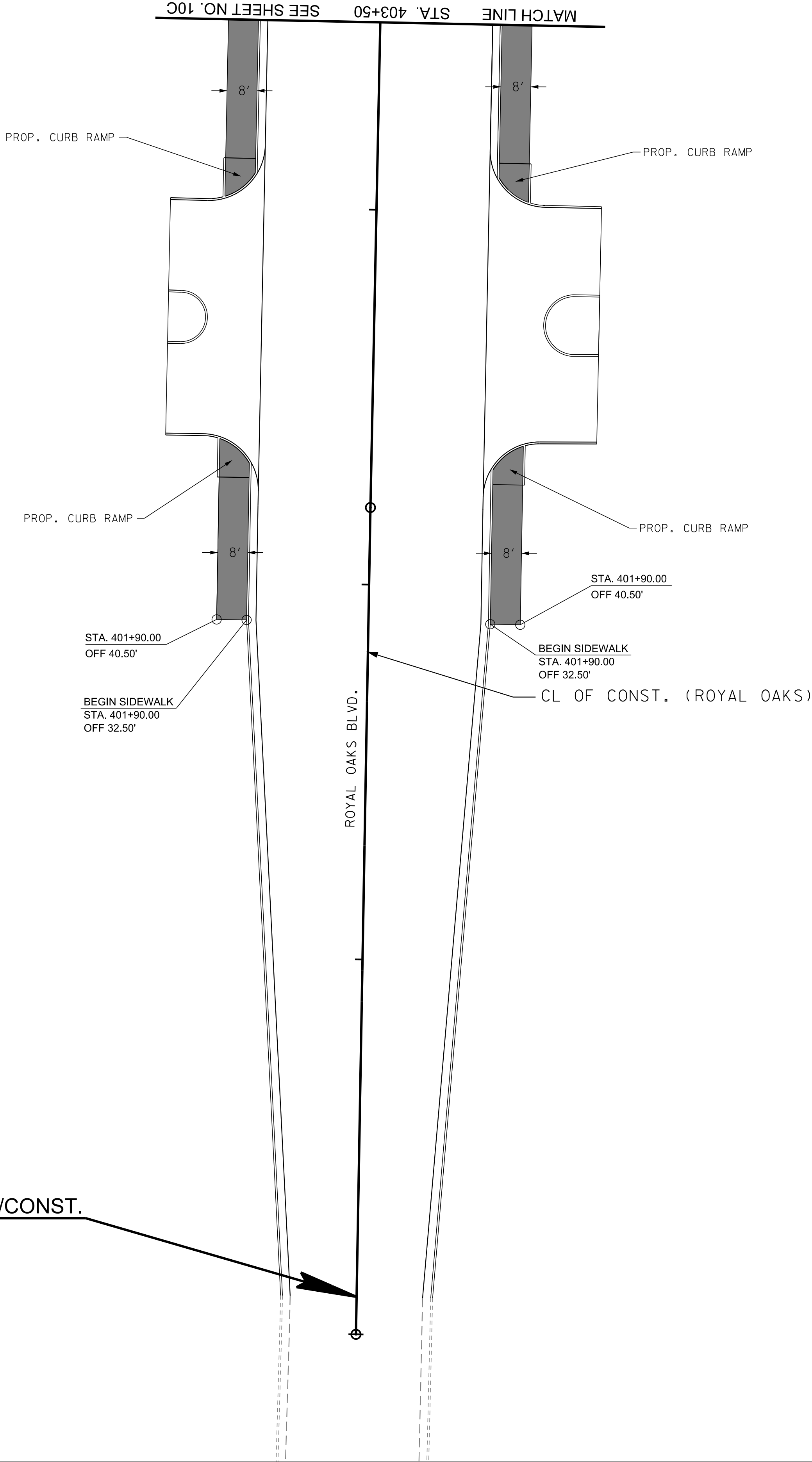
CHECKED BY: _____

YEAR: 2023

SHEET NO: 9B

BEGIN PROJ. R.O.W./CONST.
STA. 400+10.00

400



REVISIONS		DESCRIPTION	
NO	DATE	BY	

Volkert

BRENTWOOD COMMONS, 750 OLD HICKORY BLVD.
SUITE 230-1, BRENTWOOD, TN 37027
PHONE: (615) 656-1845 FAX: (615) 656-1870

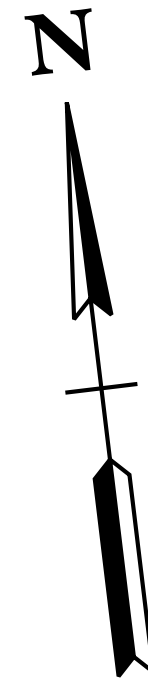
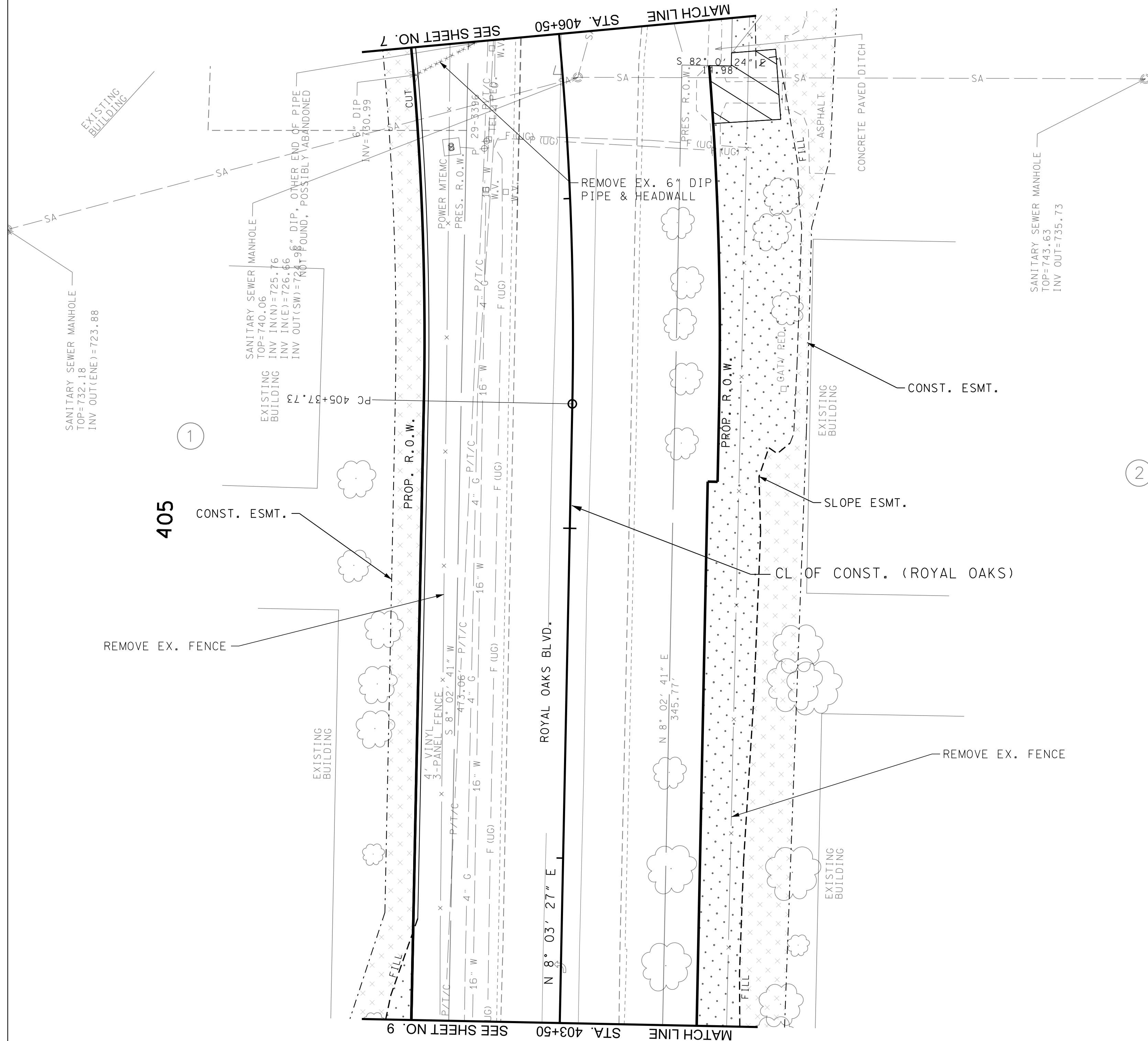
PROPOSED SIDEWALK LAYOUT

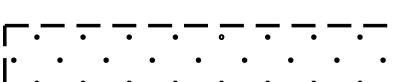
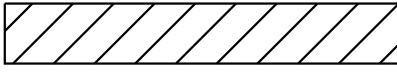
MALLORY LANE / LIBERTY PIKE
FRANKLIN, TENNESSEE

DATE: _____
DESIGNED BY: _____
DRAWN BY: _____
SUPERVISED BY: _____
CHECKED BY: _____

YEAR: 2023

SHEET NO: 9C



LEGEND	
PROPOSED RIGHT-OF-WAY	
SLOPE EASEMENT	
CONSTRUCTION EASEMENT	
DRAINAGE EASEMENT	

[illegible]

Volkert

BRENTWOOD COMMONS, 750 OLD HICKORY BLVD.
SUITE 230-1, BRENTWOOD, TN 37027
PHONE: (615) 656-1845 FAX: (615) 656-1870

PRESENT LAYOUT

MALLORY LANE / LIBERTY PIKE
FRANKLIN, TENNESSEE

DATE: _____

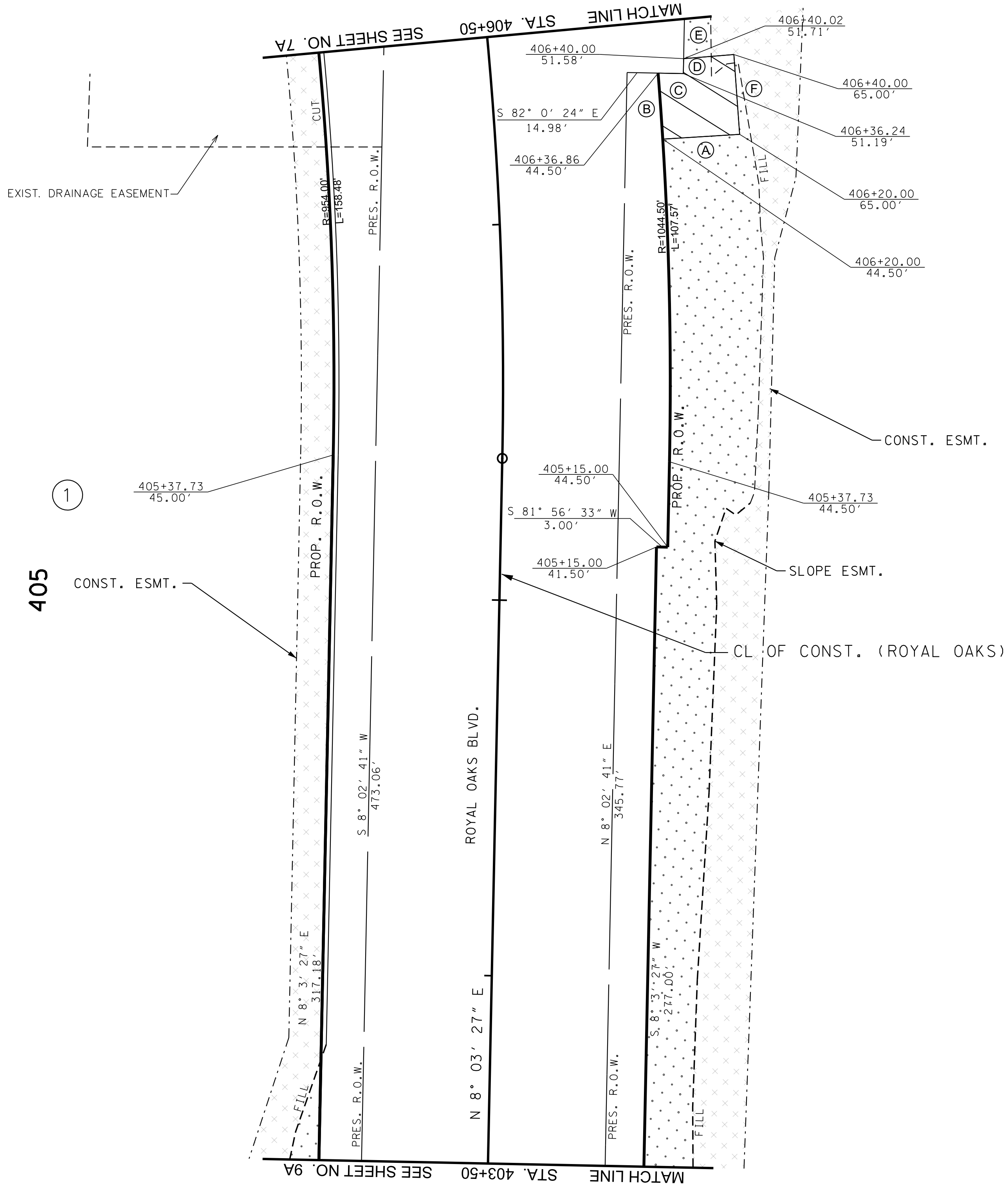
DESIGNED BY: _____

DRAWN BY: _____

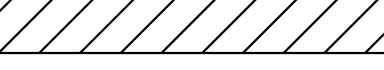
SUPERVISED BY: _____

YEAR: 2023

SHEET NO: 10



DRAINAGE EASEMENT TABLE		
SIDE	BEARING	DISTANCE
(A)	N86°39'22"W	20.50'
(B)	R = 1044.50'	L = 17.61'
(C)	N82°0'24"W	6.72'
(D)	S7°59'36"W	3.98'
(E)	N87°48'7"W	13.42'
(F)	N2°46'15"E	21.30'

LEGEND	
PROPOSED RIGHT-OF-WAY	 PROP. R.O.W.
SLOPE EASEMENT	
CONSTRUCTION EASEMENT	
DRAINAGE EASEMENT	



REVISIONS		DESCRIPTION
NO	DATE	BY

Volkert

BRENTWOOD COMMONS, 750 OLD HICKORY BLVD.
SUITE 230-1, BRENTWOOD, TN 37027
PHONE: (615) 656-1845 FAX: (615) 656-1870

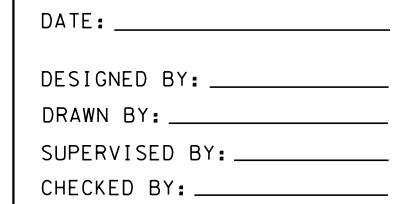
R.O.W. DETAILS

MALLORY LANE / LIBERTY PIKE
FRANKLIN, TENNESSEE

DATE: _____
DESIGNED BY: _____
DRAWN BY: _____
SUPERVISED BY: _____
CHECKED BY: _____

YEAR: 2023

SHEET NO: 10A



YEAR:	2023
SHEET NO:	10B

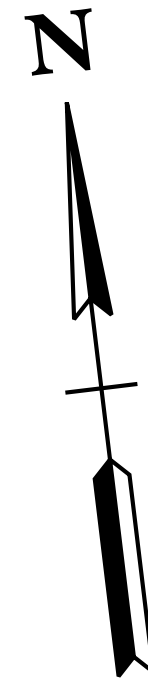
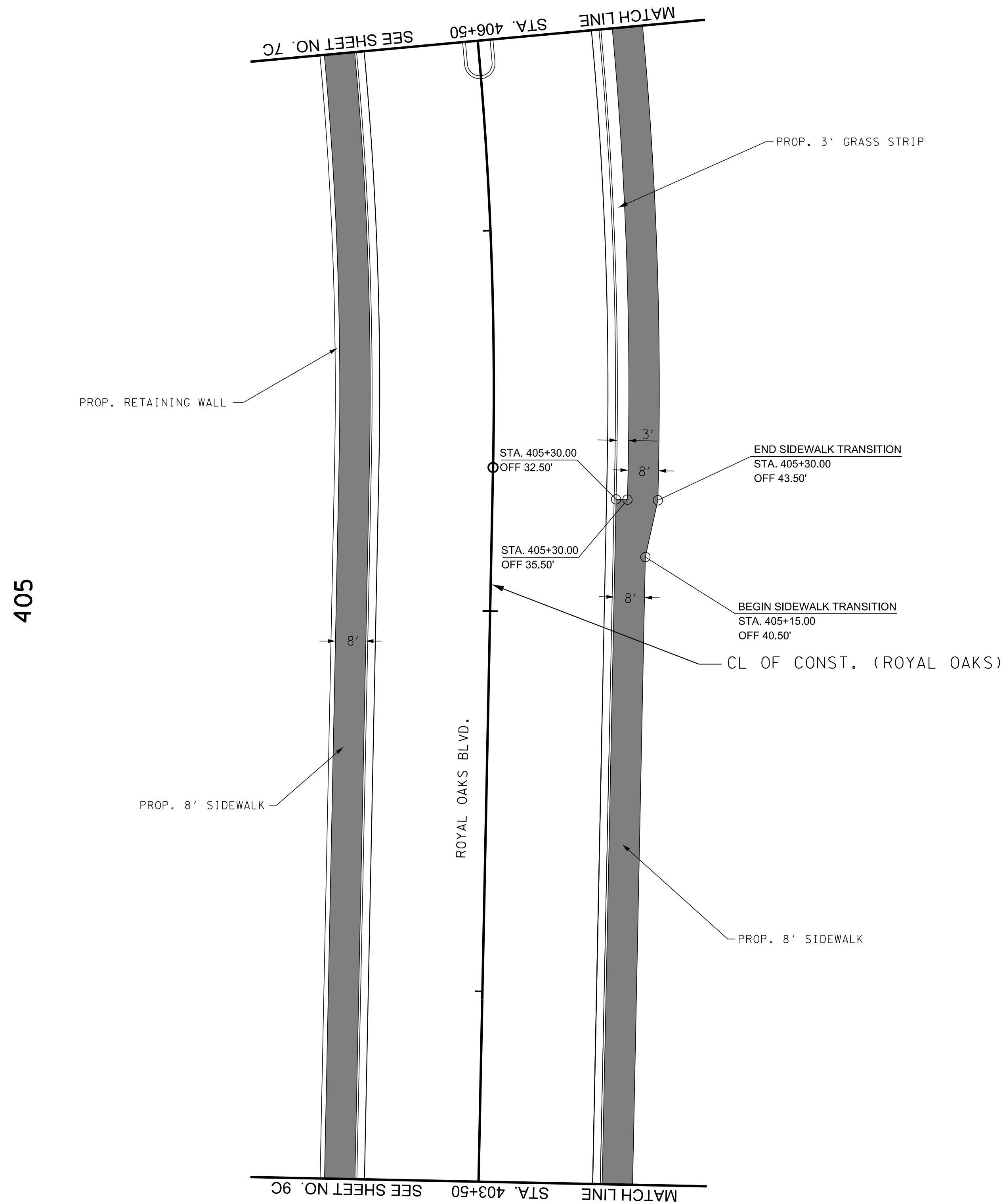
PROPOSED LAYOUT

MALLORY LANE / LIBERTY PIKE
FRANKLIN, TENNESSEE

VOLKERT

BRENTWOOD COMMONS, 750 OLD HICKORY BLVD.
SUITE 230-1, BRENTWOOD, TN 37027
PHONE: (615) 656-1845 FAX: (615) 656-1870

[illegible]

[illegible]

Volkert

BRENTWOOD COMMONS, 750 OLD HICKORY BLVD.
SUITE 230-1, BRENTWOOD, TN 37027
PHONE: (615) 656-1845 FAX: (615) 656-1870

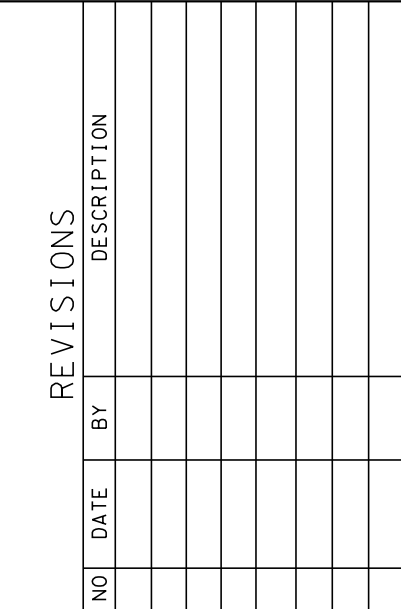
PROPOSED SIDEWALK LAYOUT

MALLORY LANE / LIBERTY PIKE
FRANKLIN, TENNESSEE

DATE: _____
DESIGNED BY: _____
DRAWN BY: _____
SUPERVISED BY: _____
CHECKED BY: _____

YEAR: 2023

SHEET NO: 10C



BRENTWOOD COMMONS, 750 OLD HICKORY BLVD.
SUITE 230-1, BRENTWOOD, TN 37027
PHONE: (615) 656-1845 FAX: (615) 656-1870

PRESENT LAYOUT

MALLORY LANE / LIBERTY PIKE
FRANKLIN, TENNESSEE

DATE: _____

DESIGNED BY: _____

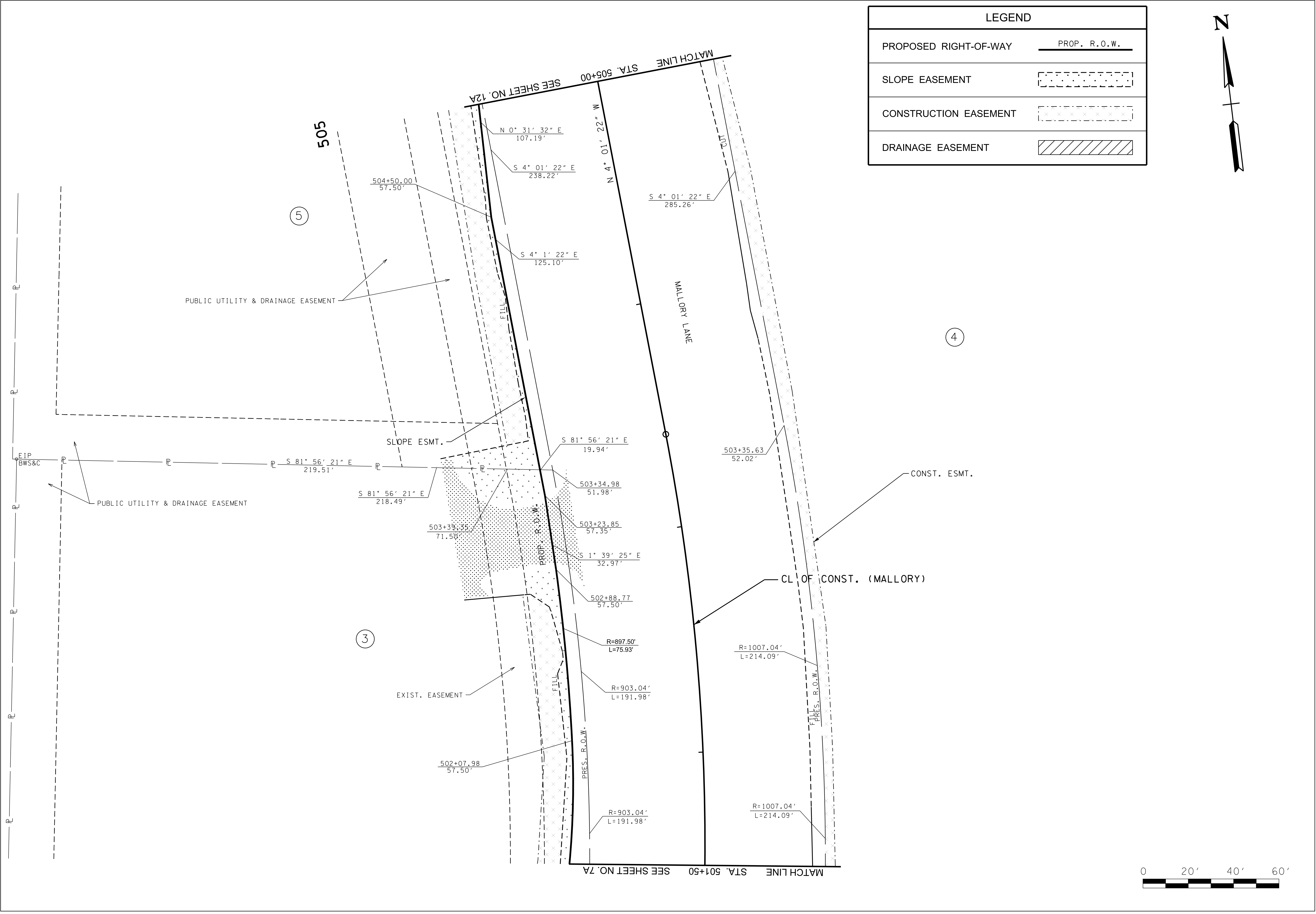
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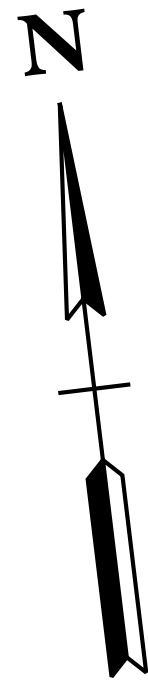
CHECKED BY: _____

YEAR: 2023

SHEET NO:11



LEGEND	
PROPOSED RIGHT-OF-WAY	PROP. R.O.W.
SLOPE EASEMENT	
CONSTRUCTION EASEMENT	
DRAINAGE EASEMENT	



REVISIONS		DESCRIPTION
NO	DATE	BY

Volkert

BRENTWOOD COMMONS, 750 OLD HICKORY BLVD.
SUITE 230-1, BRENTWOOD, TN 37027
PHONE: (615) 656-1845 FAX: (615) 656-1870

R.O.W. DETAILS

MALLORY LANE / LIBERTY PIKE
FRANKLIN, TENNESSEE

DATE: _____

DESIGNED BY: _____

DRAWN BY: _____

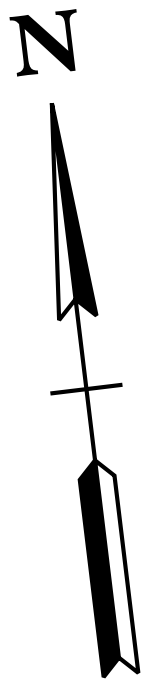
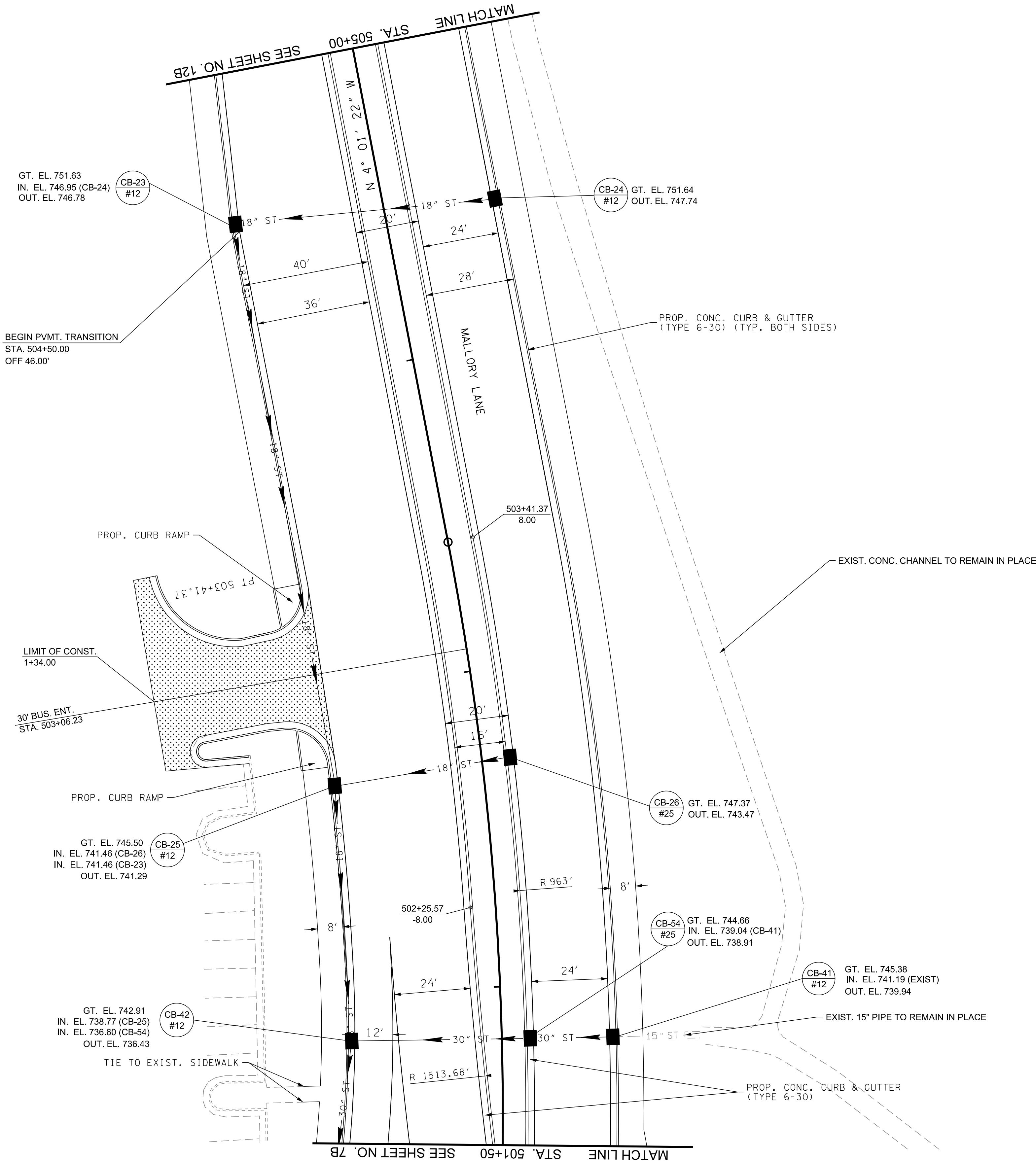
SUPERVISED BY: _____

CHECKED BY: _____

YEAR: 2023

SHEET NO: 11A

505



REVISIONS		DESCRIPTION	
NO	DATE	BY	

Volkert

BRENTWOOD COMMONS, 750 OLD HICKORY BLVD.
SUITE 230-1, BRENTWOOD, TN 37027
PHONE: (615) 656-1845 FAX: (615) 656-1870

PROPOSED LAYOUT

MALLORY LANE / LIBERTY PIKE
FRANKLIN, TENNESSEE

DATE: _____
DESIGNED BY: _____
DRAWN BY: _____
SUPERVISED BY: _____
CHECKED BY: _____

YEAR: 2023

SHEET NO: 11B

505

BEGIN SIDEWALK TRANSITION
STA. 504+50.00
OFF 56.50'

PROP. 8' SIDEWALK

PROP. CURB RAMP

PT 503+41.37

PROP. CURB RAMP

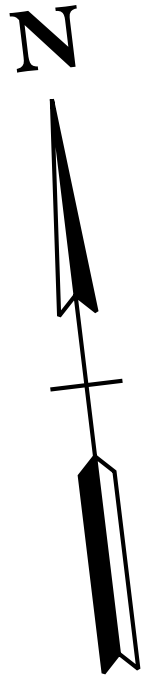
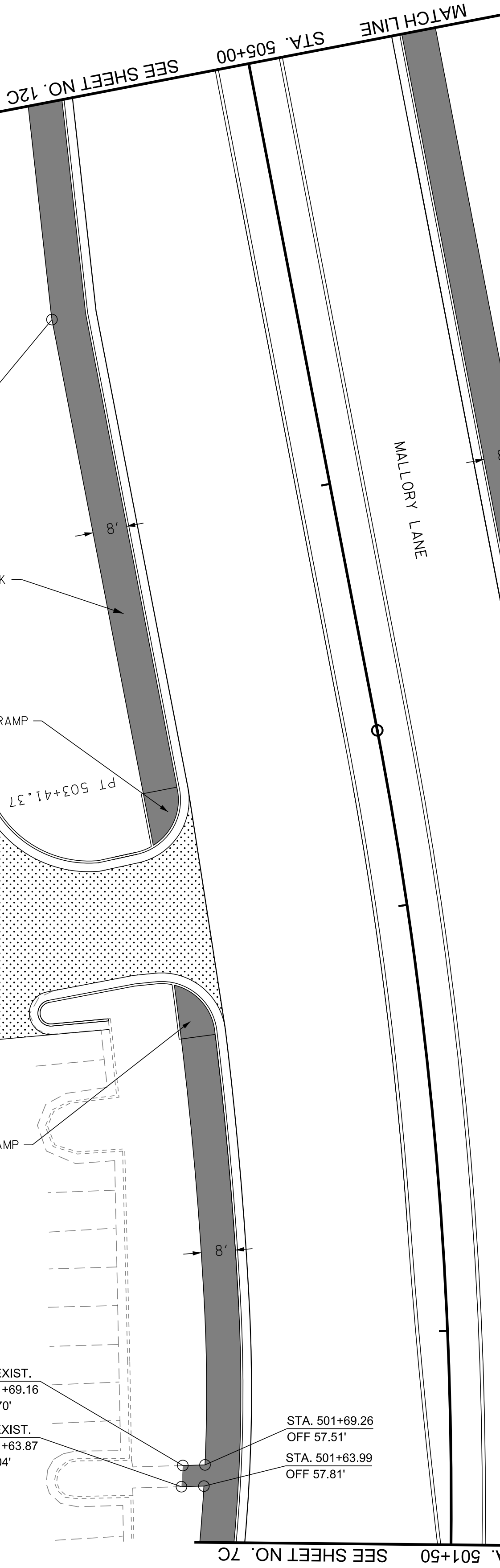
TIE TO EXIST.
STA. 501+69.16
OFF 62.70'

TIE TO EXIST.
STA. 501+63.87
OFF 63.04'

STA. 501+69.26
OFF 57.51'

STA. 501+63.99
OFF 57.81'

END SIDEWALK TRANSITION
STA. 501+55.02
OFF 44.50'



REVISIONS		DESCRIPTION	
NO	DATE	BY	

Volkert

BRENTWOOD COMMONS, 750 OLD HICKORY BLVD.
SUITE 230-1, BRENTWOOD, TN 37027
PHONE: (615) 656-1845 FAX: (615) 656-1870

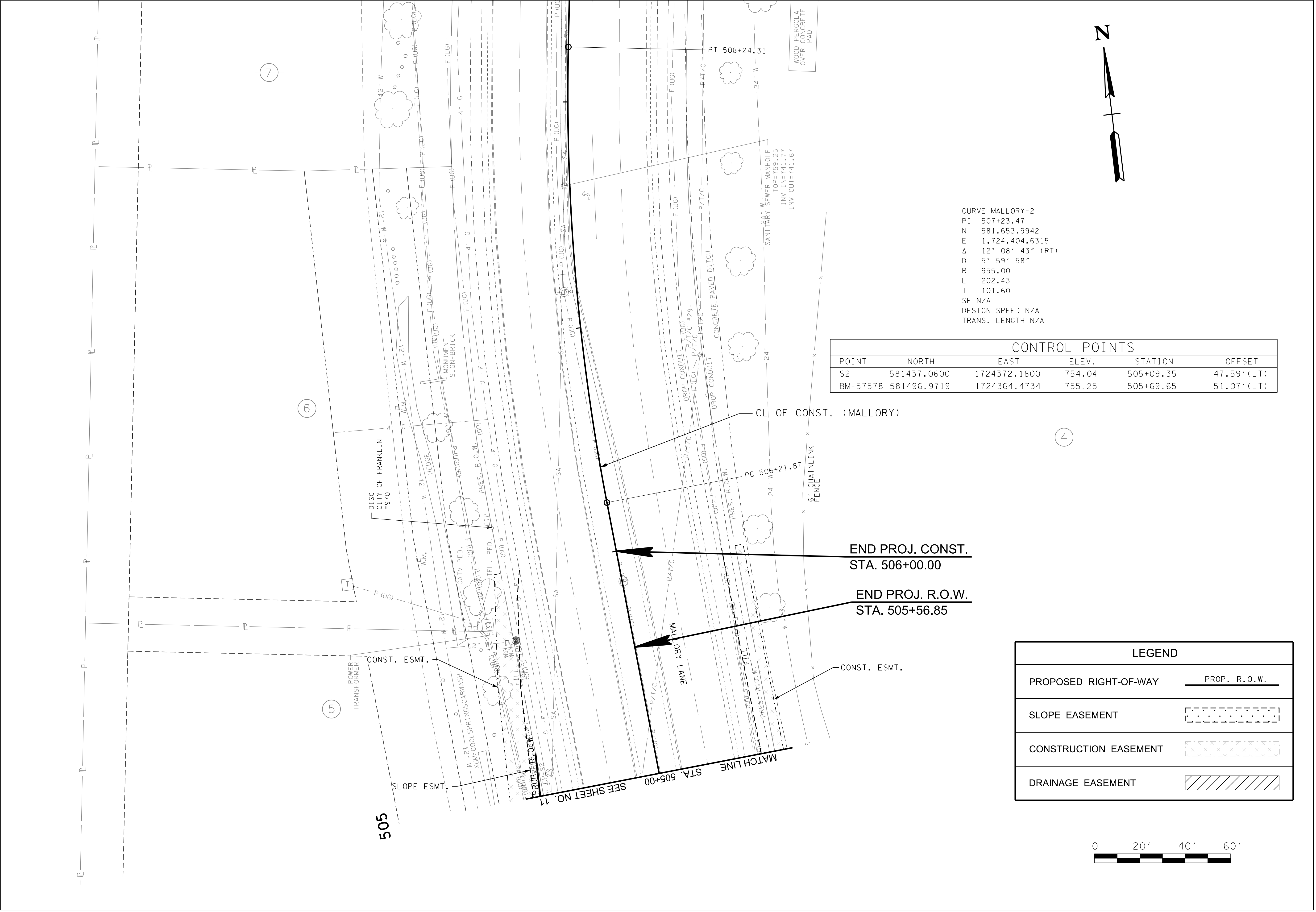
PROPOSED SIDEWALK LAYOUT

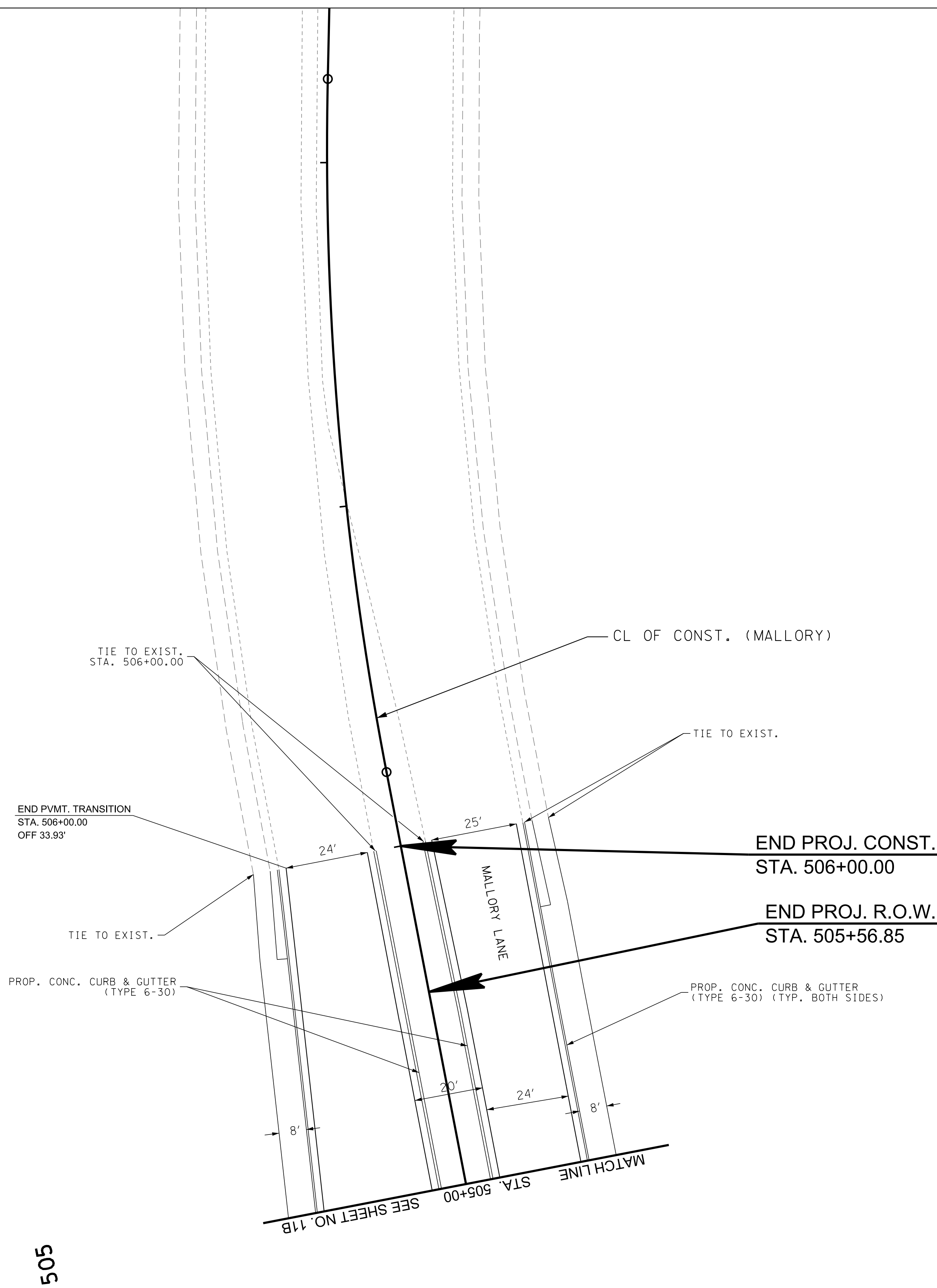
MALLORY LANE / LIBERTY PIKE
FRANKLIN, TENNESSEE

DATE: _____
DESIGNED BY: _____
DRAWN BY: _____
SUPERVISED BY: _____
CHECKED BY: _____

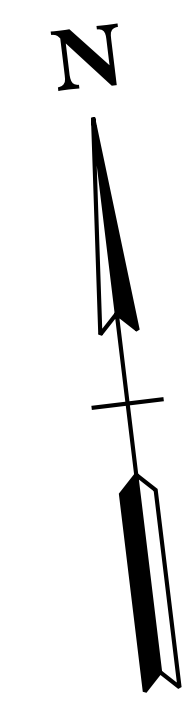
YEAR: 2023

SHEET NO: 11C





505



REVISIONS		DESCRIPTION	
NO	DATE	BY	

Volkert

BRENTWOOD COMMONS, 750 OLD HICKORY BLVD.
SUITE 230-1, BRENTWOOD, TN 37027
PHONE: (615) 656-1845 FAX: (615) 656-1870

PROPOSED LAYOUT

MALLORY LANE / LIBERTY PIKE
FRANKLIN, TENNESSEE

DATE: _____

DESIGNED BY: _____

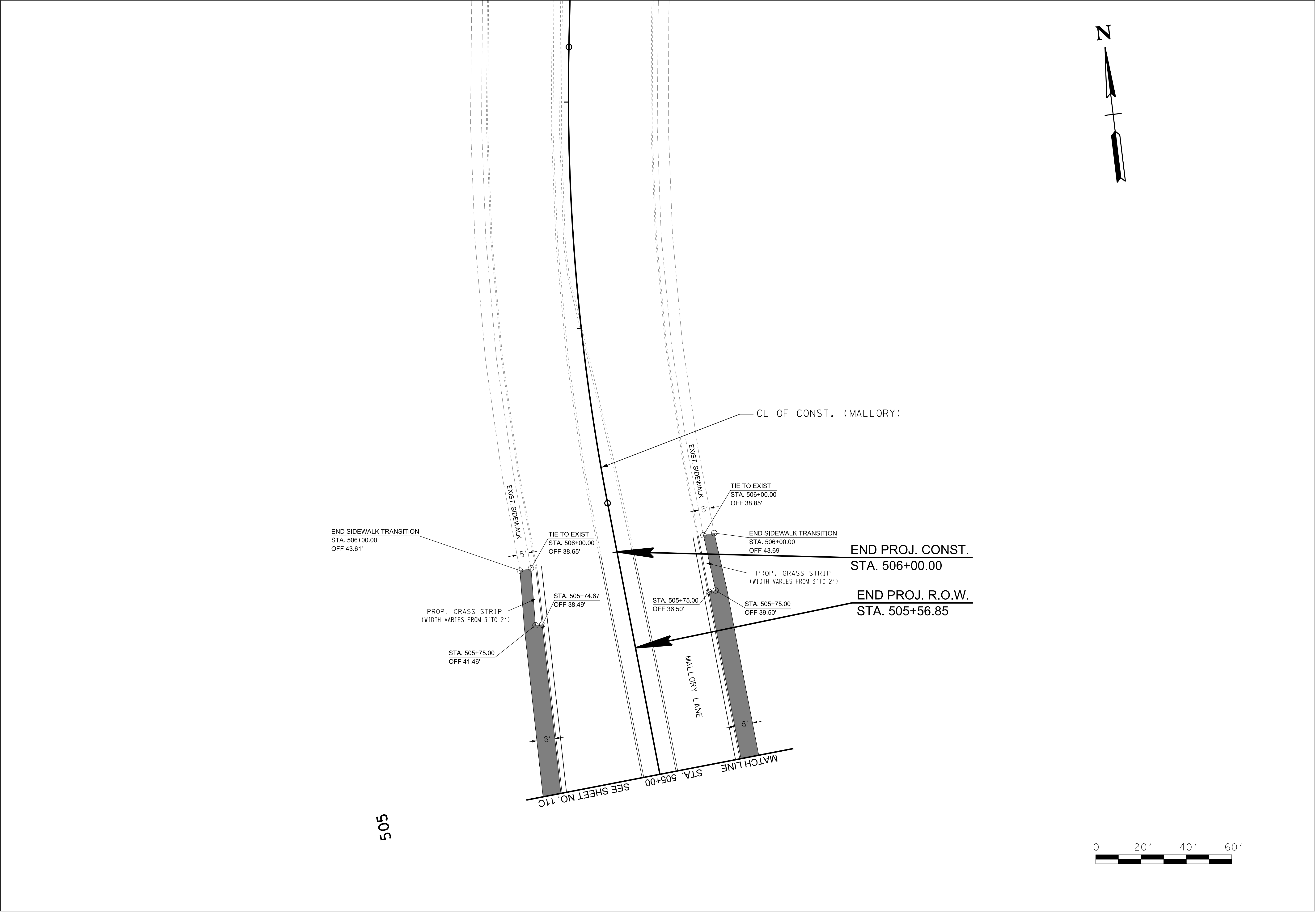
DRAWN BY: _____

SUPERVISED BY: _____

CHECKED BY: _____

YEAR: 2023

SHEET NO: 12B



505

REVISIONS		DESCRIPTION	
NO	DATE	BY	

Volkert

BRENTWOOD COMMONS, 750 OLD HICKORY BLVD.
SUITE 230-1, BRENTWOOD, TN 37027
PHONE: (615) 656-1845 FAX: (615) 656-1870

PROPOSED SIDEWALK LAYOUT

MALLORY LANE / LIBERTY PIKE
FRANKLIN, TENNESSEE

DATE: _____

DESIGNED BY: _____

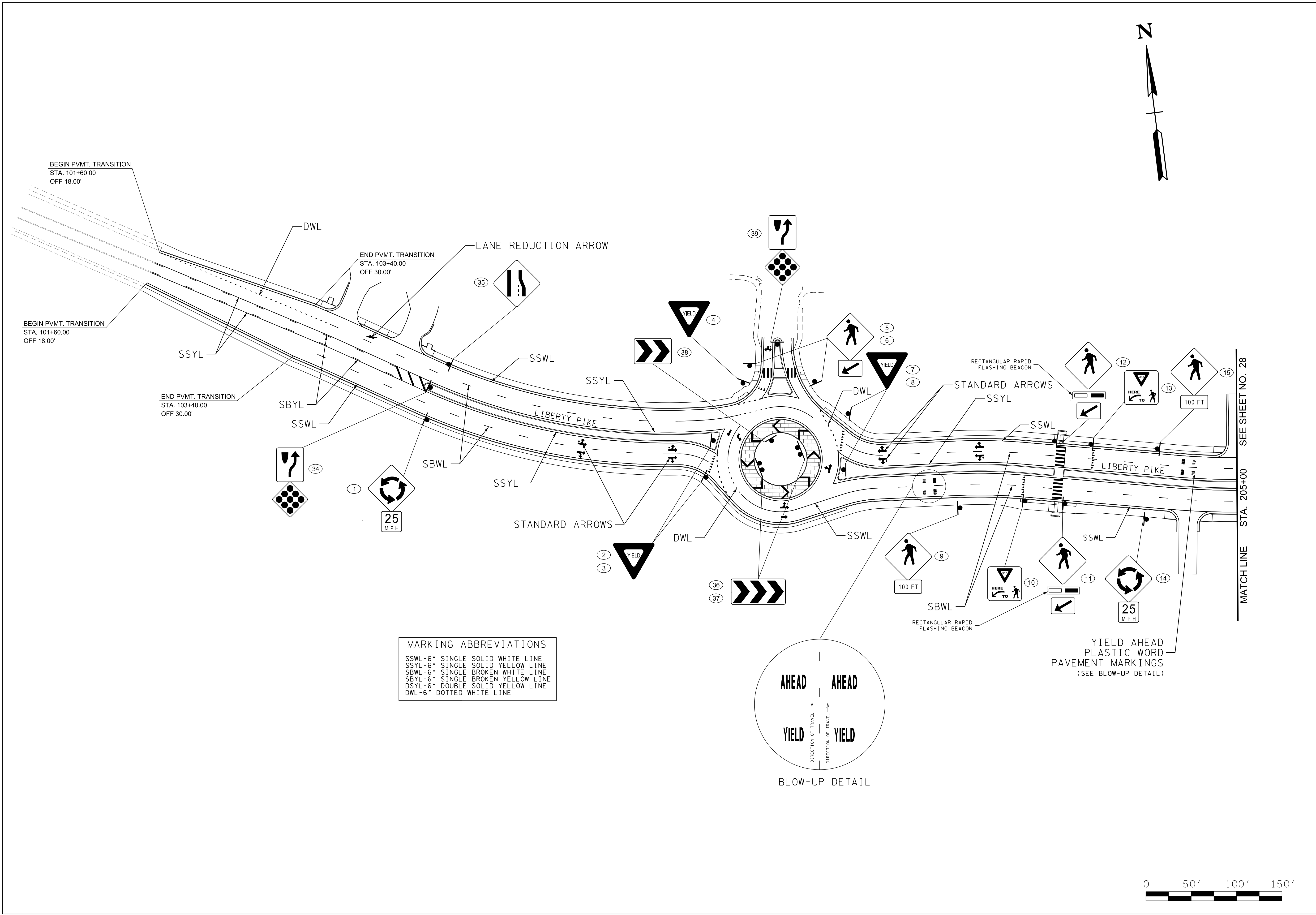
DRAWN BY: _____

SUPERVISED BY: _____

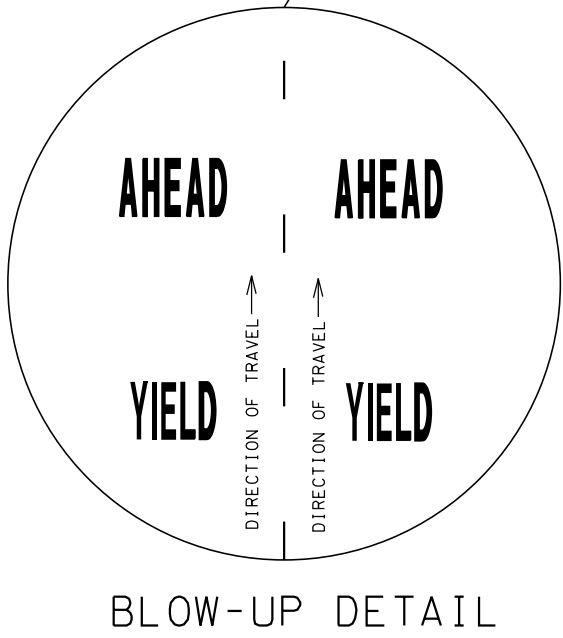
CHECKED BY: _____

YEAR: 2023

SHEET NO: 12C



MARKING ABBREVIATIONS	
SSWL-6"	SINGLE SOLID WHITE LINE
SSYL-6"	SINGLE SOLID YELLOW LINE
SBWL-6"	SINGLE BROKEN WHITE LINE
SBYL-6"	SINGLE BROKEN YELLOW LINE
DSYL-6"	DOUBLE SOLID YELLOW LINE
DWL-6"	DOTTED WHITE LINE



REVISIONS	
NO.	DESCRIPTION

Volkert

BRENTWOOD COMMONS, 750 OLD HICKORY BLVD.
SUITE 230-1, BRENTWOOD, TN 37027
PHONE: (615) 656-1845 FAX: (615) 656-1870

SIGNING AND PAVEMENT MARKING PLANS

MALLORY LANE / LIBERTY PIKE
FRANKLIN, TENNESSEE

DATE: _____

DESIGNED BY: _____

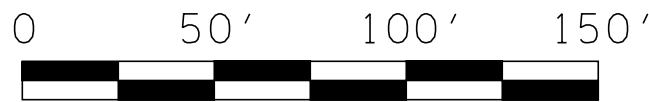
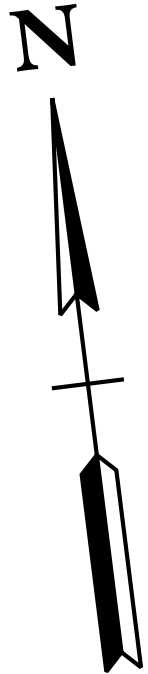
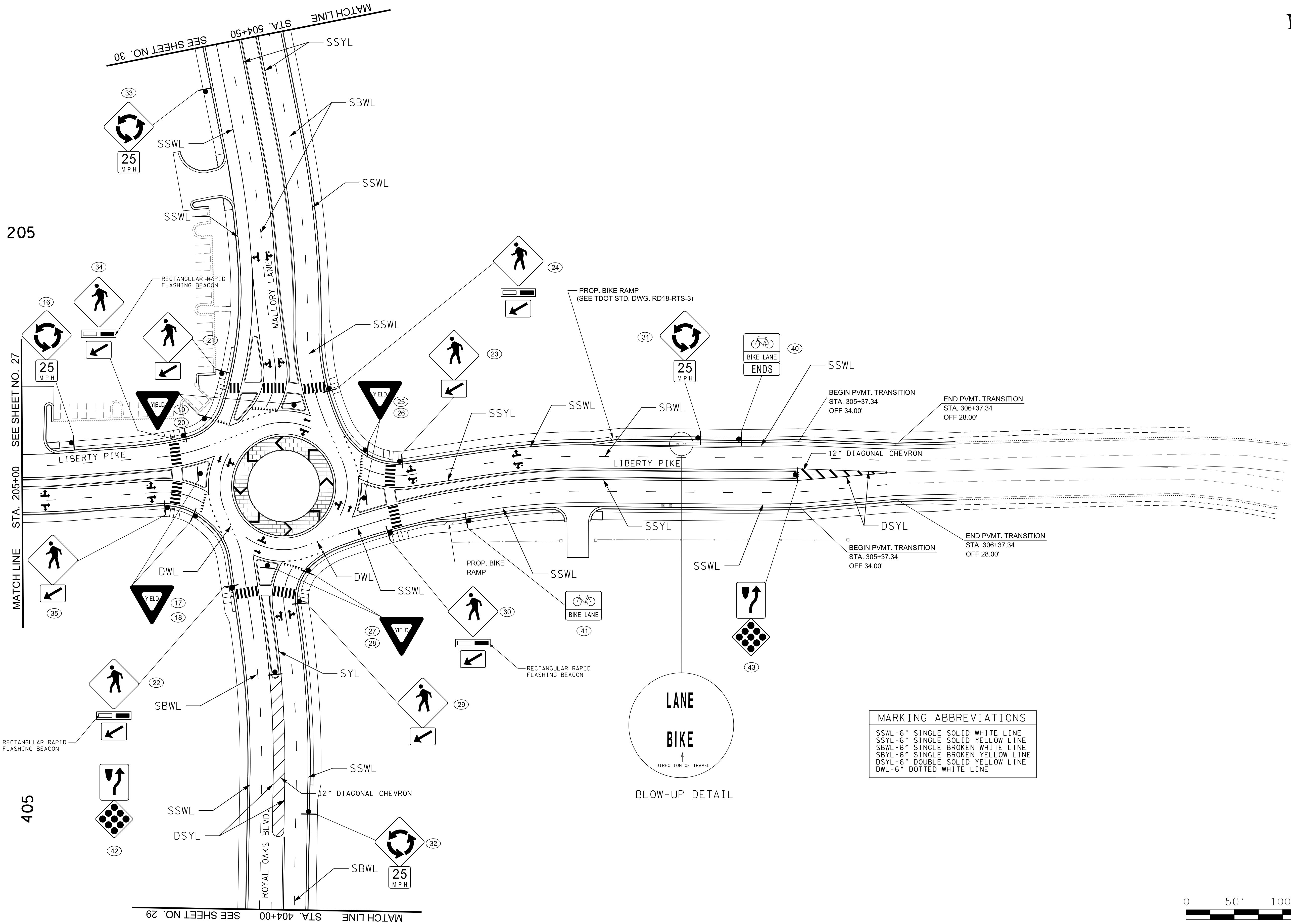
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YEAR: 2023

SHEET NO: 27



REVISIONS		DESCRIPTION	
NO	DATE	BY	

SIGNING AND PAVEMENT MARKING PLANS

MALLERY LANE / LIBERTY PIKE
FRANKLIN, TENNESSEE

Volkert

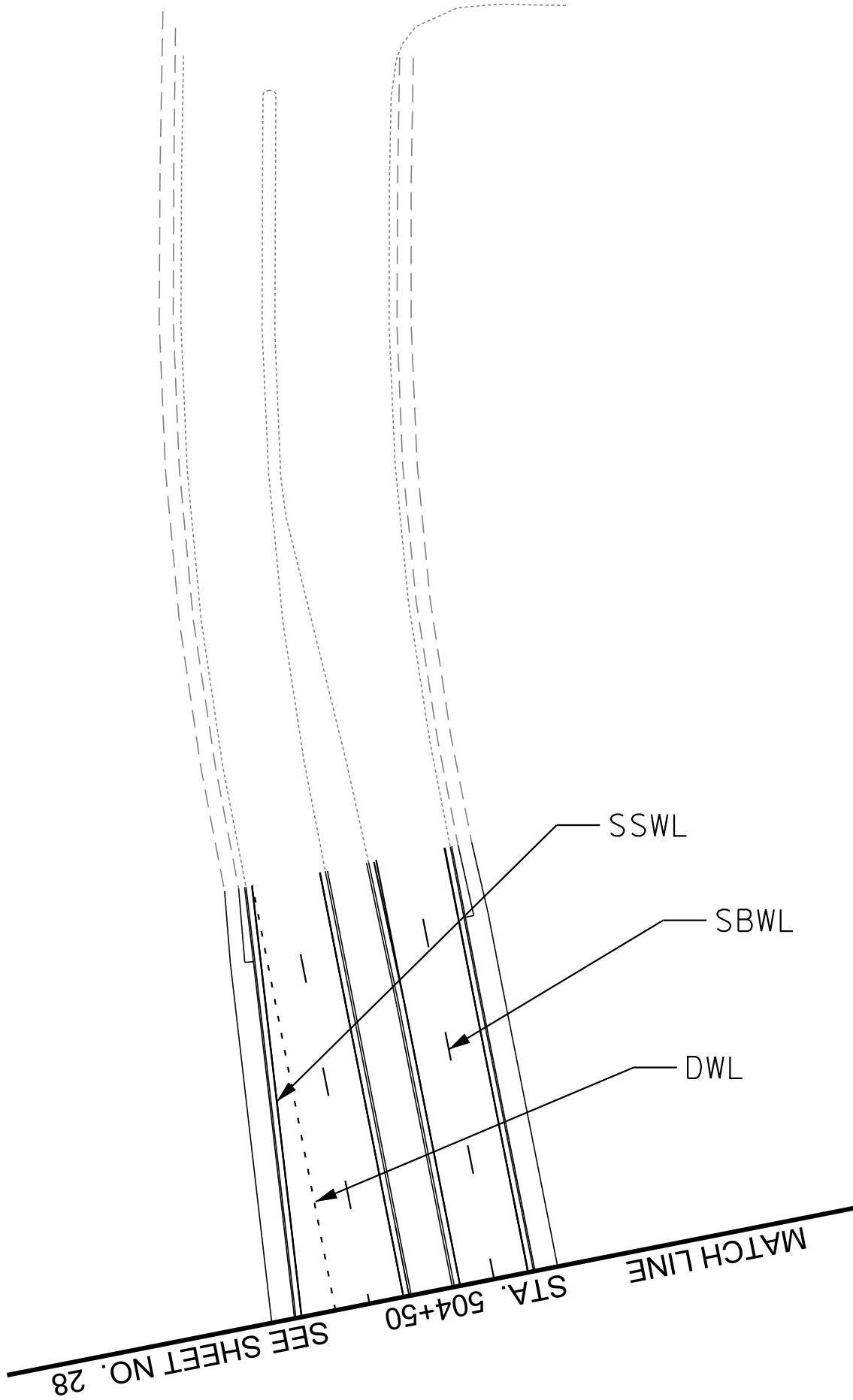
BRENTWOOD COMMONS, 750 OLD HICKORY BLVD.
SUITE 230-1, BRENTWOOD, TN 37027
PHONE: (615) 656-1845 FAX: (615) 656-1870

DATE: _____
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DRAWN BY: _____
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CHECKED BY: _____

YEAR: 2023

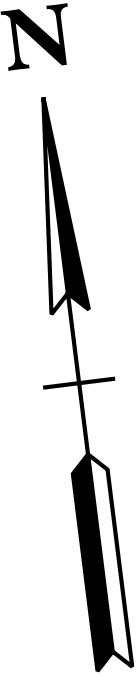
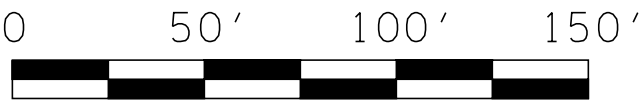
SHEET NO: 28

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MARKING ABBREVIATIONS

- SSWL-6" SINGLE SOLID WHITE LINE
- SSYL-6" SINGLE SOLID YELLOW LINE
- SBWL-6" SINGLE BROKEN WHITE LINE
- SBYL-6" SINGLE BROKEN YELLOW LINE
- DSYL-6" DOUBLE SOLID YELLOW LINE
- DWL-6" DOTTED WHITE LINE



DATE: _____
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CHECKED BY: _____

YEAR: 2023

SHEET NO: 30

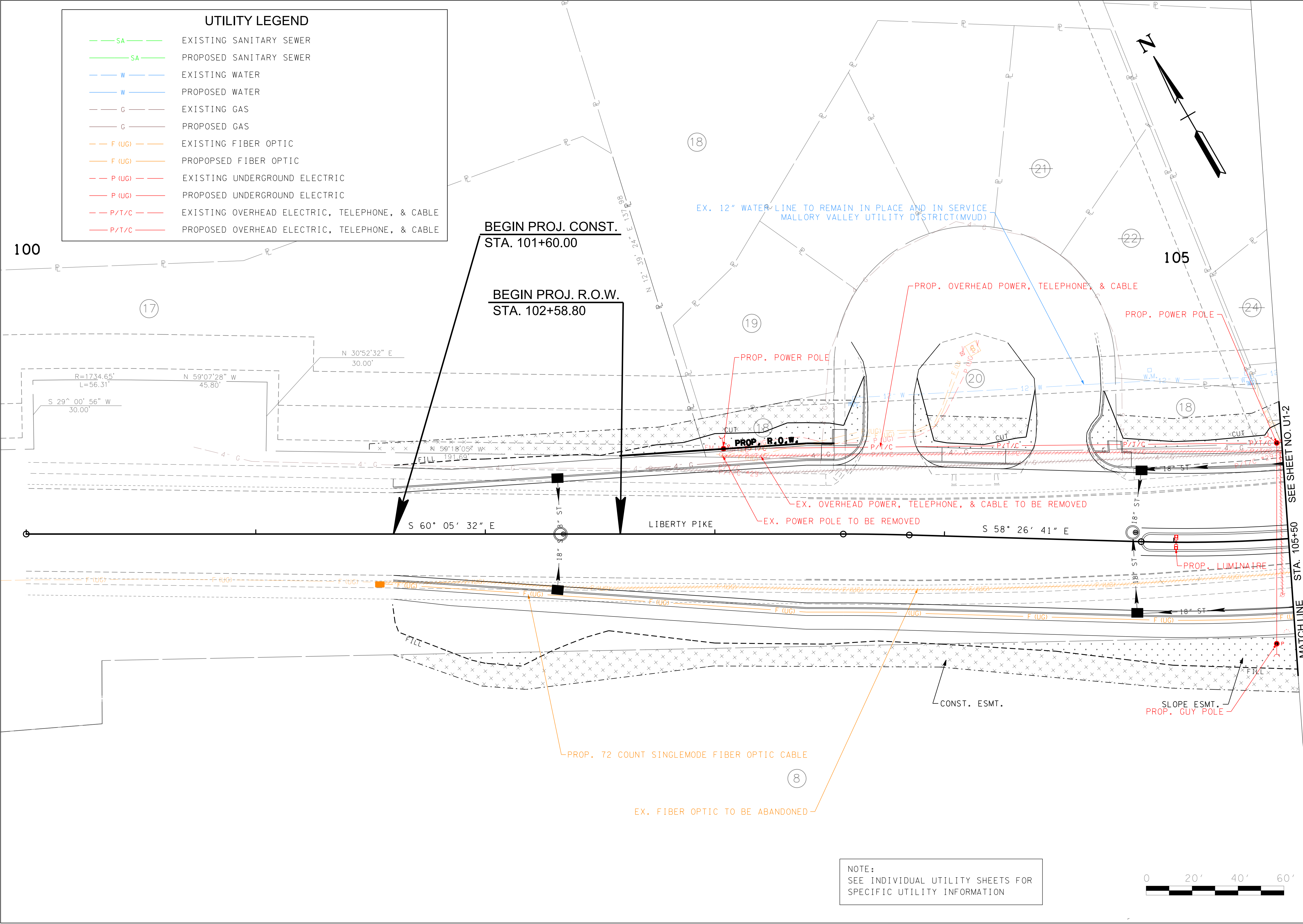
SIGNING AND PAVEMENT
MARKING PLANS

MALLORY LANE / LIBERTY PIKE
FRANKLIN, TENNESSEE

Volkert

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REVISIONS		DESCRIPTION	
NO	DATE	BY	



UTILITY LEGEND	
--- SA ---	EXISTING SANITARY SEWER
--- SA ---	PROPOSED SANITARY SEWER
--- W ---	EXISTING WATER
--- W ---	PROPOSED WATER
--- G ---	EXISTING GAS
--- G ---	PROPOSED GAS
--- F (UG) ---	EXISTING FIBER OPTIC
--- F (UG) ---	PROPOSED FIBER OPTIC
--- P (UG) ---	EXISTING UNDERGROUND ELECTRIC
--- P (UG) ---	PROPOSED UNDERGROUND ELECTRIC
--- P/T/C ---	EXISTING OVERHEAD ELECTRIC, TELEPHONE, & CABLE
--- P/T/C ---	PROPOSED OVERHEAD ELECTRIC, TELEPHONE, & CABLE

REVISIONS	
NO	DATE

Volkert

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OVERALL UTILITY RELOCATION PLAN

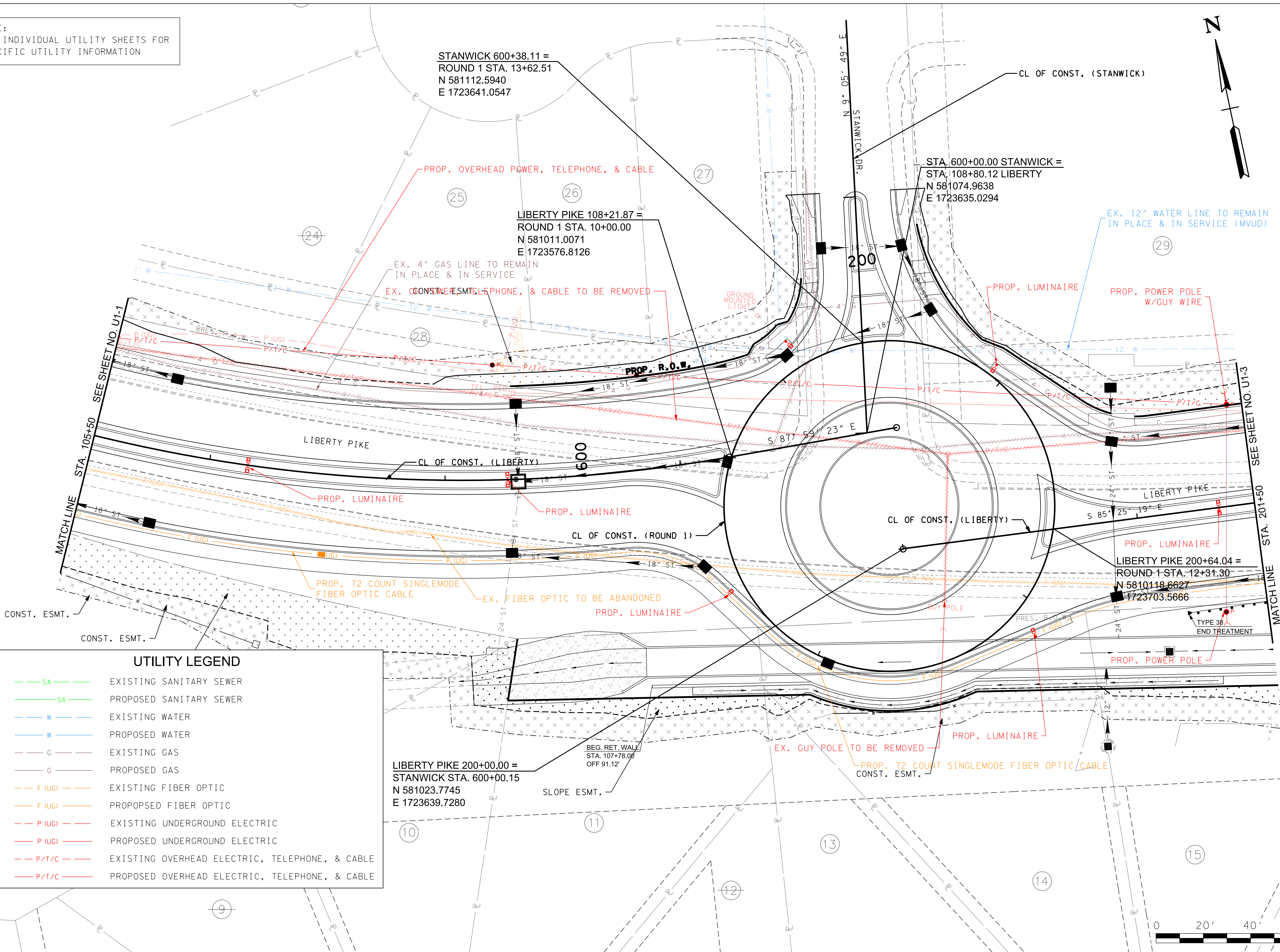
MALLORY LANE / LIBERTY PIKE
FRANKLIN, TENNESSEE

DATE: _____
DESIGNED BY: _____
DRAWN BY: _____
SUPERVISED BY: _____
CHECKED BY: _____

YEAR: 2023

SHEET NO: U1-1

NOTE:
SEE INDIVIDUAL UTILITY SHEETS FOR
SPECIFIC UTILITY INFORMATION

[illegible]

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PHONE: (615) 656-1845 FAX: (615) 656-1870

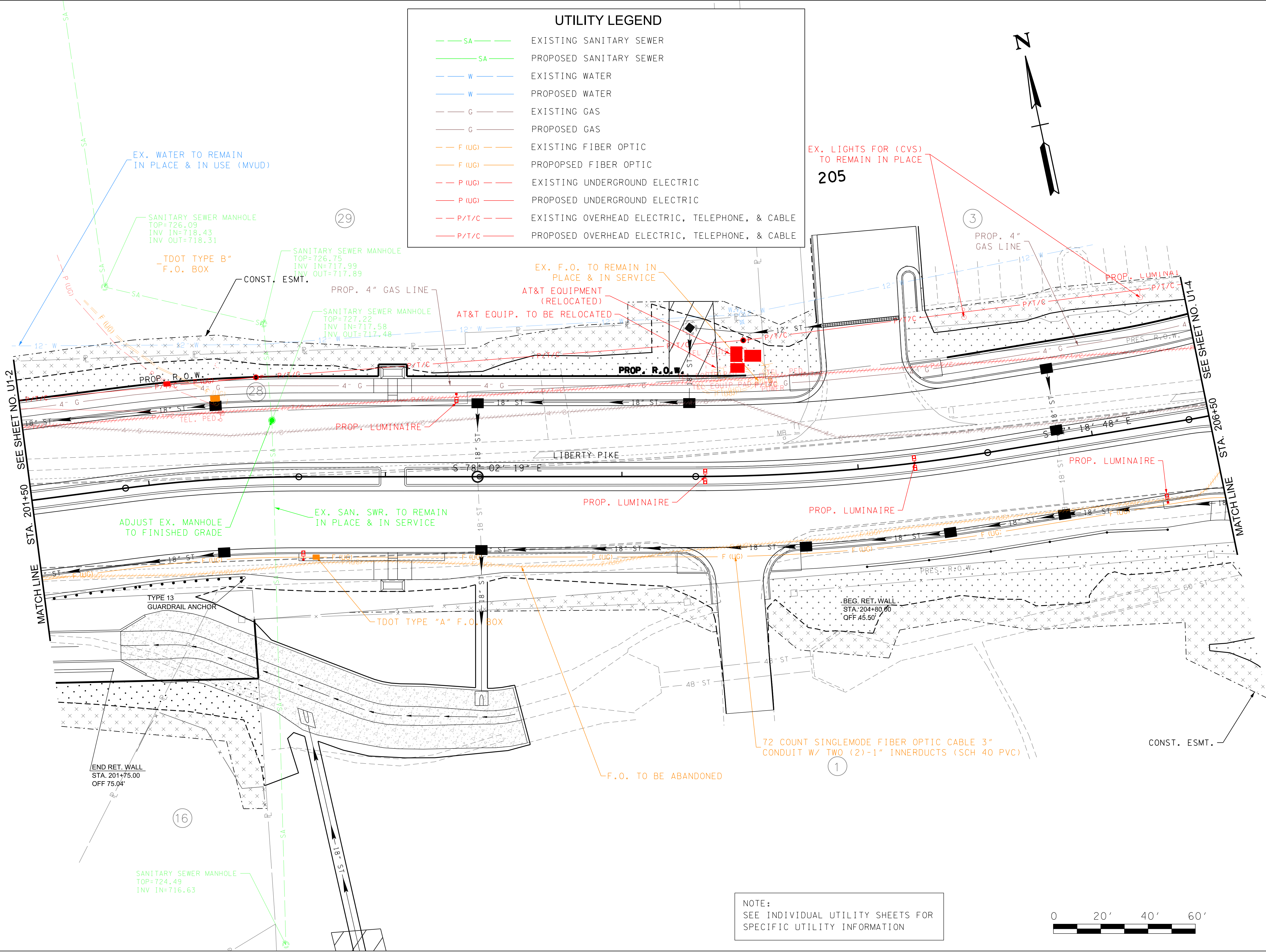
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MALLORY LANE / LIBERTY PIKE
FRANKLIN, TENNESSEE

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SHEET NO:U1-2



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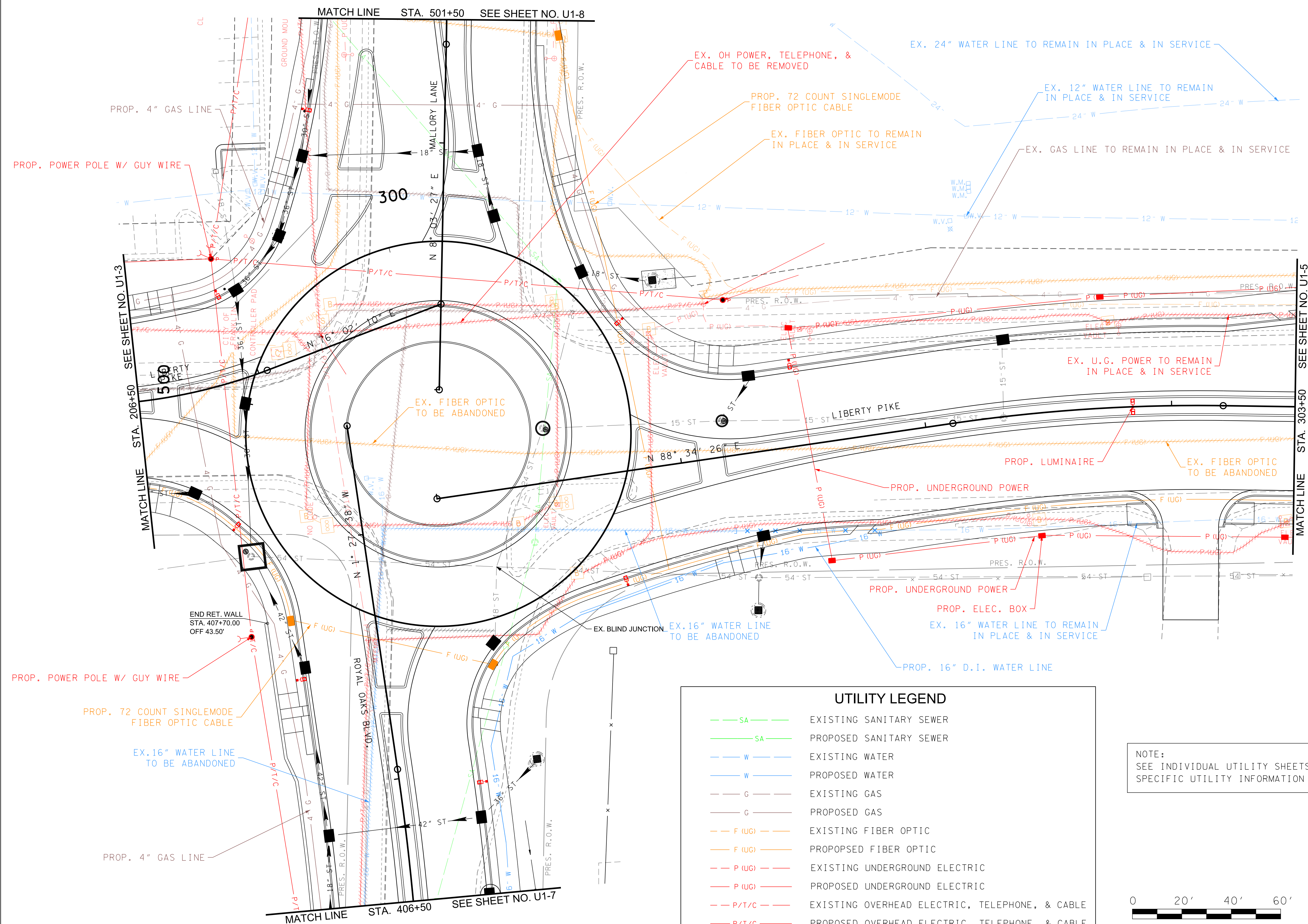
OVERALL UTILITY RELOCATION PLAN

MALLORY LANE / LIBERTY PIKE
FRANKLIN, TENNESSEE

DATE: _____
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CHECKED BY: _____

YEAR: 2023

SHEET NO: U1-3

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OVERALL UTILITY RELOCATION PLAN

FRANKLIN, TENNESSEE

DATE: _____

DESIGNED BY: _____

DRAWN BY: _____

SUPERVISED BY: _____

CHECKED BY: _____

YEAR: 2023

SHEET NO:U1-4

NOTE:
SEE INDIVIDUAL UTILITY SHEETS FOR
SPECIFIC UTILITY INFORMATION

EX. 24" WATER LINE TO REMAIN IN PLACE & IN SERVICE (MVUD)

EX. 16" WATER LINE TO REMAIN IN PLACE & IN SERVICE(MVUD)

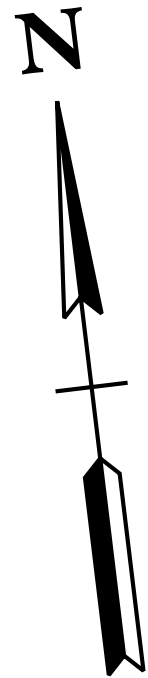
4

305

END PROJ. CONST.
STA. 307+00.00

UTILITY LEGEND

- SA EXISTING SANITARY SEWER
- SA PROPOSED SANITARY SEWER
- W EXISTING WATER
- W PROPOSED WATER
- G EXISTING GAS
- G PROPOSED GAS
- F (UG) EXISTING FIBER OPTIC
- F (UG) PROPOSED FIBER OPTIC
- P (UG) EXISTING UNDERGROUND ELECTRIC
- P (UG) PROPOSED UNDERGROUND ELECTRIC
- P/T/C EXISTING OVERHEAD ELECTRIC, TELEPHONE, & CABLE
- P/T/C PROPOSED OVERHEAD ELECTRIC, TELEPHONE, & CABLE



MATCH LINE STA. 303+50 SEE SHEET NO. U1-4

END PROJ. R.O.W.
STA. 303+94.59

LIBERTY PIKE

CITY OF FRANKLIN

2

REVISIONS
NO. DATE BY DESCRIPTION

OVERALL UTILITY RELOCATION PLAN

DATE: _____
DESIGNED BY: _____
DRAWN BY: _____
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CHECKED BY: _____

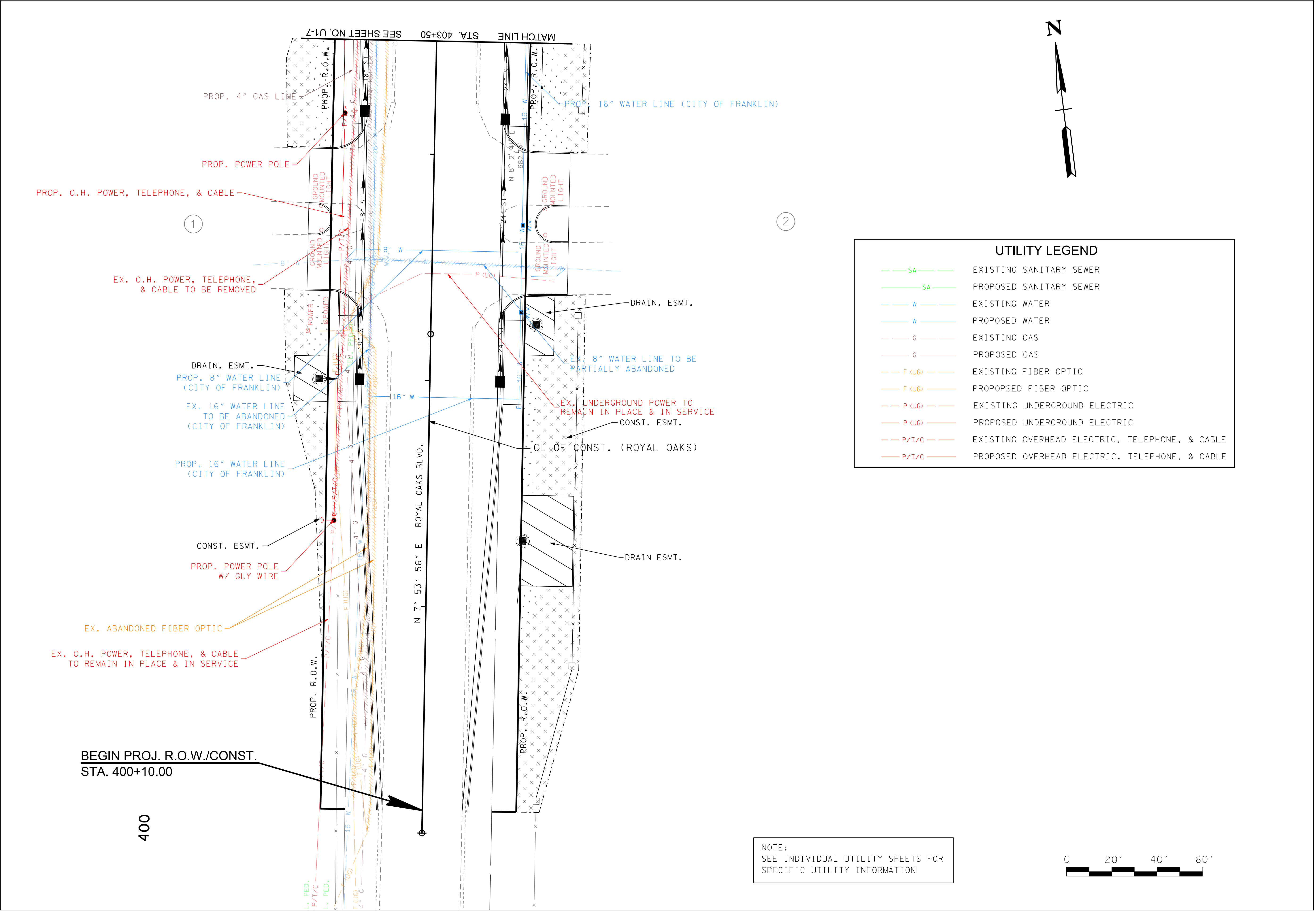
YEAR: 2023

SHEET NO:U1-5

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MALLORY LANE / LIBERTY PIKE
FRANKLIN, TENNESSEE

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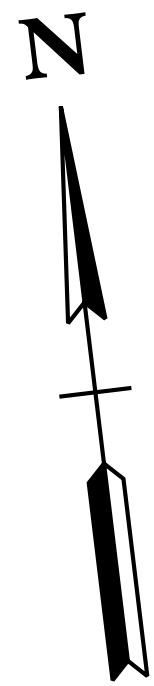
OVERALL UTILITY RELOCATION PLAN

MALLORY LANE / LIBERTY PIKE
FRANKLIN, TENNESSEE

DATE: _____
DESIGNED BY: _____
DRAWN BY: _____
SUPERVISED BY: _____
CHECKED BY: _____

YEAR: 2023

SHEET NO: U1-6



UTILITY LEGEND

 SA	EXISTING SANITARY SEWER
 SA	PROPOSED SANITARY SEWER
 W	EXISTING WATER
 W	PROPOSED WATER
 G	EXISTING GAS
 G	PROPOSED GAS
 F (UG)	EXISTING FIBER OPTIC
 F (UG)	PROPOSED FIBER OPTIC
 P (UG)	EXISTING UNDERGROUND ELECTRIC
 P (UG)	PROPOSED UNDERGROUND ELECTRIC
 P/T/C	EXISTING OVERHEAD ELECTRIC, TELEPHONE, & CABLE
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NOTE:
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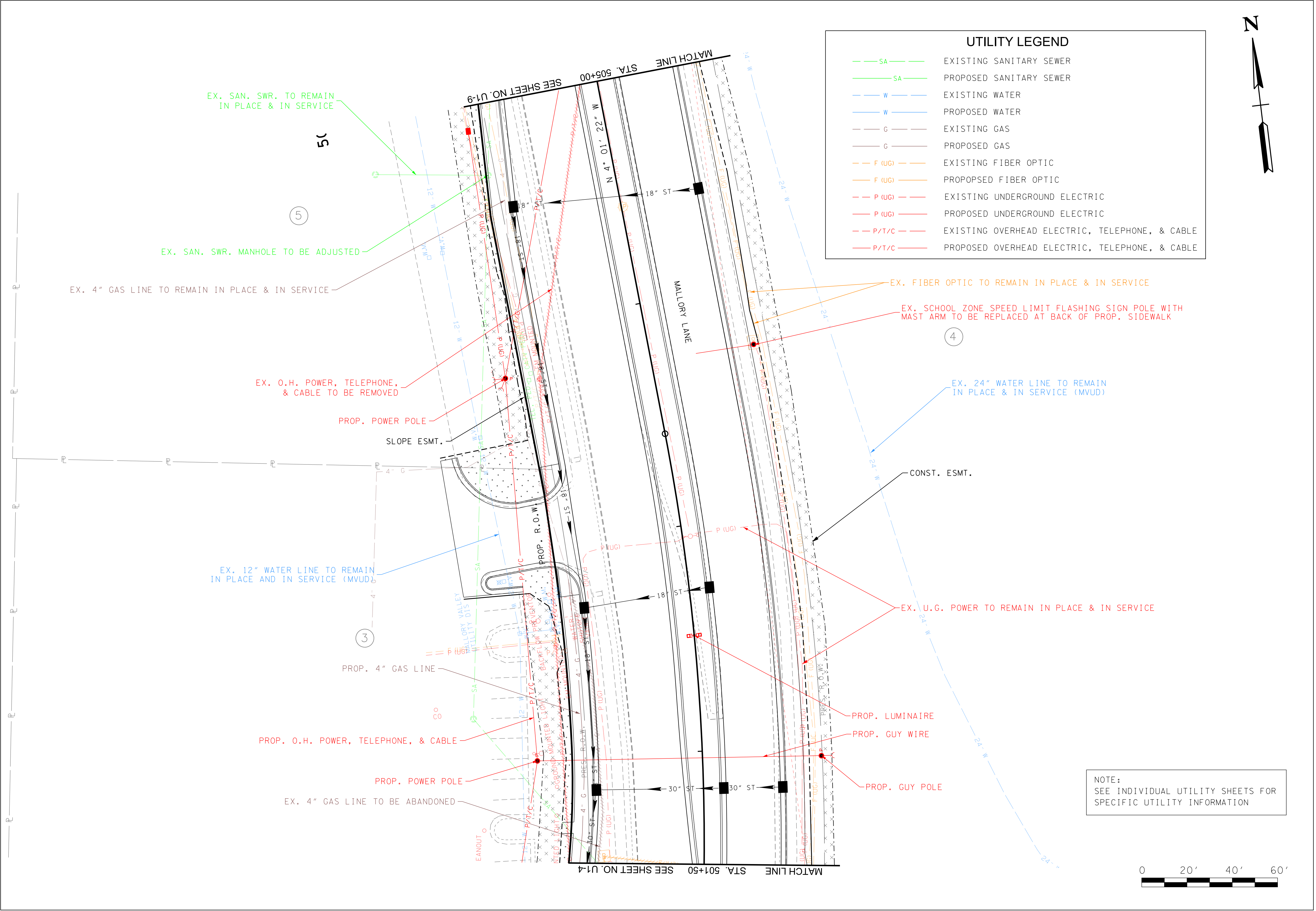
BRENTWOOD COMMONS, 750 OLD HICKORY BLVD.
SUITE 230-1, BRENTWOOD, TN 37027
PHONE: (615) 656-1845 FAX: (615) 656-1870

OVERALL UTILITY RELOCATION PLAN

MALLORY LANE / LIBERTY PIKE
FRANKLIN, TENNESSEE

DATE: _____
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DRAWN BY: _____
SUPERVISED BY: _____
CHECKED BY: _____

YEAR: 2023
SHEET NO: U1-7



REVISIONS	
NO	DESCRIPTION

OVERALL UTILITY RELOCATION PLAN

MALLORY LANE / LIBERTY PIKE
FRANKLIN, TENNESSEE

DATE: _____

DESIGNED BY: _____

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SUPERVISED BY: _____

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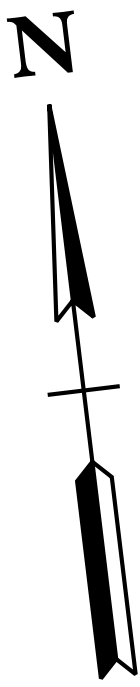
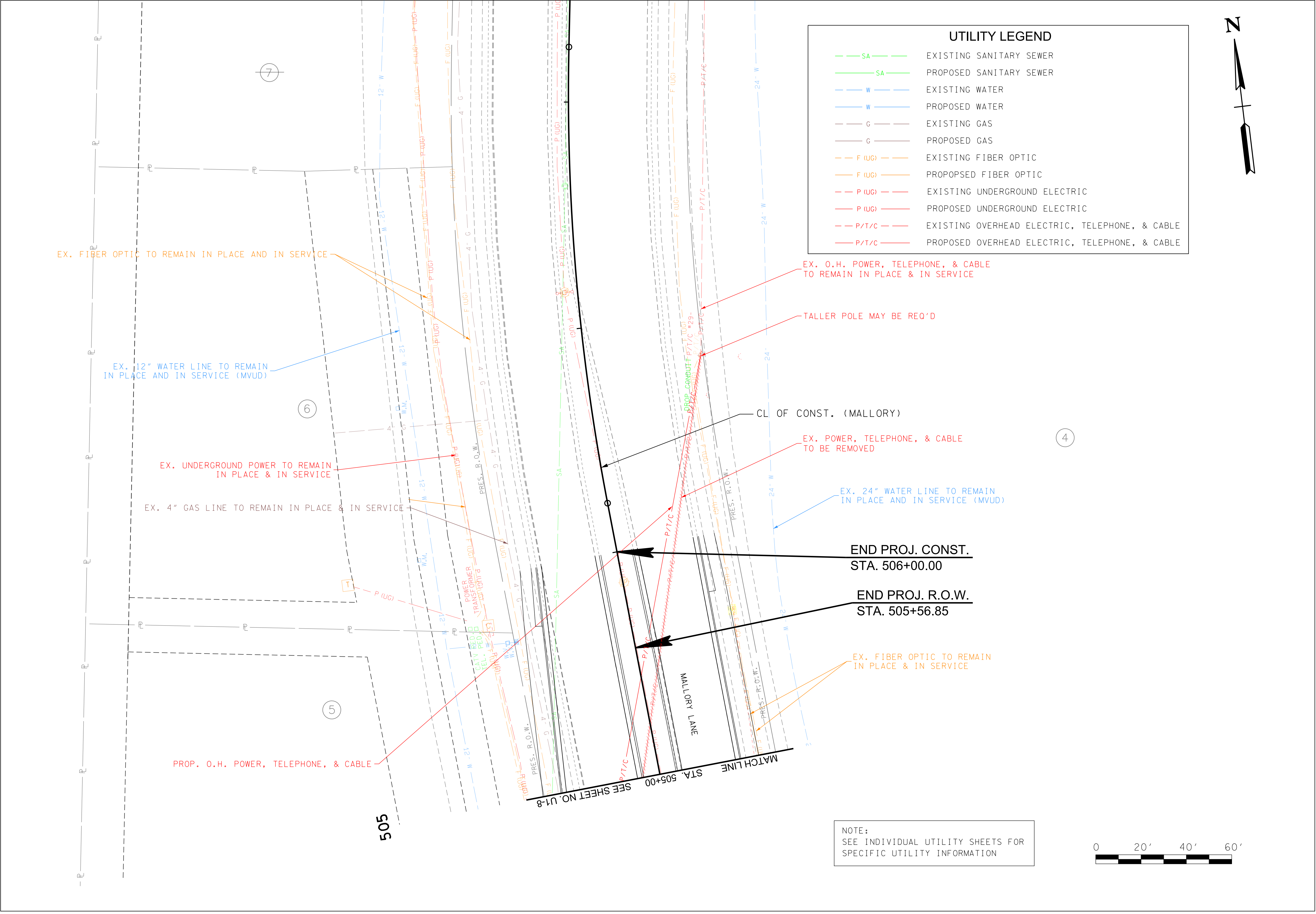
YEAR: 2023

SHEET NO:U1-8

Volkert

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NOTE:
SEE INDIVIDUAL UTILITY SHEETS FOR
SPECIFIC UTILITY INFORMATION



REVISIONS		DESCRIPTION	
NO	DATE	BY	

OVERALL UTILITY RELOCATION PLAN

MALLORY LANE / LIBERTY PIKE
FRANKLIN, TENNESSEE

Volkert
BRENTWOOD COMMONS, 750 OLD HICKORY BLVD.
SUITE 230-1, BRENTWOOD, TN 37027
PHONE: (615) 656-1845 FAX: (615) 656-1870

DATE: _____

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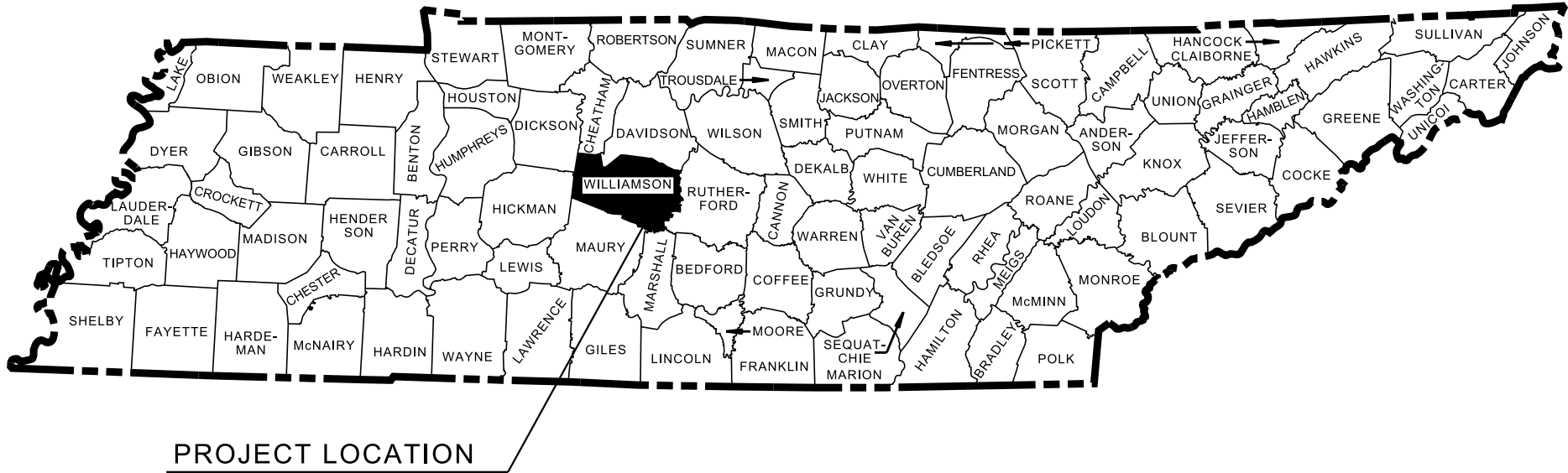
SHEET NO:U1-9

DEPARTMENT OF ENGINEERING
FRANKLIN, TENNESSEE

MALLORY LANE
AT LIBERTY PIKE

RIGHT-OF-WAY
GRADING, DRAINAGE, BASE, PAVING,
SIGNAGE, MARKING, UTILITIES, & LIGHTING

CITY OF FRANKLIN	YEAR	SHEET NO.
	2023	1
PROJECT 2017-005	MALLORY LANE AT LIBERTY PIKE	



BEGIN CONSTRUCTION
STA. 101+60.00
LIBERTY PIKE

BEGIN CONSTRUCTION
STA. 400+10.00
ROYAL OAKS BOULEVARD/
MALLORY LANE

END CONSTRUCTION
STA. 506+00.00
ROYAL OAKS BOULEVARD/
MALLORY LANE

END CONSTRUCTION
STA. 307+00.00
LIBERTY PIKE

APPROVED:
PAUL HOLZEN, P.E.
DIRECTOR OF ENGINEERING
DATE

SPECIAL NOTES

PROPOSALS MAY BE REJECTED BY THE CITY OF FRANKLIN IF ANY OF THE UNIT PRICES
CONTAINED THEREIN ARE OBVIOUSLY UNBALANCED, EITHER EXCESSIVE OR BELOW
THE REASONABLE COST ANALYSIS VALUE.

THIS PROJECT TO BE CONSTRUCTED UNDER THE STANDARD SPECIFICATIONS OF
THE TENNESSEE DEPARTMENT OF TRANSPORTATION DATED JANUARY 1, 2015 AND
ADDITIONAL SPECIFICATIONS AND SPECIAL PROVISIONS CONTAINED IN THE PLANS
AND IN THE PROPOSAL CONTRACT.

CITY OF FRANKLIN ENGINEERING DEPT. _____ PAUL HOLZEN, P.E.
DESIGNED BY _____ VOLKERT, INC. _____ DIRECTOR OF ENGINEERING
DESIGNER _____ KENNETH SHELTON, P.E. _____
CHECKED BY _____ DENNIS BOUTON, P.E. _____

PROJECT LENGTH (LIBERTY PIKE) 0.409 MILES
PROJECT LENGTH (ROYAL OAKS BLVD./MALLORY LANE) 0.268 MILES

PLANS PREPARED BY:

VOLKERT

SEALED BY

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REVISIONS		DESCRIPTION	
NO	DATE	BY	

Volkert

302 INNOVATION DRIVE, FRANKLIN, TN 37067
PHONE: (615) 656-1845 FAX: (615) 656-1870

INDEX OF SHEETS

MALLORY LANE / LIBERTY PIKE
FRANKLIN, TENNESSEE

DATE: _____

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YEAR: 2023

SHEET NO: 1A

ESTIMATED ROADWAY QUANTITIES			
ITEM NO.	DESCRIPTION	UNIT	QUANTITY
105-01	CONSTRUCTION STAKES, LINES AND GRADES	LS	1
201-01	CLEARING AND GRUBBING	LS	1
202-03	REMOVAL OF RIGID PAVEMENT, SIDEWALK, ETC.	S.Y.	3061
202-08.15	REMOVAL OF CURB AND GUTTER (DESCRIPTION)	L.F.	7196
203-01	ROAD & DRAINAGE EXCAVATION (UNCLASSIFIED)	C.Y.	13781
203-07	FURNISHING & SPREADING TOPSOIL	C.Y.	1155
209-02.06	15" TEMPORARY SLOPE DRAIN	L.F.	105
209-02.07	18" TEMPORARY SLOPE DRAIN	L.F.	16
209-08.02	TEMPORARY SILT FENCE (WITH BACKING)	L.F.	2918
209-08.03	TEMPORARY SILT FENCE (WITHOUT BACKING)	L.F.	504
209-08.07	ROCK CHECK DAMPER	EACH	3
209-08.08	ENHANCED ROCK CHECK DAM	EACH	2
209-40.33	CATCH BASIN PROTECTION (TYPE D)	EACH	1
209-40.41	CATCH BASIN FILTER ASSEMBLY(TYPE 1)	EACH	8
209-40.42	CATCH BASIN FILTER ASSEMBLY(TYPE 2)	EACH	23
209-40.43	CATCH BASIN FILTER ASSEMBLY(TYPE 3)	EACH	2
209-40.44	CATCH BASIN FILTER ASSEMBLY(TYPE 4)	EACH	26
209-40.45	CATCH BASIN FILTER ASSEMBLY(TYPE 5)	EACH	2
209-40.46	CATCH BASIN FILTER ASSEMBLY(TYPE 6)	EACH	20
303-01	MINERAL AGGREGATE, TYPE A BASE, GRADING D	TON	5675
303-10.01	MINERAL AGGREGATE (SIZE 57)	TON	30
307-02.01	ASPHALT CONCRETE MIX (PG70-22) (BPMB-HM) GRADING A	TON	2767
307-02.08	ASPHALT CONCRETE MIX (PG70-22) (BPMB-HM) GRADING B-M2	TON	2275
402-01	BITUMINOUS MATERIAL FOR PRIME COAT (PC)	TON	13
402-02	AGGREGATE FOR COVER MATERIAL (PC)	TON	49
403-02.01	TRACKLESS TACK COAT	TON	20
411-03.10	ACS MIX(PG76-22) GRADING D	TON	2230
602-01	STRUCTURAL STEEL	LB.	76614
604-01.01	CLASS A CONCRETE (ROADWAY)	C.Y.	468
604-07.01	RETAINING WALL (DESCRIPTION)	S.F.	869
604-07.02	RETAINING WALL (DESCRIPTION)	S.F.	2998
607-01.02	12" CONCRETE PIPE CULVERT (CLASS III)	L.F.	8
607-02.02	15" CONCRETE PIPE CULVERT(CLASS III)	L.F.	19
607-03.02	18" CONCRETE PIPE CULVERT (CLASS III)	L.F.	2650
607-05.02	24" CONCRETE PIPE CULVERT (CLASS III)	L.F.	852
607-06.02	30" CONCRETE PIPE CULVERT (CLASS III)	L.F.	215
607-07.02	36" CONCRETE PIPE CULVERT (CLASS III)	L.F.	120
607-08.02	42" CONCRETE PIPE CULVERT (CLASS III)	L.F.	165
607-10.02	54" CONCRETE PIPE CULVERT (CLASS III)	L.F.	8
607-11.03	60" CONCRETE PIPE CULVERT (CLASS III)	L.F.	8
611-01.02	MANHOLES, > 4' - 8' DEPTH	EACH	5
611-01.03	MANHOLES, > 8' - 12' DEPTH	EACH	1
611-05.01	TRENCH DRAINS	L.F.	32
611-05.02	12IN PVC PIPE FOR TRENCH DRAINS	L.F.	54
611-07.54	18IN ENDWALL (CROSS DRAIN) 3:1	EACH	1
611-07.56	18IN ENDWALL (CROSS DRAIN) 6:1	EACH	1
611-12.01	CATCH BASINS, TYPE 12, 0' - 4' DEPTH	EACH	20
611-12.02	CATCH BASINS, TYPE 12, > 4' - 8' DEPTH	EACH	20
611-12.03	CATCH BASINS, TYPE 12, > 8' - 12' DEPTH	EACH	3
611-12.04	CATCH BASINS, TYPE 12, > 12' - 16' DEPTH	EACH	1
611-12.08	CATCH BASINS, TYPE 12, >(' - ' DEPTH)	EACH	2

FOOTNOTES:

- ① INCLUDES 90 C.Y. FOR DITCHES AND FLUMES.
- ② INCLUDES 4" OF MINERAL AGGREGATE BASE, TYPE A, GRADING D.
- ③ INCLUDES 55' OF WOODEN FENCE AND 2100' OF 3-PANEL VINYL FENCE
- ④ INCLUDES 55' OF WOODEN FENCE AND 1125' OF 3-PANEL VINYL FENCE
- ⑤ ROLLED SOD ONLY

ESTIMATED ROADWAY QUANTITIES			
ITEM NO.	DESCRIPTION	UNIT	QUANTITY
611-14.02	CATCH BASINS, TYPE 14, > 4' - 8' DEPTH	EACH	1
611-14.03	CATCH BASINS, TYPE 14, > 8' - 12' DEPTH	EACH	1
611-25.02	CATCH BASINS, TYPE 25, > 4' - 8' DEPTH	EACH	1
611-38.01	CATCH BASINS, TYPE 38, 0' - 4' DEPTH	EACH	1
611-38.02	CATCH BASINS, TYPE 38, > 4' - 8' DEPTH	EACH	2
611-42.02	CATCH BASINS, TYPE 42, > 4' - 8' DEPTH	EACH	2
611-90.01	CATCH BASINS, NYLOPLAST (OR SIMILAR APPROVED)	EACH	1
621-03.09	60" TEMPORARY DRAINAGE PIPE	L.F.	300
701-01.03	CONCRETE SIDEWALK - 4 " (CLASS A CONC. WITH SYNTHETIC FIBER REINF.)	S.F.	44318
701-01.09	ORNAMENTAL CONCRETE (TRUCK APRON AT ROUNDABOUT)	S.F.	5968
702-01	CONCRETE CURB	C.Y.	188
702-03	CONCRETE COMBINED CURB & GUTTER	C.Y.	542
707-06.01	REMOVAL OF FENCE (WOODEN & VINYL FENCE)	L.F.	2155
707-08.01	FENCE (WOODEN FENCE & 3 PANEL VINYL FENCE)	L.F.	1180
707-08.11	HIGH-VISIBILITY CONSTRUCTION FENCE	L.F.	192
709-05.05	MACHINED RIP-RAP (CLASS A-3)	TON	195
709-05.06	MACHINED RIP-RAP (CLASS A-1)	TON	202
709-05.08	MACHINED RIP-RAP (CLASS B)	TON	12
712-01	TRAFFIC CONTROL	LS	1
712-04.01	FLEXIBLE DRUMS (CHANNELIZING)	EACH	350
712-06	SIGNS (CONSTRUCTION)	S.F.	500
712-07.03	TEMPORARY BARRICADES (TYPE III)	L.F.	192
713-11.02	PERFORATED/KNOCKOUT SQUARE TUBE POST	LB.	884
713-13.03	FLAT SHEET ALUMINUM SIGNS (0.100" THICK)	S.F.	294
713-16.01	CHANGEABLE MESSAGE SIGN UNIT	EACH	4
716-02.04	PLASTIC PAVEMENT MARKING(CHANNELIZATION STRIPING)	S.Y.	30
716-02.06	PLASTIC PAVEMENT MARKING (TURN LANE ARROW)	EACH	1
716-02.09	PLASTIC PAVEMENT MARKING (LONGITUDINAL CROSS-WALK)	L.F.	240
716-03.05	PLASTIC WORD PAVEMENT MARKING (BIKE LANE)	EACH	2
716-03.09	PLASTIC WORD PAVEMENT MARKING (YIELD AHEAD)	EACH	4
716-04.01	PLASTIC PAVEMENT MARKING (STRAIGHT-TURN ARROW)	EACH	19
716-04.05	PLASTIC PAVEMENT MARKING (STRAIGHT ARROW)	EACH	6
716-04.12	PLASTIC PAVEMENT MARKING (YIELD LINE)	S.F.	171
716-04.24	PLASTIC PAVEMENT MARKING (FISH-HOOKS WITH 2 ARROWS)	EACH	13
716-12.02	ENHANCED FLATLINE THERMO PVMT MRKNG (6IN LINE)	L.M.	3.4
716-12.05	ENHANCED FLATLINE THERMO PVMT MRKNG (6IN DOTTED LINE)	L.F.	733
730-01.10	OVERHEAD UTILITY RELOCATION	LS	1
730-40	TEMPORARY TRAFFIC SIGNAL SYSTEM	EACH	1
730-40.02	TEMPORARY TRAFFIC SIGNAL SYSTEM	LS	1
740-10.03	GEOTEXTILE (TYPE III)(EROSION CONTROL)	S.Y.	680
740-11.04	TEMPORARY SEDIMENT TUBE 20IN	L.F.	5876
791-03.04	4IN HDPE GAS MAIN	L.F.	2055
795-01.13	16IN DIP RESTRAINED JOINT WATER LINE	L.F.	802
798-06.13	FIBER OPTIC CABLE (DESCRIPTION)	L.F.	395
801-01	SEEDING (WITH MULCH)	UNIT	102
801-03	WATER (SEEDING & SODDING)	M.G.	101
801-07	SEED (SUPPLEMENTAL APPLICATION)	LB.	176
801-08	FERTILIZER (SUPPLEMENTAL APPLICATION)	TON	2
803-01	SODDING (NEW SOD)	S.Y.	10409
805-01.65	TEMPORARY MULCH	UNIT	4
	DECIDUOUS TREE (2.5" CAL.)	EACH	36
	ORNAMENTAL GRASSES, 1 GALLON	EACH	228
	PLANT BED SOIL	CY	200
	MAST ARM LUMINAIRES (SINGLE)	EACH	18
	MAST ARM LUMINAIRES (BACK TO BACK)	EACH	7
	12" NYLOPLAST N-12 PIPE (OR SIMILAR APPROVED)	L.F.	31

REVISONS		DESCRIPTION	
NO	DATE	BY	

Volkert

BRENTWOOD COMMONS, 750 OLD HICKORY BLVD.
SUITE 230-1, BRENTWOOD, TN 37027
PHONE: (615) 656-1845 FAX: (615) 656-1870

ESTIMATED ROADWAY QUANTITIES

MALLORY LANE / LIBERTY PIKE
FRANKLIN, TENNESSEE

DATE: _____

DESIGNED BY: _____

DRAWN BY: _____

SUPERVISED BY: _____

CHECKED BY: _____

YEAR: 2023

SHEET NO: 2

CATCH BASINS AND MANHOLES																							
SHEET NO.	LOCATION	STATION	OFFSET (FT.)	DRAINAGE CODE	GRATE/TOP ELEV.	STRUCTURE TYPE	INSIDE DIMENSION	DEPTH (FT.)	STANDARD DRAWINGS	TYPE 3 M.H. 611-01.02 4' - 8'	TYPE 3 M.H. 611-01.03 8'-12'	TYPE 12 C.B. 611-12.01 0' - 4'	TYPE 12 C.B. 611-12.02 4' - 8'	TYPE 12 C.B. 611-12.03 8' - 12'	TYPE 12 C.B. 611-12.04 12' - 16'	TYPE 12 C.B. 611-12.08 > 28'	TYPE 14 C.B. 611-14.02 4' - 8'	TYPE 14 C.B. 611-14.03 8' - 12'	TYPE 25 C.B. 611-25.02 4' - 8'	TYPE 38 C.B. 611-38.01 0' - 4'	TYPE 38 C.B. 611-38.02 4' - 8'	TYPE 42 C.B. 611-42.02 4' - 8'	REMARKS
7B	LIBEREV	301+23.09	60.93	CB-36	739.57	#38	4X4	4.47	D-CB-38SB												1		
7B	LIBEREV	301+28.79	35	CB-21	745.75	#12	4' DIA	9.24	D-CB-12RA					1									
7B	LIBEREV	301+31.94	-32	CB-50	745.36	#12	4' DIA	3.9	D-CB-12RA			1											
7B	LIBEREV	302+34.93	-32	CB-22	749.79	#12	4X3	4.04	D-CB-12S				1										
8B	LIBEREV	304+51.74	-36	CB-17	757.07	#12	4X3	7.92	D-CB-12S				1										
8B	LIBEREV	304+51.74	36	CB-18	757.07	#12	4X3	9.16	D-CB-12S					1									
8B	LIBEREV	306+42.04	-30	CB-34	759.76	#12	4X3	6.51	D-CB-12S				1										
5B	LIBMREV	200+92.57	-35	CB-62	725.98	#12	4' DIA	4.32	D-CB-12RA				1										
5B	LIBMREV	201+00.00	0	CB-63	726.87	MH	5' DIA	5.53	D-MH-2	1													
5B	LIBMREV	201+00.00	32	CB-64	726.08	#12	4' DIA	5.49	D-CB-12RA				1										
6B	LIBMREV	202+30.00	-32	CB-68	726.73	#12	4' DIA	3.89	D-CB-12RA														
6B	LIBMREV	202+30.00	32	CB-69	726.73	#12	4' DIA	3.89	D-CB-12RA					1									
6B	LIBMREV	203+40.37	32	CB-58	727.82	#12	4X3	4.17	D-CB-12S				1										
6B	LIBMREV	203+40.37	-32	CB-59	727.82	#12	4X3	3.9	D-CB-12S			1											
6B	LIBMREV	203+40.37	0	CB-60	728.6	MH	5' DIA	4.82	D-MH-2	1													
6B	LIBMREV	204+76.00	32	CB-66	730.68	#12	4X3	3.9	D-CB-12S					1									
6B	LIBMREV	206+00.00	-32	CB-55	735.97	#12	4X3	3.9	D-CB-12S					1									
6B	LIBMREV	206+00.00	-4	CB-56	735.64	#25	4X3	4.31	D-CB-12S										1				
6B	LIBMREV	206+00.00	32	CB-57	734.77	#12	4X3	4.27	D-CB-12S				1										
4B	LIBWREV	102+31.40	-25.3	CB-82	719.62	#12	4' DIA	3.89	D-CB-12RA					1									
4B	LIBWREV	102+31.40	25.3	CB-83	719.62	#12	4' DIA	3.77	D-CB-12RA					1									
4B	LIBWREV	102+32.73	0	CB-84	720.3	MH	5' DIA	4.89	D-MH-2	1													
4B	LIBWREV	104+81.93	-3.92	CB-79	723.59	MH	5' DIA	5.07	D-MH-2	1													
4B	LIBWREV	104+85.00	-32	CB-80	722.91	#12	4' DIA	3.89	D-CB-12RA				1										
4B	LIBWREV	104+85.00	32	CB-81	722.91	#12	4' DIA	3.92	D-CB-12RA					1									
5B	LIBWREV	105+80.00	-32	CB-85	723.52	#12	4' DIA	3.89	D-CB-12RA					1									
5B	LIBWREV	105+80.00	32	CB-86	723.52	#12	4' DIA	3.89	D-CB-12RA					1									
5B	LIBWREV	107+21.00	32	CB-75	724.23	#12	4' DIA	6.23	D-CB-12RA					1									
5B	LIBWREV	107+21.00	-32	CB-77	724.23	#12	4' DIA	3.93	D-CB-12RA					1									
5B	LIBWREV	107+21.00	0	CB-78	725.02	MH	5' DIA	5.02	D-MH-2	1													
7B	MALLORY	500+93.81	-58.3	CB-43	740.1	#12	5' DIA	5.02	D-CB-12RB					1									
7B	MALLORY	500+97.00	12.68	CB-47	742.62	#12	4X3	3.9	D-CB-12S					1									
11B	MALLORY	501+83.31	36	CB-41	745.38	#12	4X4	8.23	D-CB-12SB						1								
11B	MALLORY	501+83.48	8	CB-54	744.54	#12	4X4	7.68	D-CB-12SB					1									
11B	MALLORY	501+84.05	-48.3	CB-42	742.59	#12	4X4	6.16	D-CB-12SB					1									
11B	MALLORY	502+69.00	-48	CB-25	745.19	#12	4X3	3.9	D-CB-12S					1									
11B	MALLORY	502+71.62	8	CB-26	746.19	#12	4X3	3.9	D-CB-12S					1									
11B	MALLORY	504+45.00	36	CB-24	751.64	#12	4X3	3.9	D-CB-12S					1									
11B	MALLORY	504+52.89	-48.3	CB-23	751.63	#12	4X3	4.86	D-CB-12S					1									
5B	LIBMREV	201+00.00	61	CB-88	724.91	#42	4X4	N/A	D-CB-42SB													1	
5B	RND1	10+43.81	13.11	CB-73	725.33	#12	4' DIA	3.89	D-CB-12RA					1									
5B	RND1	11+33.17	1.82	CB-71	726.08	#12	4' DIA	n/a	D-CB-12RA							1							
5B	RND1	13+93.22	8.18	CB-72	726.14	#12	4' DIA	4.48	D-CB-12RA					1									
7B	RND2	20+50.82	8.2	CB-45	739.26	#12	5' DIA	7.43	D-CB-12RB					1									
7B	RND2	24+53.85	23.41	CB-44	739.2	#12	5' DIA	5.35	D-CB-12RB					1									
7B	RND2	24+81.54	0.51	CB-46	738.69	#42	4X4	5.45	D-CB-42SB													1	
9B	ROYALREV	402+00.00	30	CB-1	744.58	#12	4X3	4.62	D-CB-12S					1									
9B	ROYALREV	402+00.00	45.41	CB-2	744.55	#38	4X4	4.36	D-CB-38SB												1		
9B	ROYALREV	402+00.00	-30	CB-3	744.58	#12	4X3	5.52	D-CB-12S					1									
9B	ROYALREV	402+00.00	-44.81	CB-27	743.11	#38	4X4	3.82	D-CB-38SB										1				
9B	ROYALREV	403+16.01	32	CB-4	742.85	#12	4X3	4.44	D-CB-12S					1									
9B	ROYALREV	403+18.50	-32	CB-5	742.82	#12	4X3	4.5	D-CB-12S					1									
10B	ROYALREV	404+69.00	-32	CB-7	741.2	#12	4X3	3.9	D-CB-12S					1									
10B	ROYALREV	404+70.00	32	CB-6	741.19	#12	4X3	4.44	D-CB-12S					1									
10B	ROYALREV	406+80.50	32	CB-8	739.12	#14	8' DIA	7.73	D-CB-14RB								1						
10B	ROYALREV	406+80.50	-32	CB-11	739.12	#14	8' DIA	8.33	D-CB-14RB								1						
10B	ROYALREV	407+48.23	46.54	CB-10	740.83	#12	4' DIA	n/a	D-CB-12RA							1							
7B	ROYALREV	407+99.08	-45.88	CB-53	740.47	MH	7' DIA	15.63	D-MH-2		1												REPLACE
7B	ROYALREV	407+51.61	-32	CB-12	739.86	#12	5' DIA	14.54	D-CB-12RB						1								
5B	STANWICK	600+90.13	30.38	CB-70	726.08	#12	4' DIA	3.89	D-CB-12RA					1									
TOTALS										5		20	20	3	1	2	1	1	1	1	2	2	

REVISECTIONSDESCRIPTIONNO. DATE BY

TABULATED QUANTITIES

MALLORY LANE / LIBERTY PIKE
FRANKLIN, TENNESSEE

DATE: _____
DESIGNED BY: _____
DRAWN BY: _____
SUPERVISED BY: _____
CHECKED BY: _____

YEAR: 2023

SHEET NO: 2A

Volkert

BRENTWOOD COMMONS, 750 OLD HICKORY BLVD.
SUITE 230-1, BRENTWOOD, TN 37027
PHONE: (615) 656-1845 FAX: (615) 656-1870

STORM DRAINAGE PIPES												
SHEET NO.	FROM		TO		% GRADE	RCP CLASS III						Remarks
	CODE	OUTLET ELEV.	CODE	INLET ELEV.		607-02.02	607-03.02	607-05.02	607-06.02	607-07.02	607-08.02	
						15" (L.F.)	18" (L.F.)	24" (L.F.)	30" (L.F.)	36" (L.F.)	42" (L.F.)	
9B	CB-2	740.19	CB-1	740.13	0.50			13				
9B	CB-27	739.29	CB-3	739.23	0.50		12					
9B	CB-1	739.96	CB-4	738.58	1.23			112				
9B	CB-3	739.06	CB-5	738.49	0.50		115					
9B	CB-4	738.41	CB-6	736.92	0.99			150				
9B	CB-5	738.32	CB-7	737.47	0.58		147					
10B	CB-6	736.75	CB-8	734.38	1.14			209				
10B	CB-7	737.30	CB-11	734.88	1.21		201					
10B	CB-8	731.39	CB-11	731.12	0.50					55		
10B	CB-29	732.01	CB-8	731.89	0.50					24		
10B	CB-11	730.79	CB-12	730.47	0.50						64	
7B	CB-12	725.32	CB-33	724.94	0.83						46	
8B	CB-31	753.85	CB-34	753.42	0.50			0				87' EXIST TO REMAIN
8B	CB-34	753.25	CB-17	752.32	0.50			185				
8B	CB-17	749.15	CB-18	748.01	1.70			67				
8B	CB-18	747.91	CB-35	747.76	0.50							30' EXIST TO REMAIN. ADJUST INVERTS IF NEEDED
7B	CB-36	735.09	CB-37	735.05	0.50		9					
7B	CB-22	745.75	CB-38	745.05	2.32							30' EXIST TO REMAIN
7B	CB-21	736.51	CB-39	735.05	10.00		15					
11B	CB-24	747.74	CB-23	746.95	1.00		80					
11B	CB-23	746.78	CB-25	741.46	3.02		176					
11B	CB-25	741.29	CB-42	738.77	3.29		77					
11B	CB-42	736.43	CB-43	735.29	1.36				84			
7B	CB-43	735.08	CB-44	734.35	1.31				55			
7B	CB-49	743.68	CB-44	735.35	18.00		0					46' EXIST TO REMAIN
7B	CB-44	733.85	CB-46	733.41	1.30					34		
7B	CB-46	733.24	CB-45	732.96	0.50					57		
7B	CB-45	731.83	CB-53	731.29	10.00					5		
11B	CB-26	742.29	CB-25	741.46	1.56		53					
11B	CB-40	740.20	CB-41	738.15	10.00		20					
11B	CB-41	737.15	CB-54	737.03	0.50				23			
11B	CB-54	736.86	CB-42	736.60	0.50				52			
7B	CB-47	738.72	CB-43	736.29	3.61		67					
7B	CB-50	741.46	CB-51	740.99	2.42	19						
6B	CB-55	732.07	CB-56	731.50	2.47		23					
6B	CB-56	731.33	CB-57	730.67	2.00		33					
6B	CB-57	730.50	CB-66	726.95	2.88		123					
6B	CB-66	726.78	CB-58	724.09	2.02		133					
6B	CB-59	723.92	CB-60	723.78	0.50		27					
6B	CB-60	723.78	CB-58	723.65	0.50		27					
6B	CB-58	723.65	CB-61	723.20	0.70		64					
5B	CB-67	723.34	CB-62	722.21	6.21		0					18' EXIST TO REMAIN
5B	CB-62	721.66	CB-63	721.51	0.50			31				
5B	CB-63	721.34	CB-64	721.20	0.50			27				
5B	CB-64	720.59	CB-65	720.48	0.50			21				
6B	CB-68	722.84	CB-62	722.16	0.50		136					
6B	CB-69	722.84	CB-64	722.22	0.50		124					
5B	CB-70	722.19	CB-72	721.83	0.50		71					
5B	CB-77	720.30	CB-78	720.17	0.50		27					
5B	CB-78	720.00	CB-75	719.86	0.50		27					
5B	CB-75	718.00	CB-76	716.62	3.65			38				
5B	CB-72	721.66	CB-77	720.47	0.98		122					
5B	CB-73	721.44	CB-75	720.47	1.16		84					
4B	CB-80	719.02	CB-79	718.52	2.15		23					
4B	CB-81	718.99	CB-79	718.52	1.51		31					
5B	CB-85	719.63	CB-80	719.19	0.52		86					
5B	CB-86	719.63	CB-81	719.16	0.50		95					
4B	CB-79	718.52	CB-84	715.75	1.13		244					
4B	CB-84	715.41	CB-87	712.06	1.78			0				188' EXIST TO REMAIN
4B	CB-82	715.73	CB-84	715.45	1.40		20					
4B	CB-83	715.85	CB-84	715.45	1.99		20					
TOTALS						19	2512	852	215	120	165	

[illegible]

VOLKERT

BRENTWOOD COMMONS, 750 OLD HICKORY BLVD.
SUITE 230-1, BRENTWOOD, TN 37027
PHONE: (615) 656-1845 FAX: (615) 656-1870

TABULATED QUANTITIES

MALLORY LANE / LIBERTY PIKE
FRANKLIN, TENNESSEE

DATE: _____	
DESIGNED BY: _____	
DRAWN BY: _____	
SUPERVISED BY: _____	
CHECKED BY: _____	
YEAR:	2023
SHEET NO: 2A1	



LIBERTY PIKE WEST OF ROUNDABOUT 1
LIBERTY PIKE STA. 101+60.00 TO STA. 104+85.79

PAVEMENT SCHEDULE	
1 BITUMINOUS SURFACE COURSE @ 1.5" THICK (APPROX. 159 LB./S.Y.) ITEM NO. 411-03.10 ACS MIX (PG 76-22) GRADING D RDWY	5 BITUMINOUS AGGREGATE BASE @ 4.0" THICK (APPROX. 360 LB./S.Y.) ITEM NO. 307-01.21 ASPHALT CONCRETE MIX (PG 70-22) (BPMB-HM) GRADING A-S
2 TRACKLESS TACK COAT @ 0.05 GAL./S.Y. ITEM NO. 403-02.01 ASPHALT CEMENT FOR TACK COAT (TC)	6 PRIME COAT ITEM NO. 402-01 BITUMINOUS MATERIAL FOR PRIME COAT (PC) @ 0.30-0.35 GAL./S.Y. ITEM NO. 402-02 AGGREGATE FOR COVER MATERIAL (PC) @ 8-12 LB./S.Y.
3 ASPHALT BINDER @ 2.0" THICK (APPROX. 226 LB./S.Y.) ITEM NO. 307-02.08 ASPHALT CONCRETE MIX (PG 70-22) (BPMB-HM) GRADING B-M2	7 MINERAL AGGREGATE BASE @ 10.0" THICK ITEM NO. 303-01 MINERAL AGGREGATE, TYPE A BASE, GRADING D
4 BITUMINOUS AGGREGATE BASE @ 4.0" THICK (APPROX. 460 LB./S.Y.) ITEM NO. 307-02.01 ASPHALT CONCRETE MIX (PG 70-22) (BPMB-HM) GRADING A	8 AGGREGATE UNDERDRAIN WITH PIPE ITEM NO. 710-02 DETAIL "A" STD. DWG. RD-UD-3

[illegible]

VOLKERT

302 INNOVATION DRIVE, FRANKLIN, TN 37067
PHONE: (615) 656-1845 FAX: (615) 656-1870

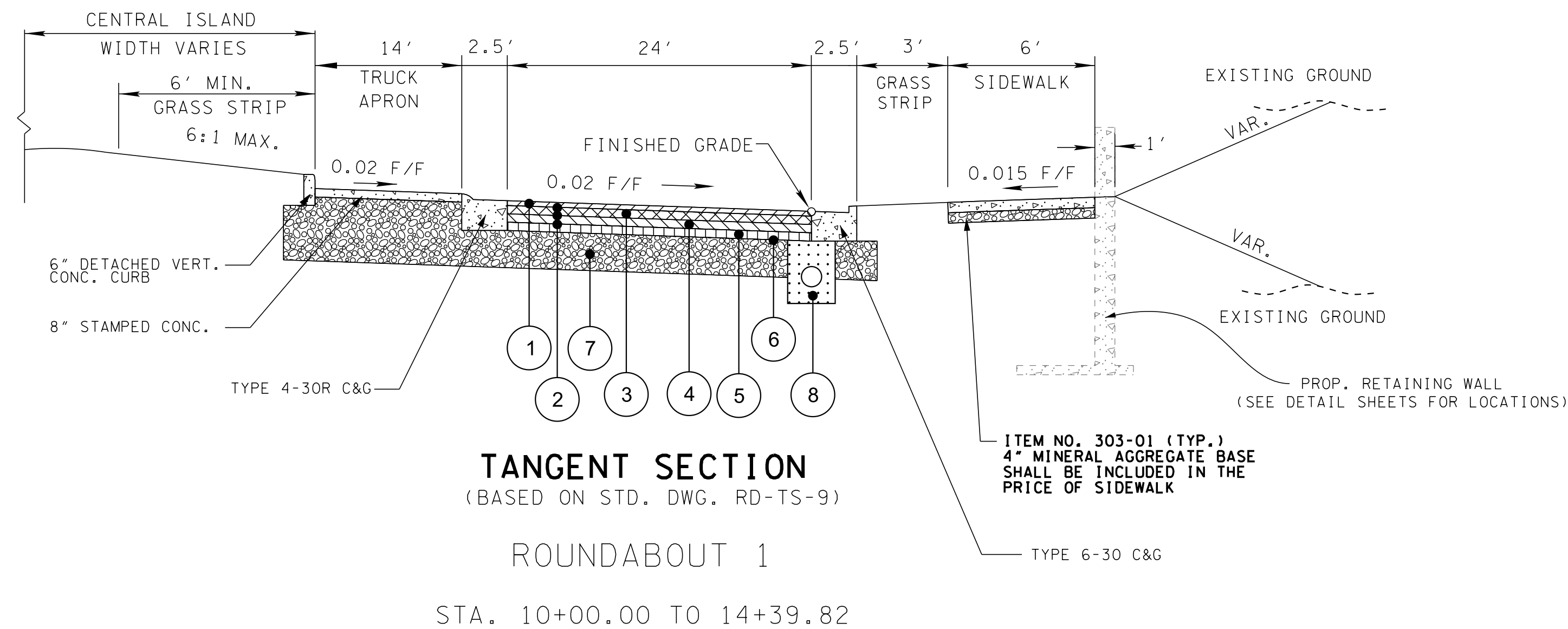
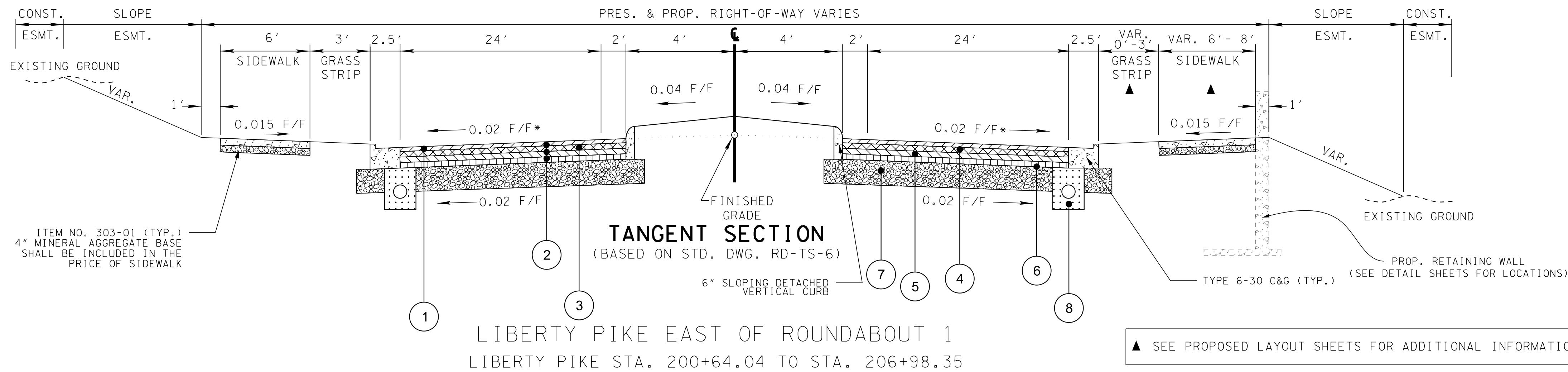
TYPICAL SECTIONS

MALLORY LANE / LIBERTY PIKE
FRANKLIN, TENNESSEE

DATE: _____
DESIGNED BY: _____
DRAWN BY: _____
SUPERVISED BY: _____
CHECKED BY: _____

YEAR: 2023

SHEET NO: 2B



PAVEMENT SCHEDULE	
1 BITUMINOUS SURFACE COURSE @ 1.5" THICK (APPROX. 159 LB./S.Y.) ITEM NO. 411-03.10 ACS MIX (PG 76-22) GRADING D RDWY	5 BITUMINOUS AGGREGATE BASE @ 4.0" THICK (APPROX. 360 LB./S.Y.) ITEM NO. 307-01.21 ASPHALT CONCRETE MIX (PG 70-22) (BPMB-HM) GRADING A-S
2 TRACKLESS TACK COAT @ 0.05 GAL./S.Y. ITEM NO. 403-02.01 ASPHALT CEMENT FOR TACK COAT (TC)	6 PRIME COAT ITEM NO. 402-01 BITUMINOUS MATERIAL FOR PRIME COAT (PC) @ 0.30-0.35 GAL./S.Y. ITEM NO. 402-02 AGGREGATE FOR COVER MATERIAL (PC) @ 8-12 LB./S.Y.
3 ASPHALT BINDER @ 2.0" THICK (APPROX. 226 LB./S.Y.) ITEM NO. 307-02.08 ASPHALT CONCRETE MIX (PG 70-22) (BPMB-HM) GRADING B-M2	7 MINERAL AGGREGATE BASE @ 10.0" THICK ITEM NO. 303-01 MINERAL AGGREGATE, TYPE A BASE, GRADING D
4 BITUMINOUS AGGREGATE BASE @ 4.0" THICK (APPROX. 460 LB./S.Y.) ITEM NO. 307-02.01 ASPHALT CONCRETE MIX (PG 70-22) (BPMB-HM) GRADING A	8 AGGREGATE UNDERDRAIN WITH PIPE ITEM NO. 710-02 DETAIL "A" STD. DWG. RD-UD-3

REVISECTIONS
NO. DATE BY DESCRIPTION

TYPICAL SECTIONS

MALLORY LANE / LIBERTY PIKE
FRANKLIN, TENNESSEE

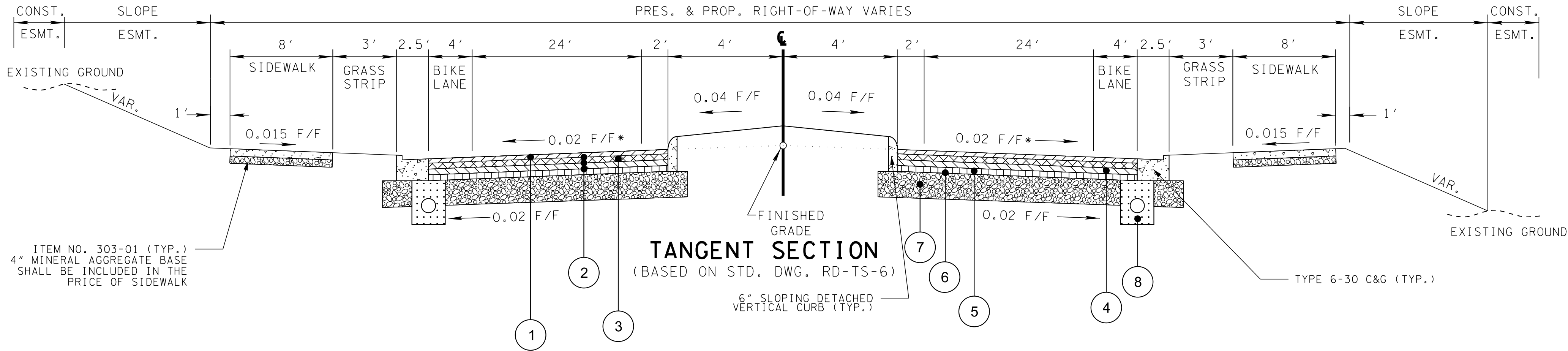
DATE: _____
DESIGNED BY: _____
DRAWN BY: _____
SUPERVISED BY: _____
CHECKED BY: _____

YEAR: 2023

SHEET NO: 2B1

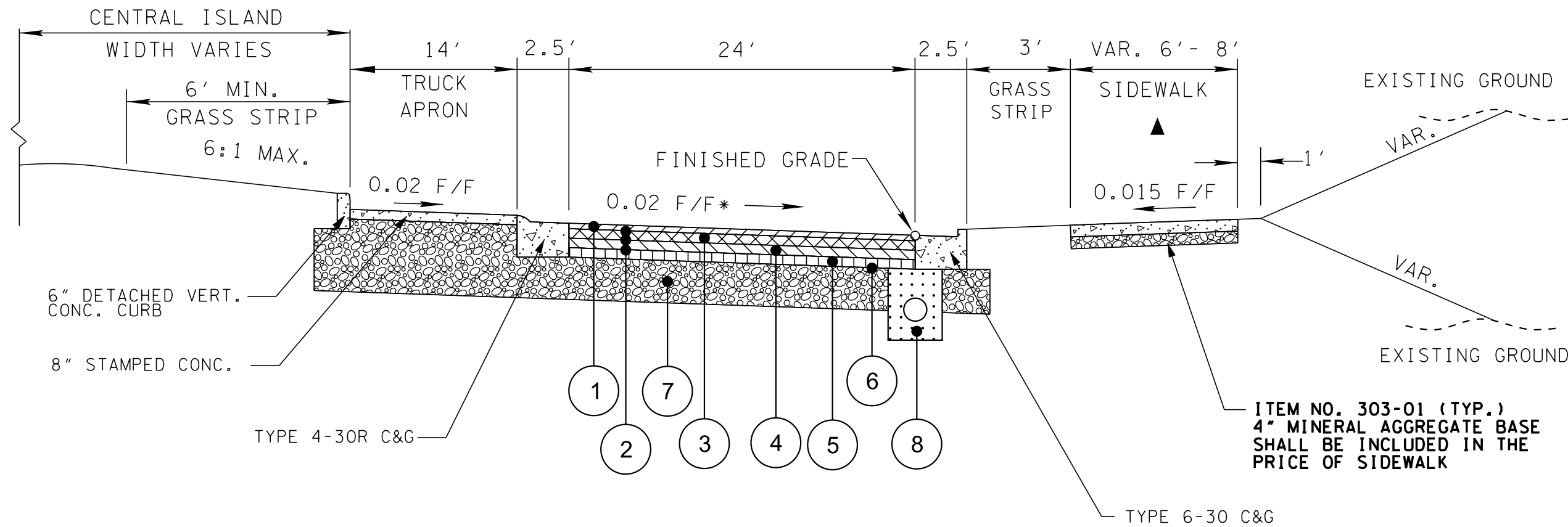
Volkert

302 INNOVATION DRIVE, FRANKLIN, TN 37067
PHONE: (615) 656-1845 FAX: (615) 656-1870



LIBERTY PIKE EAST OF ROUNDABOUT 2
LIBERTY PIKE STA. 300+77.89 TO STA. 305+37.44

* SLOPE MAY VARY. SEE DETAIL SHEETS AND PROFILES FOR ADDITIONAL INFORMATION REGARDING CROSS SLOPES.



TANGENT SECTION
(BASED ON STD. DWG. RD-TS-9)

ROUNDABOUT 2

STA. 20+00.00 TO 24+90.09

▲ SEE PROPOSED LAYOUT SHEETS FOR ADDITIONAL INFORMATION

PAVEMENT SCHEDULE	
1 BITUMINOUS SURFACE COURSE @ 1.5" THICK (APPROX. 159 LB./S.Y.) ITEM NO. 411-03.10 ACS MIX (PG 76-22) GRADING D RDWY	5 BITUMINOUS AGGREGATE BASE @ 4.0" THICK (APPROX. 360 LB./S.Y.) ITEM NO. 307-01.21 ASPHALT CONCRETE MIX (PG 70-22) (BPMB-HM) GRADING A-S
2 TRACKLESS TACK COAT @ 0.05 GAL./S.Y. ITEM NO. 403-02.01 ASPHALT CEMENT FOR TACK COAT (TC)	6 PRIME COAT ITEM NO. 402-01 BITUMINOUS MATERIAL FOR PRIME COAT (PC) @ 0.30-0.35 GAL./S.Y. ITEM NO. 402-02 AGGREGATE FOR COVER MATERIAL (PC) @ 8-12 LB./S.Y.
3 ASPHALT BINDER @ 2.0" THICK (APPROX. 226 LB./S.Y.) ITEM NO. 307-02.08 ASPHALT CONCRETE MIX (PG 70-22) (BPMB-HM) GRADING B-M2	7 MINERAL AGGREGATE BASE @ 10.0" THICK ITEM NO. 303-01 MINERAL AGGREGATE, TYPE A BASE, GRADING D
4 BITUMINOUS AGGREGATE BASE @ 4.0" THICK (APPROX. 460 LB./S.Y.) ITEM NO. 307-02.01 ASPHALT CONCRETE MIX (PG 70-22) (BPMB-HM) GRADING A	8 AGGREGATE UNDERDRAIN WITH PIPE ITEM NO. 710-02 DETAIL "A" STD. DWG. RD-UD-3

REVISIONS	
NO.	DESCRIPTION

Volkert

302 INNOVATION DRIVE, FRANKLIN, TN 37067
PHONE: (615) 656-1845 FAX: (615) 656-1870

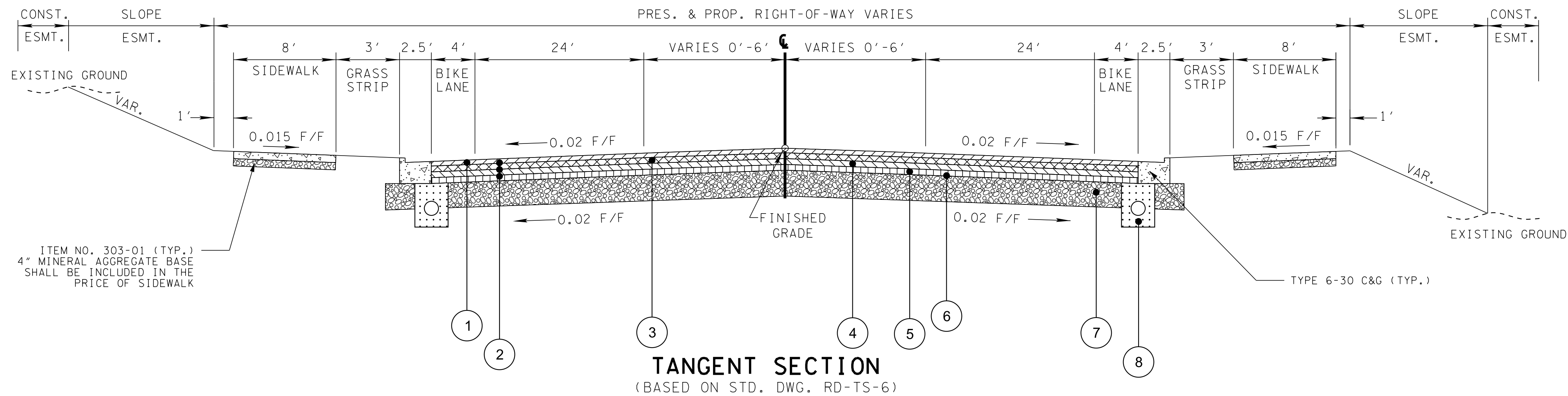
TYPICAL SECTIONS

MALLORY LANE / LIBERTY PIKE
FRANKLIN, TENNESSEE

DATE: _____
DESIGNED BY: _____
DRAWN BY: _____
SUPERVISED BY: _____
CHECKED BY: _____

YEAR: 2023

SHEET NO: 2B2



TANGENT SECTION

(BASED ON STD. DWG. RD-TS-6)

LIBERTY PIKE EAST OF ROUNDABOUT 2

LIBERTY PIKE STA. 305+37.44 TO STA. 307+00.00

PAVEMENT SCHEDULE	
1 BITUMINOUS SURFACE COURSE @ 1.5" THICK (APPROX. 159 LB./S.Y.) ITEM NO. 411-03.10 ACS MIX (PG 76-22) GRADING D RDWY	5 BITUMINOUS AGGREGATE BASE @ 4.0" THICK (APPROX. 360 LB./S.Y.) ITEM NO. 307-01.21 ASPHALT CONCRETE MIX (PG 70-22) (BPMB-HM) GRADING A-S
2 TRACKLESS TACK COAT @ 0.05 GAL./S.Y. ITEM NO. 403-02.01 ASPHALT CEMENT FOR TACK COAT (TC)	6 PRIME COAT ITEM NO. 402-01 BITUMINOUS MATERIAL FOR PRIME COAT (PC) @ 0.30-0.35 GAL./S.Y. ITEM NO. 402-02 AGGREGATE FOR COVER MATERIAL (PC) @ 8-12 LB./S.Y.
3 ASPHALT BINDER @ 2.0" THICK (APPROX. 226 LB./S.Y.) ITEM NO. 307-02.08 ASPHALT CONCRETE MIX (PG 70-22) (BPMB-HM) GRADING B-M2	7 MINERAL AGGREGATE BASE @ 10.0" THICK ITEM NO. 303-01 MINERAL AGGREGATE, TYPE A BASE, GRADING D
4 BITUMINOUS AGGREGATE BASE @ 4.0" THICK (APPROX. 460 LB./S.Y.) ITEM NO. 307-02.01 ASPHALT CONCRETE MIX (PG 70-22) (BPMB-HM) GRADING A	8 AGGREGATE UNDERDRAIN WITH PIPE ITEM NO. 710-02 DETAIL "A" STD. DWG. RD-UD-3

REVISED		DESCRIPTION	
NO.	DATE	BY	

Volkert

302 INNOVATION DRIVE, FRANKLIN, TN 37067
PHONE: (615) 656-1845 FAX: (615) 656-1870

TYPICAL SECTIONS

MALLORY LANE / LIBERTY PIKE
FRANKLIN, TENNESSEE

DATE: _____

DESIGNED BY: _____

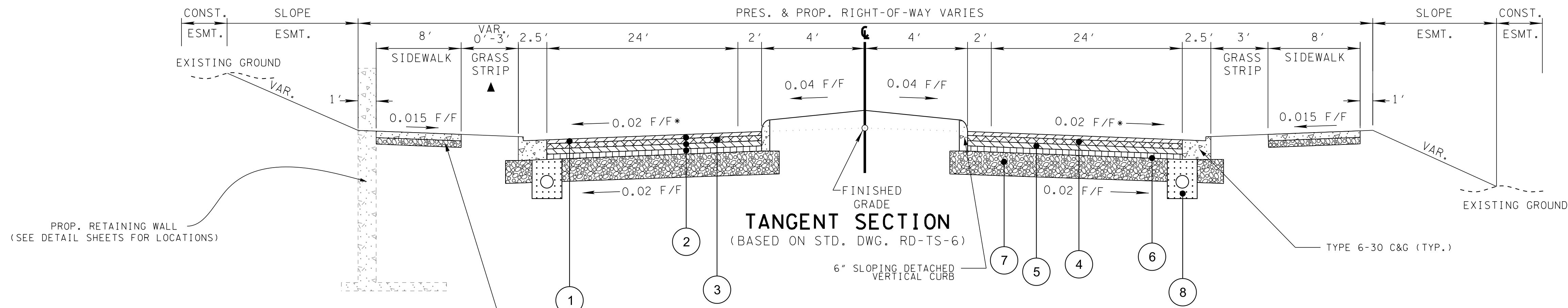
DRAWN BY: _____

SUPERVISED BY: _____

CHECKED BY: _____

YEAR: 2023

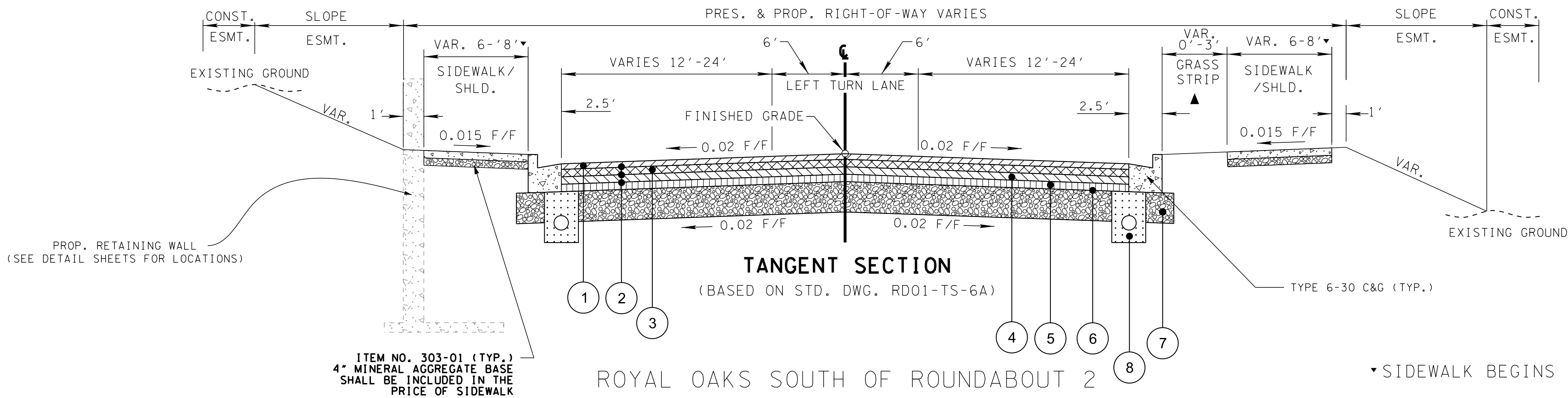
SHEET NO: 2B3



ROYAL OAKS SOUTH OF ROUNDABOUT 2
ROYAL OAKS BLVD. STA. 406+40.00 TO STA. 407+66.79

▲ SEE PROPOSED LAYOUT SHEETS FOR ADDITIONAL INFORMATION

* SLOPE MAY VARY. SEE DETAIL SHEETS AND PROFILES FOR ADDITIONAL INFORMATION REGARDING CROSS SLOPES.



ROYAL OAKS SOUTH OF ROUNDABOUT 2
ROYAL OAKS BLVD. STA. 400+10.00 TO STA. 406+40.00

▼ SIDEWALK BEGINS AT STA. 401+90.00

PAVEMENT SCHEDULE	
1 BITUMINOUS SURFACE COURSE @ 1.5" THICK (APPROX. 159 LB./S.Y.) ITEM NO. 411-03.10 ACS MIX (PG 76-22) GRADING D RDWY	5 BITUMINOUS AGGREGATE BASE @ 4.0" THICK (APPROX. 360 LB./S.Y.) ITEM NO. 307-01.21 ASPHALT CONCRETE MIX (PG 70-22) (BPMB-HM) GRADING A-S
2 TRACKLESS TACK COAT @ 0.05 GAL./S.Y. ITEM NO. 403-02.01 ASPHALT CEMENT FOR TACK COAT (TC)	6 PRIME COAT ITEM NO. 402-01 BITUMINOUS MATERIAL FOR PRIME COAT (PC) @ 0.30-0.35 GAL./S.Y. ITEM NO. 402-02 AGGREGATE FOR COVER MATERIAL (PC) @ 8-12 LB./S.Y.
3 ASPHALT BINDER @ 2.0" THICK (APPROX. 226 LB./S.Y.) ITEM NO. 307-02.08 ASPHALT CONCRETE MIX (PG 70-22) (BPMB-HM) GRADING B-M2	7 MINERAL AGGREGATE BASE @ 10.0" THICK ITEM NO. 303-01 MINERAL AGGREGATE, TYPE A BASE, GRADING D
4 BITUMINOUS AGGREGATE BASE @ 4.0" THICK (APPROX. 460 LB./S.Y.) ITEM NO. 307-02.01 ASPHALT CONCRETE MIX (PG 70-22) (BPMB-HM) GRADING A	8 AGGREGATE UNDERDRAIN WITH PIPE ITEM NO. 710-02 DETAIL "A" STD. DWG. RD-UD-3

REVISIONS	
NO.	DESCRIPTION

Volkert

302 INNOVATION DRIVE, FRANKLIN, TN 37067
PHONE: (615) 656-1845 FAX: (615) 656-1870

TYPICAL SECTIONS

MALLORY LANE / LIBERTY PIKE
FRANKLIN, TENNESSEE

DATE: _____

DESIGNED BY: _____

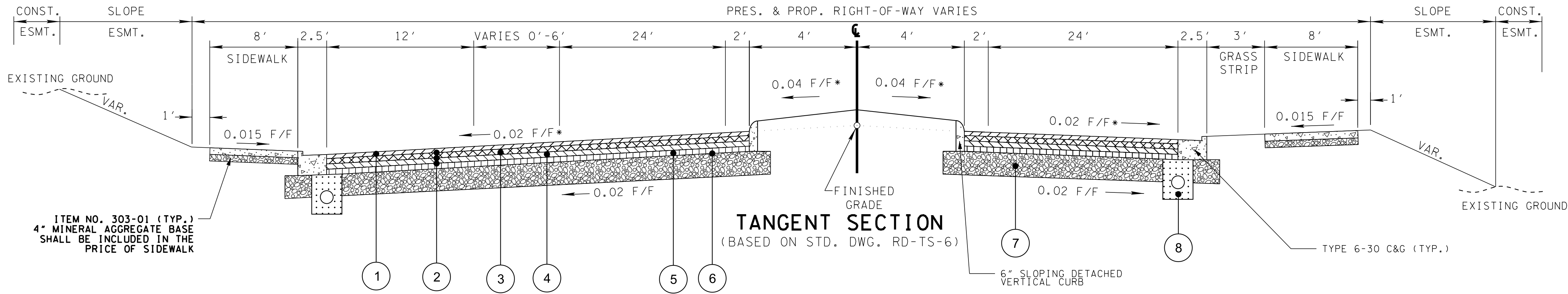
DRAWN BY: _____

SUPERVISED BY: _____

CHECKED BY: _____

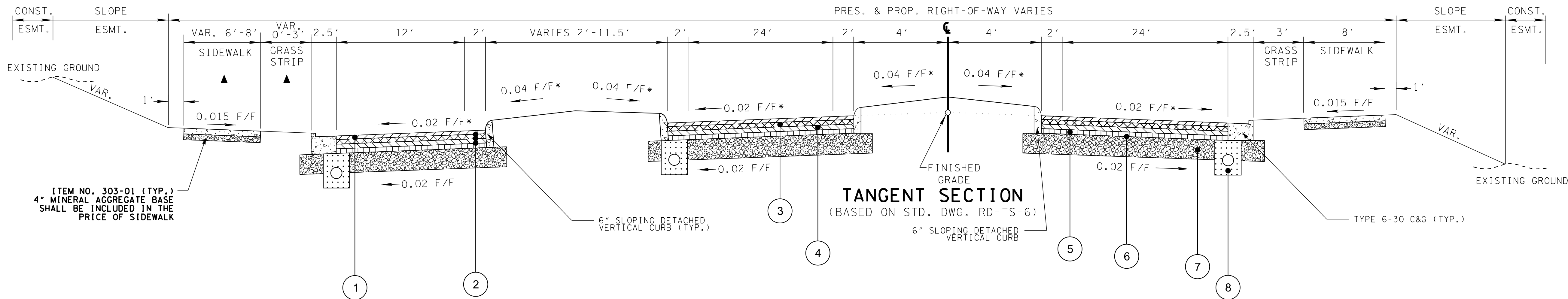
YEAR: 2023

SHEET NO: 2B4



MALLORY LANE NORTH OF ROUNDABOUT 2
MALLORY LANE STA. 501+37.43 TO STA. 506+00.00

* SLOPE MAY VARY. SEE DETAIL SHEETS AND PROFILES FOR ADDITIONAL INFORMATION REGARDING CROSS SLOPES.



MALLORY LANE NORTH OF ROUNDABOUT 2
MALLORY LANE STA. 500+60.16 TO STA. 501+37.43

▲ SEE PROPOSED LAYOUT SHEETS FOR ADDITIONAL INFORMATION

PAVEMENT SCHEDULE	
① BITUMINOUS SURFACE COURSE @ 1.5" THICK (APPROX. 159 LB./S.Y.) ITEM NO. 411-03.10 ACS MIX (PG 76-22) GRADING D RDWY	⑤ BITUMINOUS AGGREGATE BASE @ 4.0" THICK (APPROX. 360 LB./S.Y.) ITEM NO. 307-01.21 ASPHALT CONCRETE MIX (PG 70-22) (BPMB-HM) GRADING A-S
② TRACKLESS TACK COAT @ 0.05 GAL./S.Y. ITEM NO. 403-02.01 ASPHALT CEMENT FOR TACK COAT (TC)	⑥ PRIME COAT ITEM NO. 402-01 BITUMINOUS MATERIAL FOR PRIME COAT (PC) @ 0.30-0.35 GAL./S.Y. ITEM NO. 402-02 AGGREGATE FOR COVER MATERIAL (PC) @ 8-12 LB./S.Y.
③ ASPHALT BINDER @ 2.0" THICK (APPROX. 226 LB./S.Y.) ITEM NO. 307-02.08 ASPHALT CONCRETE MIX (PG 70-22) (BPMB-HM) GRADING B-M2	⑦ MINERAL AGGREGATE BASE @ 10.0" THICK ITEM NO. 303-01 MINERAL AGGREGATE, TYPE A BASE, GRADING D
④ BITUMINOUS AGGREGATE BASE @ 4.0" THICK (APPROX. 460 LB./S.Y.) ITEM NO. 307-02.01 ASPHALT CONCRETE MIX (PG 70-22) (BPMB-HM) GRADING A	⑧ AGGREGATE UNDERDRAIN WITH PIPE ITEM NO. 710-02 DETAIL "A" STD. DWG. RD-UD-3

REVISIONS	
NO.	DESCRIPTION

Volkert

302 INNOVATION DRIVE, FRANKLIN, TN 37067
PHONE: (615) 656-1845 FAX: (615) 656-1870

TYPICAL SECTIONS

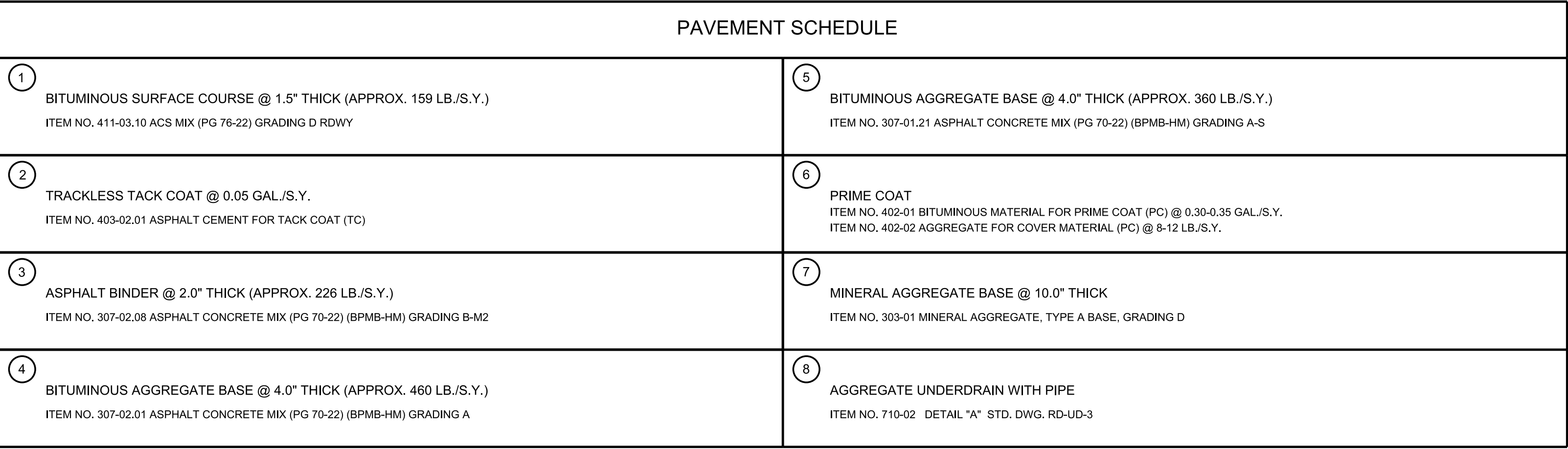
MALLORY LANE / LIBERTY PIKE
FRANKLIN, TENNESSEE

DATE: _____
DESIGNED BY: _____
DRAWN BY: _____
SUPERVISED BY: _____
CHECKED BY: _____

YEAR: 2023

SHEET NO: 2B5

Page 284 of 634

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VOLKERT

302 INNOVATION DRIVE, FRANKLIN, TN 37067
PHONE: (615) 656-1845 FAX: (615) 656-1870

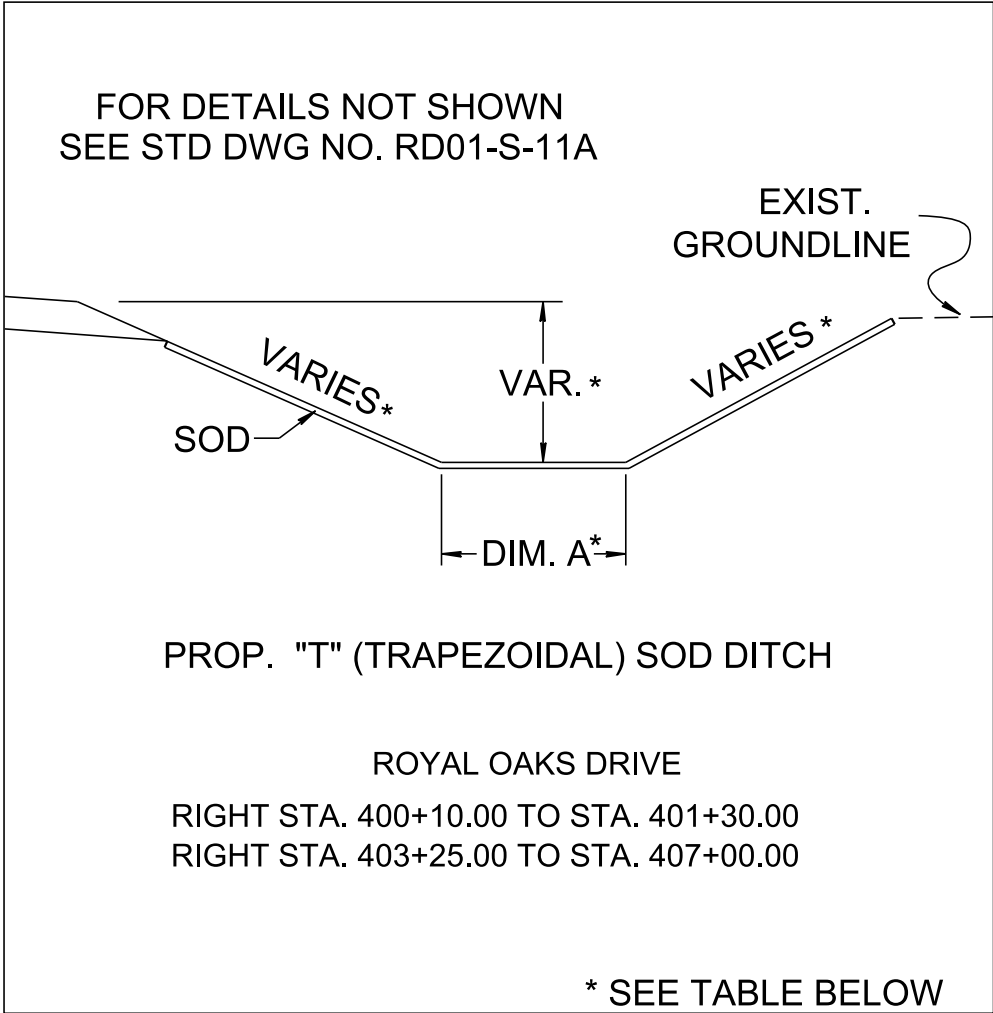
TYPICAL SECTIONS

MALLORY LANE / LIBERTY PIKE
FRANKLIN, TENNESSEE

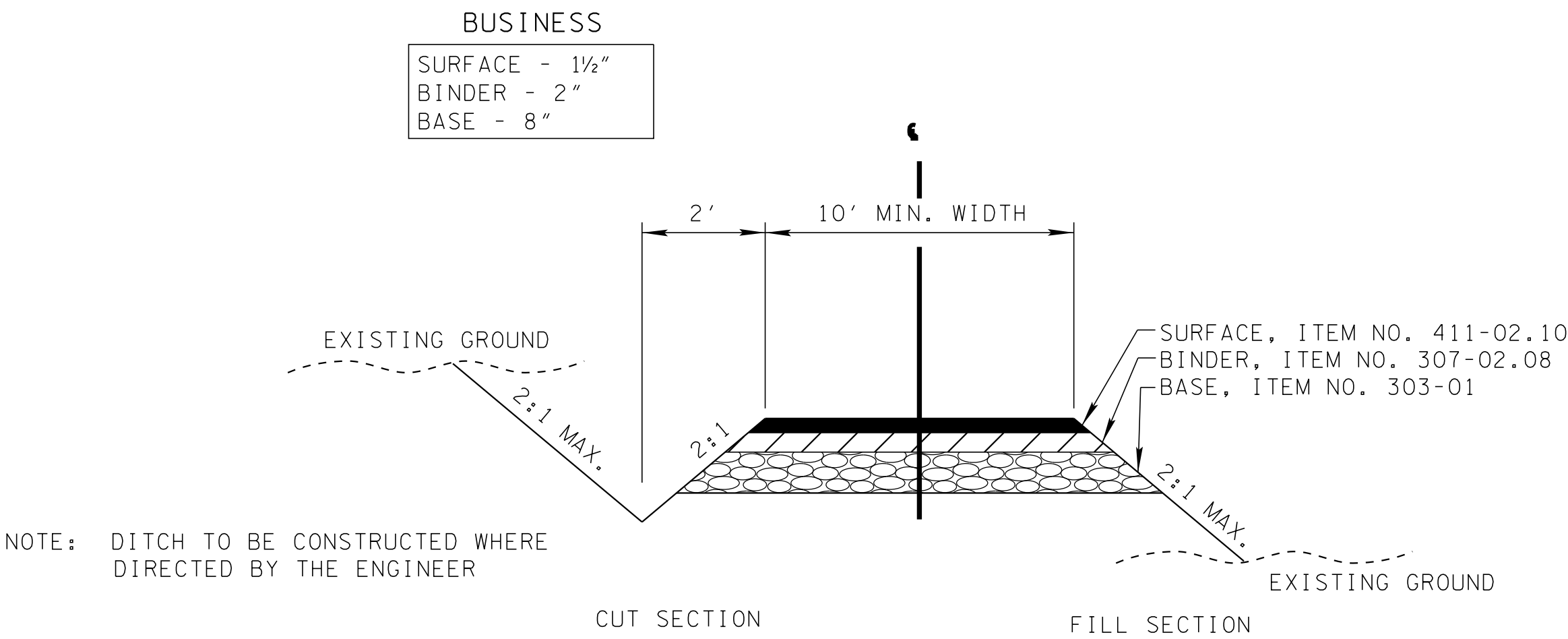
DATE: _____
DESIGNED BY: _____
DRAWN BY: _____
SUPERVISED BY: _____
CHECKED BY: _____

YEAR: 2023

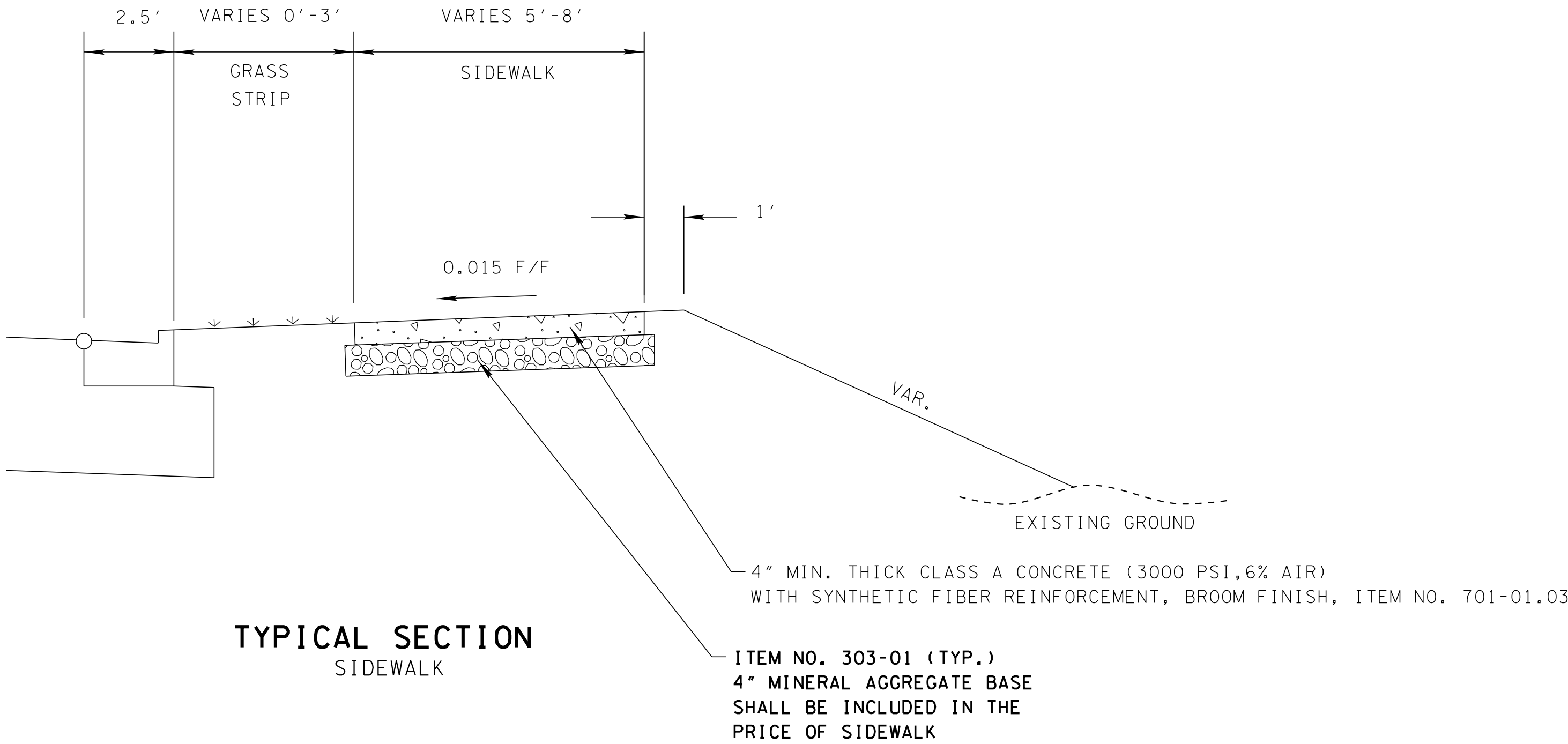
SHEET NO: 2B6



SPECIAL DITCH TYPICAL



TYPICAL SECTION
PRIVATE DRIVE



TYPICAL SECTION
SIDEWALK

REVISIONS		DESCRIPTION	
NO	DATE	BY	

Volkert

302 INNOVATION DRIVE, FRANKLIN, TN 37067
PHONE: (615) 656-1845 FAX: (615) 656-1870

TYPICAL SECTIONS

MALLORY LANE / LIBERTY PIKE
FRANKLIN, TENNESSEE

DATE: _____

DESIGNED BY: _____

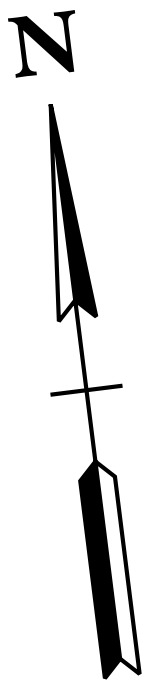
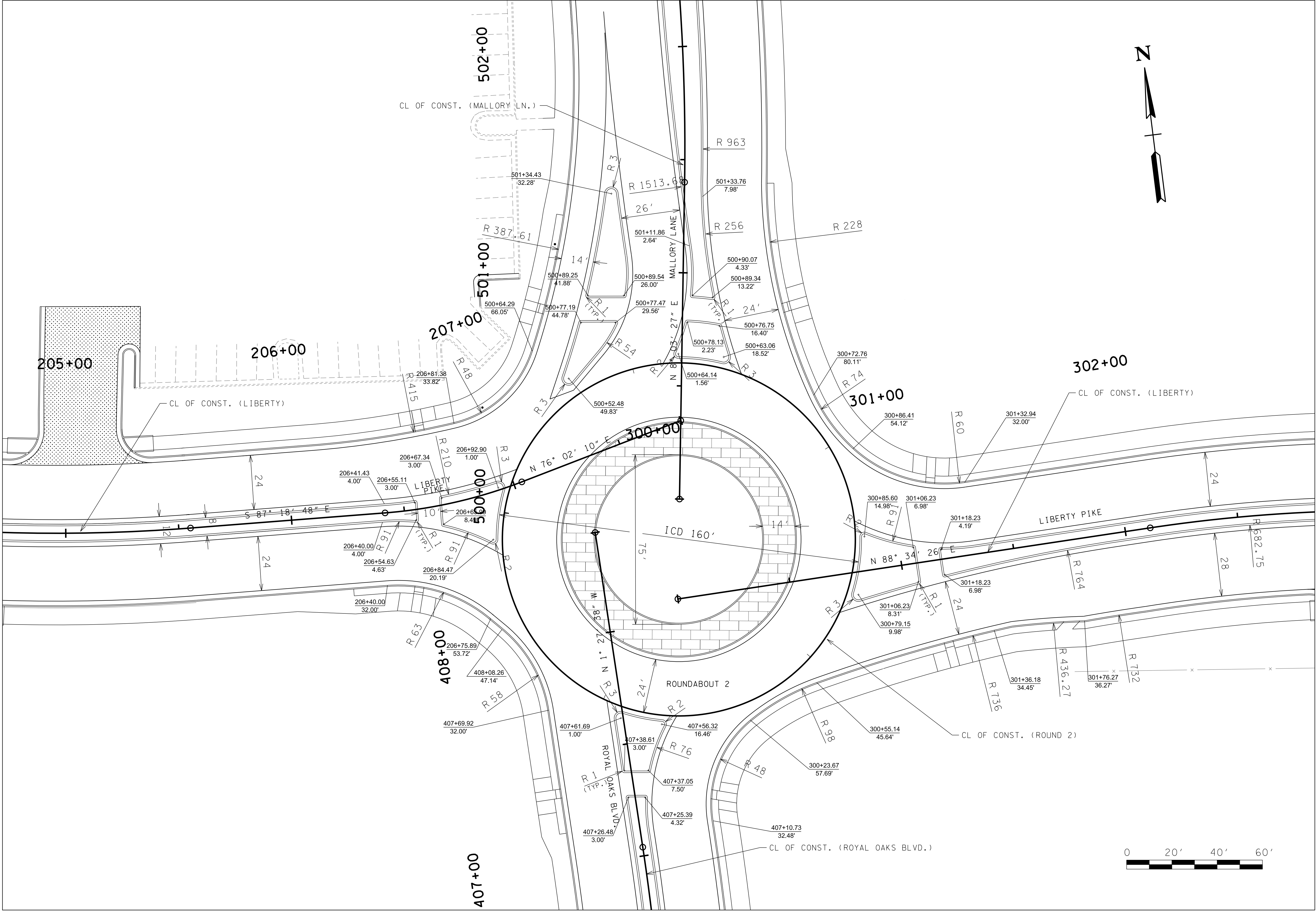
DRAWN BY: _____

SUPERVISED BY: _____

CHECKED BY: _____

YEAR: 2023

SHEET NO: 2B7



REVISIONS		DESCRIPTION	
NO	DATE	BY	

Volkert

BRENTWOOD COMMONS, 750 OLD HICKORY BLVD.
SUITE 230-1, BRENTWOOD, TN 37027
PHONE: (615) 656-1845 FAX: (615) 656-1870

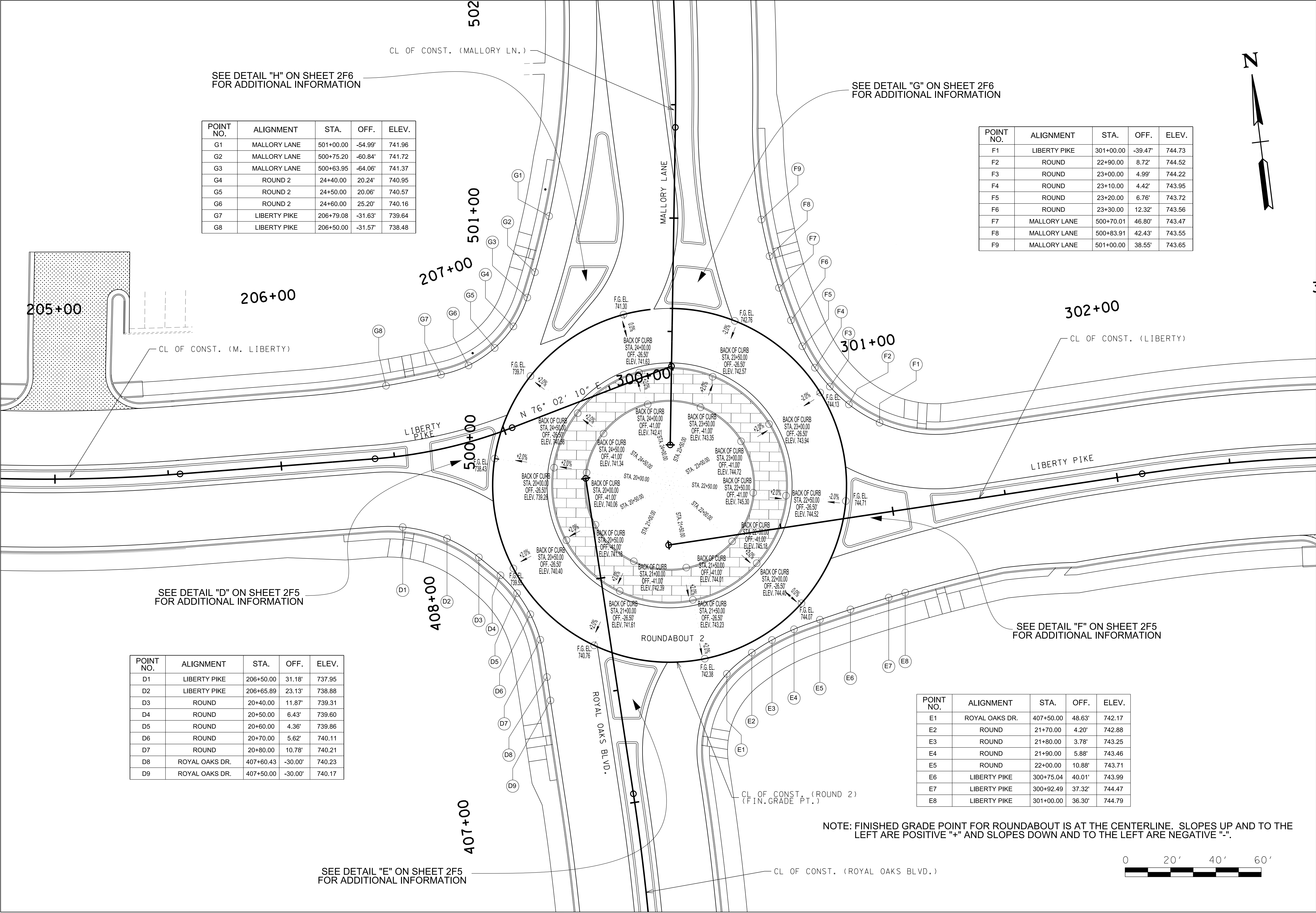
ROUNDABOUT DETAILS
(ROUNDABOUT 2)

MALLORY LANE / LIBERTY PIKE
FRANKLIN, TENNESSEE

DATE: _____
DESIGNED BY: _____
DRAWN BY: _____
SUPERVISED BY: _____
CHECKED BY: _____

YEAR: 2023

SHEET NO: 2F2



SEE DETAIL "H" ON SHEET 2F6
FOR ADDITIONAL INFORMATION

SEE DETAIL "G" ON SHEET 2F6
FOR ADDITIONAL INFORMATION

POINT NO.	ALIGNMENT	STA.	OFF.	ELEV.
G1	MALLORY LANE	501+00.00	-54.99'	741.96
G2	MALLORY LANE	500+75.20	-60.84'	741.72
G3	MALLORY LANE	500+63.95	-64.06'	741.37
G4	ROUND 2	24+40.00	20.24'	740.95
G5	ROUND 2	24+50.00	20.06'	740.57
G6	ROUND 2	24+60.00	25.20'	740.16
G7	LIBERTY PIKE	206+79.08	-31.63'	739.64
G8	LIBERTY PIKE	206+50.00	-31.57'	738.48

POINT NO.	ALIGNMENT	STA.	OFF.	ELEV.
F1	LIBERTY PIKE	301+00.00	-39.47'	744.73
F2	ROUND	22+90.00	8.72'	744.52
F3	ROUND	23+00.00	4.99'	744.22
F4	ROUND	23+10.00	4.42'	743.95
F5	ROUND	23+20.00	6.76'	743.72
F6	ROUND	23+30.00	12.32'	743.56
F7	MALLORY LANE	500+70.01	46.80'	743.47
F8	MALLORY LANE	500+83.91	42.43'	743.55
F9	MALLORY LANE	501+00.00	38.55'	743.65

POINT NO.	ALIGNMENT	STA.	OFF.	ELEV.
D1	LIBERTY PIKE	206+50.00	31.18'	737.95
D2	LIBERTY PIKE	206+65.89	23.13'	738.88
D3	ROUND	20+40.00	11.87'	739.31
D4	ROUND	20+50.00	6.43'	739.60
D5	ROUND	20+60.00	4.36'	739.86
D6	ROUND	20+70.00	5.62'	740.11
D7	ROUND	20+80.00	10.78'	740.21
D8	ROYAL OAKS DR.	407+60.43	-30.00'	740.23
D9	ROYAL OAKS DR.	407+50.00	-30.00'	740.17

POINT NO.	ALIGNMENT	STA.	OFF.	ELEV.
E1	ROYAL OAKS DR.	407+50.00	48.63'	742.17
E2	ROUND	21+70.00	4.20'	742.88
E3	ROUND	21+80.00	3.78'	743.25
E4	ROUND	21+90.00	5.88'	743.46
E5	ROUND	22+00.00	10.88'	743.71
E6	LIBERTY PIKE	300+75.04	40.01'	743.99
E7	LIBERTY PIKE	300+92.49	37.32'	744.47
E8	LIBERTY PIKE	301+00.00	36.30'	744.79

NOTE: FINISHED GRADE POINT FOR ROUNDABOUT IS AT THE CENTERLINE. SLOPES UP AND TO THE LEFT ARE POSITIVE "+" AND SLOPES DOWN AND TO THE LEFT ARE NEGATIVE "-".



REVISIONS		DESCRIPTION	
NO.	DATE	BY	

Volkert

BRENTWOOD COMMONS, 750 OLD HICKORY BLVD.
SUITE 230-1, BRENTWOOD, TN 37027
PHONE: (615) 656-1845 FAX: (615) 656-1870

ROUNDABOUT DETAILS
(ROUNDABOUT 2)

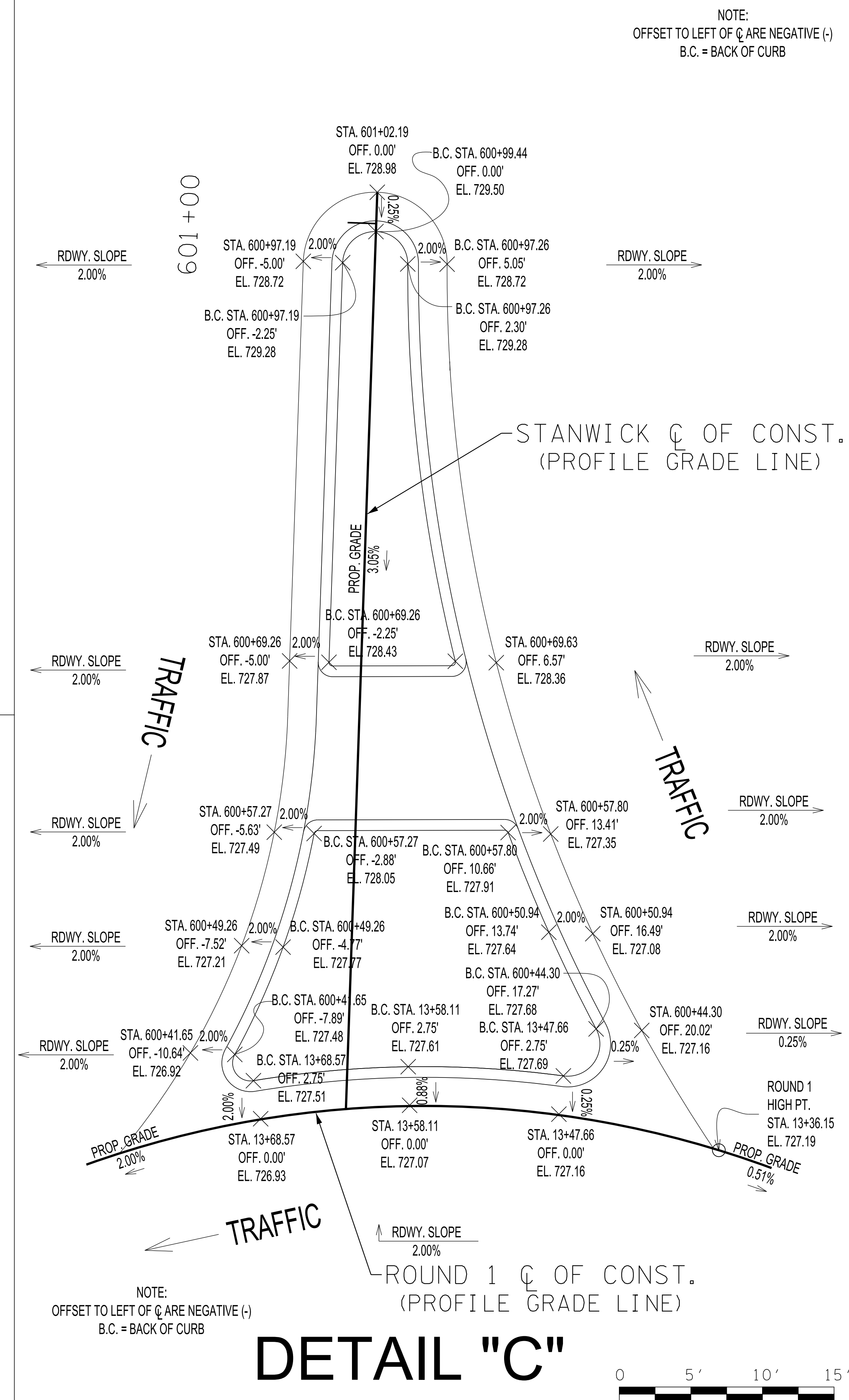
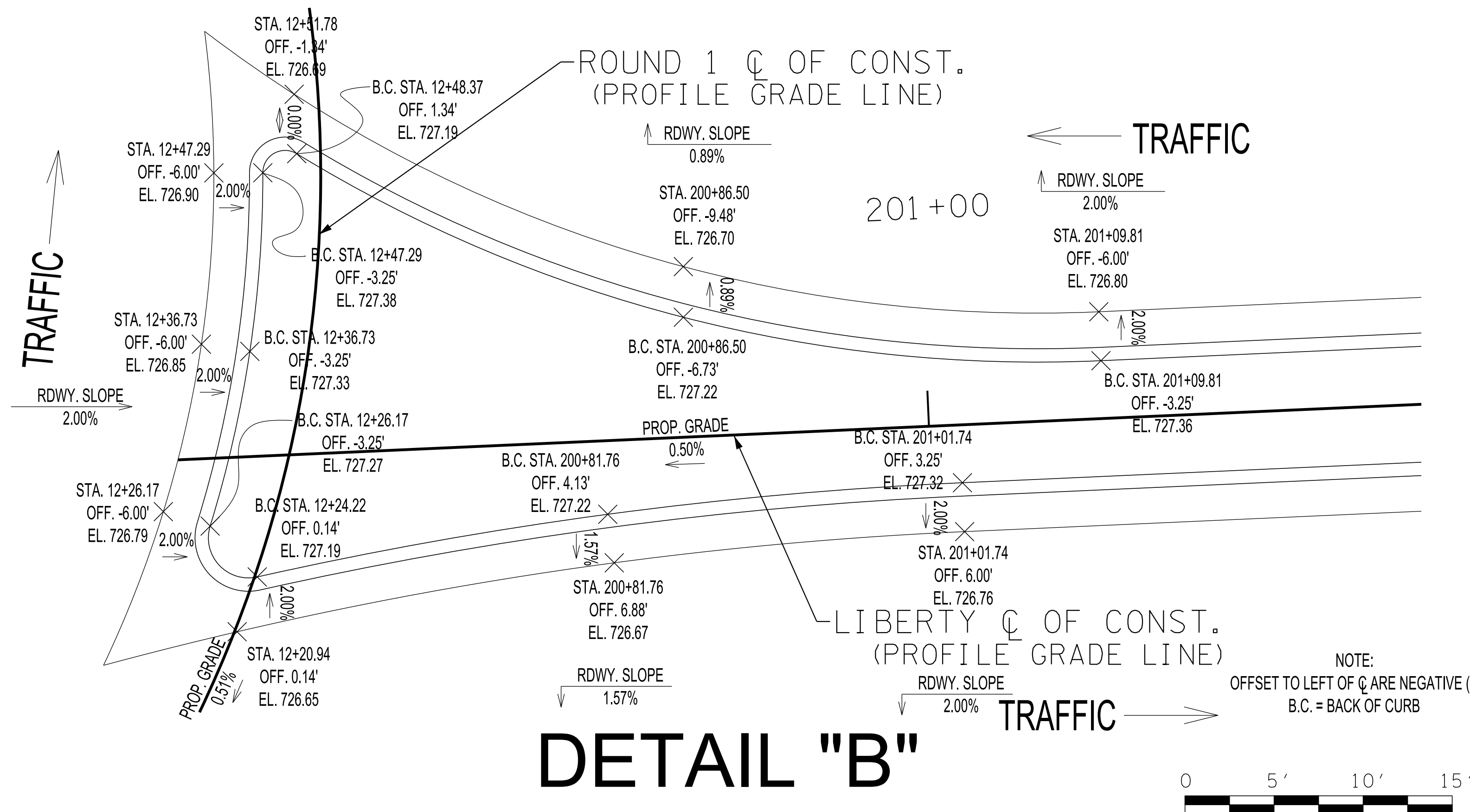
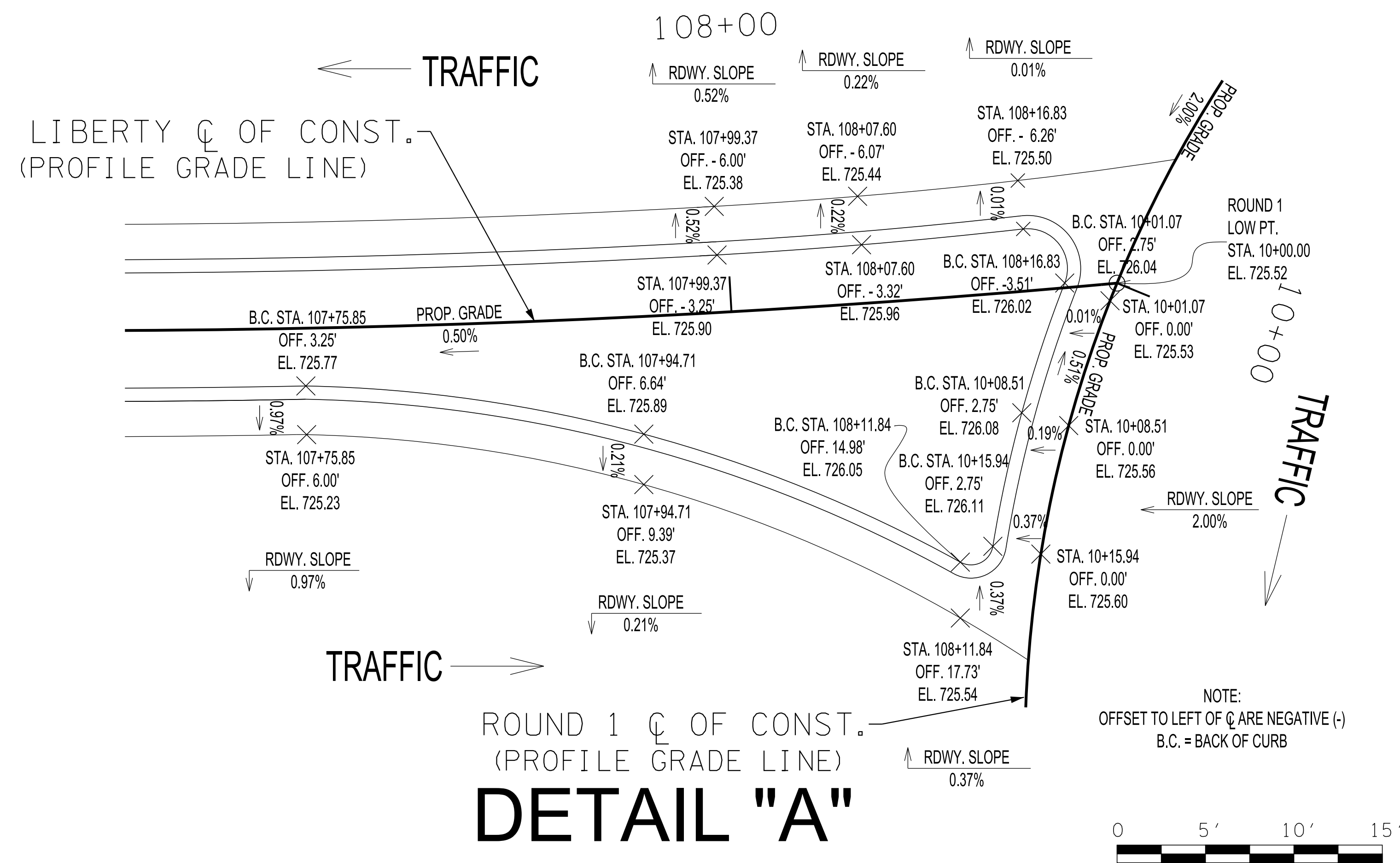
MALLORY LANE / LIBERTY PIKE
FRANKLIN, TENNESSEE

DATE: _____
DESIGNED BY: _____
DRAWN BY: _____
SUPERVISED BY: _____
CHECKED BY: _____

YEAR: 2023

SHEET NO: 2F3

Page 290 of 634

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VOLKERT

BRENTWOOD COMMONS, 750 OLD HICKORY BLVD.
SUITE 230-1, BRENTWOOD, TN 37027
PHONE: (615) 656-1845 FAX: (615) 656

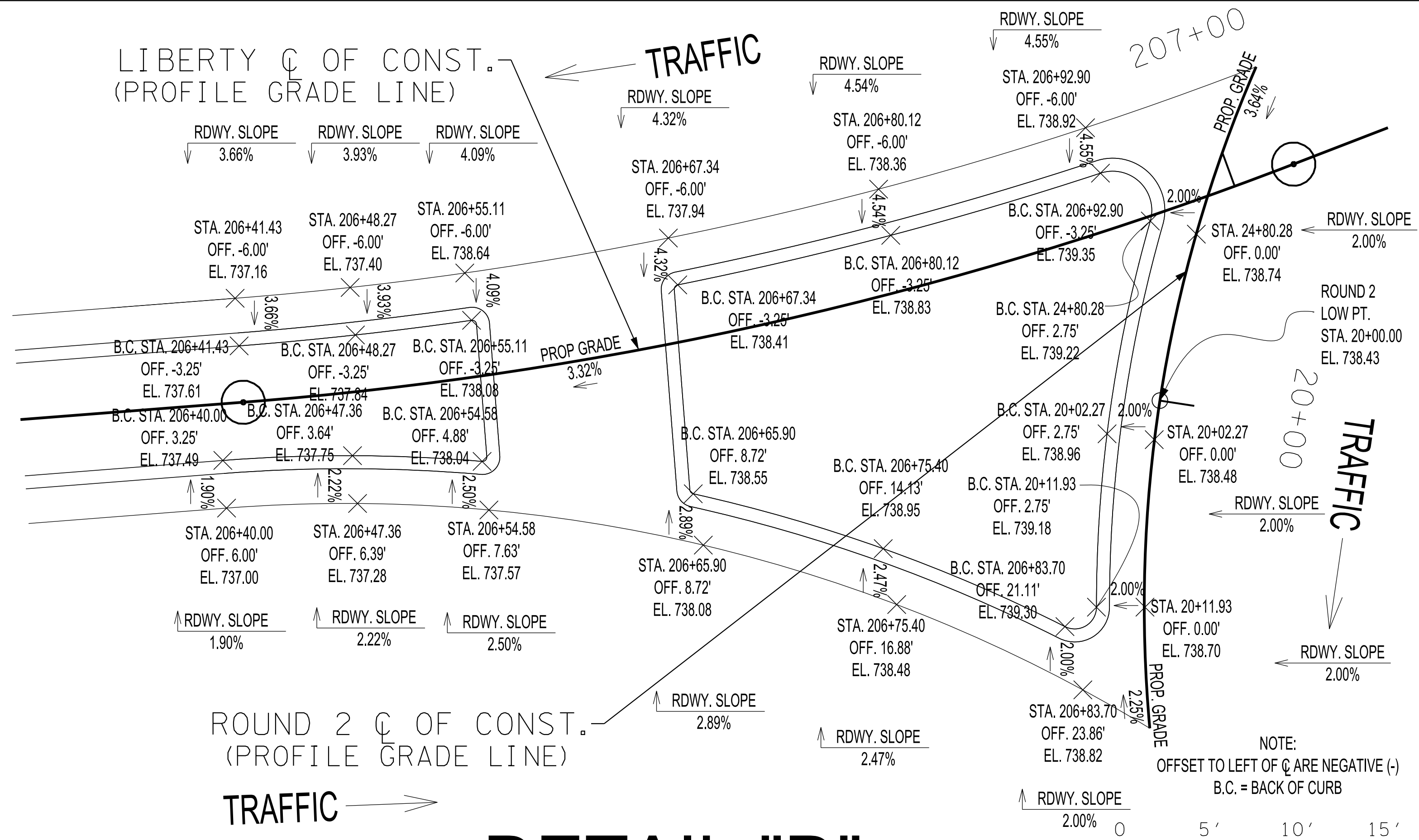
ISLAND DETAILS
©
(ROUNDABOUT 1)

MALLORY LANE / LIBERTY PIKE
FRANKLIN, TENNESSEE

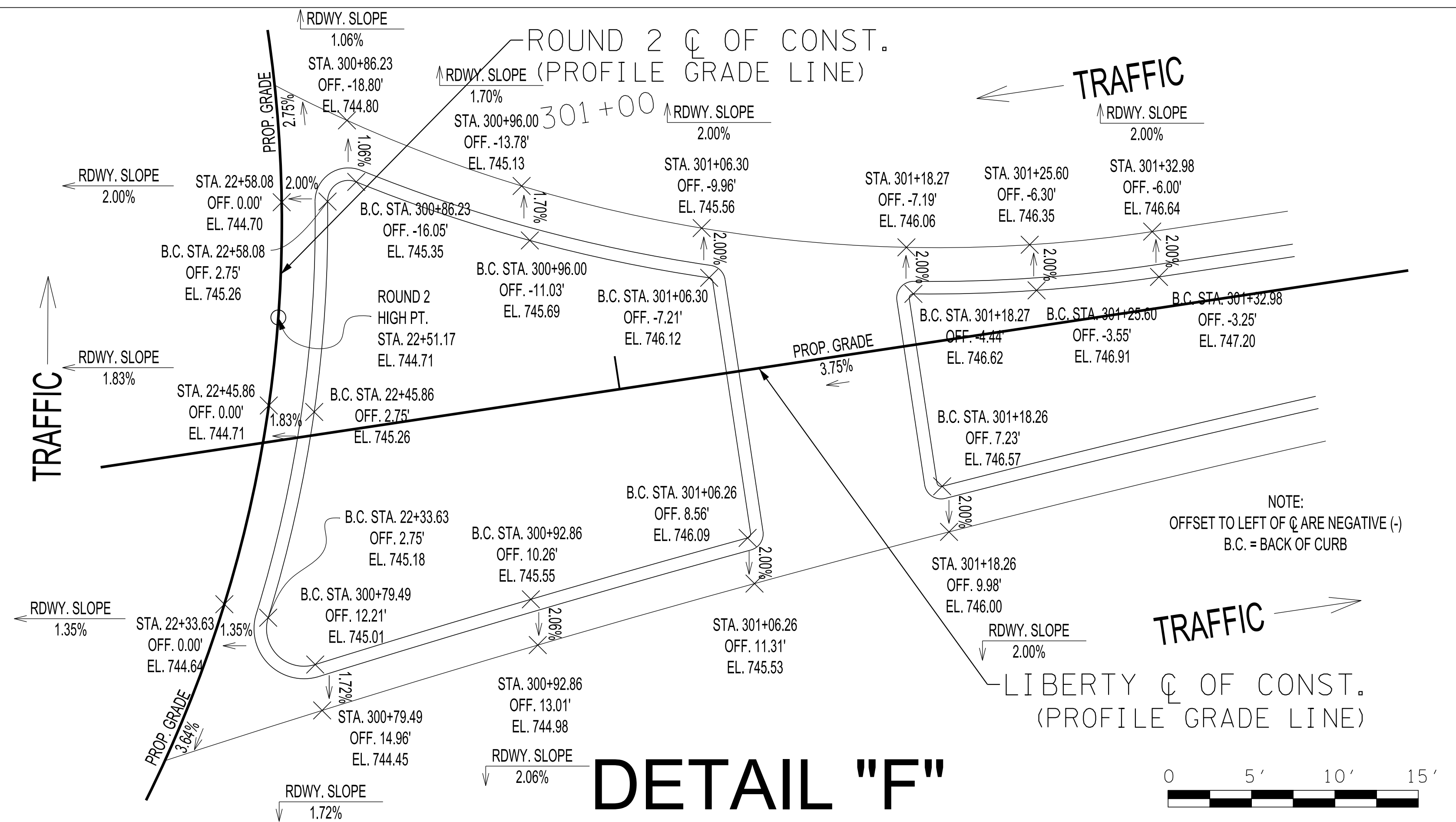
DATE: _____
DESIGNED BY: _____
DRAWN BY: _____
SUPERVISED BY: _____
CHECKED BY: _____

YEAR: 2023

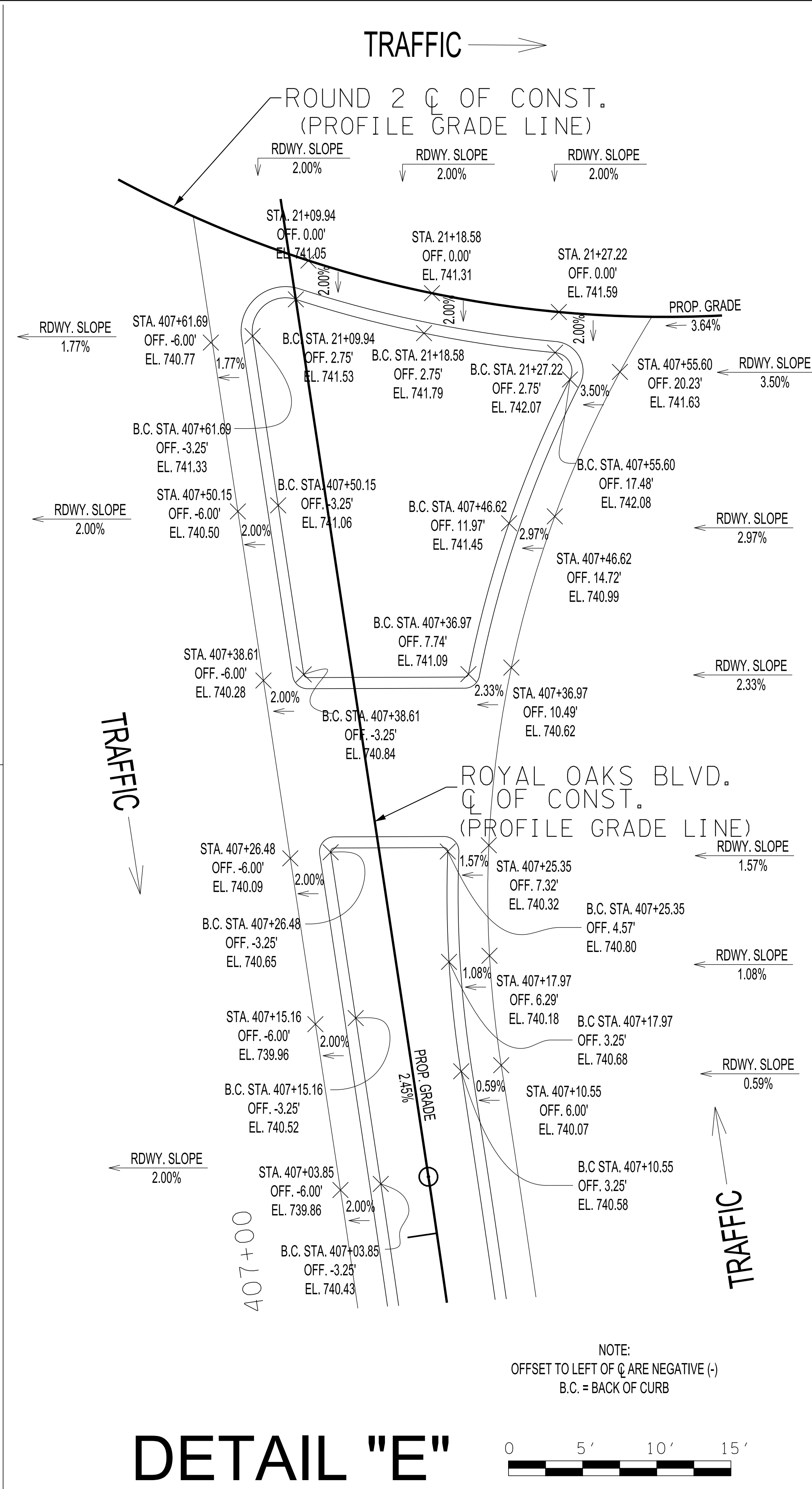
SHEET NO: 2F4



DETAIL "D"



DETAIL "F"



DETAIL "E"

REVISIONS		DESCRIPTION
NO	DATE	BY

Volkert

BRENTWOOD COMMONS, 750 OLD HICKORY BLVD.
SUITE 230-1, BRENTWOOD, TN 37027
PHONE: (615) 656-1845 FAX: (615) 656-1870

ISLAND DETAILS
@
(ROUNDABOUT 2)
MALLORY LANE / LIBERTY PIKE
FRANKLIN, TENNESSEE

DATE: _____

DESIGNED BY: _____

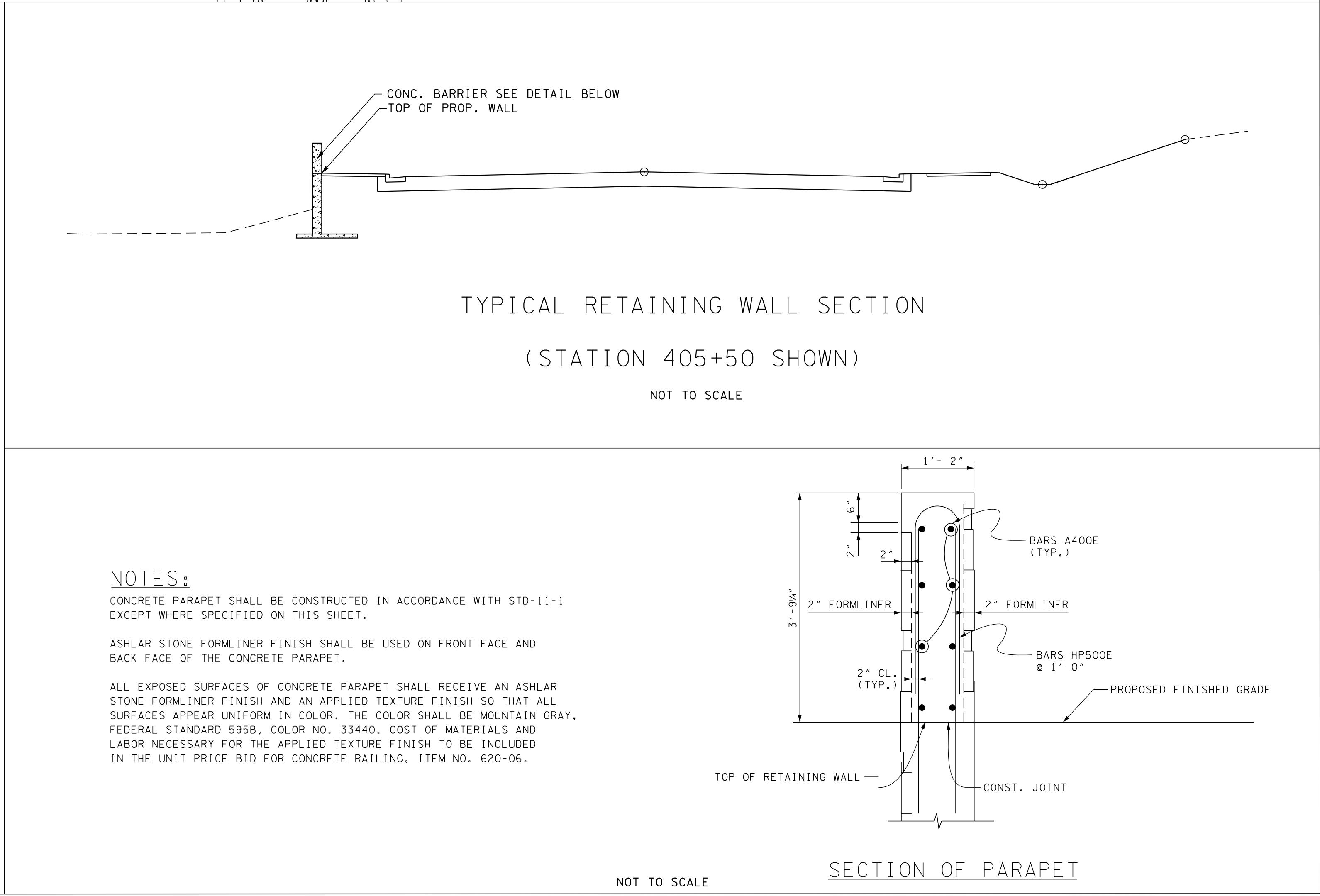
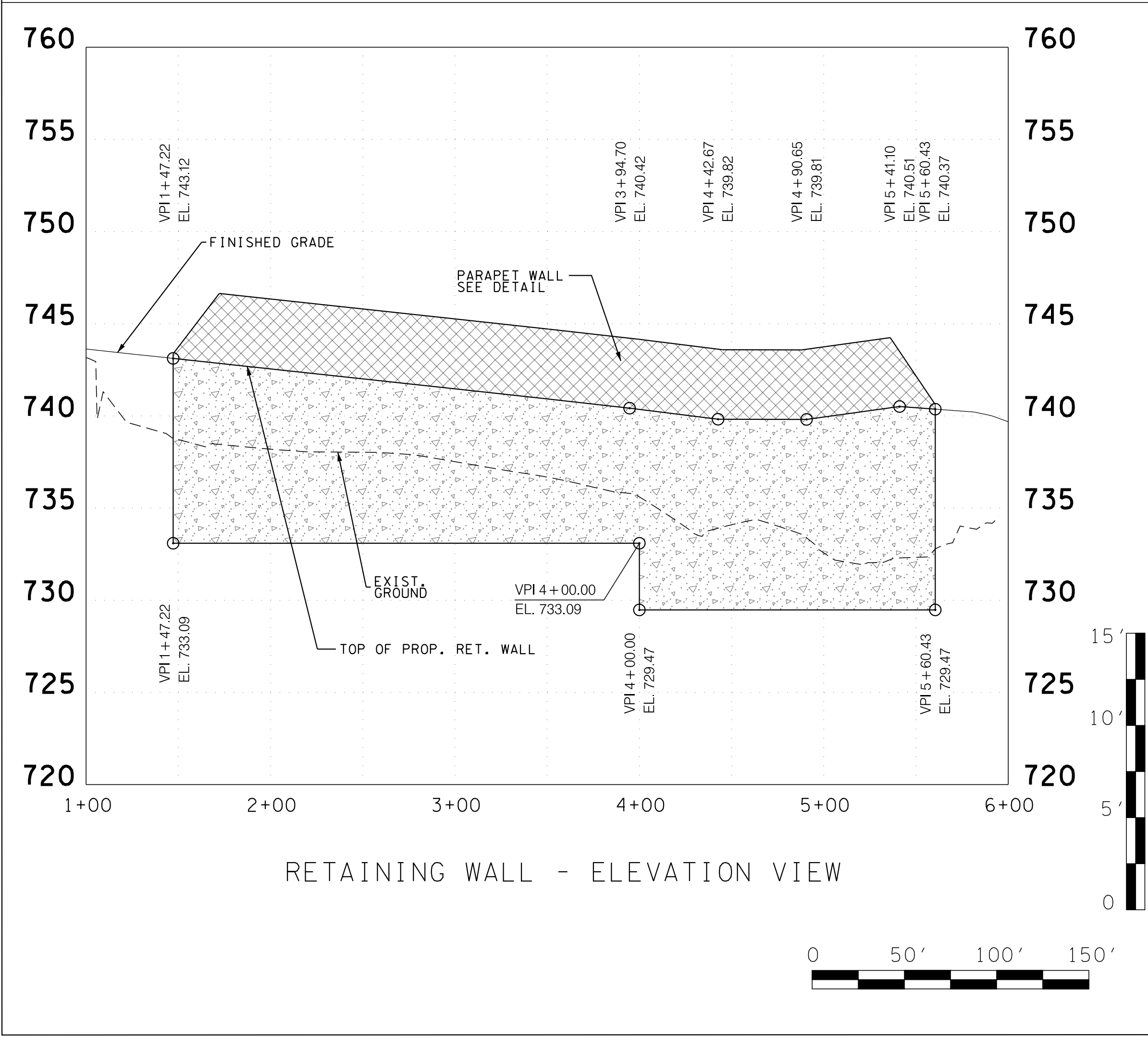
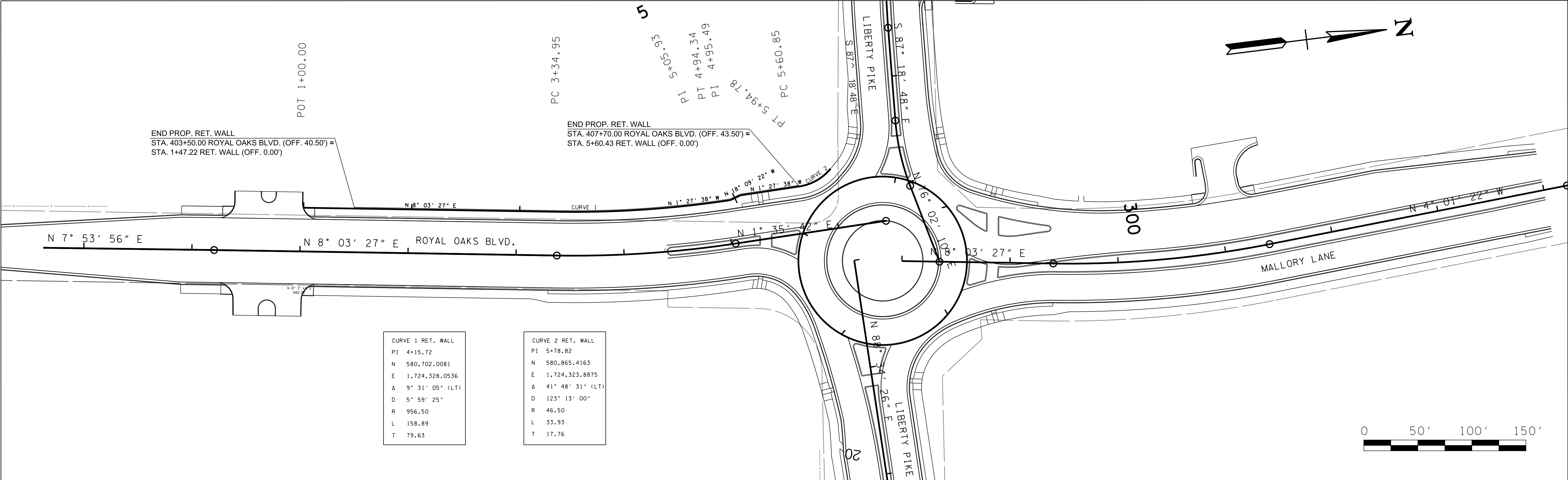
DRAWN BY: _____

SUPERVISED BY: _____

CHECKED BY: _____

YEAR: 2023

SHEET NO: 2F5



REVISIONS

NO.	DATE	BY	DESCRIPTION

Volkert

BRENTWOOD COMMONS, 750 OLD HICKORY BLVD.
SUITE 230-1, BRENTWOOD, TN 37027
PHONE: (615) 656-1845 FAX: (615) 656-1870

RETAINING WALL NO.2 DETAILS

MALLORY LANE / LIBERTY PIKE
FRANKLIN, TENNESSEE

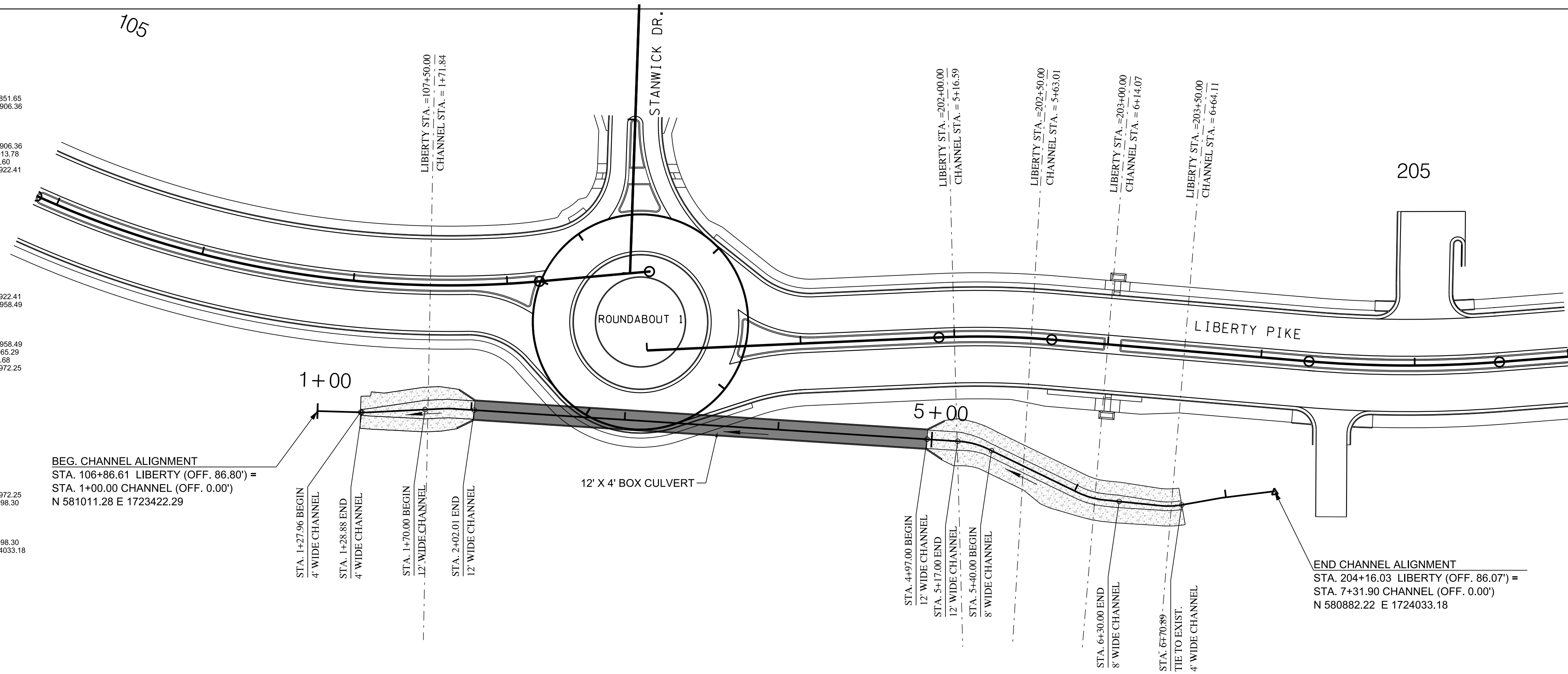
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DESIGNED BY: _____
DRAWN BY: _____
SUPERVISED BY: _____
CHECKED BY: _____

YEAR: 2023

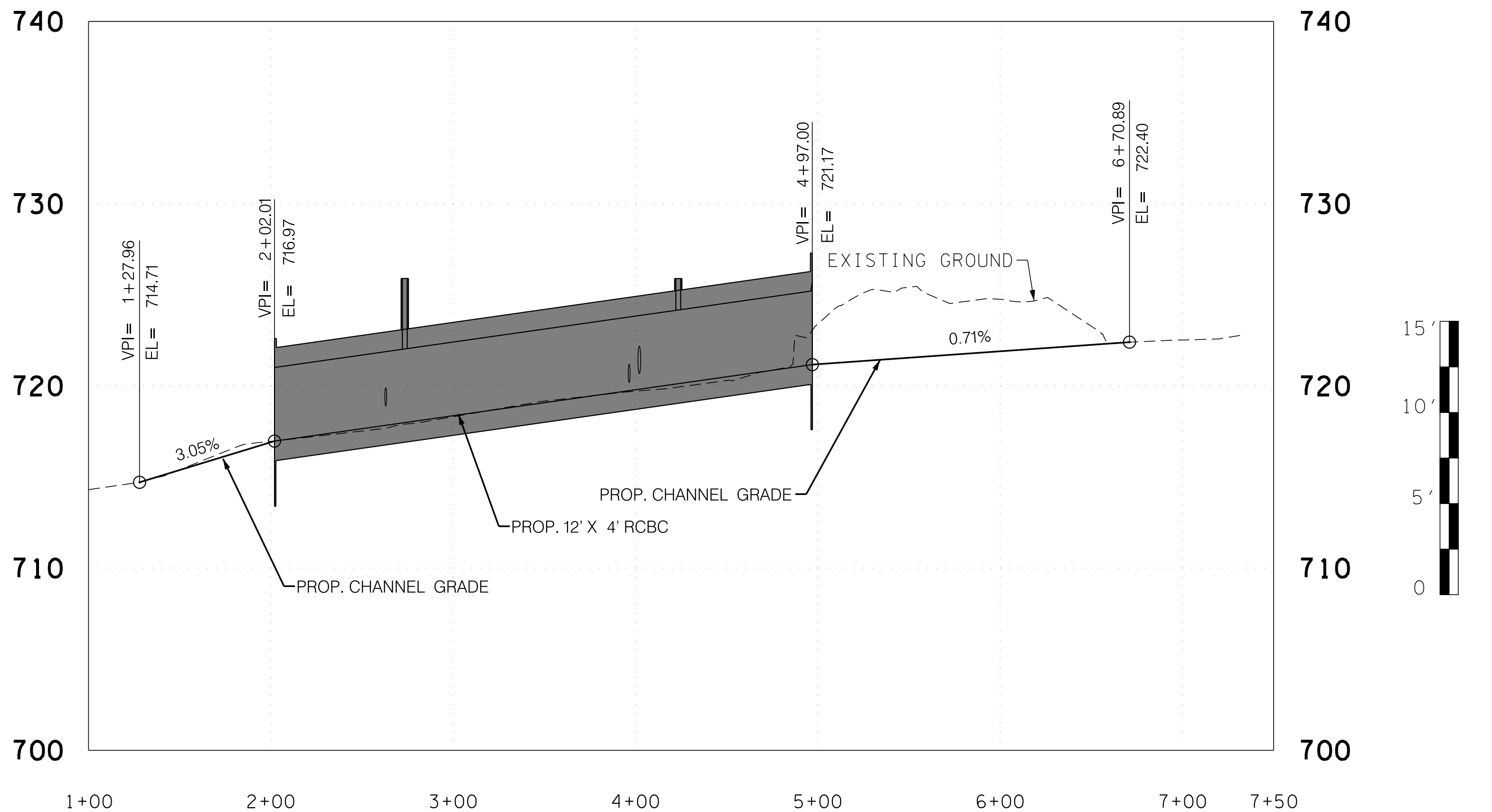
SHEET NO: 2F8

Project Name: 105800			
Description:			
Horizontal Alignment Name: Box/Culvert			
Description:			
Style: Default			
STATION			
NORTHING			
EASTING			
Element: Linear			
PC ()	1+00.00	581011.28	1723422.29
PT ()	1+29.48	581006.77	1723451.42
Tangent Direction:	S 81°12'27" E		
Tangent Length:	29.48		
Element: Circular			
PC ()	1+29.48	581006.77	1723451.42
PI ()	1+31.42	581004.67	1723453.34
PT ()	1+33.35	581006.77	1723451.42
PT	1+33.35	581006.77	1723455.27
Radius:	50.00		
Degree of Curvature(Arc):	44°20'30" Left		
Length:	3.87		
Tangent:	1.94		
Chord:	3.87		
Middle Ordinate:	0.04		
External:			
Tangent Direction:	S 81°12'27" E		
Radial Direction:	S 84°73'3" W		
Chord Direction:	S 83°25'0" W		
Radial Direction:	S 4°21'14" W		
Tangent Direction:	S 85°38'46" E		
Element: Linear			
PC	1+33.35	581006.77	1723455.27
PT	1+82.27	581002.61	1723504.05
Tangent Direction:	S 85°38'46" E		
Tangent Length:	48.92		
Element: Circular			
PC ()	1+82.27	581002.61	1723504.05
PI	1+85.10	581002.40	1723500.87
PT ()	1+86.92	580992.76	1723509.65
CC ()	1+87.92	581001.87	1723509.65
Radius:	50.00		
Degree of Curvature(Arc):	62°08'11" Right		
Length:	5.65		
Tangent:	2.83		
Chord:	5.65		
Middle Ordinate:	0.08		
External:			
Tangent Direction:	S 85°38'46" E		
Radial Direction:	S 4°21'14" W		
Chord Direction:	S 82°04'11" E		
Radial Direction:	S 10°49'24" W		
Tangent Direction:	S 79°10'36" E		
Element: Linear			
PT ()	1+87.92	581001.87	1723509.65
PC ()	5+17.95	580939.89	1723833.80
Tangent Length:	S 79°10'36" E		
Tangent Circular:	330.03		
Element: Circular			
PC	5+17.95	580939.89	1723833.80
PI	5+27.30	580938.05	1723844.34
CC	5+37.30	580890.78	1723824.42
PT	5+47.30	580932.72	1723851.65
Radius:	50.00		
Degree of Curvature(Arc):	22°10'31" Right		
Length:	19.35		
Tangent:	9.68		
Chord:	19.23		
Middle Ordinate:	0.93		
External:	0.95		
Tangent Direction:	S 79°10'36" E		
Radial Direction:	S 10°49'24" W		
Chord Direction:	S 65°00'20" E		
Radial Direction:	S 29°59'59" W		
Tangent Direction:	S 57°00'05" E		

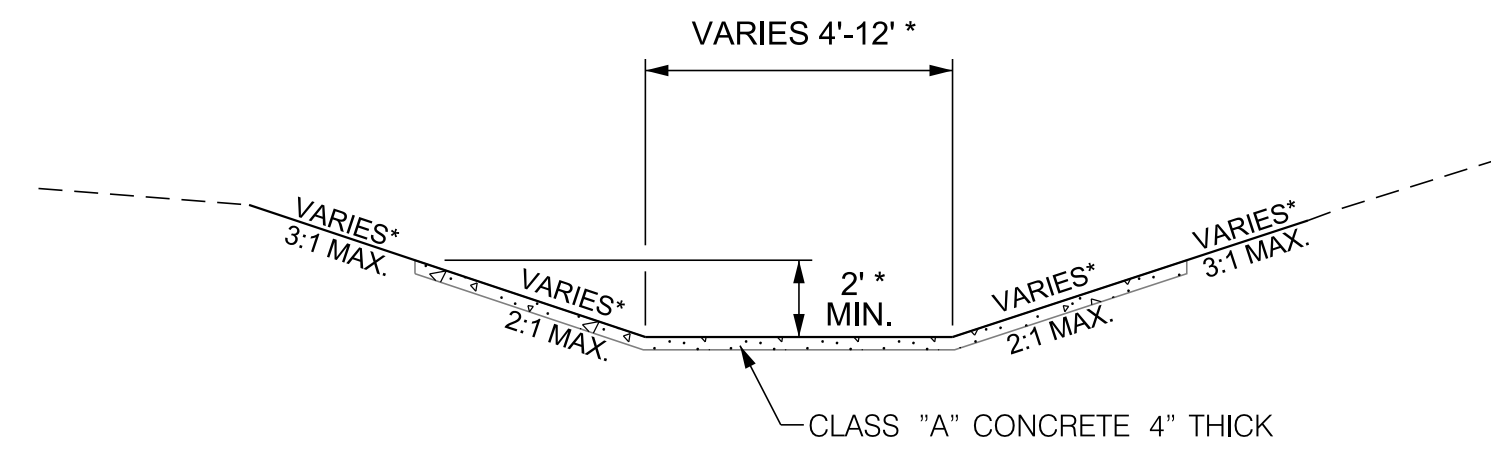
Element: Linear	
PT ()	5:37.30 580932.72 1723581.65
PC ()	6:40.54 580897.19 1723006.36
Tangent Direction:	S 57°00'05" E
Tangent Length:	65.24
Element: Circular	
PI ()	6:40.54 580897.19 1723006.36
PC ()	6:11.39 580892.37 1723913.78
CC ()	5:00.00 580933.12 1723933.60
PT ()	5:00.00 580890.39 1723922.41
Radius:	50.00
Delta:	29°00'00" Left 114°35'30"
Degree of Curvature(Arc):	
Length:	17.51
Tangent:	6.85
Chord:	17.42
External:	0.76
Middle Ordinate:	0.76
Tangent Direction:	S 67°00'05" E
Radial Direction:	S 30°59'00" E
Chord Direction:	S 67°02'00" E
Radial Direction:	S 12°55'44" W
Tangent Direction:	S 77°04'10" E
Element: Linear	
PT ()	6:20.06 580890.39 1723922.41
PC ()	6:57.08 580892.10 1723958.49
Tangent Direction:	S 77°04'10" E
Tangent Length:	37.02
Element: Circular	
PI ()	6:57.08 580892.10 1723958.49
PC ()	6:54.05 580890.54 1723965.29
CC ()	580930.84 1723969.68
PT ()	6:57.93 580890.90 1723972.25
Radius:	50.00
Delta:	15°52'29" Left 114°35'30"
Degree of Curvature(Arc):	
Length:	13.85
Tangent:	6.87
Chord:	13.81
External:	0.48
Middle Ordinate:	0.48
Tangent Direction:	S 77°04'10" E
Radial Direction:	S 12°55'44" W
Chord Direction:	S 85°00'00" E
Radial Direction:	S 2°56'45" E
Tangent Direction:	N 67°03'15" E
Element: Linear	
PT ()	6:57.93 580890.90 1723972.25
PC ()	6:49.02 580892.24 1723998.30
Tangent Direction:	N 67°03'15" E
Tangent Length:	26.08
Element: Linear	
PI ()	6:49.02 580892.24 1723998.30
POE ()	7:41.90 580892.22 1724033.16
Tangent Direction:	S 89°73'00" E
Tangent Length:	34.89



*NOTE: SEE ROADWAY CROSS SECTIONS FOR ADDITIONAL INFO.
REFER TO SECTION LINES ABOVE FOR PROPOSED CROSS SECTION STATIONS



CONCRETE CHANNEL PROFILE



CONCRETE DITCH DETAIL

*NOTE: SEE ROADWAY CROSS SECTIONS FOR ADDITIONAL INFO.
NOT TO SCALE

[illegible]

VOLKERT

BRENTWOOD COMMONS, 750 OLD HICKORY BLVD.
SUITE 230-1, BRENTWOOD, TN 37027
PHONE: (615) 656-1845 FAX: (615) 656-1870

CONCRETE CHANNEL DETAILS

MALLORY LANE / LIBERTY PIKE
FRANKLIN, TENNESSEE

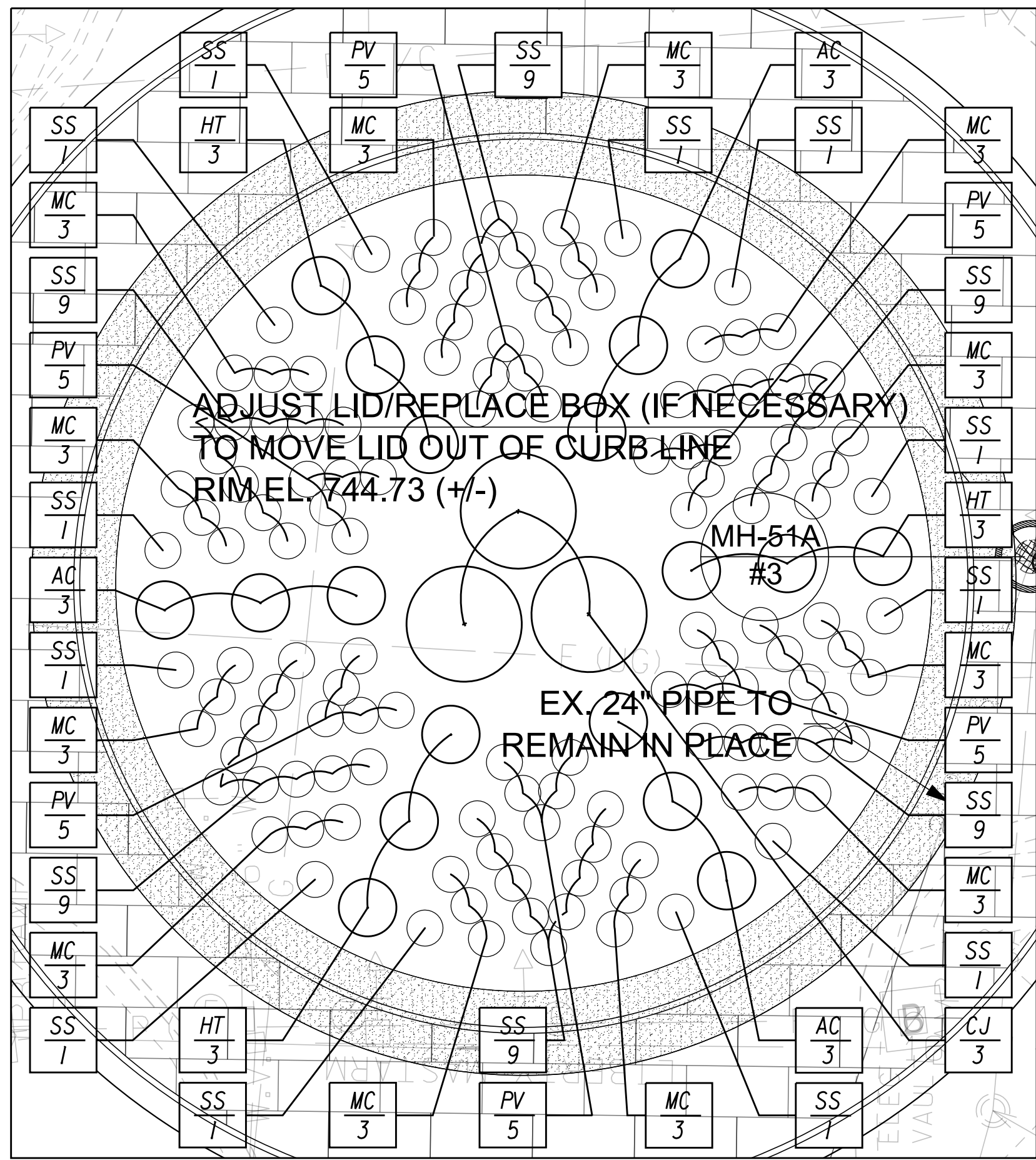
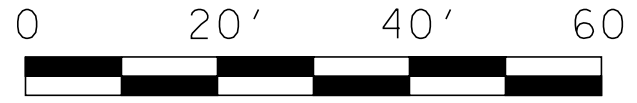
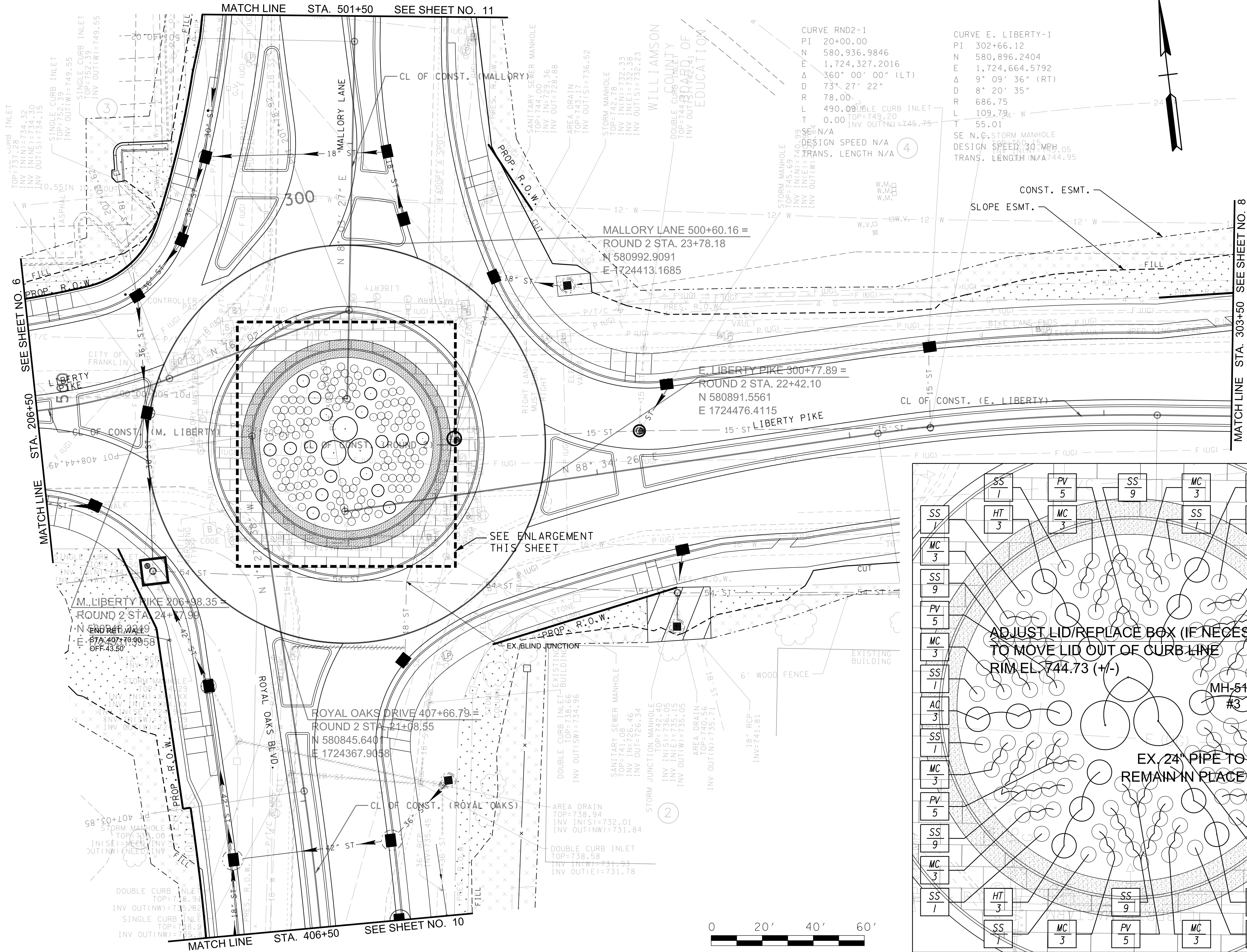
DATE: _____
DESIGNED BY: _____
DRAWN BY: _____
SUPERVISED BY: _____
CHECKED BY: _____

YEAR: 2023

SHEET NO: 2F10



DATE: _____	
DESIGNED BY: _____	
DRAWN BY: _____	
SUPERVISED BY: _____	
CHECKED BY: _____	
YEAR: _____	2023
SHEET NO: 2G	



LIBERTY PIKE / MALLORY LANE ROUNDABOUT PLANTING PLAN

REVISIONS		DESCRIPTION
NO.	DATE	BY

LANDSCAPE PLAN

MALLORY LANE / LIBERTY PIKE
FRANKLIN, TENNESSEE

DATE: _____

DESIGNED BY: _____

DRAWN BY: _____

SUPERVISED BY: _____

CHECKED BY: _____

YEAR: 2023

SHEET NO: 2H

Volkert

BRENTWOOD COMMONS, 750 OLD HICKORY BLVD.
SUITE 230-1, BRENTWOOD, TN 37027
PHONE: (615) 656-1845 FAX: (615) 656-1870

RIGHT - OF - WAY NOTES

- (1) ALL RAMPS MUST CONFORM TO TDOT'S "POLICY ON FINANCING CONSTRUCTION OF PUBLIC ROAD INTERSECTIONS AND DRIVEWAYS ON HIGHWAY RESURFACING, RECONSTRUCTION AND CONSTRUCTION PROJECTS ON NEW LOCATIONS", THE MANUAL ON RULES AND REGULATIONS FOR CONSTRUCTING DRIVEWAYS ON STATE HIGHWAY RIGHT-OF-WAY, TDOT STANDARD DRAWING RP-R-1, AND OTHER ACCEPTED DESIGN AND SAFETY STANDARDS.
- (2) ANY NECESSARY PAVING OF DRIVEWAYS WILL BE DONE DURING PAVING OPERATIONS ON THE MAIN ROADWAY.
- (3) ADDITIONAL DRIVEWAYS AND FIELD ENTRANCES OTHER THAN THOSE PROVIDED IN THE PLANS SHALL REQUIRE A PERMIT ONLY IF THE LOCAL AGENCY SPECIFIES THE NEED FOR THAT PERMIT.

UTILITIES

- (1) THE LOCATIONS OF UTILITIES SHOWN WITHIN THESE PLANS ARE APPROXIMATE ONLY. EXACT LOCATIONS SHALL BE DETERMINED IN THE FIELD BY CONTACTING THE UTILITY COMPANIES INVOLVED. NOTIFICATION BY CALLING THE TENNESSEE ONE CALL SYSTEM, INC., AT 1-800-351-1111 AS REQUIRED BY TCA 65-31-106 WILL BE REQUIRED.
- (2) UNLESS OTHERWISE NOTED, ALL UTILITY ADJUSTMENTS WILL BE PERFORMED BY THE UTILITY OR IT'S REPRESENTATIVE. THE CONTRACTOR AND UTILITY OWNERS WILL BE REQUIRED TO COOPERATE WITH EACH OTHER IN ORDER TO EXPEDITE THE WORK REQUIRED BY THIS CONTRACT. ON CONTRACTS WHERE CONSTRUCTION STAKES, LINES, AND GRADES ARE CONTRACT ITEMS, THE CONTRACTOR WILL BE REQUIRED TO PROVIDE RIGHT-OF-WAY OR SLOPE STAKES, DITCH OR STREAM BED GRADES, OR OTHER ESSENTIAL SURVEY STAKING TO PREVENT CONFLICTS WITH THE HIGHWAY CONSTRUCTION. FREQUENTLY, THIS WILL BE REQUIRED AS THE FIRST ITEM OF WORK AND AT ANY LOCATION ON THE PROJECT DIRECTED BY THE ENGINEER.

- (3) THE CONTRACTOR WILL PROVIDE ALL NECESSARY PROTECTIVE MEASURES TO SAFEGUARD EXISTING UTILITIES FROM DAMAGE DURING CONSTRUCTION OF THIS PROJECT. IN THE EVENT THAT SPECIAL EQUIPMENT IS REQUIRED TO WORK OVER AND AROUND THE UTILITIES, THE CONTRACTOR WILL BE REQUIRED TO FURNISH SUCH EQUIPMENT. THE COST OF PROTECTING UTILITIES FROM DAMAGE AND FURNISHING SPECIAL EQUIPMENT WILL BE INCLUDED IN THE PRICE BID FOR OTHER ITEMS OF CONSTRUCTION.
- (4) PRIOR TO SUBMITTING HIS BID, THE CONTRACTOR WILL BE SOLELY RESPONSIBLE FOR CONTACTING OWNERS OF ALL AFFECTED UTILITIES IN ORDER TO DETERMINE THE EXTENT TO WHICH UTILITY RELOCATIONS AND/OR ADJUSTMENTS WILL HAVE UPON THE SCHEDULE OF WORK FOR THE PROJECT. WHILE SOME WORK MAY BE REQUIRED 'AROUND' UTILITY FACILITIES THAT WILL REMAIN IN PLACE, OTHER UTILITY FACILITIES MAY NEED TO BE ADJUSTED CONCURRENTLY WITH THE CONTRACTOR'S OPERATIONS. ADVANCE CLEAR CUTTING MAY BE REQUIRED BY THE ENGINEER AT ANY LOCATION WHERE CLEARING IS CALLED FOR IN THE SPECIFICATIONS AND CLEAR CUTTING IS NECESSARY FOR A UTILITY RELOCATION. ANY ADDITIONAL COST WILL BE INCLUDED IN THE UNIT PRICE BID FOR THE CLEARING ITEM SPECIFIED IN THE PLANS.
- (5) THE CONSTRCTOR SHALL NOTIFY EACH INDIVIDUAL UTILITY OWNER OF HIS PLAN OF OPERATION IN THE AREA OF THE UTILITIES. PRIOR TO COMMENCING WORK, THE CONTRACTOR SHALL CONTACT THE UTILITY OWNERS, AND REQUEST THEM TO PROPERLY LOCATE THEIR RESPECTIVE UTILITY ON THE GROUND. THIS NOTIFICATION SHALL BE GIVEN AT LEAST THREE (3) BUSINESS DAYS PRIOR TO COMMENCMENT OF OPERATIONS.

UTILITY OWNERS

TELEPHONE:
AT&T
333 COMMERCE ST ROOM 23C142
NASHVILLE, TN 37201
ATTN: KIM BEAN
O: 615-214-7318
C: 615-955-0653
EMAIL: KB1078@att.com

CABLE TV:
COMCAST CABLE/XFINITY
2501 MCGAVOK PIKE
NASHVILLE, TN 37214
ATTN: LARRY K WINBURN
O: 615-244-7462
C: 615-295-9069
EMAIL: larrywinburn@cable.comcast.com

ELECTRIC:
M.T.E.M.C.
555 NEW SALEM RD
MURFREESBORO, TN 37129
ATTN: MATHUE BEAN
O: 615-494-1572
EMAIL: mbean@mtemc.com

WATER:

CITY OF FRANKLIN WATER MANAGEMENT
124 LUMBER DRIVE
FRANKLIN, TN 37064
ATTN: BRIAN GOODWIN
O: 615-794-4554
EMAIL: brian.goodwin@franklin.tn.gov

MALLORY VALLEY UTILITY
465 DULKE DR
FRANKLIN, TN 37067
ATTN: JENNY CLARKE
O: 615-628-0237
C: 615-628-0241
EMAIL: jclarke@mvud.org

GAS:

ATMOS ENERGY
810 CRESCENT CENTRE D
SUITE 600
FRANKLIN, TN 37067
ATTN: ABBY DAVIS
O: 615-771-8369
EMAIL: Abby.Davis@atmosenergy.com

FIBER OPTIC:
CENTURY LINK
1025 ELDORADO BLVD, 43C-420
BROOMFIELD, CO 80021
ATTN: PATRICK PROVOST
O: 720-888-4686
EMAIL: patrick.provost@level3.com

MCI ALSO LISTED ON THE TN ONE
CALL LIST TICKET #200145552.
NO CONTACT INFORMATION FOUND.

CITY OF FRANKLIN IT
109 3RD AVE SOUTH
FRANKLIN, TN 37064
ATTN: MIKE PROCTOR
O:615-550-6604
C:615-289-1036
EMAIL: MikeP@franklin.tn.gov

SANITARY SEWER:
CITY OF FRANKLIN WATER MANAGEMENT
124 LUMBER DRIVE
FRANKLIN, TN 37064
ATTN: BRIAN GOODWIN
O: 615-794-4554
EMAIL: brian.goodwin@franklin.tn.gov

REVISED		DESCRIPTION	
NO	DATE	BY	

Volkert

302 INNOVATION DRIVE, FRANKLIN, TN 37067
PHONE: (615) 656-1845 FAX: (615) 656-1870

R.O.W. NOTES AND UTILITY OWNERS

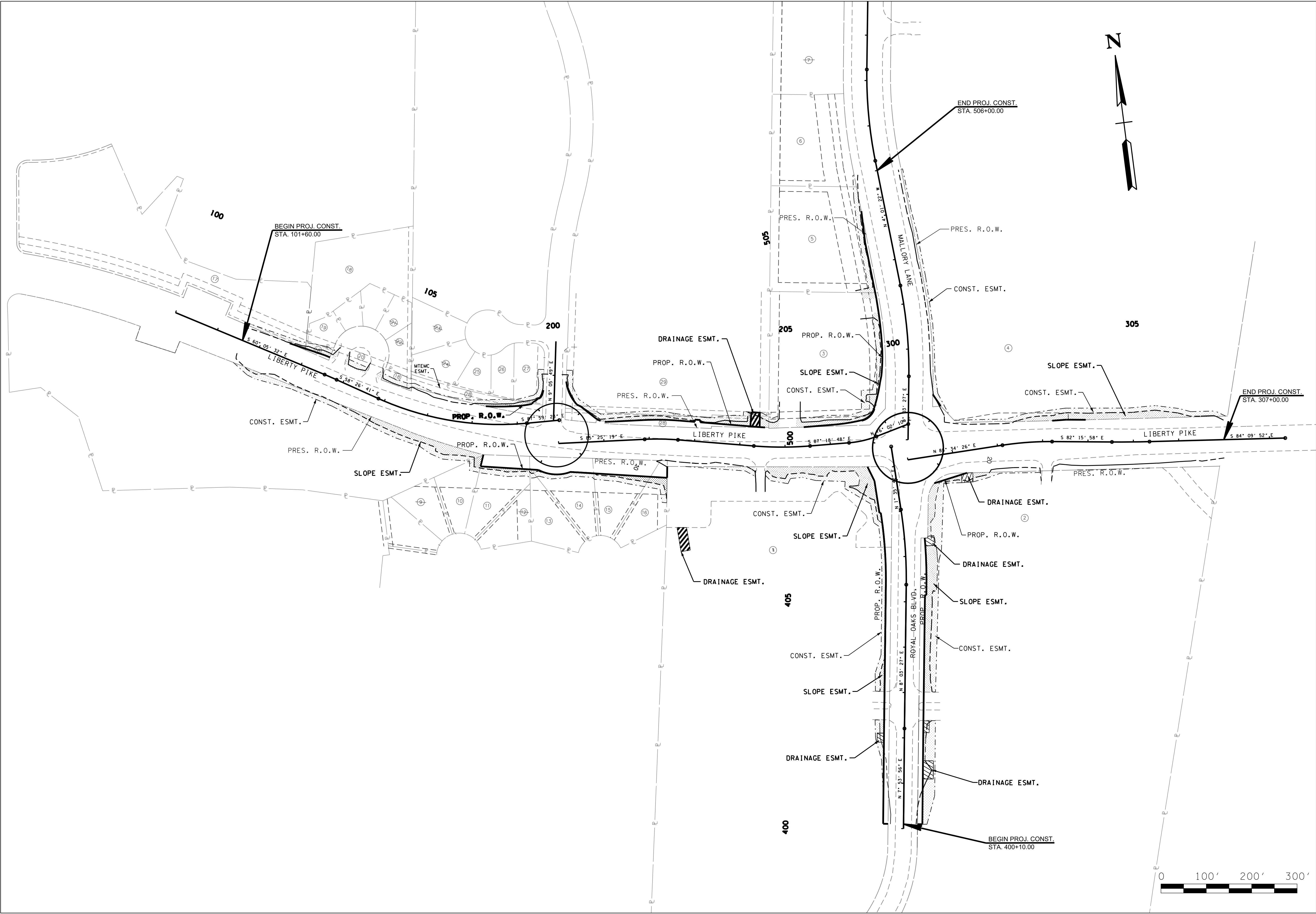
MALLORY LANE / LIBERTY PIKE
FRANKLIN, TENNESSEE

DATE: _____
DESIGNED BY: _____
DRAWN BY: _____
SUPERVISED BY: _____
CHECKED BY: _____

YEAR: 2023

SHEET NO: 3

R.O.W. ACQUISITION TABLE																	
TRACT NO.	PROPERTY OWNERS	COUNTY RECORDS				TOTAL AREA (ACRES)			AREA TO BE ACQUIRED (ACRES)			AREA REMAINING (ACRES)		EASEMENT (SQ. FT.)			
		TAX MAP NO.	PARCEL NO.	DEED DOCUMENT REFERENCE		LEFT	RIGHT	TOTAL	LEFT	RIGHT	TOTAL	LEFT	RIGHT	PERMANENT DRAINAGE	SLOPE	CONSTRUCTION	UTILITY
				BOOK	PAGE												
1	Viera Holdings LLC	079C	2	5856	888	13.924		13.924	0.178		0.178	13.746		1375	6174	9591	10530
2	Viera Holdings LLC	079C	1	5856	888		22.244	22.244		0.155	0.155		2157	6409	10722		
3	NS Retail Holdings, LLC	79	36.1	7881	819	1.700		1.700		0.085	0.085	1.7	1.615	3716	4441	18110	
4	Williamson County Board of Education	79	36.06				52.200	52.200		0.001	0.001	52.199		4901	8736		
5	D & G Ventures, Inc.	62	32.05	3557	870	1.142		1.142	0.033		0.033	1.109		776	2232	1866	
6	SXL Holdings LLC	62	32.04	8858	515	0.790		0.790				0.79			127		
7	Jeremy Lyon and Melanie Lyon	62	32.03	7881	760	3.080		3.080				3.080					
8	Liberty Hills Homeowners Association	079	71	1334	658		5.610	5.610				5.610		4212	5854		
9	Shirley Ha and Campe Wong	079B	36				0.190	0.190				0.190					
10	Becky B. Gutierrez	079B	34	8441	375		0.232	0.232				0.232			369		
11	Kenneth Eric Cowans	079B	33	4769	938		0.357	0.357	0.066	0.066		0.291	1159	671			
12	Labyrinthia C. Rowcey and Emily Rowcey	079C	32	7977	743		0.210	0.210				0.210					
13	David K. Horvath and Regina L. Horvath	079C	19	6974	302		0.261	0.261		0.001	0.001		0.260		45	128	
14	David K. Horvath and Regina L. Horvath	079C	18	7142	306		0.378	0.378		0.108	0.108		0.270		107	1189	
15	Michael R. Florek & Andrew P. Sanborn	079C	17	6467	389		0.360	0.360		0.110	0.110		0.250			514	
16	Jennifer Rose Gelvin and Bruce Patrick Fitzhugh	079C	16	7445	216		0.257	0.257		0.220	0.220		0.037		701	752	
17	Cheswicke Farm East Section 5 and 6 HOA, Inc.	062O	47	3495	758	2.150		2.150	0.001		0.001	2.149		1111	136		
18	Andover Homeowners Association	062O	7	7384	603	0.822		0.822	0.007		0.007	0.815		663	1249	1419	
19	Dean Dixon and Joanie Dixon	079B	1	6848	565	0.628		0.628				0.628				95	
20	Andover Homeowners Association	079B	6	7384	603	0.242		0.242				0.242		524	403		
21	Russell Vandersteeg and Angela D. Vandersteeg	079B	4	6072	372	0.107		0.107				0.107					
22	Elizabeth M. Campbell	079B	5	7041	295	0.111		0.111				0.111					
23	George Bradford Burgett & Farrah Burgett	079B	26	6046	631	0.222		0.222				0.222					
24	Nancy P. Bowron and Glenn Bowron Jr.	079B	27	7336	154	0.212		0.212				0.212					
25	Scott Macintosh Foland	079B	28	7976	804	0.119		0.119				0.119				105	
26	Taylor Paige Maxwell	079C	29	7315	953	0.124		0.124				0.124				258	
27	Johnathan Robert Webber and Katelyn Marie Webber	079C	30	7592	223	0.170		0.170	0.115		0.115	0.055		246	1007	317	
28	Radnor Homes, Inc.	079C	31	1431	142	0.258		0.258	0.154		0.154	0.104		3054	4183	4818	
29	Townhomes of Andover Homeowners Association	062N	1	1656	510	14.256		14.256	0.019		0.019	14.237	150	2128	235	3431	



REVISIONS		DESCRIPTION	
NO	DATE	BY	

Volkert

302 INNOVATION DRIVE, FRANKLIN, TN 37067
PHONE: (615) 656-1845 FAX: (615) 656-1870

PROPERTY MAP

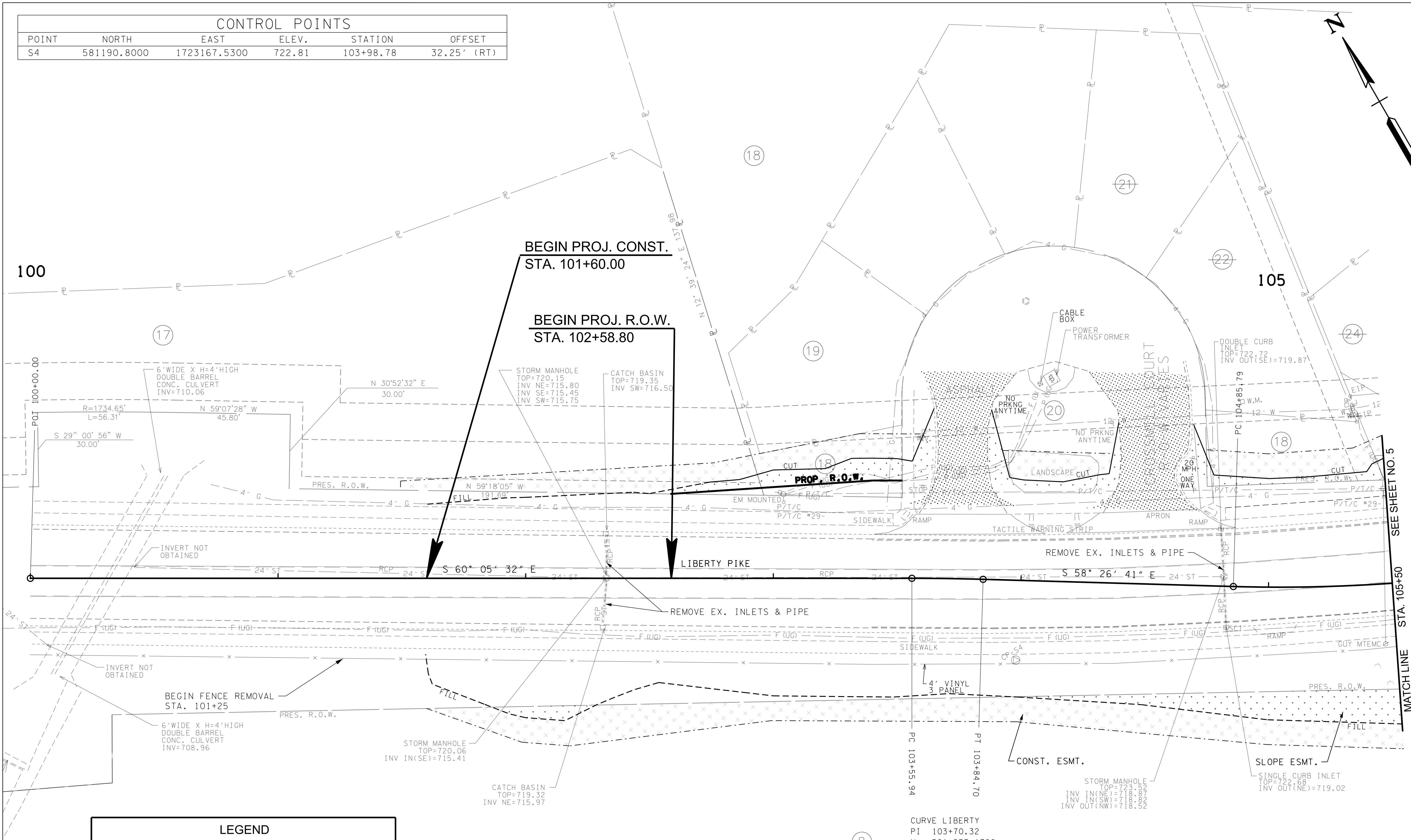
MALLORY LANE / LIBERTY PIKE
FRANKLIN, TENNESSEE

DATE: _____
DESIGNED BY: _____
DRAWN BY: _____
SUPERVISED BY: _____
CHECKED BY: _____

YEAR: 2023

SHEET NO: 3B

CONTROL POINTS					
POINT	NORTH	EAST	ELEV.	STATION	OFFSET
S4	581190.8000	1723167.5300	722.81	103+98.78	32.25' (RT)



LEGEND	
PROPOSED RIGHT-OF-WAY	PROP. R.O.W.
SLOPE EASEMENT	
CONSTRUCTION EASEMENT	
DRAINAGE EASEMENT	

CURVE LIBERTY
PI 103+70.32
N 581,233.1780
E 1,723,160.1583
Δ 1° 38' 51" (RT)
D 5° 43' 46"
R 1,000.00
L 28.76
T 14.38
SE N.C.
DESIGN SPEED 30 MPH
TRANS. LENGTH N/A



REVISIONS		DESCRIPTION	
NO	DATE	BY	

Volkert

BRENTWOOD COMMONS, 750 OLD HICKORY BLVD.
SUITE 230-1, BRENTWOOD, TN 37027
PHONE: (615) 656-1845 FAX: (615) 656-1870

PRESENT LAYOUT

MALLORY LANE / LIBERTY PIKE
FRANKLIN, TENNESSEE

DATE: _____

DESIGNED BY: _____

DRAWN BY: _____

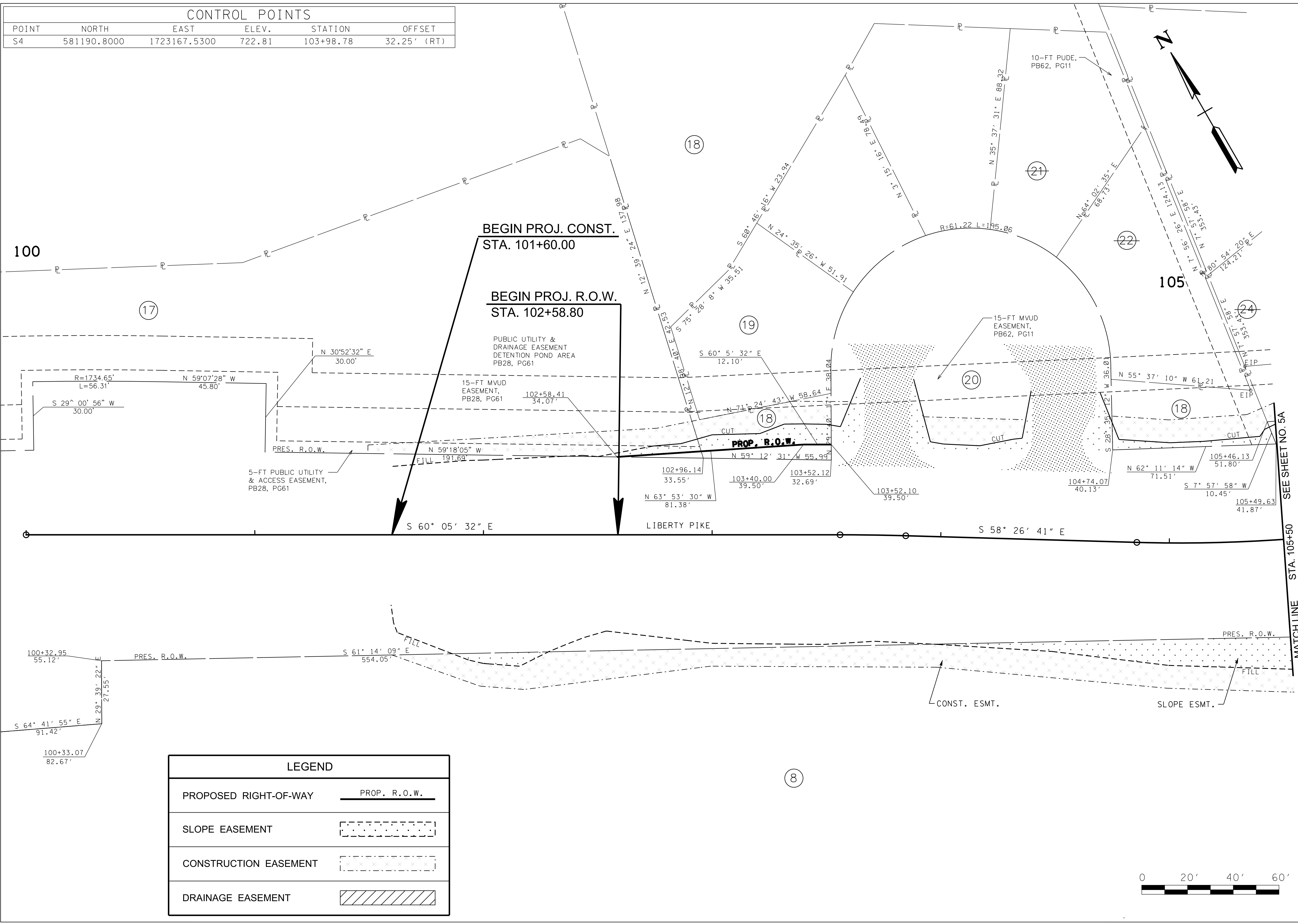
SUPERVISED BY: _____

CHECKED BY: _____

YEAR: 2023

SHEET NO: 4

CONTROL POINTS					
POINT	NORTH	EAST	ELEV.	STATION	OFFSET
S4	581190.8000	1723167.5300	722.81	103+98.78	32.25' (RT)



REVISIONS		DESCRIPTION	
NO	DATE	BY	

Volkert

BRENTWOOD COMMONS, 750 OLD HICKORY BLVD.
SUITE 230-1, BRENTWOOD, TN 37027
PHONE: (615) 656-1845 FAX: (615) 656-1870

R.O.W. DETAILS

MALLORY LANE / LIBERTY PIKE
FRANKLIN, TENNESSEE

DATE: _____

DESIGNED BY: _____

DRAWN BY: _____

SUPERVISED BY: _____

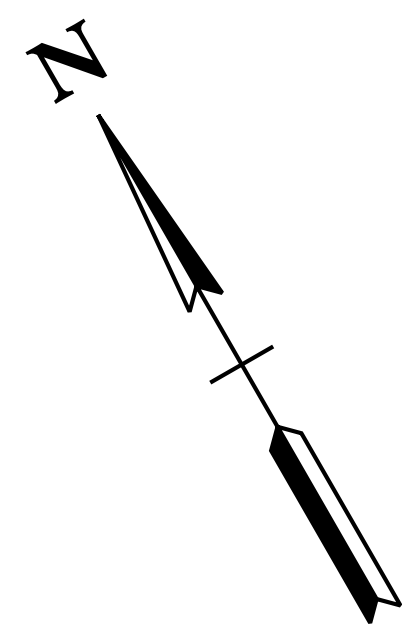
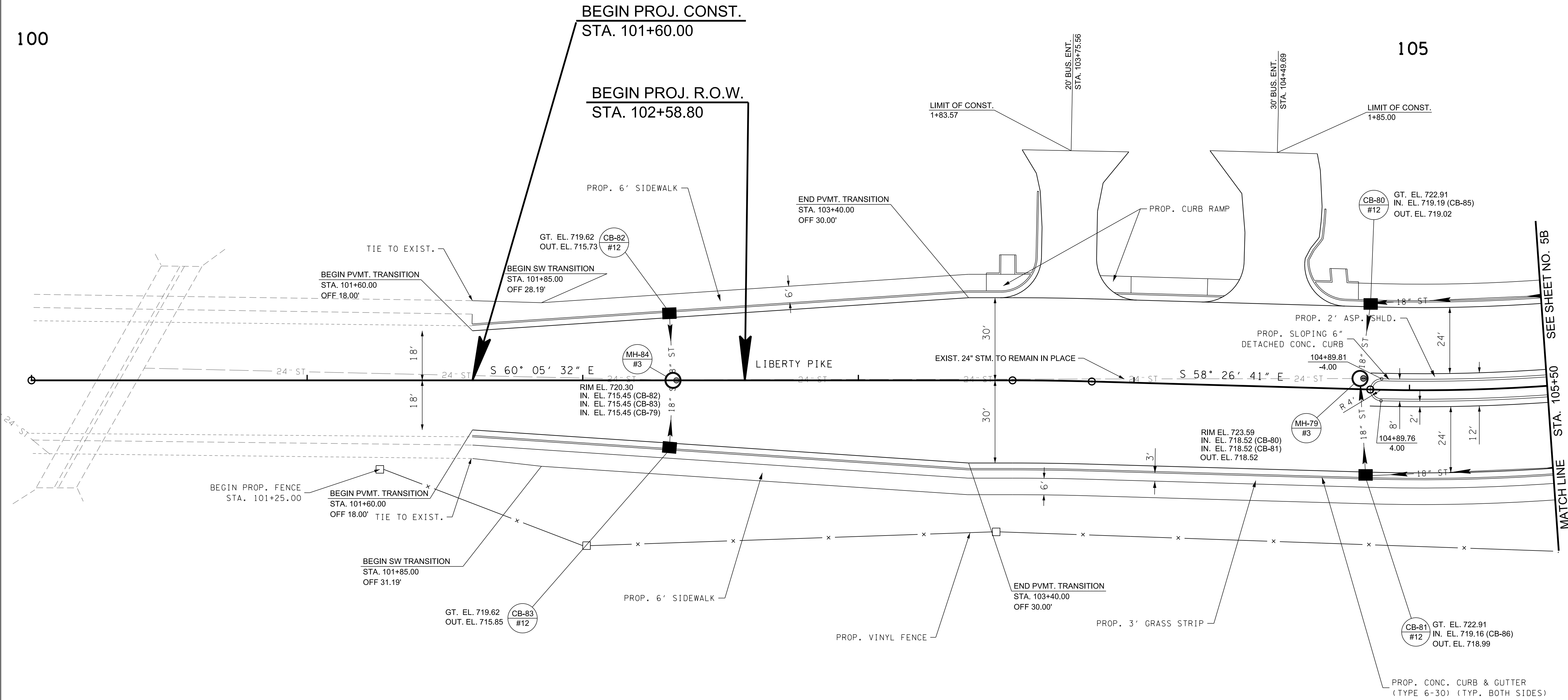
CHECKED BY: _____

YEAR: 2023

SHEET NO: 4A

100

105



REVISIONS		DESCRIPTION	
NO	DATE	BY	

Volkert

BRENTWOOD COMMONS, 750 OLD HICKORY BLVD.
SUITE 230-1, BRENTWOOD, TN 37027
PHONE: (615) 656-1845 FAX: (615) 656-1870

PROPOSED LAYOUT

MALLORY LANE / LIBERTY PIKE
FRANKLIN, TENNESSEE

DATE: _____

DESIGNED BY: _____

DRAWN BY: _____

SUPERVISED BY: _____

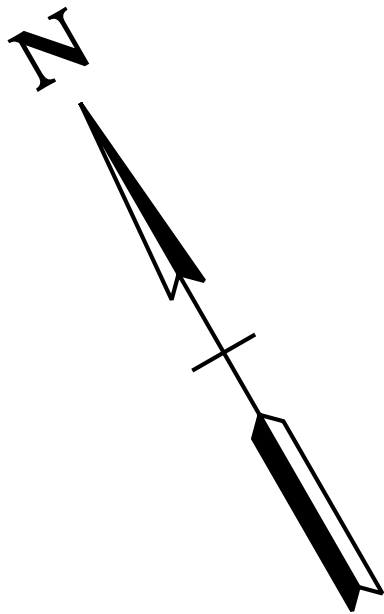
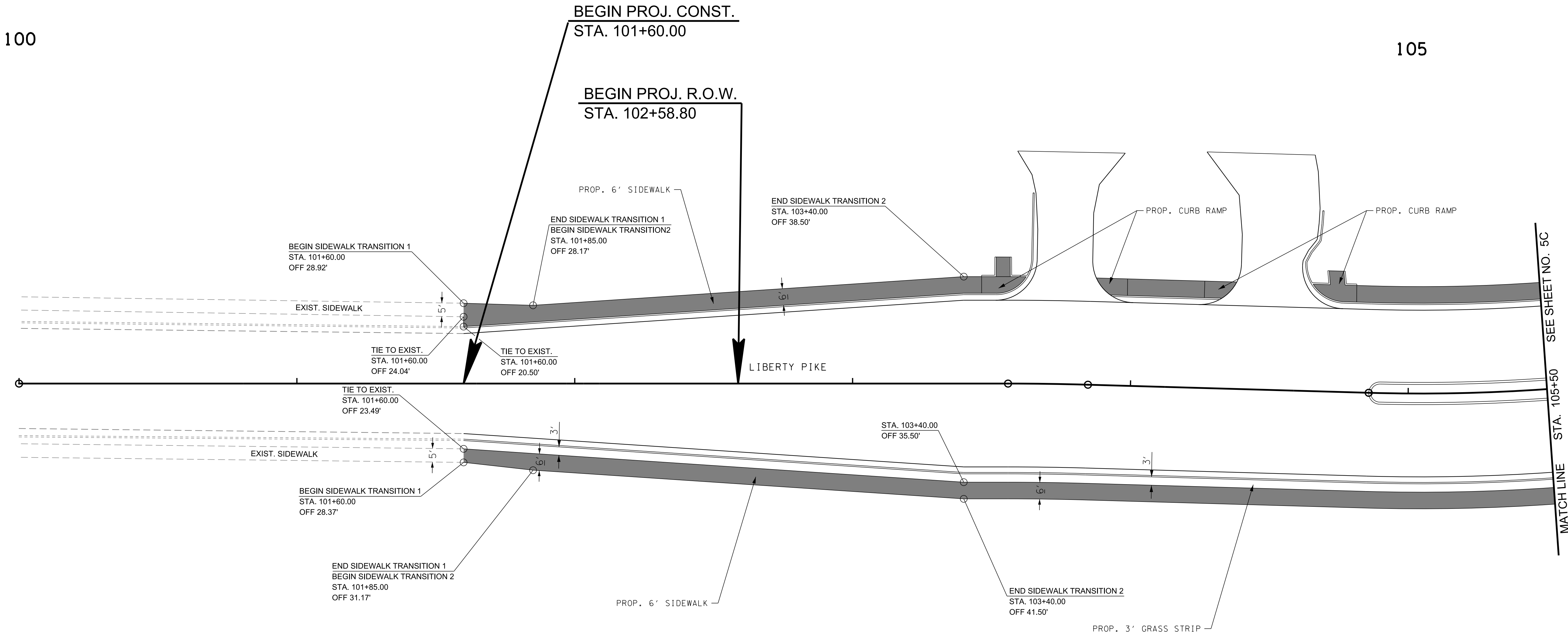
CHECKED BY: _____

YEAR: 2023

SHEET NO: 4B

100

105



REVISIONS		DESCRIPTION	
NO	DATE	BY	

Volkert

BRENTWOOD COMMONS, 750 OLD HICKORY BLVD.
SUITE 230-1, BRENTWOOD, TN 37027
PHONE: (615) 656-1845 FAX: (615) 656-1870

PROPOSED SIDEWALK LAYOUT

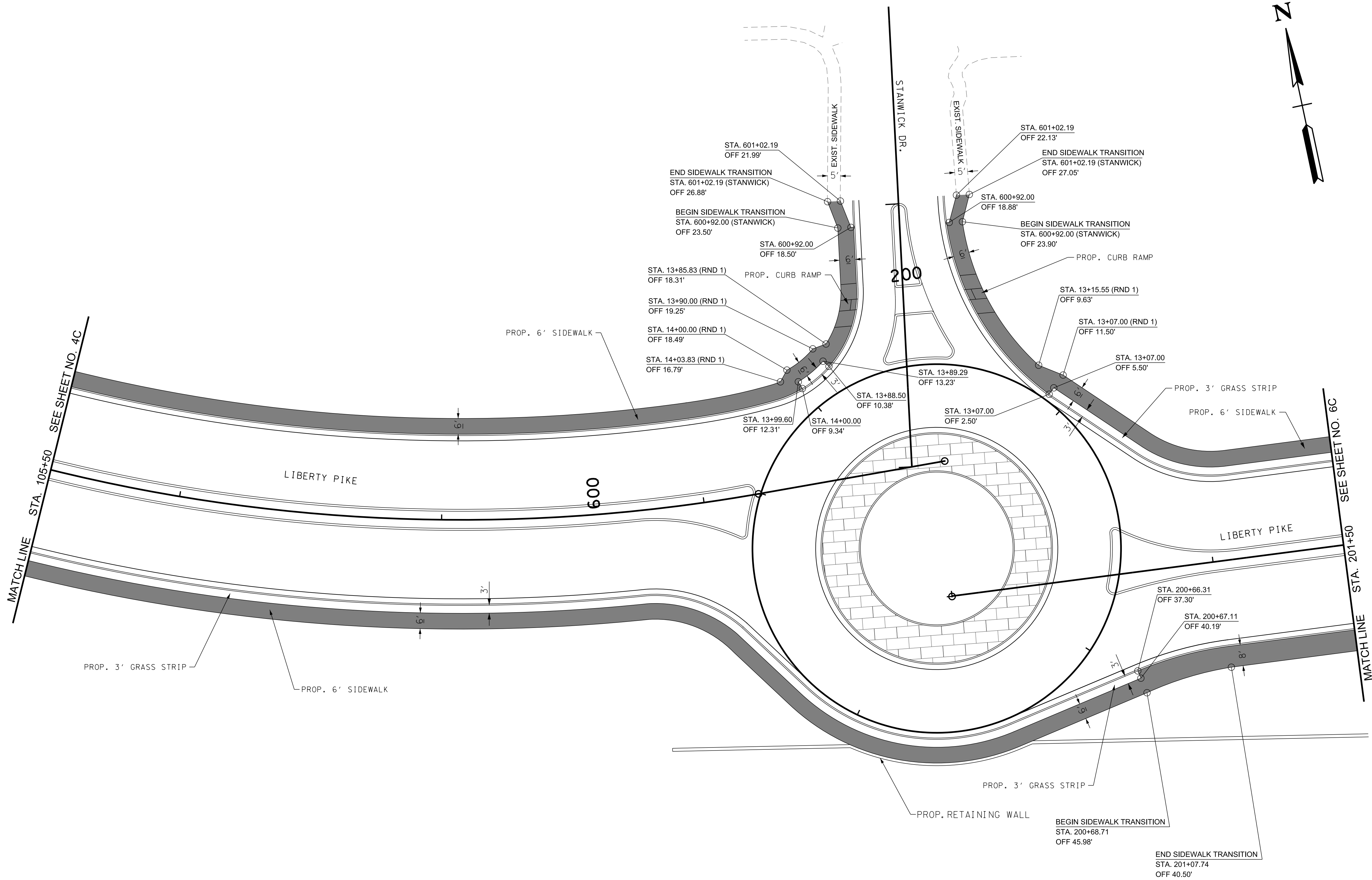
MALLORY LANE / LIBERTY PIKE
FRANKLIN, TENNESSEE

DATE: _____
DESIGNED BY: _____
DRAWN BY: _____
SUPERVISED BY: _____
CHECKED BY: _____

YEAR: 2023

SHEET NO: 4C





REVISIONS		DESCRIPTION	
NO	DATE	BY	

Volkert

BRENTWOOD COMMONS, 750 OLD HICKORY BLVD.
SUITE 230-1, BRENTWOOD, TN 37027
PHONE: (615) 656-1845 FAX: (615) 656-1870

PROPOSED SIDEWALK LAYOUT

MALLORY LANE / LIBERTY PIKE
FRANKLIN, TENNESSEE

DATE: _____

DESIGNED BY: _____

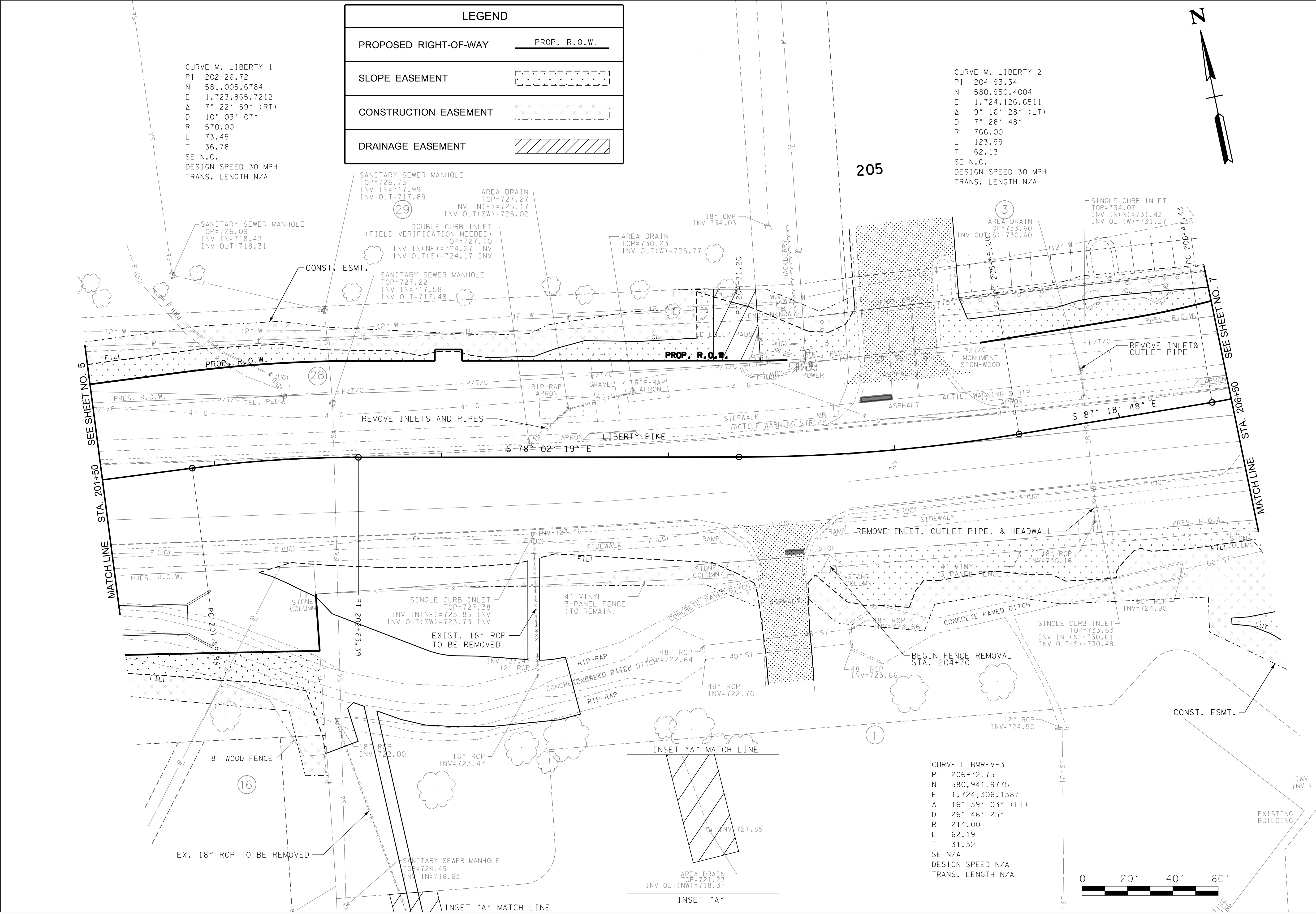
DRAWN BY: _____

SUPERVISED BY: _____

CHECKED BY: _____

YEAR: 2023

SHEET NO:5C



REVISIONS		DESCRIPTION
NO	DATE	BY

Volkert

BRENTWOOD COMMONS, 750 OLD HICKORY BLVD.
SUITE 230-1, BRENTWOOD, TN 37027
PHONE: (615) 656-1845 FAX: (615) 656-1870

PRESENT LAYOUT

MALLORY LANE / LIBERTY PIKE
FRANKLIN, TENNESSEE

DATE: _____

DESIGNED BY: _____

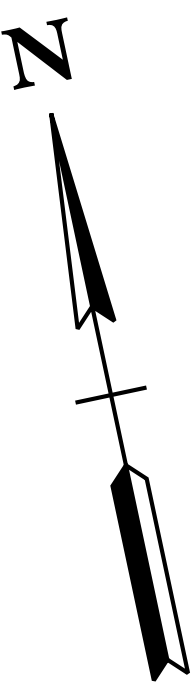
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SUPERVISED BY: _____

CHECKED BY: _____

YEAR: 2023

SHEET NO: 6

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VOLKERT

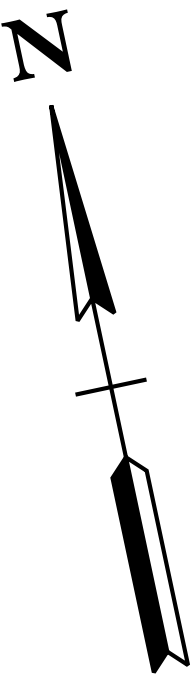
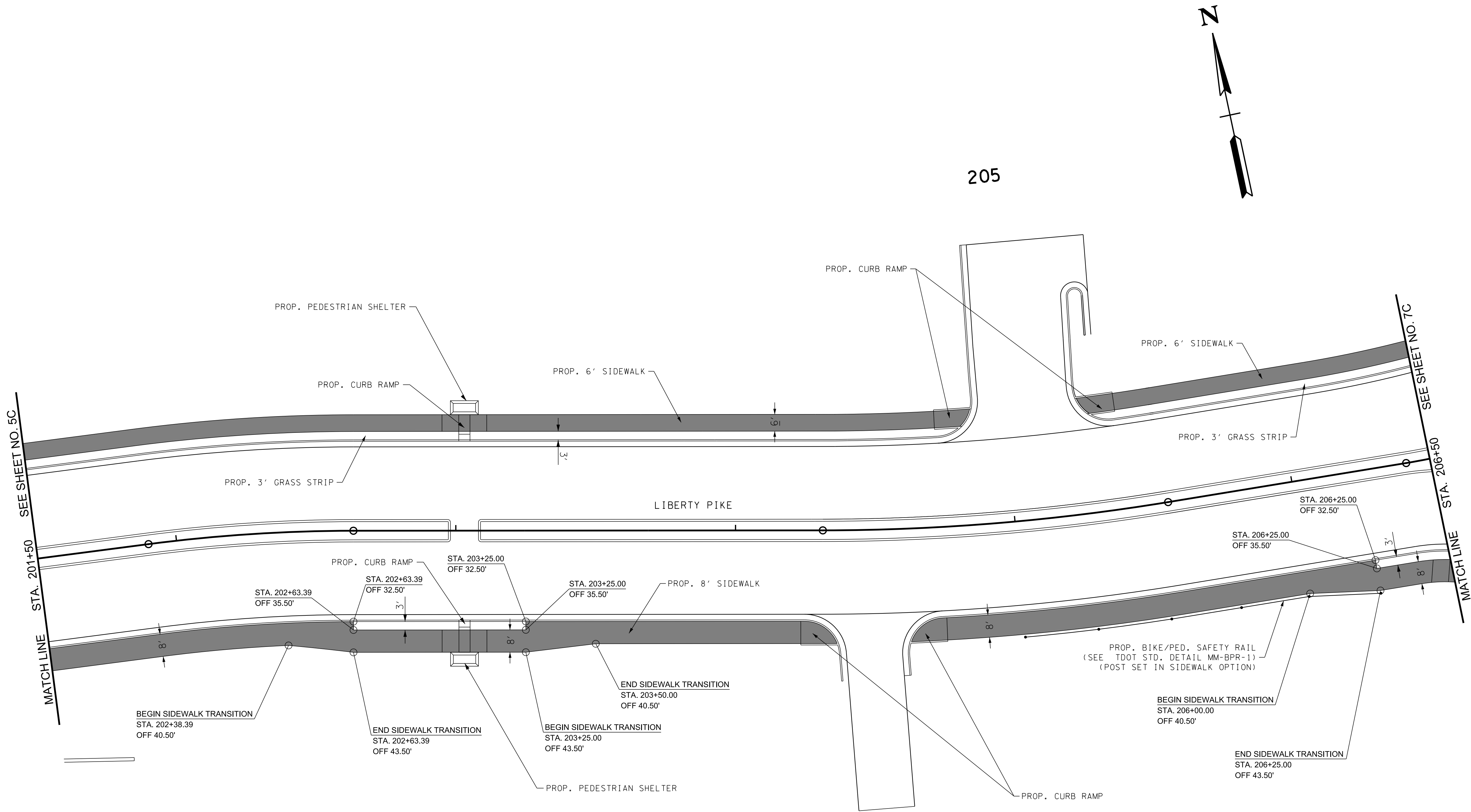
PROPOSED LAYOUT

MALLORY LANE / LIBERTY PIKE
FRANKLIN, TENNESSEE

DATE: _____
DESIGNED BY: _____
DRAWN BY: _____
SUPERVISED BY: _____
CHECKED BY: _____

YEAR: 2023

SHEET NO: 6B



REVISIONS		DESCRIPTION	
NO	DATE	BY	

Volkert

BRENTWOOD COMMONS, 750 OLD HICKORY BLVD.
SUITE 230-1, BRENTWOOD, TN 37027
PHONE: (615) 656-1845 FAX: (615) 656-1870

PROPOSED SIDEWALK LAYOUT

MALLORY LANE / LIBERTY PIKE
FRANKLIN, TENNESSEE

DATE: _____

DESIGNED BY: _____

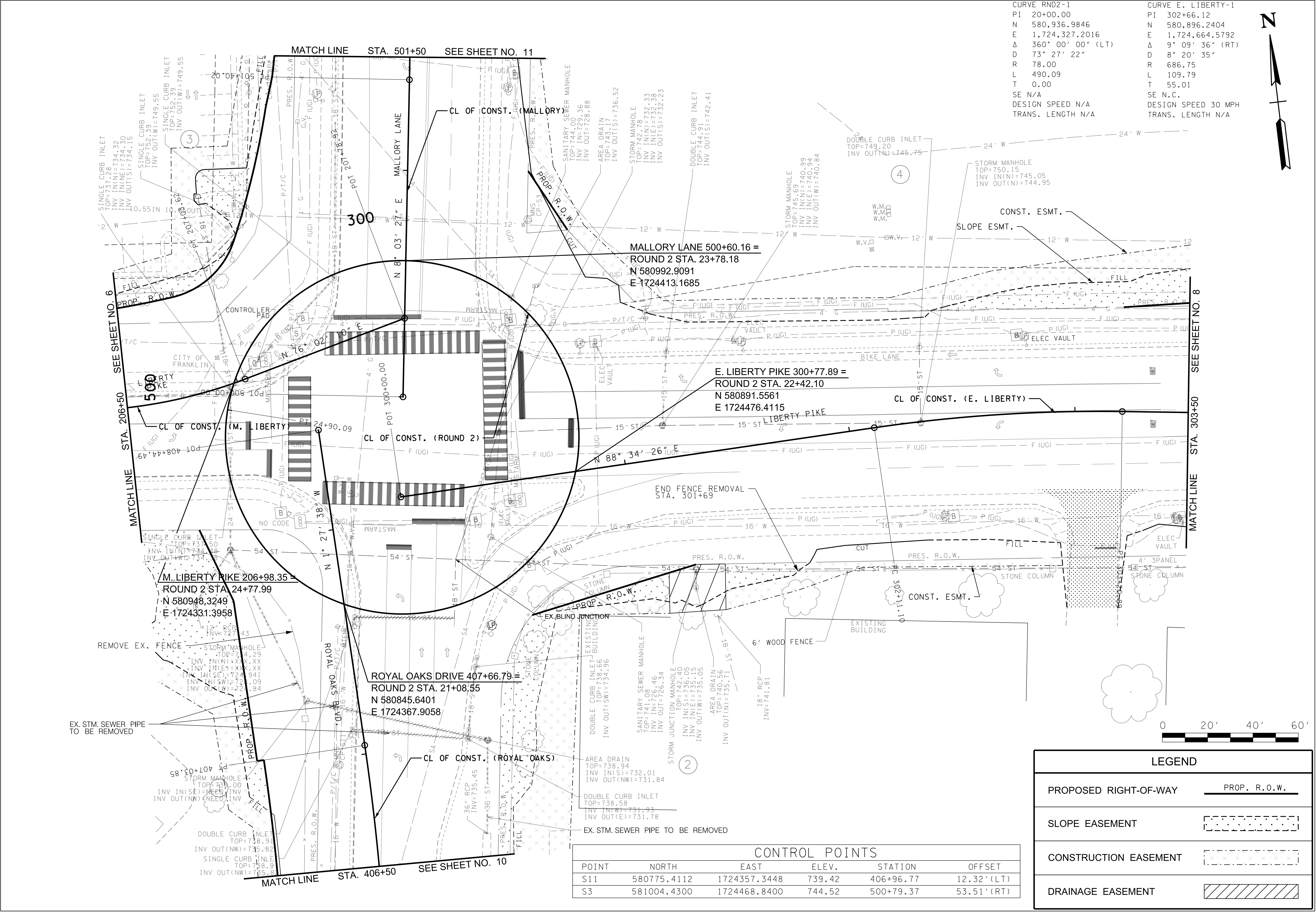
DRAWN BY: _____

SUPERVISED BY: _____

CHECKED BY: _____

YEAR: 2023

SHEET NO: 6C



Volkert

PRESENT LAYOUT

MALLERY LANE / LIBERTY PIKE
FRANKLIN, TENNESSEE

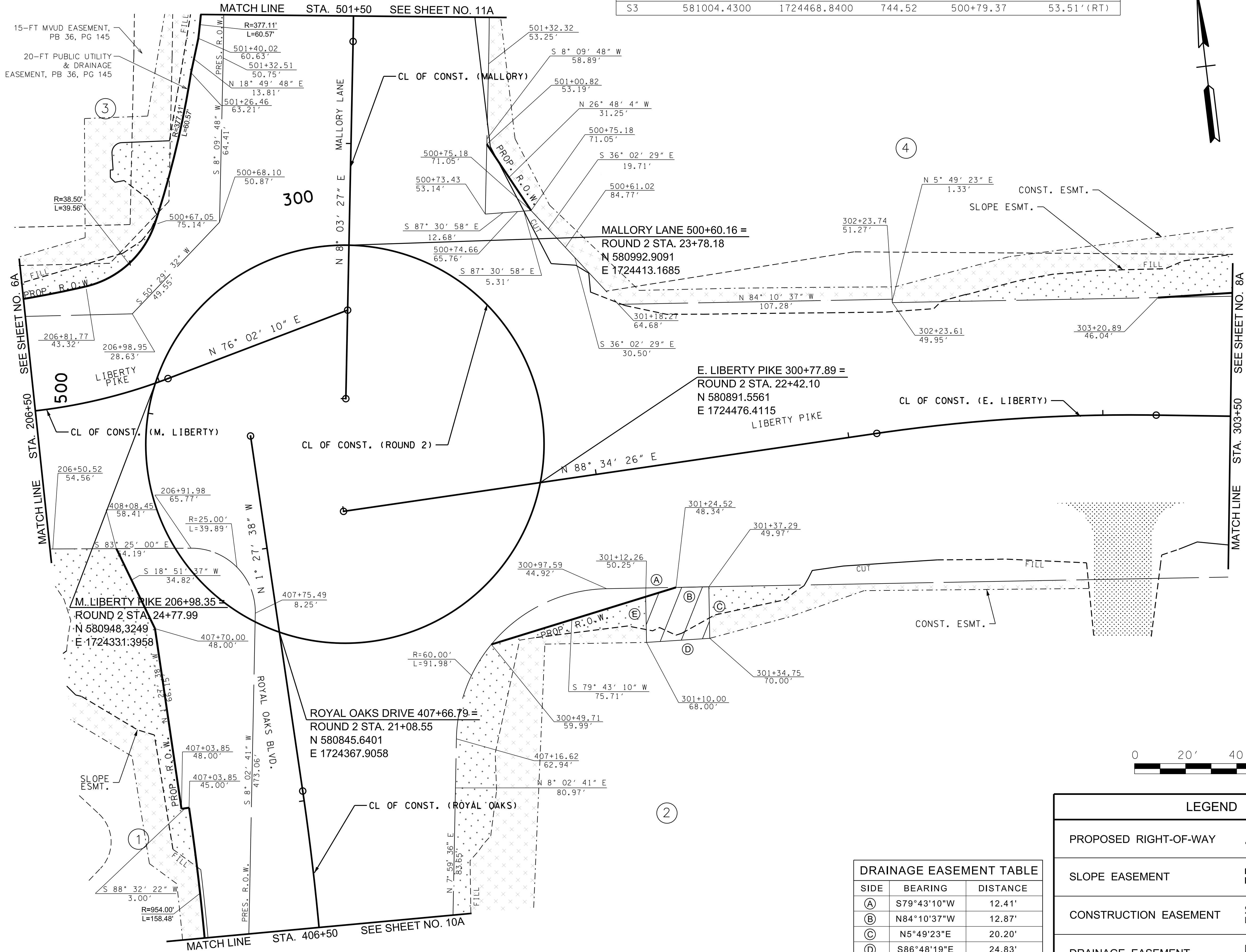
BRENTWOOD COMMONS, 750 OLD HICKORY BLVD.
SUITE 230-1, BRENTWOOD, TN 37027
PHONE: (615) 656-1845 FAX: (615) 656-1870

DATE: _____
DESIGNED BY: _____
DRAWN BY: _____
SUPERVISED BY: _____
CHECKED BY: _____

YEAR: 2023

SHEET NO: 7

Page 315 of 634



CONTROL POINTS					
POINT	NORTH	EAST	ELEV.	STATION	OFFSET
S11	580775.4112	1724357.3448	739.42	406+96.77	12.32' (LT)
S3	581004.4300	1724468.8400	744.52	500+79.37	53.51' (RT)

DRAINAGE EASEMENT TABLE		
SIDE	BEARING	DISTANCE
(A)	S79°43'10"W	12.41'
(B)	N84°10'37"W	12.87'
(C)	N5°49'23"E	20.20'
(D)	S86°48'19"E	24.83'
(E)	N5°49'23"E	17.89'

LEGEND	
PROPOSED RIGHT-OF-WAY	<u>PROP. R.O.W.</u>
SLOPE EASEMENT	[Dashed Box]
CONSTRUCTION EASEMENT	[Dotted Box]
DRAINAGE EASEMENT	[Hatched Box]

REVISIONS

NO	DATE	BY	DESCRIPTION

Volkert

BRENTWOOD COMMONS, 750 OLD HICKORY BLVD.
SUITE 230-1, BRENTWOOD, TN 37027
PHONE: (615) 656-1845 FAX: (615) 656-1870

R.O.W. DETAILS

MALLERY LANE / LIBERTY PIKE
FRANKLIN, TENNESSEE

DATE: _____

DESIGNED BY: _____

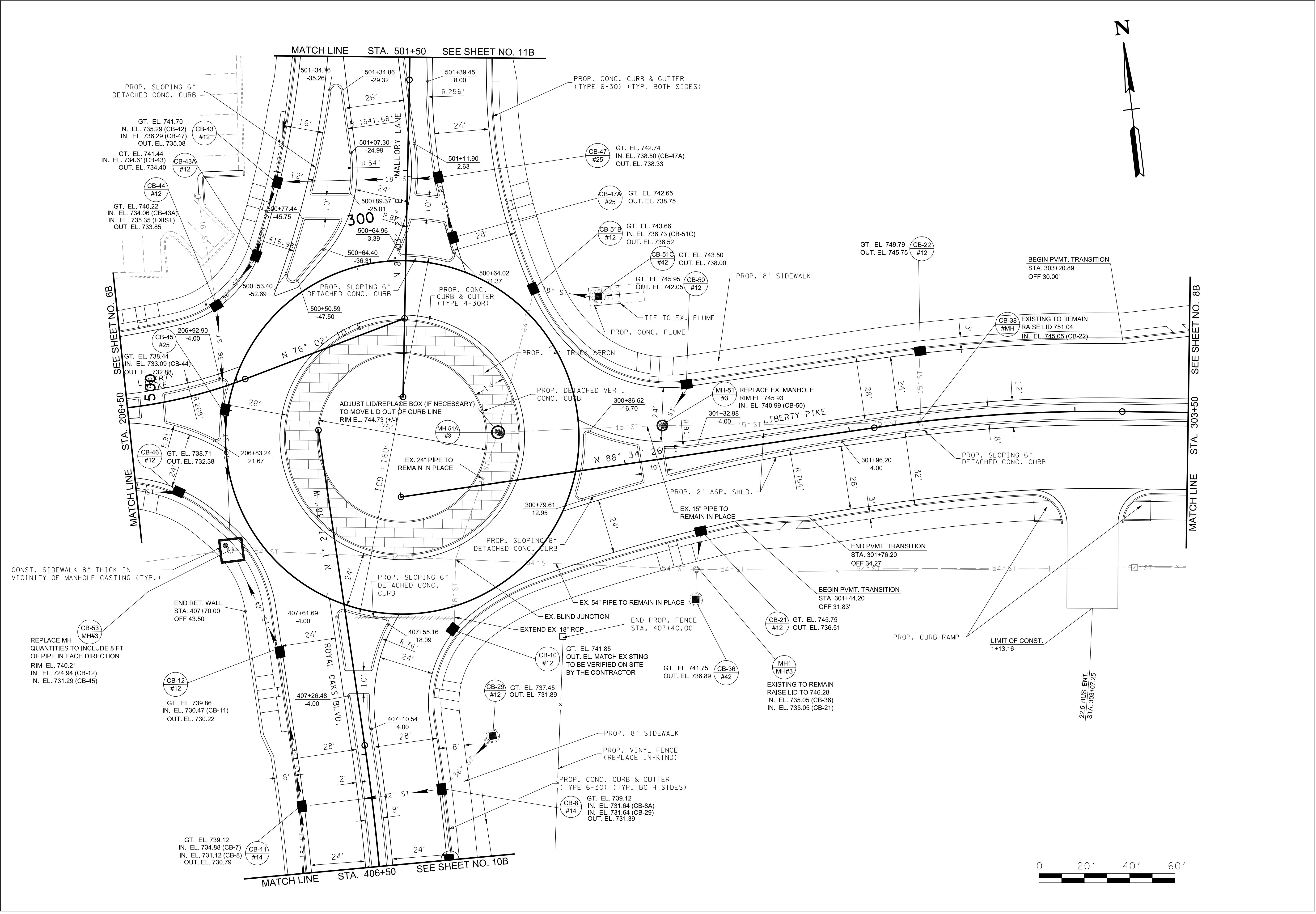
DRAWN BY: _____

SUPERVISED BY: _____

CHECKED BY: _____

YEAR: 2023

SHEET NO: 7A



REVISIONS		DESCRIPTION	
NO.	DATE	BY	

PROPOSED LAYOUT

MALLERY LANE / LIBERTY PIKE
FRANKLIN, TENNESSEE

Volkert

BRENTWOOD COMMONS, 750 OLD HICKORY BLVD.
SUITE 230-1, BRENTWOOD, TN 37027
PHONE: (615) 656-1845 FAX: (615) 656-1870

DATE: _____

DESIGNED BY: _____

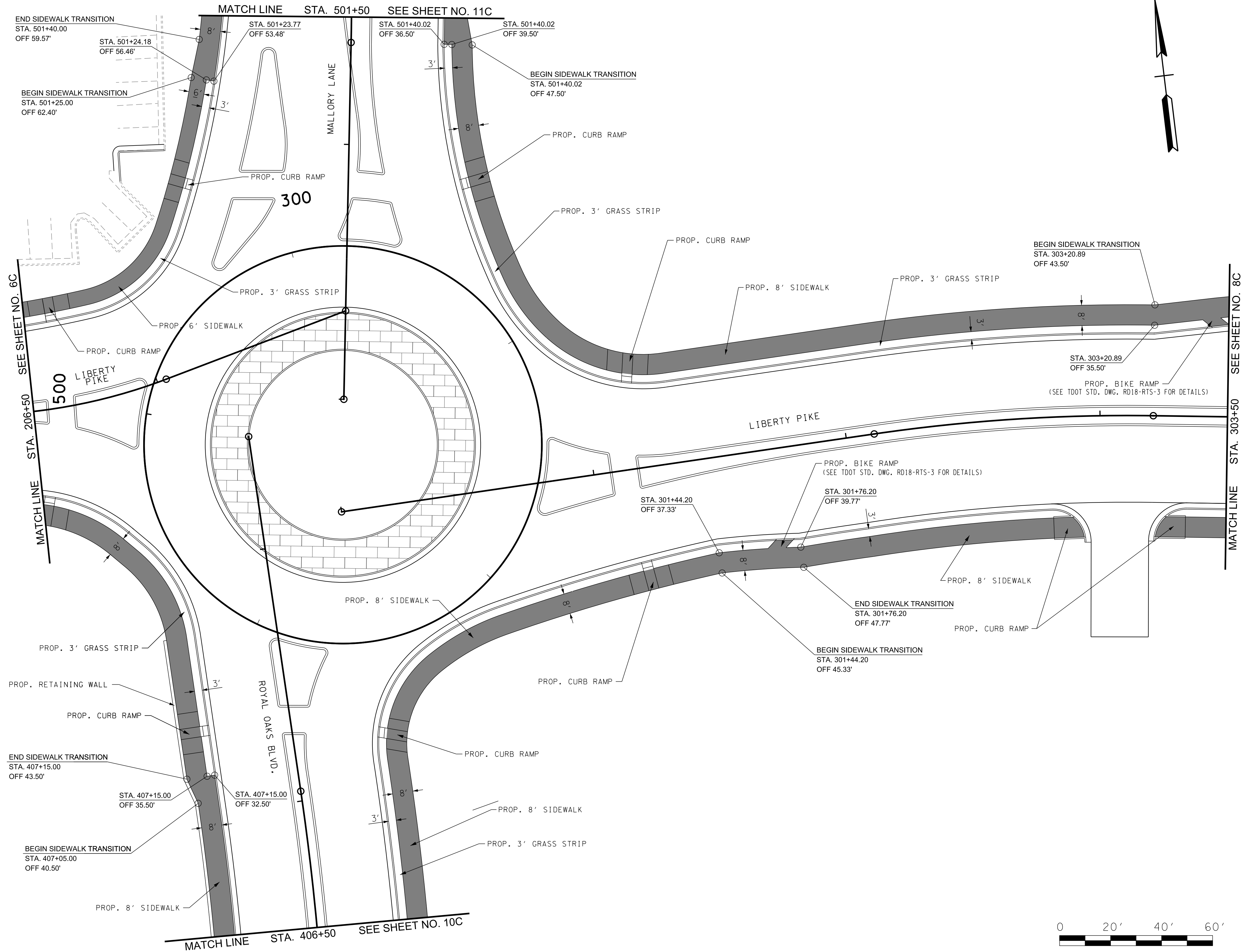
DRAWN BY: _____

SUPERVISED BY: _____

CHECKED BY: _____

YEAR: 2023

SHEET NO: 7B



REVISIONS		DESCRIPTION	
NO	DATE	BY	

Volkert

BRENTWOOD COMMONS, 750 OLD HICKORY BLVD.
SUITE 230-1, BRENTWOOD, TN 37027
PHONE: (615) 656-1845 FAX: (615) 656-1870

PROPOSED SIDEWALK LAYOUT

MALLORY LANE / LIBERTY PIKE
FRANKLIN, TENNESSEE

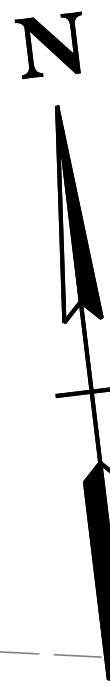
DATE: _____
DESIGNED BY: _____
DRAWN BY: _____
SUPERVISED BY: _____
CHECKED BY: _____

YEAR: 2023

SHEET NO: 7C

CONTROL POINTS					
POINT	NORTH	EAST	ELEV.	STATION	OFFSET
S7	580834.4100	1724845.6700	757.86	304+53.63	36.90' (RT)

CURVE E. LIBERTY-2
PI 304+94.24
N 580,865.5097
E 1,724,890.8612
Δ 1° 53' 54" (LT)
D 2° 17' 31"
R 2,500.00
L 82.83
T 41.42
SE N.C.
DESIGN SPEED 30 MPH
TRANS. LENGTH N/A



REVISIONS		DESCRIPTION	
NO	DATE	BY	

Volkert

BRENTWOOD COMMONS, 750 OLD HICKORY BLVD.
SUITE 230-1, BRENTWOOD, TN 37027
PHONE: (615) 656-1845 FAX: (615) 656-1870

PRESENT LAYOUT

MALLORY LANE / LIBERTY PIKE
FRANKLIN, TENNESSEE

DATE: _____

DESIGNED BY: _____

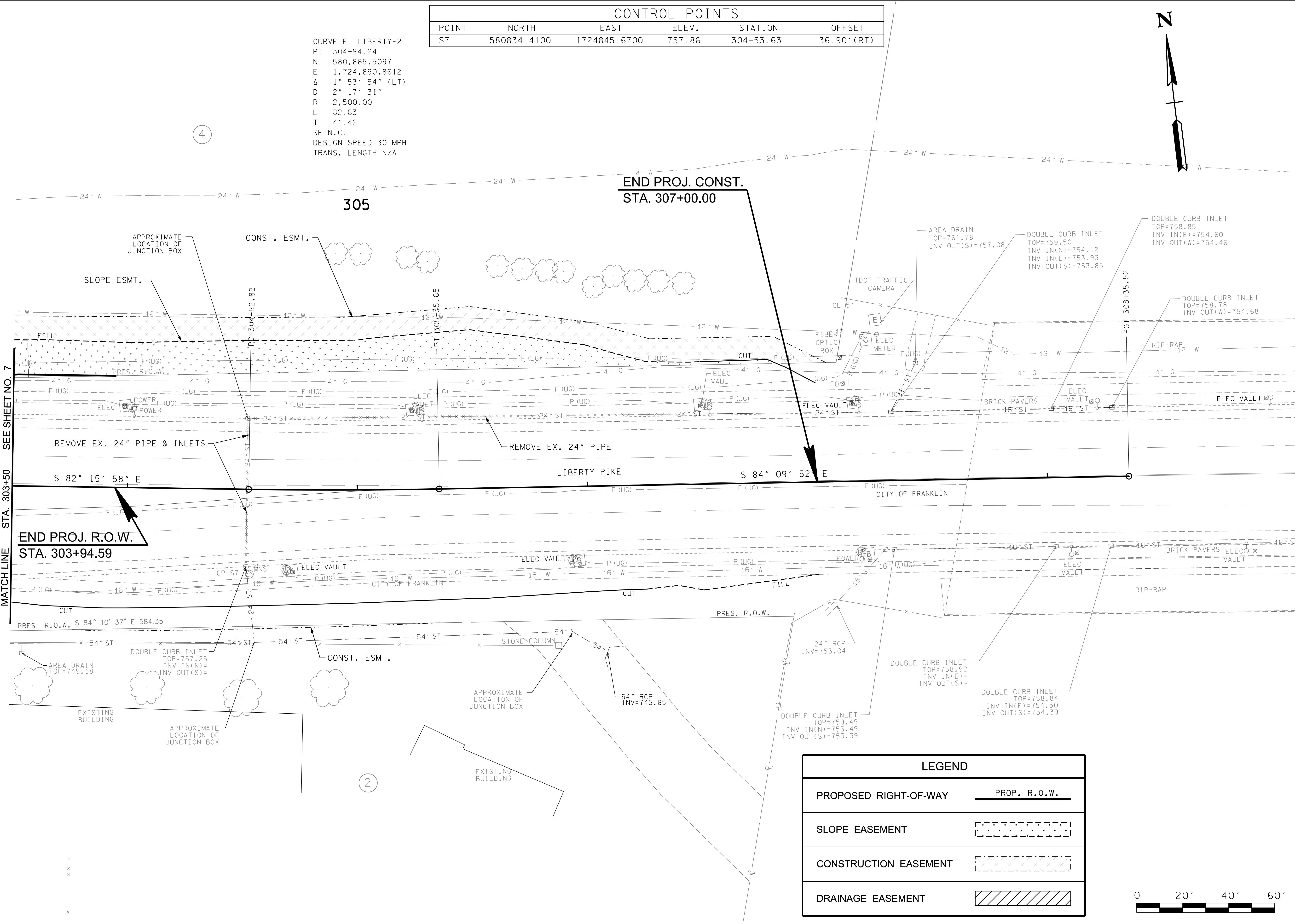
DRAWN BY: _____

SUPERVISED BY: _____

CHECKED BY: _____

YEAR: 2023

SHEET NO: 8



LEGEND	
PROPOSED RIGHT-OF-WAY	<u>PROP. R.O.W.</u>
SLOPE EASEMENT	
CONSTRUCTION EASEMENT	
DRAINAGE EASEMENT	



[illegible]

VOLKERT

BRENTWOOD COMMONS, 750 OLD HICKORY BLVD.
SUITE 230-1, BRENTWOOD, TN 37027
PHONE: (615) 656-1845 FAX: (615) 656-1870



DATE: _____

DESIGNED BY: _____

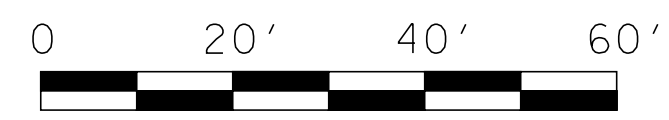
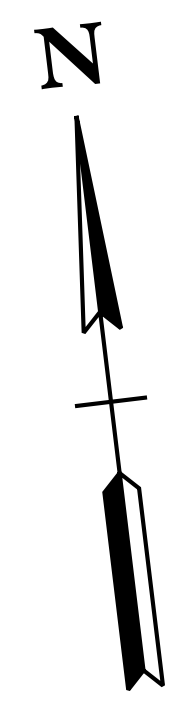
DRAWN BY: _____

SUPERVISED BY: _____

CHECKED BY: _____

YEAR: 2023

SHEET NO: 8A

[illegible]

VOLKERT

BRENTWOOD COMMONS, 750 OLD HICKORY BLVD.
SUITE 230-1, BRENTWOOD, TN 37027
PHONE: (615) 656-1845 FAX: (615) 656-1870

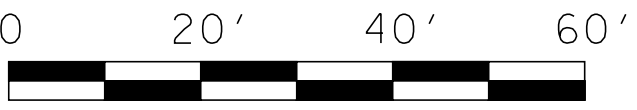
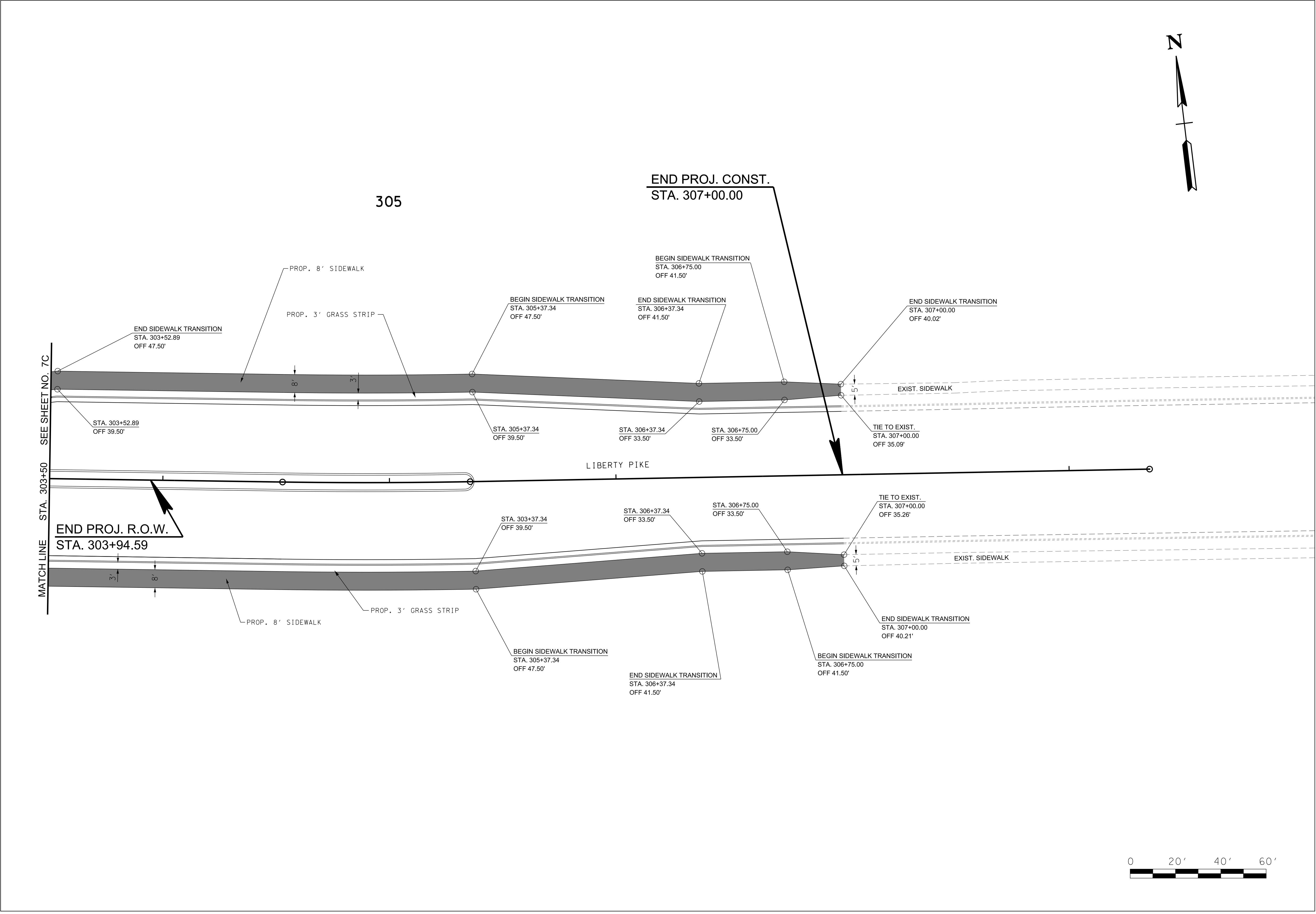
PROPOSED LAYOUT

MALLORY LANE / LIBERTY PIKE
FRANKLIN, TENNESSEE

DATE: _____
DESIGNED BY: _____
DRAWN BY: _____
SUPERVISED BY: _____
CHECKED BY: _____

YEAR: 2023

SHEET NO: 8B



REVISIONS		DESCRIPTION	
NO	DATE	BY	

Volkert

BRENTWOOD COMMONS, 750 OLD HICKORY BLVD.
SUITE 230-1, BRENTWOOD, TN 37027
PHONE: (615) 656-1845 FAX: (615) 656-1870

PROPOSED SIDEWALK LAYOUT

MALLORY LANE / LIBERTY PIKE
FRANKLIN, TENNESSEE

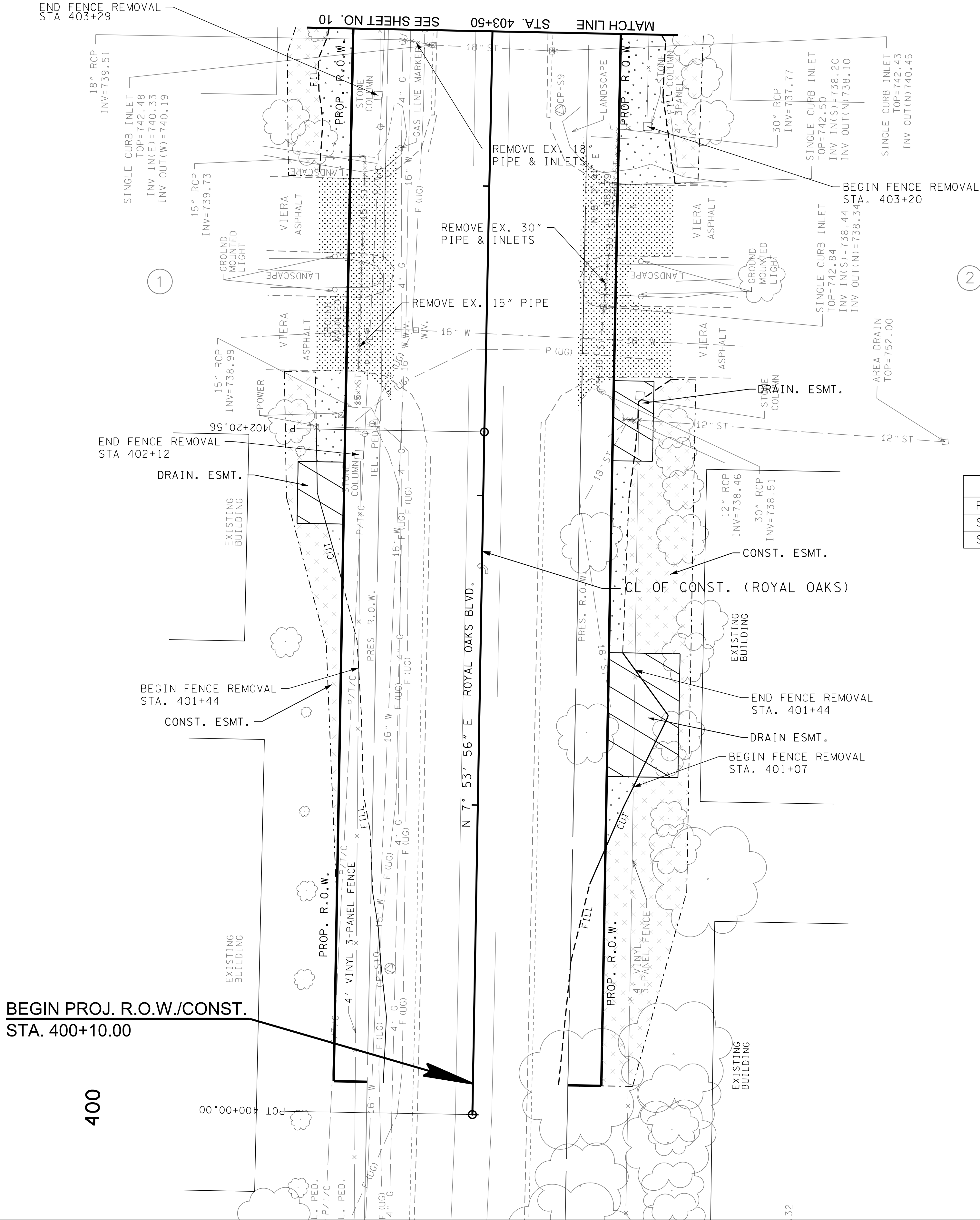
DATE: _____
DESIGNED BY: _____
DRAWN BY: _____
SUPERVISED BY: _____
CHECKED BY: _____

YEAR: 2023

SHEET NO: 8C

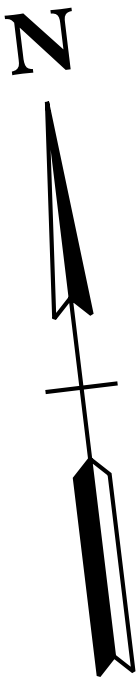
BEGIN PROJ. R.O.W./CONST.
STA. 400+10.00

400



CONTROL POINTS					
POINT	NORTH	EAST	ELEV.	STATION	OFFSET
S10	580134.5715	1724264.4589	-	400+46.69	27.41' (LT)
S9	580403.3300	1724352.3900	-	403+25.04	22.46' (RT)

LEGEND	
PROPOSED RIGHT-OF-WAY	PROP. R.O.W.
SLOPE EASEMENT	
CONSTRUCTION EASEMENT	
DRAINAGE EASEMENT	



REVISIONS	
NO	DESCRIPTION

Volkert

BRENTWOOD COMMONS, 750 OLD HICKORY BLVD.
SUITE 230-1, BRENTWOOD, TN 37027
PHONE: (615) 656-1845 FAX: (615) 656-1870

PRESENT LAYOUT

MALLORY LANE / LIBERTY PIKE
FRANKLIN, TENNESSEE

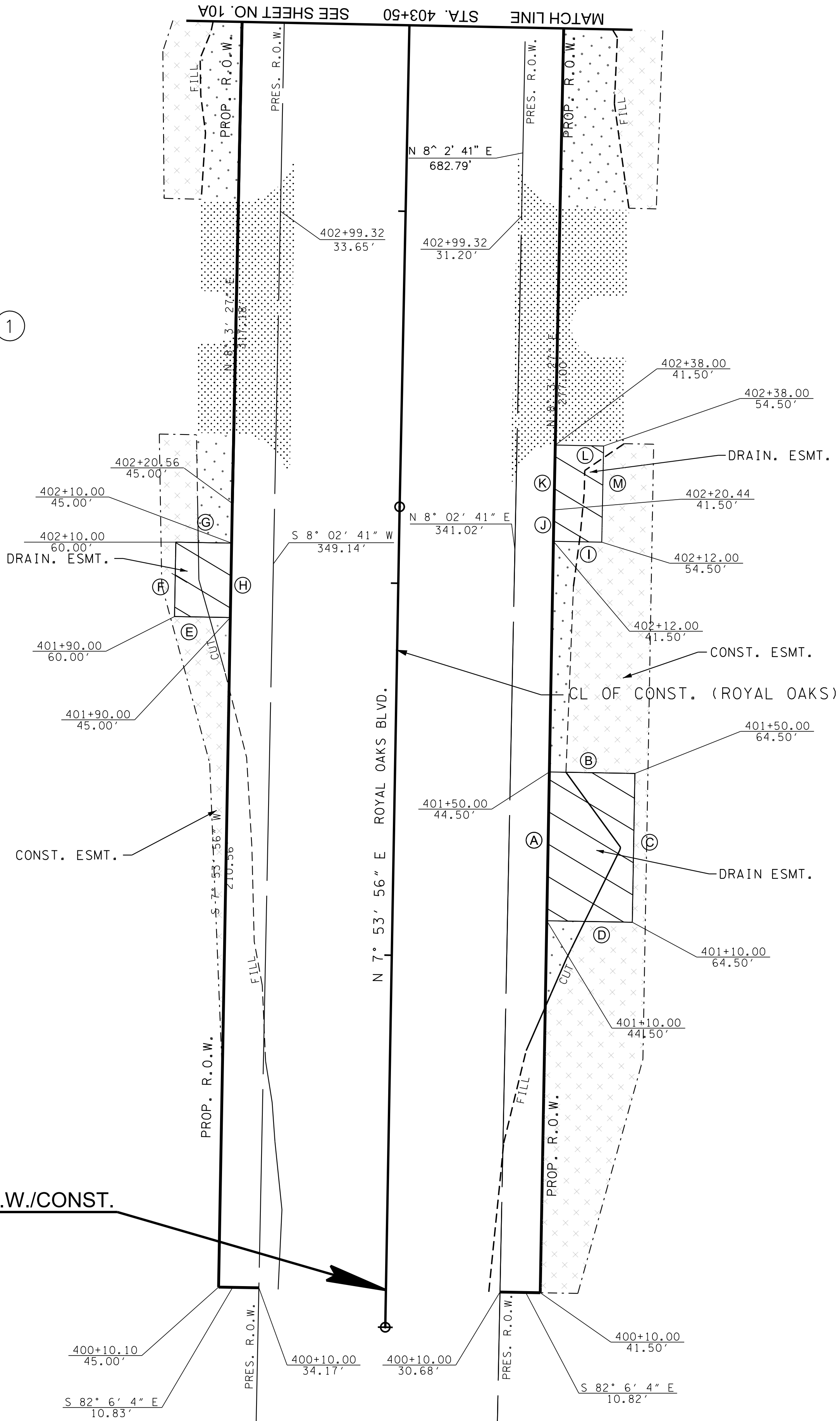
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DESIGNED BY: _____
DRAWN BY: _____
SUPERVISED BY: _____
CHECKED BY: _____

YEAR: 2023

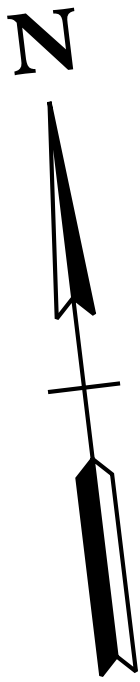
SHEET NO: 9

BEGIN PROJ. R.O.W./CONST.
STA. 400+10.00

400



CONTROL POINTS					
POINT	NORTH	EAST	ELEV.	STATION	OFFSET
S10	580134.5715	1724264.4589	-	400+46.69	27.41' (LT)
S9	580403.3300	1724352.3900	-	403+25.04	22.46' (RT)



SIDE	BEARING	DISTANCE
(A)	S7°53'56"W	40.00'
(B)	N82°6'4"W	23.00'
(C)	S7°53'56"W	40.00'
(D)	N82°6'4"W	23.00'
(E)	N82°6'4"W	15.00'
(F)	S7°53'56"W	20.00'
(G)	N82°6'4"W	15.00'
(H)	S7°53'56"W	20.00'
(I)	N82°6'4"W	13.00'
(J)	S7°53'56"W	8.44'
(K)	N8°3'27"E	17.44'
(L)	S81°56'33"E	13.00'
(M)	S8°0'20"W	25.85'



LEGEND	
PROPOSED RIGHT-OF-WAY	PROP. R.O.W.
SLOPE EASEMENT	
CONSTRUCTION EASEMENT	
DRAINAGE EASEMENT	

REVISIONS

NO	DATE	BY	DESCRIPTION

Volkert

BRENTWOOD COMMONS, 750 OLD HICKORY BLVD.
SUITE 230-1, BRENTWOOD, TN 37027
PHONE: (615) 656-1845 FAX: (615) 656-1870

R.O.W. DETAILS

MALLORY LANE / LIBERTY PIKE
FRANKLIN, TENNESSEE

DATE: _____

DESIGNED BY: _____

DRAWN BY: _____

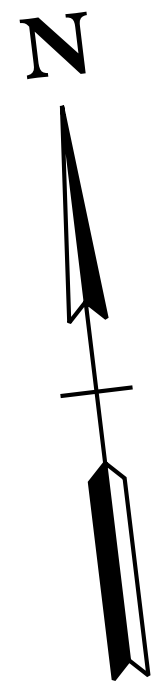
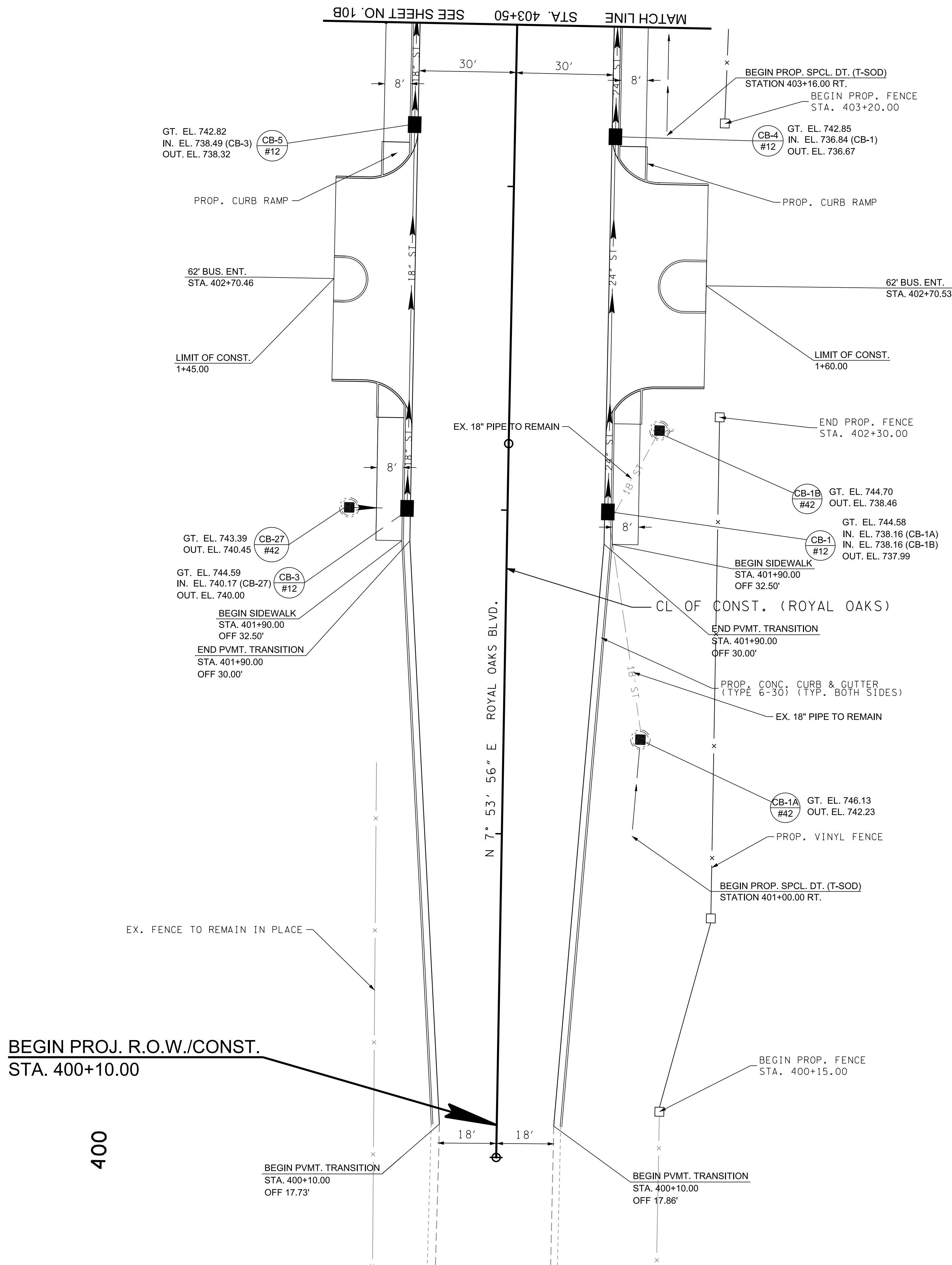
SUPERVISED BY: _____

CHECKED BY: _____

YEAR: 2023

SHEET NO: 9A

Page 324 of 634



REVISIONS		DESCRIPTION	
NO	DATE	BY	

Volkert
BRENTWOOD COMMONS, 750 OLD HICKORY BLVD.
SUITE 230-1, BRENTWOOD, TN 37027
PHONE: (615) 656-1845 FAX: (615) 656-1870

PROPOSED LAYOUT
MALLORY LANE / LIBERTY PIKE
FRANKLIN, TENNESSEE

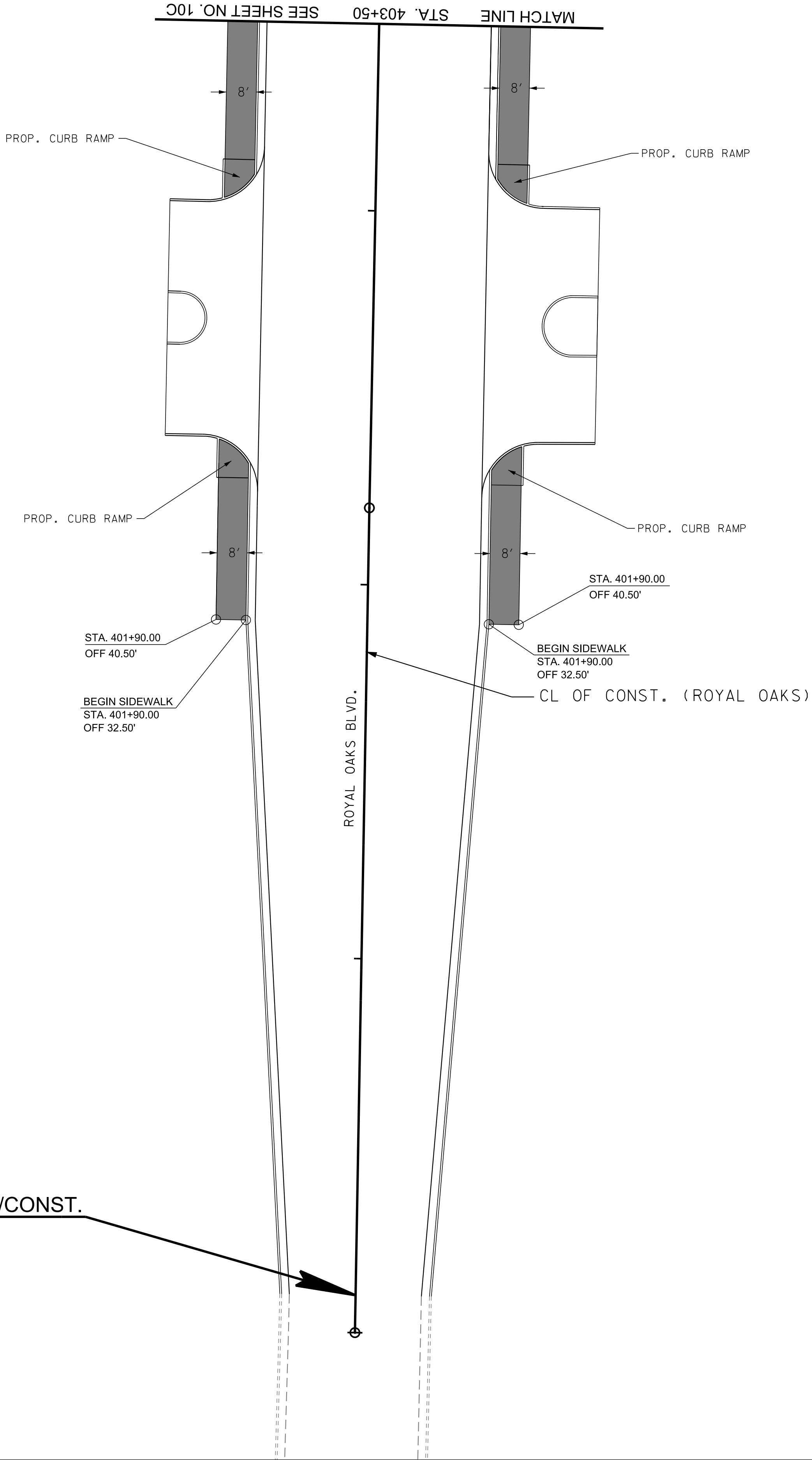
DATE: _____
DESIGNED BY: _____
DRAWN BY: _____
SUPERVISED BY: _____
CHECKED BY: _____

YEAR: 2023

SHEET NO: 9B

BEGIN PROJ. R.O.W./CONST.
STA. 400+10.00

400



DATE: _____
DESIGNED BY: _____
DRAWN BY: _____
SUPERVISED BY: _____
CHECKED BY: _____

YEAR: 2023

SHEET NO: 9C

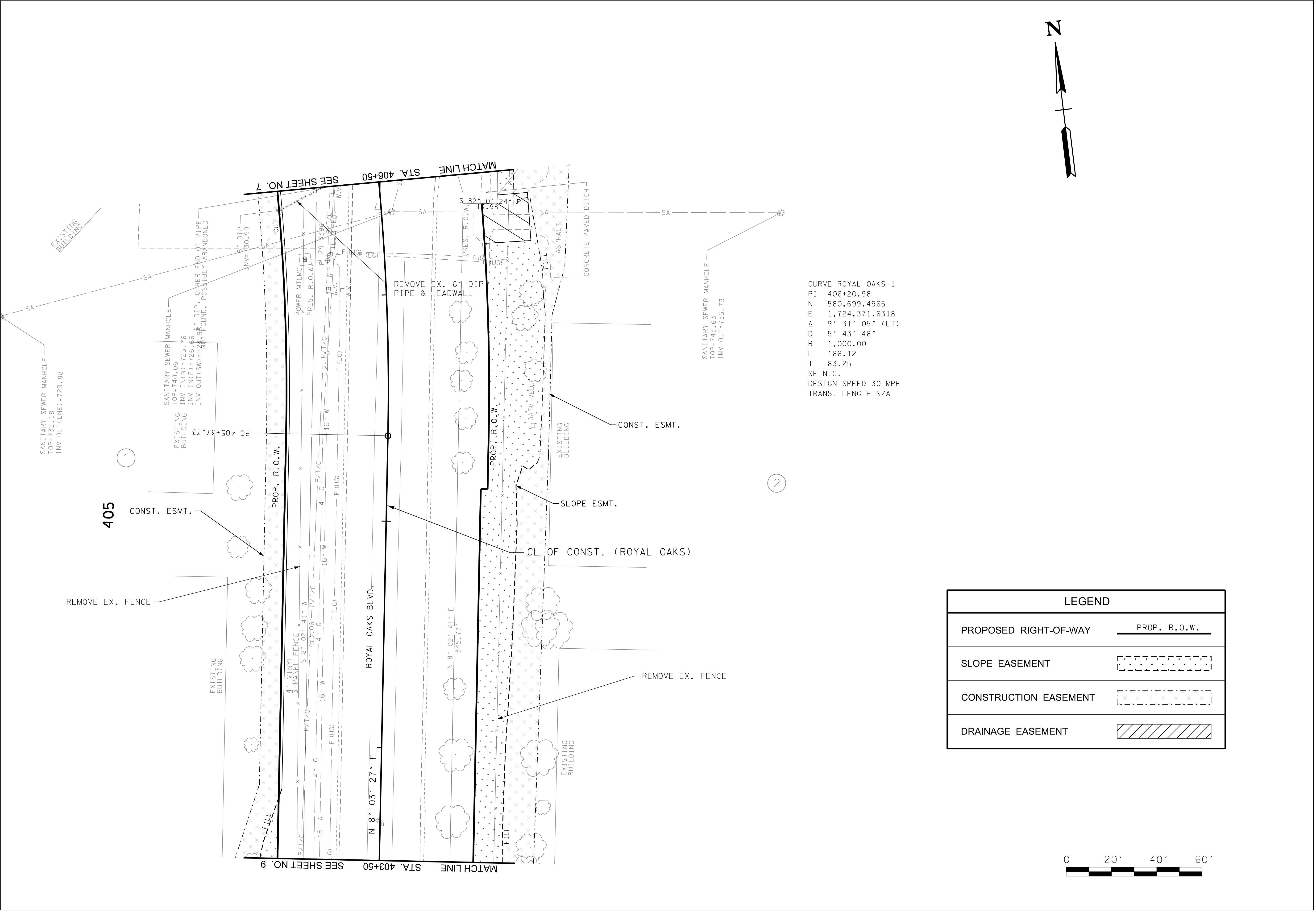
PROPOSED SIDEWALK LAYOUT

MALLORY LANE / LIBERTY PIKE
FRANKLIN, TENNESSEE

REVISIONS		DESCRIPTION	
NO	DATE	BY	

Volkert

BRENTWOOD COMMONS, 750 OLD HICKORY BLVD.
SUITE 230-1, BRENTWOOD, TN 37027
PHONE: (615) 656-1845 FAX: (615) 656-1870



PRESENT LAYOUT

MALLORY LANE / LIBERTY PIKE
FRANKLIN, TENNESSEE

Volkert

BRENTWOOD COMMONS, 750 OLD HICKORY BLVD.
SUITE 230-1, BRENTWOOD, TN 37027
PHONE: (615) 656-1845 FAX: (615) 656-1870

DATE: _____

DESIGNED BY: _____

DRAWN BY: _____

SUPERVISED BY: _____

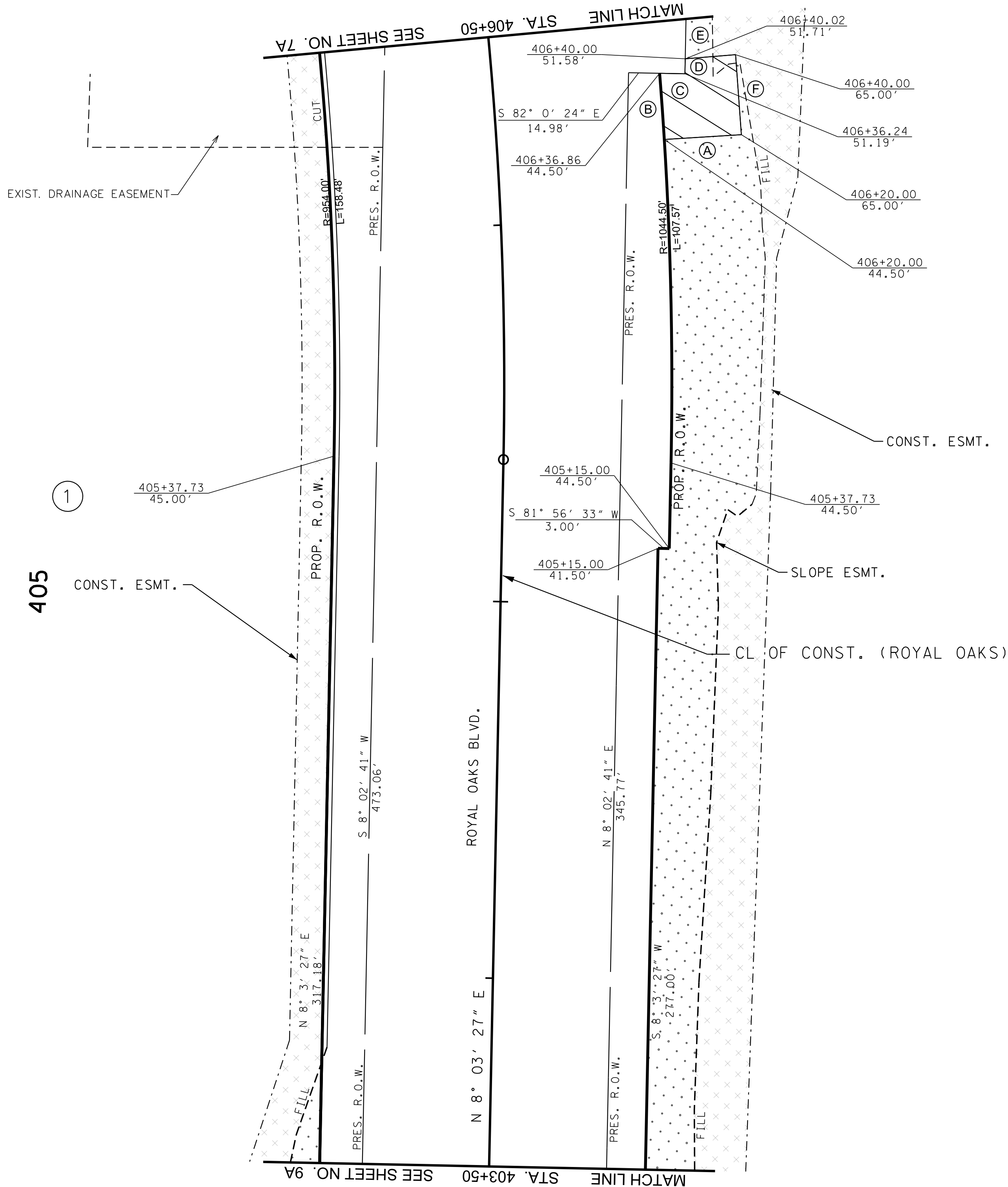
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YEAR: 2023

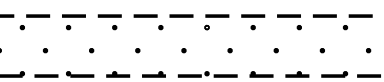
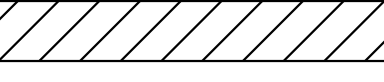
SHEET NO: 10

REVISIONS

NO	DATE	BY	DESCRIPTION



DRAINAGE EASEMENT TABLE		
SIDE	BEARING	DISTANCE
(A)	N86°39'22"W	20.50'
(B)	R = 1044.50'	L = 17.61'
(C)	N82°0'24"W	6.72'
(D)	S7°59'36"W	3.98'
(E)	N87°48'7"W	13.42'
(F)	N2°46'15"E	21.30'

LEGEND	
PROPOSED RIGHT-OF-WAY	 PROP. R.O.W.
SLOPE EASEMENT	
CONSTRUCTION EASEMENT	
DRAINAGE EASEMENT	



REVISIONS		DESCRIPTION
NO	DATE	BY

Volkert

BRENTWOOD COMMONS, 750 OLD HICKORY BLVD.
SUITE 230-1, BRENTWOOD, TN 37027
PHONE: (615) 656-1845 FAX: (615) 656-1870

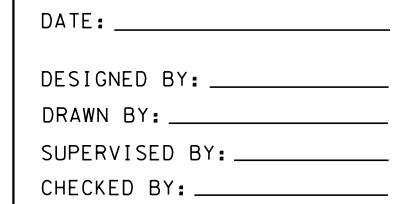
R.O.W. DETAILS

MALLORY LANE / LIBERTY PIKE
FRANKLIN, TENNESSEE

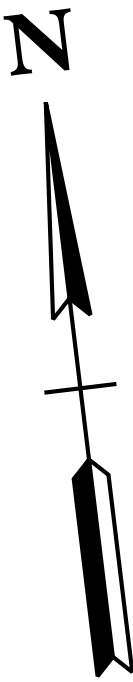
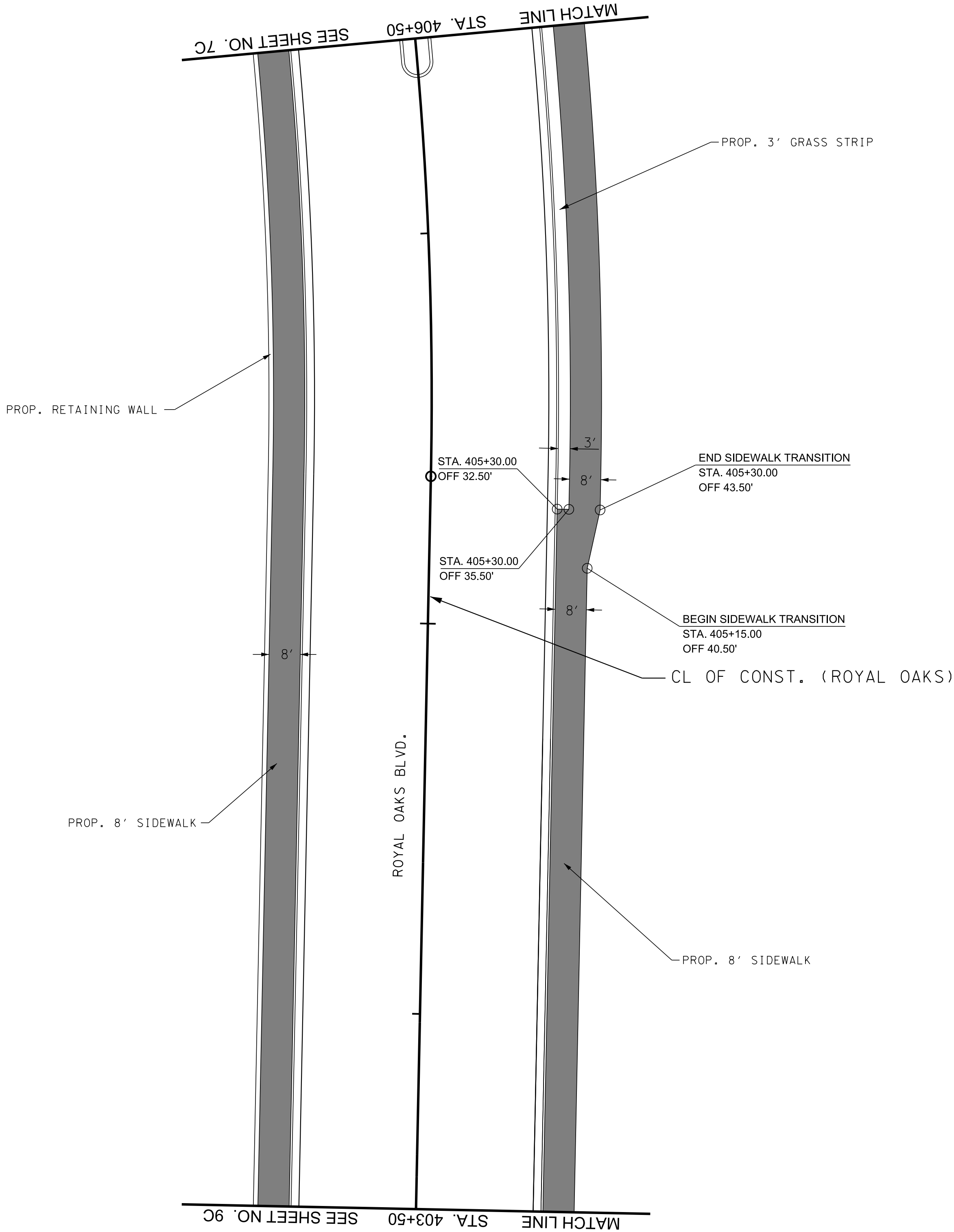
DATE: _____
DESIGNED BY: _____
DRAWN BY: _____
SUPERVISED BY: _____
CHECKED BY: _____

YEAR: 2023

SHEET NO: 10A



405



DATE: _____
DESIGNED BY: _____
DRAWN BY: _____
SUPERVISED BY: _____
CHECKED BY: _____

YEAR: 2023

SHEET NO: 10C

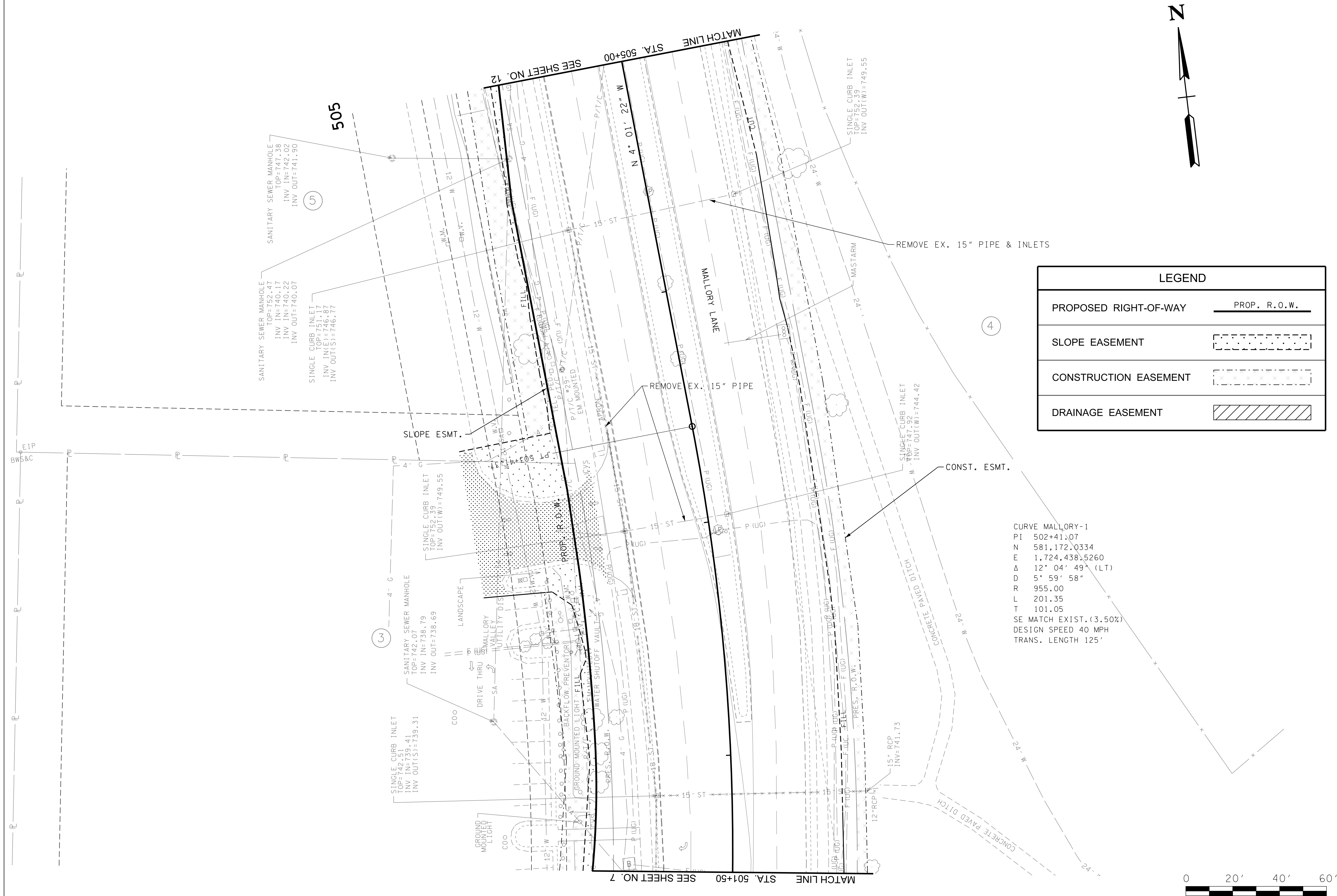
Volkert

BRENTWOOD COMMONS, 750 OLD HICKORY BLVD.
SUITE 230-1, BRENTWOOD, TN 37027
PHONE: (615) 656-1845 FAX: (615) 656-1870

PROPOSED SIDEWALK LAYOUT

MALLORY LANE / LIBERTY PIKE
FRANKLIN, TENNESSEE

REVISIONS		DESCRIPTION	
NO	DATE	BY	

[illegible]

VOLKERT

BRENTWOOD COMMONS, 750 OLD HICKORY BLVD.
SUITE 230-1, BRENTWOOD, TN 37027
PHONE: (615) 656-1845 FAX: (615) 656-

PRESENT LAYOUT

MALLORY LANE / LIBERTY PIKE
FRANKLIN, TENNESSEE

DATE: _____

DESIGNED BY: _____

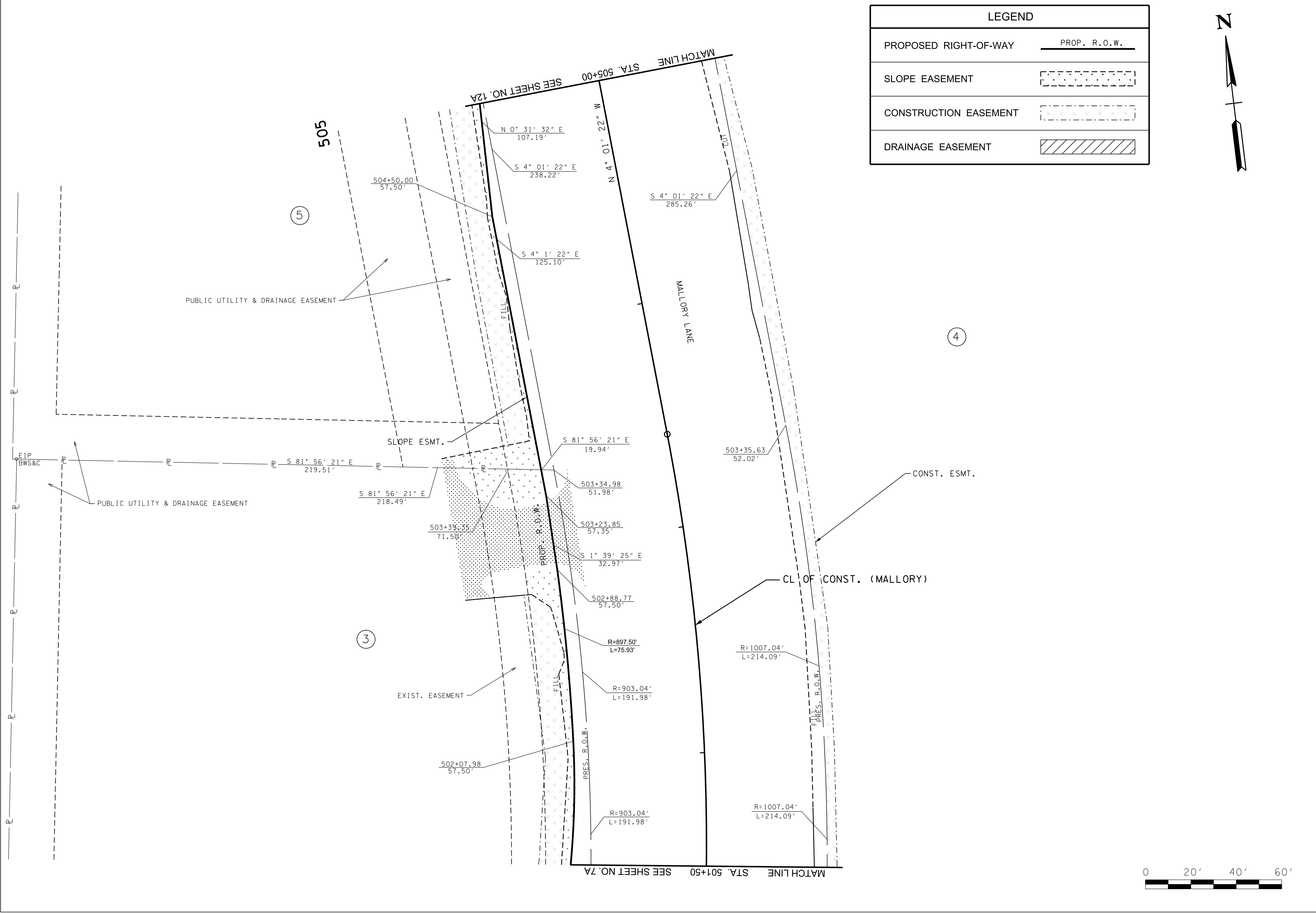
DRAWN BY: _____

SUPERVISED BY: _____

CHECKED BY: _____

YEAR: 2023

SHEET NO: 11



REVISIONS		DESCRIPTION	
NO	DATE	BY	

Volkert

BRENTWOOD COMMONS, 750 OLD HICKORY BLVD.
SUITE 230-1, BRENTWOOD, TN 37027
PHONE: (615) 656-1845 FAX: (615) 656-1870

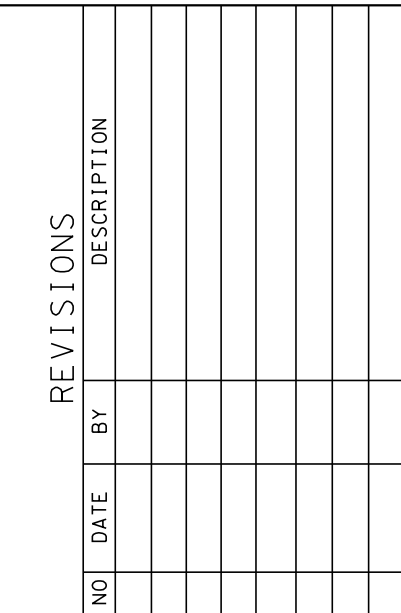
R.O.W. DETAILS

MALLORY LANE / LIBERTY PIKE
FRANKLIN, TENNESSEE

DATE: _____
DESIGNED BY: _____
DRAWN BY: _____
SUPERVISED BY: _____
CHECKED BY: _____

YEAR: 2023

SHEET NO: 11A



BRENTWOOD COMMONS, 750 OLD HICKORY BLVD.
SUITE 230-1, BRENTWOOD, TN 37027
PHONE: (615) 656-1845 FAX: (615) 656-1870

PROPOSED LAYOUT

MALLORY LANE / LIBERTY PIKE
FRANKLIN, TENNESSEE

DATE: _____

DESIGNED BY: _____

DRAWN BY: _____

SUPERVISED BY: _____

CHECKED BY: _____

YEAR: 2023

SHEET NO:11B

505

BEGIN SIDEWALK TRANSITION
STA. 504+50.00
OFF 56.50'

PROP. 8' SIDEWALK

PROP. CURB RAMP

PT 503+41.37

PROP. CURB RAMP

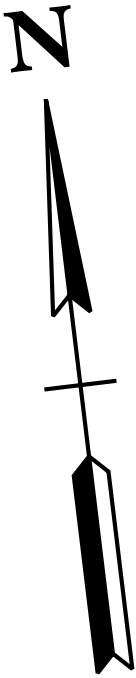
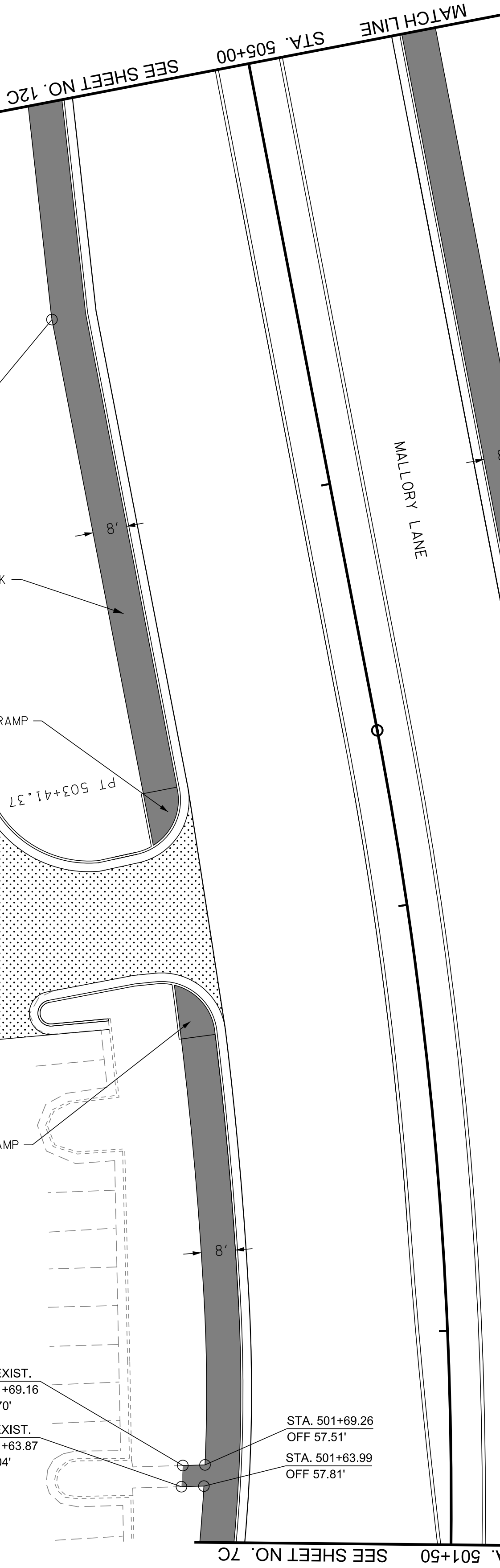
TIE TO EXIST.
STA. 501+69.16
OFF 62.70'

TIE TO EXIST.
STA. 501+63.87
OFF 63.04'

STA. 501+69.26
OFF 57.51'

STA. 501+63.99
OFF 57.81'

END SIDEWALK TRANSITION
STA. 501+55.02
OFF 44.50'



REVISIONS		DESCRIPTION	
NO	DATE	BY	

Volkert

BRENTWOOD COMMONS, 750 OLD HICKORY BLVD.
SUITE 230-1, BRENTWOOD, TN 37027
PHONE: (615) 656-1845 FAX: (615) 656-1870

PROPOSED SIDEWALK LAYOUT

MALLORY LANE / LIBERTY PIKE
FRANKLIN, TENNESSEE

DATE: _____

DESIGNED BY: _____

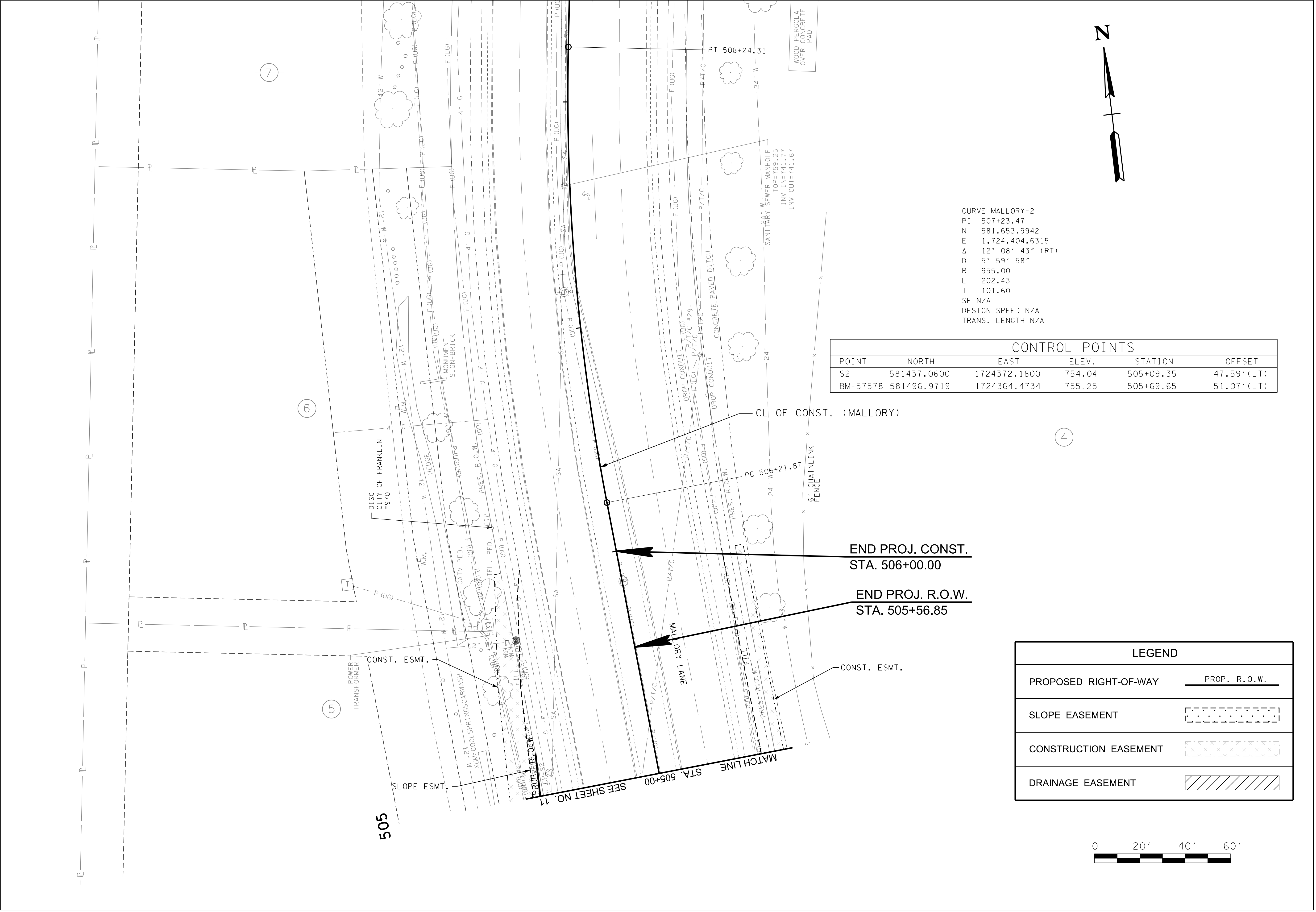
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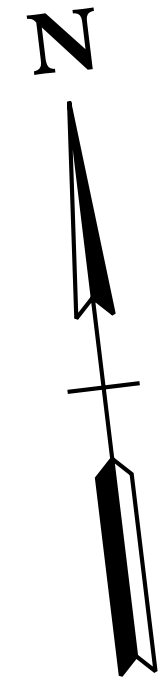
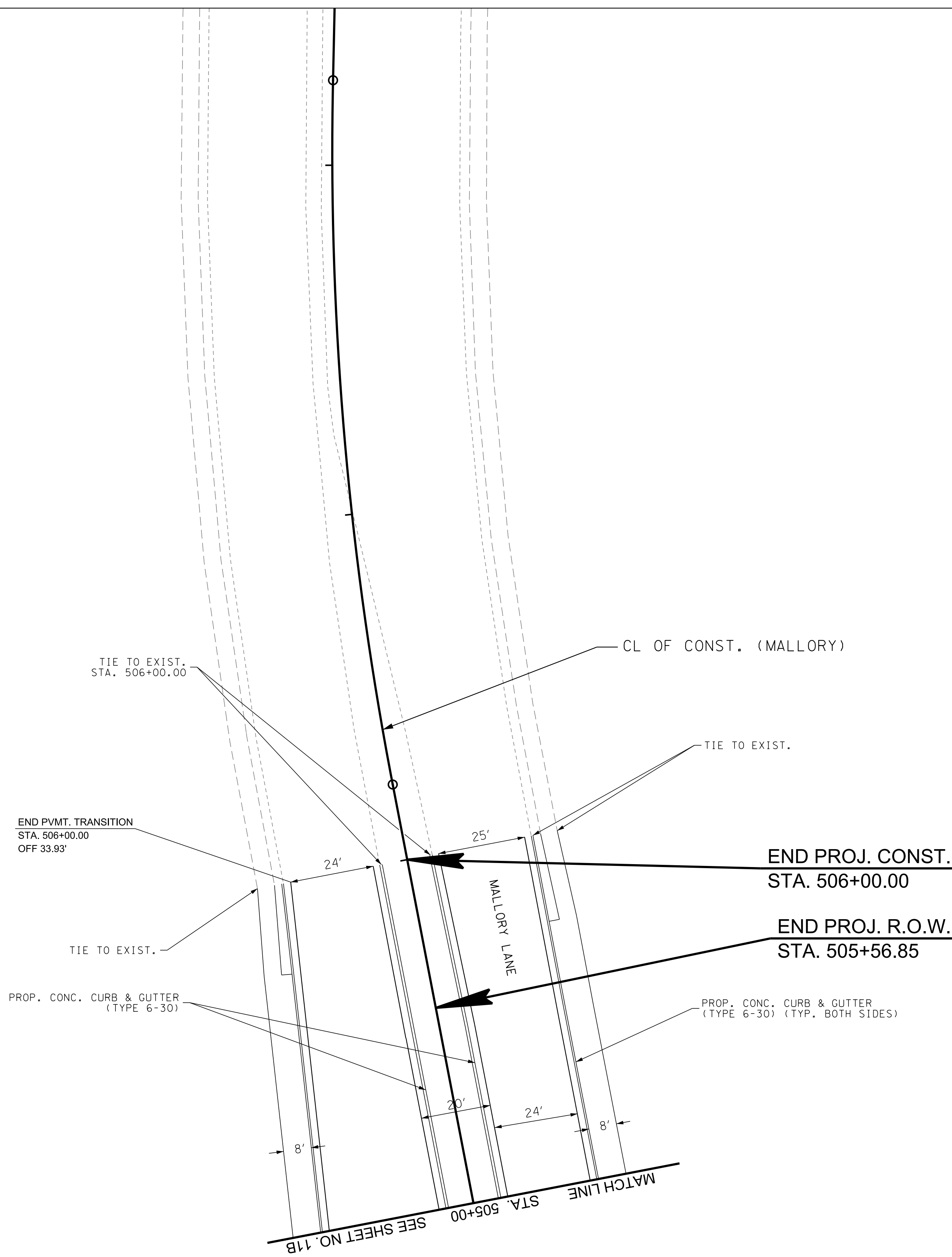
SUPERVISED BY: _____

CHECKED BY: _____

YEAR: 2023

SHEET NO: 11C





REVISIONS		DESCRIPTION	
NO	DATE	BY	

Volkert

BRENTWOOD COMMONS, 750 OLD HICKORY BLVD.
SUITE 230-1, BRENTWOOD, TN 37027
PHONE: (615) 656-1845 FAX: (615) 656-1870

PROPOSED LAYOUT

MALLORY LANE / LIBERTY PIKE
FRANKLIN, TENNESSEE

DATE: _____

DESIGNED BY: _____

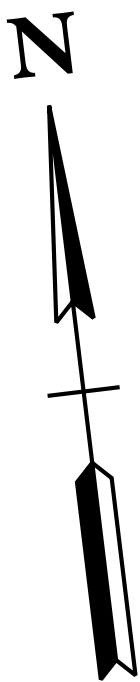
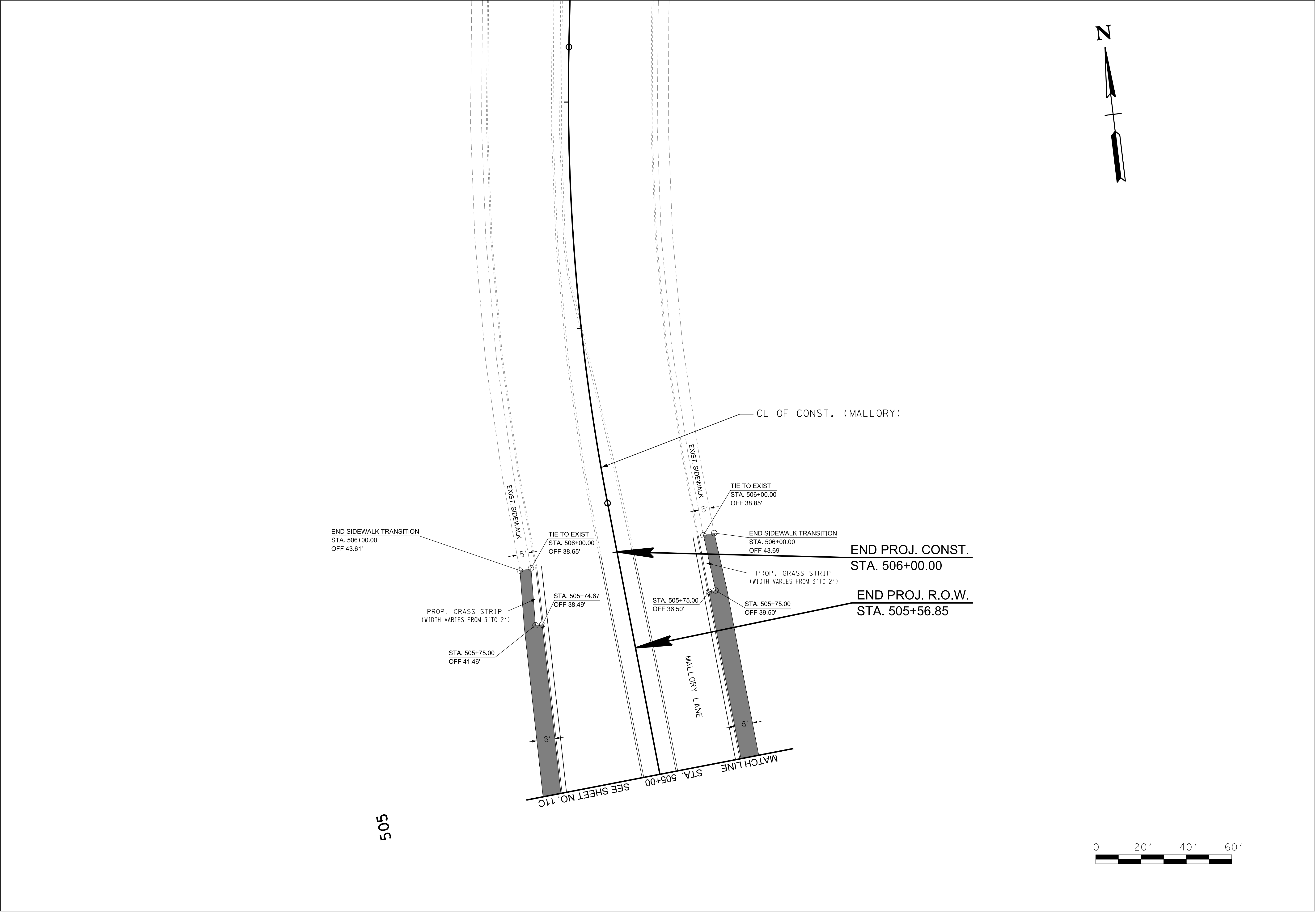
DRAWN BY: _____

SUPERVISED BY: _____

CHECKED BY: _____

YEAR: 2023

SHEET NO: 12B



REVISIONS		DESCRIPTION	
NO	DATE	BY	

BRENTWOOD COMMONS, 750 OLD HICKORY BLVD.
SUITE 230-1, BRENTWOOD, TN 37027
PHONE: (615) 656-1845 FAX: (615) 656-1870

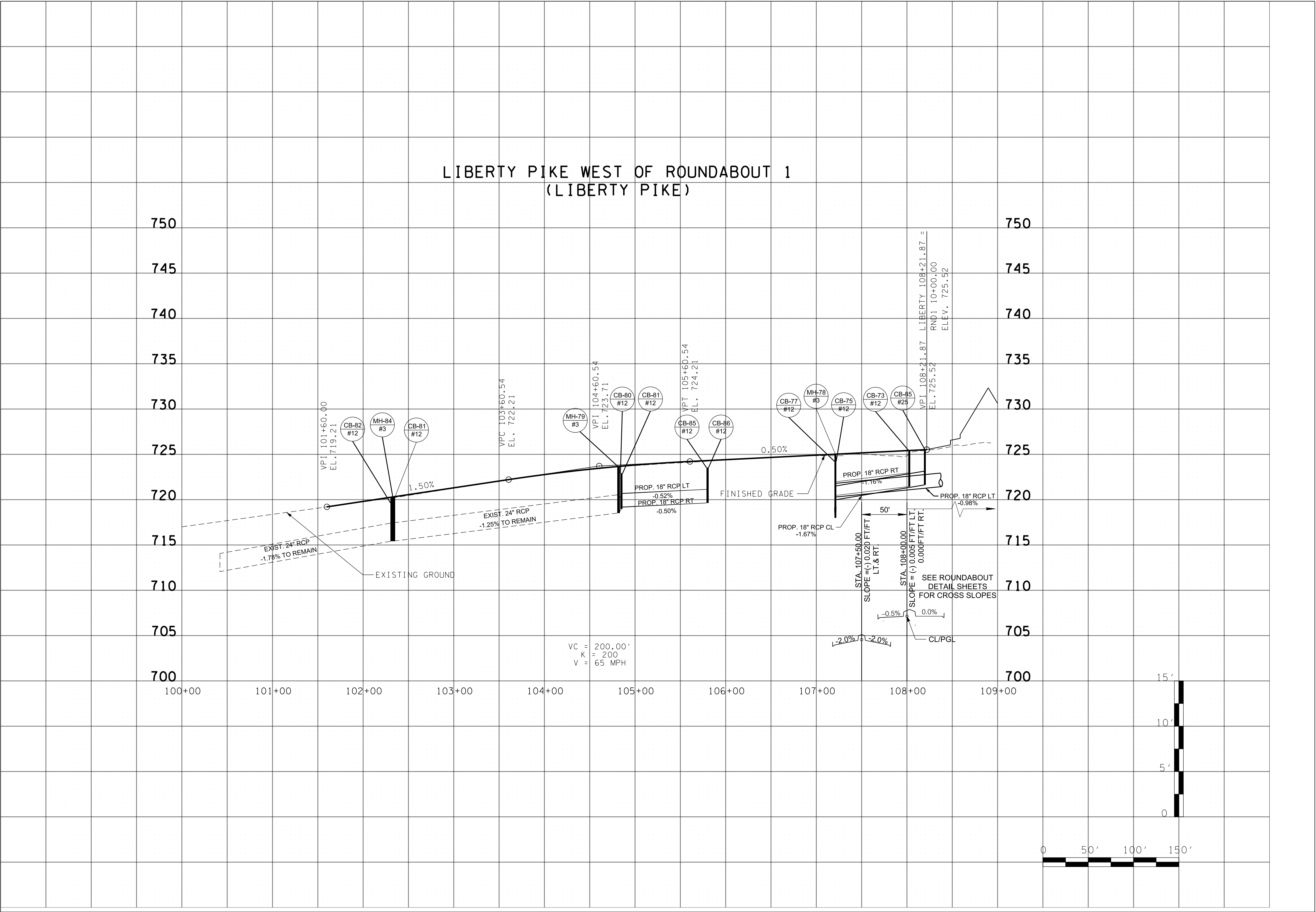
PROPOSED SIDEWALK LAYOUT

MALLORY LANE / LIBERTY PIKE
FRANKLIN, TENNESSEE

DATE: _____
DESIGNED BY: _____
DRAWN BY: _____
SUPERVISED BY: _____
CHECKED BY: _____

YEAR: 2023

SHEET NO: 12C



REVISIONS		DESCRIPTION	
NO	DATE	BY	

Volkert

BRENTWOOD COMMONS, 750 OLD HICKORY BLVD.
SUITE 230-1, BRENTWOOD, TN 37027
PHONE: (615) 656-1845 FAX: (615) 656-1870

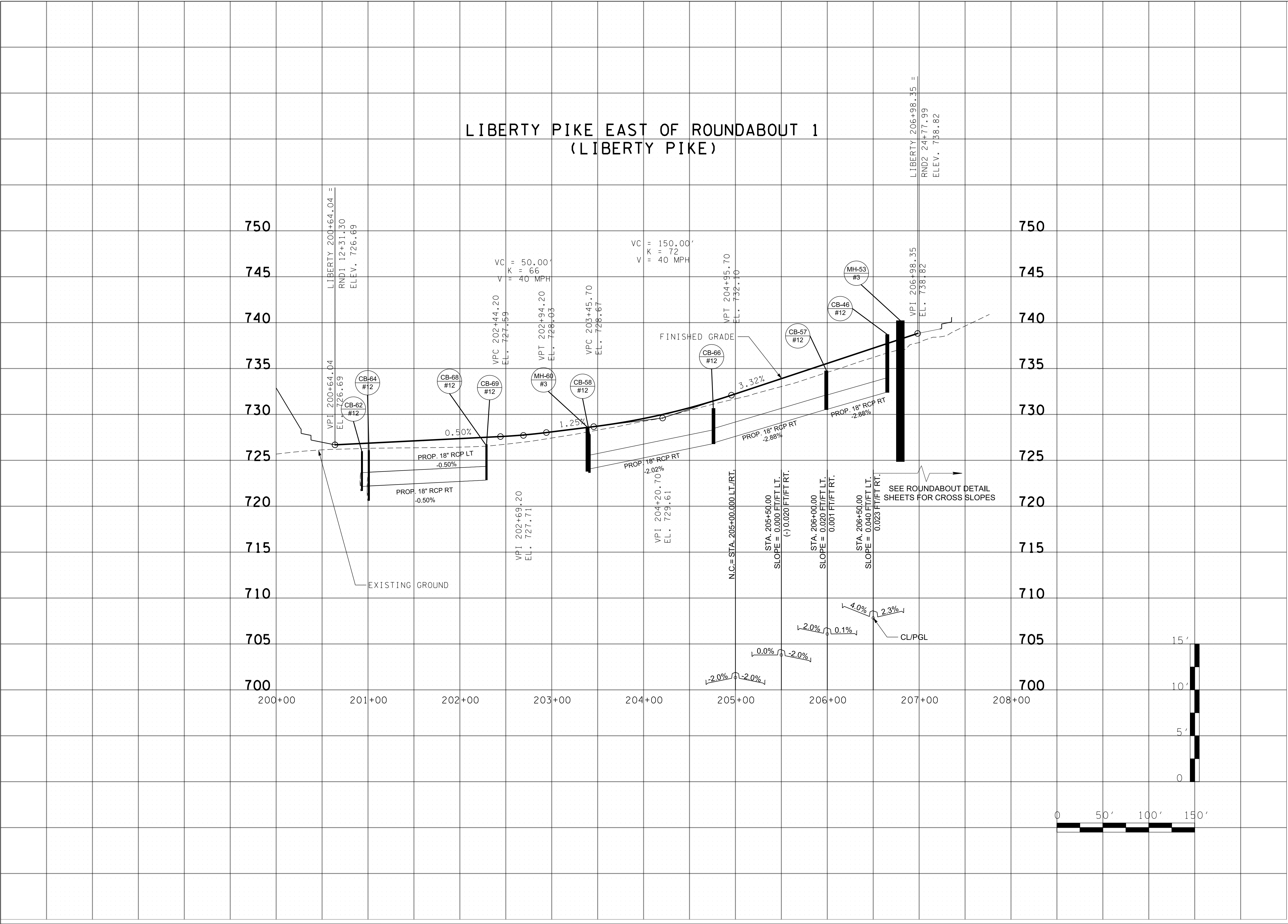
LIBERTY PIKE PROPOSED
PROFILE SHEET

MALLORY LANE / LIBERTY PIKE
FRANKLIN, TENNESSEE

DATE: _____
DESIGNED BY: _____
DRAWN BY: _____
SUPERVISED BY: _____
CHECKED BY: _____

YEAR: 2023

SHEET NO: 13



REVISIONS		DESCRIPTION	
NO	DATE	BY	

LIBERTY PIKE PROPOSED
PROFILE SHEET

MALLORY LANE / LIBERTY PIKE
FRANKLIN, TENNESSEE

DATE: _____

DESIGNED BY: _____

DRAWN BY: _____

SUPERVISED BY: _____

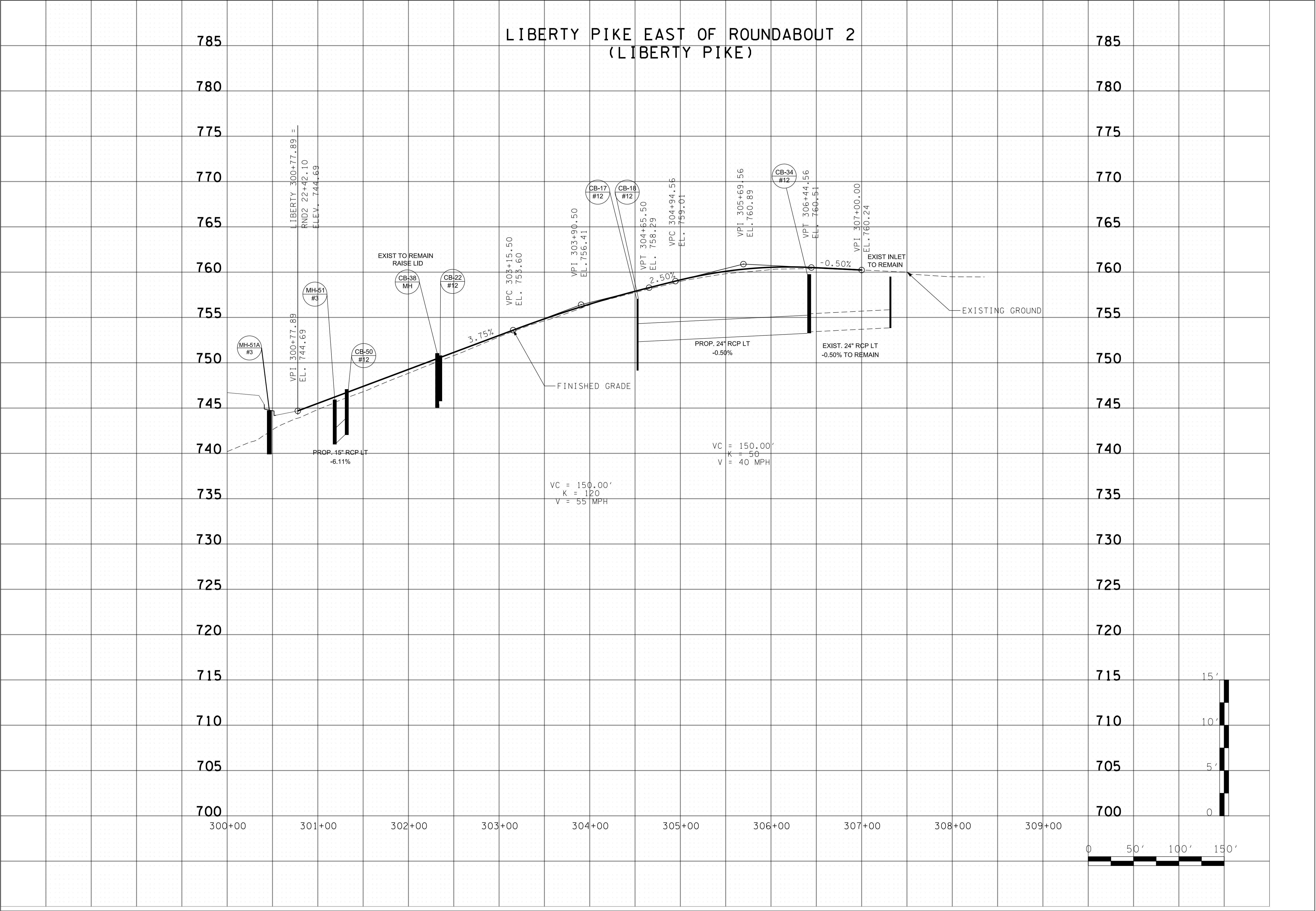
CHECKED BY: _____

YEAR: 2023

SHEET NO: 14

Volkert

BRENTWOOD COMMONS, 750 OLD HICKORY BLVD.
SUITE 230-1, BRENTWOOD, TN 37027
PHONE: (615) 656-1845 FAX: (615) 656-1870



REVISIONS		DESCRIPTION	
NO	DATE	BY	

LIBERTY PIKE PROPOSED
PROFILE SHEET

MALLORY LANE / LIBERTY PIKE
FRANKLIN, TENNESSEE

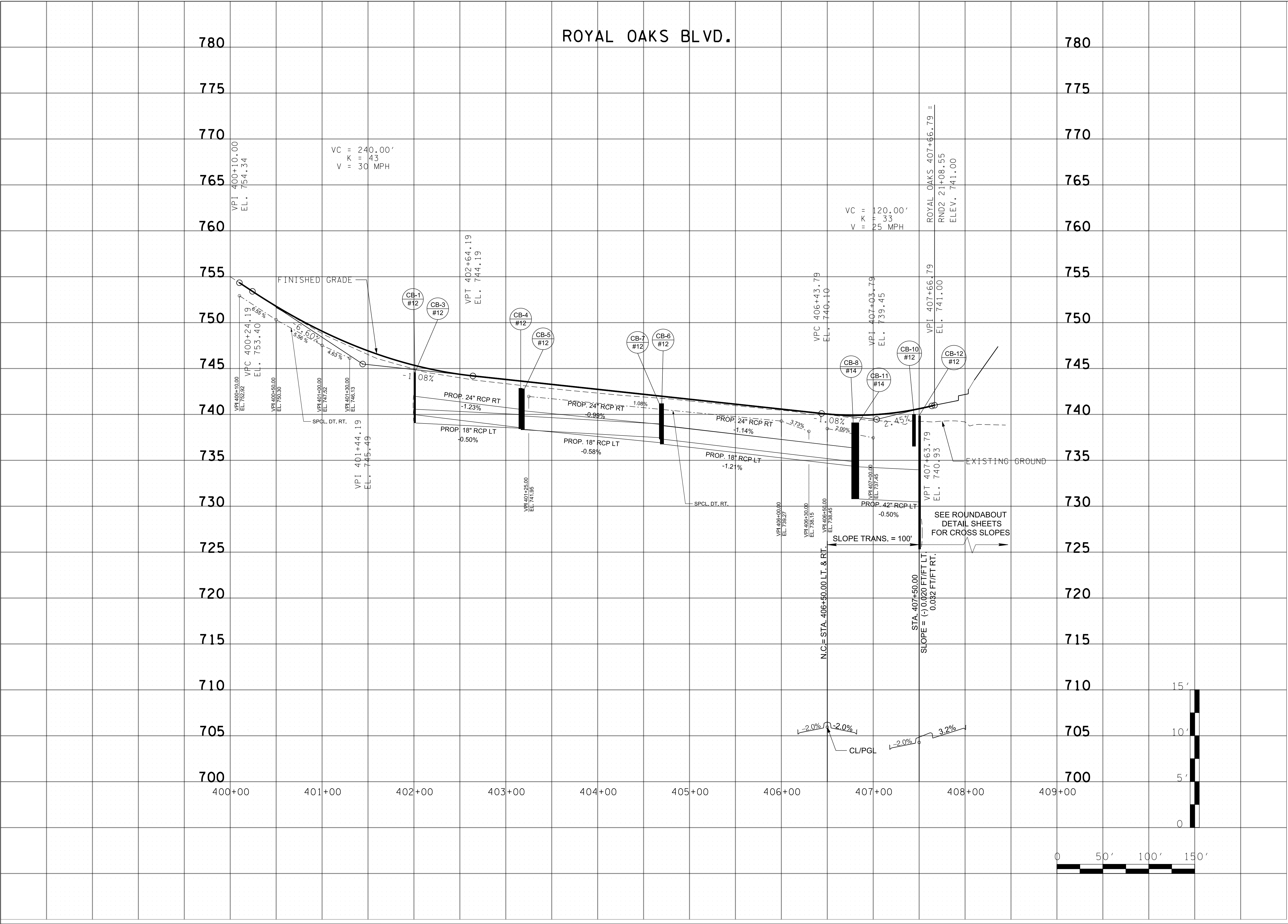
DATE: _____
DESIGNED BY: _____
DRAWN BY: _____
SUPERVISED BY: _____
CHECKED BY: _____

YEAR: 2023

SHEET NO:15

Volkert

BRENTWOOD COMMONS, 750 OLD HICKORY BLVD.
SUITE 230-1, BRENTWOOD, TN 37027
PHONE: (615) 656-1845 FAX: (615) 656-1870



REVISIONS		DESCRIPTION	
NO	DATE	BY	

ROYAL OAK BLVD. PROPOSED
PROFILE SHEET

MALLORY LANE / LIBERTY PIKE
FRANKLIN, TENNESSEE

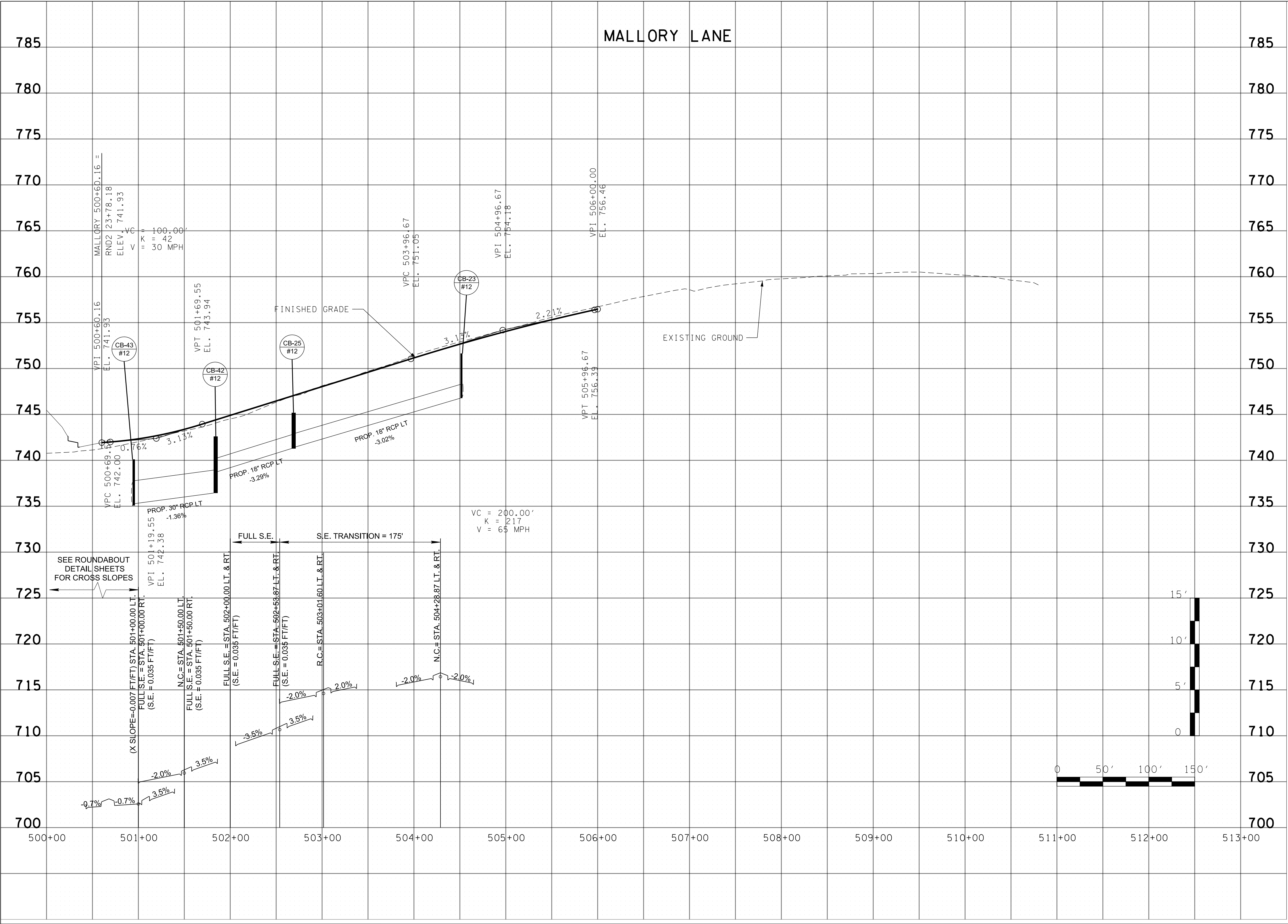
DATE: _____
DESIGNED BY: _____
DRAWN BY: _____
SUPERVISED BY: _____
CHECKED BY: _____

YEAR: 2023

SHEET NO: 16

Volkert

BRENTWOOD COMMONS, 750 OLD HICKORY BLVD.
SUITE 230-1, BRENTWOOD, TN 37027
PHONE: (615) 656-1845 FAX: (615) 656-1870



REVISIONS		DESCRIPTION	
NO	DATE	BY	

MALLORY LANE PROPOSED
PROFILE SHEET

MALLORY LANE / LIBERTY PIKE
FRANKLIN, TENNESSEE

Volkert

BRENTWOOD COMMONS, 750 OLD HICKORY BLVD.
SUITE 230-1, BRENTWOOD, TN 37027
PHONE: (615) 656-1845 FAX: (615) 656-1870

DATE: _____

DESIGNED BY: _____

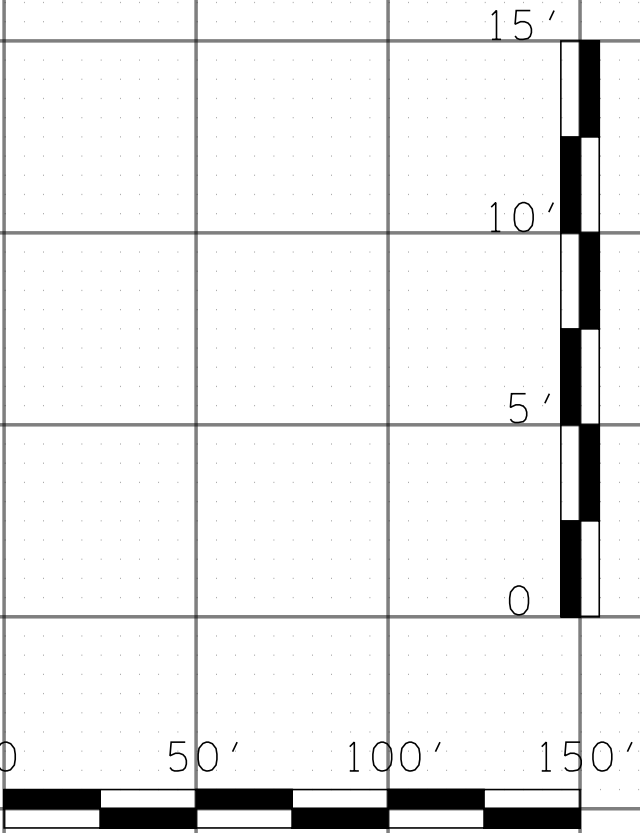
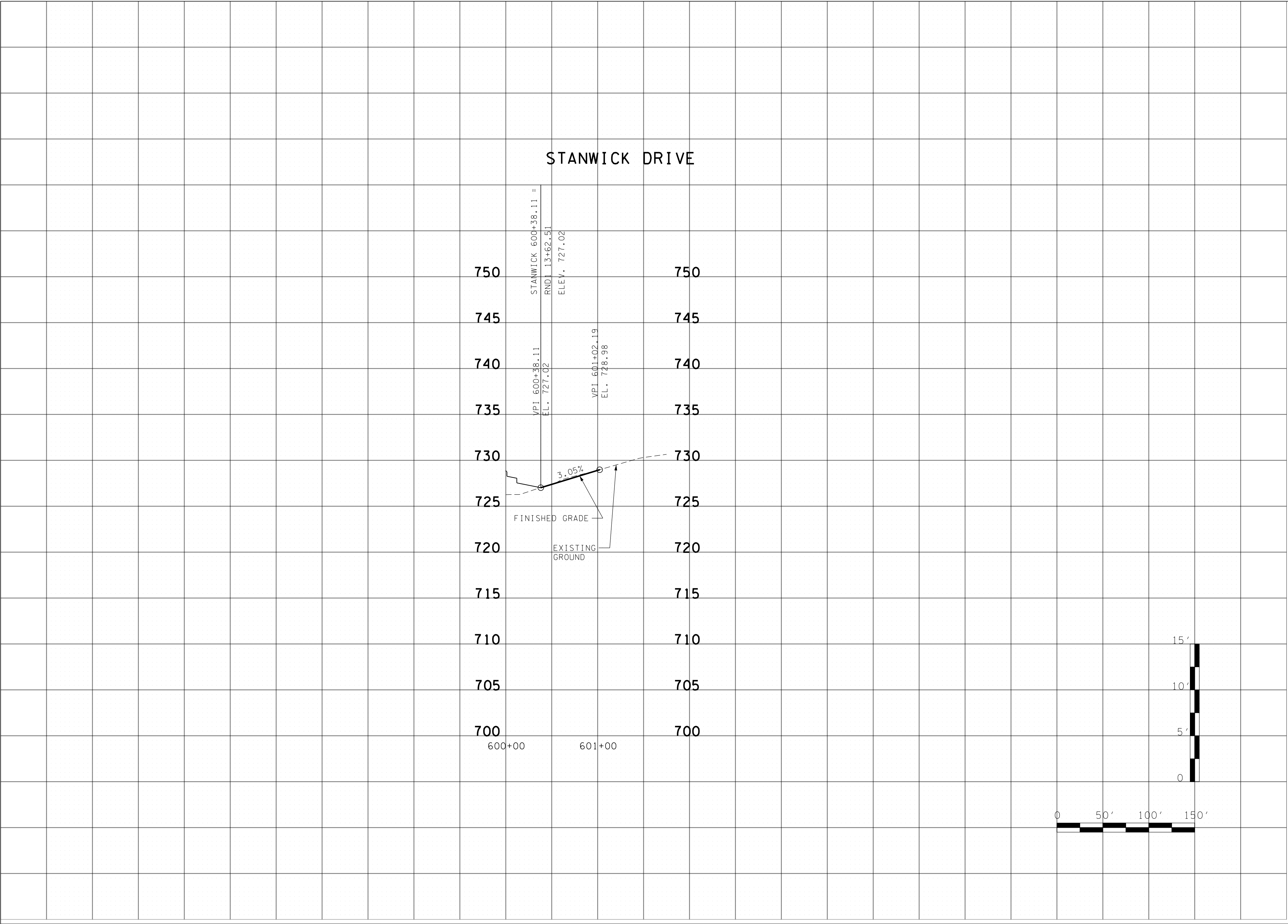
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CHECKED BY: _____

YEAR: 2023

SHEET NO: 17



REVISIONS		DESCRIPTION	
NO	DATE	BY	

STANWICK DRIVE PROPOSED
PROFILE SHEET

MALLORY LANE / LIBERTY PIKE
FRANKLIN, TENNESSEE

DATE: _____

DESIGNED BY: _____

DRAWN BY: _____

SUPERVISED BY: _____

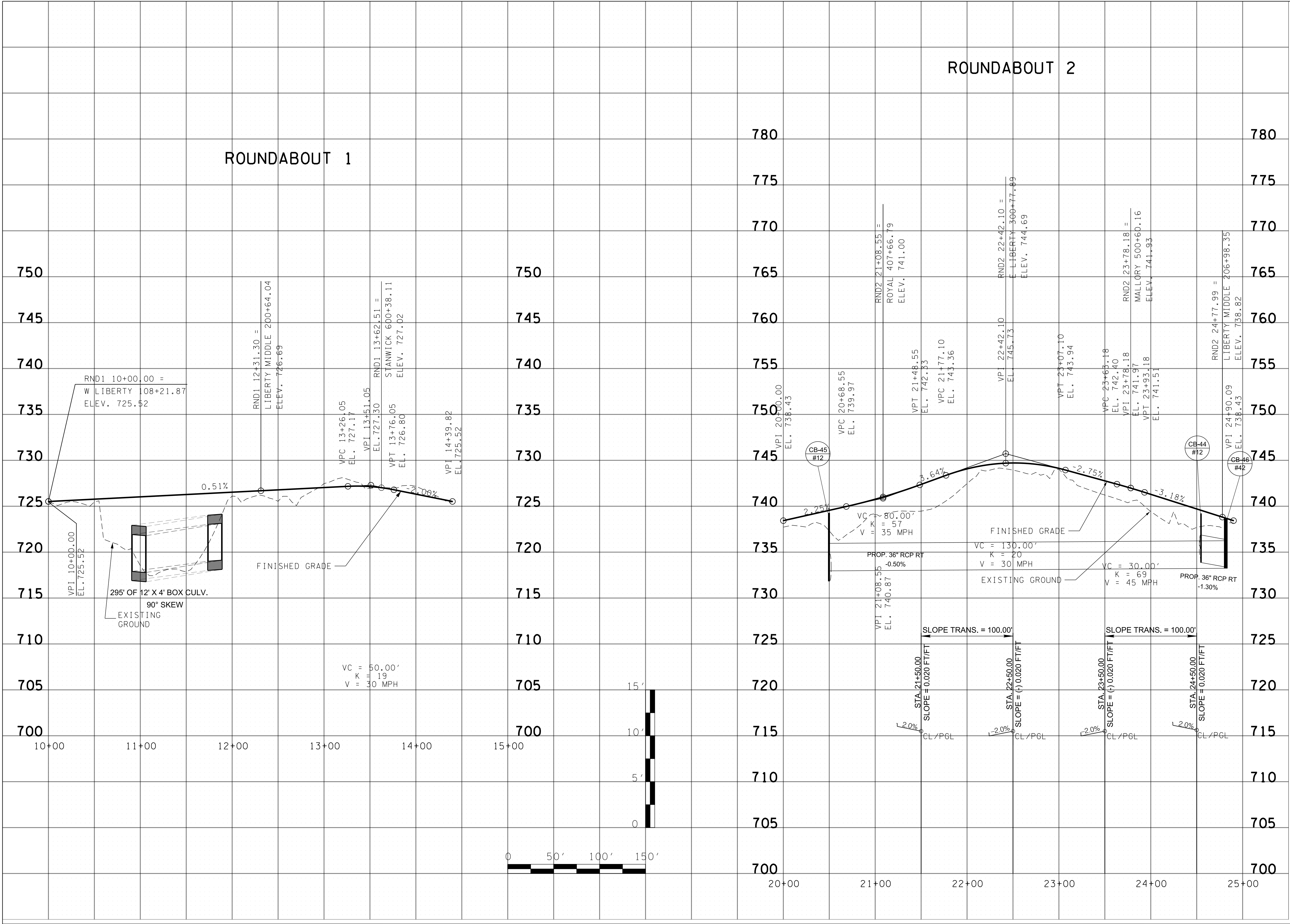
CHECKED BY: _____

YEAR: 2023

SHEET NO: 18

Volkert

BRENTWOOD COMMONS, 750 OLD HICKORY BLVD.
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PHONE: (615) 656-1845 FAX: (615) 656-1870



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STANWICK DRIVE PROPOSED
PROFILE SHEET

MALLORY LANE / LIBERTY PIKE
FRANKLIN, TENNESSEE

DATE: _____

DESIGNED BY: _____

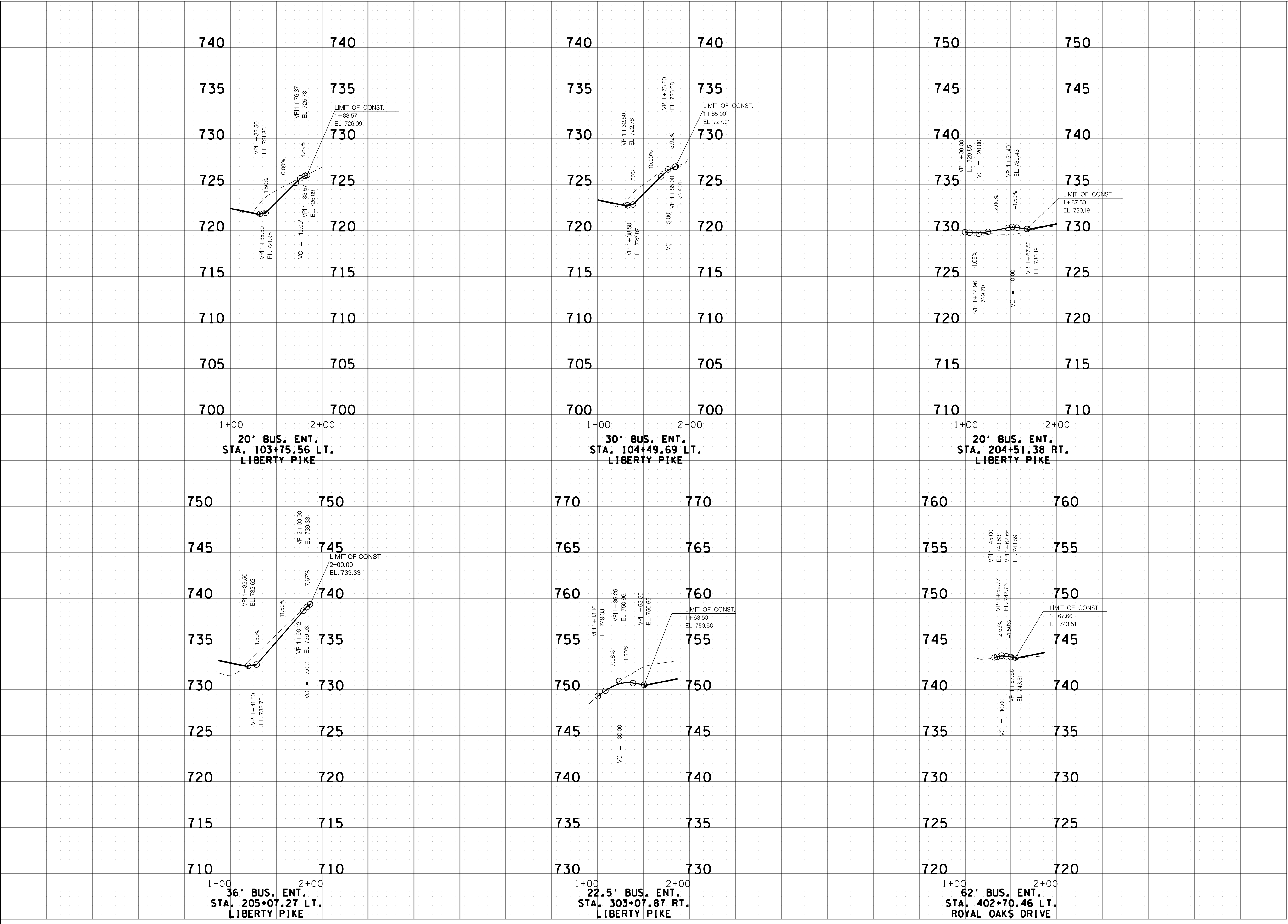
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YEAR: 2023

SHEET NO: 18A



REVISIONS		DESCRIPTION	
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Volkert

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PRIVATE DRIVE & BUSINESS ENTRANCE
PROFILES

MALLORY LANE / LIBERTY PIKE
FRANKLIN, TENNESSEE

DATE: _____

DESIGNED BY: _____

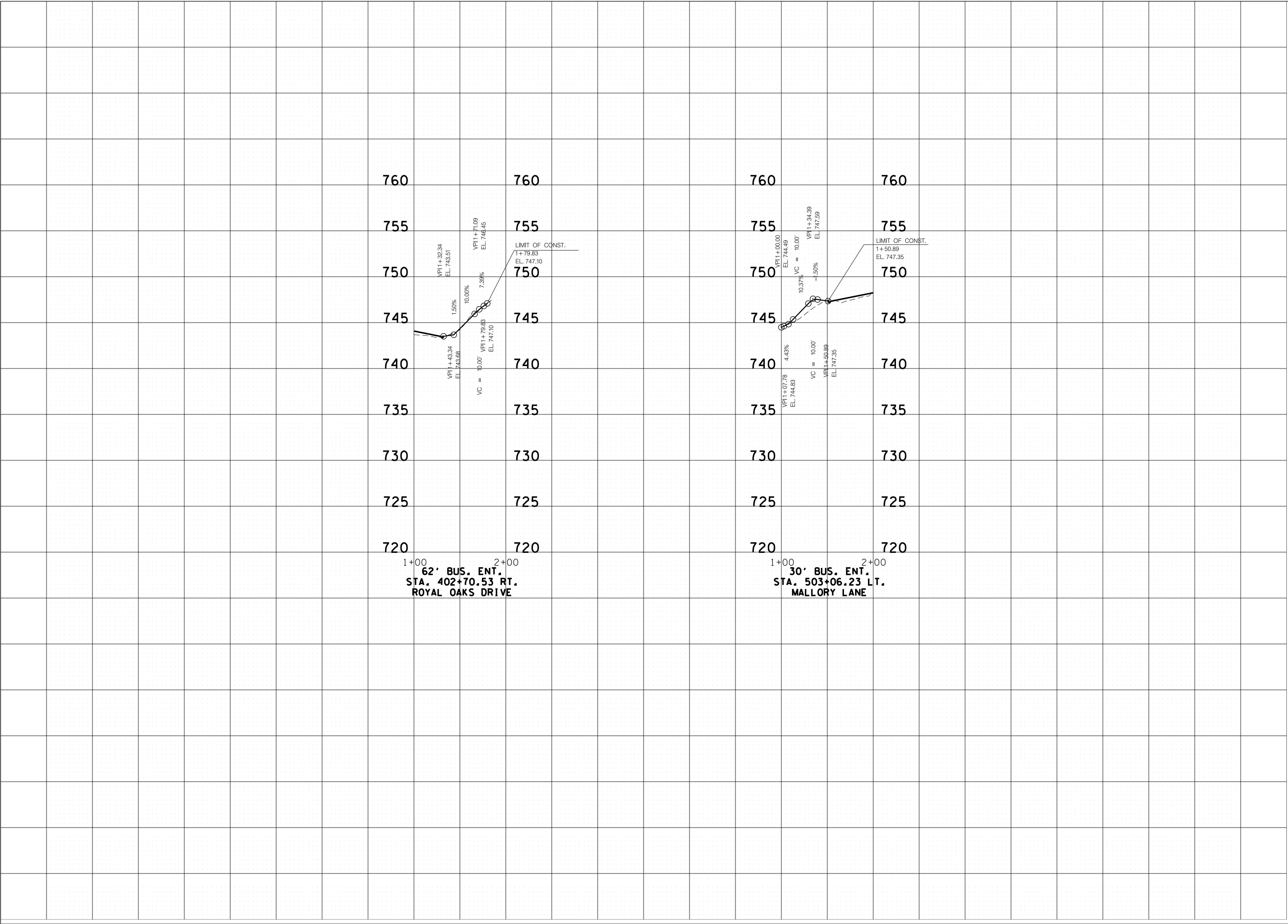
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SUPERVISED BY: _____

CHECKED BY: _____

YEAR: 2023

SHEET NO:19



REVISIONS	
NO	DATE
DESCRIPTION	

PRIVATE DRIVE & BUSINESS ENTRANCE
PROFILES

MALLORY LANE / LIBERTY PIKE
FRANKLIN, TENNESSEE

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SUITE 230-1, BRENTWOOD, TN 37027
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DATE: _____

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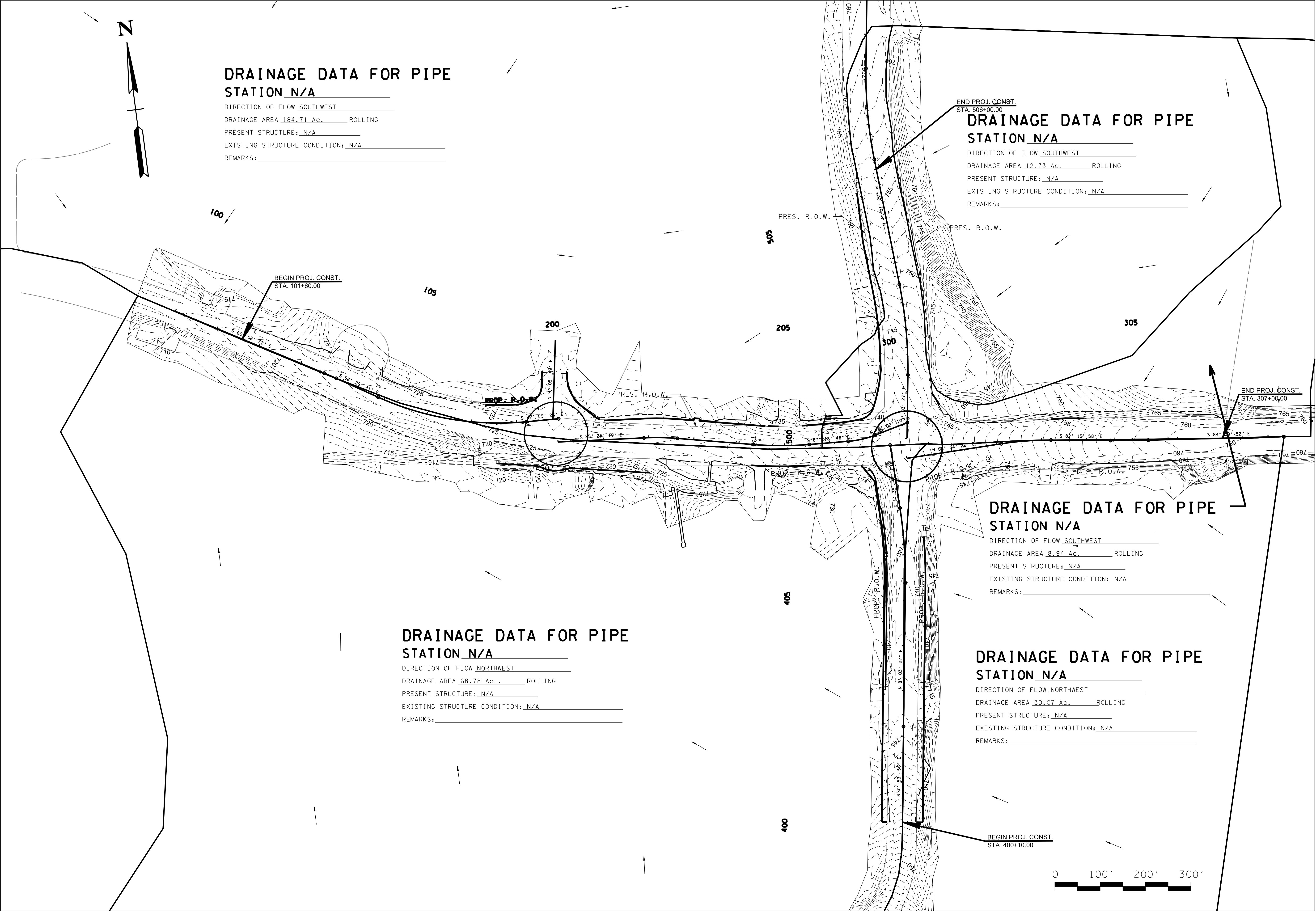
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302 INNOVATION DRIVE, FRANKLIN, TN 37067
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DRAINAGE MAP

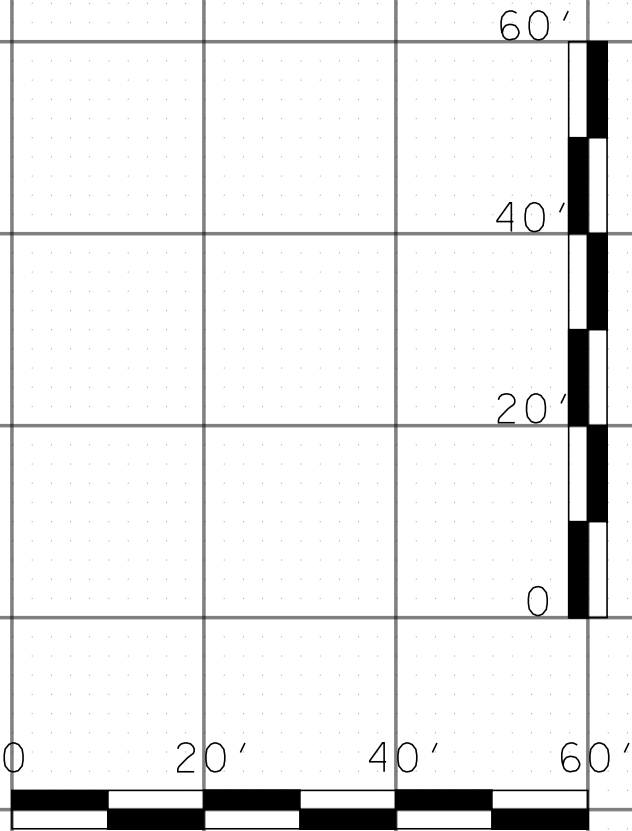
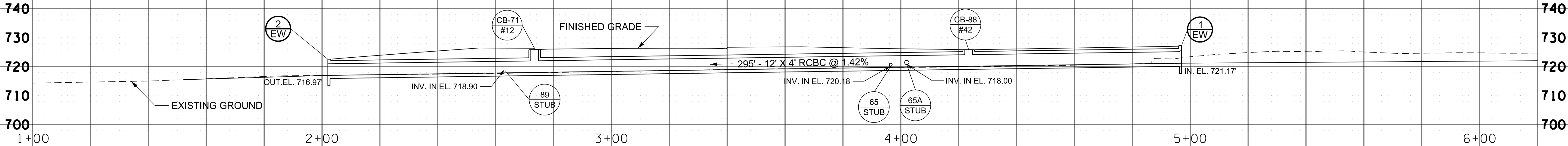
MALLORY LANE / LIBERTY PIKE
FRANKLIN, TENNESSEE

DATE: _____
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SUPERVISED BY: _____
CHECKED BY: _____

YEAR: 2023

SHEET NO:21

BOX CULVERT		
STATION: 11+30.00 RND1		
STRUCTURE: 295' OF 12' X4' RCBC		
SKEW	90	DEG.
DRAINAGE AREA	82.79	AC.
DESIGN DISCHARGE (Q50)	272	CFS
DESIGN DISCHARGE (Q100)	299	CFS
OVERTOPPING	727.31	ELEV.
ALLOWABLE HEADWATER	726.31	ELEV.
Q50 HEADWATER	724.13	ELEV.
Q100 HEADWATER	724.42	ELEV.
VELOCITY (Q50)	7.62	FT/S
VELOCITY (Q100)	8.16	FT/S
INLET	721.17	ELEV.
OUTLET	716.97	ELEV.
STANDARD DRAWING NOS.: STD-17-56 , STD-17-11		
QUANTITIES:		
CLASS "A" CONCRETE	378	C.Y.
STEEL BAR REINFORCING	76614	LB.
BACKFILL		TONS
FOUNDATION FILL MATERIAL		C.Y.



REVISIONS		DESCRIPTION	
NO	DATE	BY	

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CULVERT SECTIONS

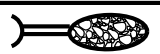
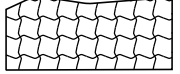
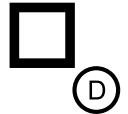
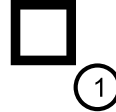
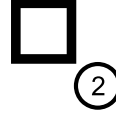
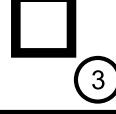
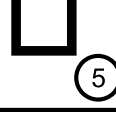
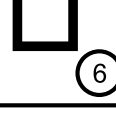
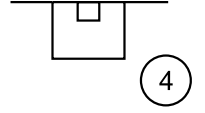
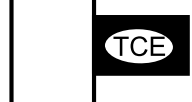
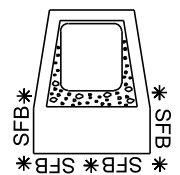
MALLORY LANE / LIBERTY PIKE
FRANKLIN, TENNESSEE

DATE: _____
DESIGNED BY: _____
DRAWN BY: _____
SUPERVISED BY: _____
CHECKED BY: _____

YEAR: 2023

SHEET NO: 22

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EROSION PREVENTION AND SEDIMENT CONTROL LEGEND		
SYMBOL	ITEM	STD. DWG.
* SF * SF * SF *	SILT FENCE	EC-STR-3B
* SFB * SFB * SFB *	SILT FENCE WITH WIRE BACKING	EC-STR-3C
	TEMPORARY BERM	EC-STR-27
	TEMPORARY SLOPE DRAIN	EC-STR-27
	EROSION CONTROL BLANKET	EC-STR-34
* TUBE 20' * TUBE 20' *	20 INCH SEDIMENT TUBE	EC-STR-37
	ROCK CHECK DAM (TRAPEZOIDAL DITCH)	EC-STR-6
	ENHANCED ROCK CHECK DAM (TRAPEZOIDAL DITCH)	EC-STR-6A
	TEMPORARY DIVERSION CULVERT (DESCRIBE NUMBER AND SIZE OF PIPES)	EC-STR-32
	CULVERT PROTECTION (TYPE 1)	EC-STR-11
	CATCH BASIN PROTECTION (TYPE D)	EC-STR-19
	CATCH BASIN FILTER ASSEMBLY (TYPE 1)	EC-STR-41
	CATCH BASIN FILTER ASSEMBLY (TYPE 2)	EC-STR-42
	CATCH BASIN FILTER ASSEMBLY (TYPE 3)	EC-STR-43
	CATCH BASIN FILTER ASSEMBLY (TYPE 5)	EC-STR-45
	CATCH BASIN FILTER ASSEMBLY (TYPE 6)	EC-STR-46
	CURB INLET PROTECTION (TYPE 4)	EC-STR-39A
	TEMPORARY CONSTRUCTION EXIT	EC-STR-25
	TEMPORARY DIVERSION CULVERT (DESCRIBE NUMBER AND SIZE OF PIPES)	EC-STR-32
	RIPRAP	EC-STR-27
	SEDIMENT FILTER BAG	EC-STR-2
* HVF * HVF *	HIGH VISIBILITY FENCE	S-F-1

TEMPORARY CONSTRUCTION EXIT TO BE PLACED AS DIRECTED BY THE ENGINEER.

ALL QUANTITIES TO BE VERIFIED BY THE ENGINEER

REVISIONS
NO. DATE BY DESCRIPTION

EROSION PREVENTION & SEDIMENT CONTROL (EPSC) LEGEND AND QUANTITIES

VOLKERT

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SUITE 230-1, BRENTWOOD, TN 37027
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MALLORY LANE / LIBERTY PIKE
FRANKLIN, TENNESSEE

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DRAWN BY: _____
SUPERVISED BY: _____
CHECKED BY: _____

YEAR: 2023

SHEET NO: 23

100

105

BEGIN PROJ. CONST.
STA. 101+60.00

BEGIN PROJ. R.O.W.
STA. 102+58.80

GT. EL. 719.62
OUT. EL. 715.73
CB-82
#12

OUT -22

RIM EL. 720.86
IN. EL. 715.45 (CB-82)
IN. EL. 715.45 (CB-83)
IN. EL. 715.45 (CB-79)

MH-84
#3

LIBERTY PIKE

EXIST. 24" STM. TO REMAIN IN PLACE

RIM EL. 723.59
IN. EL. 718.52 (CB-80)
IN. EL. 718.52 (CB-81)
OUT. EL. 718.52

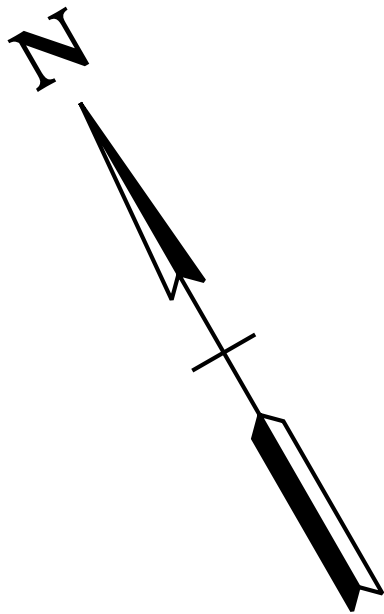
MH-79
#3

GT. EL. 722.91
IN. EL. 719.19 (CB-85)
OUT. EL. 719.02
CB-80
#12

OUT -19

GT. EL. 719.62
OUT. EL. 715.85
CB-83
#12

STAGE 2 OUTFALLS		
OUTFALL	AREA (AC.)	SLOPE (%)
6	0.11	3.69
21	0.26	2.0
22	0.32	2.0
19	0.21	2.0
20	0.10	2.0



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NO	DATE	

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EROSION PREVENTION & SEDIMENT
CONTROL (EPSC) PLAN PHASE 2

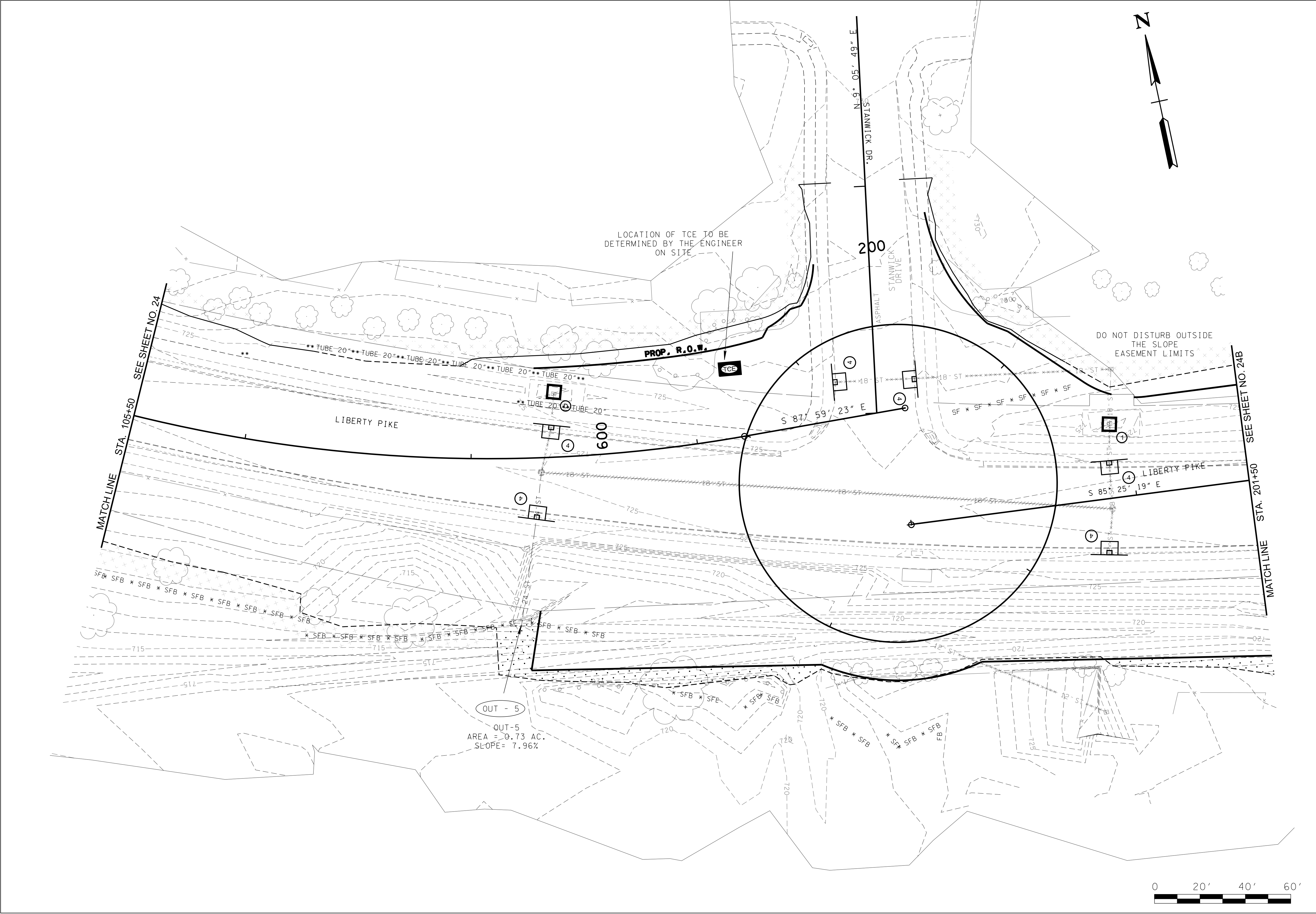
MALLORY LANE / LIBERTY PIKE
FRANKLIN, TENNESSEE

DATE: _____
DESIGNED BY: _____
DRAWN BY: _____
SUPERVISED BY: _____
CHECKED BY: _____

YEAR: 2023

SHEET NO: 25

Page 352 of 634



REVISIONS		DESCRIPTION	
NO	DATE	BY	

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SUITE 230-1, BRENTWOOD, TN 37027
PHONE: (615) 656-1845 FAX: (615) 656-1870

EROSION PREVENTION & SEDIMENT
CONTROL (EPSC) PLAN PHASE 1

MALLORY LANE / LIBERTY PIKE
FRANKLIN, TENNESSEE

DATE: _____

DESIGNED BY: _____

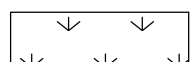
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SUPERVISED BY: _____

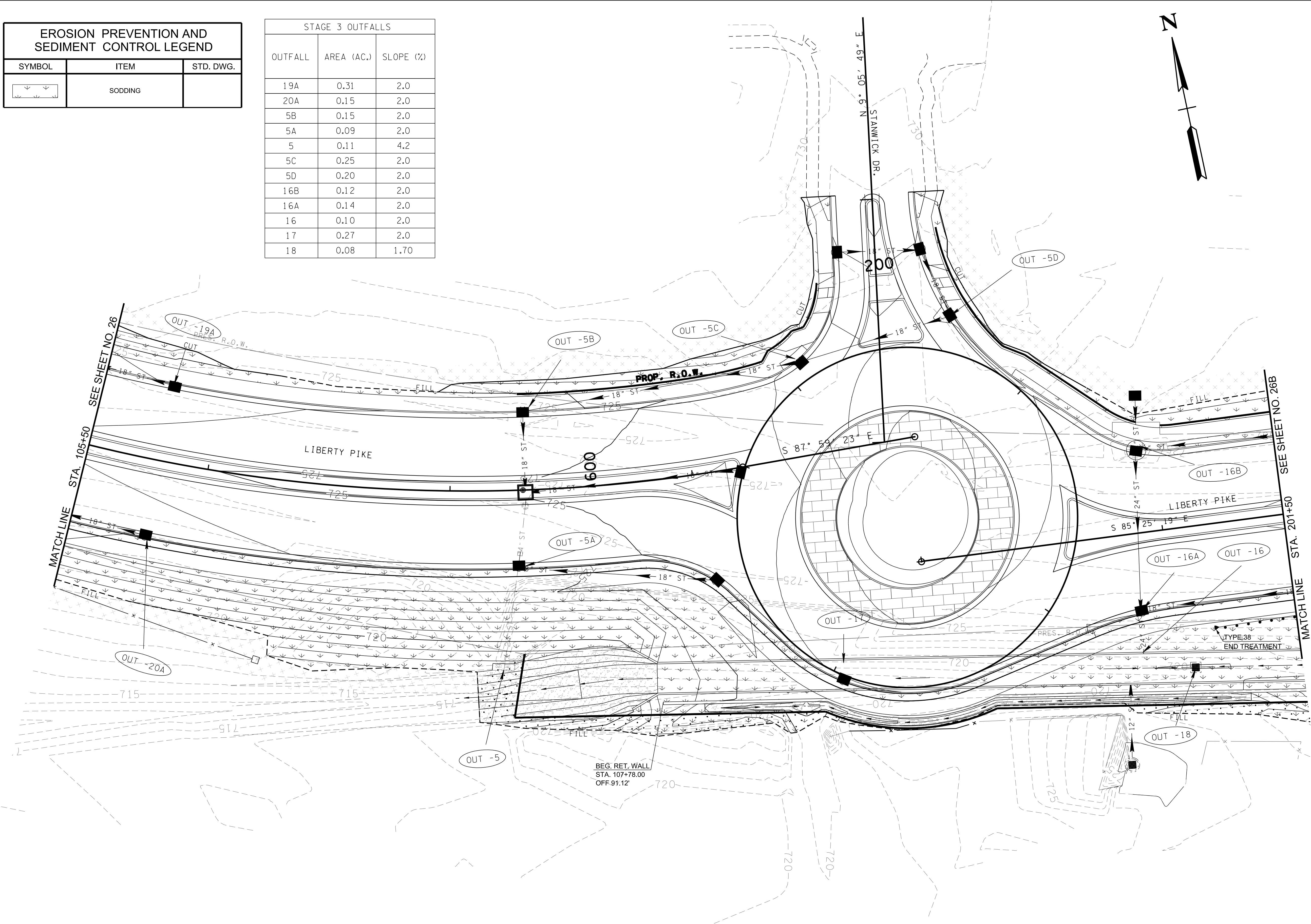
CHECKED BY: _____

YEAR: 2023

SHEET NO:24A

EROSION PREVENTION AND SEDIMENT CONTROL LEGEND		
SYMBOL	ITEM	STD. DWG.
	SODDING	

STAGE 3 OUTFALLS		
OUTFALL	AREA (AC.)	SLOPE (%)
19A	0.31	2.0
20A	0.15	2.0
5B	0.15	2.0
5A	0.09	2.0
5	0.11	4.2
5C	0.25	2.0
5D	0.20	2.0
16B	0.12	2.0
16A	0.14	2.0
16	0.10	2.0
17	0.27	2.0
18	0.08	1.70



REVISIONS		DESCRIPTION
NO.	DATE	BY

EROSION PREVENTION & SEDIMENT CONTROL (EPSC) PLAN PHASE 3

MALLORY LANE / LIBERTY PIKE
FRANKLIN, TENNESSEE

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SUITE 230-1, BRENTWOOD, TN 37027
PHONE: (615) 656-1845 FAX: (615) 656-1870

DATE: _____

DESIGNED BY: _____

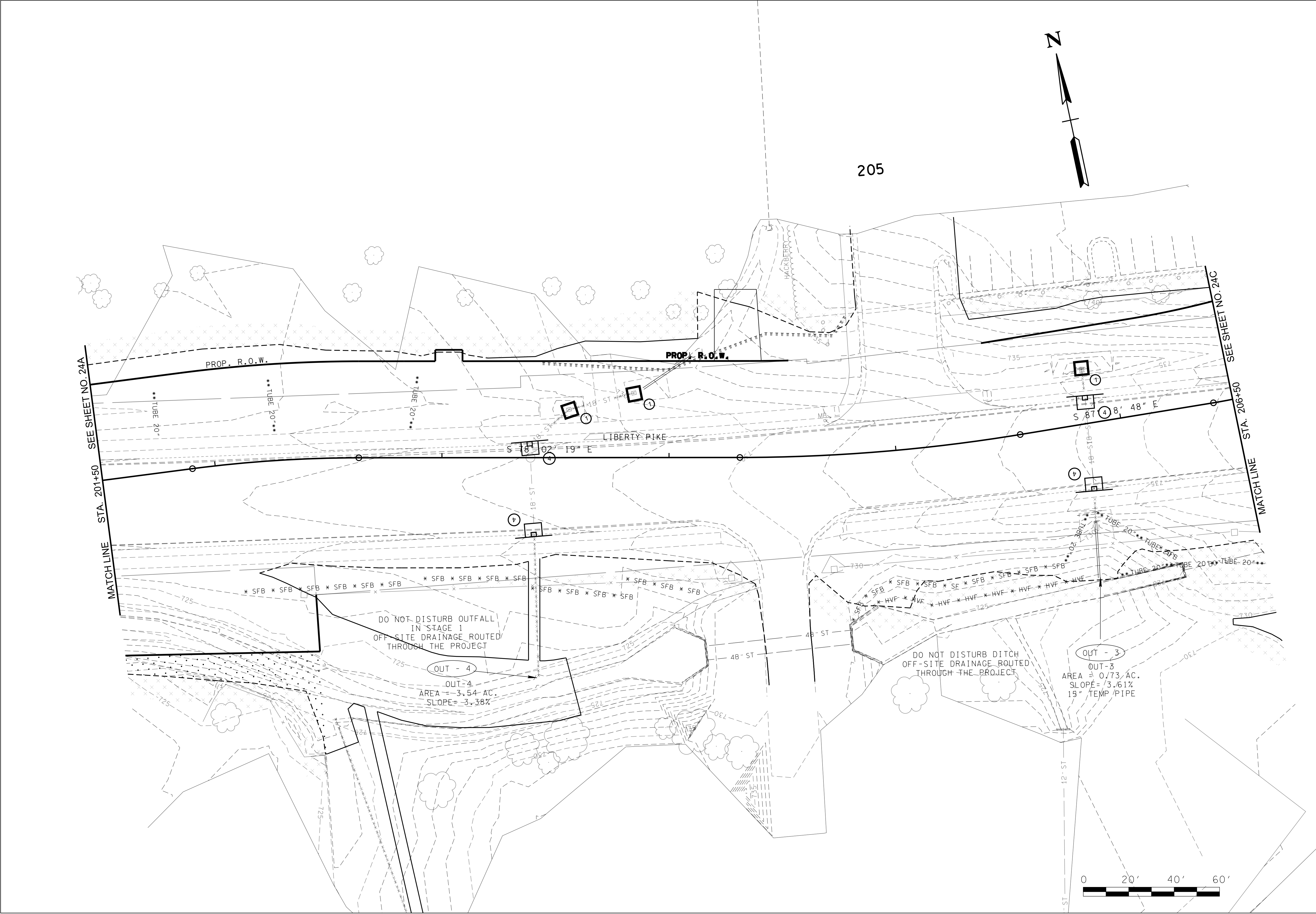
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YEAR: 2023

SHEET NO:26A



REVISIONS		DESCRIPTION	
NO	DATE	BY	

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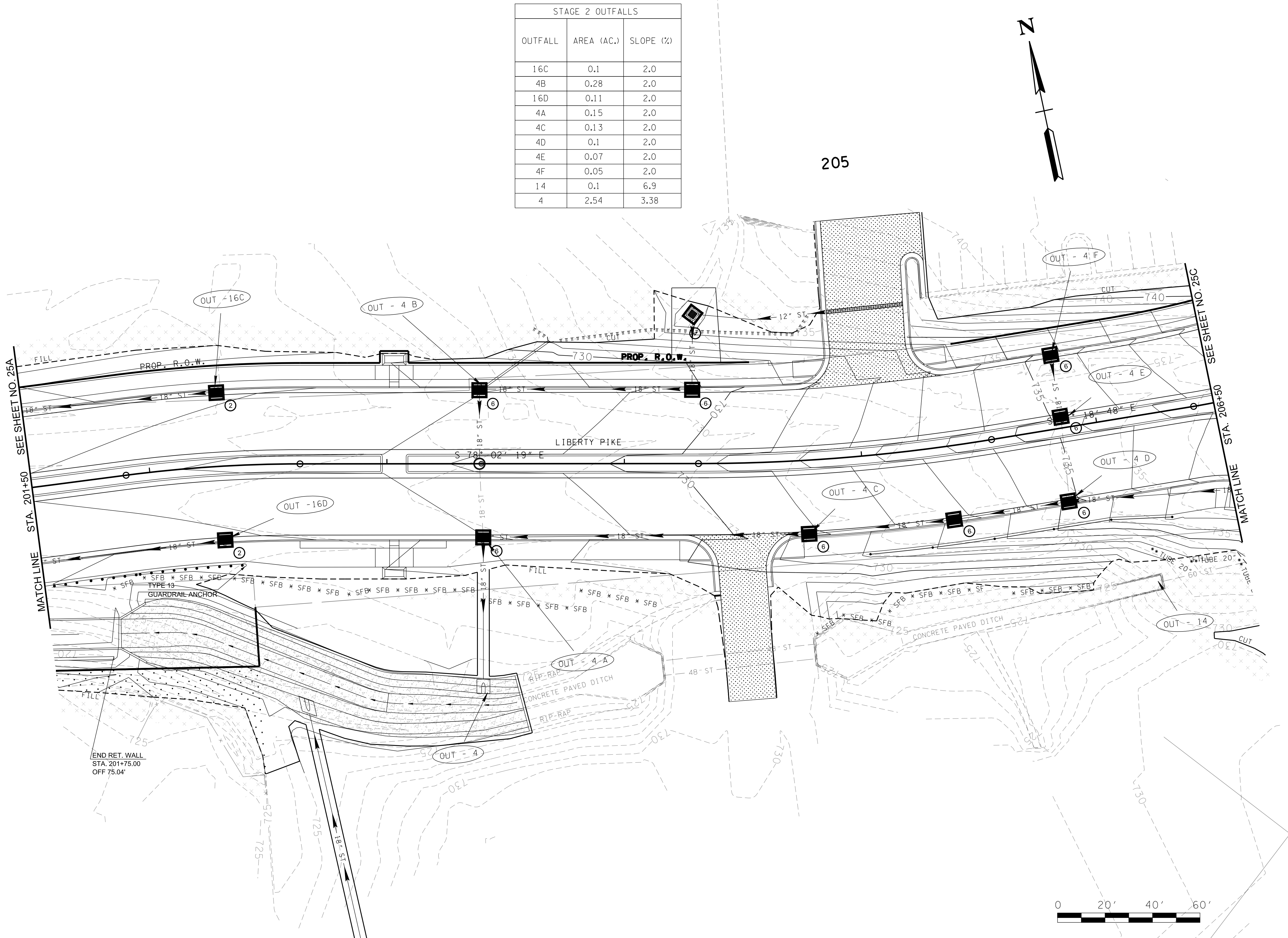
EROSION PREVENTION & SEDIMENT
CONTROL (EPSC) PHASE 1

MALLORY LANE / LIBERTY PIKE
FRANKLIN, TENNESSEE

DATE: _____
DESIGNED BY: _____
DRAWN BY: _____
SUPERVISED BY: _____
CHECKED BY: _____

YEAR: 2023

SHEET NO: 24B



STAGE 2 OUTFALLS		
OUTFALL	AREA (AC.)	SLOPE (%)
16C	0.1	2.0
4B	0.28	2.0
16D	0.11	2.0
4A	0.15	2.0
4C	0.13	2.0
4D	0.1	2.0
4E	0.07	2.0
4F	0.05	2.0
14	0.1	6.9
4	2.54	3.38

REVISIONS		DESCRIPTION	
NO	DATE	BY	

EROSION PREVENTION & SEDIMENT CONTROL (EPSC) PHASE 2

MALLORY LANE / LIBERTY PIKE
FRANKLIN, TENNESSEE

Volkert

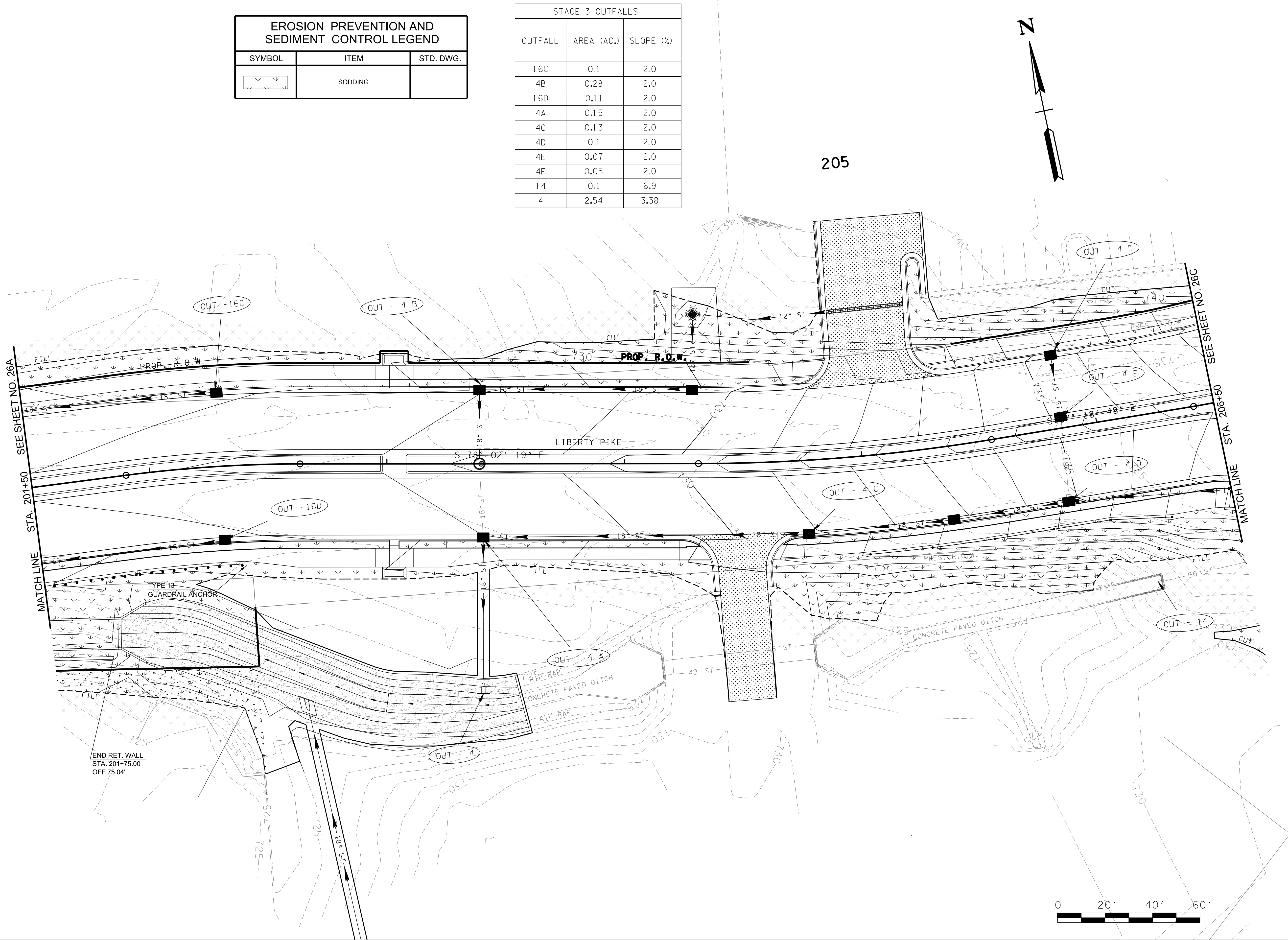
BRENTWOOD COMMONS, 750 OLD HICKORY BLVD.
SUITE 230-1, BRENTWOOD, TN 37027
PHONE: (615) 656-1845 FAX: (615) 656-1870

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CHECKED BY: _____

YEAR: 2023

SHEET NO: 25B

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EROSION PREVENTION AND SEDIMENT CONTROL LEGEND		
SYMBOL	ITEM	STD. DWG.
	SODDING	

STAGE 3 OUTFALLS		
OUTFALL	AREA (AC.)	SLOPE (%)
16C	0.1	2.0
4B	0.28	2.0
16D	0.11	2.0
4A	0.15	2.0
4C	0.13	2.0
4D	0.1	2.0
4E	0.07	2.0
4F	0.05	2.0
14	0.1	6.9
4	2.54	3.38

REVISIONS		DESCRIPTION
NO.	DATE	BY

EROSION PREVENTION & SEDIMENT CONTROL (EPSC) PHASE 3

MALLORY LANE / LIBERTY PIKE
FRANKLIN, TENNESSEE

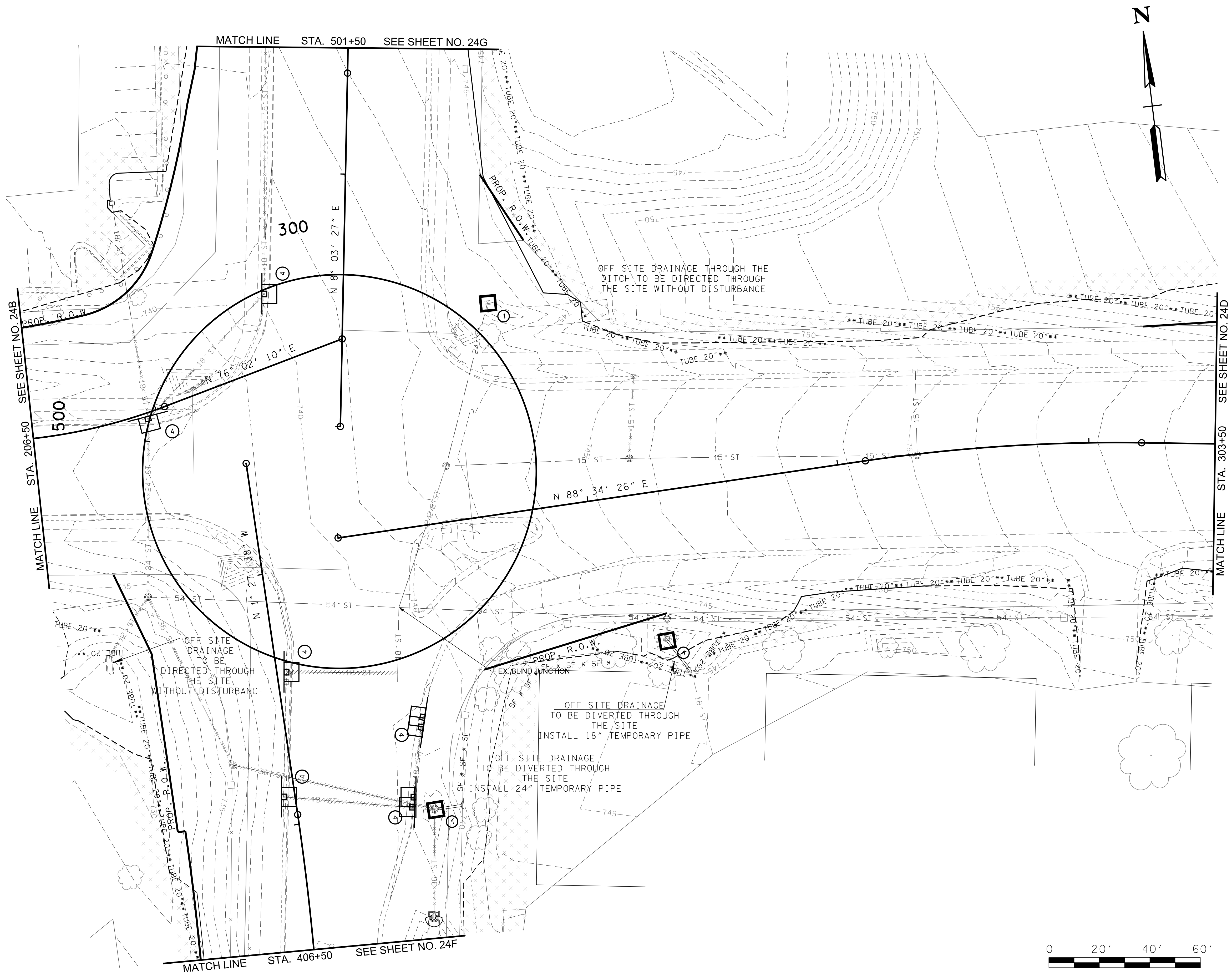
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SUITE 230-1, BRENTWOOD, TN 37027
PHONE: (615) 656-1845 FAX: (615) 656-1870

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YEAR: 2023

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REVISIONS		DESCRIPTION	
NO	DATE	BY	

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SUITE 230-1, BRENTWOOD, TN 37027
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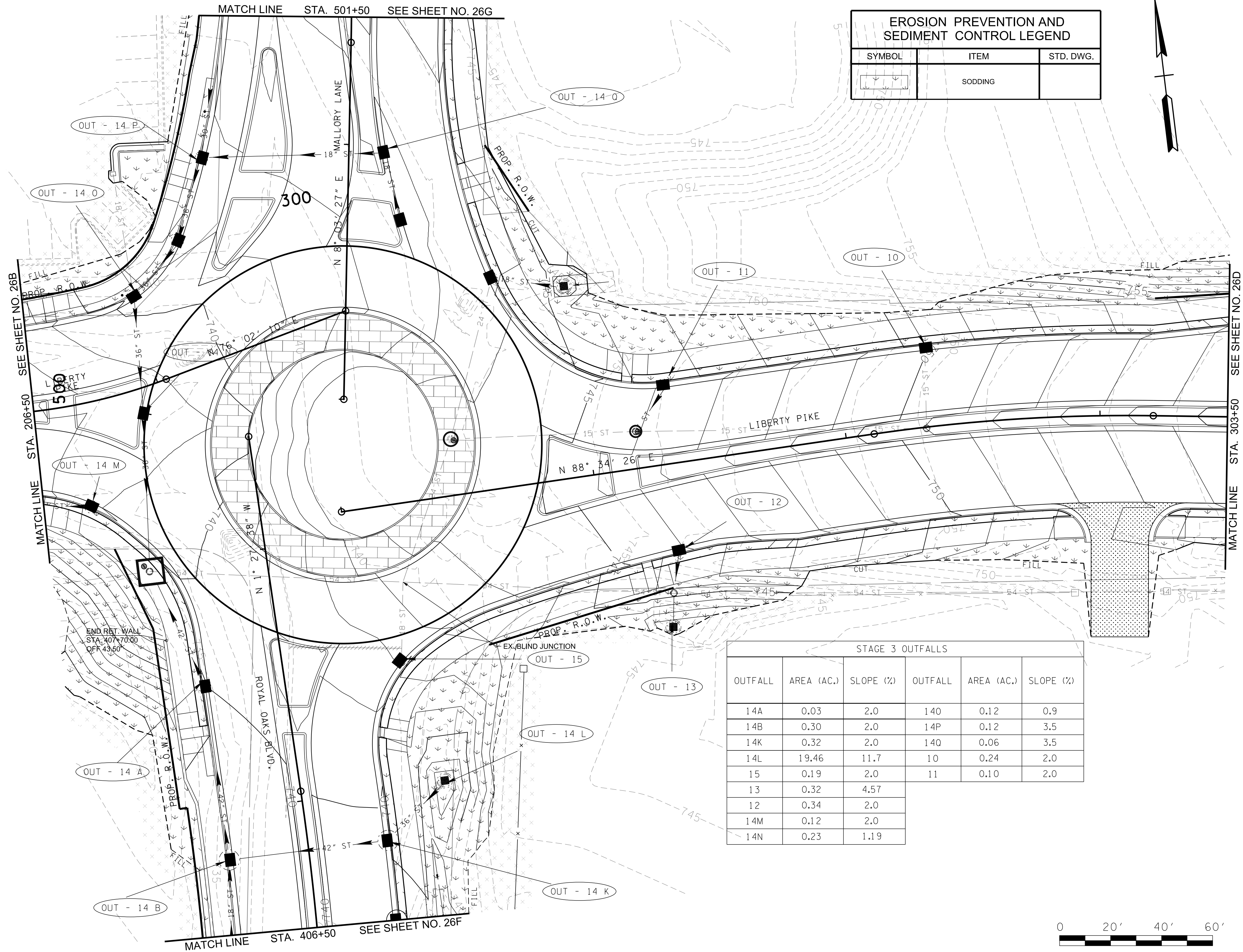
EROSION PREVENTION & SEDIMENT
CONTROL (EPSC) PLAN PHASE 1

MALLORY LANE / LIBERTY PIKE
FRANKLIN, TENNESSEE

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YEAR: 2023

SHEET NO: 24C



EROSION PREVENTION AND SEDIMENT CONTROL LEGEND		
SYMBOL	ITEM	STD. DWG.
	SODDING	

STAGE 3 OUTFALLS					
OUTFALL	AREA (AC.)	SLOPE (%)	OUTFALL	AREA (AC.)	SLOPE (%)
14A	0.03	2.0	14O	0.12	0.9
14B	0.30	2.0	14P	0.12	3.5
14K	0.32	2.0	14Q	0.06	3.5
14L	19.46	11.7	10	0.24	2.0
15	0.19	2.0	11	0.10	2.0
13	0.32	4.57			
12	0.34	2.0			
14M	0.12	2.0			
14N	0.23	1.19			



REVISIONS		DESCRIPTION	
NO.	DATE	BY	

EROSION PREVENTION & SEDIMENT CONTROL (EPSC) PLAN PHASE 3

MALLERY LANE / LIBERTY PIKE
FRANKLIN, TENNESSEE

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SUITE 230-1, BRENTWOOD, TN 37027
PHONE: (615) 656-1845 FAX: (615) 656-1870

DATE: _____

DESIGNED BY: _____

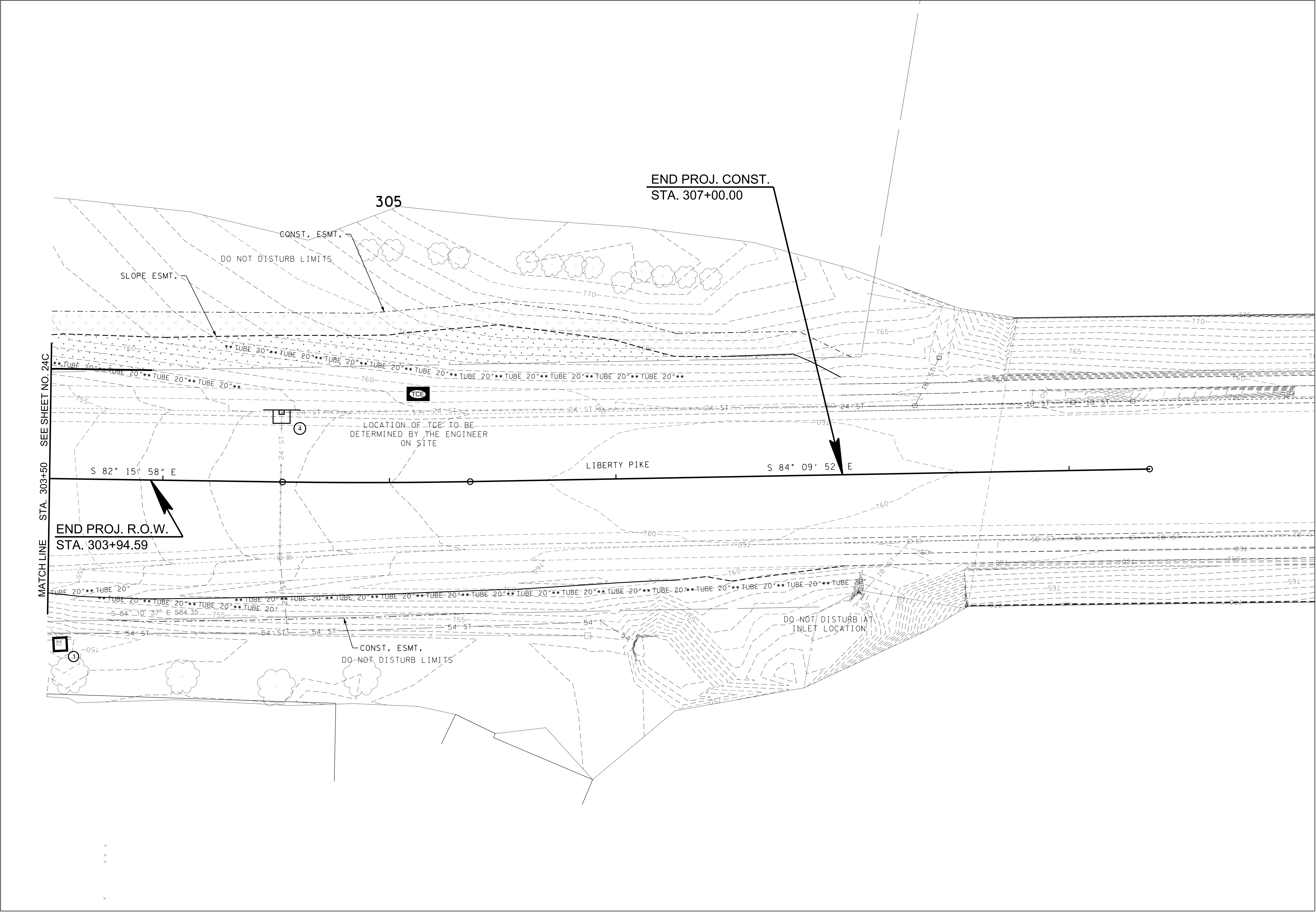
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NO	DATE	BY	

EROSION PREVENTION & SEDIMENT CONTROL (EPSC) PLAN PHASE 1

MALLORY LANE / LIBERTY PIKE
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PHONE: (615) 656-1845 FAX: (615) 656-1870

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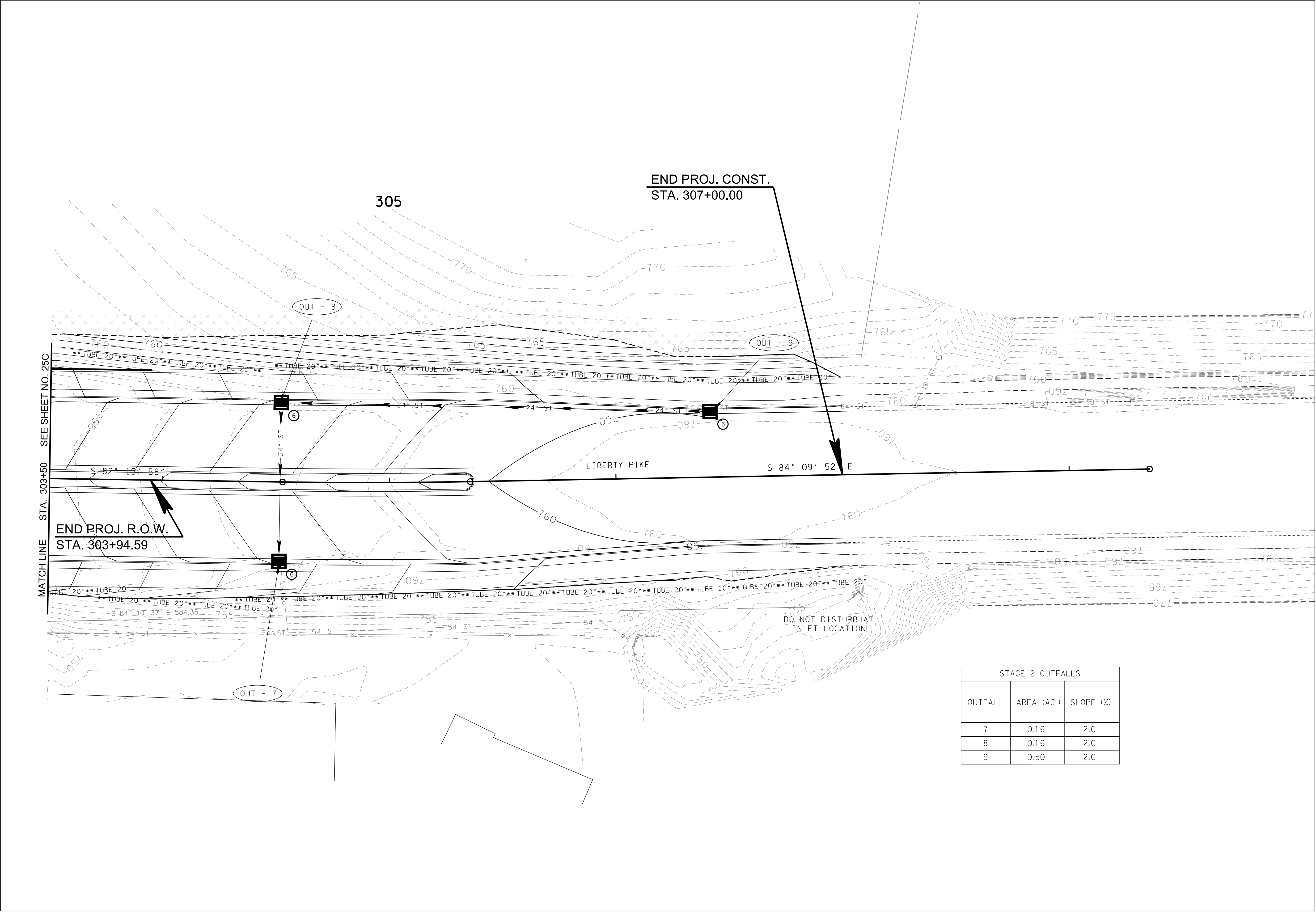
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YEAR: 2023

SHEET NO: 24D

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STAGE 2 OUTFALLS		
OUTFALL	AREA (AC.)	SLOPE (%)
7	0.16	2.0
8	0.16	2.0
9	0.50	2.0

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EROSION PREVENTION & SEDIMENT CONTROL (EPSC) PLAN PHASE 2

MALLORY LANE / LIBERTY PIKE
FRANKLIN, TENNESSEE

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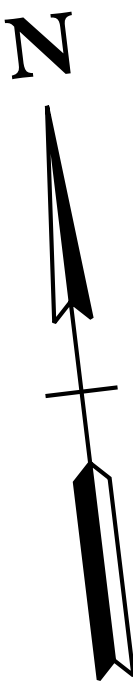
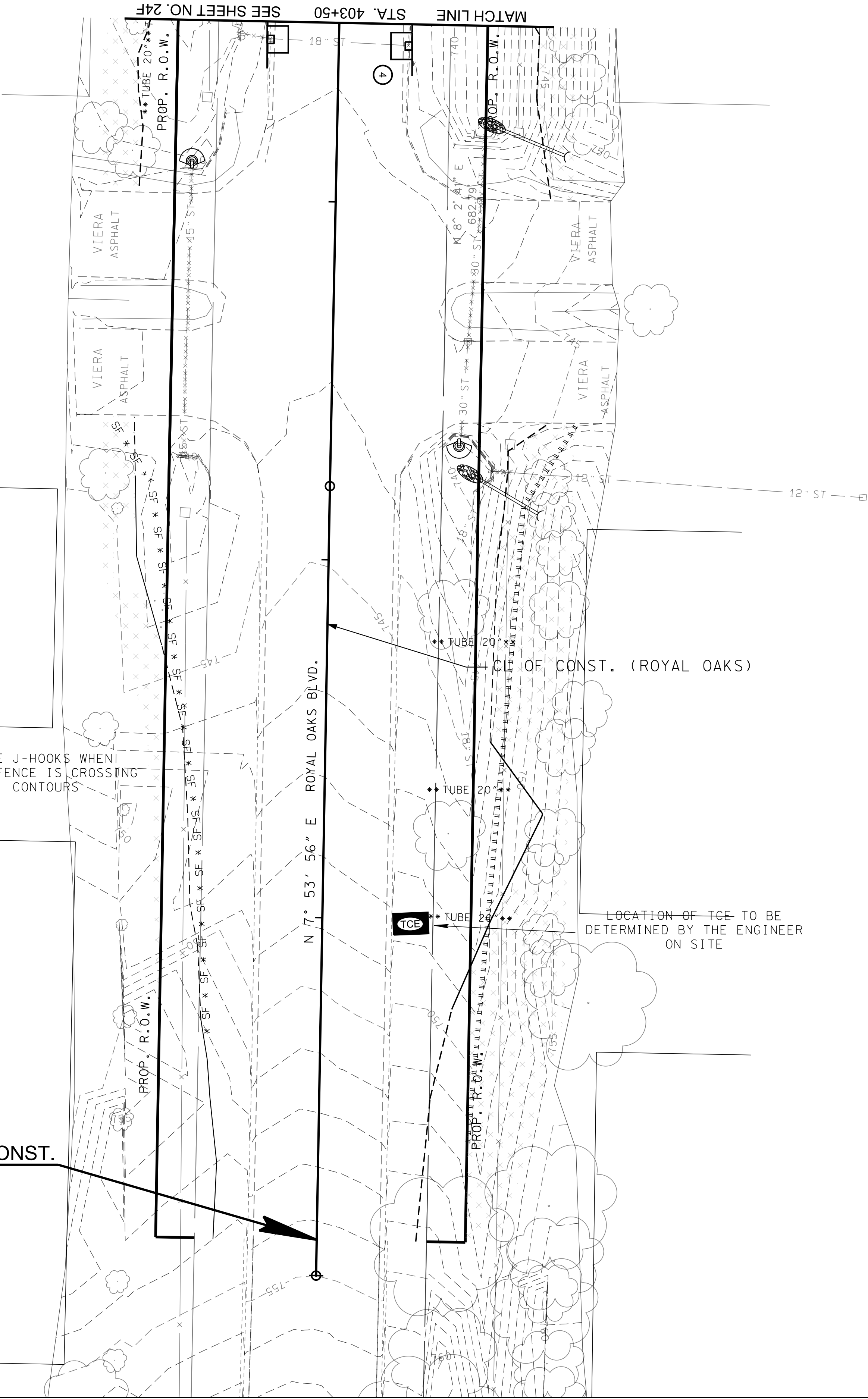
YEAR: 2023

SHEET NO: 25D

BEGIN PROJ. R.O.W./CONST.
STA. 400+10.00

400

USE J-HOOKS WHEN
SILT FENCE IS CROSSING
CONTOURS



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CHECKED BY: _____

YEAR: 2023

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EROSION PREVENTION & SEDIMENT
CONTROL (EPSC) PLAN PHASE 1

MALLORY LANE / LIBERTY PIKE
FRANKLIN, TENNESSEE

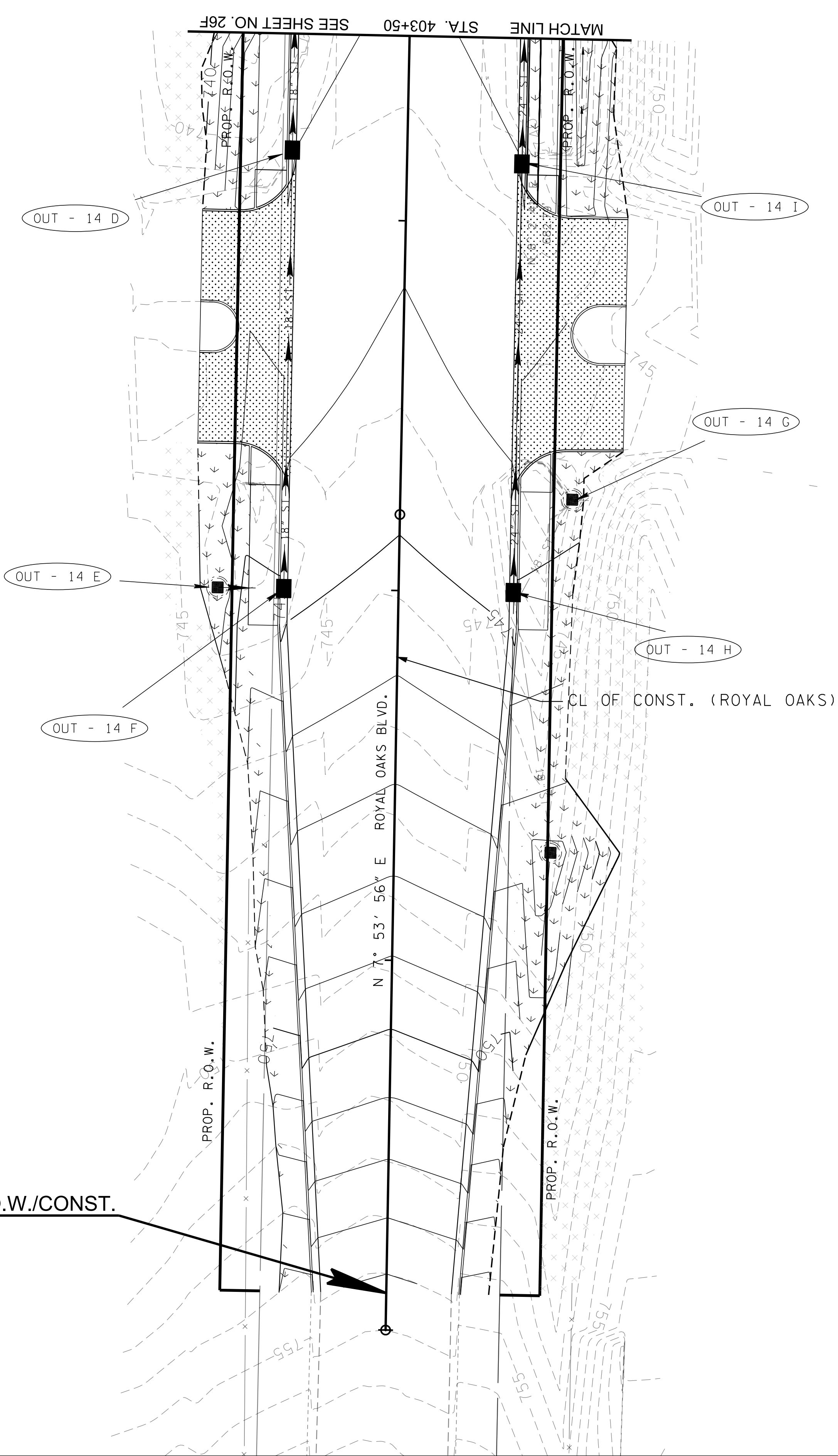
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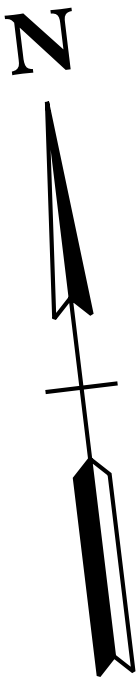
BEGIN PROJ. R.O.W./CONST.
STA. 400+10.00

400



STAGE 3 OUTFALLS		
OUTFALL	AREA (AC.)	SLOPE (%)
14D	0.07	2.0
14I	0.07	2.0
14E	0.19	5.7
14F	0.16	2.0
14G	4.17	10.3
14H	0.18	2.0

EROSION PREVENTION AND SEDIMENT CONTROL LEGEND		
SYMBOL	ITEM	STD. DWG.
	SODDING	



DATE: _____
DESIGNED BY: _____
DRAWN BY: _____
SUPERVISED BY: _____
CHECKED BY: _____

YEAR: 2023

SHEET NO: 26E

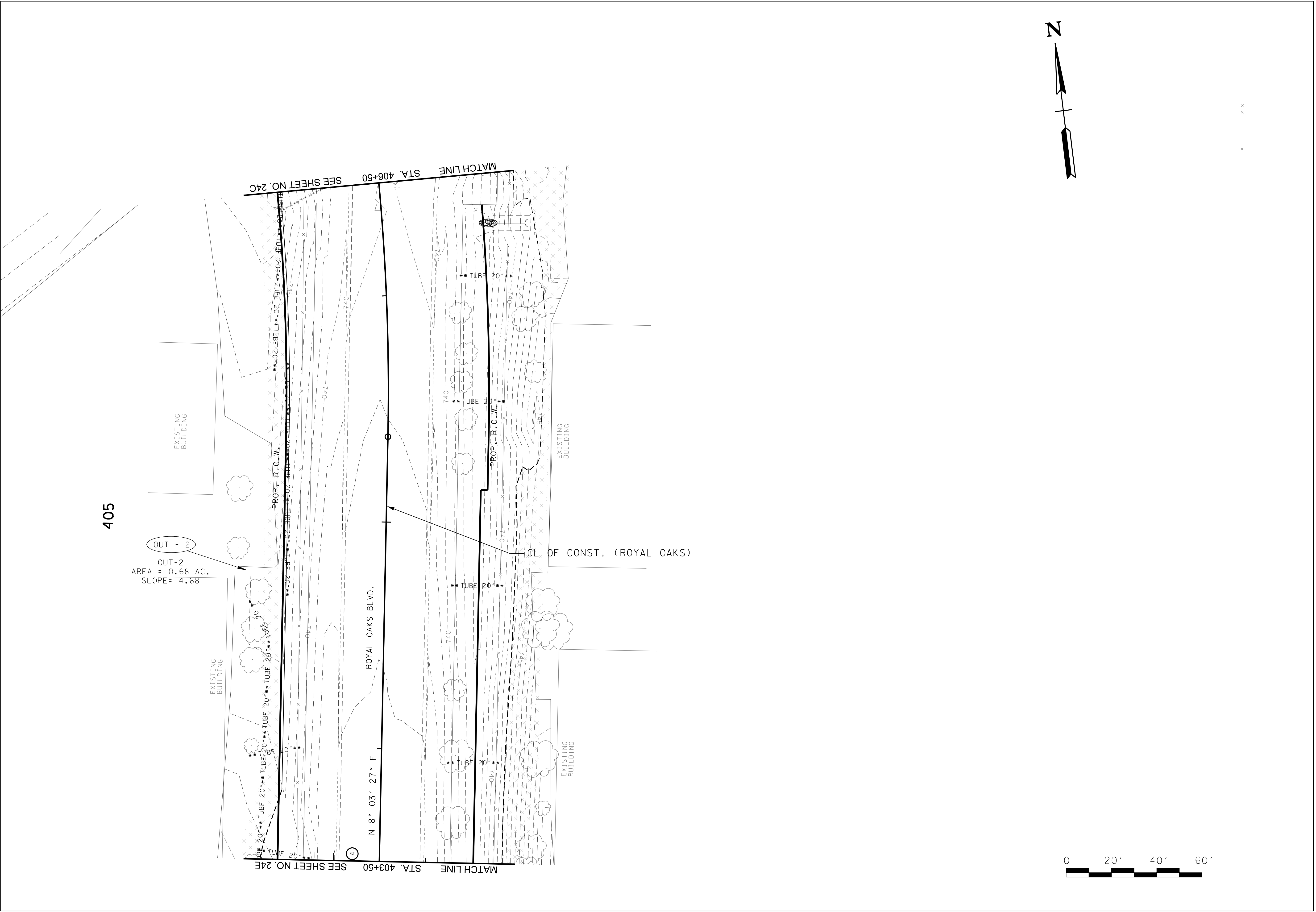
EROSION PREVENTION & SEDIMENT
CONTROL (EPSC) PLAN PHASE 3

MALLORY LANE / LIBERTY PIKE
FRANKLIN, TENNESSEE

Volkert

BRENTWOOD COMMONS, 750 OLD HICKORY BLVD.
SUITE 230-1, BRENTWOOD, TN 37027
PHONE: (615) 656-1845 FAX: (615) 656-1870

REVISIONS		DESCRIPTION
NO	DATE	BY



EROSION PREVENTION & SEDIMENT CONTROL (EPSC) PLAN PHASE 1

MALLORY LANE / LIBERTY PIKE
FRANKLIN, TENNESSEE

DATE: _____

DESIGNED BY: _____

DRAWN BY: _____

SUPERVISED BY: _____

CHECKED BY: _____

YEAR: 2023

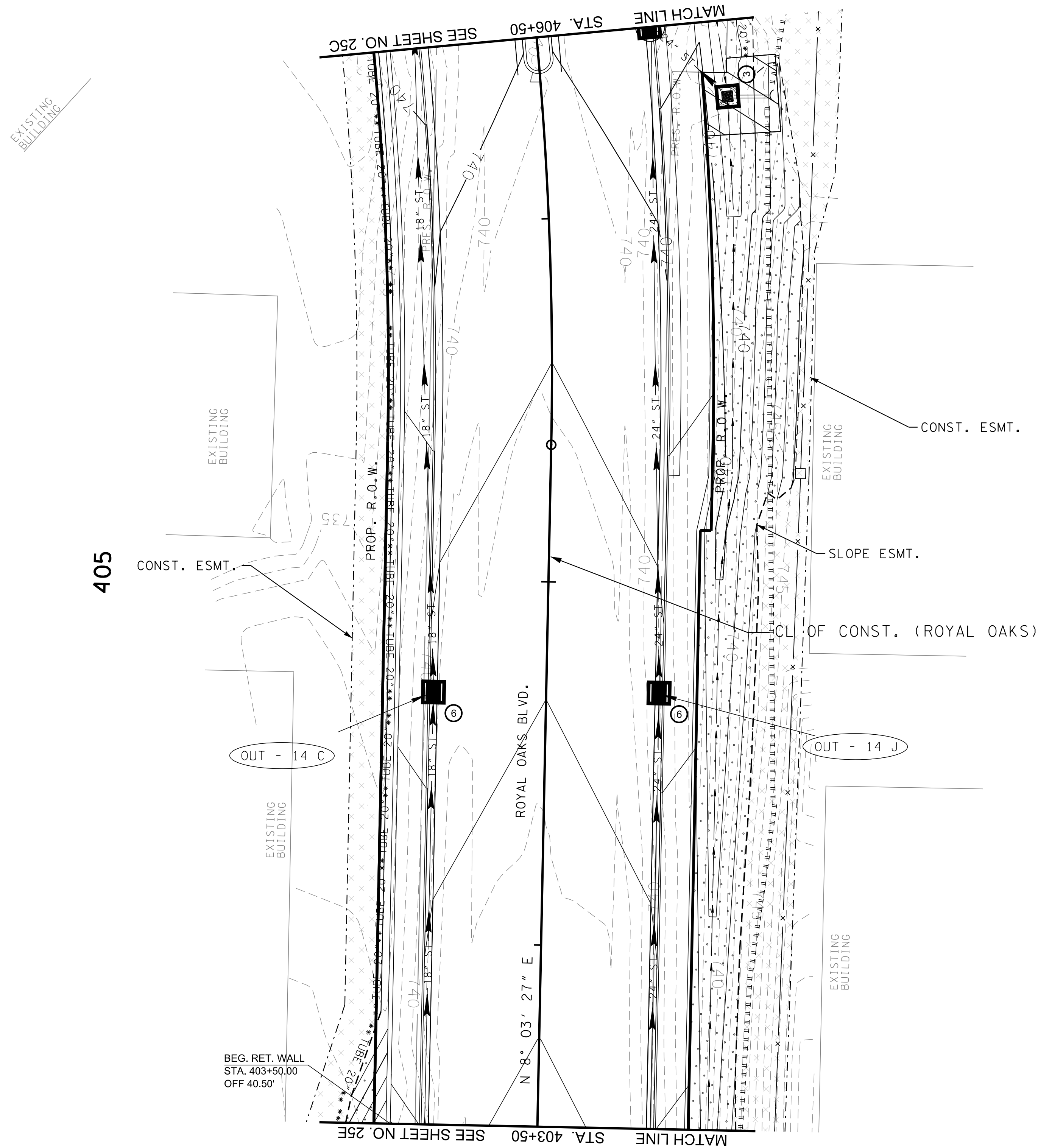
SHEET NO: 24F

REVISIONS

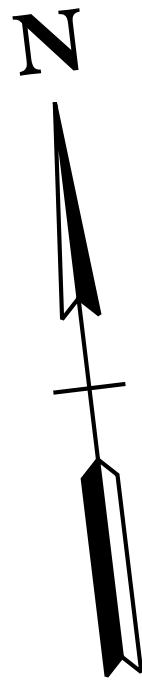
NO	DATE	BY	DESCRIPTION

Volkert

BRENTWOOD COMMONS, 750 OLD HICKORY BLVD.
SUITE 230-1, BRENTWOOD, TN 37027
PHONE: (615) 656-1845 FAX: (615) 656-1870



STAGE 2 OUTFALLS		
OUTFALL	AREA (AC.)	SLOPE (%)
14J	0.17	2.0
14C	0.13	2.0

[illegible]

EROSION PREVENTION & SEDIMENT CONTROL (EPSC) PLAN PHASE 2

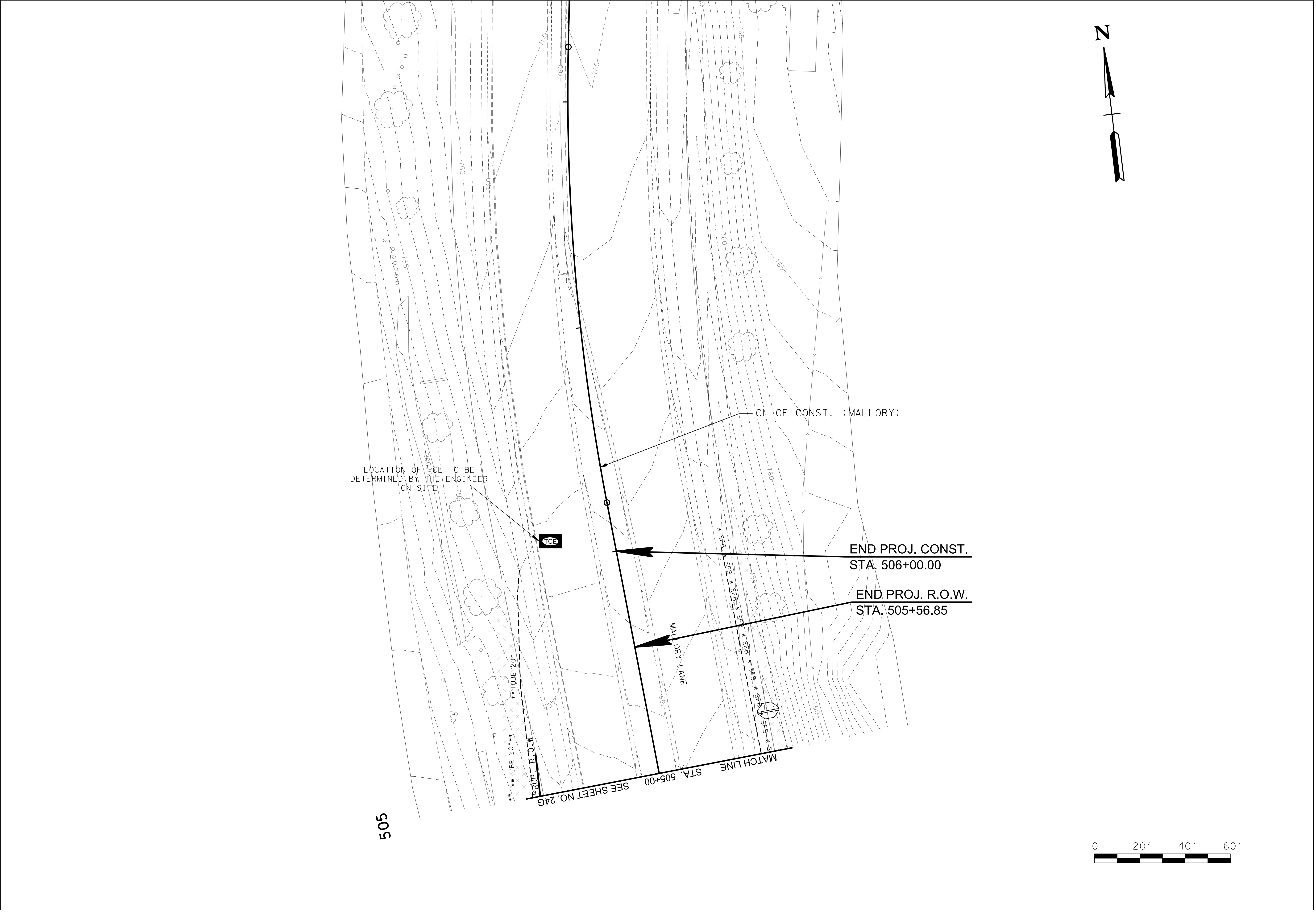
MALLORY LANE / LIBERTY PIKE
FRANKLIN, TENNESSEE

DATE: _____
DESIGNED BY: _____
DRAWN BY: _____
SUPERVISED BY: _____
CHECKED BY: _____

YEAR: 2023

SHEET NO:25F

70 of 634



EROSION PREVENTION & SEDIMENT CONTROL (EPSC) PLAN PHASE 1

MALLORY LANE / LIBERTY PIKE
FRANKLIN, TENNESSEE

DATE: _____

DESIGNED BY: _____

DRAWN BY: _____

SUPERVISED BY: _____

CHECKED BY: _____

YEAR: 2023

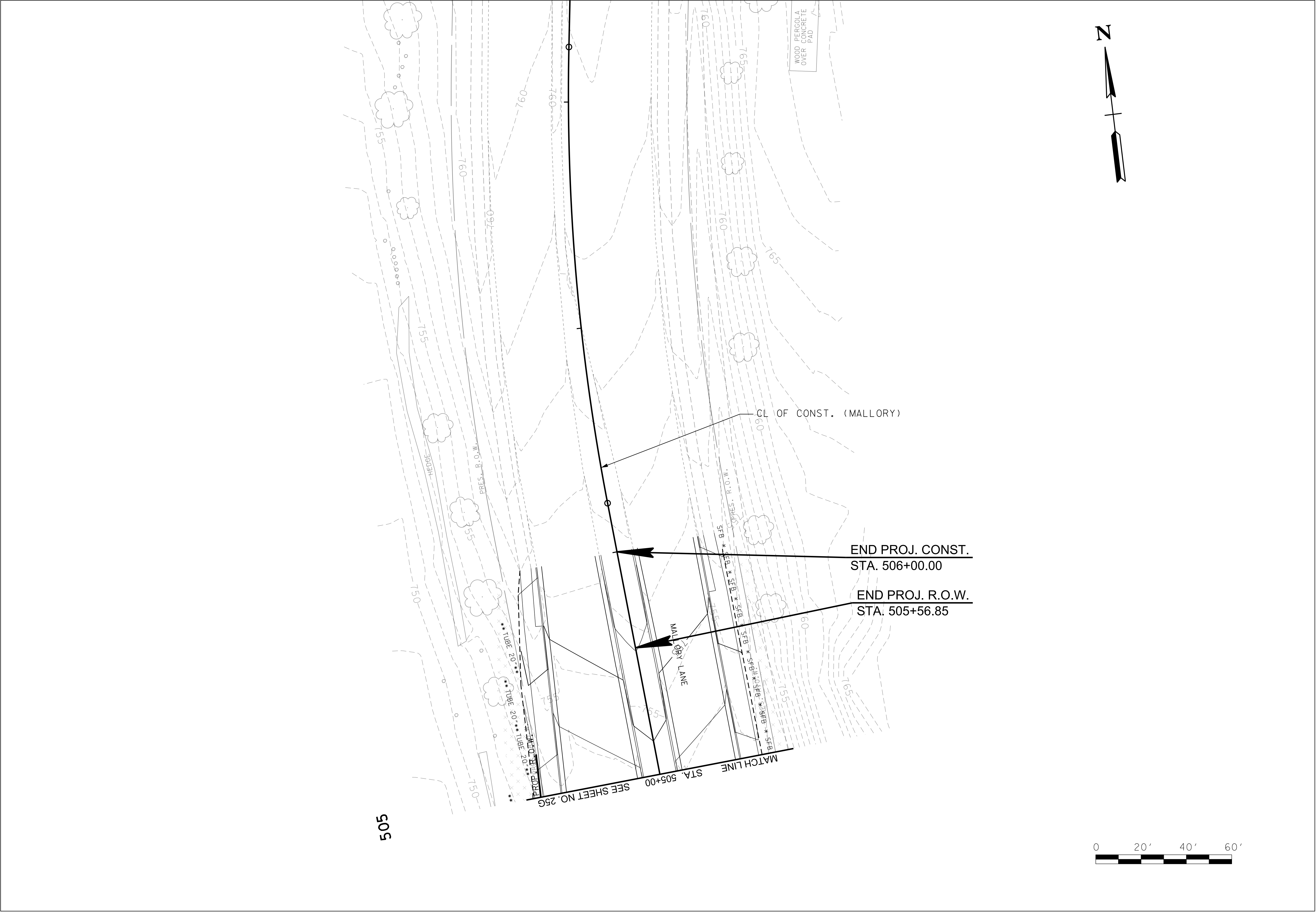
SHEET NO:24H

REVISIONS

NO	DATE	BY	DESCRIPTION

Volkert

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SUITE 230-1, BRENTWOOD, TN 37027
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REVISIONS		DESCRIPTION	
NO	DATE	BY	

Volkert

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SUITE 230-1, BRENTWOOD, TN 37027
PHONE: (615) 656-1845 FAX: (615) 656-1870

EROSION PREVENTION & SEDIMENT
CONTROL (EPSC) PLAN PHASE 2

MALLORY LANE / LIBERTY PIKE
FRANKLIN, TENNESSEE

DATE: _____

DESIGNED BY: _____

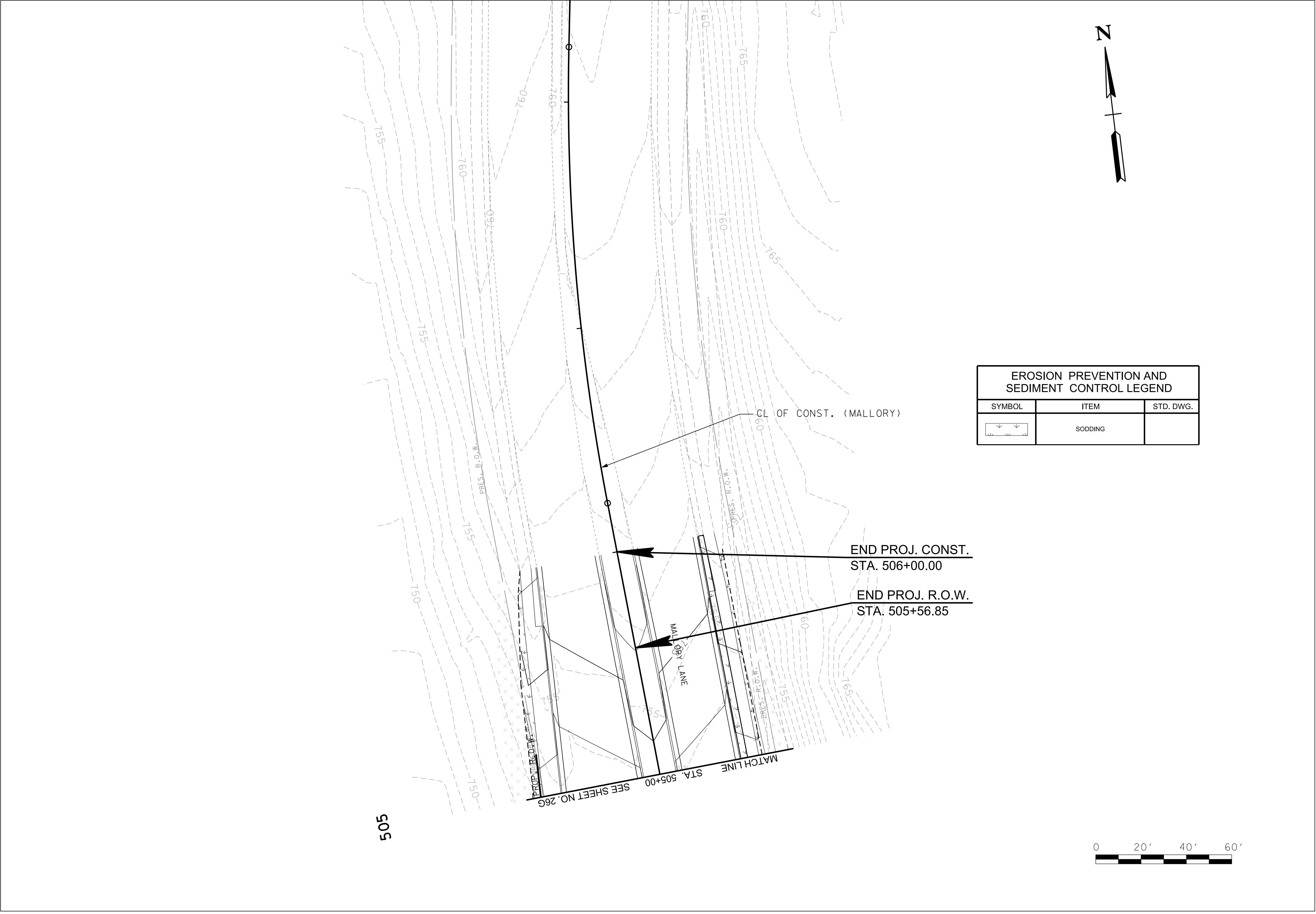
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SUPERVISED BY: _____

CHECKED BY: _____

YEAR: 2023

SHEET NO:25H



EROSION PREVENTION AND SEDIMENT CONTROL LEGEND		
SYMBOL	ITEM	STD. DWG.
	SODDING	

REVISIONS		DESCRIPTION
NO.	DATE	BY

Volkert

BRENTWOOD COMMONS, 750 OLD HICKORY BLVD.
SUITE 230-1, BRENTWOOD, TN 37027
PHONE: (615) 656-1845 FAX: (615) 656-1870

EROSION PREVENTION & SEDIMENT CONTROL (EPSC) PLAN PHASE 3

MALLORY LANE / LIBERTY PIKE
FRANKLIN, TENNESSEE

DATE: _____

DESIGNED BY: _____

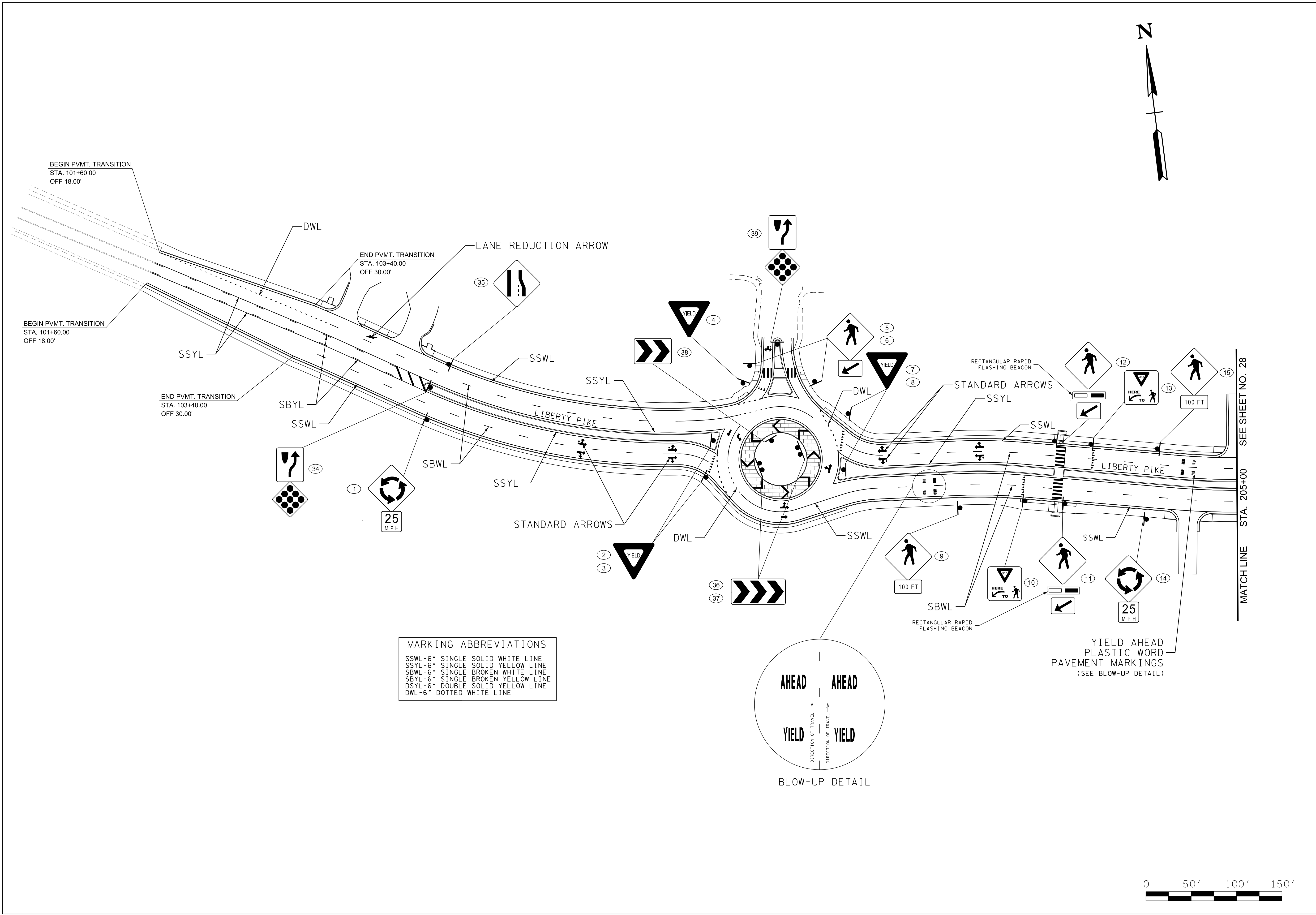
DRAWN BY: _____

SUPERVISED BY: _____

CHECKED BY: _____

YEAR: 2023

SHEET NO:26H



MARKING ABBREVIATIONS	
SSWL-6"	SINGLE SOLID WHITE LINE
SSYL-6"	SINGLE SOLID YELLOW LINE
SBWL-6"	SINGLE BROKEN WHITE LINE
SBYL-6"	SINGLE BROKEN YELLOW LINE
DSYL-6"	DOUBLE SOLID YELLOW LINE
DWL-6"	DOTTED WHITE LINE

REVISIONS	
NO.	DESCRIPTION

Volkert

BRENTWOOD COMMONS, 750 OLD HICKORY BLVD.
SUITE 230-1, BRENTWOOD, TN 37027
PHONE: (615) 656-1845 FAX: (615) 656-1870

SIGNING AND PAVEMENT MARKING PLANS

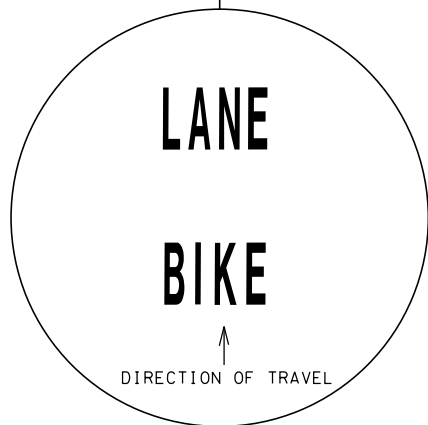
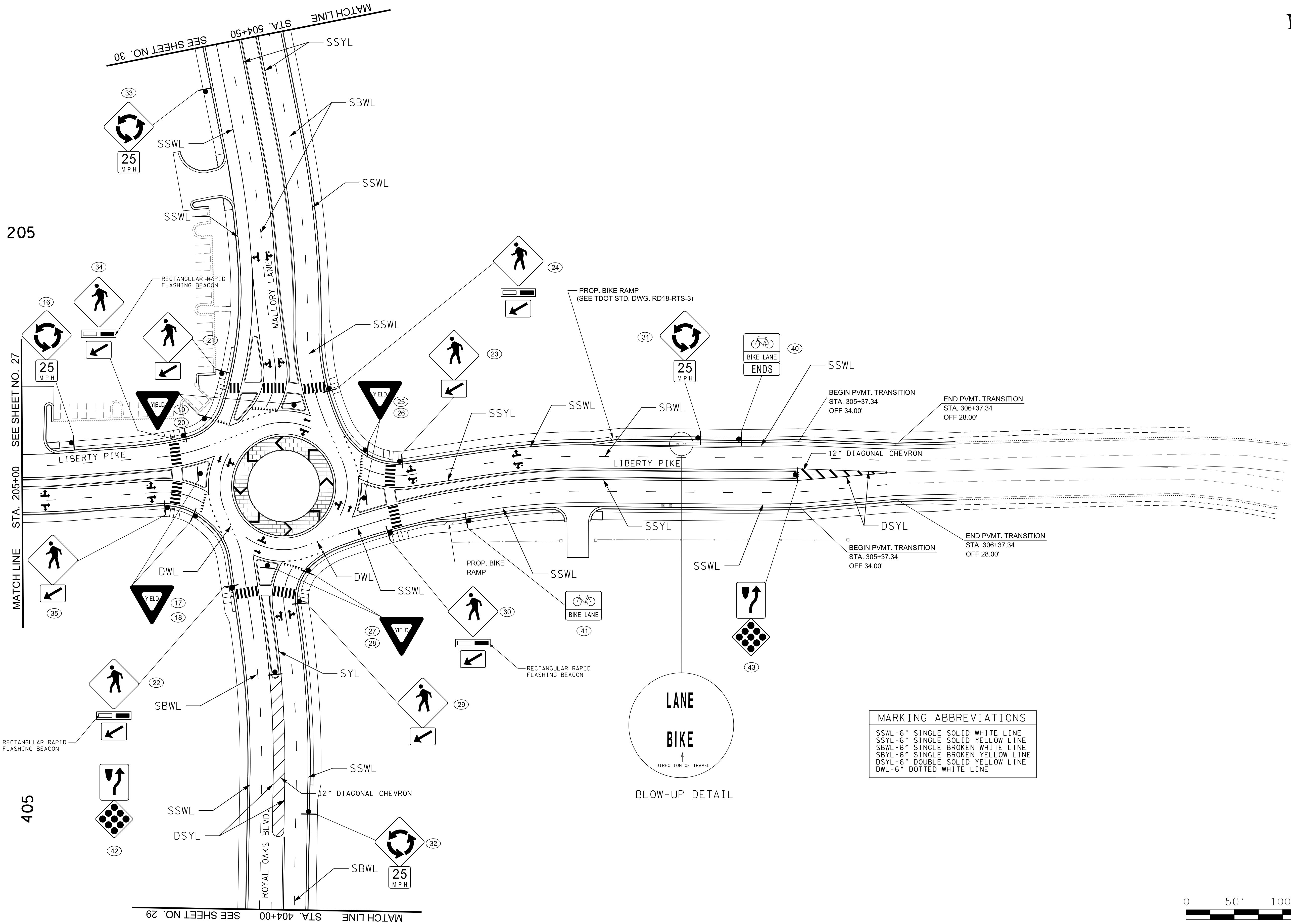
MALLORY LANE / LIBERTY PIKE
FRANKLIN, TENNESSEE

DATE: _____
DESIGNED BY: _____
DRAWN BY: _____
SUPERVISED BY: _____
CHECKED BY: _____

YEAR: 2023

SHEET NO: 27

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BLOW-UP DETAIL

MARKING ABBREVIATIONS	
SSWL-6"	SINGLE SOLID WHITE LINE
SSYL-6"	SINGLE SOLID YELLOW LINE
SBWL-6"	SINGLE BROKEN WHITE LINE
SBYL-6"	SINGLE BROKEN YELLOW LINE
DSYL-6"	DOUBLE SOLID YELLOW LINE
DWL-6"	DOTTED WHITE LINE



REVISIONS	
NO	DATE

Volkert

BRENTWOOD COMMONS, 750 OLD HICKORY BLVD.
SUITE 230-1, BRENTWOOD, TN 37027
PHONE: (615) 656-1845 FAX: (615) 656-1870

SIGNING AND PAVEMENT
MARKING PLANS

MALLERY LANE / LIBERTY PIKE
FRANKLIN, TENNESSEE

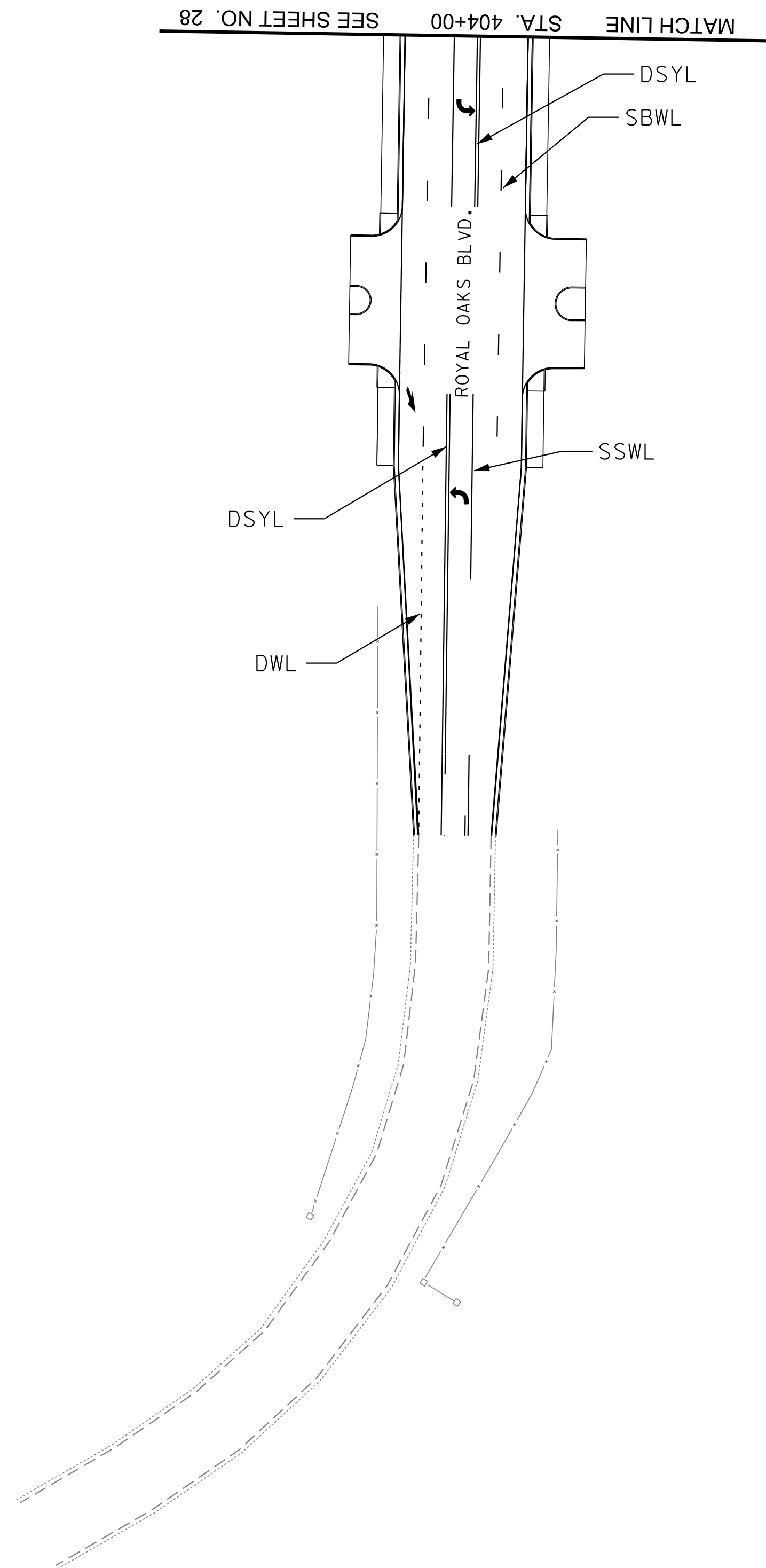
DATE: _____

DESIGNED BY: _____

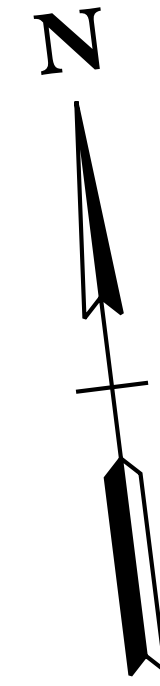
DRAWN BY: _____

SUPERVISED BY: _____

CHECKED BY: _____



MARKING ABBREVIATIONS	
SSWL-6"	SINGLE SOLID WHITE LINE
SSYL-6"	SINGLE SOLID YELLOW LINE
SBWL-6"	SINGLE BROKEN WHITE LINE
SBYL-6"	SINGLE BROKEN YELLOW LINE
DSYL-6"	DOUBLE SOLID YELLOW LINE
DWL-6"	DOTTED WHITE LINE



DATE: _____
DESIGNED BY: _____
DRAWN BY: _____
SUPERVISED BY: _____
CHECKED BY: _____

YEAR: 2023

SHEET NO: 29

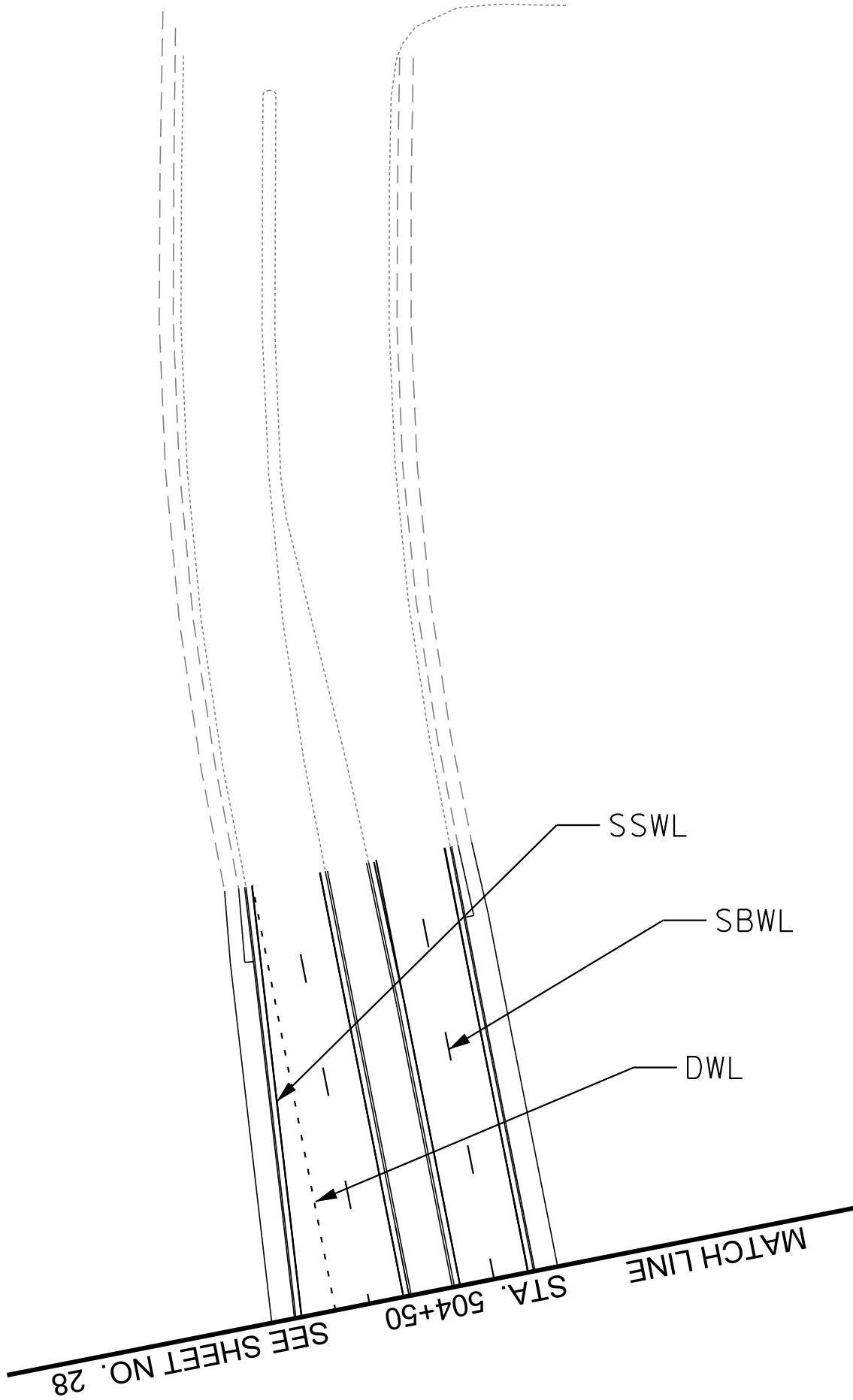
SIGNING AND PAVEMENT
MARKING PLANS

MALLORY LANE / LIBERTY PIKE
FRANKLIN, TENNESSEE

VOLKERT

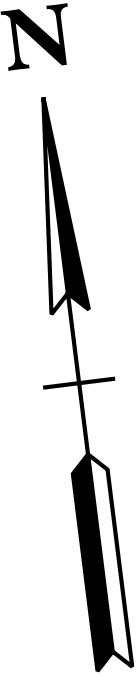
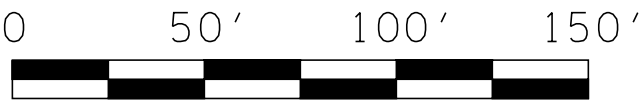
BRENTWOOD COMMONS, 750 OLD HICKORY BLVD.
SUITE 230-1, BRENTWOOD, TN 37027
PHONE: (615) 656-1845 FAX: (615) 656-1870

[illegible]



MARKING ABBREVIATIONS

- SSWL-6" SINGLE SOLID WHITE LINE
- SSYL-6" SINGLE SOLID YELLOW LINE
- SBWL-6" SINGLE BROKEN WHITE LINE
- SBYL-6" SINGLE BROKEN YELLOW LINE
- DSYL-6" DOUBLE SOLID YELLOW LINE
- DWL-6" DOTTED WHITE LINE



DATE: _____
DESIGNED BY: _____
DRAWN BY: _____
SUPERVISED BY: _____
CHECKED BY: _____

YEAR: 2023

SHEET NO: 30

SIGNING AND PAVEMENT
MARKING PLANS

MALLORY LANE / LIBERTY PIKE
FRANKLIN, TENNESSEE

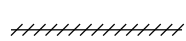
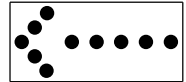
Volkert

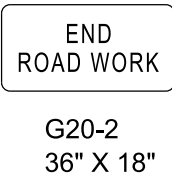
BRENTWOOD COMMONS, 750 OLD HICKORY BLVD.
SUITE 230-1, BRENTWOOD, TN 37027
PHONE: (615) 656-1845 FAX: (615) 656-1870

REVISIONS		DESCRIPTION	
NO	DATE	BY	

PHASE 1

MILL EXISTING PAVEMENT APPROXIMATELY 1.5" AND REMOVE EXISTING CONCRETE ISLANDS ON MALLORY LANE AND LIBERTY PIKE WITHIN THE PROJECT LIMITS.

TRAFFIC CONTROL LEGEND	
SYMBOL	ITEM
	WORK ZONE
	FLEXIBLE DRUMS (CHANNELIZING)
	TRAFFIC FLOW
	ARROW BOARD TYPE C
	SIGN (CONSTRUCTION)
	REMOVE PAVEMENT STRIPING
	ARROW BOARD TYPE C (SINGLE ARROW)
	TEMPORARY BARRICADE (TYPE III)
	WARNING LIGHT (TYPE C) (LOW-INTENSITY FLASHING)



REVISIONS		DESCRIPTION	
NO	DATE	BY	

Volkert

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SUITE 230-1, BRENTWOOD, TN 37027
PHONE: (615) 656-1845 FAX: (615) 656-1870

TRAFFIC CONTROL PLAN
PHASING AND QUANTITIES

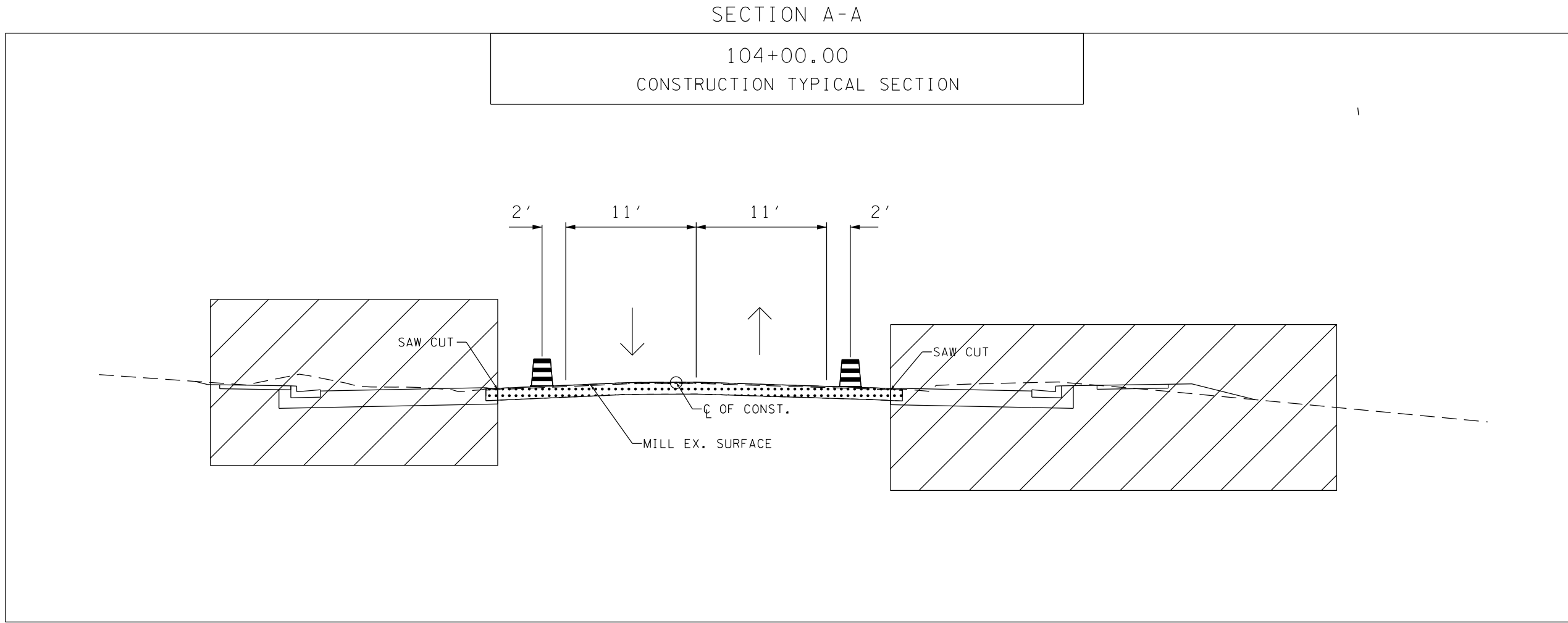
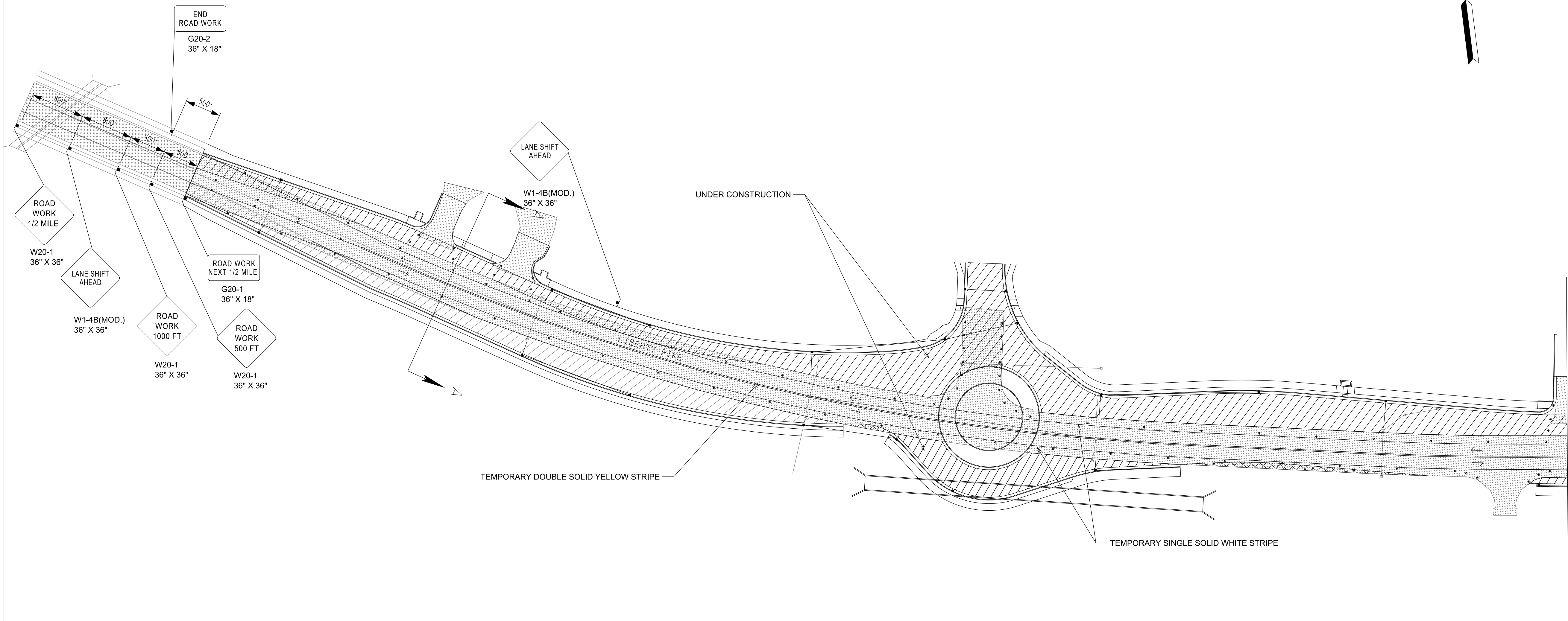
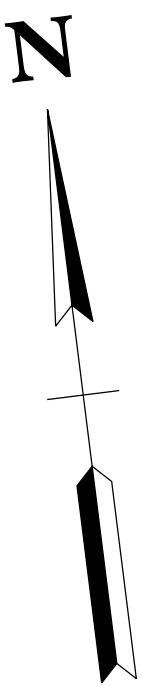
MALLORY LANE / LIBERTY PIKE
FRANKLIN, TENNESSEE

DATE: _____
DESIGNED BY: _____
DRAWN BY: _____
SUPERVISED BY: _____
CHECKED BY: _____

YEAR: 2023

SHEET NO: 32

PHASE 2



PAVEMENT LEGEND	
SYMBOL	ITEM
	EXISTING PAVEMENT
	PAVEMENT REMOVAL

NOT TO SCALE

REVISIONS	
NO.	DATE

Volkert

BRENTWOOD COMMONS, 750 OLD HICKORY BLVD.
SUITE 230-1, BRENTWOOD, TN 37027
PHONE: (615) 656-1845 FAX: (615) 656-1870

TRAFFIC CONTROL PLAN PHASE 2

MALLORY LANE / LIBERTY PIKE
FRANKLIN, TENNESSEE

DATE: _____

DESIGNED BY: _____

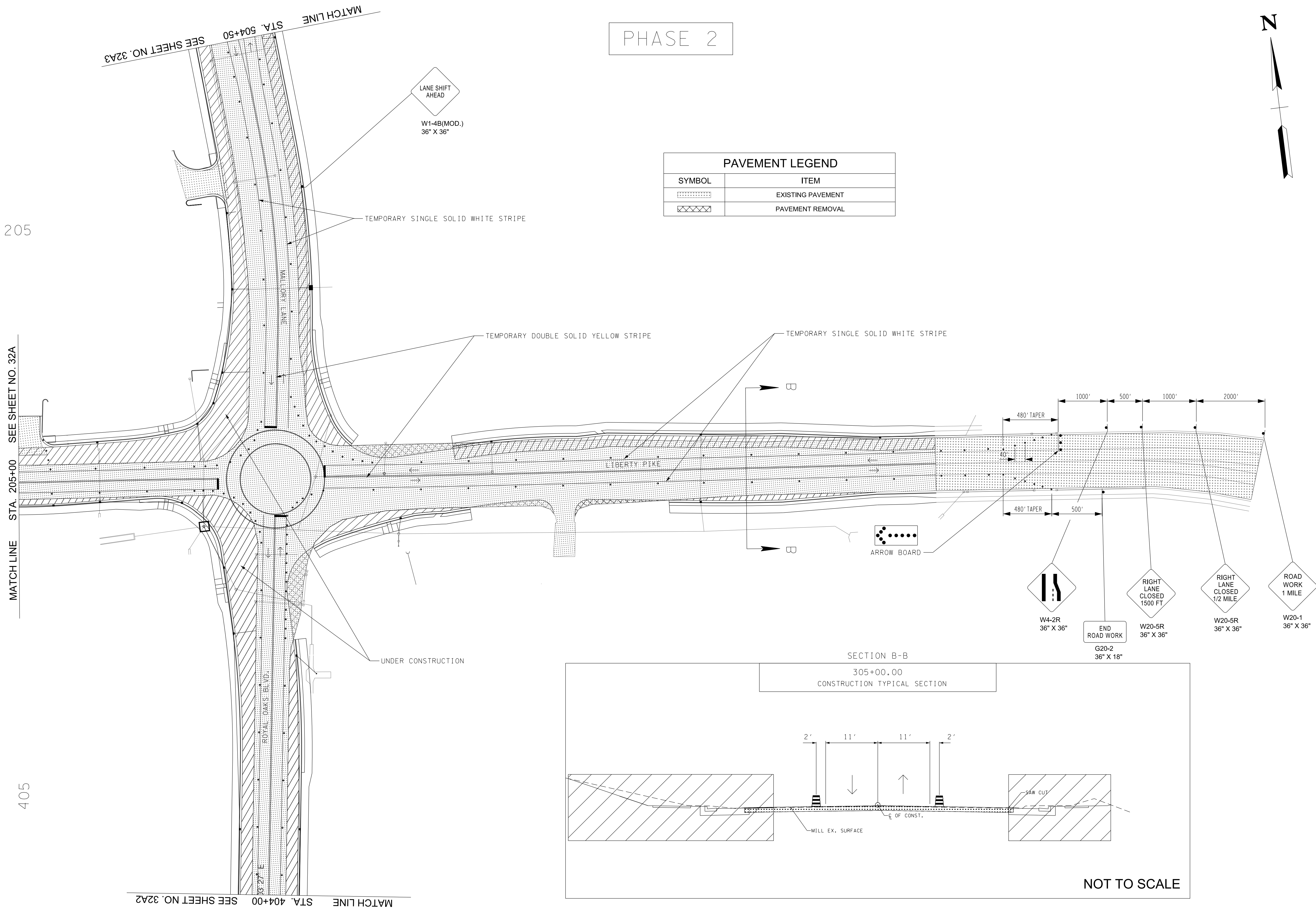
DRAWN BY: _____

SUPERVISED BY: _____

CHECKED BY: _____

YEAR: 2023

SHEET NO: 32A



REVISIONS		DESCRIPTION	
NO	DATE	BY	

Volkert

BRENTWOOD COMMONS, 750 OLD HICKORY BLVD.,
SUITE 230-1, BRENTWOOD, TN 37027
PHONE: (615) 656-1845 FAX: (615) 656-1870

TRAFFIC CONTROL PLAN PHASE 2

MALLORY LANE / LIBERTY PIKE
FRANKLIN, TENNESSEE

DATE: _____

DESIGNED BY: _____

DRAWN BY: _____

SUPERVISED BY: _____

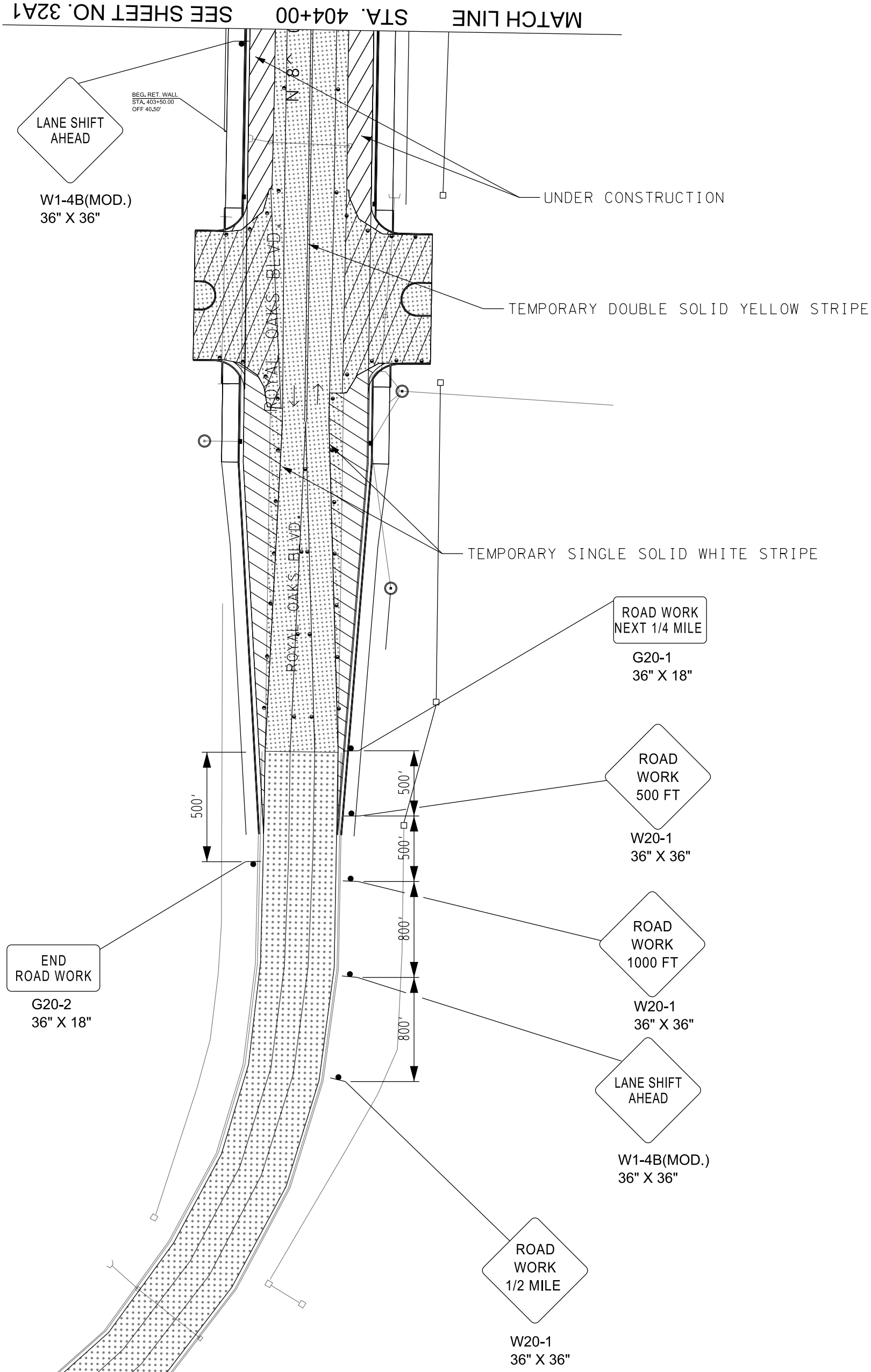
CHECKED BY: _____

YEAR: 2023

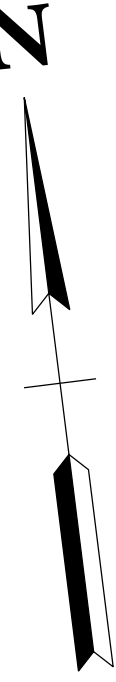
SHEET NO: 32A1

Page 384 of 634

PHASE 2



PAVEMENT LEGEND	
SYMBOL	ITEM
	EXISTING PAVEMENT
	PAVEMENT REMOVAL



NOT TO SCALE

[illegible]

VOLKERT

BRENTWOOD COMMONS, 750 OLD HICKORY BLVD.
SUITE 230-1, BRENTWOOD, TN 37027
PHONE: (615) 656-1845 FAX: (615) 656-1870

TRAFFIC CONTROL PLAN PHASE 2

MALLORY LANE / LIBERTY PIKE
FRANKLIN, TENNESSEE

DATE: _____

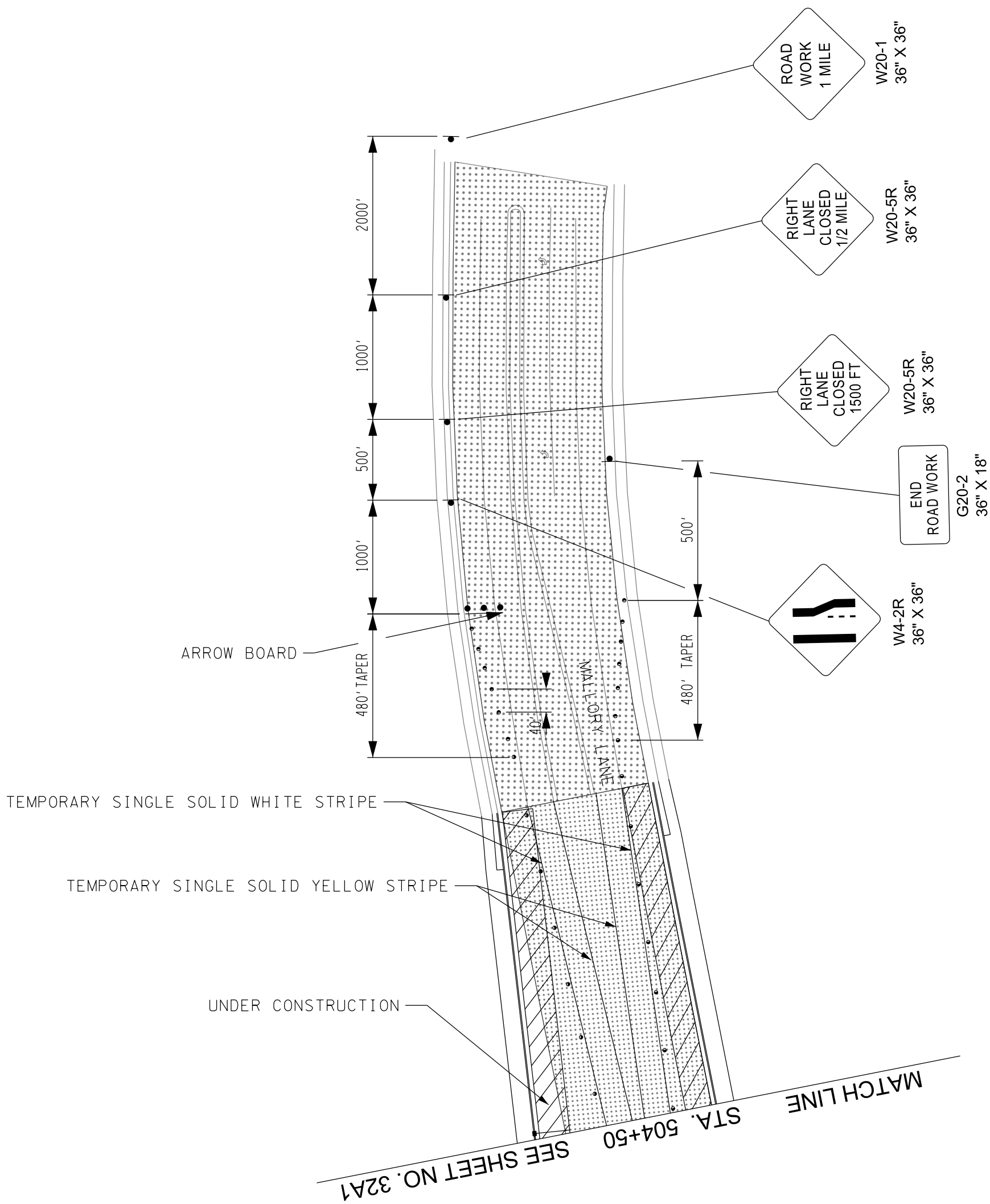
DESIGNED BY: _____

SUPERVISED BY:

CHECKED BY: _____

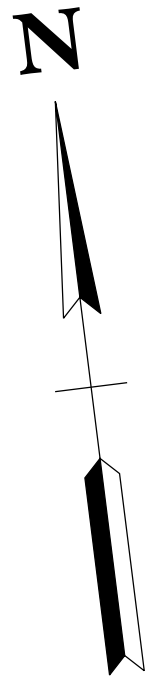
YEAR: 2023

SHEET NO: 32A2



PHASE 2

PAVEMENT LEGEND	
SYMBOL	ITEM
	EXISTING PAVEMENT
	PAVEMENT REMOVAL



NOT TO SCALE

DATE: _____
DESIGNED BY: _____
DRAWN BY: _____
SUPERVISED BY: _____
CHECKED BY: _____

YEAR: 2023

SHEET NO: 32A3

TRAFFIC CONTROL PLAN PHASE 2

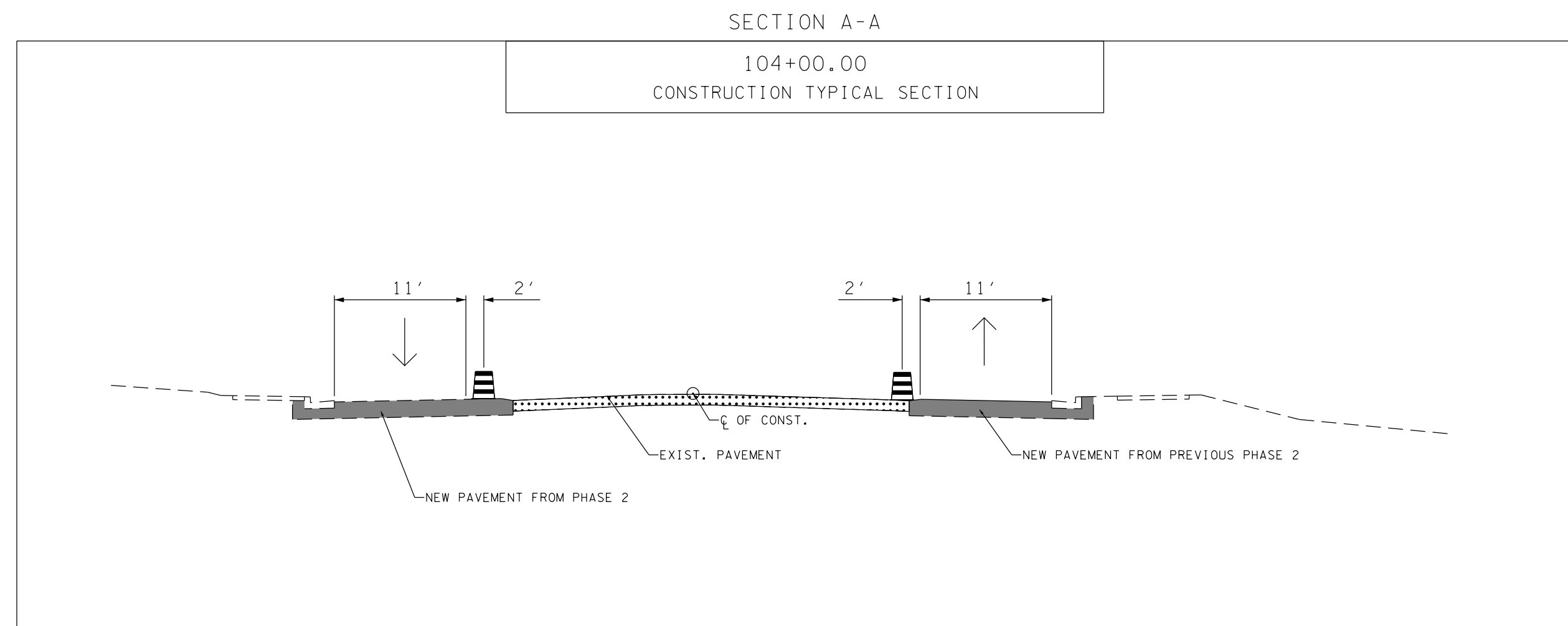
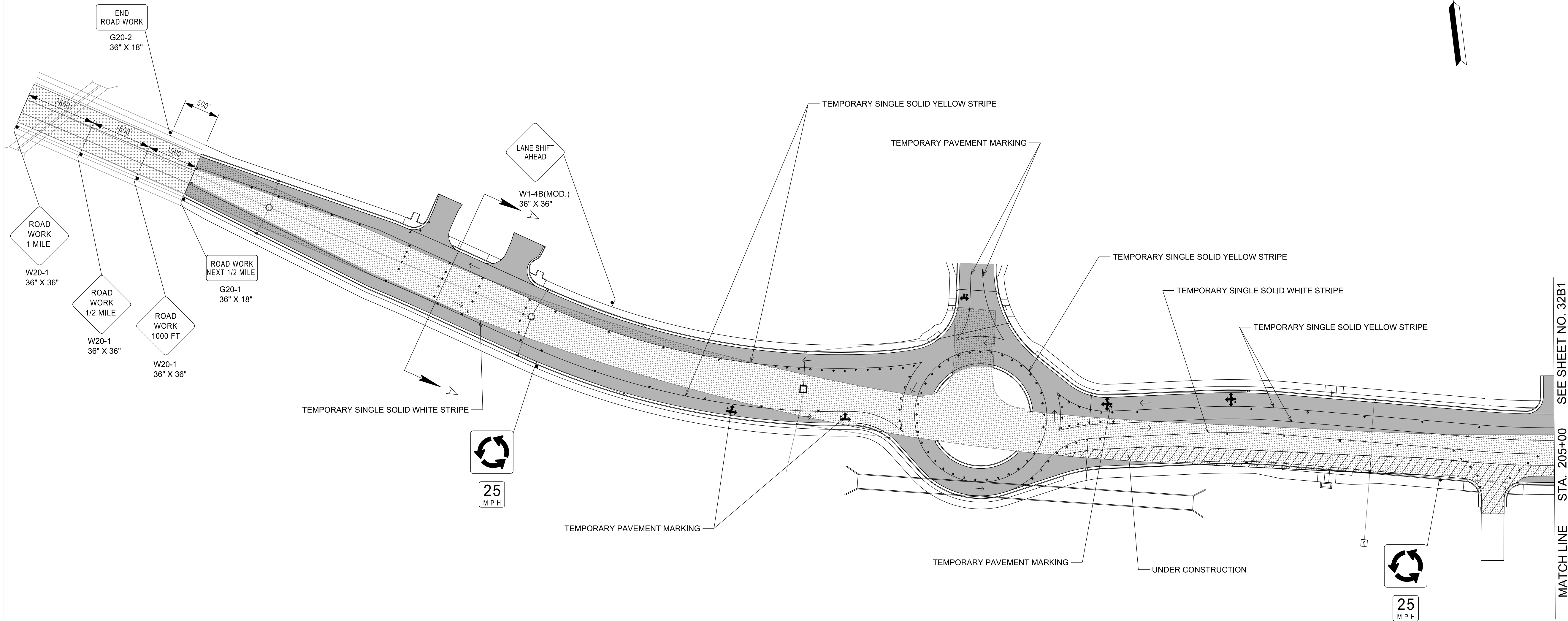
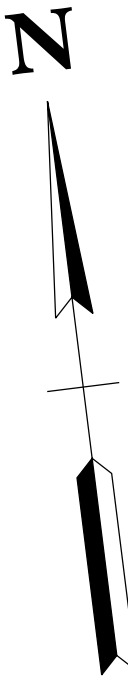
MALLORY LANE / LIBERTY PIKE
FRANKLIN, TENNESSEE

Volkert

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SUITE 230-1, BRENTWOOD, TN 37027
PHONE: (615) 656-1845 FAX: (615) 656-1870

REVISIONS	
NO	DATE
BY	DESCRIPTION

PHASE 3



PAVEMENT LEGEND	
SYMBOL	ITEM
	EXISTING PAVEMENT
	PAVEMENT REMOVAL
	NEW PAVEMENT FROM PREVIOUS PHASE(S)

NOT TO SCALE

[illegible]

VOLKERT

BRENTWOOD COMMONS, 750 OLD HICKORY BLVD.
SUITE 230-1, BRENTWOOD, TN 37027
PHONE: (615) 656-1845 FAX: (615) 656-1870

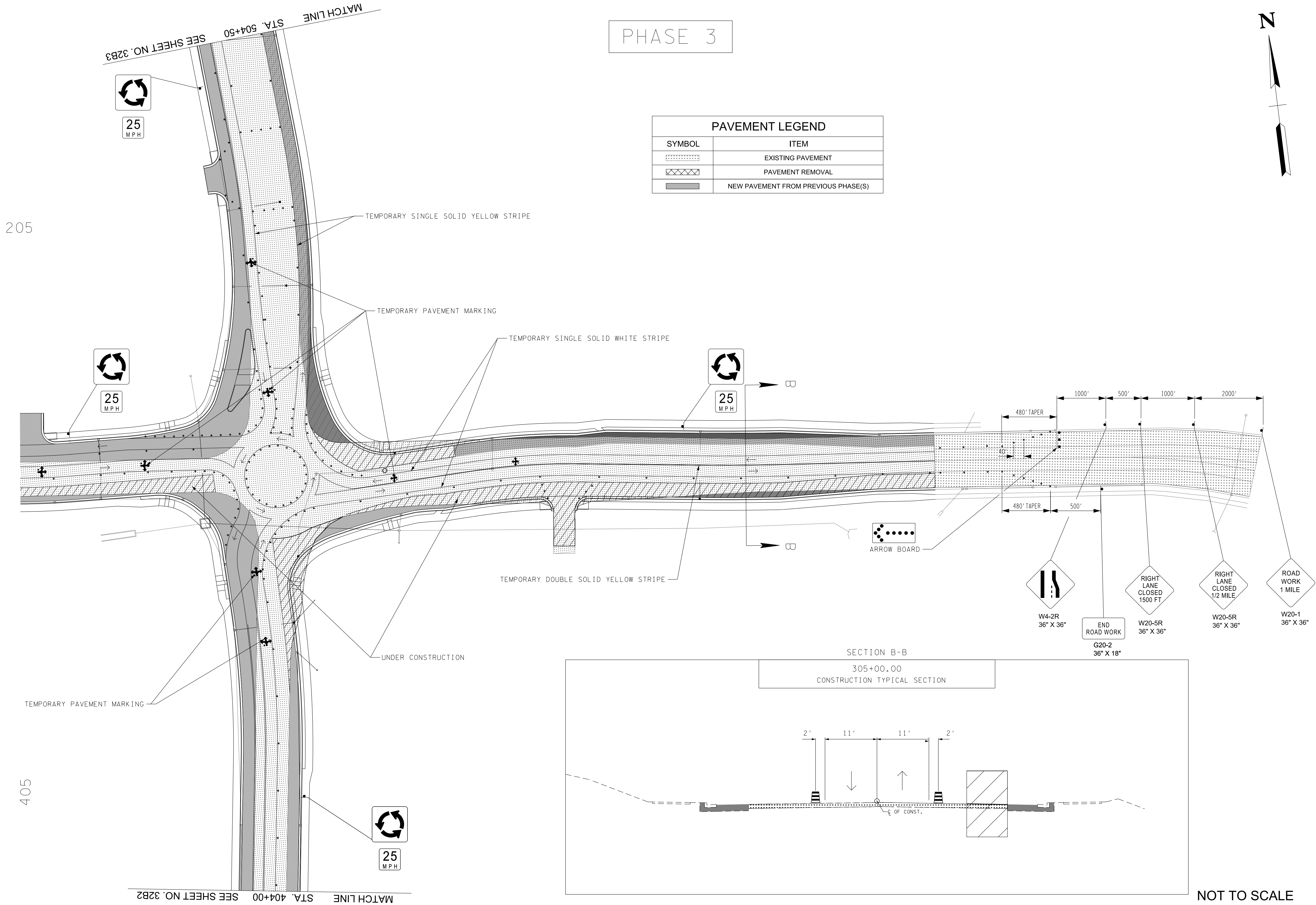
TRAFFIC CONTROL PLAN PHASE 3

MALLORY LANE / LIBERTY PIKE
FRANKLIN, TENNESSEE

DATE: _____
DESIGNED BY: _____
DRAWN BY: _____
SUPERVISED BY: _____
CHECKED BY: _____

YEAR: 2023

SHEET NO:32B



REVISIONS		DESCRIPTION	
NO	DATE	BY	

TRAFFIC CONTROL PLAN PHASE 3

MALLORY LANE / LIBERTY PIKE
FRANKLIN, TENNESSEE

Volkert

BRENTWOOD COMMONS, 750 OLD HICKORY BLVD.
SUITE 230-1, BRENTWOOD, TN 37027
PHONE: (615) 656-1845 FAX: (615) 656-1870

DATE: _____

DESIGNED BY: _____

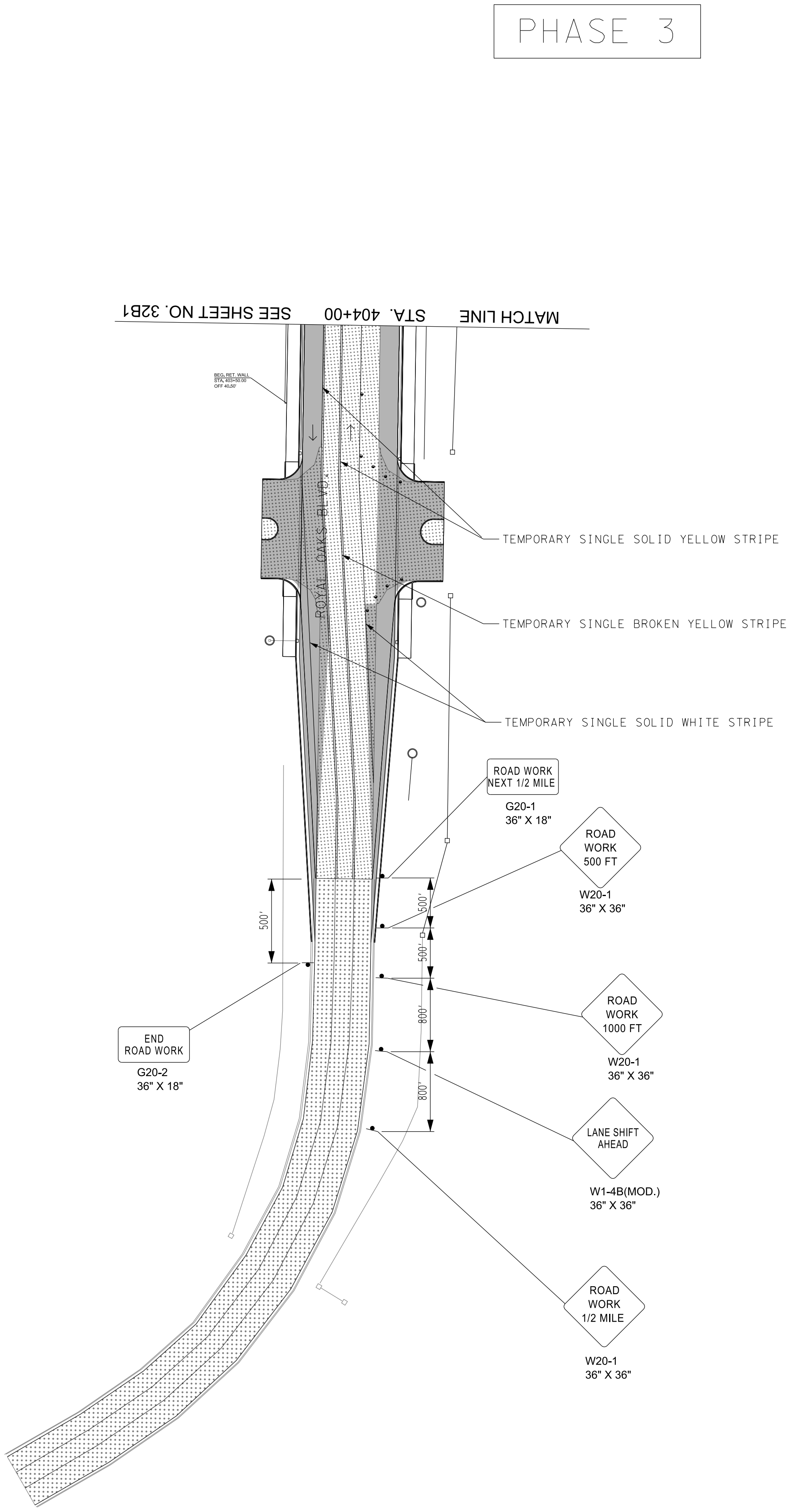
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SUPERVISED BY: _____

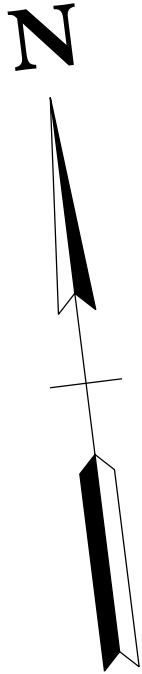
CHECKED BY: _____

YEAR: 2023

SHEET NO: 32B1



PAVEMENT LEGEND	
SYMBOL	ITEM
	EXISTING PAVEMENT
	PAVEMENT REMOVAL
	NEW PAVEMENT



NOT TO SCALE

REVISIONS	
NO	DESCRIPTION

Volkert

BRENTWOOD COMMONS, 750 OLD HICKORY BLVD.
SUITE 230-1, BRENTWOOD, TN 37027
PHONE: (615) 656-1845 FAX: (615) 656-1870

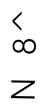
TRAFFIC CONTROL PLAN PHASE 3

MALLORY LANE / LIBERTY PIKE
FRANKLIN, TENNESSEE

DATE: _____
DESIGNED BY: _____
DRAWN BY: _____
SUPERVISED BY: _____
CHECKED BY: _____

YEAR: 2023

SHEET NO: 32B2



NOT TO SCALE

VOLKERT

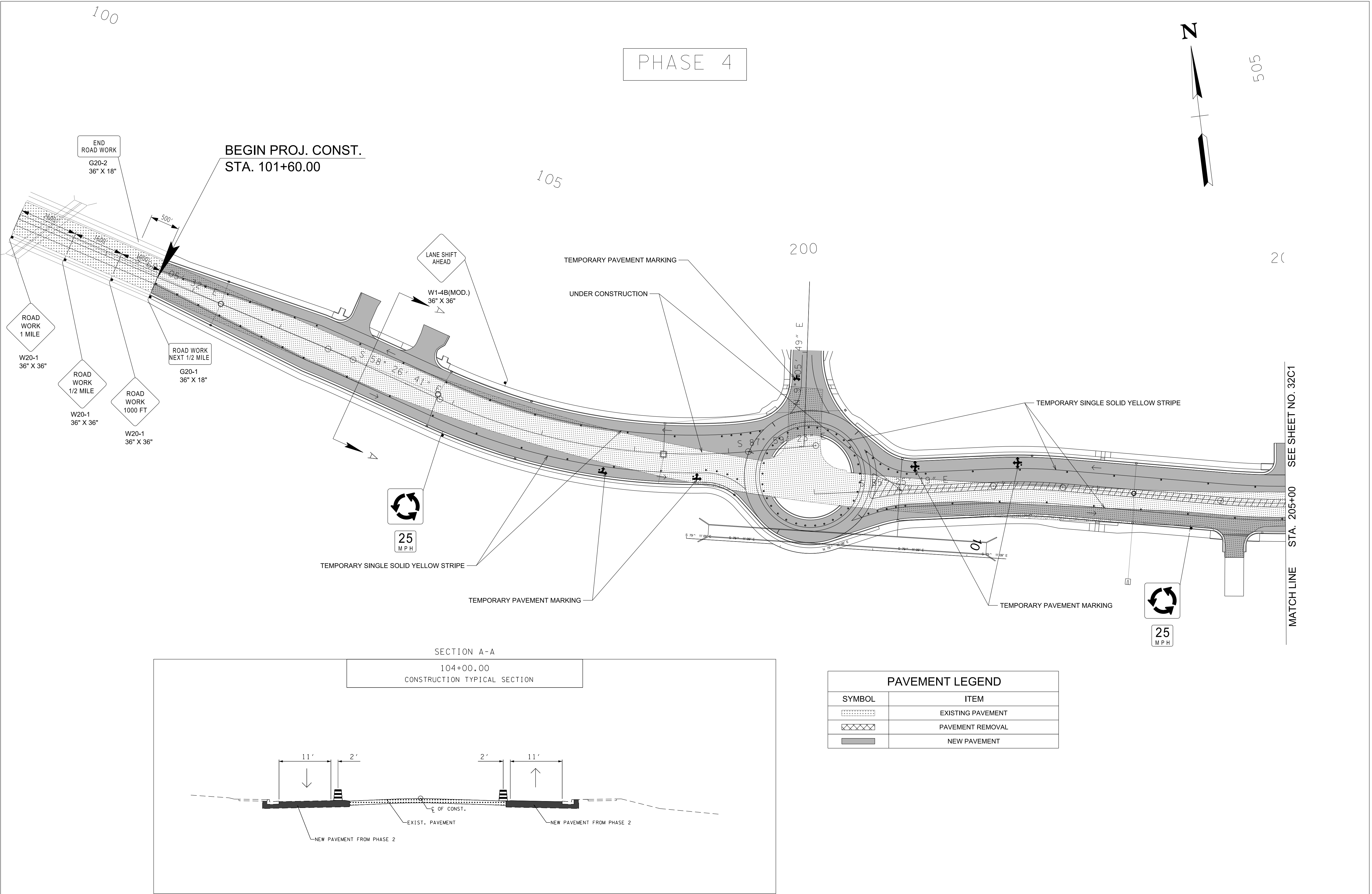
TRAFFIC CONTROL PLAN PHASE 3

MALLORY LANE / LIBERTY PIKE
FRANKLIN, TENNESSEE

DATE: _____
DESIGNED BY: _____
DRAWN BY: _____
SUPERVISED BY: _____
CHECKED BY: _____

YEAR: 2023

SHEET NO: 32B3



REVISIONS	
NO	DATE

TRAFFIC CONTROL PLAN PHASE 4

MALLORY LANE / LIBERTY PIKE
FRANKLIN, TENNESSEE

Volkert

BRENTWOOD COMMONS, 750 OLD HICKORY BLVD.
SUITE 230-1, BRENTWOOD, TN 37027
PHONE: (615) 656-1845 FAX: (615) 656-1870

DATE: _____

DESIGNED BY: _____

DRAWN BY: _____

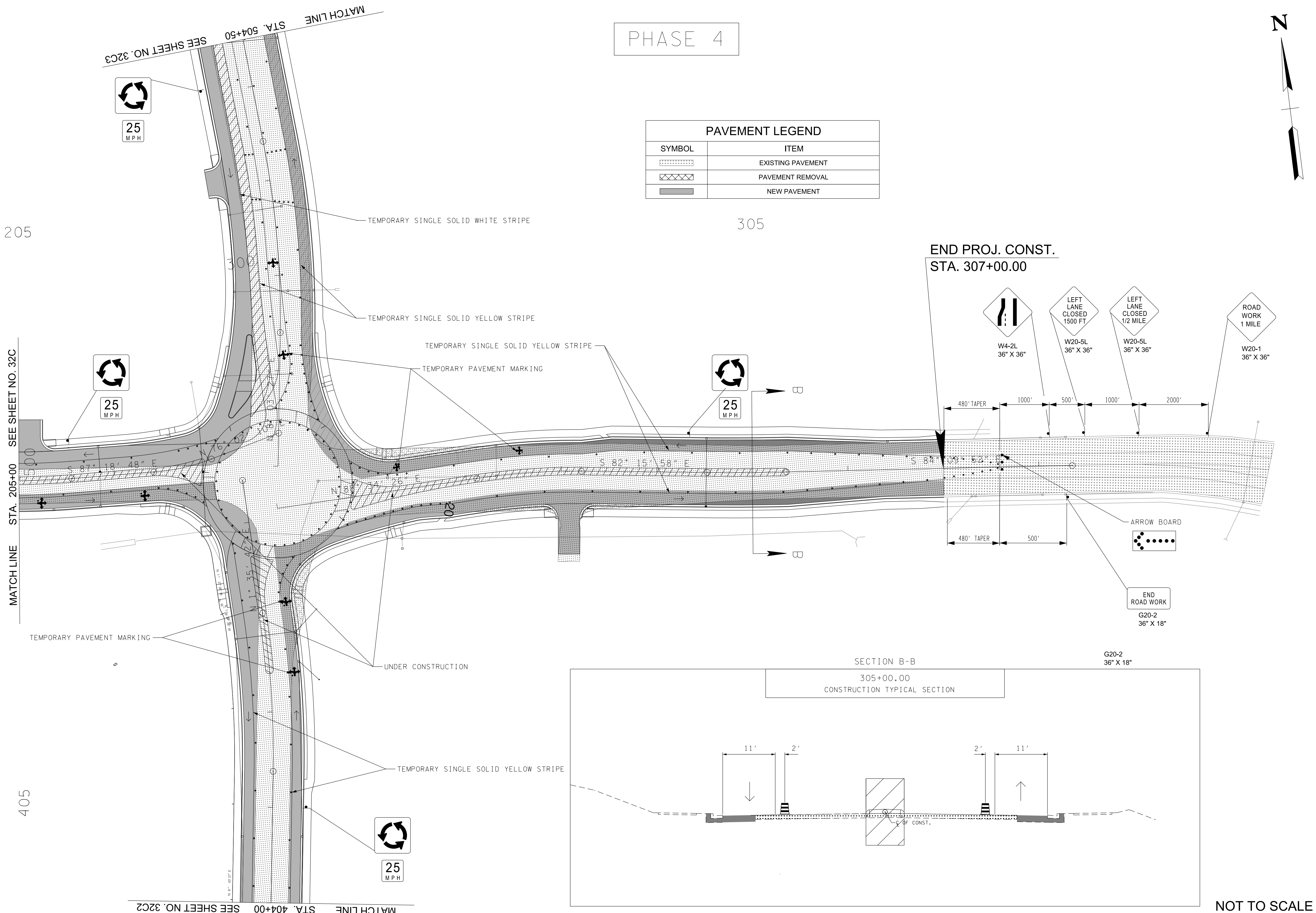
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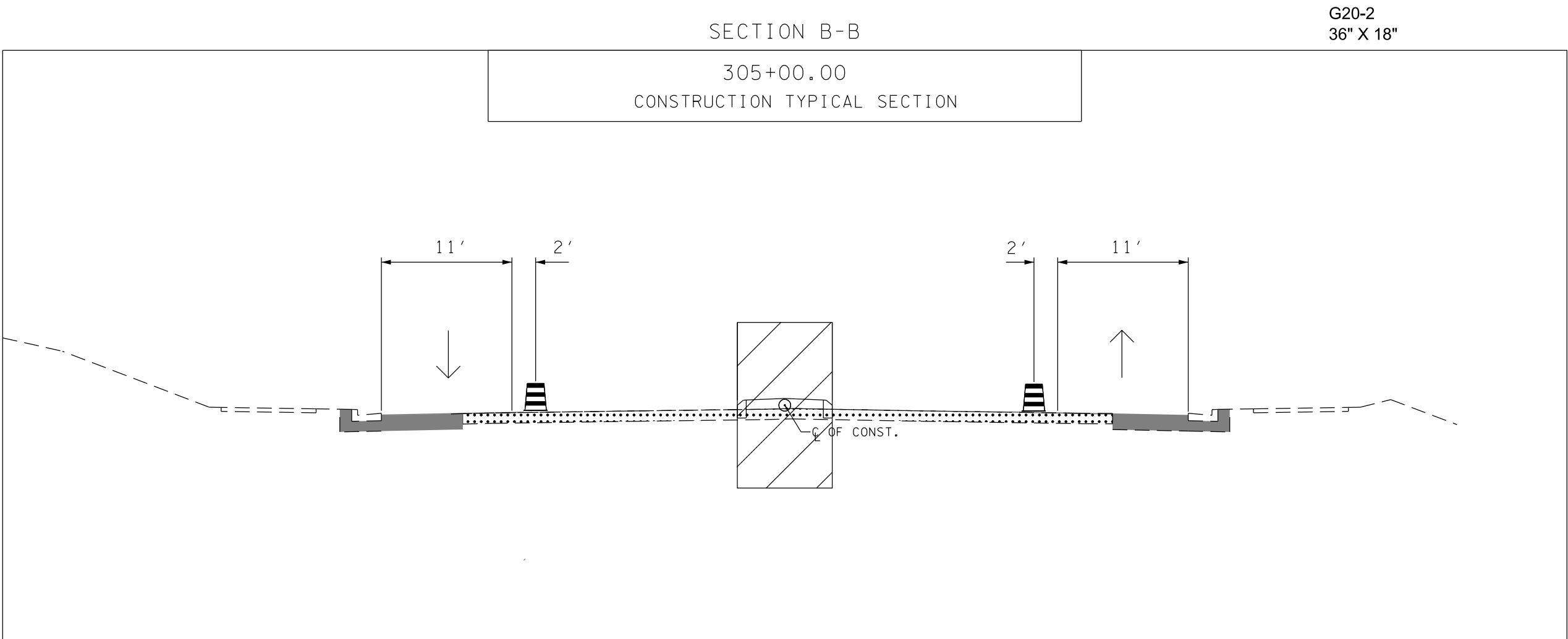
YEAR: 2023

SHEET NO: 32C

Page 391 of 634



PAVEMENT LEGEND	
SYMBOL	ITEM
	EXISTING PAVEMENT
	PAVEMENT REMOVAL
	NEW PAVEMENT



NOT TO SCALE

REVISIONS	
NO	DESCRIPTION

Volkert
BRENTWOOD COMMONS, 750 OLD HICKORY BLVD.
SUITE 230-1, BRENTWOOD, TN 37027
PHONE: (615) 656-1845 FAX: (615) 656-1870

TRAFFIC CONTROL PLAN PHASE 4

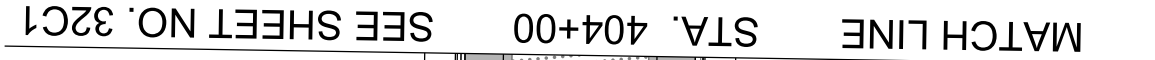
MALLORY LANE / LIBERTY PIKE
FRANKLIN, TENNESSEE

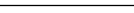
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DESIGNED BY: _____
DRAWN BY: _____
SUPERVISED BY: _____
CHECKED BY: _____

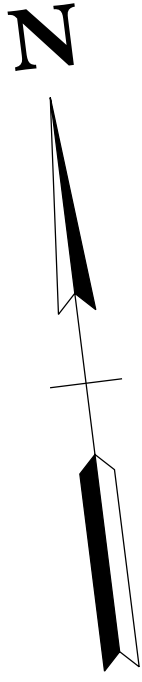
YEAR: 2023

SHEET NO: 32C1

PHASE 4



PAVEMENT LEGEND	
SYMBOL	ITEM
	EXISTING PAVEMENT
	PAVEMENT REMOVAL
	NEW PAVEMENT



NOT TO SCALE

[illegible]

VOLKERT

BRENTWOOD COMMONS, 750 OLD HICKORY BLVD.
SUITE 230-1, BRENTWOOD, TN 37027
PHONE: (615) 656-1845 FAX: (615) 656-

TRAFFIC CONTROL PLAN PHASE 4

MALLORY LANE / LIBERTY PIKE
FRANKLIN, TENNESSEE

DATE: _____

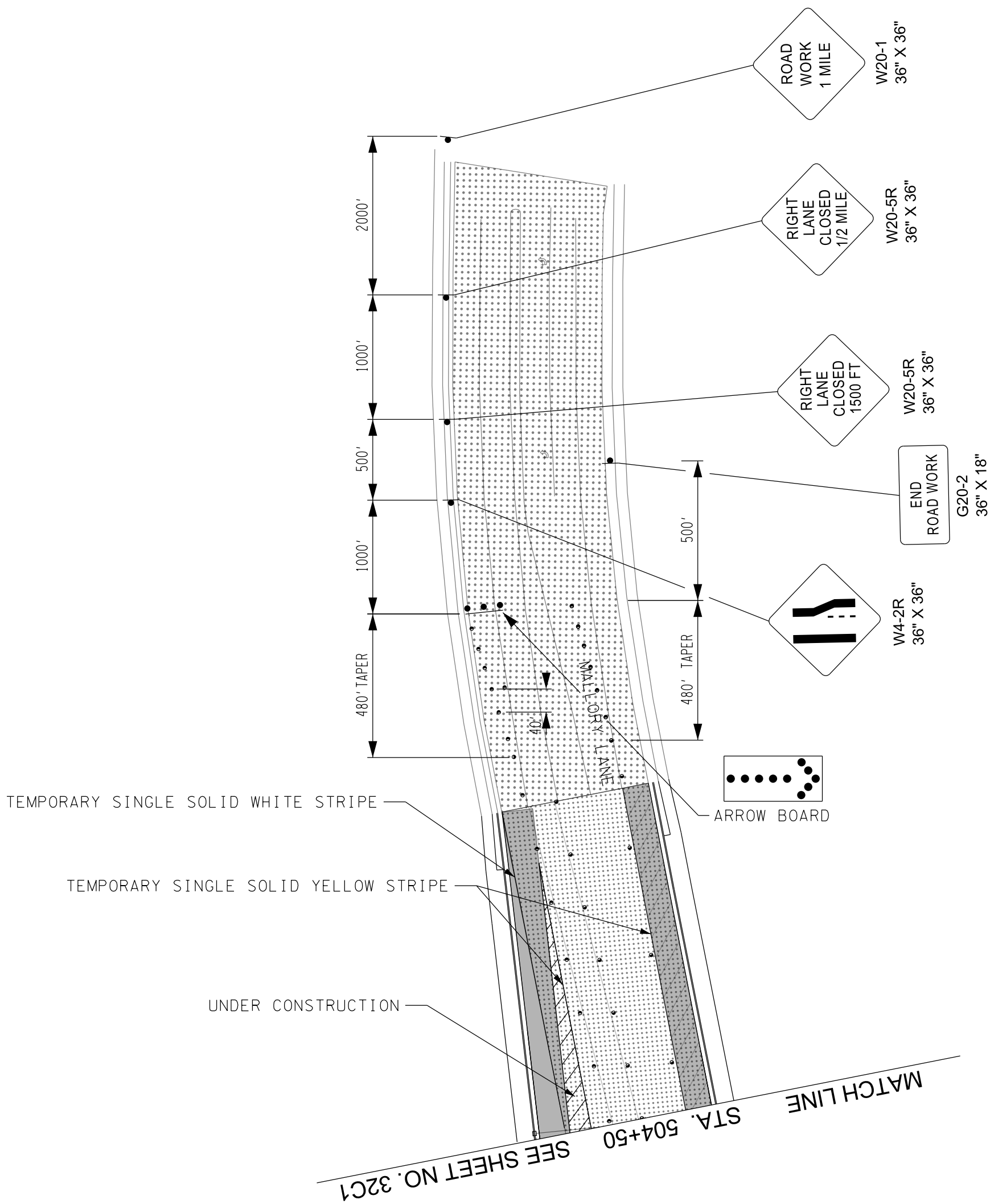
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DRAWN BY: _____

CHECKED BY: _____

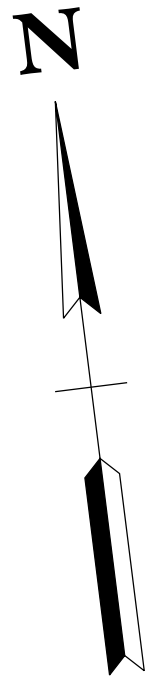
YEAR: 2023

SHEET NO: 32C2



PHASE 4

PAVEMENT LEGEND	
SYMBOL	ITEM
	EXISTING PAVEMENT
	PAVEMENT REMOVAL
	NEW PAVEMENT FROM PEVIOUS PHASE(S)



NOT TO SCALE

DATE: _____
DESIGNED BY: _____
DRAWN BY: _____
SUPERVISED BY: _____
CHECKED BY: _____

YEAR: 2023

SHEET NO: 32C3

TRAFFIC CONTROL PLAN PHASE 4

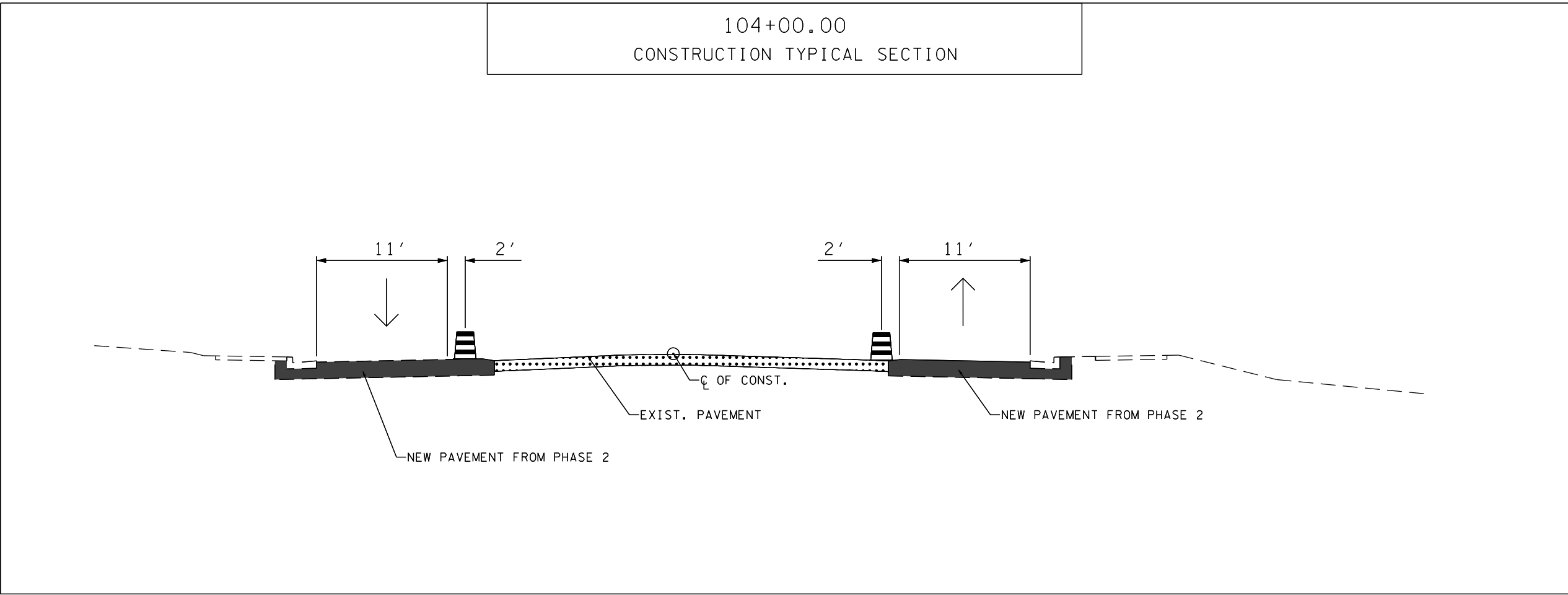
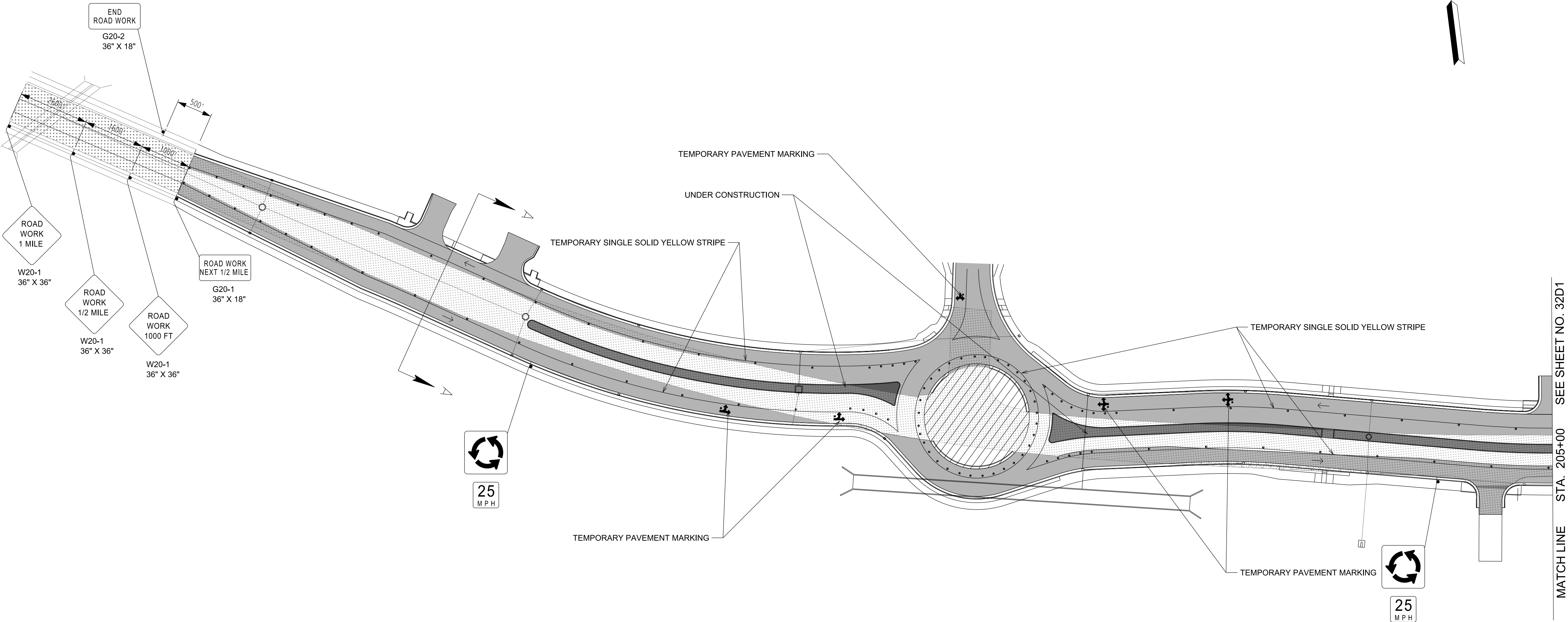
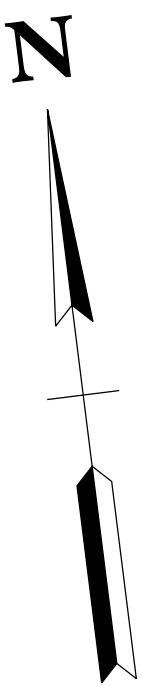
MALLORY LANE / LIBERTY PIKE
FRANKLIN, TENNESSEE

Volkert

BRENTWOOD COMMONS, 750 OLD HICKORY BLVD.
SUITE 230-1, BRENTWOOD, TN 37027
PHONE: (615) 656-1845 FAX: (615) 656-1870

REVISIONS	
NO	DATE
BY	DESCRIPTION

PHASE 5



PAVEMENT LEGEND	
SYMBOL	ITEM
	EXISTING PAVEMENT
	PAVEMENT REMOVAL
	NEW PAVEMENT FROM PREVIOUS PHASE(S)

NOT TO SCALE

REVISIONS	
NO	DATE
BY	DESCRIPTION

Volkert

BRENTWOOD COMMONS, 750 OLD HICKORY BLVD.
SUITE 230-1, BRENTWOOD, TN 37027
PHONE: (615) 656-1845 FAX: (615) 656-1870

TRAFFIC CONTROL PLAN PHASE 5

MALLORY LANE / LIBERTY PIKE
FRANKLIN, TENNESSEE

DATE: _____

DESIGNED BY: _____

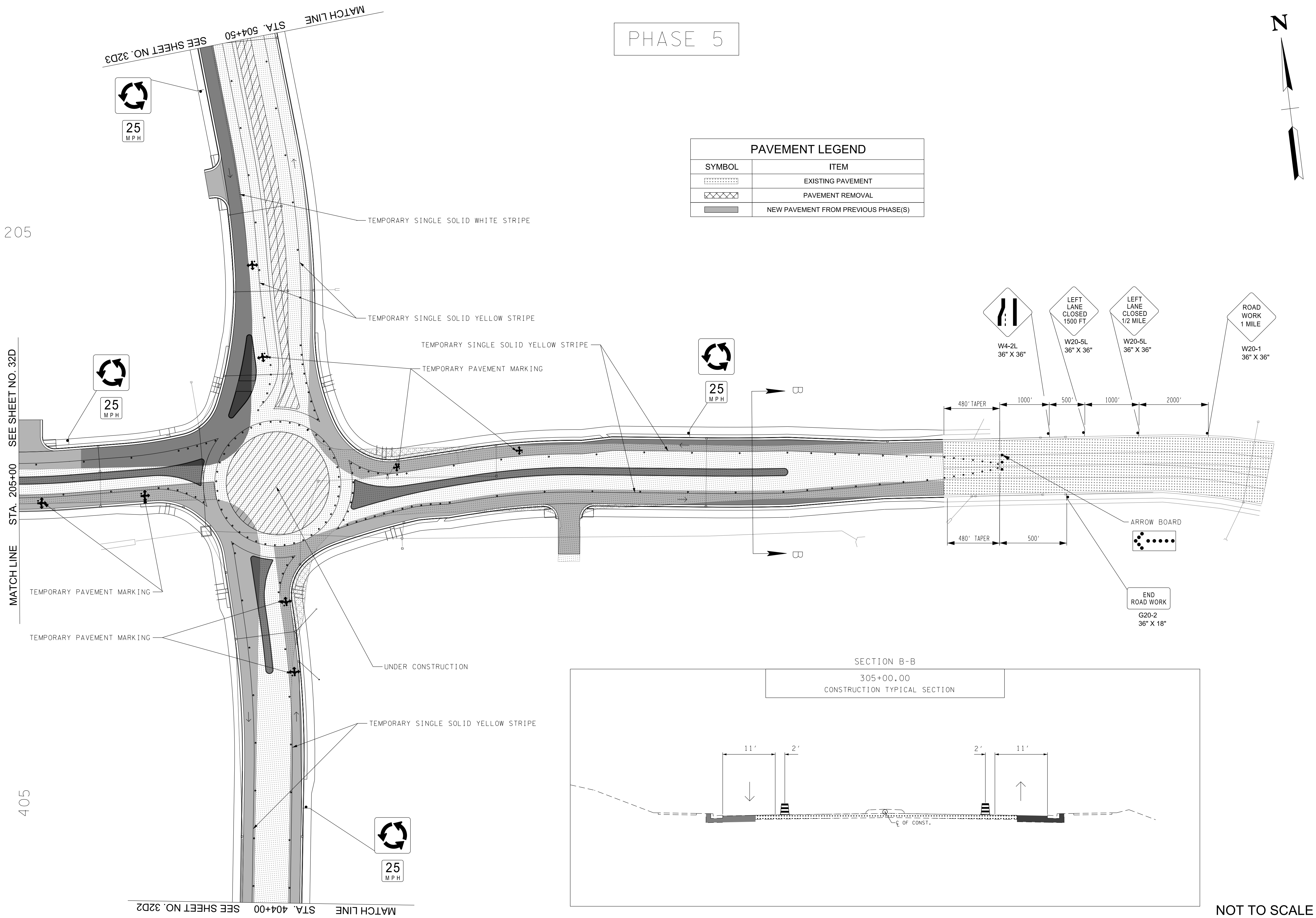
DRAWN BY: _____

SUPERVISED BY: _____

CHECKED BY: _____

YEAR: 2023

SHEET NO: 32D



REVISIONS		DESCRIPTION	
NO	DATE	BY	

Volkert

BRENTWOOD COMMONS, 750 OLD HICKORY BLVD.
SUITE 230-1, BRENTWOOD, TN 37027
PHONE: (615) 656-1845 FAX: (615) 656-1870

TRAFFIC CONTROL PLAN PHASE 5

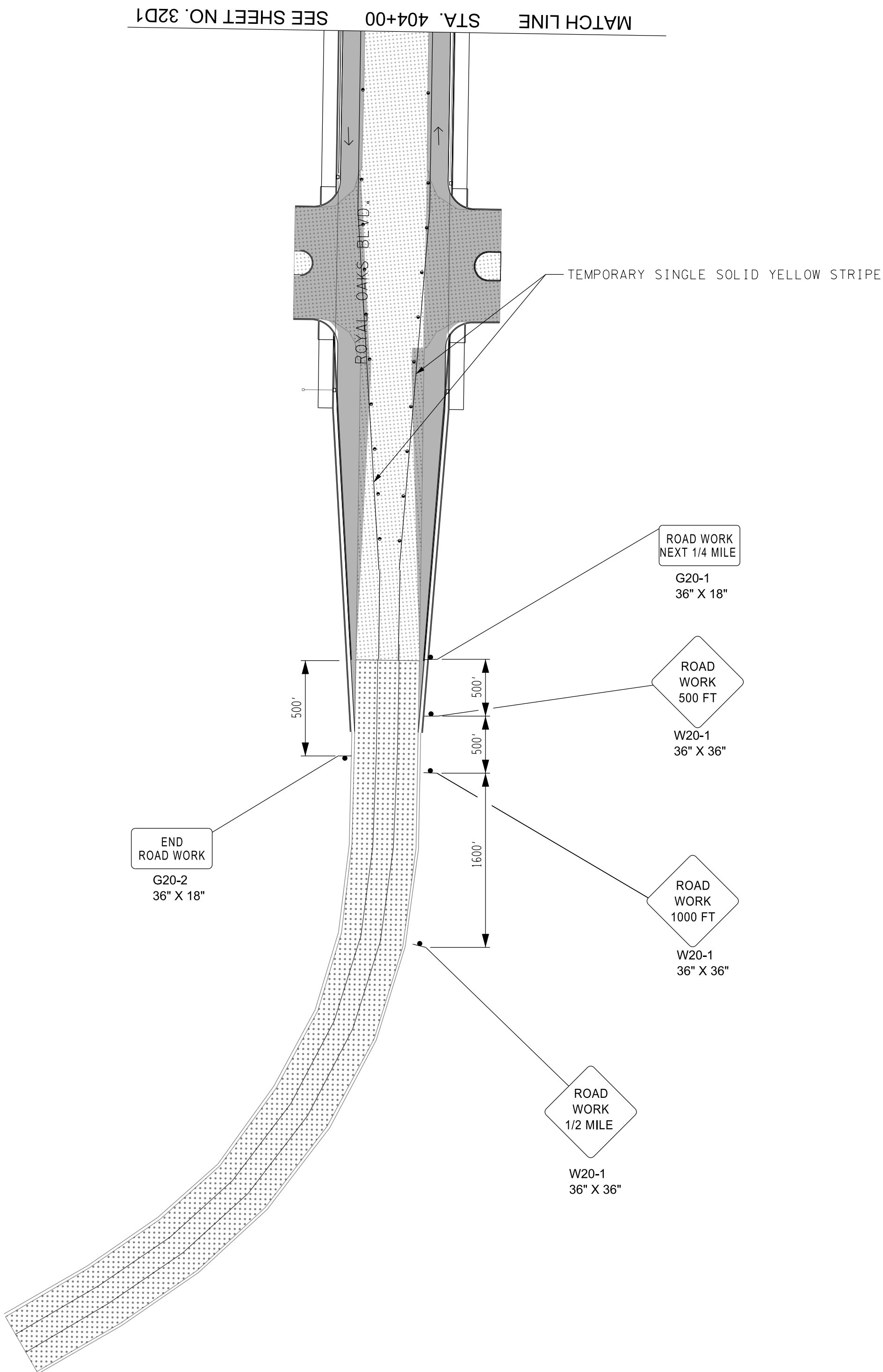
MALLERY LANE / LIBERTY PIKE
FRANKLIN, TENNESSEE

DATE: _____
DESIGNED BY: _____
DRAWN BY: _____
SUPERVISED BY: _____
CHECKED BY: _____

YEAR: 2023

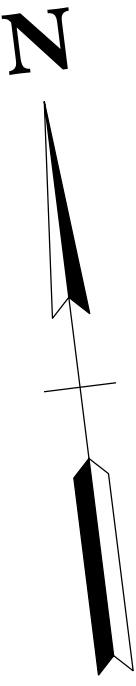
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PHASE 5



PAVEMENT LEGEND	
SYMBOL	ITEM
	EXISTING PAVEMENT
	PAVEMENT REMOVAL
	NEW PAVEMENT FROM PREVIOUS PHASE(S)

NOT TO SCALE

[illegible]

VOLKERT

BRENTWOOD COMMONS, 750 OLD HICKORY BLVD.
SUITE 230-1, BRENTWOOD, TN 37027
PHONE: (615) 656-1845 FAX: (615) 656-

TRAFFIC CONTROL PLAN PHASE 5

MALLORY LANE / LIBERTY PIKE
FRANKLIN, TENNESSEE

DATE: _____

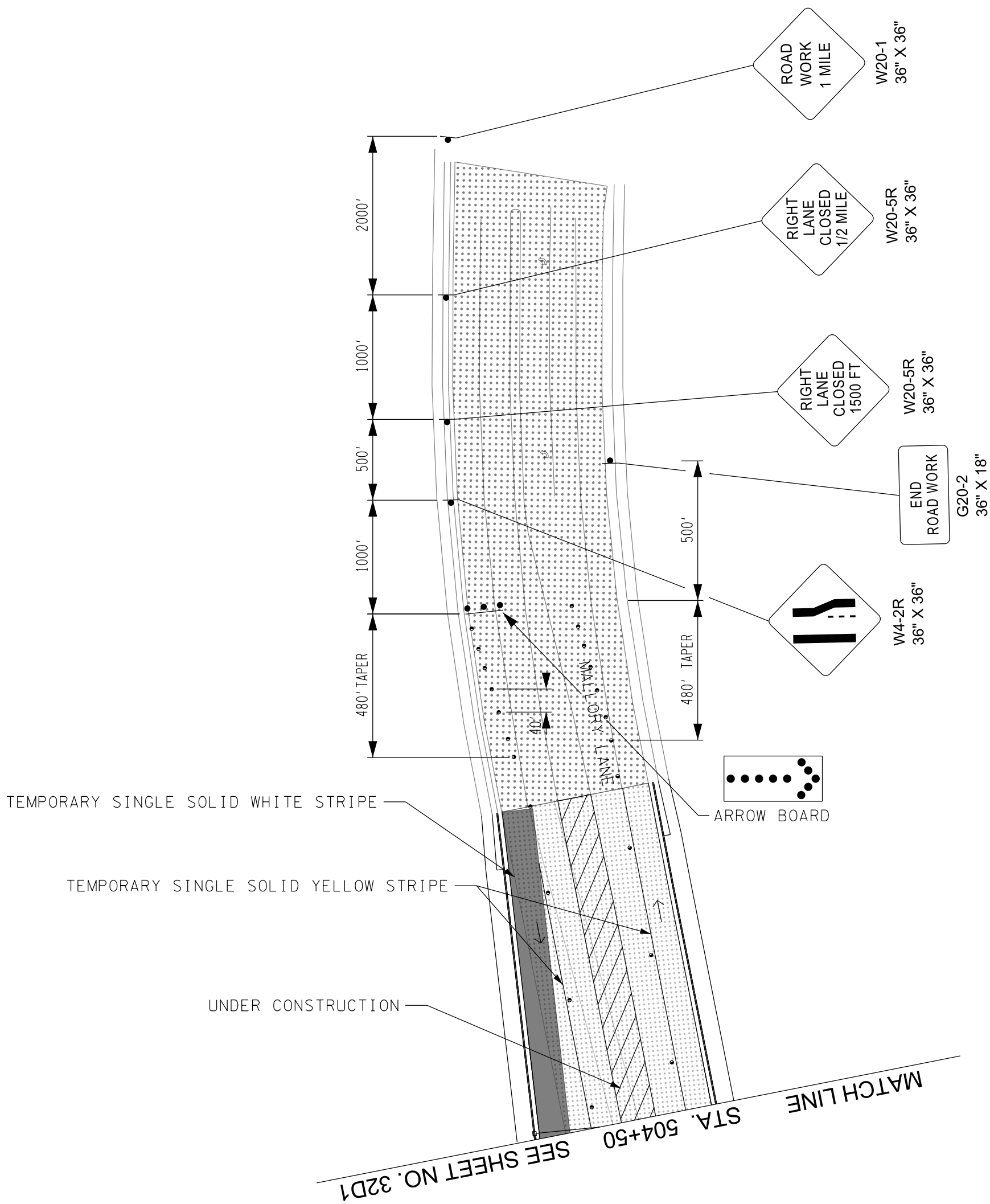
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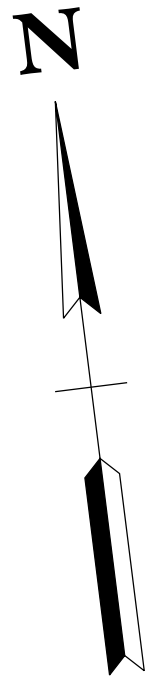
YEAR: 2023

SHEET NO: 32D2



PHASE 5

PAVEMENT LEGEND	
SYMBOL	ITEM
	EXISTING PAVEMENT
	PAVEMENT REMOVAL
	NEW PAVEMENT FROM PREVIOUS PHASE(S)



NOT TO SCALE

TRAFFIC CONTROL PLAN PHASE 5

MALLORY LANE / LIBERTY PIKE
FRANKLIN, TENNESSEE

DATE: _____

DESIGNED BY: _____

DRAWN BY: _____

SUPERVISED BY: _____

CHECKED BY: _____

YEAR: 2023

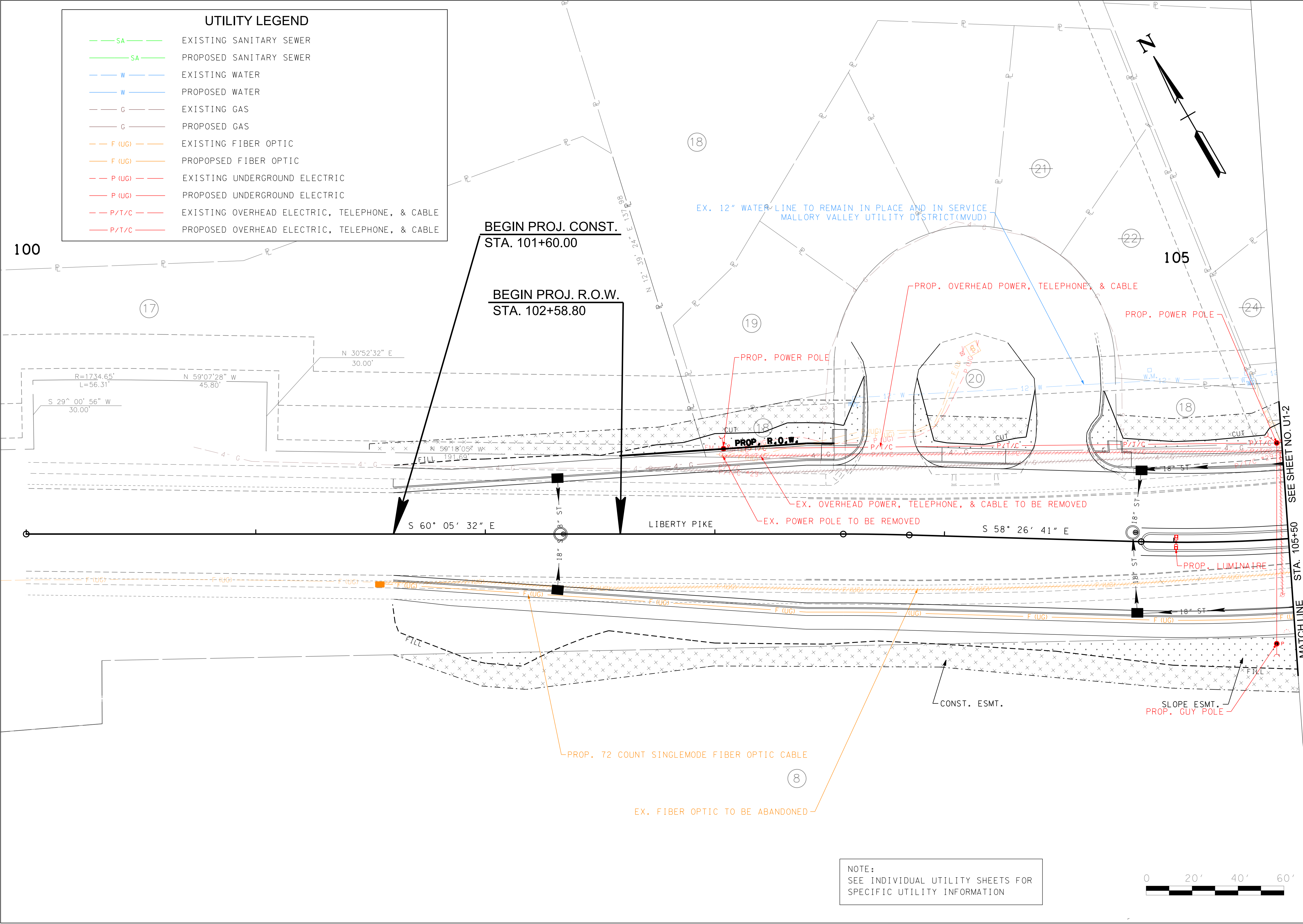
SHEET NO: 32D3

REVISIONS

NO	DATE	BY	DESCRIPTION

Volkert

BRENTWOOD COMMONS, 750 OLD HICKORY BLVD.
SUITE 230-1, BRENTWOOD, TN 37027
PHONE: (615) 656-1845 FAX: (615) 656-1870



REVISIONS		DESCRIPTION	
NO	DATE	BY	

Volkert

BRENTWOOD COMMONS, 750 OLD HICKORY BLVD.
SUITE 230-1, BRENTWOOD, TN 37027
PHONE: (615) 656-1845 FAX: (615) 656-1870

OVERALL UTILITY RELOCATION PLAN

MALLORY LANE / LIBERTY PIKE
FRANKLIN, TENNESSEE

DATE: _____
DESIGNED BY: _____
DRAWN BY: _____
SUPERVISED BY: _____
CHECKED BY: _____

YEAR: 2023

SHEET NO: U1-1

NOTE:
SEE INDIVIDUAL UTILITY SHEETS FOR
SPECIFIC UTILITY INFORMATION

REVIEWS		DESCRIPTION	
NO	DATE	BY	

Volkert

BRENTWOOD COMMONS, 750 OLD HICKORY BLVD.
SUITE 230-1, BRENTWOOD, TN 37027
PHONE: (615) 656-1845 FAX: (615) 656-1870

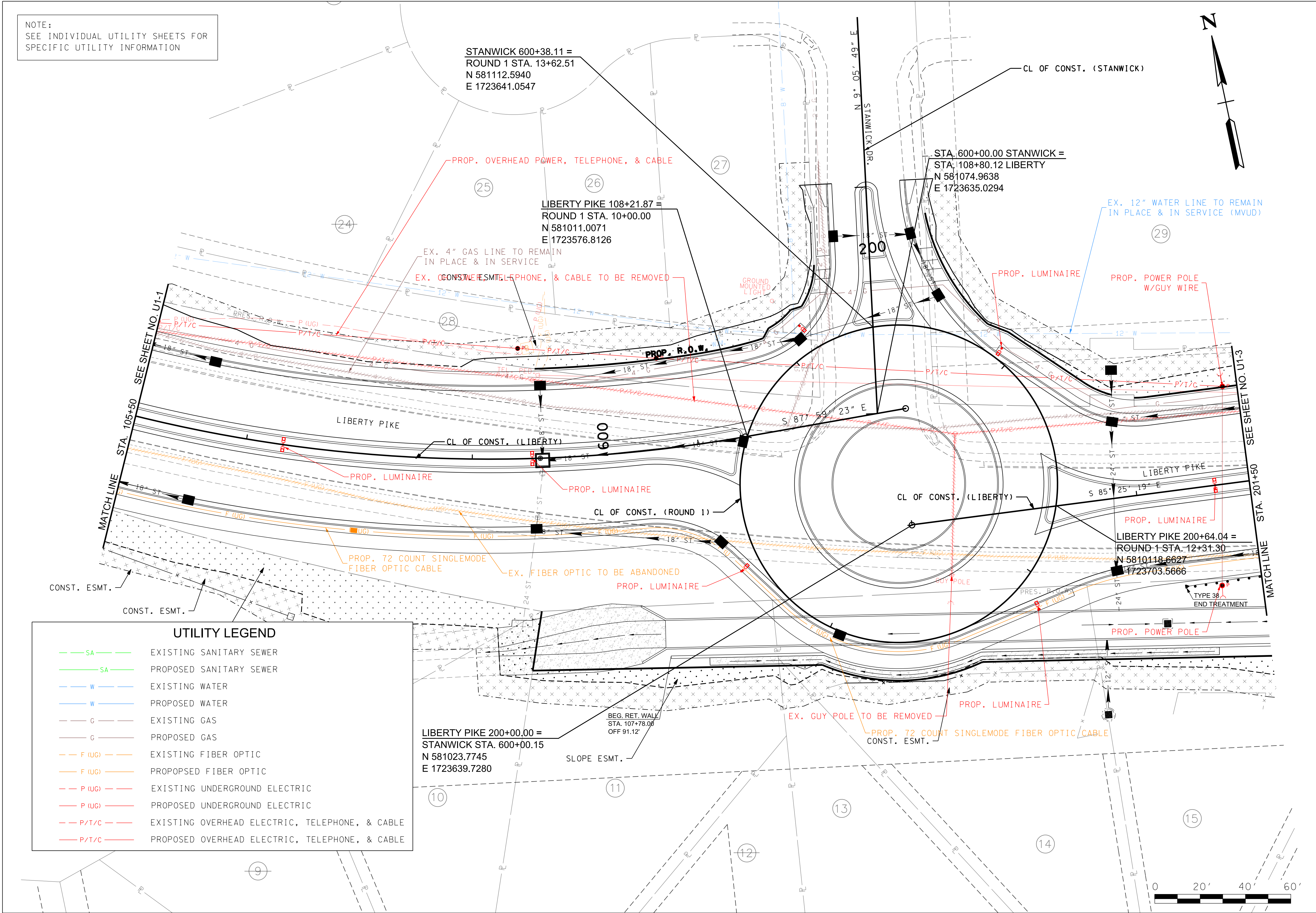
OVERALL UTILITY RELOCATION PLAN

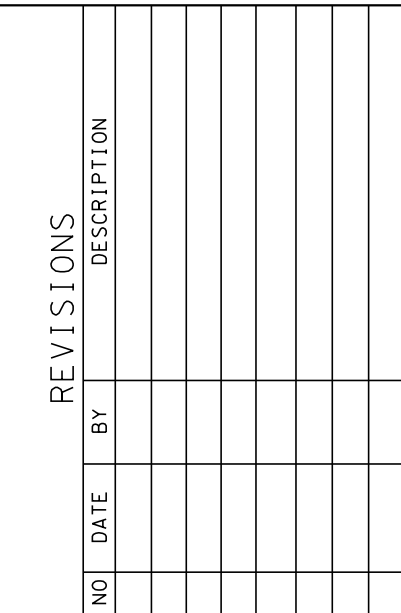
MALLORY LANE / LIBERTY PIKE
FRANKLIN, TENNESSEE

DATE: _____
DESIGNED BY: _____
DRAWN BY: _____
SUPERVISED BY: _____
CHECKED BY: _____

YEAR: 2023

SHEET NO:U1-2





BRENTWOOD COMMONS, 750 OLD HICKORY BLVD.
SUITE 230-1, BRENTWOOD, TN 37027
PHONE: (615) 656-1845 FAX: (615) 656-1870

FRANKLIN, TENNESSEE

DATE: _____
DESIGNED BY: _____
DRAWN BY: _____
SUPERVISED BY: _____
CHECKED BY: _____

SHEET NO: U1-3

NOTE:
SEE INDIVIDUAL UTILITY SHEETS FOR
SPECIFIC UTILITY INFORMATION

EX. 24" WATER LINE TO REMAIN IN PLACE & IN SERVICE (MVUD)

EX. 16" WATER LINE TO REMAIN IN PLACE & IN SERVICE(MVUD)

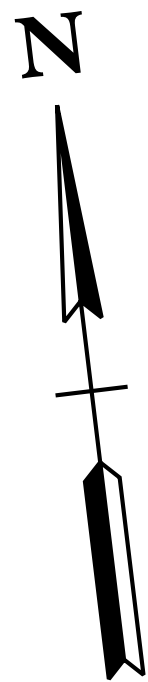
4

305

END PROJ. CONST.
STA. 307+00.00

UTILITY LEGEND

- SA EXISTING SANITARY SEWER
- SA PROPOSED SANITARY SEWER
- W EXISTING WATER
- W PROPOSED WATER
- G EXISTING GAS
- G PROPOSED GAS
- F (UG) EXISTING FIBER OPTIC
- F (UG) PROPOSED FIBER OPTIC
- P (UG) EXISTING UNDERGROUND ELECTRIC
- P (UG) PROPOSED UNDERGROUND ELECTRIC
- P/T/C EXISTING OVERHEAD ELECTRIC, TELEPHONE, & CABLE
- P/T/C PROPOSED OVERHEAD ELECTRIC, TELEPHONE, & CABLE



MATCH LINE STA. 303+50 SEE SHEET NO. U1-4

END PROJ. R.O.W.
STA. 303+94.59

LIBERTY PIKE

CITY OF FRANKLIN

2

REVISIONS
NO. DATE BY DESCRIPTION

OVERALL UTILITY RELOCATION PLAN

DATE: _____
DESIGNED BY: _____
DRAWN BY: _____
SUPERVISED BY: _____
CHECKED BY: _____

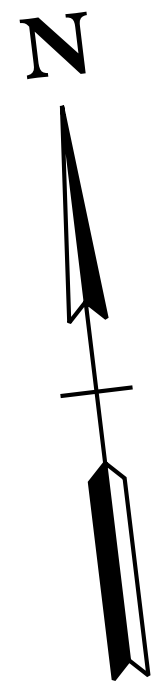
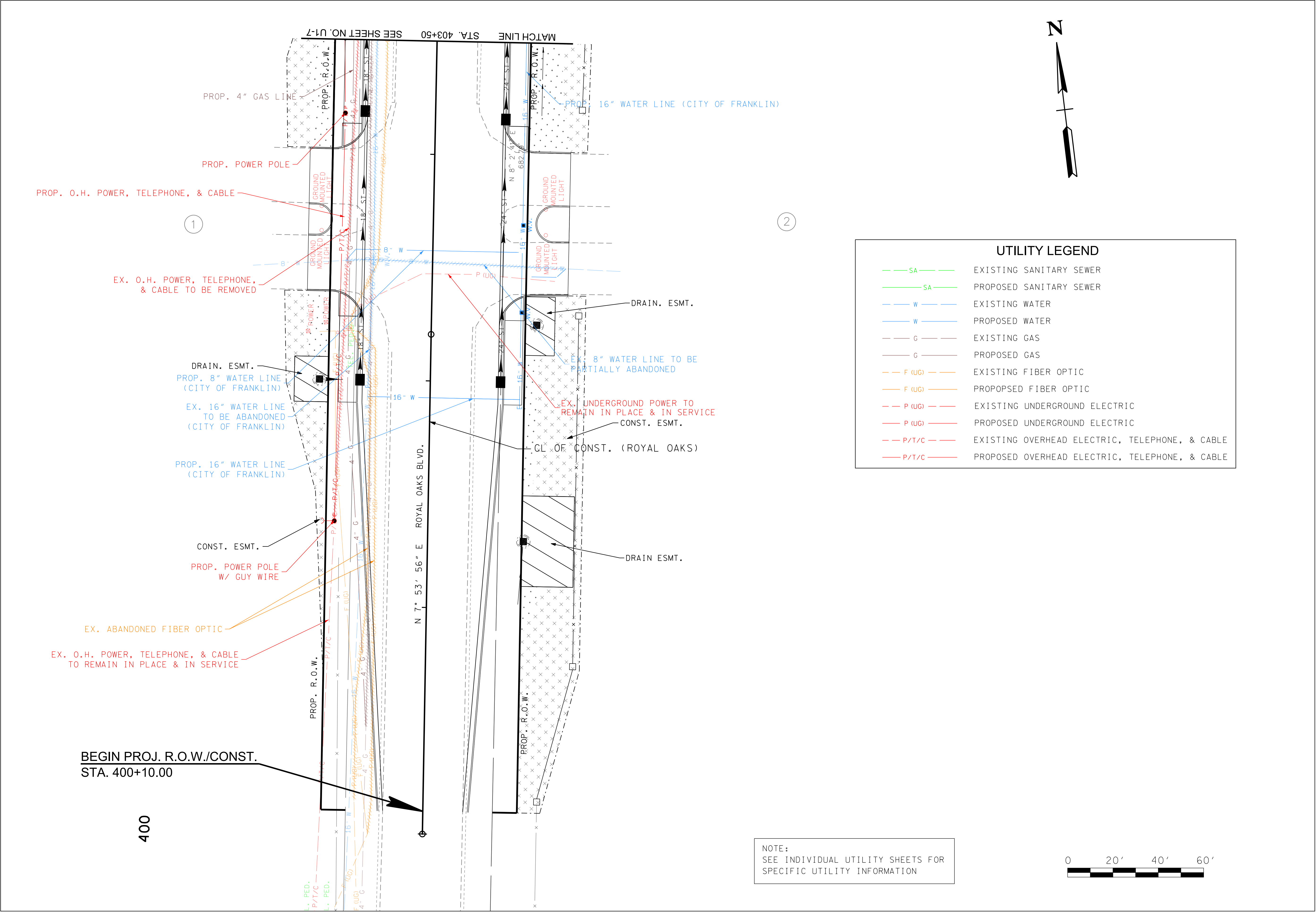
YEAR: 2023

SHEET NO:U1-5

Volkert

BRENTWOOD COMMONS, 750 OLD HICKORY BLVD.
SUITE 230-1, BRENTWOOD, TN 37027
PHONE: (615) 656-1845 FAX: (615) 656-1870

MALLORY LANE / LIBERTY PIKE
FRANKLIN, TENNESSEE



UTILITY LEGEND	
	EXISTING SANITARY SEWER
	PROPOSED SANITARY SEWER
	EXISTING WATER
	PROPOSED WATER
	EXISTING GAS
	PROPOSED GAS
	EXISTING FIBER OPTIC
	PROPOSED FIBER OPTIC
	EXISTING UNDERGROUND ELECTRIC
	PROPOSED UNDERGROUND ELECTRIC
	EXISTING OVERHEAD ELECTRIC, TELEPHONE, & CABLE
	PROPOSED OVERHEAD ELECTRIC, TELEPHONE, & CABLE

NOTE:
SEE INDIVIDUAL UTILITY SHEETS FOR
SPECIFIC UTILITY INFORMATION



REVISIONS	
NO	DESCRIPTION

Volkert

BRENTWOOD COMMONS, 750 OLD HICKORY BLVD.
SUITE 230-1, BRENTWOOD, TN 37027
PHONE: (615) 656-1845 FAX: (615) 656-1870

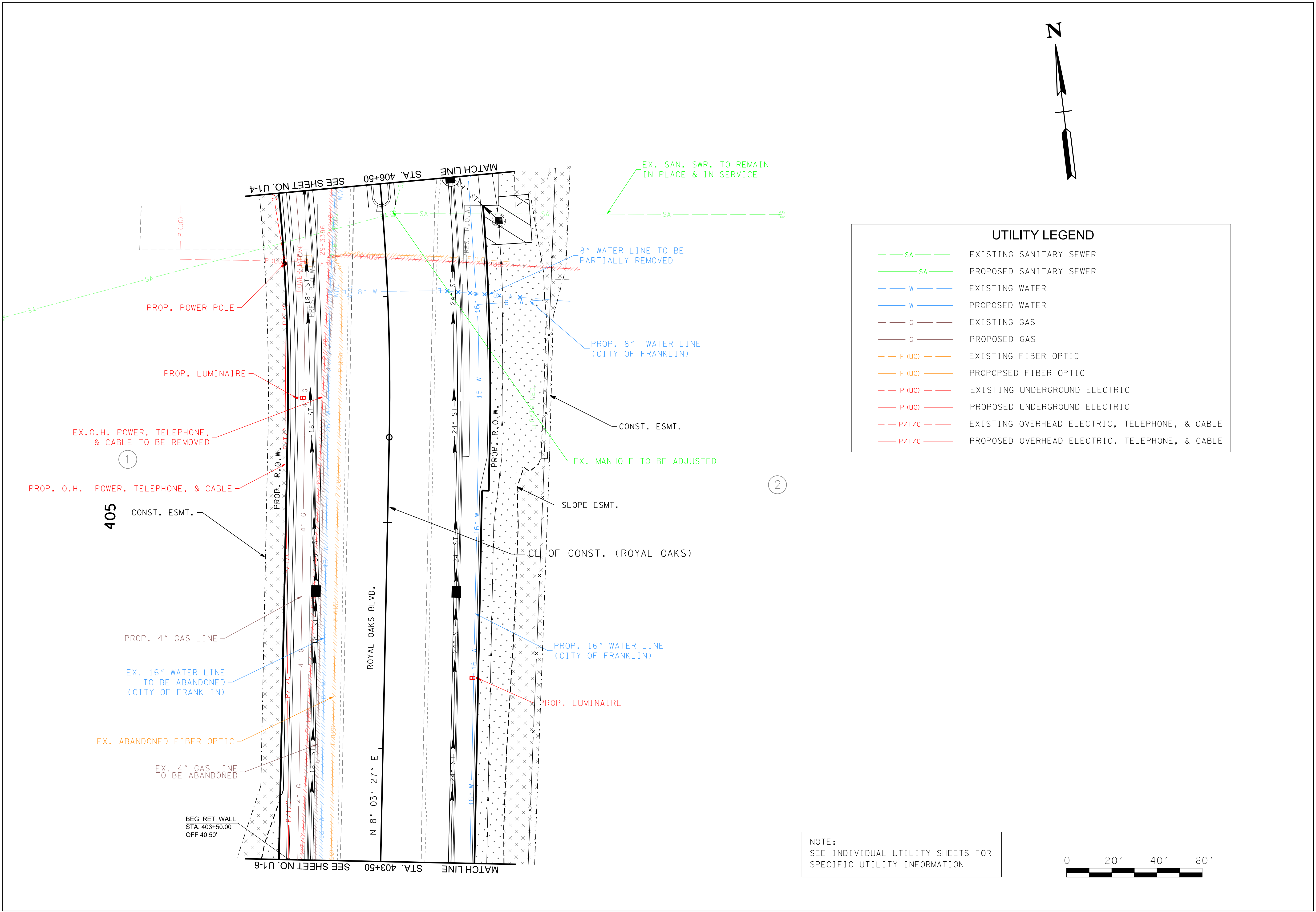
OVERALL UTILITY RELOCATION PLAN

MALLORY LANE / LIBERTY PIKE
FRANKLIN, TENNESSEE

DATE: _____
DESIGNED BY: _____
DRAWN BY: _____
SUPERVISED BY: _____
CHECKED BY: _____

YEAR: 2023

SHEET NO: U1-6



OVERALL UTILITY RELOCATION PLAN

MALLORY LANE / LIBERTY PIKE
FRANKLIN, TENNESSEE

DATE: _____
DESIGNED BY: _____
DRAWN BY: _____
SUPERVISED BY: _____
CHECKED BY: _____

YEAR: 2023

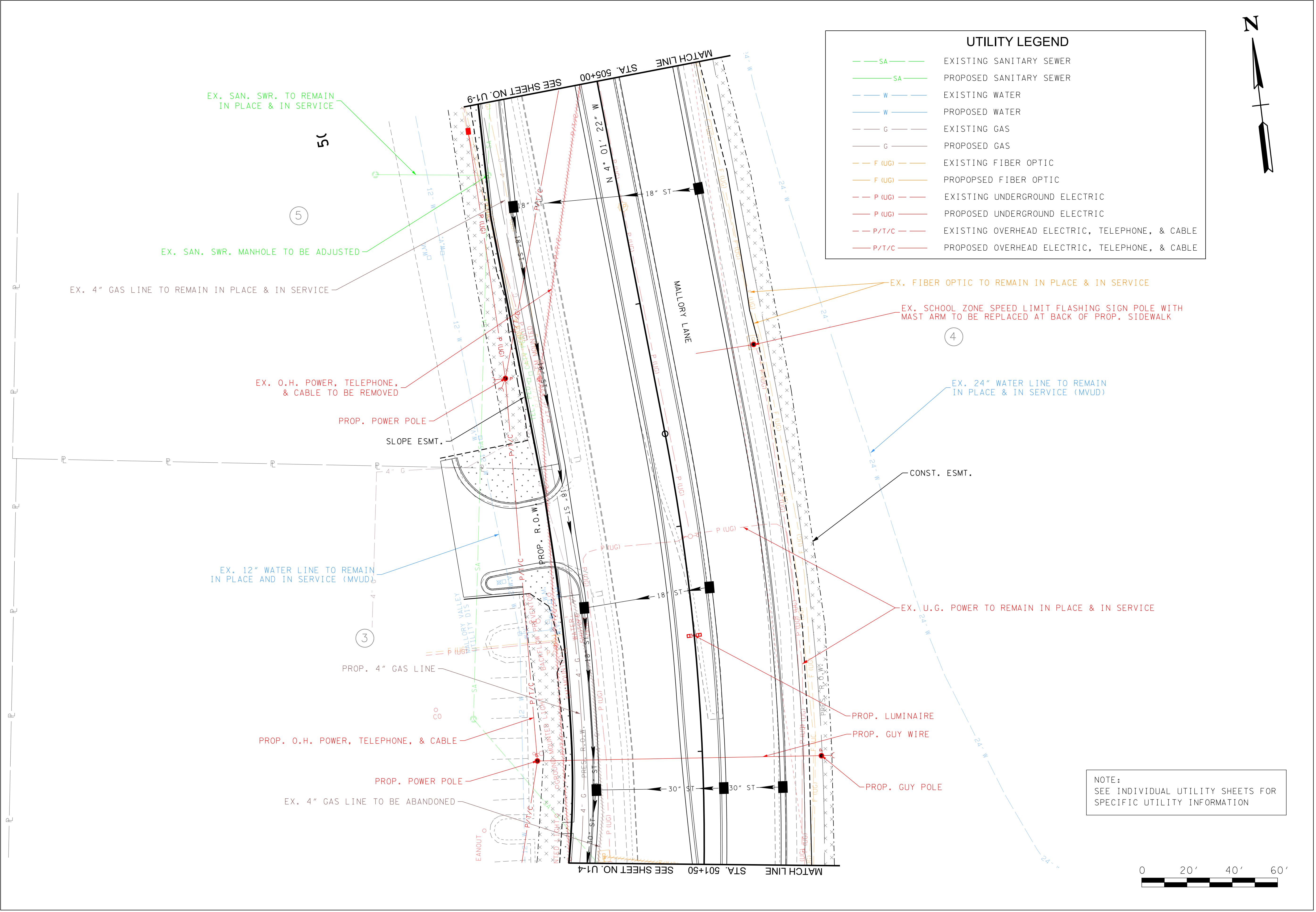
SHEET NO: U1-7

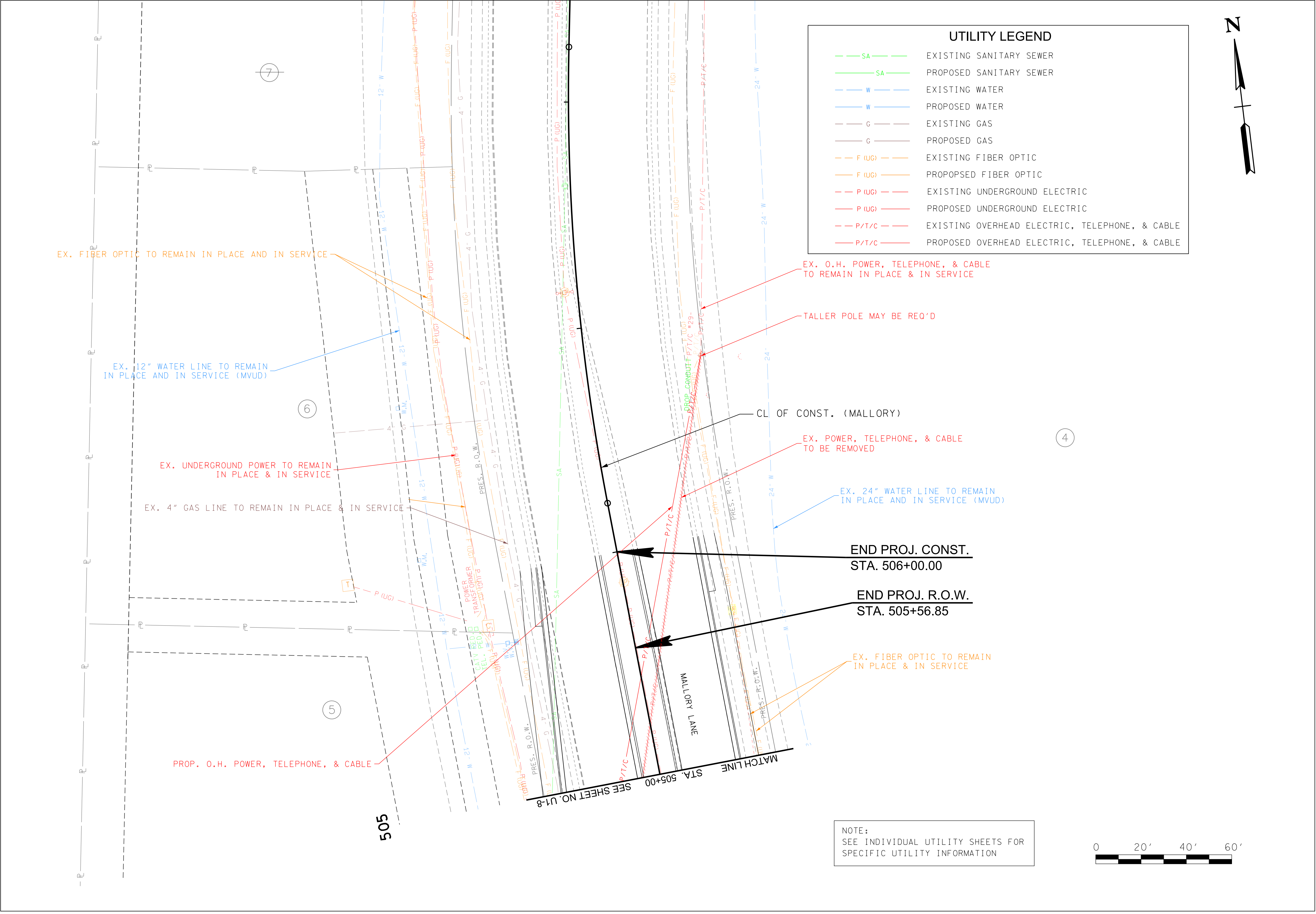
REVISIONS

NO	DATE	BY	DESCRIPTION

Volkert

BRENTWOOD COMMONS, 750 OLD HICKORY BLVD.
SUITE 230-1, BRENTWOOD, TN 37027
PHONE: (615) 656-1845 FAX: (615) 656-1870





OVERALL UTILITY RELOCATION PLAN

MALLORY LANE / LIBERTY PIKE
FRANKLIN, TENNESSEE

REVISIONS

NO	DATE	BY	DESCRIPTION

Volkert

BRENTWOOD COMMONS, 750 OLD HICKORY BLVD.
SUITE 230-1, BRENTWOOD, TN 37027
PHONE: (615) 656-1845 FAX: (615) 656-1870

DATE: _____

DESIGNED BY: _____

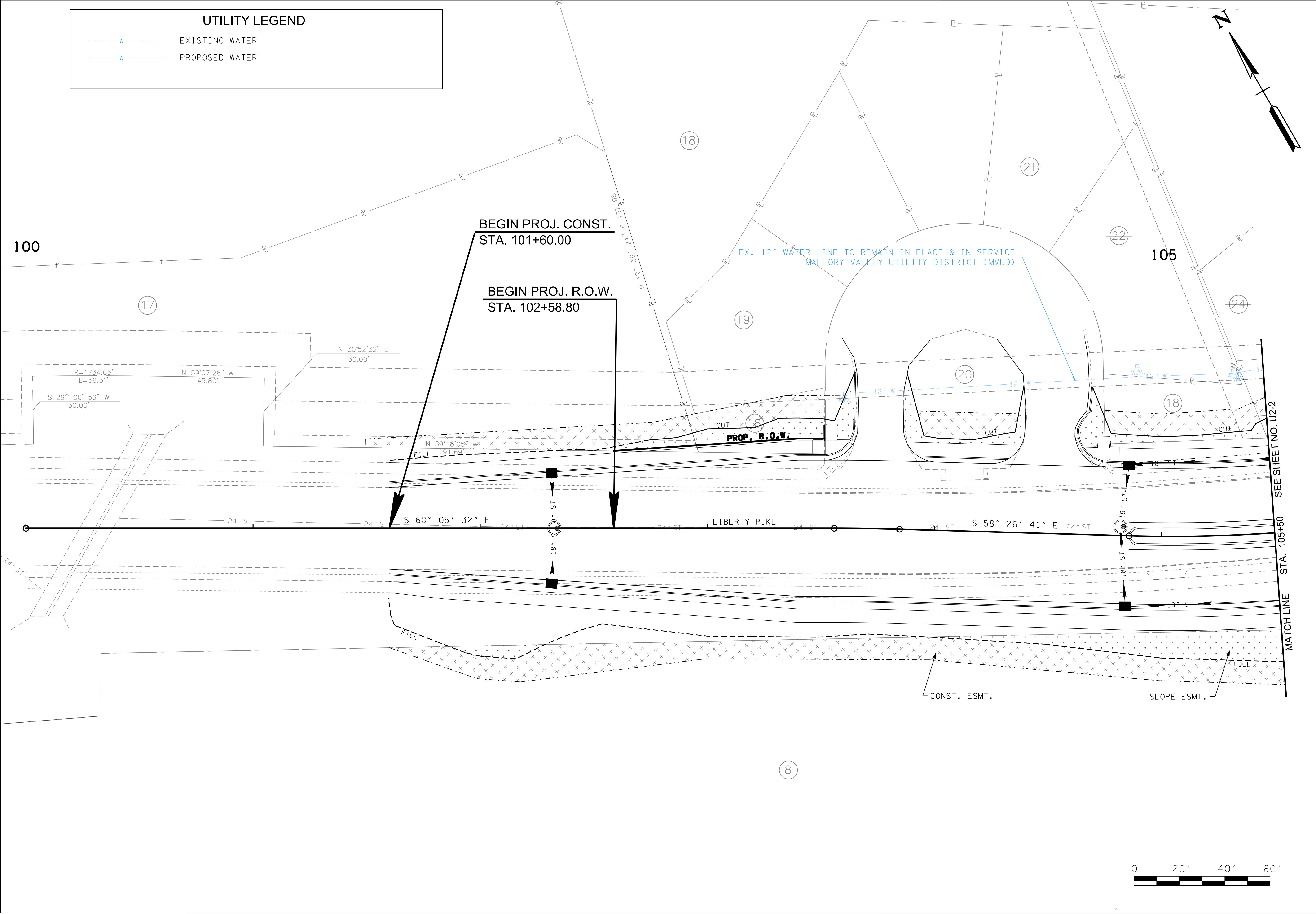
DRAWN BY: _____

SUPERVISED BY: _____

CHECKED BY: _____

YEAR: 2023

SHEET NO:U1-9



REVISIONS		DESCRIPTION	
NO	DATE	BY	

Volkert

BRENTWOOD COMMONS, 750 OLD HICKORY BLVD.
SUITE 230-1, BRENTWOOD, TN 37027
PHONE: (615) 656-1845 FAX: (615) 656-1870

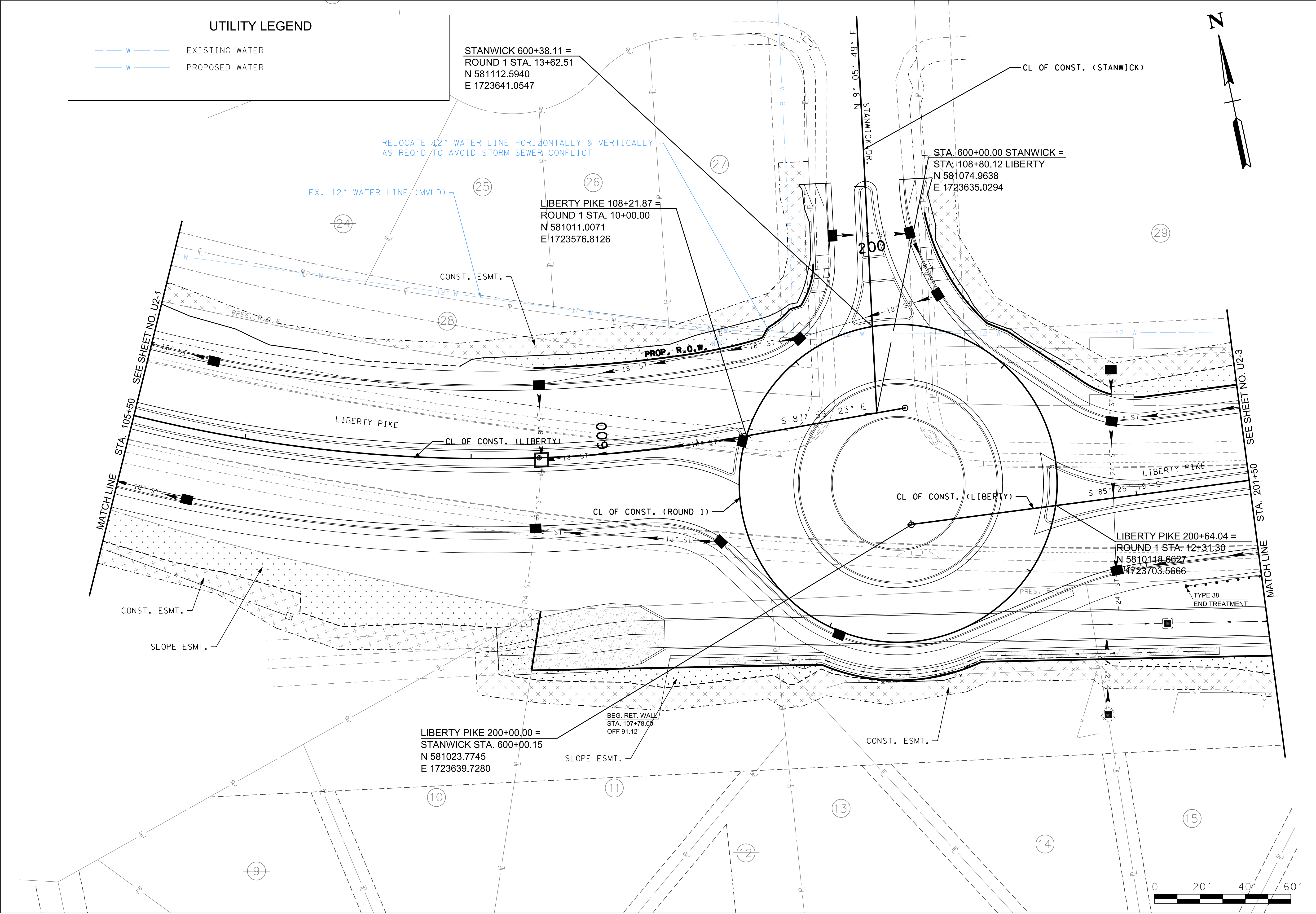
WATER UTILITY RELOCATION PLAN

MALLORY LANE / LIBERTY PIKE
FRANKLIN, TENNESSEE

DATE: _____
DESIGNED BY: _____
DRAWN BY: _____
SUPERVISED BY: _____
CHECKED BY: _____

YEAR: 2023

SHEET NO: U2-1



UTILITY LEGEND

--- W --- EXISTING WATER

--- W --- PROPOSED WATER

STANWICK 600+38.11 =
ROUND 1 STA. 13+62.51
N 581112.5940
E 1723641.0547

RELOCATE 42" WATER LINE HORIZONTALLY & VERTICALLY
AS REQ'D TO AVOID STORM SEWER CONFLICT

EX. 12" WATER LINE (MVUD)

LIBERTY PIKE 108+21.87 =
ROUND 1 STA. 10+00.00
N 581011.0071
E 1723576.8126

STA. 600+00.00 STANWICK =
STA. 108+80.12 LIBERTY
N 581074.9638
E 1723635.0294

LIBERTY PIKE 200+64.04 =
ROUND 1 STA. 12+31.30
N 5810118.6627
E 1723703.5666

LIBERTY PIKE 200+00.00 =
STANWICK STA. 600+00.15
N 581023.7745
E 1723639.7280

BEG. RET. WALL
STA. 107+78.00
OFF 91.12'

REVISIONS		DESCRIPTION
NO	DATE	BY

Volkert

BRENTWOOD COMMONS, 750 OLD HICKORY BLVD.
SUITE 230-1, BRENTWOOD, TN 37027
PHONE: (615) 656-1845 FAX: (615) 656-1870

WATER UTILITY RELOCATION PLAN

MALLORY LANE / LIBERTY PIKE
FRANKLIN, TENNESSEE

DATE: _____

DESIGNED BY: _____

DRAWN BY: _____

SUPERVISED BY: _____

CHECKED BY: _____

YEAR: 2023

SHEET NO: U2-2

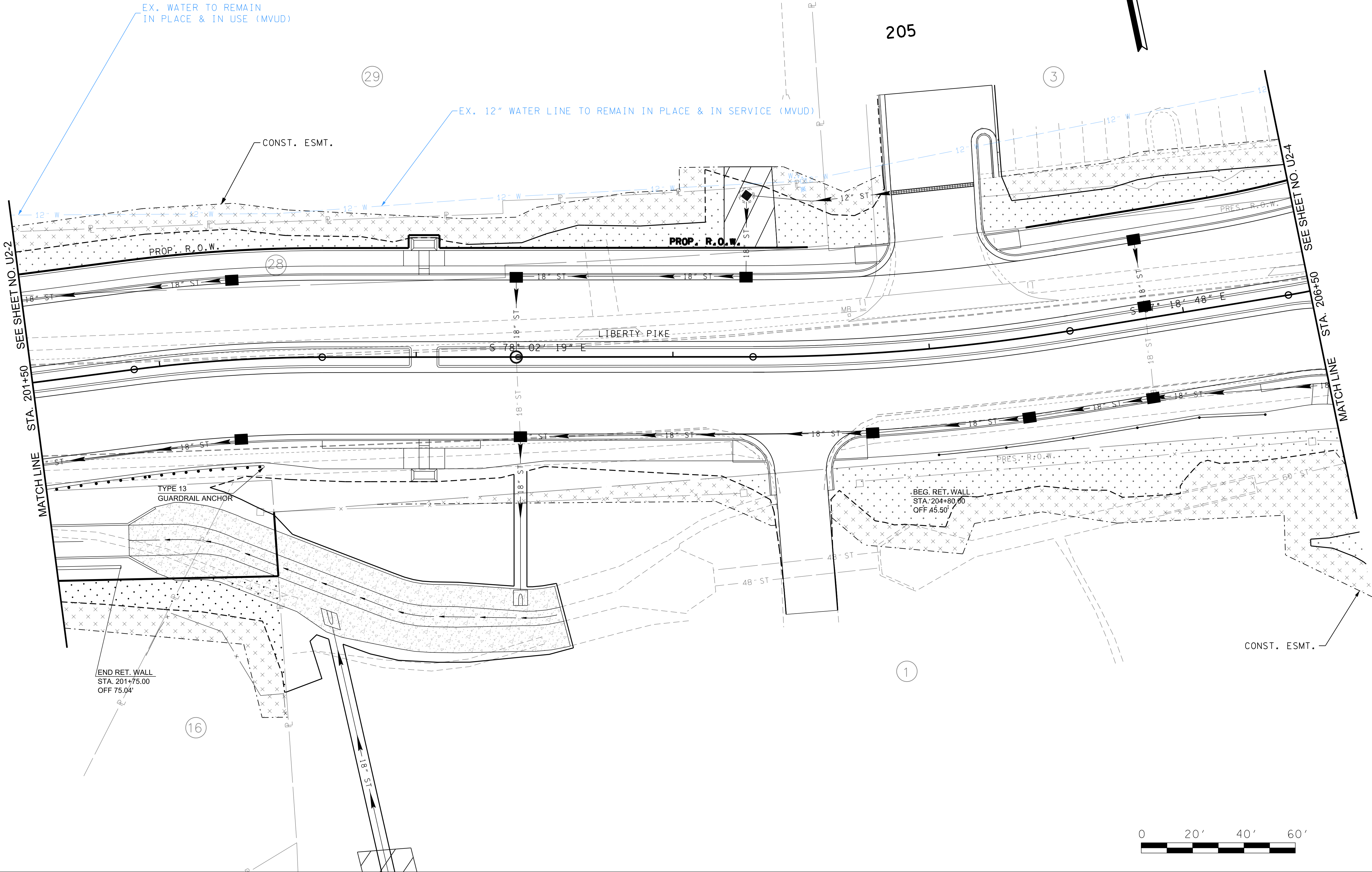
UTILITY LEGEND

W

EXISTING WATER

W

PROPOSED WATER



REVISIONS		DESCRIPTION	
NO	DATE	BY	

Volkert

BRENTWOOD COMMONS, 750 OLD HICKORY BLVD.
SUITE 230-1, BRENTWOOD, TN 37027
PHONE: (615) 656-1845 FAX: (615) 656-1870

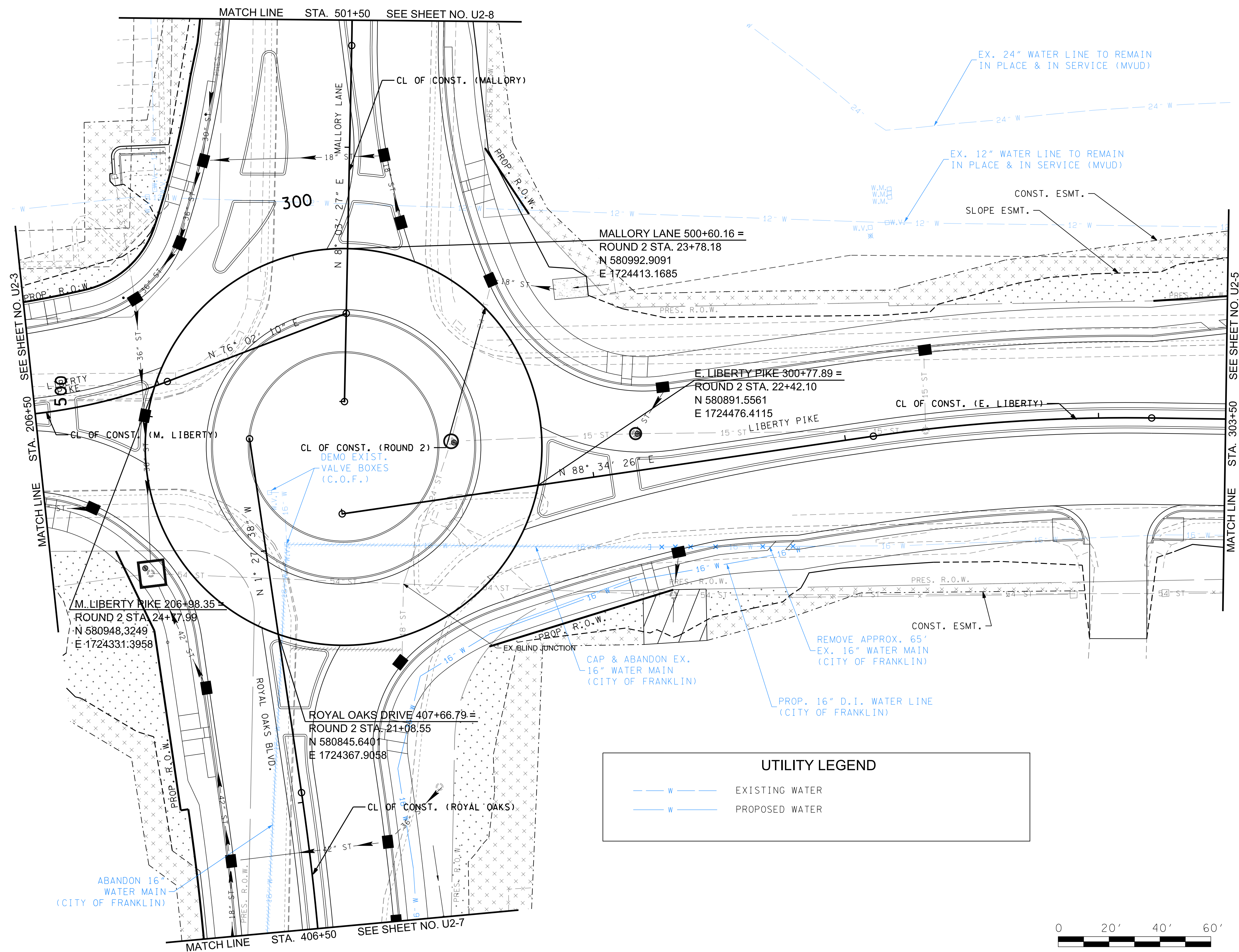
WATER UTILITY RELOCATION PLAN

MALLORY LANE / LIBERTY PIKE
FRANKLIN, TENNESSEE

DATE: _____
DESIGNED BY: _____
DRAWN BY: _____
SUPERVISED BY: _____
CHECKED BY: _____

YEAR: 2023

SHEET NO: U2-3

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Volkert

BRENTWOOD COMMONS, 750 OLD HICKORY BLVD.
SUITE 230-1, BRENTWOOD, TN 37027
PHONE: (615) 656-1845 FAX: (615) 656-1870

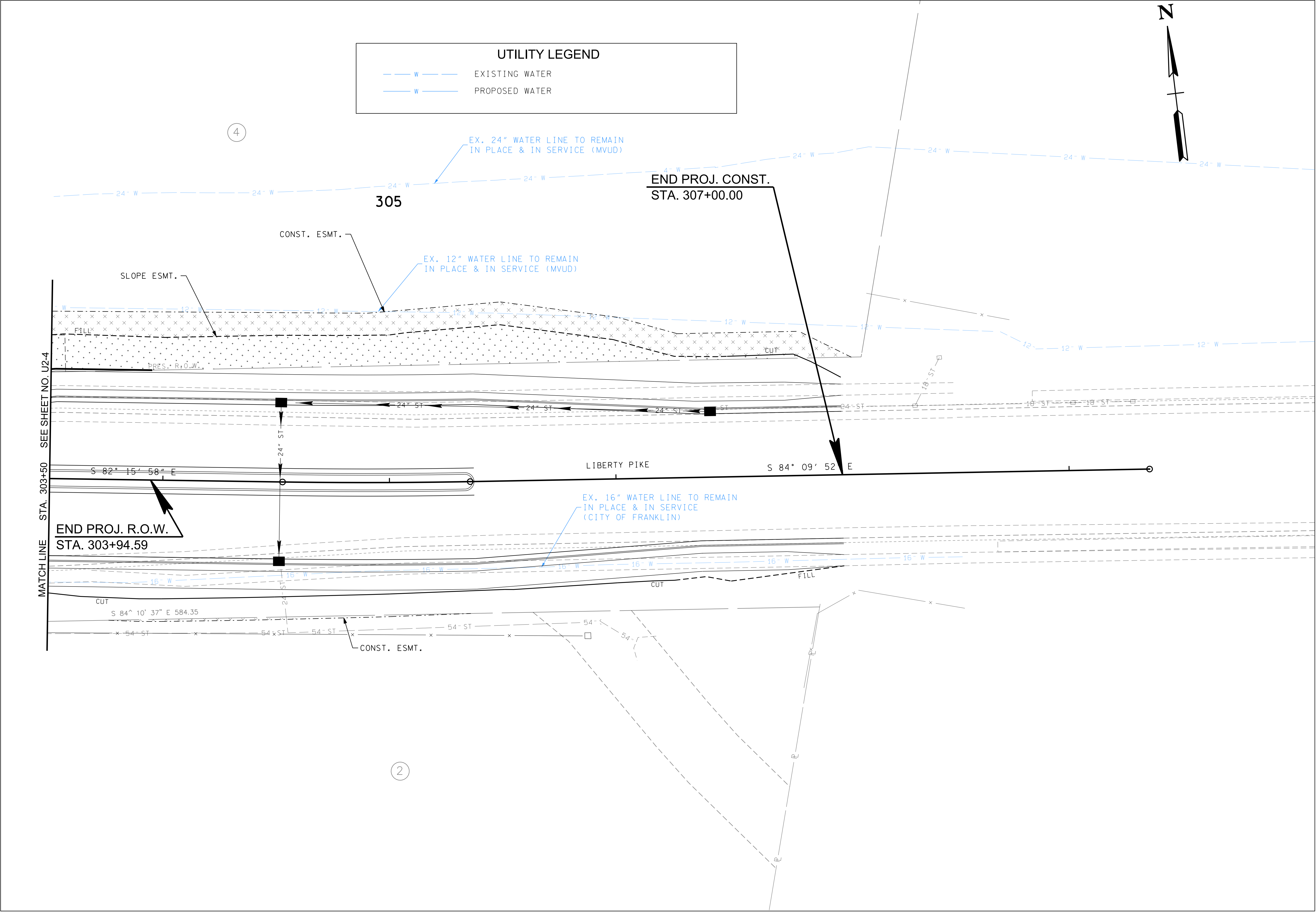
WATER UTILITY RELOCATION PLAN

FRANKLIN, TENNESSEE

DATE: _____
DESIGNED BY: _____
DRAWN BY: _____
SUPERVISED BY: _____
CHECKED BY: _____

YEAR: 2023

SHEET NO: U2-4



REVISIONS		DESCRIPTION	
NO	DATE	BY	

Volkert

BRENTWOOD COMMONS, 750 OLD HICKORY BLVD.
SUITE 230-1, BRENTWOOD, TN 37027
PHONE: (615) 656-1845 FAX: (615) 656-1870

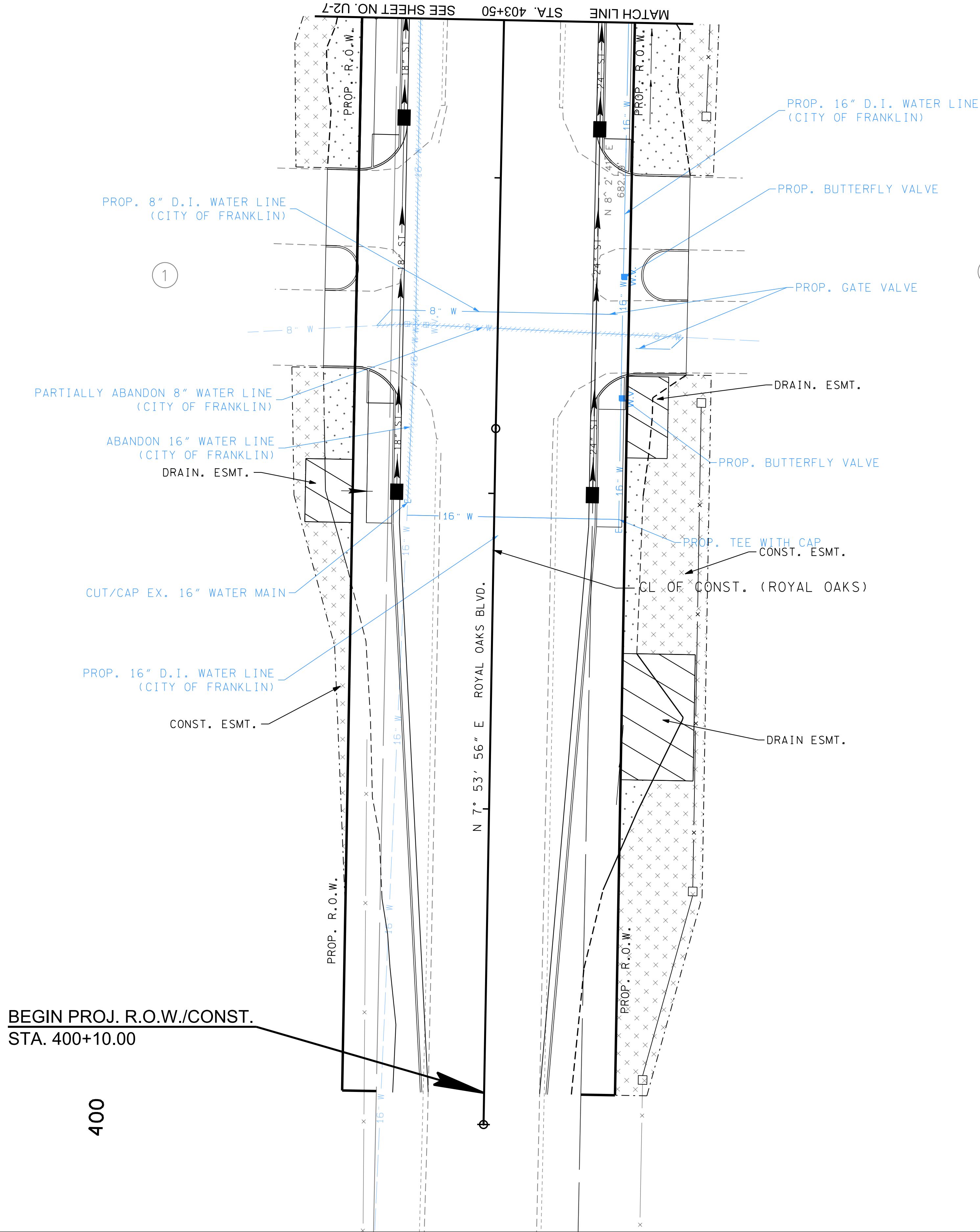
WATER UTILITY RELOCATION PLAN

MALLORY LANE / LIBERTY PIKE
FRANKLIN, TENNESSEE

DATE: _____
DESIGNED BY: _____
DRAWN BY: _____
SUPERVISED BY: _____
CHECKED BY: _____

YEAR: 2023

SHEET NO: U2-5



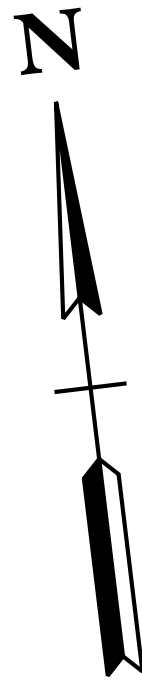
UTILITY LEGEND

— W —

EXISTING WATER

— W —

PROPOSED WATER



REVISIONS		DESCRIPTION	
NO	DATE	BY	

Volkert

BRENTWOOD COMMONS, 750 OLD HICKORY BLVD.
SUITE 230-1, BRENTWOOD, TN 37027
PHONE: (615) 656-1845 FAX: (615) 656-1870

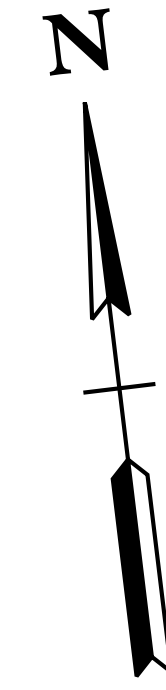
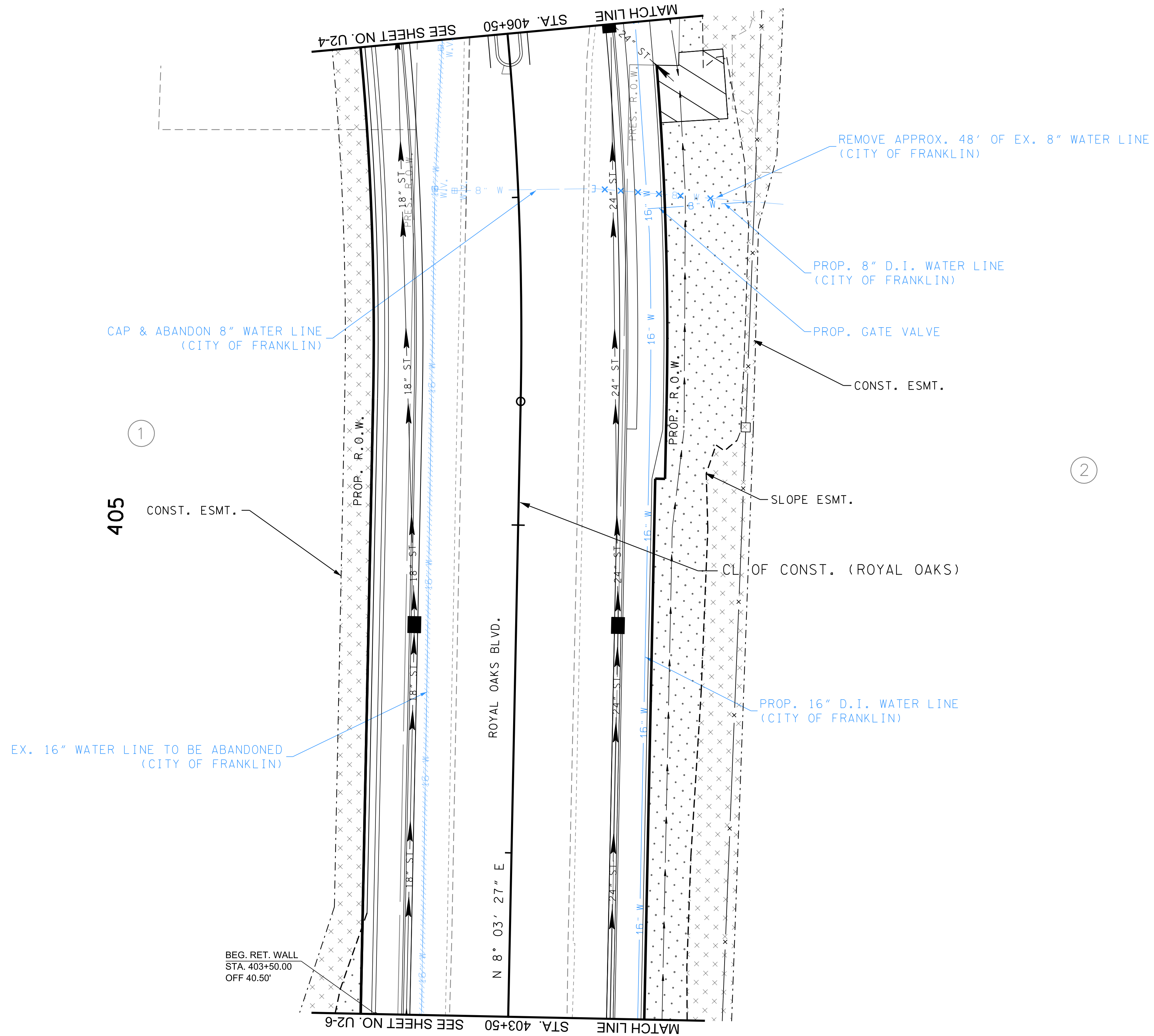
WATER UTILITY RELOCATION PLAN

MALLORY LANE / LIBERTY PIKE
FRANKLIN, TENNESSEE

DATE: _____
DESIGNED BY: _____
DRAWN BY: _____
SUPERVISED BY: _____
CHECKED BY: _____

YEAR: 2023

SHEET NO: U2-6

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Volkert

BRENTWOOD COMMONS, 750 OLD HICKORY BLVD.
SUITE 230-1, BRENTWOOD, TN 37027
PHONE: (615) 656-1845 FAX: (615) 656-1870

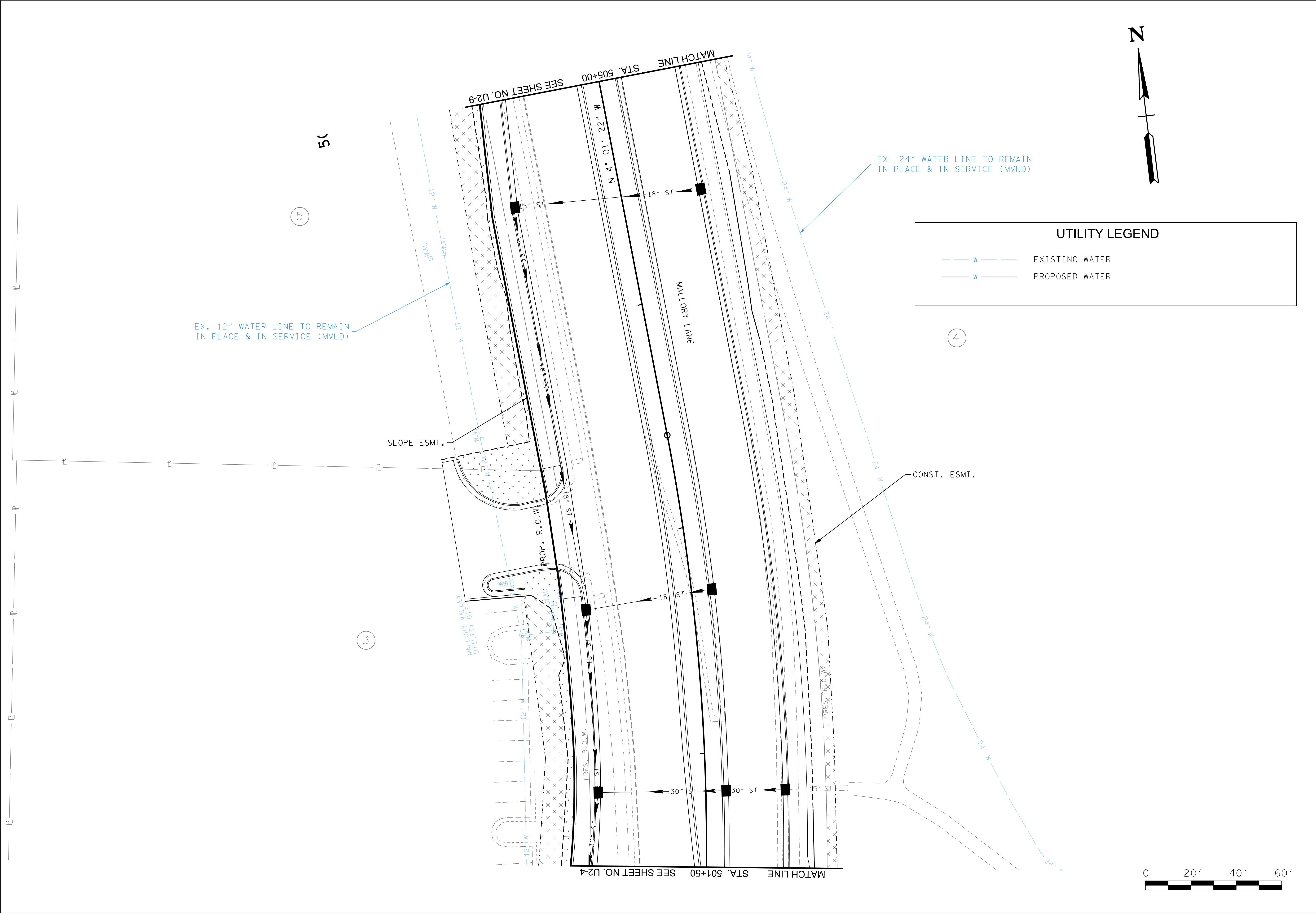
WATER UTILITY RELOCATION PLAN

MALLORY LANE / LIBERTY PIKE
FRANKLIN, TENNESSEE

DATE: _____
DESIGNED BY: _____
DRAWN BY: _____
SUPERVISED BY: _____
CHECKED BY: _____

YEAR: 2023

SHEET NO:U2-7



REVISONS		DESCRIPTION	
NO	DATE	BY	

Volkert

BRENTWOOD COMMONS, 750 OLD HICKORY BLVD.
SUITE 230-1, BRENTWOOD, TN 37027
PHONE: (615) 656-1845 FAX: (615) 656-1870

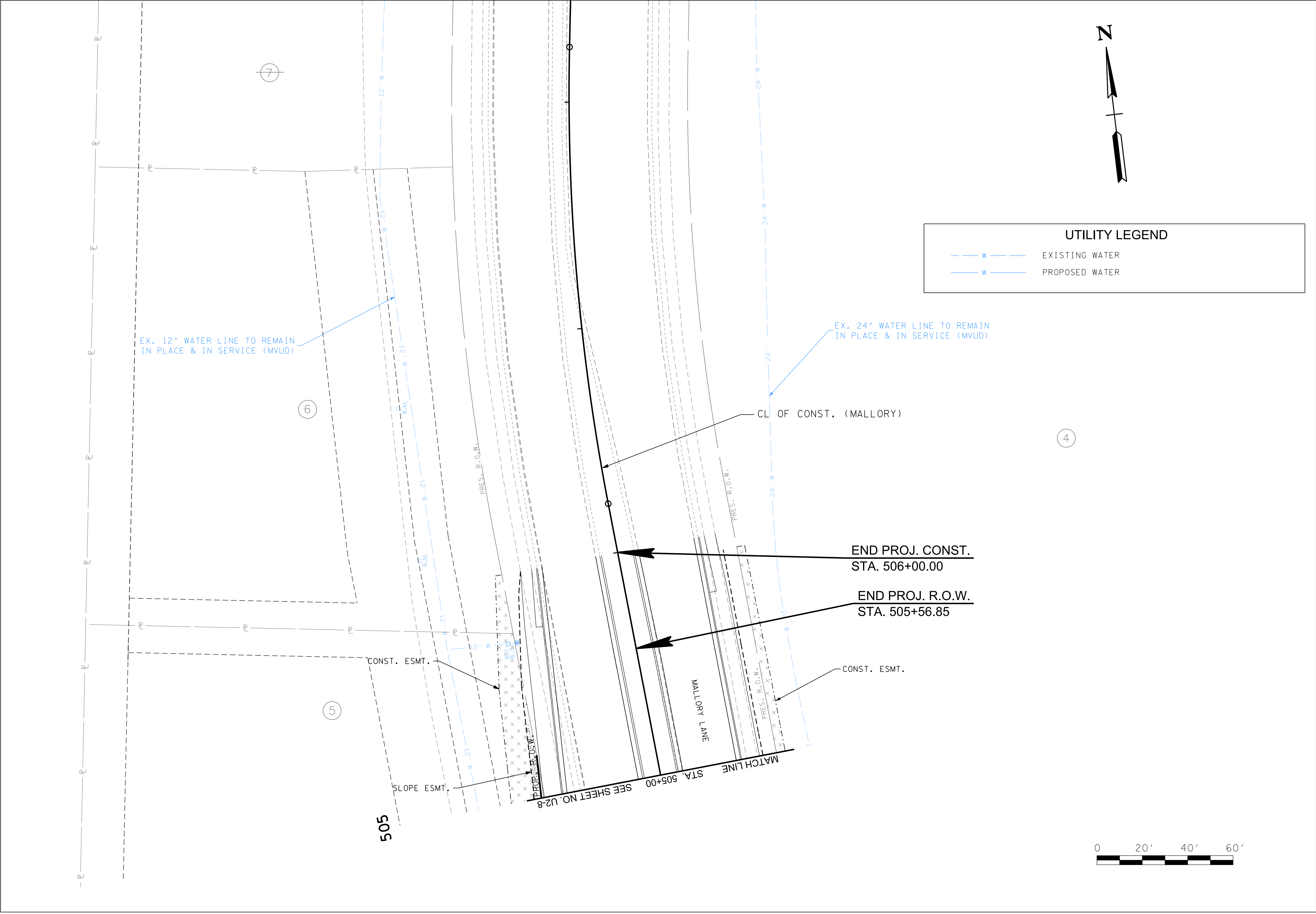
WATER UTILITY RELOCATION PLAN

MALLORY LANE / LIBERTY PIKE
FRANKLIN, TENNESSEE

DATE: _____
DESIGNED BY: _____
DRAWN BY: _____
SUPERVISED BY: _____
CHECKED BY: _____

YEAR: 2023

SHEET NO:U2-8



REVISIONS		DESCRIPTION	
NO	DATE	BY	

Volkert

BRENTWOOD COMMONS, 750 OLD HICKORY BLVD.
SUITE 230-1, BRENTWOOD, TN 37027
PHONE: (615) 656-1845 FAX: (615) 656-1870

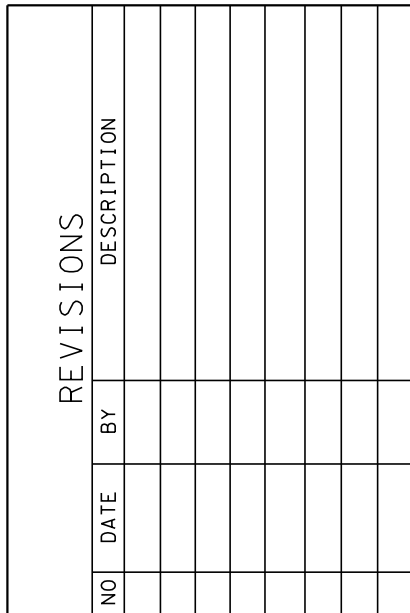
WATER UTILITY RELOCATION PLAN

MALLORY LANE / LIBERTY PIKE
FRANKLIN, TENNESSEE

DATE: _____
DESIGNED BY: _____
DRAWN BY: _____
SUPERVISED BY: _____
CHECKED BY: _____

YEAR: 2023

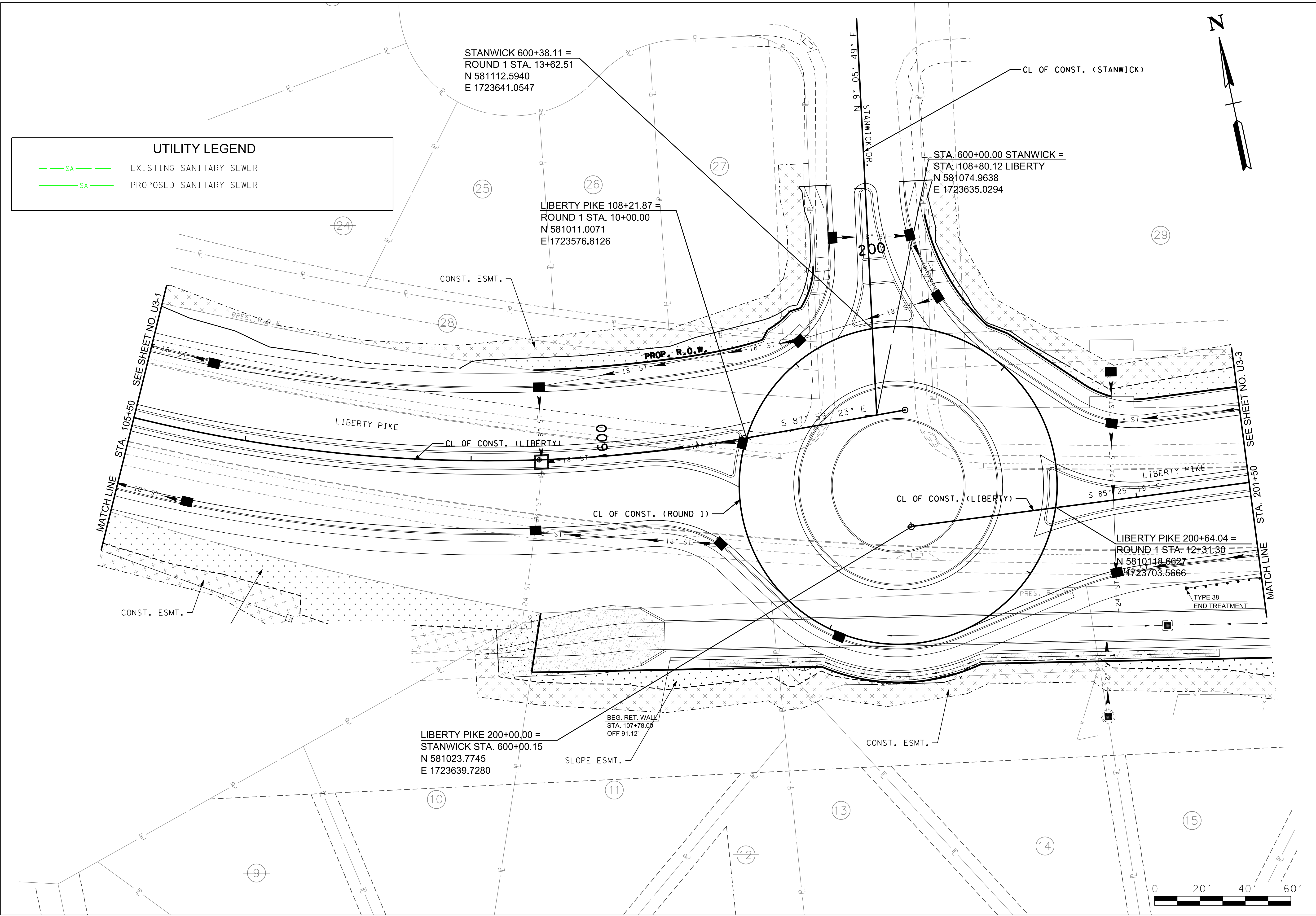
SHEET NO:U2-9



SANITARY SEWER UTILITY RELOCATION
PLAN

MALLORY LANE / LIBERTY PIKE
FRANKLIN, TENNESSEE

Page 417 of 634



UTILITY LEGEND

— SA —

EXISTING SANITARY SEWER

— SA —

PROPOSED SANITARY SEWER

REVISIONS		DESCRIPTION	
NO	DATE	BY	

SANITARY SEWER UTILITY RELOCATION
PLAN

MALLORY LANE / LIBERTY PIKE
FRANKLIN, TENNESSEE

DATE: _____

DESIGNED BY: _____

DRAWN BY: _____

SUPERVISED BY: _____

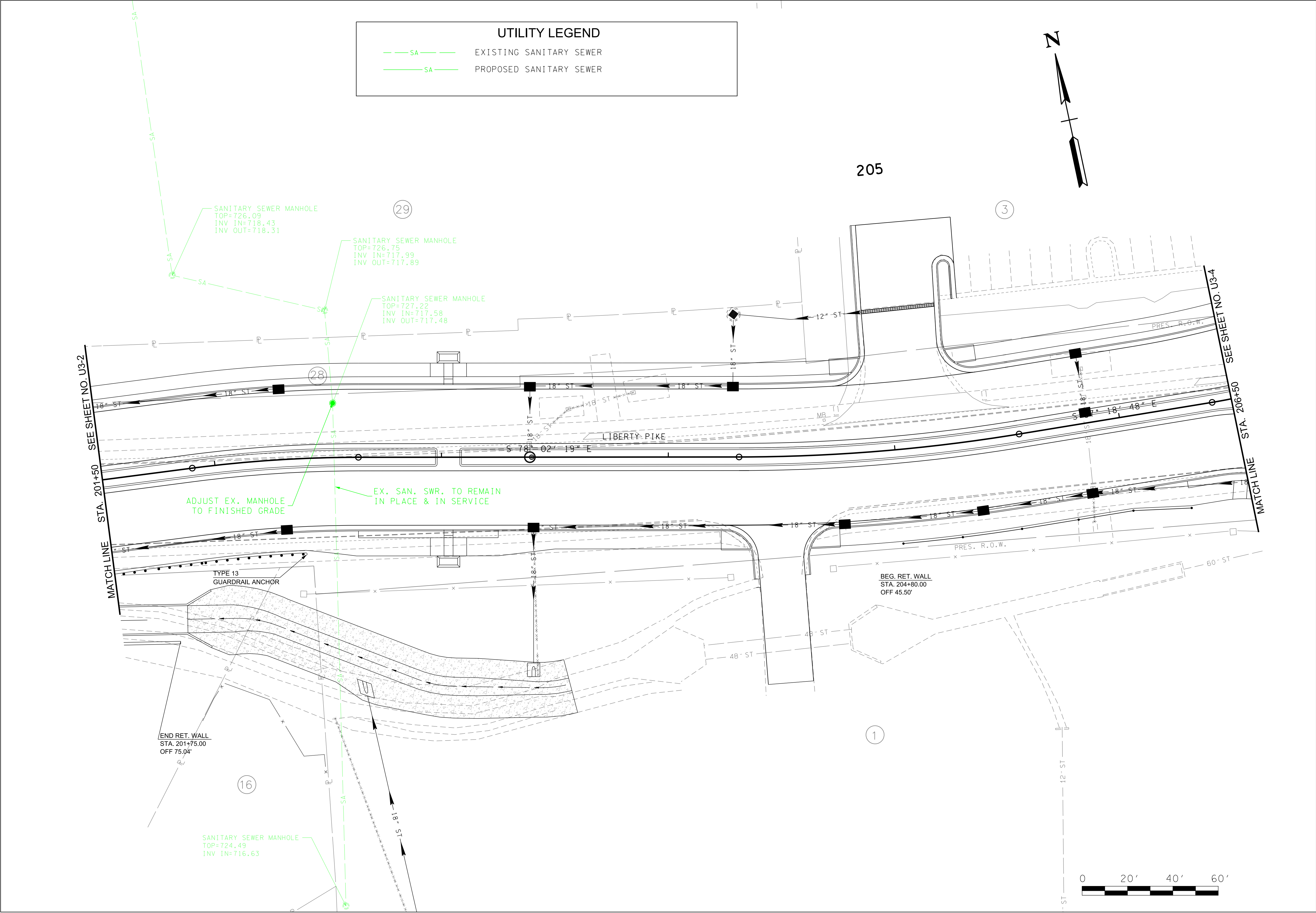
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YEAR: 2023

SHEET NO:U3-2

Volkert

BRENTWOOD COMMONS, 750 OLD HICKORY BLVD.
SUITE 230-1, BRENTWOOD, TN 37027
PHONE: (615) 656-1845 FAX: (615) 656-1870



REVISIONS		DESCRIPTION	
NO	DATE	BY	

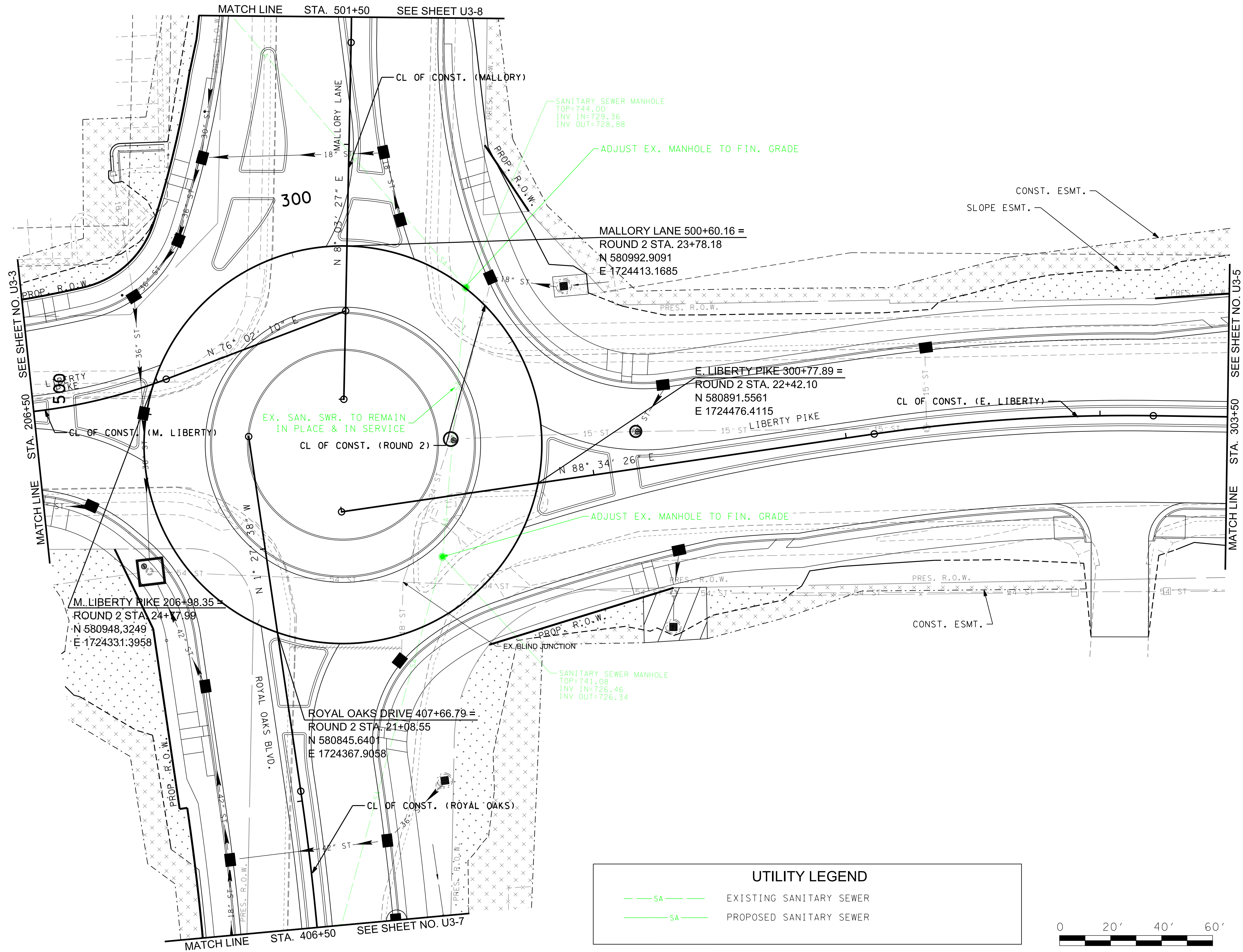
Volkert

BRENTWOOD COMMONS, 750 OLD HICKORY BLVD.
SUITE 230-1, BRENTWOOD, TN 37027
PHONE: (615) 656-1845 FAX: (615) 656-1870

SANITARY SEWER UTILITY RELOCATION
PLAN

MALLORY LANE / LIBERTY PIKE
FRANKLIN, TENNESSEE

DATE: _____
DESIGNED BY: _____
DRAWN BY: _____
SUPERVISED BY: _____
CHECKED BY: _____
YEAR: 2023
SHEET NO: U3-3



REVISIONS		DESCRIPTION	
NO	DATE	BY	

Volkert

BRENTWOOD COMMONS, 750 OLD HICKORY BLVD.
SUITE 230-1, BRENTWOOD, TN 37027
PHONE: (615) 656-1845 FAX: (615) 656-1870

SANITARY SEWER UTILITY RELOCATION
PLAN

MALLORY LANE / LIBERTY PIKE
FRANKLIN, TENNESSEE

DATE: _____

DESIGNED BY: _____

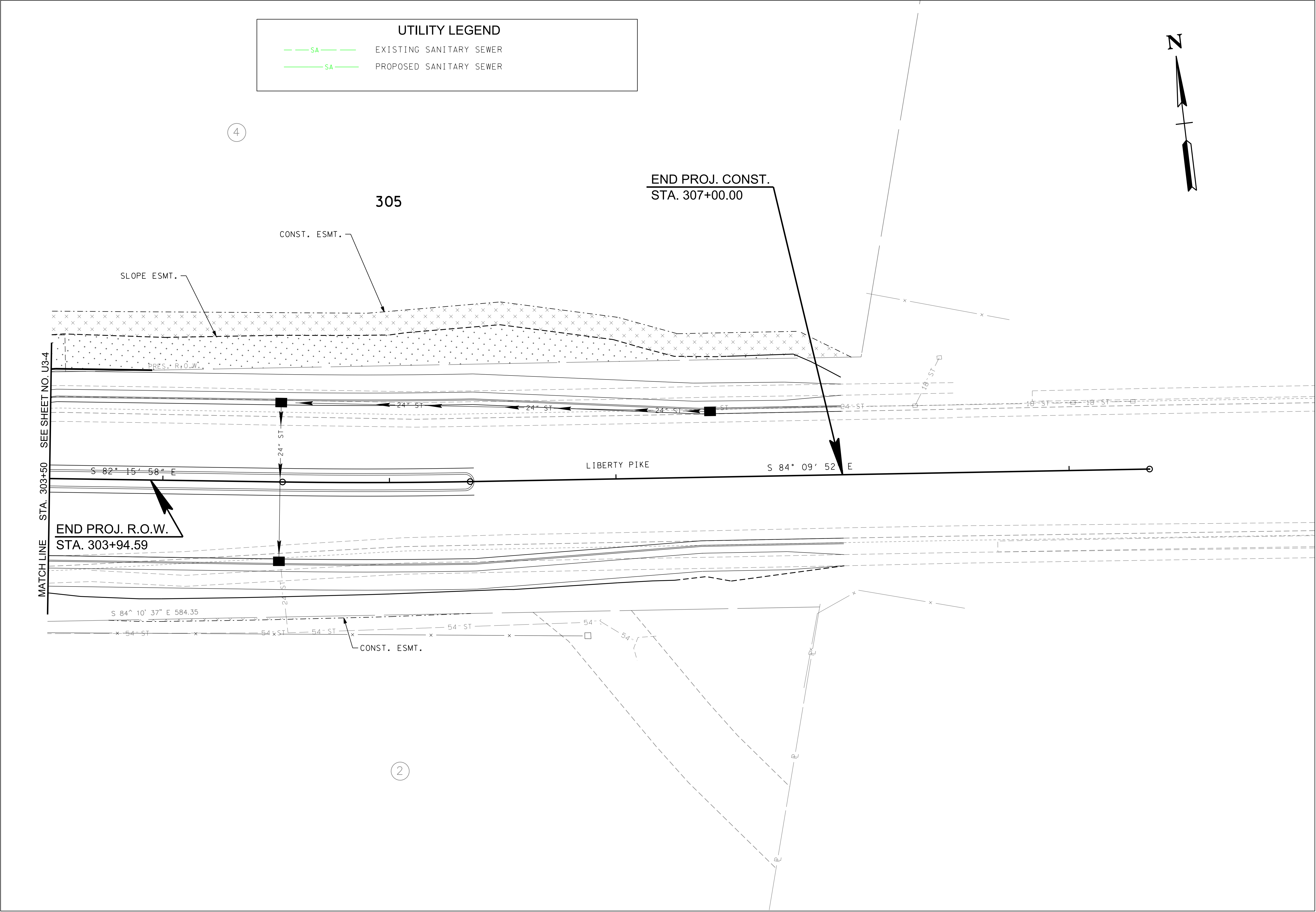
DRAWN BY: _____

SUPERVISED BY: _____

CHECKED BY: _____

YEAR: 2023

SHEET NO: U3-4



UTILITY LEGEND

SA

EXISTING SANITARY SEWER

SA

PROPOSED SANITARY SEWER

REVISIONS		DESCRIPTION	
NO	DATE	BY	

Volkert

BRENTWOOD COMMONS, 750 OLD HICKORY BLVD.
SUITE 230-1, BRENTWOOD, TN 37027
PHONE: (615) 656-1845 FAX: (615) 656-1870

SANITARY SEWER UTILITY RELOCATION
PLAN

MALLORY LANE / LIBERTY PIKE
FRANKLIN, TENNESSEE

DATE: _____

DESIGNED BY: _____

DRAWN BY: _____

SUPERVISED BY: _____

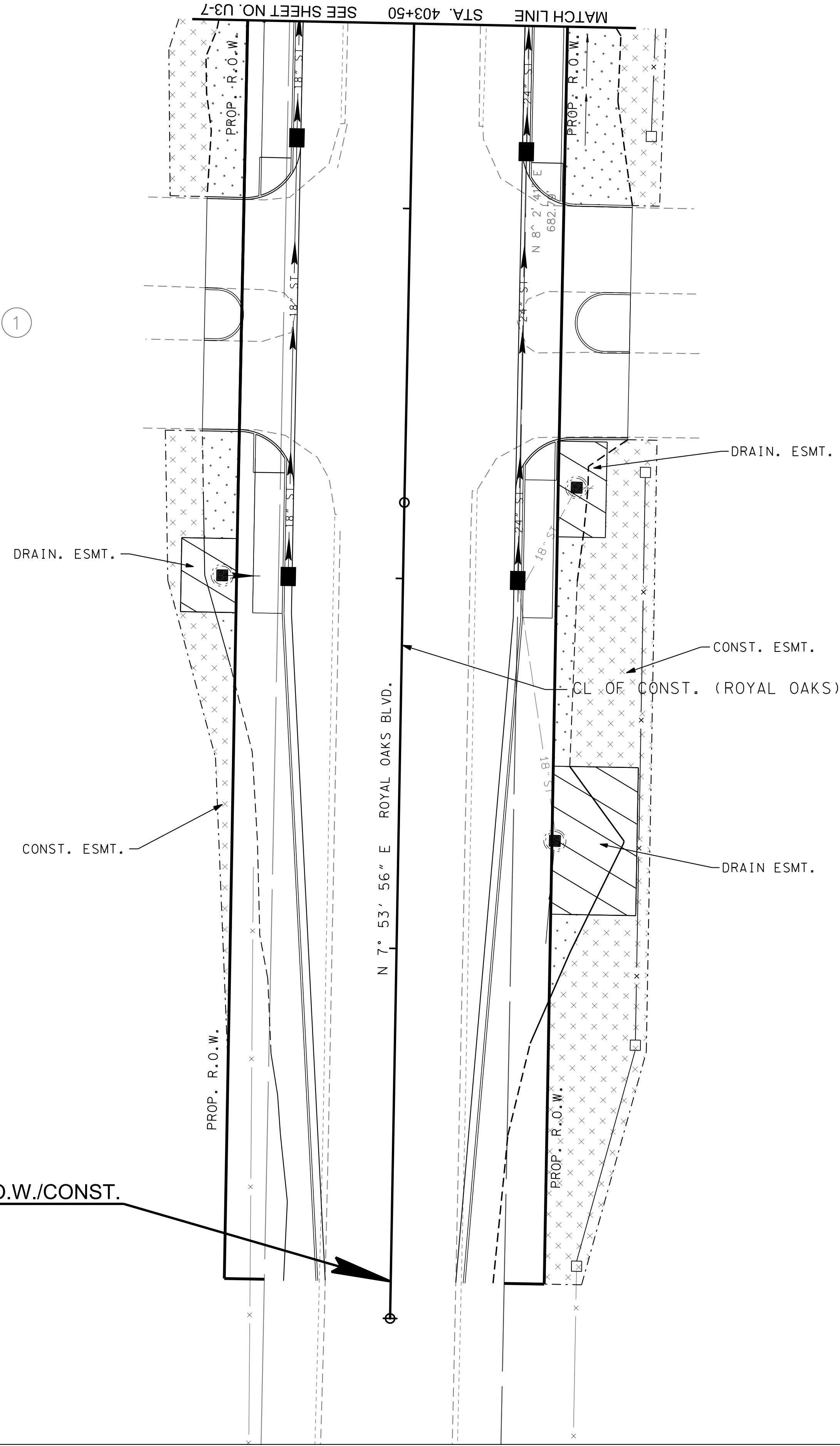
CHECKED BY: _____

YEAR: 2023

SHEET NO: U3-5

BEGIN PROJ. R.O.W./CONST.
STA. 400+10.00

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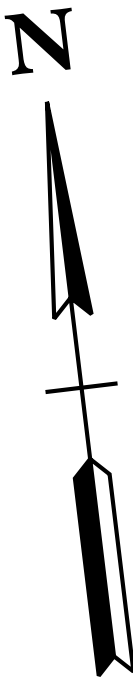
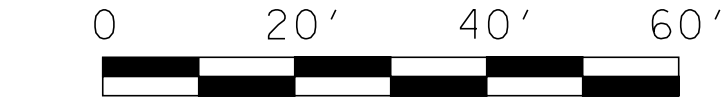
UTILITY LEGEND

SA

EXISTING SANITARY SEWER

SA

PROPOSED SANITARY SEWER



SANITARY SEWER UTILITY RELOCATION
PLAN

MALLORY LANE / LIBERTY PIKE
FRANKLIN, TENNESSEE

DATE: _____

DESIGNED BY: _____

DRAWN BY: _____

SUPERVISED BY: _____

CHECKED BY: _____

YEAR: 2023

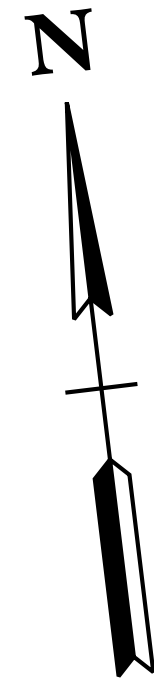
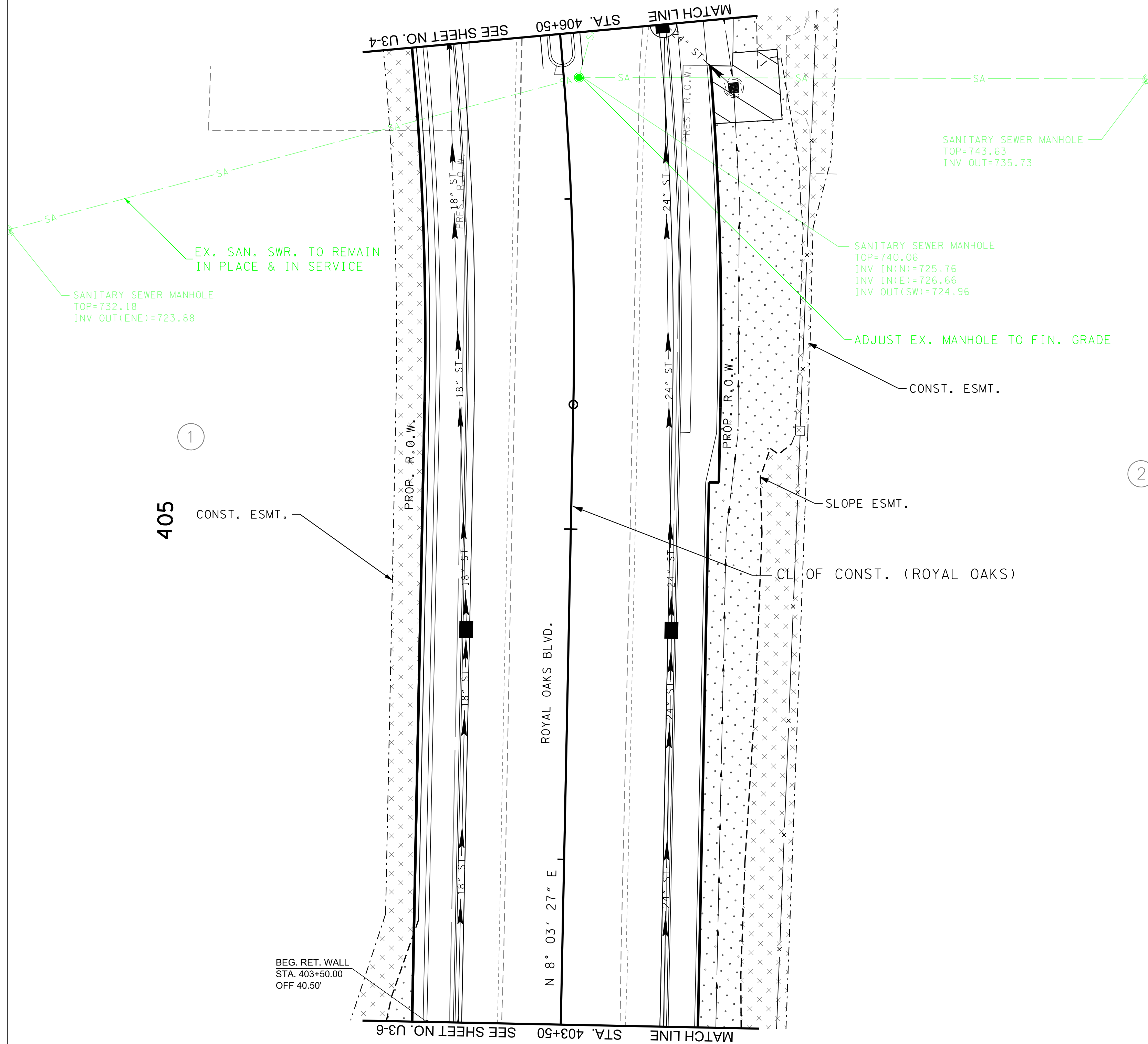
SHEET NO: U3-6

VOLKERT

BRENTWOOD COMMONS, 750 OLD HICKORY BLVD.
SUITE 230-1, BRENTWOOD, TN 37027
PHONE: (615) 656-1845 FAX: (615) 656-1870

REVISIONS	
NO	DATE

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UTILITY LEGEND

	EXISTING SANITARY SEWER
	PROPOSED SANITARY SEWER

[illegible]

SANITARY SEWER UTILITY RELOCATION PLAN

MALLORY LANE / LIBERTY PIKE
FRANKLIN, TENNESSEE

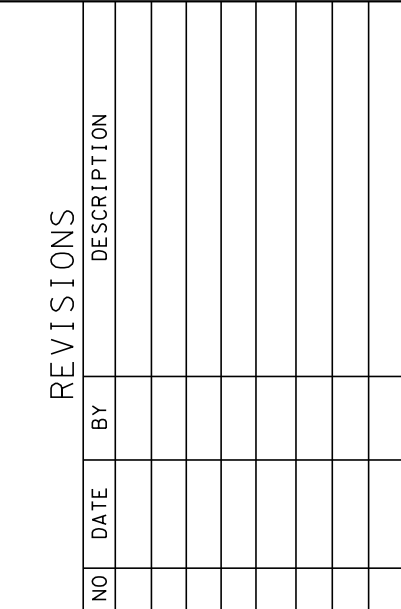
DATE: _____
DESIGNED BY: _____
DRAWN BY: _____
SUPERVISED BY: _____
CHECKED BY: _____

YEAR: 2023

SHEET NO:U3-7

VOLKERT

BRENTWOOD COMMONS, 750 OLD HICKORY BLVD.
SUITE 230-1, BRENTWOOD, TN 37027
PHONE: (615) 656-1845 FAX: (615) 656-1870



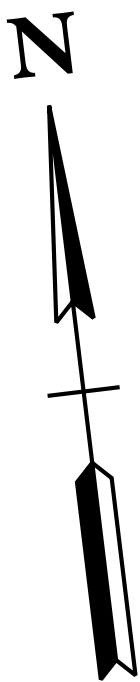
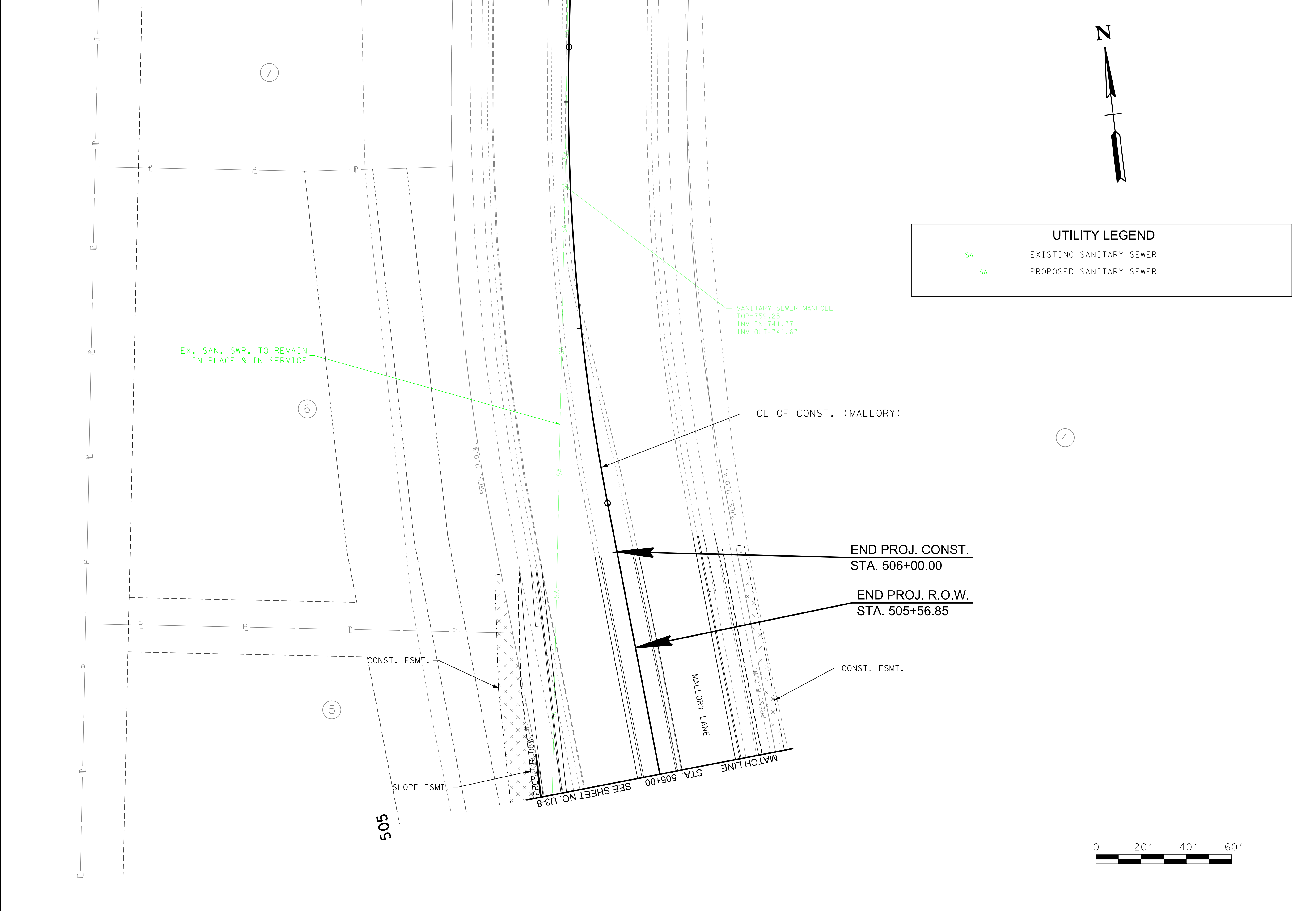
BRENTWOOD COMMONS, 750 OLD HICKORY BLVD.
SUITE 230-1, BRENTWOOD, TN 37027
PHONE: (615) 656-1845 FAX: (615) 656-1870

MALLORY LANE / LIBERTY PIKE
FRANKLIN, TENNESSEE

DATE: _____
DESIGNED BY: _____
DRAWN BY: _____
SUPERVISED BY: _____
CHECKED BY: _____

YEAR: 2023

SHEET NO:U3-8



REVISIONS		DESCRIPTION	
NO	DATE	BY	

Volkert

BRENTWOOD COMMONS, 750 OLD HICKORY BLVD.
SUITE 230-1, BRENTWOOD, TN 37027
PHONE: (615) 656-1845 FAX: (615) 656-1870

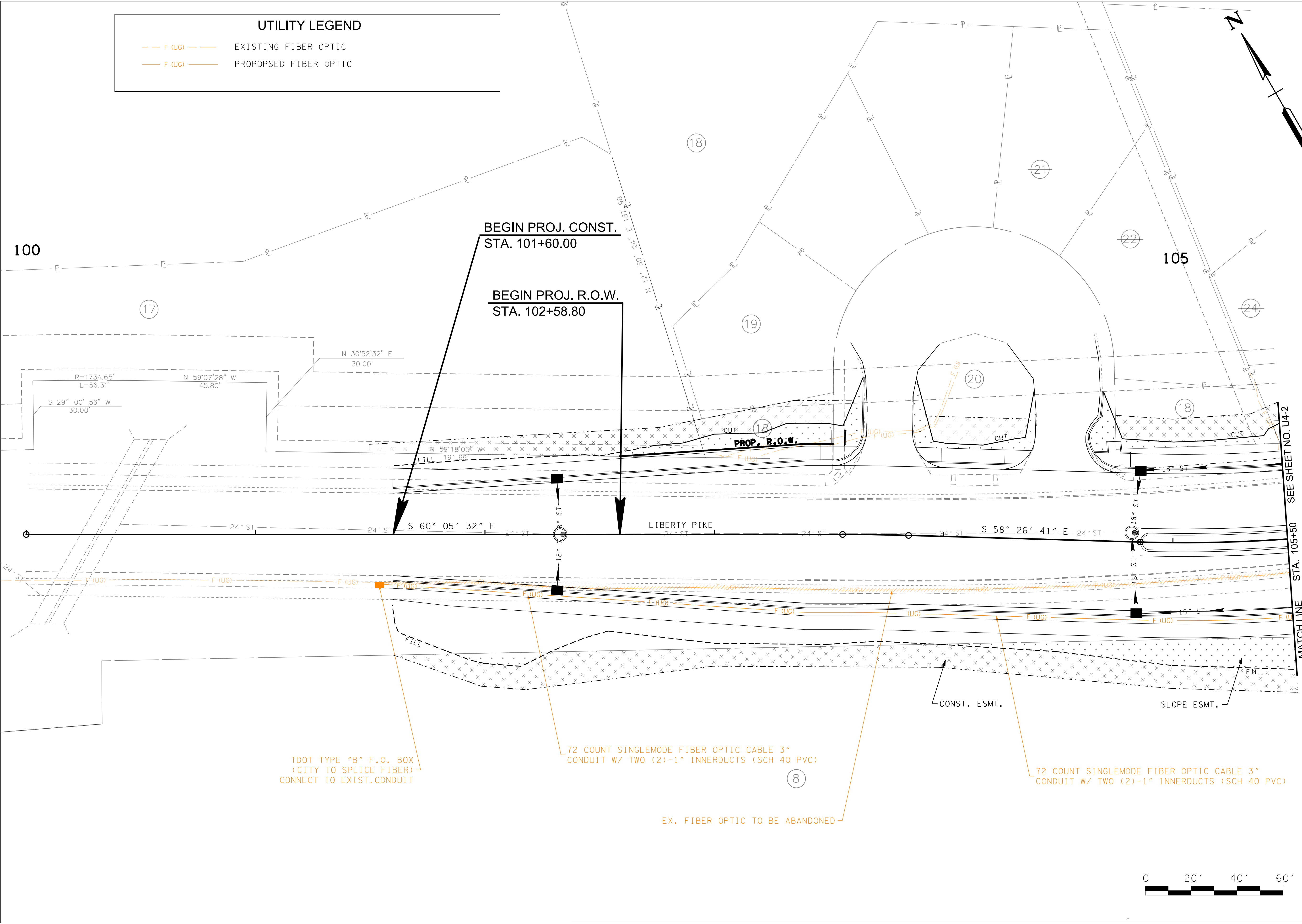
SANITARY SEWER UTILITY RELOCATION
PLAN

MALLORY LANE / LIBERTY PIKE
FRANKLIN, TENNESSEE

DATE: _____
DESIGNED BY: _____
DRAWN BY: _____
SUPERVISED BY: _____
CHECKED BY: _____

YEAR: 2023

SHEET NO:U3-9



UTILITY LEGEND

--- F (UG) --- EXISTING FIBER OPTIC

--- F (UG) --- PROPOSED FIBER OPTIC

REVISIONS		DESCRIPTION	
NO	DATE	BY	

Volkert

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PHONE: (615) 656-1845 FAX: (615) 656-1870

FIBER OPTIC UTILITY RELOCATION PLAN

MALLORY LANE / LIBERTY PIKE
FRANKLIN, TENNESSEE

DATE: _____

DESIGNED BY: _____

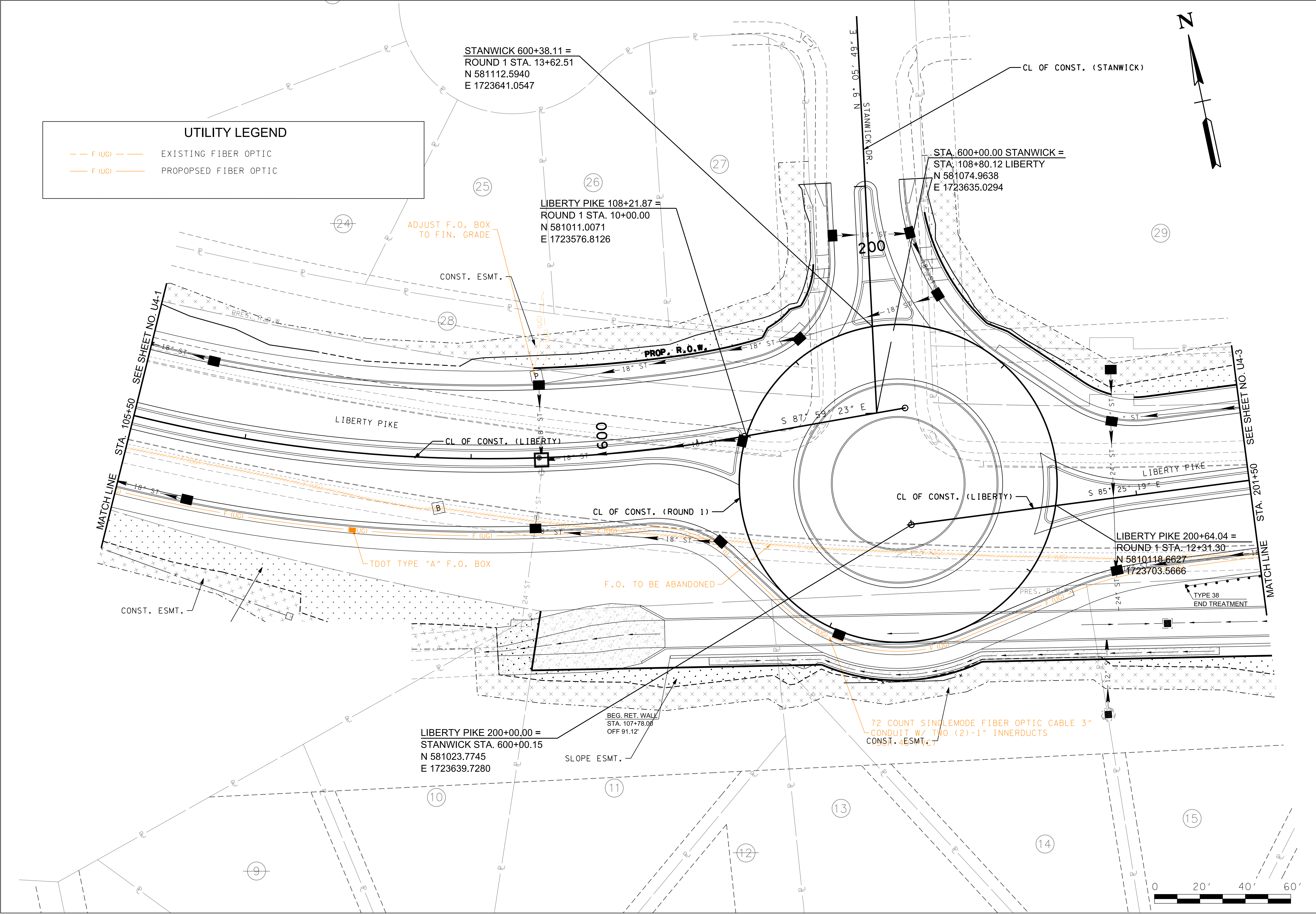
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SUPERVISED BY: _____

CHECKED BY: _____

YEAR: 2023

SHEET NO: U4-1



UTILITY LEGEND

F (UG)

EXISTING FIBER OPTIC

F (UG)

PROPOSED FIBER OPTIC

REVISIONS		DESCRIPTION	
NO	DATE	BY	

FIBER OPTIC UTILITY RELOCATION PLAN

MALLORY LANE / LIBERTY PIKE

FRANKLIN, TENNESSEE

DATE: _____

DESIGNED BY: _____

DRAWN BY: _____

SUPERVISED BY: _____

CHECKED BY: _____

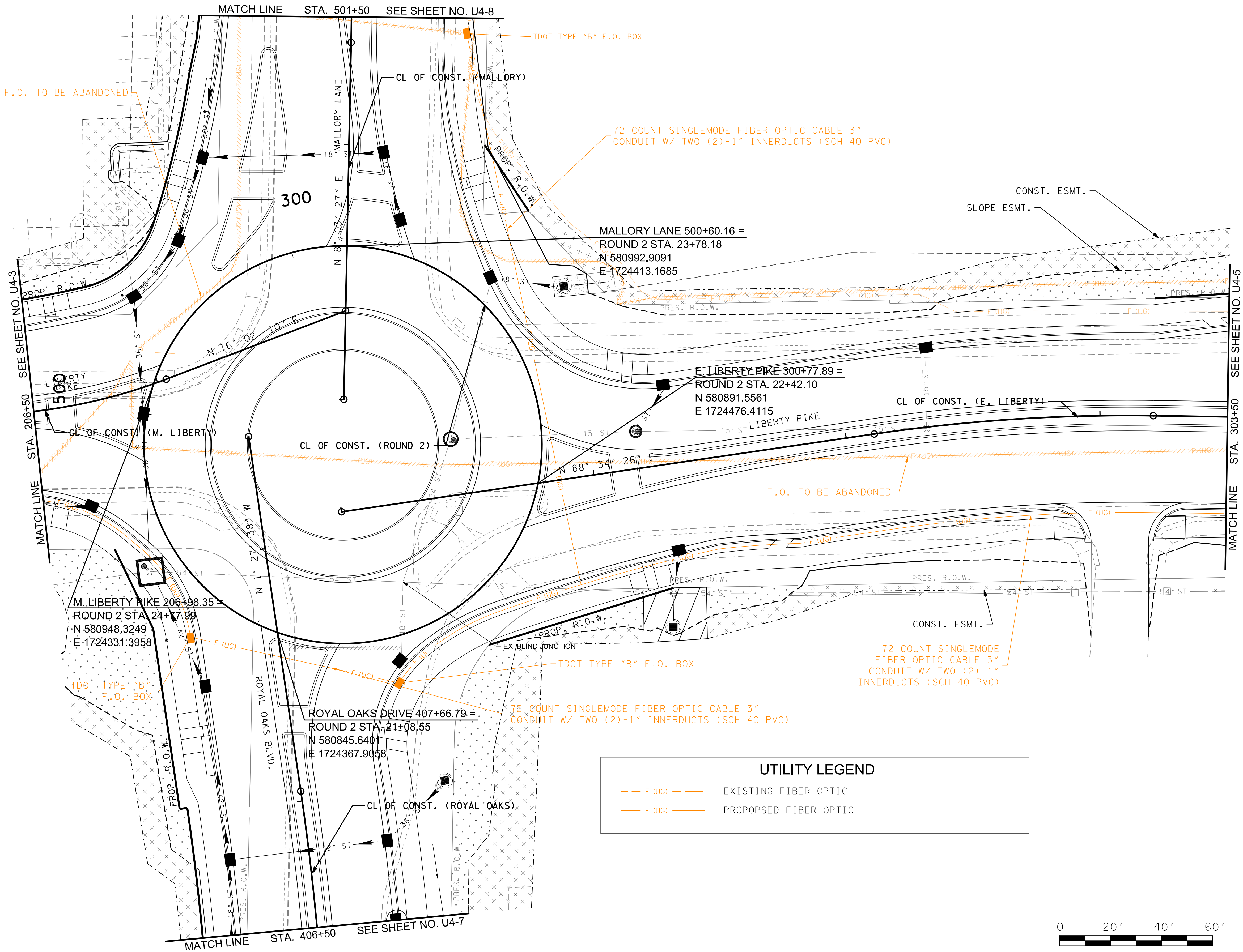
YEAR: 2023

SHEET NO:U4-2

BRENTWOOD COMMONS, 750 OLD HICKORY BLVD.

SUITE 230-1, BRENTWOOD, TN 37027

PHONE: (615) 656-1845 FAX: (615) 656-1870



UTILITY LEGEND

F (UG)

EXISTING FIBER OPTIC

F (UG)

PROPOSED FIBER OPTIC



REVISIONS		DESCRIPTION	
NO	DATE	BY	

FIBER OPTIC UTILITY RELOCATION PLAN

Volkert

BRENTWOOD COMMONS, 750 OLD HICKORY BLVD.
SUITE 230-1, BRENTWOOD, TN 37027
PHONE: (615) 656-1845 FAX: (615) 656-1870

MALLORY LANE / LIBERTY PIKE
FRANKLIN, TENNESSEE

DATE: _____

DESIGNED BY: _____

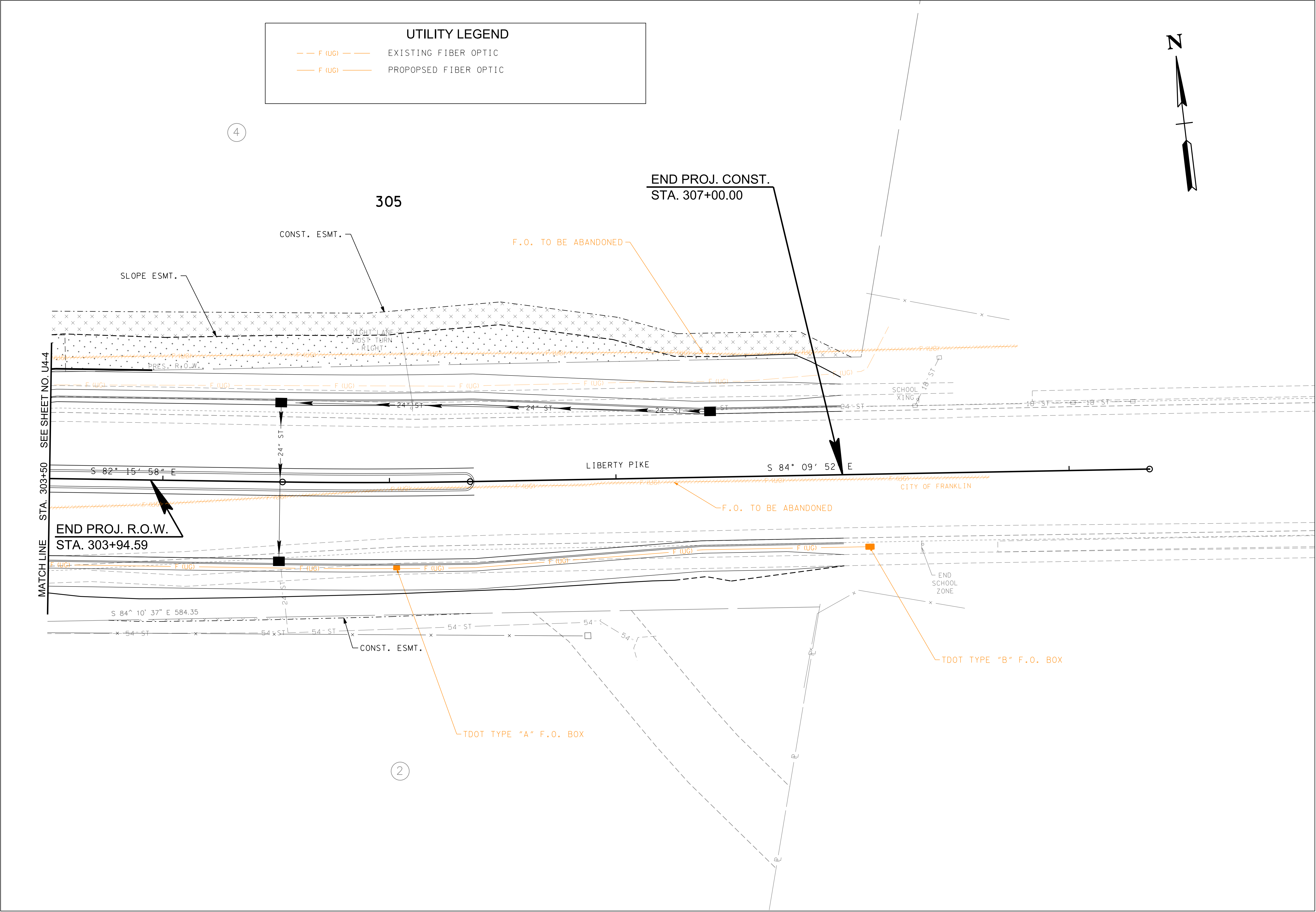
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SUPERVISED BY: _____

CHECKED BY: _____

YEAR: 2023

SHEET NO: U4-4



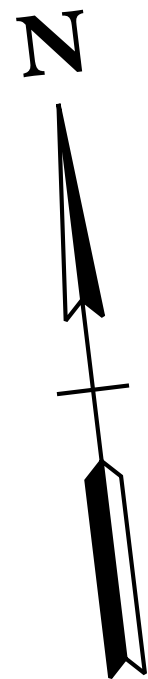
UTILITY LEGEND

F (UG)

EXISTING FIBER OPTIC

F (UG)

PROPOSED FIBER OPTIC



REVISIONS		DESCRIPTION	
NO	DATE	BY	

FIBER OPTIC UTILITY RELOCATION PLAN

Volkert

BRENTWOOD COMMONS, 750 OLD HICKORY BLVD.
SUITE 230-1, BRENTWOOD, TN 37027
PHONE: (615) 656-1845 FAX: (615) 656-1870

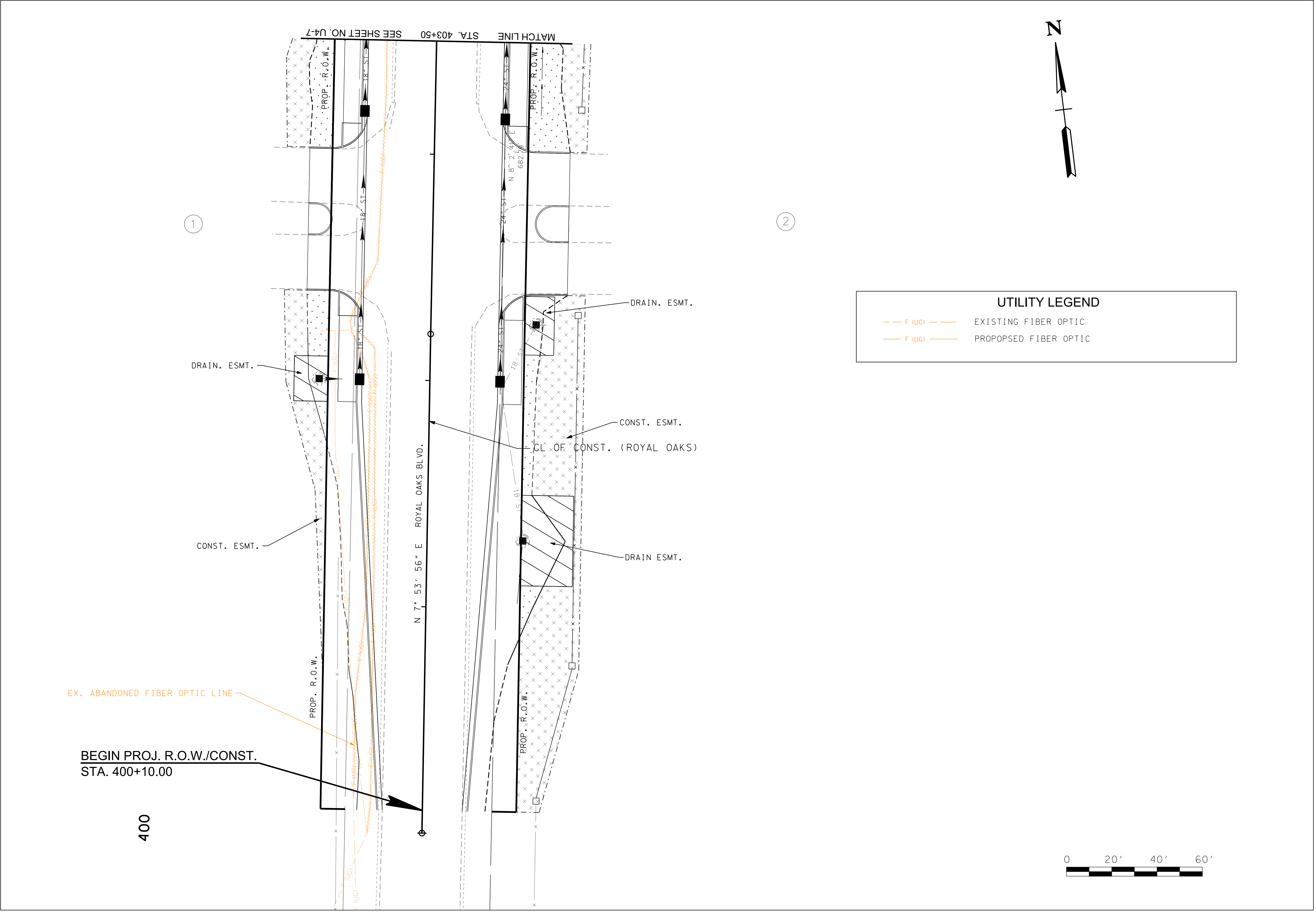
MALLORY LANE / LIBERTY PIKE
FRANKLIN, TENNESSEE

DATE: _____
DESIGNED BY: _____
DRAWN BY: _____
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CHECKED BY: _____

YEAR: 2023

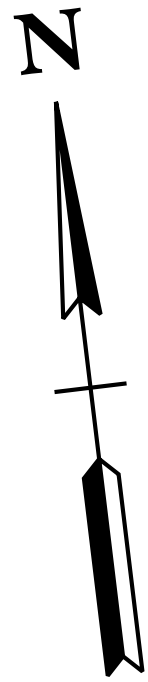
SHEET NO: U4-5

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UTILITY LEGEND

---	F (UG)	---	EXISTING FIBER OPTIC
---	F (UG)	---	PROPOSED FIBER OPTIC



FIBER OPTIC UTILITY RELOCATION PLAN

MALLORY LANE / LIBERTY PIKE
FRANKLIN, TENNESSEE

DATE: _____
DESIGNED BY: _____
DRAWN BY: _____
SUPERVISED BY: _____
CHECKED BY: _____

YEAR: 2023

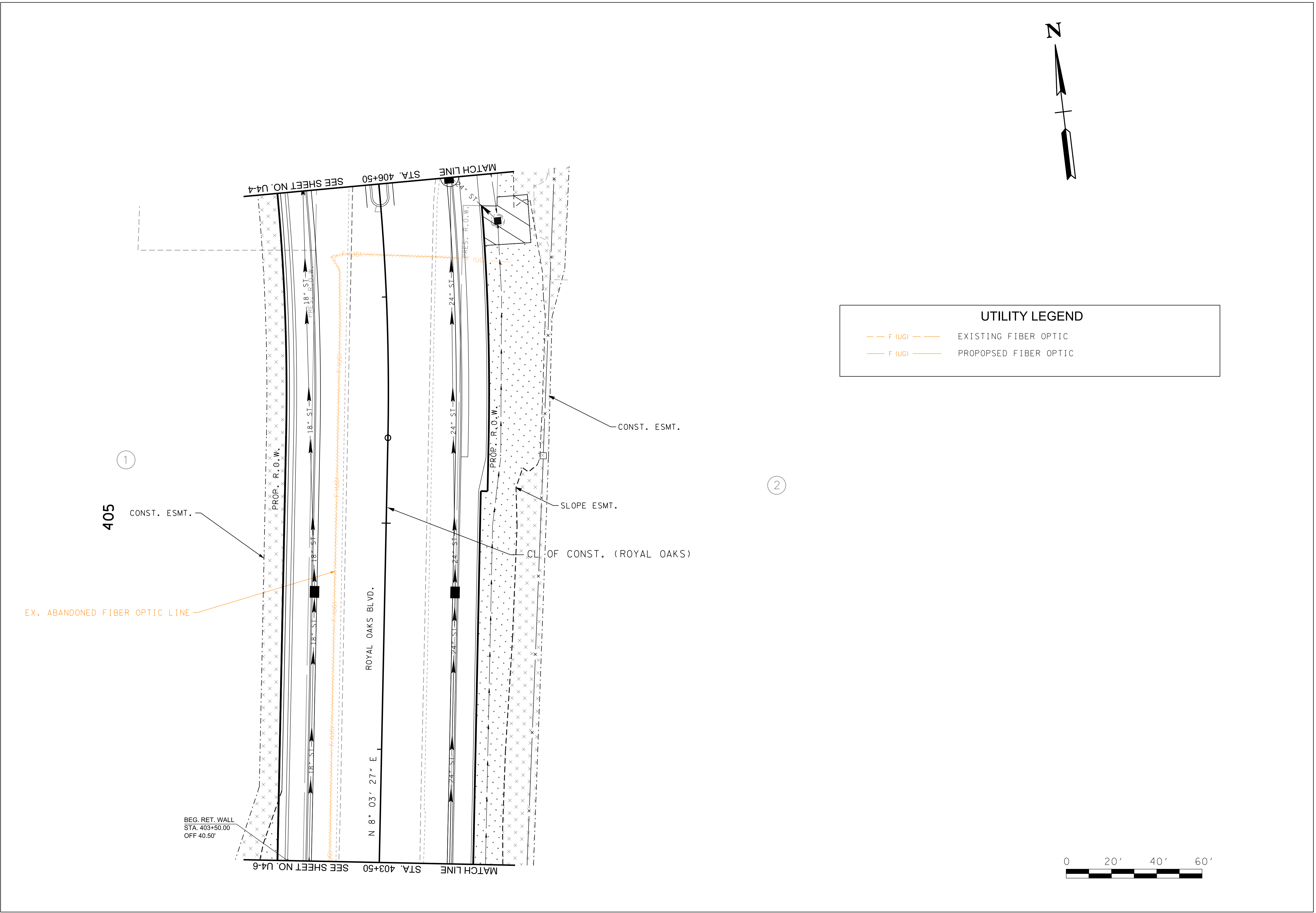
SHEET NO: U4-6

Volkert

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SUITE 230-1, BRENTWOOD, TN 37027
PHONE: (615) 656-1845 FAX: (615) 656-1870

REVISIONS	
NO	DATE BY DESCRIPTION

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1

405

CONST. ESMT.

EX. ABANDONED FIBER OPTIC LINE

BEG. RET. WALL
STA. 403+50.00
OFF 40.50'

ROYAL OAKS BLVD.

N 8° 03' 27" E

CONST. ESMT.

SLOPE ESMT.

CL. OF CONST. (ROYAL OAKS)

MATCH LINE

STA. 403+50

SEE SHEET NO. U4-6

MATCH LINE

STA. 406+50

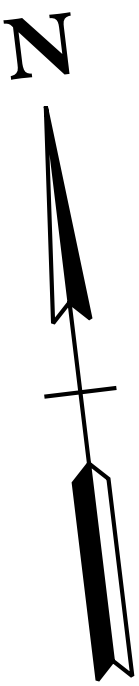
SEE SHEET NO. U4-4

F (UG)

EXISTING FIBER OPTIC

F (UG)

PROPOSED FIBER OPTIC



DATE: _____

DESIGNED BY: _____

DRAWN BY: _____

SUPERVISED BY: _____

CHECKED BY: _____

YEAR: 2023

SHEET NO: U4-7

FIBER OPTIC UTILITY RELOCATION PLAN

MALLORY LANE / LIBERTY PIKE

FRANKLIN, TENNESSEE

REVISIONS

NO	DATE	BY	DESCRIPTION

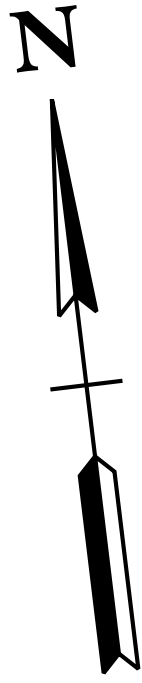
Volkert

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SUITE 230-1, BRENTWOOD, TN 37027

PHONE: (615) 656-1845 FAX: (615) 656-1870

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SUITE 230-1, BRENTWOOD, TN 37027
PHONE: (615) 656-1845 FAX: (615) 656-1870

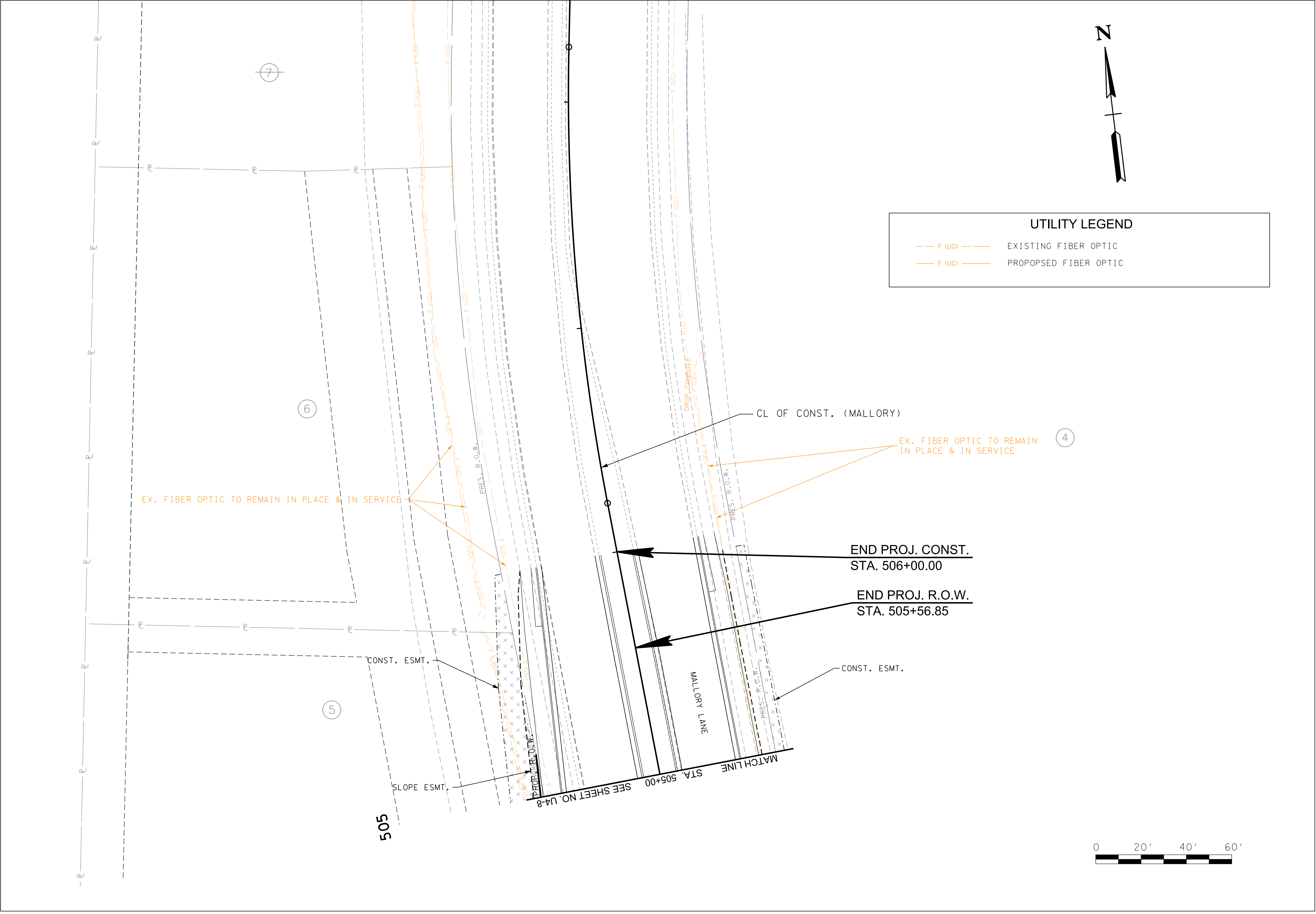
FIBER OPTIC UTILITY RELOCATION PLAN

MALLORY LANE / LIBERTY PIKE
FRANKLIN, TENNESSEE

DATE: _____
DESIGNED BY: _____
DRAWN BY: _____
SUPERVISED BY: _____
CHECKED BY: _____

YEAR: 2023

SHEET NO:U4-8



UTILITY LEGEND

F (UG)

F (UG)

EXISTING FIBER OPTIC

PROPOSED FIBER OPTIC

REVISIONS		DESCRIPTION	
NO	DATE	BY	

Volkert

BRENTWOOD COMMONS, 750 OLD HICKORY BLVD.
SUITE 230-1, BRENTWOOD, TN 37027
PHONE: (615) 656-1845 FAX: (615) 656-1870

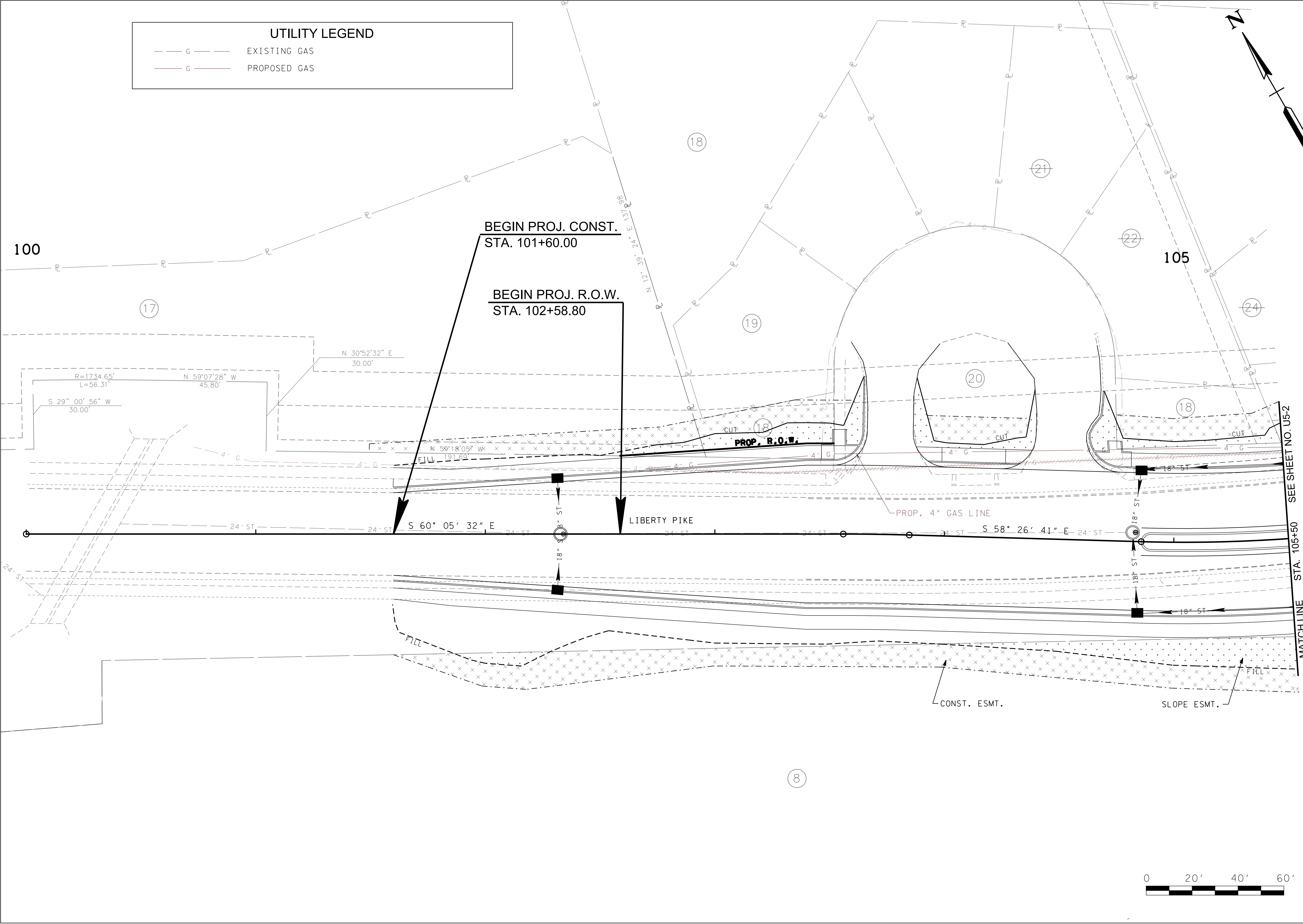
FIBER OPTIC UTILITY RELOCATION PLAN

MALLORY LANE / LIBERTY PIKE
FRANKLIN, TENNESSEE

DATE: _____
DESIGNED BY: _____
DRAWN BY: _____
SUPERVISED BY: _____
CHECKED BY: _____

YEAR: 2023

SHEET NO:U4-9



UTILITY LEGEND			
---	G	---	EXISTING GAS
---	G	---	PROPOSED GAS

REVISIONS		DESCRIPTION	
NO	DATE	BY	

Volkert

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SUITE 230-1, BRENTWOOD, TN 37027
PHONE: (615) 656-1845 FAX: (615) 656-1870

GAS UTILITY RELOCATION PLAN

MALLORY LANE / LIBERTY PIKE
FRANKLIN, TENNESSEE

DATE: _____

DESIGNED BY: _____

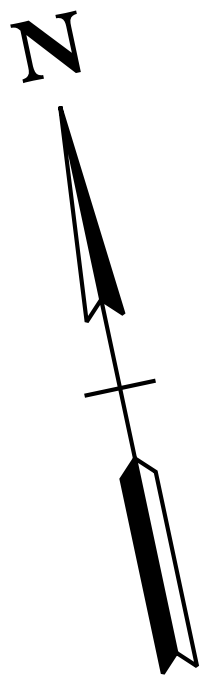
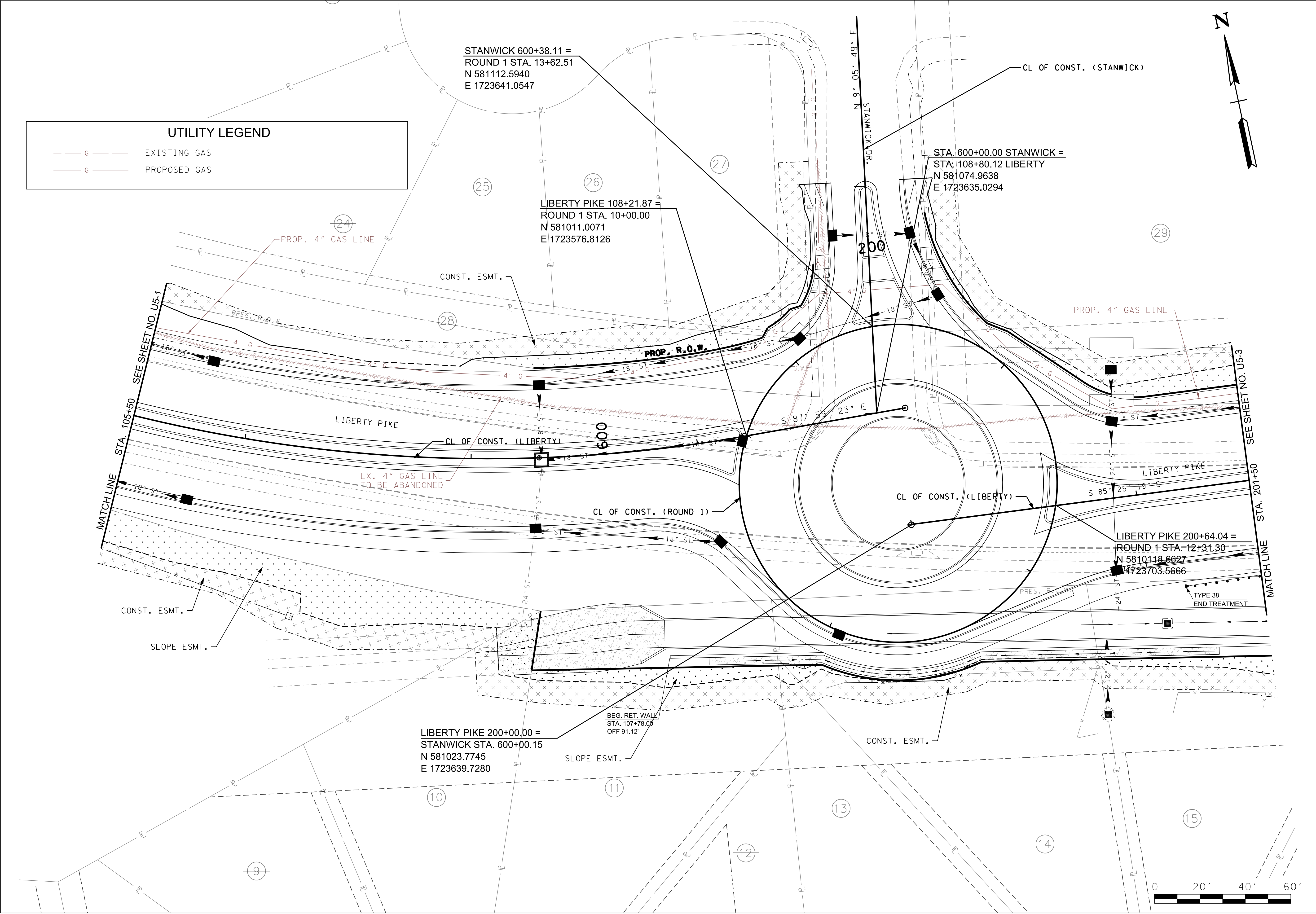
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SUPERVISED BY: _____

CHECKED BY: _____

YEAR: 2023

SHEET NO: U5-1



REVISIONS		DESCRIPTION
NO.	DATE	BY

Volkert

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GAS UTILITY RELOCATION PLAN

MALLORY LANE / LIBERTY PIKE
FRANKLIN, TENNESSEE

DATE: _____

DESIGNED BY: _____

DRAWN BY: _____

SUPERVISED BY: _____

CHECKED BY: _____

YEAR: 2023

SHEET NO: U5-2

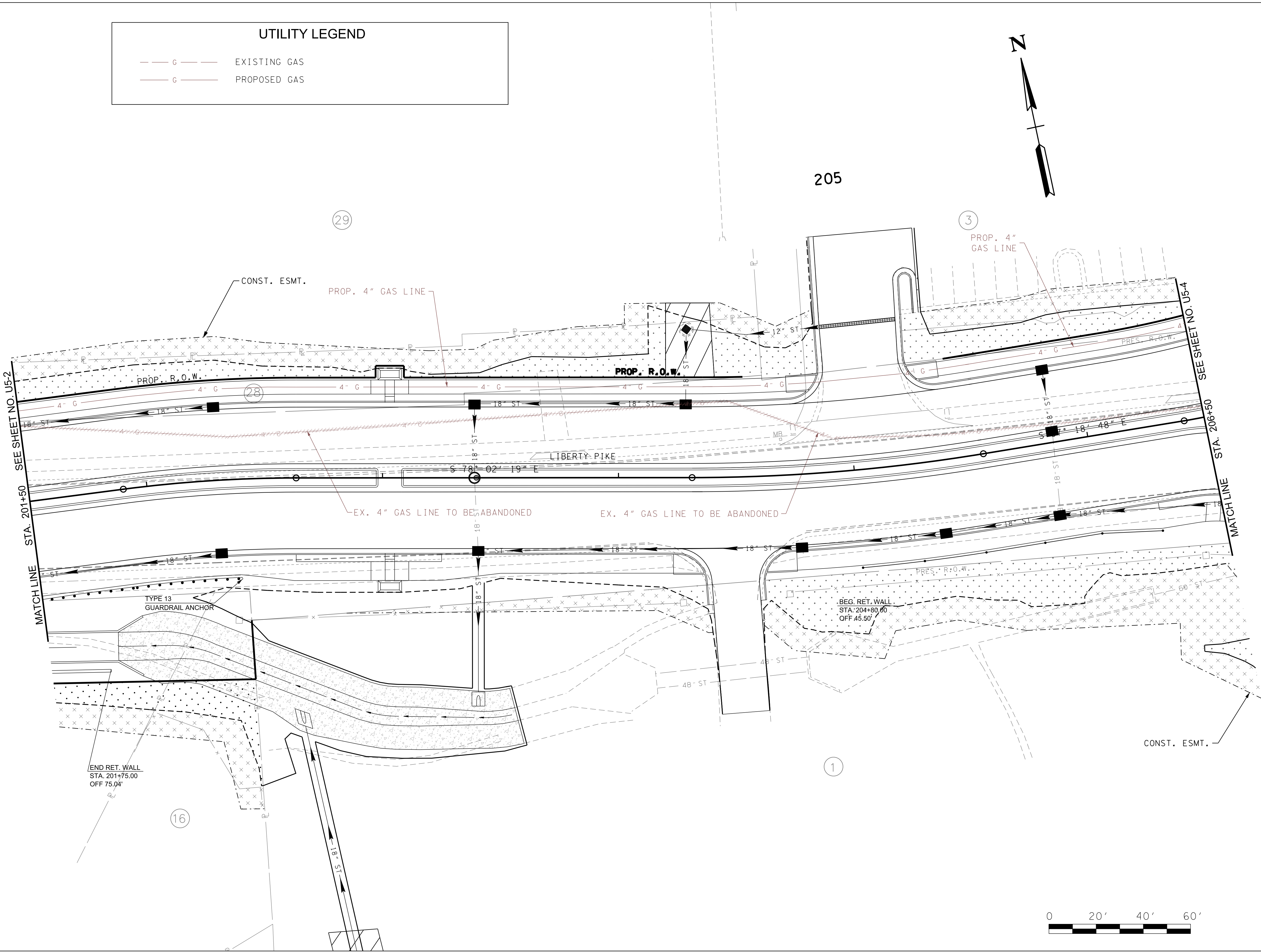
UTILITY LEGEND

G

EXISTING GAS

G

PROPOSED GAS



REVISIONS		DESCRIPTION	
NO	DATE	BY	

Volkert

BRENTWOOD COMMONS, 750 OLD HICKORY BLVD.
SUITE 230-1, BRENTWOOD, TN 37027
PHONE: (615) 656-1845 FAX: (615) 656-1870

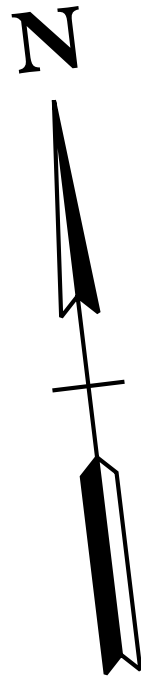
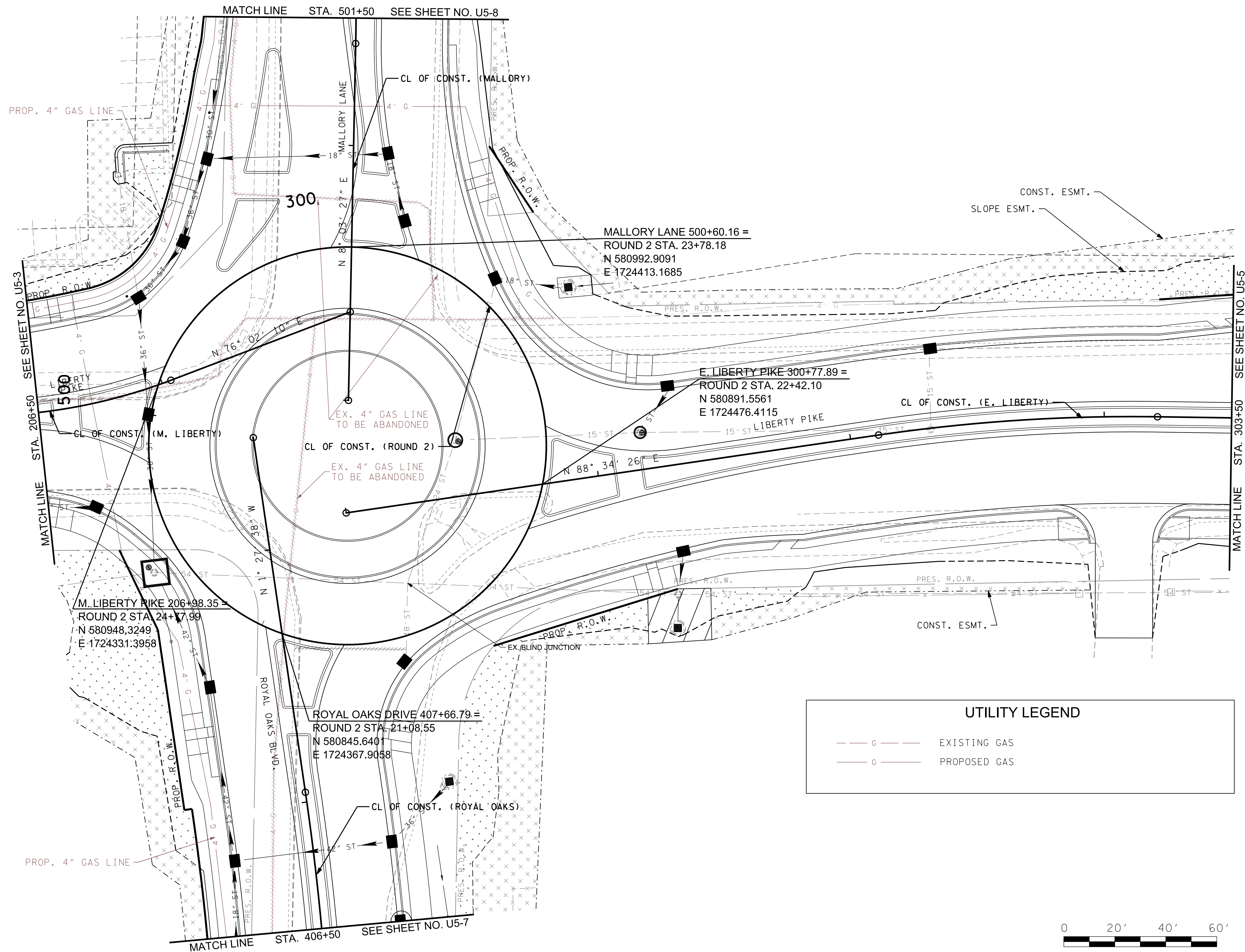
GAS UTILITY RELOCATION PLAN

MALLORY LANE / LIBERTY PIKE
FRANKLIN, TENNESSEE

DATE: _____
DESIGNED BY: _____
DRAWN BY: _____
SUPERVISED BY: _____
CHECKED BY: _____

YEAR: 2023

SHEET NO: U5-3

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VOLKERT

BRENTWOOD COMMONS, 750 OLD HICKORY BLVD.
SUITE 230-1, BRENTWOOD, TN 37027
PHONE: (615) 656-1845 FAX: (615) 656-1870

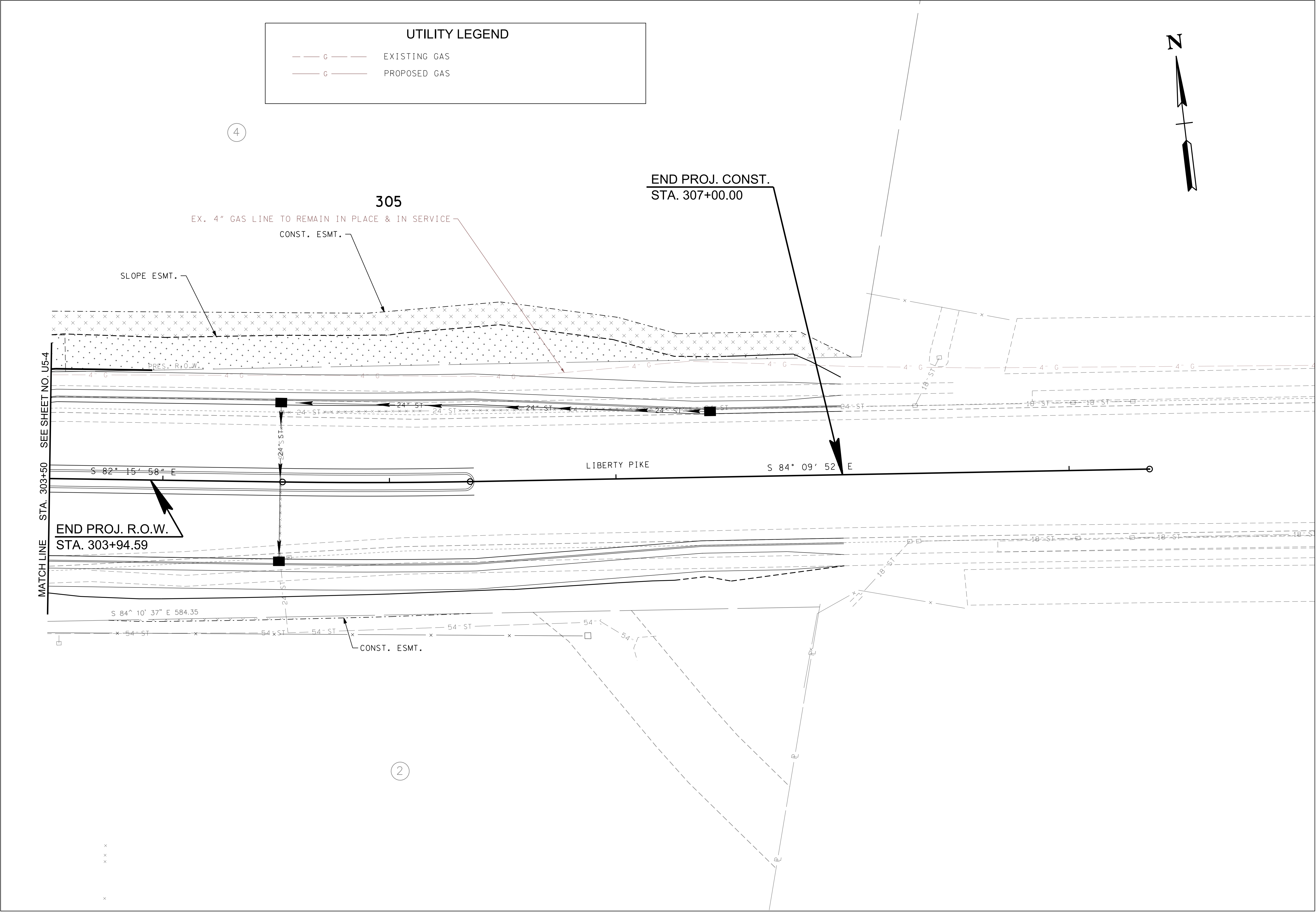
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MALLORY LANE / LIBERTY PIKE
FRANKLIN, TENNESSEE

DATE: _____
DESIGNED BY: _____
DRAWN BY: _____
SUPERVISED BY: _____
CHECKED BY: _____

YEAR: 2023

SHEET NO: U5-4



UTILITY LEGEND

G

EXISTING GAS

G

PROPOSED GAS

REVISIONS		DESCRIPTION	
NO	DATE	BY	

Volkert

BRENTWOOD COMMONS, 750 OLD HICKORY BLVD.
SUITE 230-1, BRENTWOOD, TN 37027
PHONE: (615) 656-1845 FAX: (615) 656-1870

GAS UTILITY RELOCATION PLAN

MALLORY LANE / LIBERTY PIKE
FRANKLIN, TENNESSEE

DATE: _____

DESIGNED BY: _____

DRAWN BY: _____

SUPERVISED BY: _____

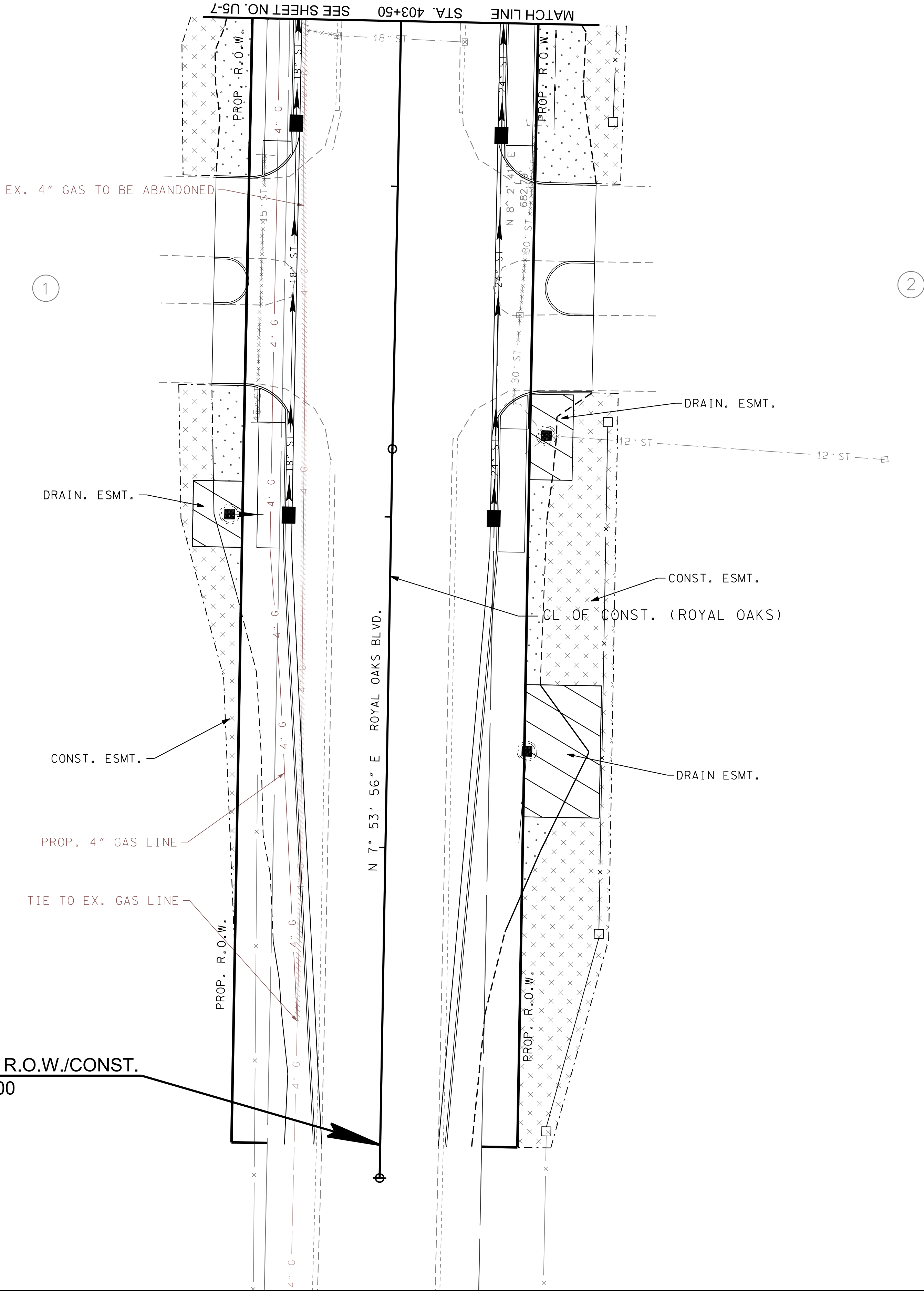
CHECKED BY: _____

YEAR: 2023

SHEET NO: U5-5

BEGIN PROJ. R.O.W./CONST.
STA. 400+10.00

400



UTILITY LEGEND

— G —

EXISTING GAS

— G —

PROPOSED GAS



DATE: _____
DESIGNED BY: _____
DRAWN BY: _____
SUPERVISED BY: _____
CHECKED BY: _____

YEAR: 2023

SHEET NO: U5-6

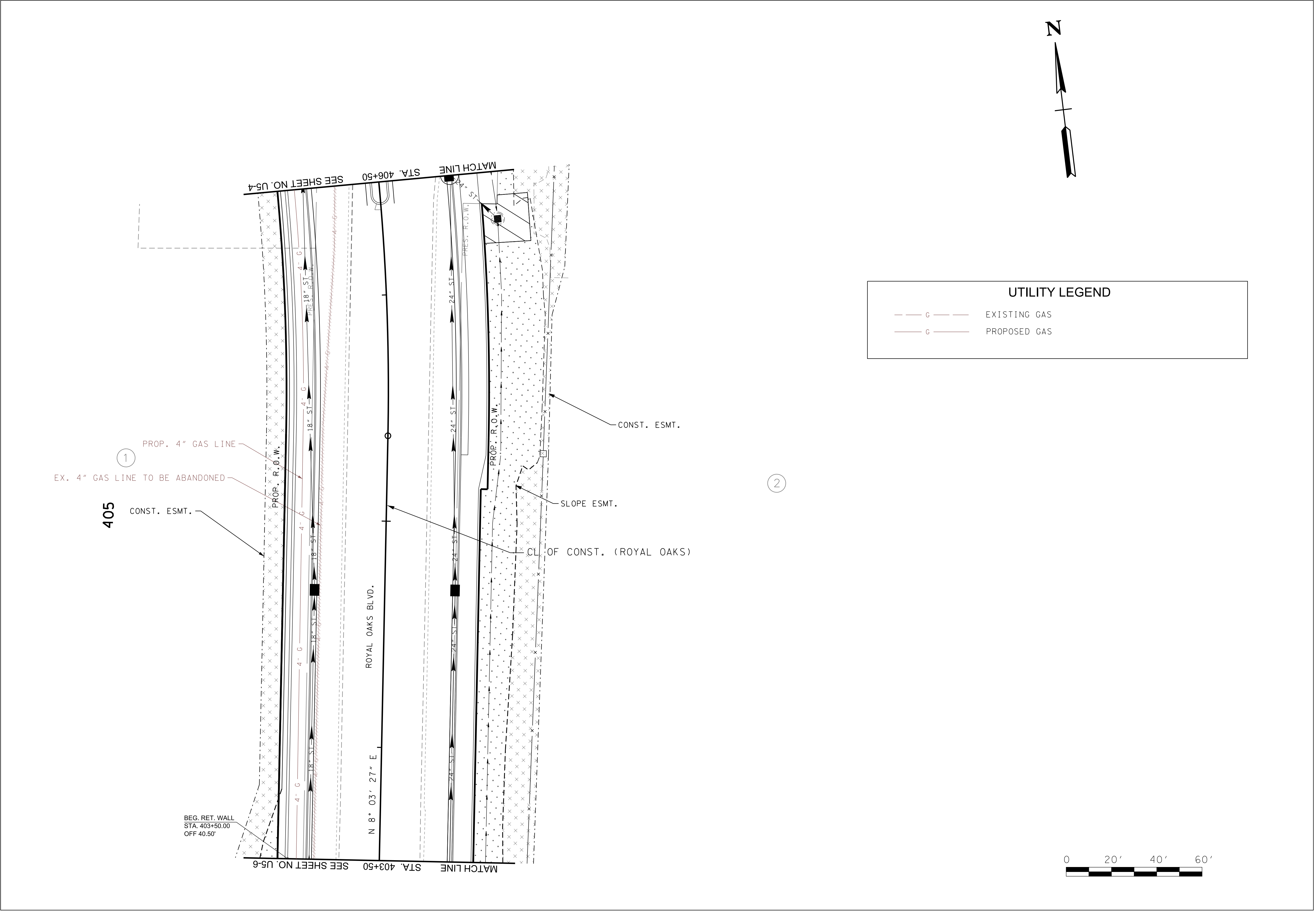
GAS UTILITY RELOCATION PLAN

MALLORY LANE / LIBERTY PIKE
FRANKLIN, TENNESSEE

Volkert

BRENTWOOD COMMONS, 750 OLD HICKORY BLVD.
SUITE 230-1, BRENTWOOD, TN 37027
PHONE: (615) 656-1845 FAX: (615) 656-1870

REVISIONS		DESCRIPTION	
NO	DATE	BY	



REVISIONS

NO	DATE	BY	DESCRIPTION

Volkert

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SUITE 230-1, BRENTWOOD, TN 37027
PHONE: (615) 656-1845 FAX: (615) 656-1870

GAS UTILITY RELOCATION PLAN

MALLORY LANE / LIBERTY PIKE
FRANKLIN, TENNESSEE

DATE: _____

DESIGNED BY: _____

DRAWN BY: _____

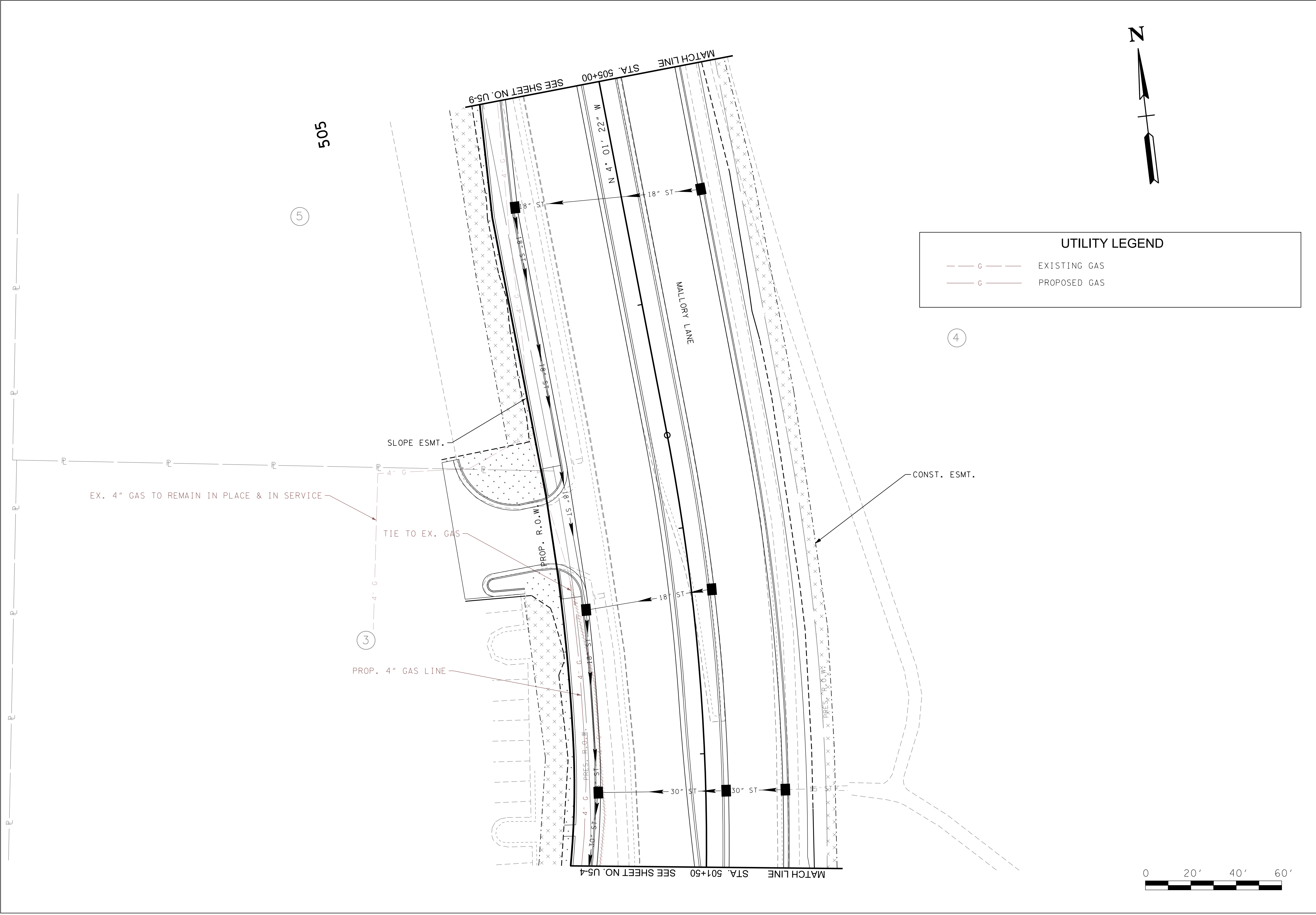
SUPERVISED BY: _____

CHECKED BY: _____

YEAR: 2023

SHEET NO: U5-7

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NO

DATE

BY

DESCRIPTION

Volkert

BRENTWOOD COMMONS, 750 OLD HICKORY BLVD.
SUITE 230-1, BRENTWOOD, TN 37027
PHONE: (615) 656-1845 FAX: (615) 656-1870

GAS UTILITY RELOCATION PLAN

MALLORY LANE / LIBERTY PIKE
FRANKLIN, TENNESSEE

DATE: _____

DESIGNED BY: _____

DRAWN BY: _____

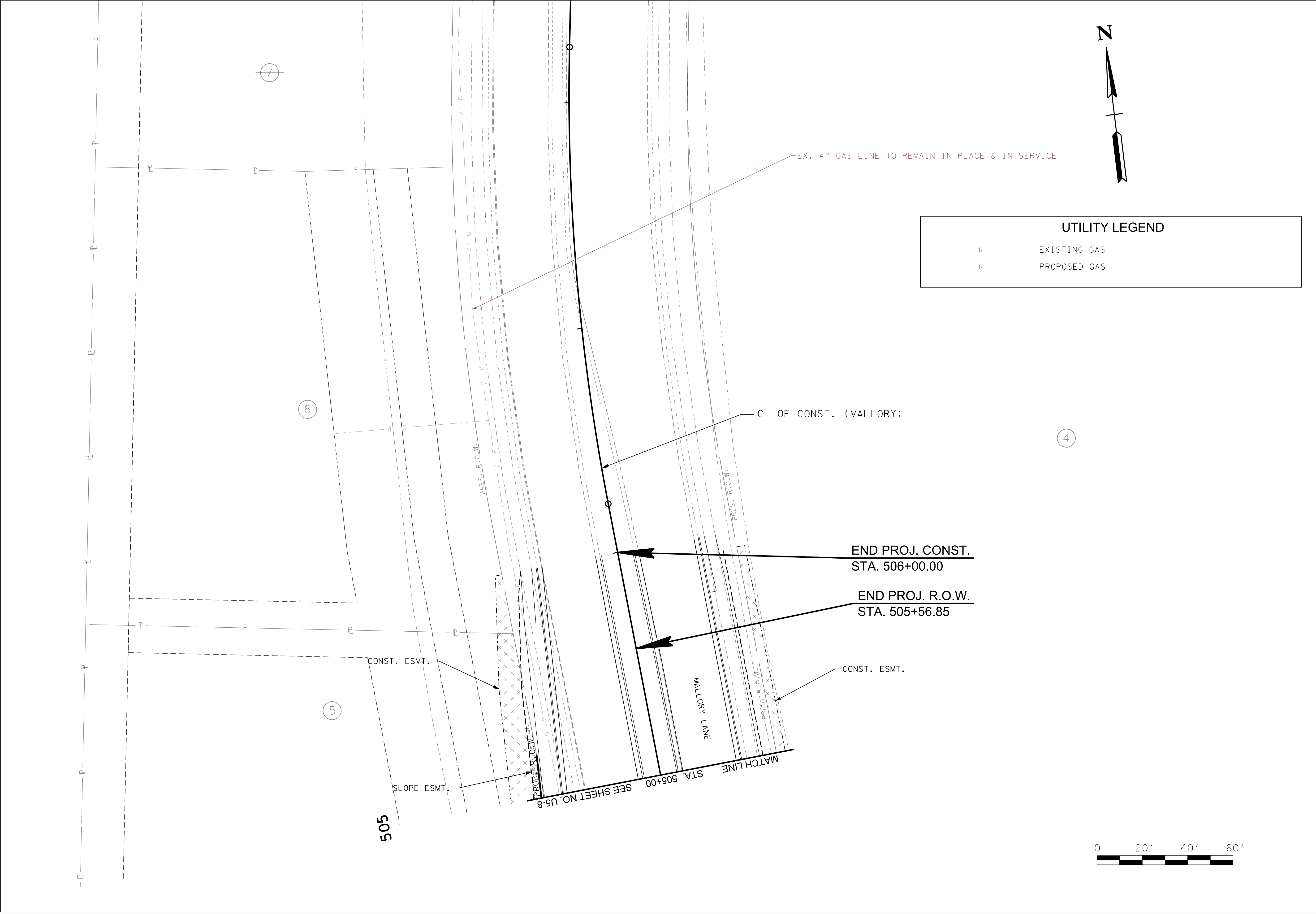
SUPERVISED BY: _____

CHECKED BY: _____

YEAR: 2023

SHEET NO: U5-8

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REVISIONS		DESCRIPTION	
NO	DATE	BY	

Volkert

BRENTWOOD COMMONS, 750 OLD HICKORY BLVD.
SUITE 230-1, BRENTWOOD, TN 37027
PHONE: (615) 656-1845 FAX: (615) 656-1870

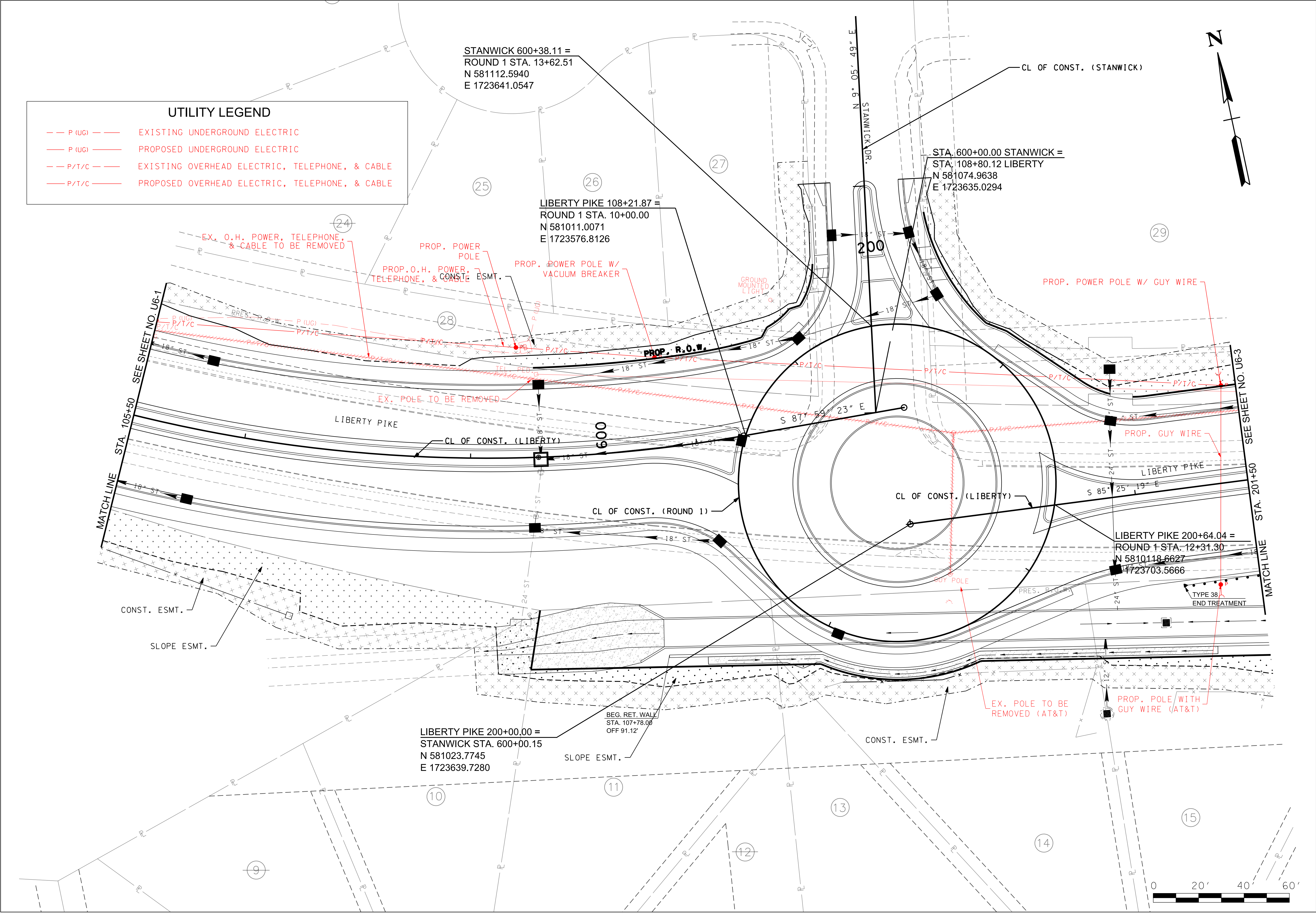
GAS UTILITY RELOCATION PLAN

MALLORY LANE / LIBERTY PIKE
FRANKLIN, TENNESSEE

DATE: _____
DESIGNED BY: _____
DRAWN BY: _____
SUPERVISED BY: _____
CHECKED BY: _____

YEAR: 2023

SHEET NO: U5-9



REVISIONS		DESCRIPTION	
NO	DATE	BY	

Volkert

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SUITE 230-1, BRENTWOOD, TN 37027
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ELECTRIC, TELEPHONE, AND CABLE
UTILITY RELOCATION PLAN

MALLORY LANE / LIBERTY PIKE
FRANKLIN, TENNESSEE

DATE: _____

DESIGNED BY: _____

DRAWN BY: _____

SUPERVISED BY: _____

CHECKED BY: _____

YEAR: 2023

SHEET NO:U6-2

UTILITY LEGEND

P (UG)

EXISTING UNDERGROUND ELECTRIC

P (UG)

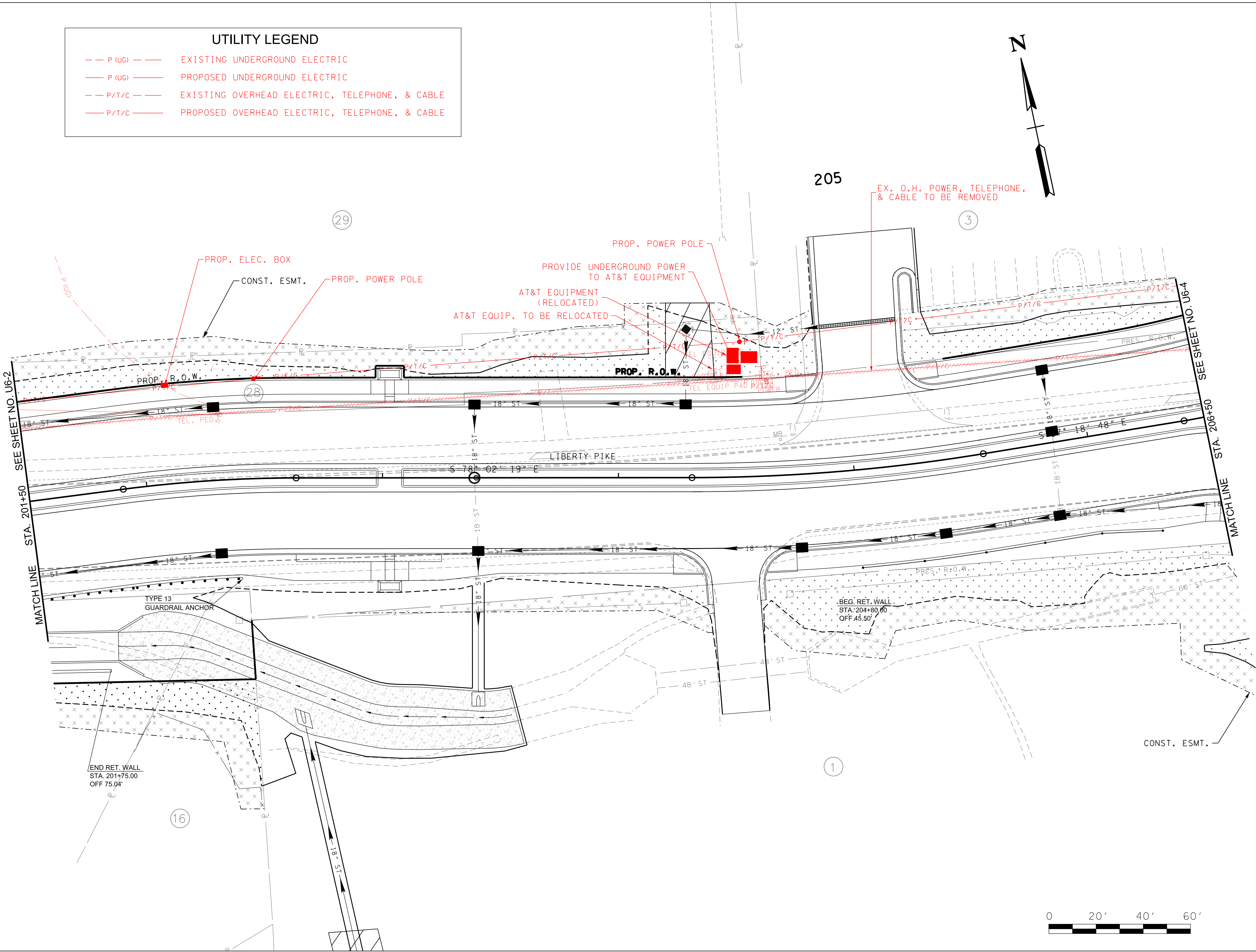
PROPOSED UNDERGROUND ELECTRIC

P/T/C

EXISTING OVERHEAD ELECTRIC, TELEPHONE, & CABLE

P/T/C

PROPOSED OVERHEAD ELECTRIC, TELEPHONE, & CABLE



REVISIONS		DESCRIPTION	
NO	DATE	BY	

ELECTRIC, TELEPHONE, AND CABLE
UTILITY RELOCATION PLAN

MALLORY LANE / LIBERTY PIKE
FRANKLIN, TENNESSEE

DATE: _____

DESIGNED BY: _____

DRAWN BY: _____

SUPERVISED BY: _____

CHECKED BY: _____

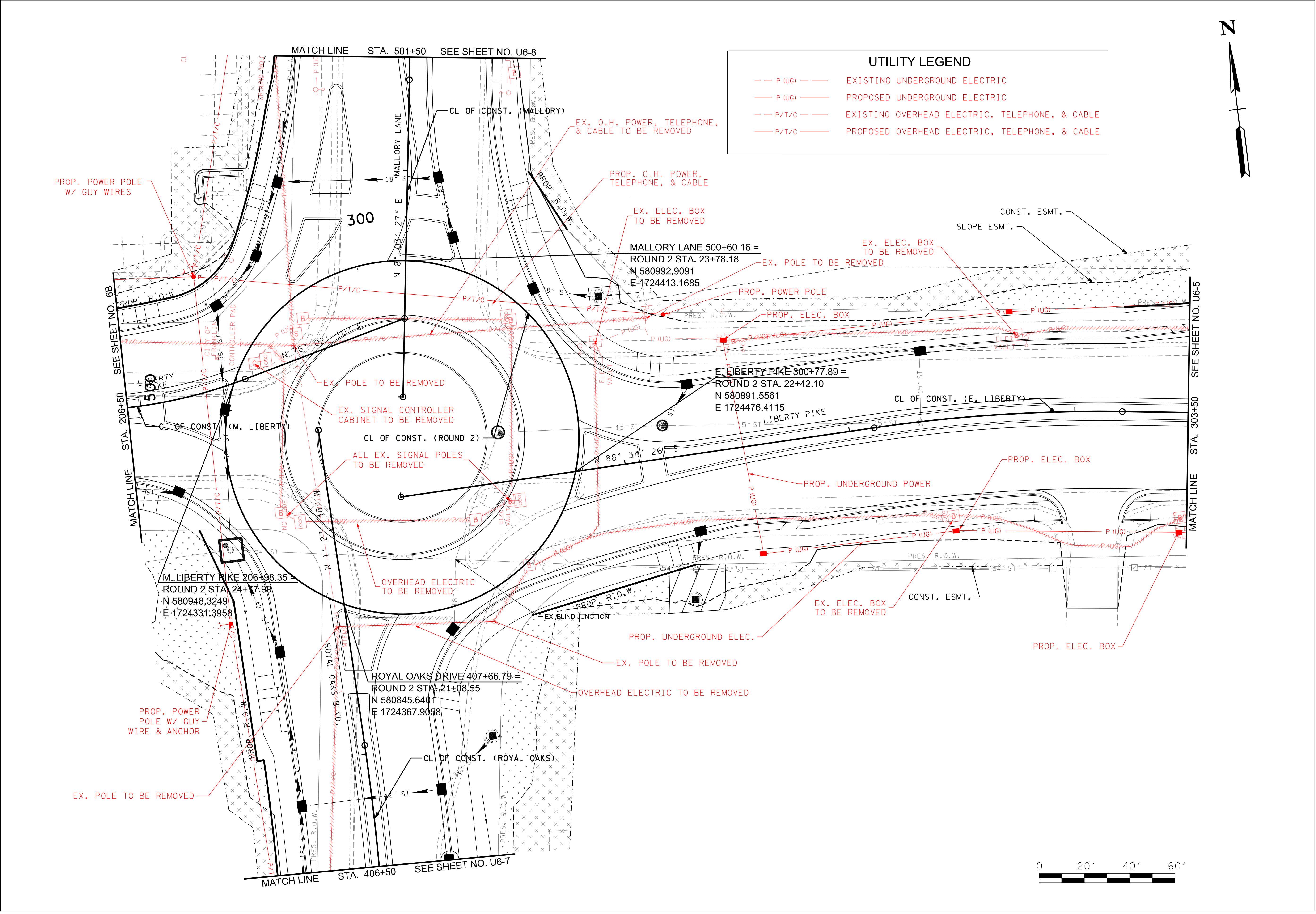
YEAR: 2023

SHEET NO: U6-3

Volkert

BRENTWOOD COMMONS, 750 OLD HICKORY BLVD.
SUITE 230-1, BRENTWOOD, TN 37027
PHONE: (615) 656-1845 FAX: (615) 656-1870

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UTILITY LEGEND

---	P (UG)	---	EXISTING UNDERGROUND ELECTRIC
---	P (UG)	---	PROPOSED UNDERGROUND ELECTRIC
---	P/T/C	---	EXISTING OVERHEAD ELECTRIC, TELEPHONE, & CABLE
---	P/T/C	---	PROPOSED OVERHEAD ELECTRIC, TELEPHONE, & CABLE

REVISIONS		DESCRIPTION	
NO	DATE	BY	

Volkert

BRENTWOOD COMMONS, 750 OLD HICKORY BLVD.
SUITE 230-1, BRENTWOOD, TN 37027
PHONE: (615) 656-1845 FAX: (615) 656-1870

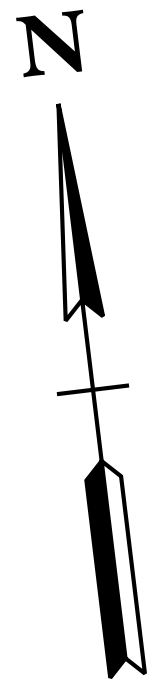
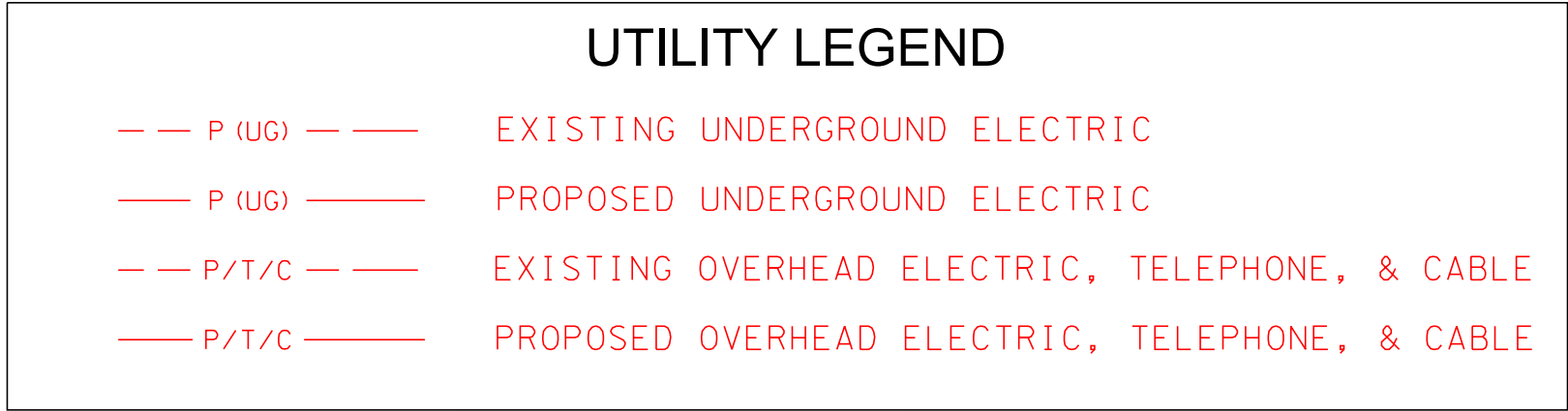
ELECTRIC, TELEPHONE, AND CABLE
UTILITY RELOCATION PLAN

MALLERY LANE / LIBERTY PIKE
FRANKLIN, TENNESSEE

DATE: _____
DESIGNED BY: _____
DRAWN BY: _____
SUPERVISED BY: _____
CHECKED BY: _____

YEAR: 2023

SHEET NO: U6-4

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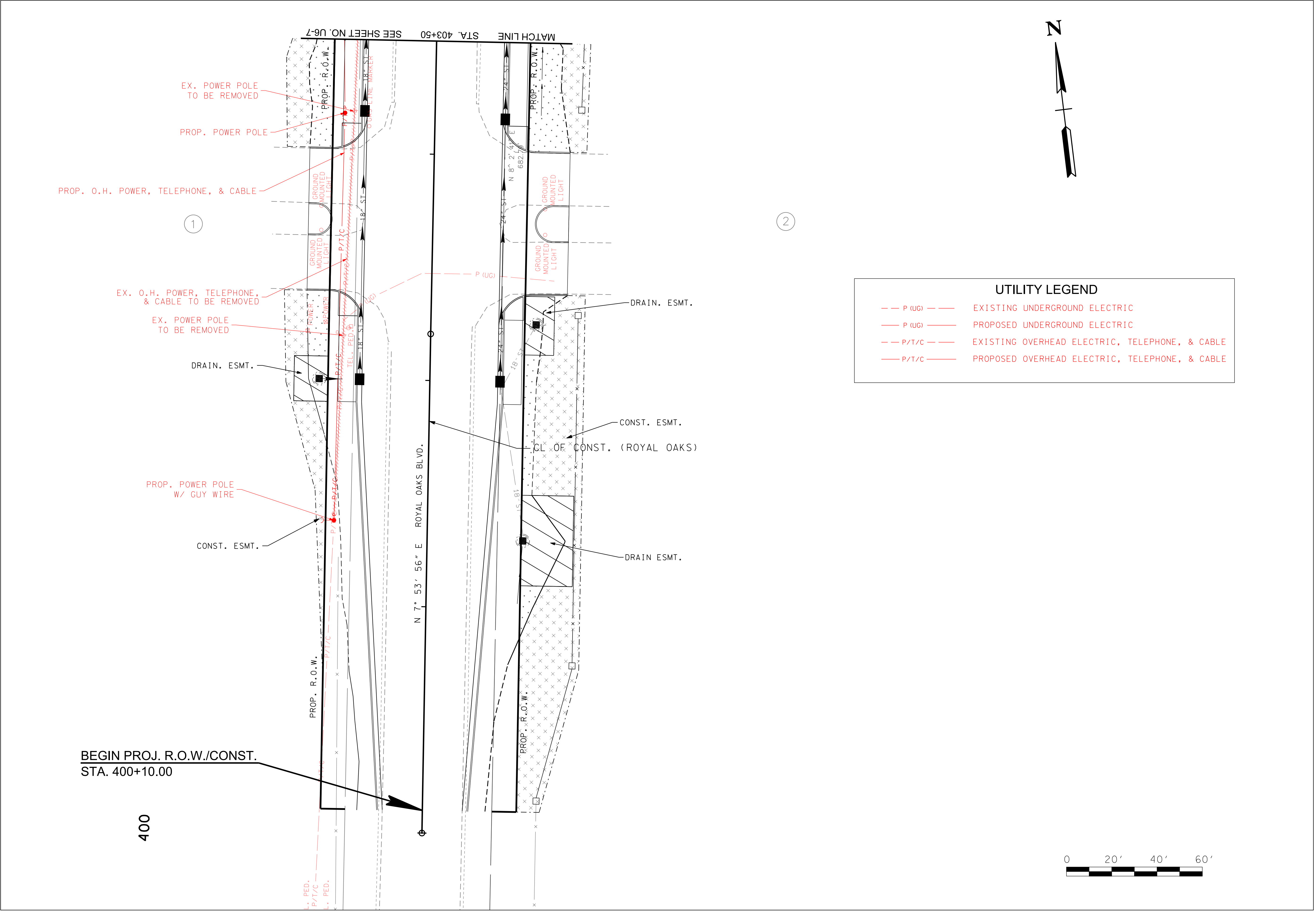
VOLKERT

ELECTRIC, TELEPHONE, AND CABLE
UTILITY RELOCATION PLAN

MALLORY LANE / LIBERTY PIKE
FRANKLIN, TENNESSEE

DATE : _____
DESIGNED BY : _____
DRAWN BY : _____
SUPERVISED BY : _____
CHECKED BY : _____

YEAR : 2023
SHEET NO:U-6-5



UTILITY LEGEND

---	P (UG)	---	EXISTING UNDERGROUND ELECTRIC
---	P (UG)	---	PROPOSED UNDERGROUND ELECTRIC
---	P/T/C	---	EXISTING OVERHEAD ELECTRIC, TELEPHONE, & CABLE
---	P/T/C	---	PROPOSED OVERHEAD ELECTRIC, TELEPHONE, & CABLE

REVISIONS	
NO	DATE

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SUITE 230-1, BRENTWOOD, TN 37027
PHONE: (615) 656-1845 FAX: (615) 656-1870

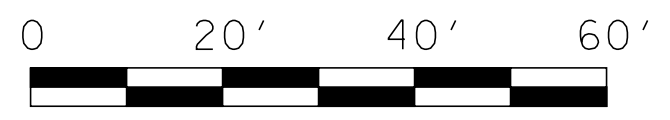
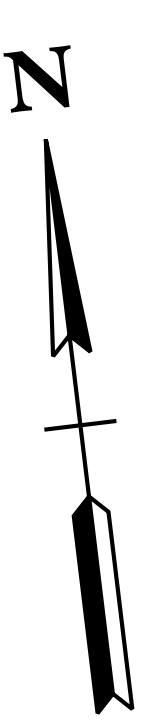
ELECTRIC, TELEPHONE, AND CABLE
UTILITY RELOCATION PLAN

MALLORY LANE / LIBERTY PIKE
FRANKLIN, TENNESSEE

DATE: _____
DESIGNED BY: _____
DRAWN BY: _____
SUPERVISED BY: _____
CHECKED BY: _____

YEAR: 2023

SHEET NO: U6-6

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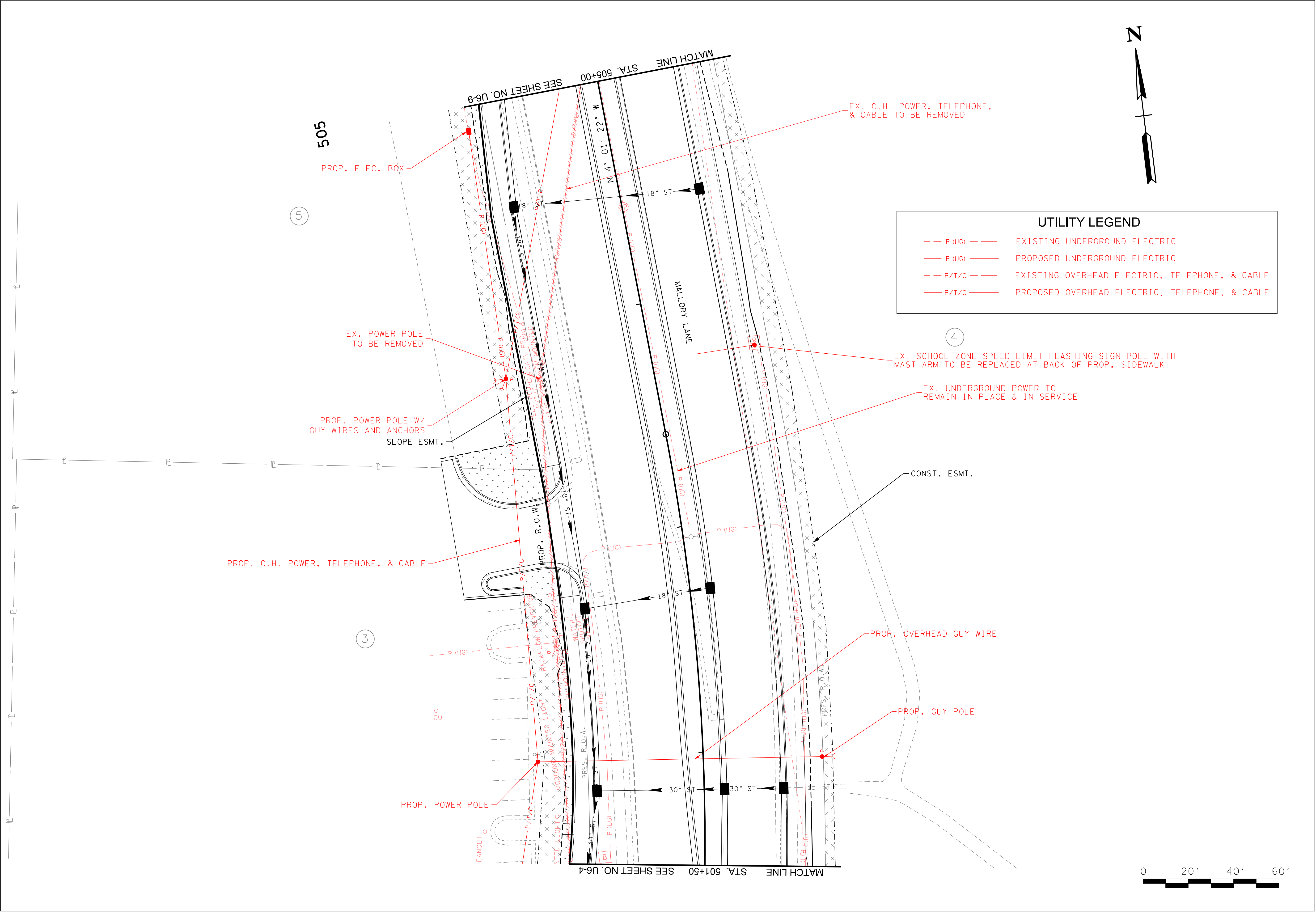
BRENTWOOD COMMONS, 750 OLD HICKORY BLVD.
SUITE 230-1, BRENTWOOD, TN 37027
PHONE: (615) 656-1845 FAX: (615) 656-

ELECTRIC, TELEPHONE, AND CABLE
UTILITY RELOCATION PLAN

MALLORY LANE / LIBERTY PIKE
FRANKLIN, TENNESSEE

DATE: _____
DESIGNED BY: _____
DRAWN BY: _____
SUPERVISED BY: _____
CHECKED BY: _____

YEAR:	2023
SHEET NO:	U6-7



REVISIONS

NO	DATE	BY	DESCRIPTION

Volkert

BRENTWOOD COMMONS, 750 OLD HICKORY BLVD.
SUITE 230-1, BRENTWOOD, TN 37027
PHONE: (615) 656-1845 FAX: (615) 656-1870

ELECTRIC, TELEPHONE, AND CABLE
UTILITY RELOCATION PLAN

MALLORY LANE / LIBERTY PIKE
FRANKLIN, TENNESSEE

DATE: _____

DESIGNED BY: _____

DRAWN BY: _____

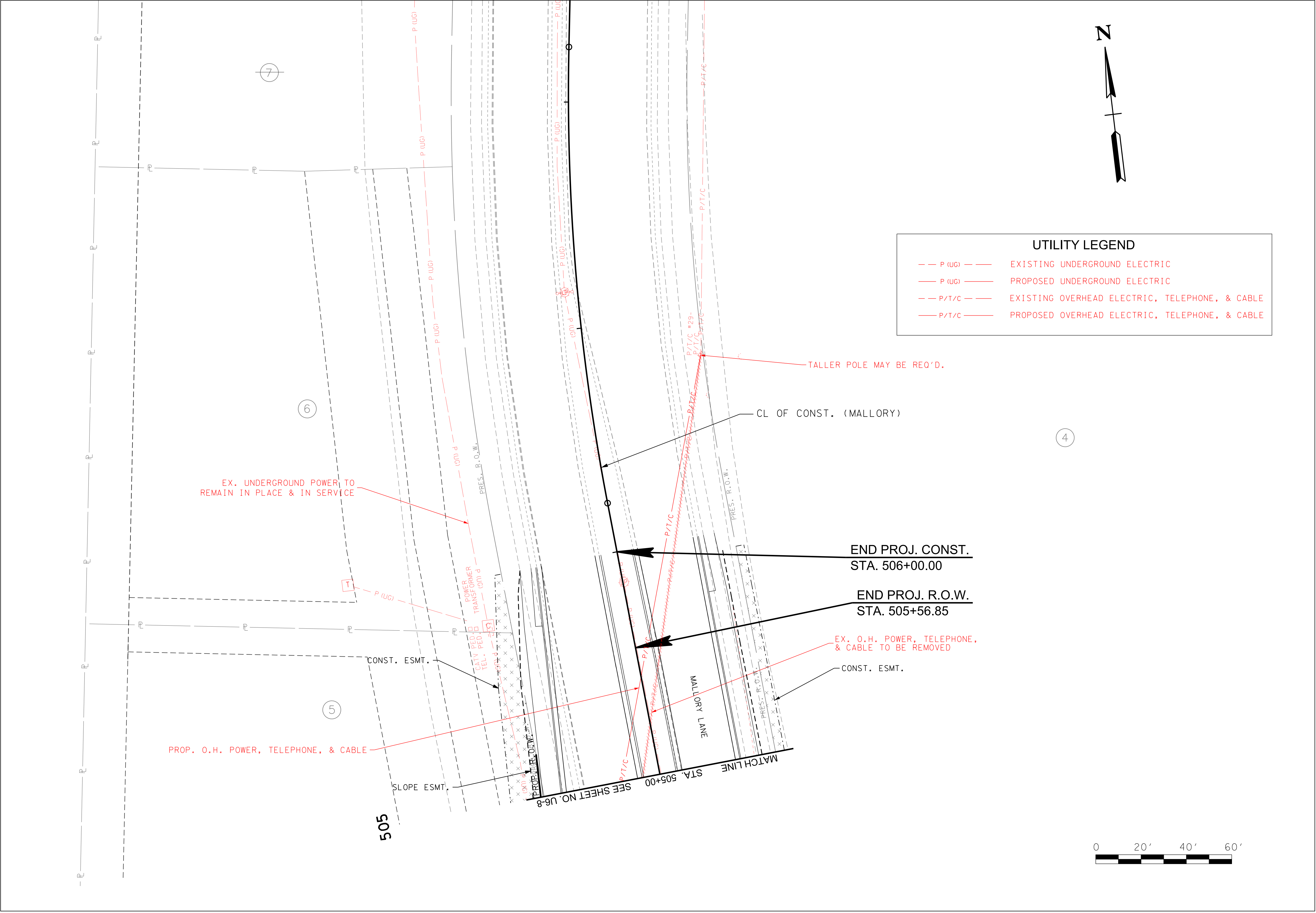
SUPERVISED BY: _____

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YEAR: 2023

SHEET NO:U6-8

Page 451 of 634



REVISIONS		DESCRIPTION	
NO	DATE	BY	

Volkert

BRENTWOOD COMMONS, 750 OLD HICKORY BLVD.
SUITE 230-1, BRENTWOOD, TN 37027
PHONE: (615) 656-1845 FAX: (615) 656-1870

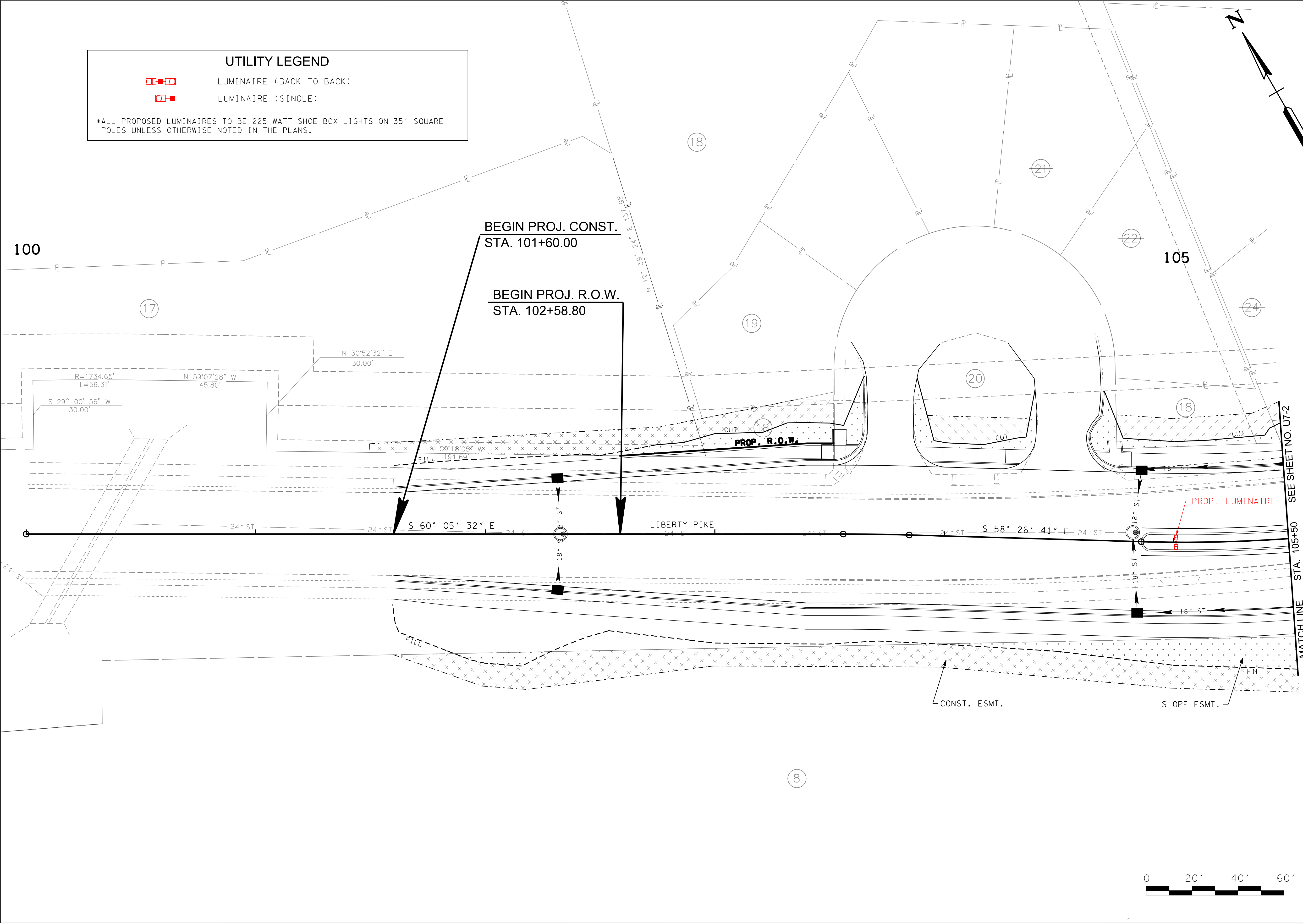
ELECTRIC, TELEPHONE, AND CABLE
UTILITY RELOCATION PLAN

MALLORY LANE / LIBERTY PIKE
FRANKLIN, TENNESSEE

DATE: _____
DESIGNED BY: _____
DRAWN BY: _____
SUPERVISED BY: _____
CHECKED BY: _____

YEAR: 2023

SHEET NO: U6-9



REVISIONS		NO.	DATE	BY	DESCRIPTION

Volkert

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PHONE: (615) 656-1845 FAX: (615) 656-1870

LIGHTING PLAN

MALLORY LANE / LIBERTY PIKE
FRANKLIN, TENNESSEE

DATE: _____
DESIGNED BY: _____
DRAWN BY: _____
SUPERVISED BY: _____
CHECKED BY: _____

YEAR: 2023

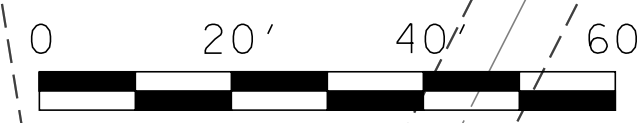
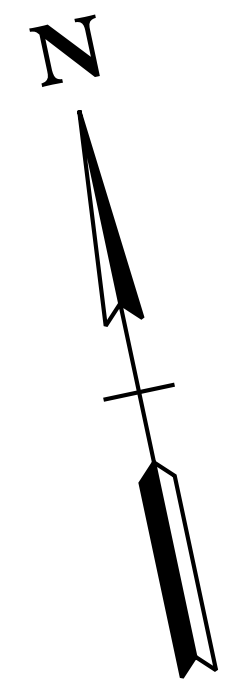
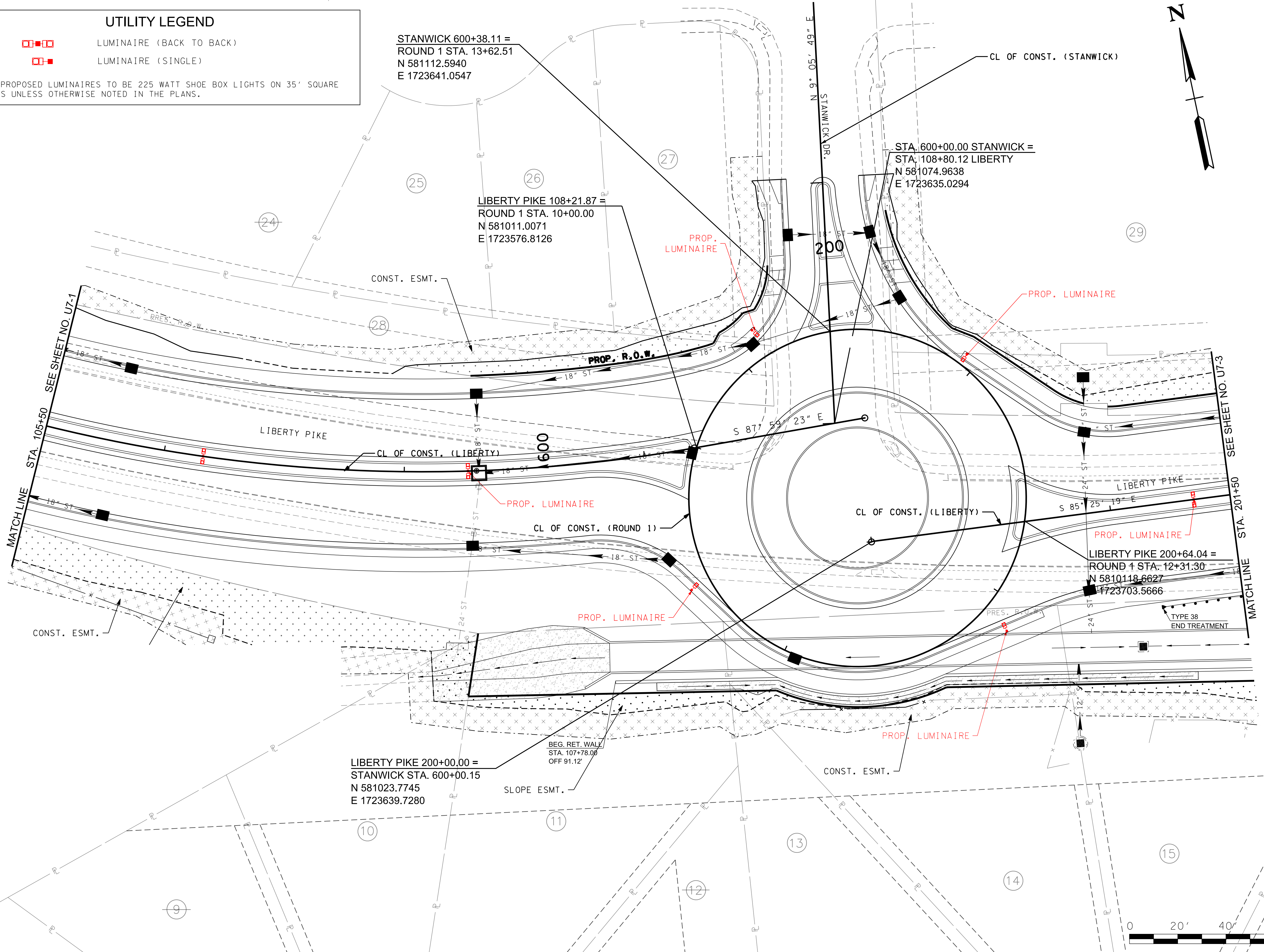
SHEET NO: U7-1

UTILITY LEGEND

LUMINAIRE (BACK TO BACK)

LUMINAIRE (SINGLE)

*ALL PROPOSED LUMINAIRES TO BE 225 WATT SHOE BOX LIGHTS ON 35' SQUARE POLES UNLESS OTHERWISE NOTED IN THE PLANS.



REVISIONS		DESCRIPTION
NO	DATE	BY

Volkert

BRENTWOOD COMMONS, 750 OLD HICKORY BLVD.
SUITE 230-1, BRENTWOOD, TN 37027
PHONE: (615) 656-1845 FAX: (615) 656-1870

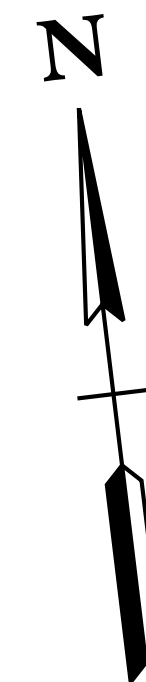
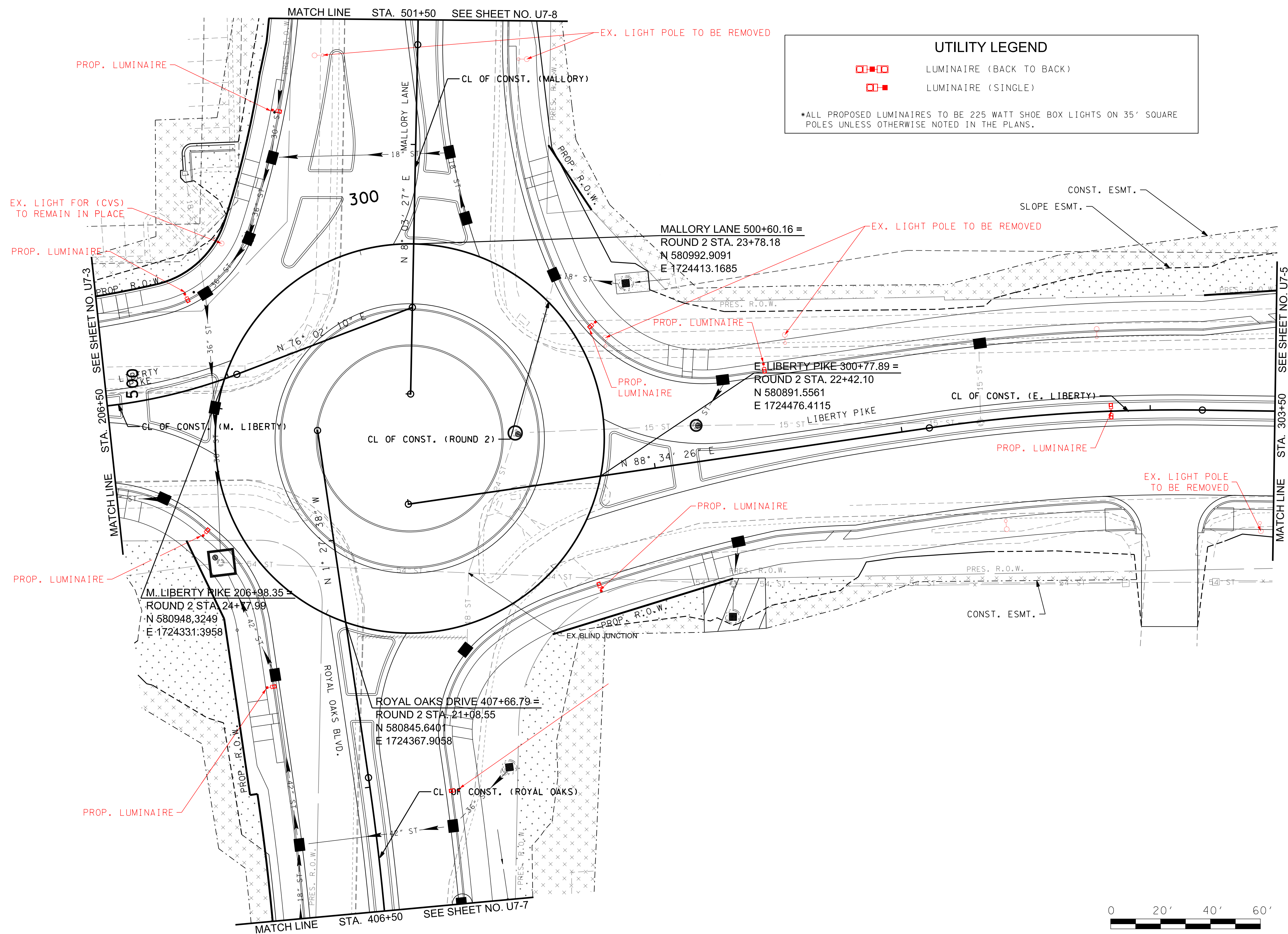
WATER UTILITY RELOCATION PLAN

MALLORY LANE / LIBERTY PIKE
FRANKLIN, TENNESSEE

DATE: _____
DESIGNED BY: _____
DRAWN BY: _____
SUPERVISED BY: _____
CHECKED BY: _____

YEAR: 2023

SHEET NO:U7-2

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BRENTWOOD COMMONS, 750 OLD HICKORY BLVD.
SUITE 230-1, BRENTWOOD, TN 37027
PHONE: (615) 656-1845 FAX: (615) 656-1870

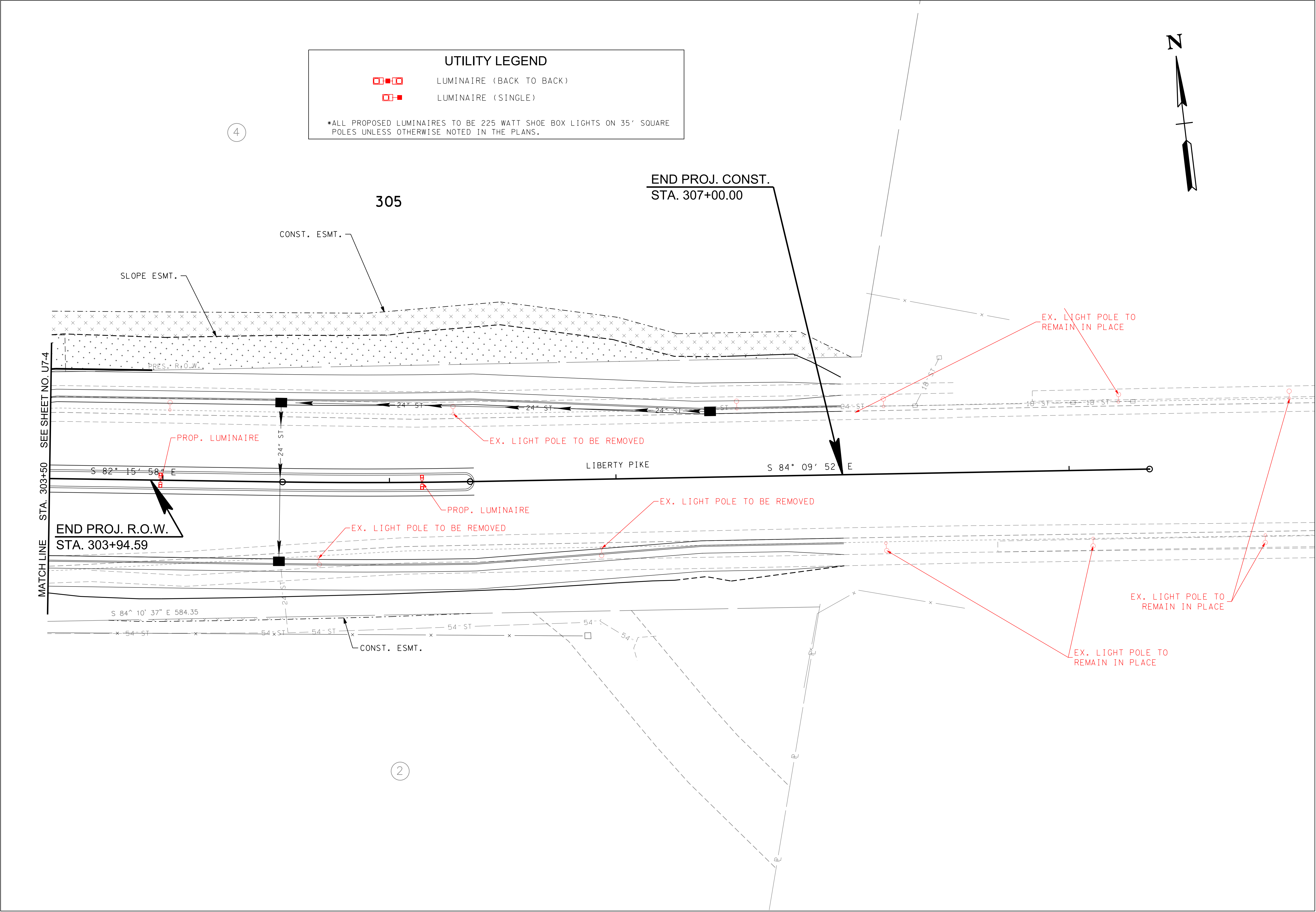
LIGHTING PLANS

MALLORY LANE / LIBERTY PIKE
FRANKLIN, TENNESSEE

DATE: _____
DESIGNED BY: _____
DRAWN BY: _____
SUPERVISED BY: _____
CHECKED BY: _____

YEAR: 2023

SHEET NO:U7-4



UTILITY LEGEND

LUMINAIRE (BACK TO BACK)

LUMINAIRE (SINGLE)

*ALL PROPOSED LUMINAIRES TO BE 225 WATT SHOE BOX LIGHTS ON 35' SQUARE POLES UNLESS OTHERWISE NOTED IN THE PLANS.

REVISIONS		DESCRIPTION	
NO	DATE	BY	

Volkert

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SUITE 230-1, BRENTWOOD, TN 37027
PHONE: (615) 656-1845 FAX: (615) 656-1870

LIGHTING PLANS

MALLORY LANE / LIBERTY PIKE
FRANKLIN, TENNESSEE

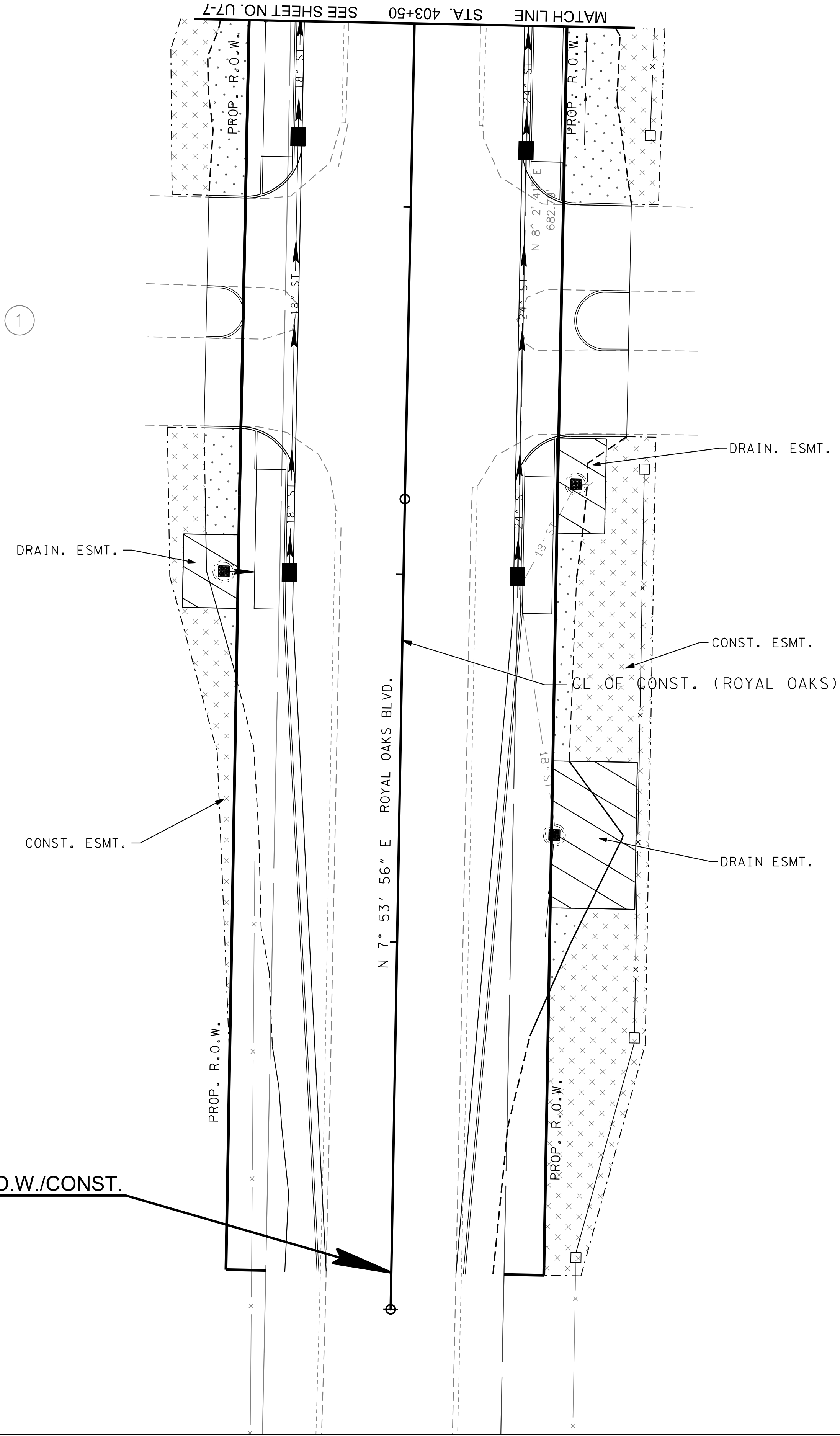
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DESIGNED BY: _____
DRAWN BY: _____
SUPERVISED BY: _____
CHECKED BY: _____

YEAR: 2023

SHEET NO: U7-5

BEGIN PROJ. R.O.W./CONST.
STA. 400+10.00

400



DATE: _____
DESIGNED BY: _____
DRAWN BY: _____
SUPERVISED BY: _____
CHECKED BY: _____

YEAR: 2023

SHEET NO: U7-6

LIGHTING PLAN

MALLORY LANE / LIBERTY PIKE
FRANKLIN, TENNESSEE

Volkert

BRENTWOOD COMMONS, 750 OLD HICKORY BLVD.
SUITE 230-1, BRENTWOOD, TN 37027
PHONE: (615) 656-1845 FAX: (615) 656-1870

REVISIONS		DESCRIPTION	
NO	DATE	BY	

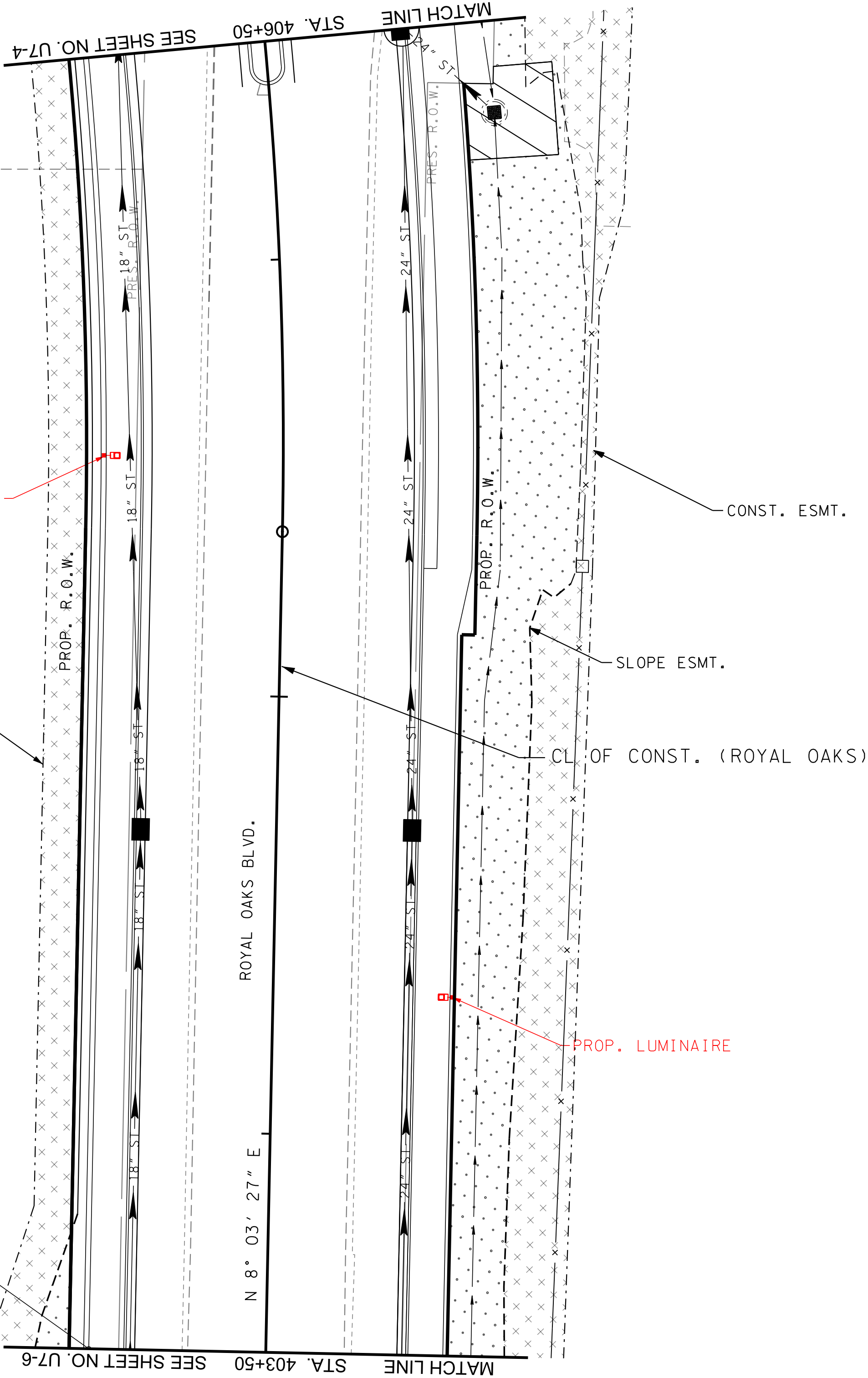
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CONST. ESMT.

PROP. LUMINAIRE

BEG. RET. WALL
STA. 403+50.00
OFF 40.50'

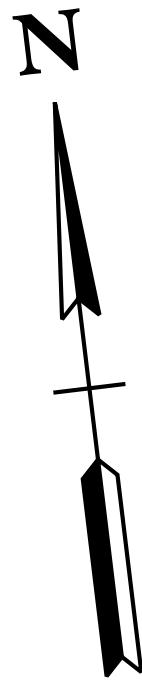


2

UTILITY LEGEND

-  LUMINAIRE (BACK TO BACK)
-  LUMINAIRE (SINGLE)

*ALL PROPOSED LUMINAIRES TO BE 225 WATT SHOE BOX LIGHTS ON 35' SQUARE POLES UNLESS OTHERWISE NOTED IN THE PLANS.



DATE: _____
DESIGNED BY: _____
DRAWN BY: _____
SUPERVISED BY: _____
CHECKED BY: _____

YEAR: 2023

SHEET NO: U7-7

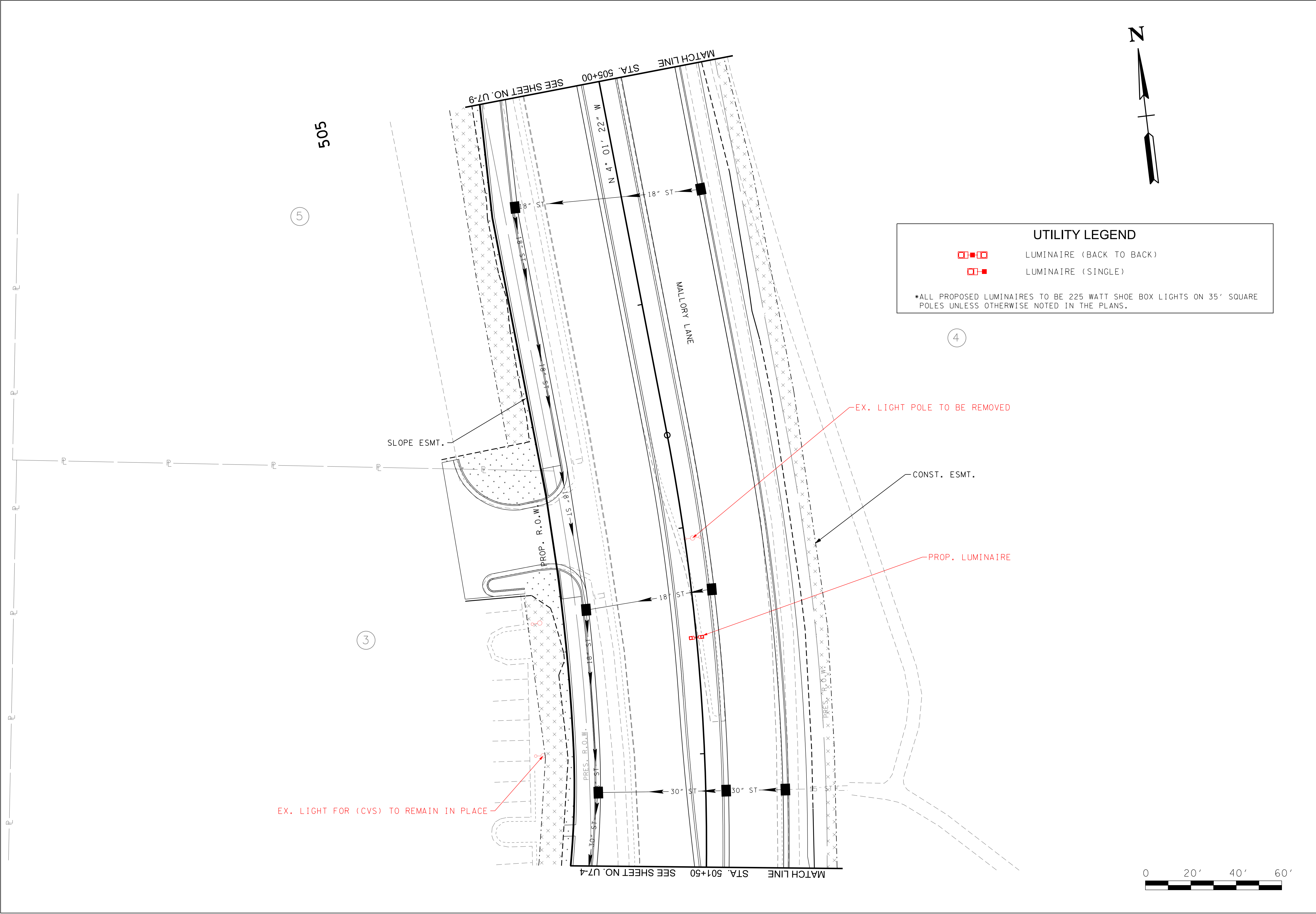
LIGHTING PLAN

MALLORY LANE / LIBERTY PIKE
FRANKLIN, TENNESSEE

Volkert

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SUITE 230-1, BRENTWOOD, TN 37027
PHONE: (615) 656-1845 FAX: (615) 656-1870

REVISIONS		DESCRIPTION	
NO	DATE	BY	



UTILITY LEGEND

LUMINAIRE (BACK TO BACK)
 LUMINAIRE (SINGLE)

*ALL PROPOSED LUMINAIRES TO BE 225 WATT SHOE BOX LIGHTS ON 35' SQUARE POLES UNLESS OTHERWISE NOTED IN THE PLANS.



DATE

BY

NO.

REVISIONS

DESCRIPTION

LIBERTY PIKE

FRANKLIN, TENNESSEE

LIBERTY PIKE

FRANKLIN, TENNESSEE

DATE

DESIGNED BY

DRAWN BY

SUPERVISED BY

CHECKED BY

YEAR

2023

SHEET NO

U7-8

LIBERTY PIKE

FRANKLIN, TENNESSEE

LIBERTY PIKE

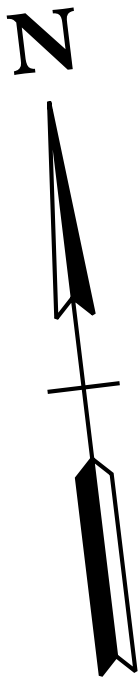
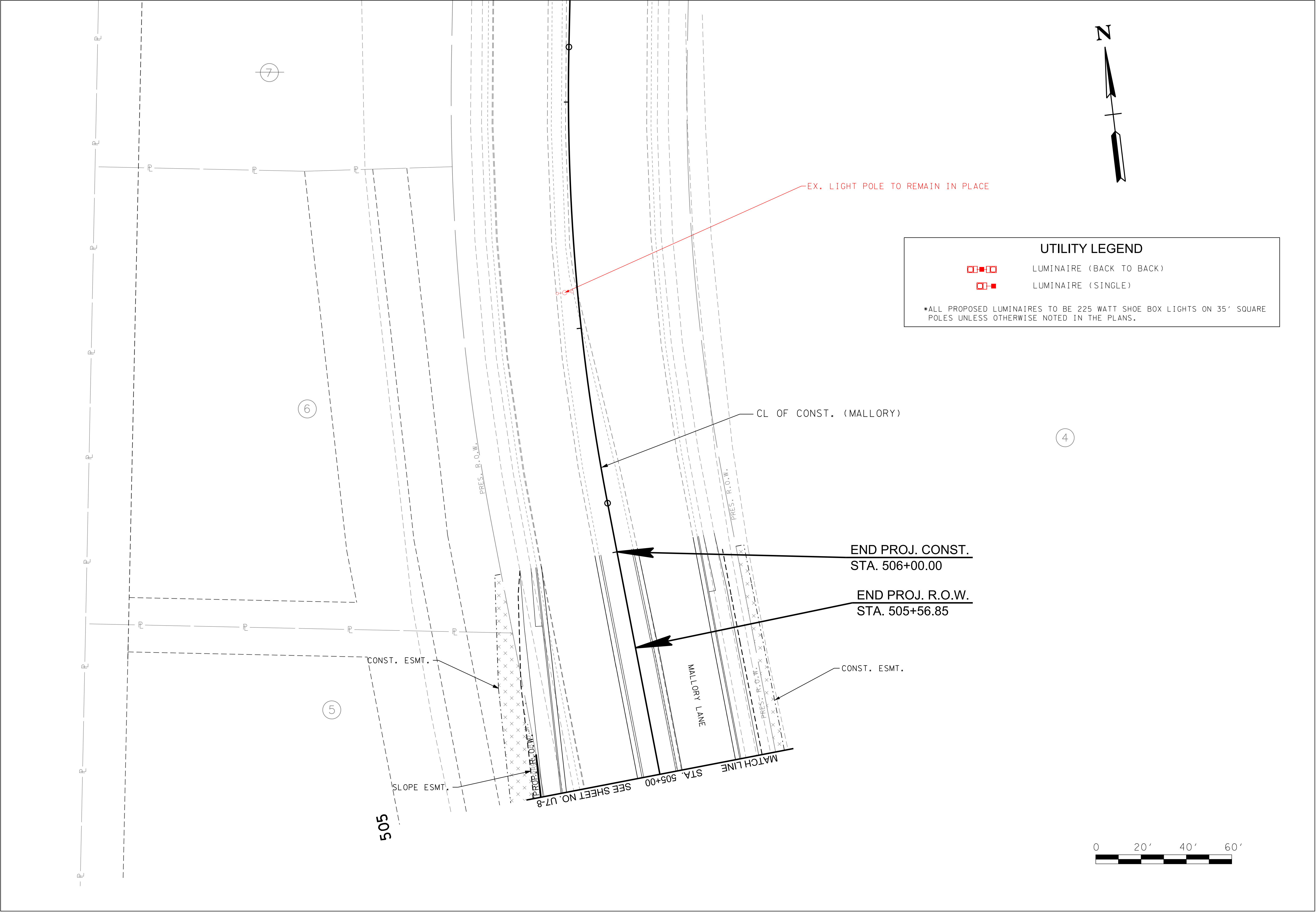
FRANKLIN, TENNESSEE

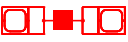
LIBERTY PIKE

FRANKLIN, TENNESSEE

LIBERTY PIKE

FRANKLIN, TENNESSEE





LUMINAIRE (BACK TO BACK)
LUMINAIRE (SINGLE)

*ALL PROPOSED LUMINAIRES TO BE 225 WATT SHOE BOX LIGHTS ON 35' SQUARE POLES UNLESS OTHERWISE NOTED IN THE PLANS.

REVISIONS		DESCRIPTION	
NO	DATE	BY	

Volkert

BRENTWOOD COMMONS, 750 OLD HICKORY BLVD.
SUITE 230-1, BRENTWOOD, TN 37027
PHONE: (615) 656-1845 FAX: (615) 656-1870

LIGHTING PLAN

MALLORY LANE / LIBERTY PIKE
FRANKLIN, TENNESSEE

DATE: _____

DESIGNED BY: _____

DRAWN BY: _____

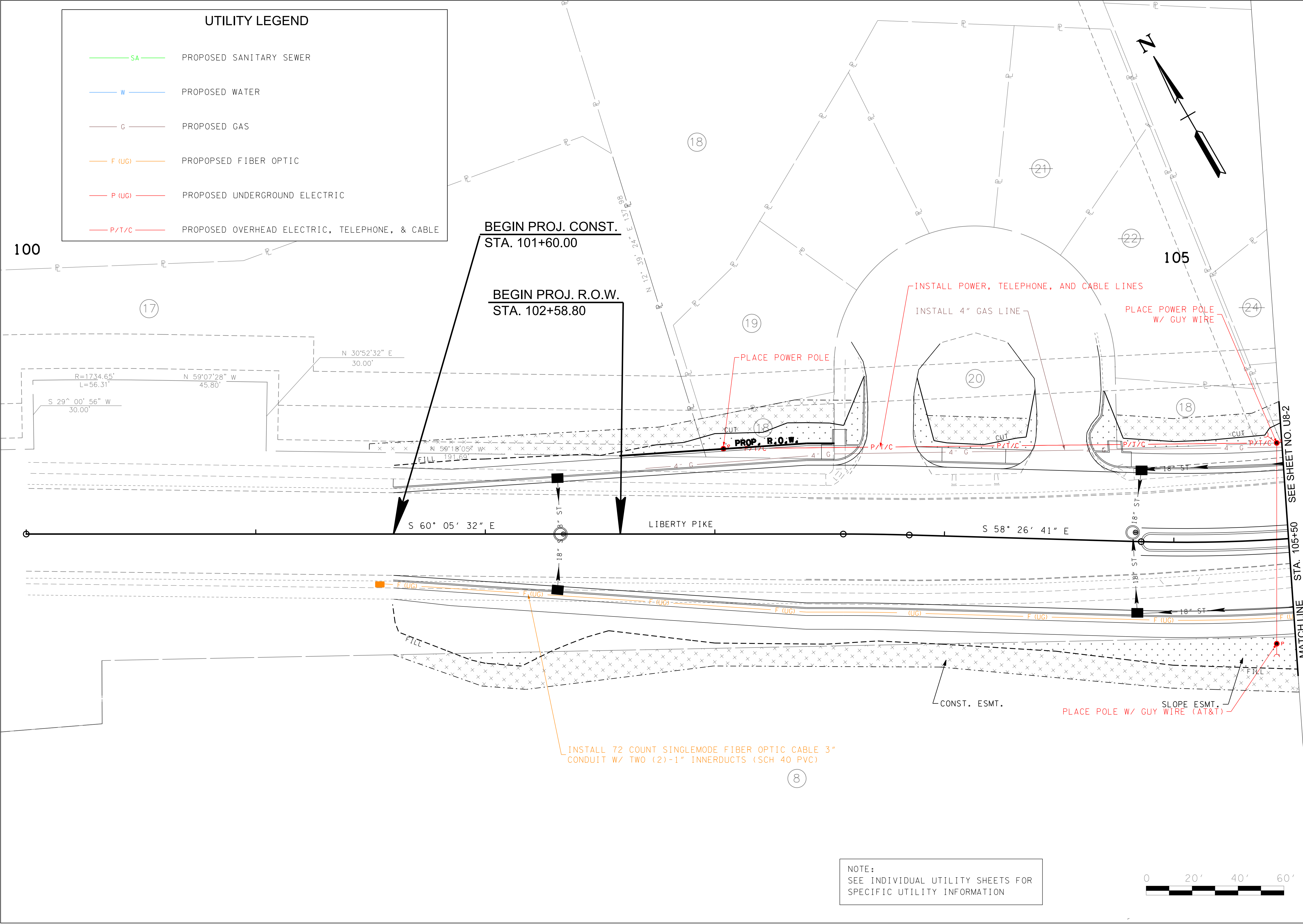
SUPERVISED BY: _____

CHECKED BY: _____

YEAR: 2023

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REVISIONS		NO	DATE	BY	DESCRIPTION

OVERALL UTILITY RELOCATION PHASING
PHASE 1

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SUITE 230-1, BRENTWOOD, TN 37027
PHONE: (615) 656-1845 FAX: (615) 656-1870

MALLORY LANE / LIBERTY PIKE
FRANKLIN, TENNESSEE

DATE: _____

DESIGNED BY: _____

DRAWN BY: _____

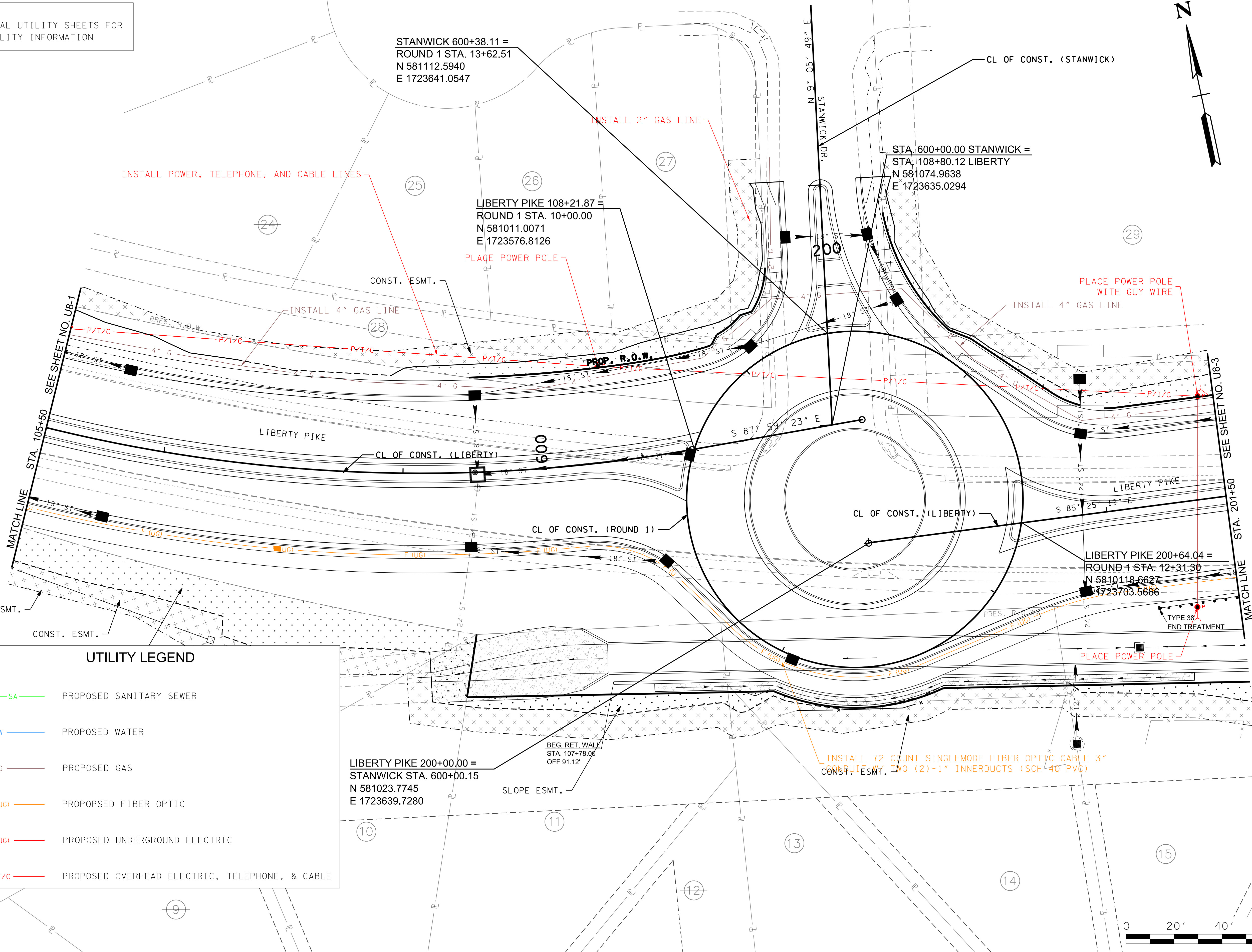
SUPERVISED BY: _____

CHECKED BY: _____

YEAR: 2023

SHEET NO: U8-1

NOTE:
SEE INDIVIDUAL UTILITY SHEETS FOR
SPECIFIC UTILITY INFORMATION



UTILITY LEGEND

SA

PROPOSED SANITARY SEWER

W

PROPOSED WATER

G

PROPOSED GAS

F (UG)

PROPOSED FIBER OPTIC

P (UG)

PROPOSED UNDERGROUND ELECTRIC

P/T/C

PROPOSED OVERHEAD ELECTRIC, TELEPHONE, & CABLE

REVISIONS		DESCRIPTION	
NO	DATE	BY	

OVERALL UTILITY RELOCATION PHASING
PHASE 1

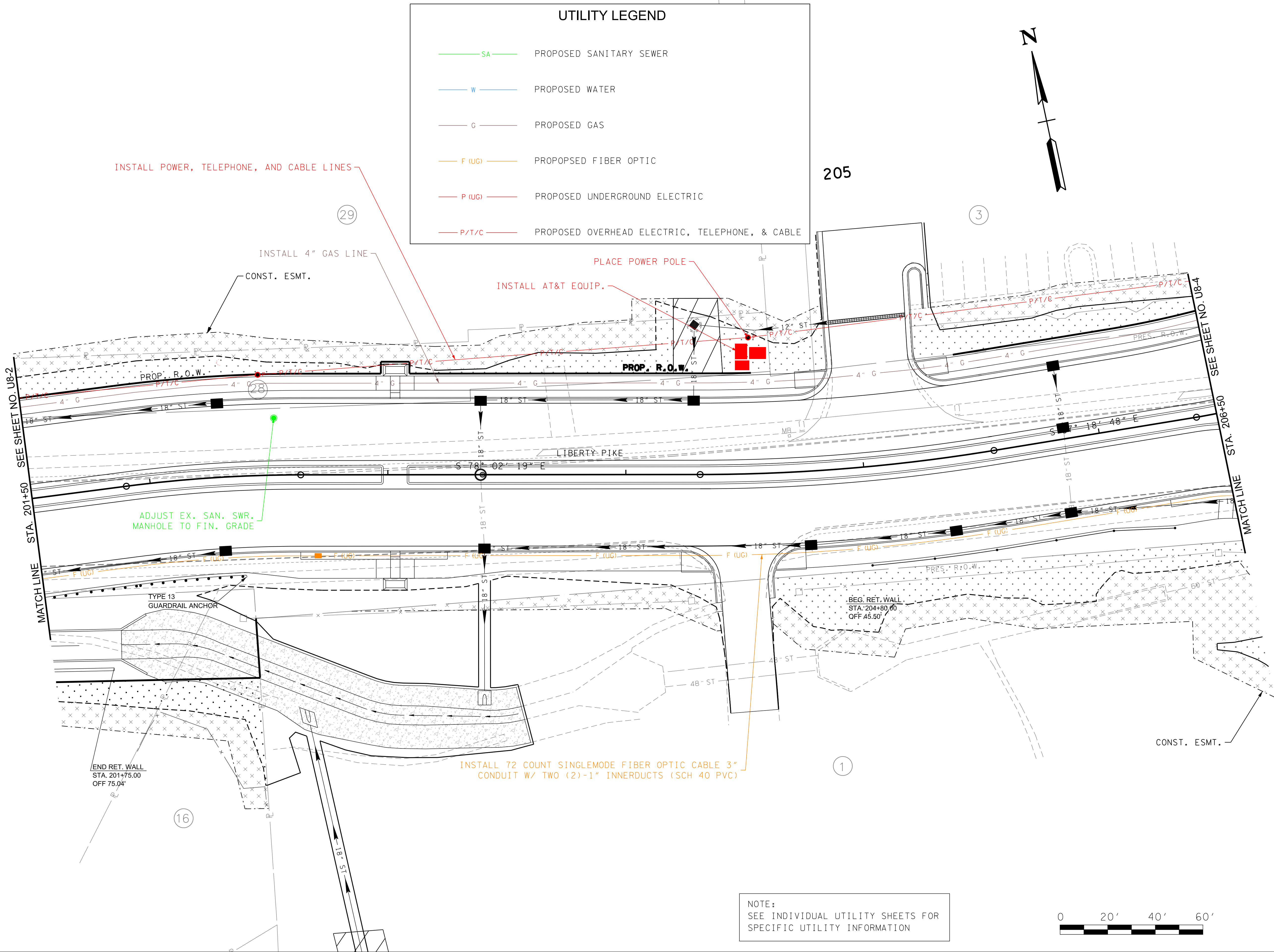
MALLORY LANE / LIBERTY PIKE
FRANKLIN, TENNESSEE

BRENTWOOD COMMONS, 750 OLD HICKORY BLVD.
SUITE 230-1, BRENTWOOD, TN 37027
PHONE: (615) 656-1845 FAX: (615) 656-1870

DATE: _____
DESIGNED BY: _____
DRAWN BY: _____
SUPERVISED BY: _____
CHECKED BY: _____

YEAR: 2023

SHEET NO:U8-2



REVISIONS		DESCRIPTION	
NO	DATE	BY	

OVERALL UTILITY RELOCATION PHASING
PHASE 1

Volkert

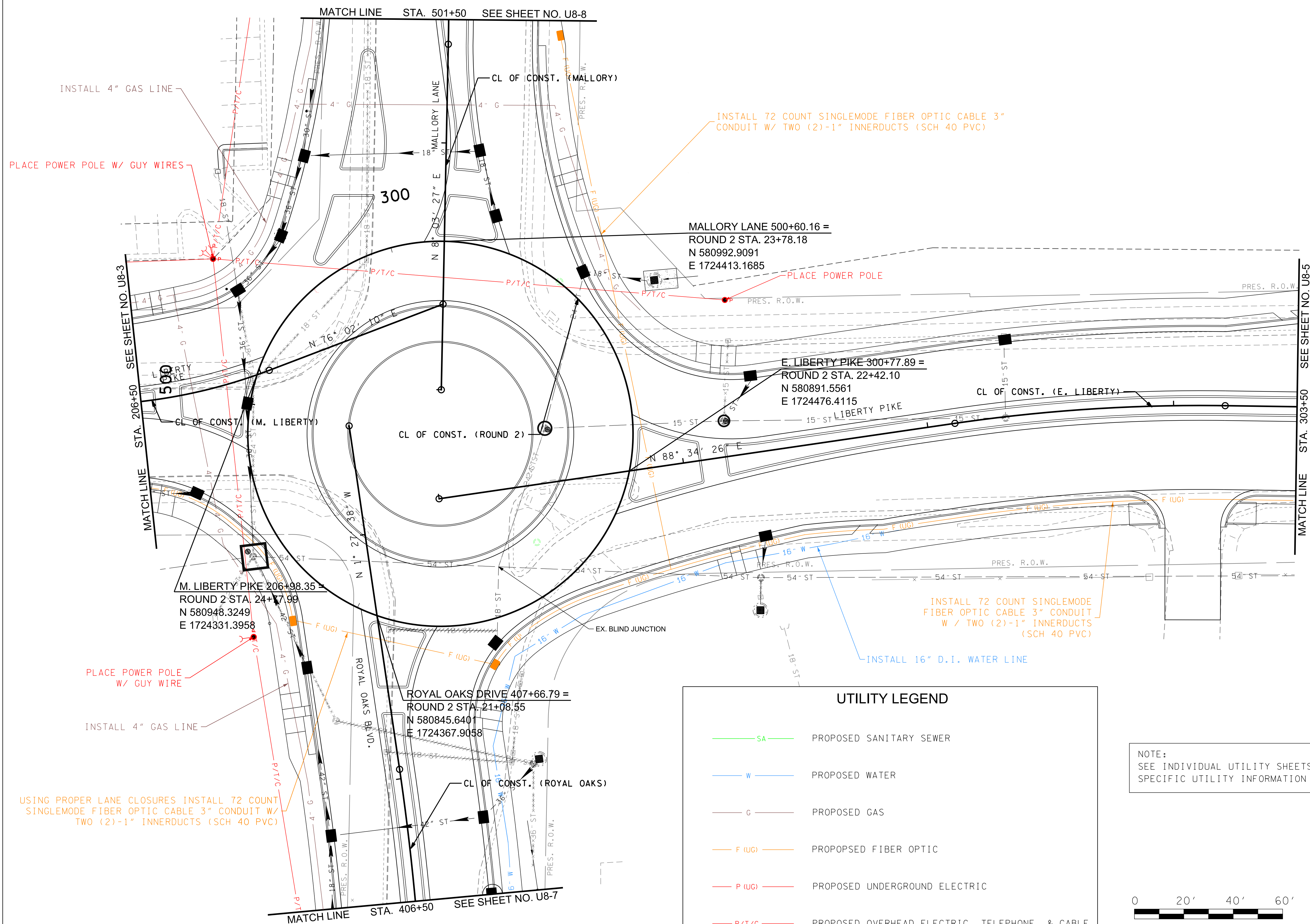
BRENTWOOD COMMONS, 750 OLD HICKORY BLVD.
SUITE 230-1, BRENTWOOD, TN 37027
PHONE: (615) 656-1845 FAX: (615) 656-1870

MALLORY LANE / LIBERTY PIKE
FRANKLIN, TENNESSEE

DATE: _____
DESIGNED BY: _____
DRAWN BY: _____
SUPERVISED BY: _____
CHECKED BY: _____

YEAR: 2023

SHEET NO: U8-3

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VOLKERT

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SUITE 230-1, BRENTWOOD, TN 37027
PHONE: (615) 656-1845 FAX: (615) 656-1870

OVERALL UTILITY RELOCATION PHASING
PHASE 1

FRANKLIN, TENNESSEE

DATE: _____
DESIGNED BY: _____
DRAWN BY: _____
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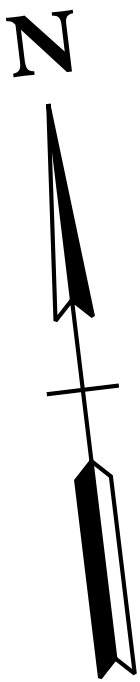
YEAR: 2023

SHEET NO:U8-4

NOTE:
SEE INDIVIDUAL UTILITY SHEETS FOR
SPECIFIC UTILITY INFORMATION

UTILITY LEGEND

- SA PROPOSED SANITARY SEWER
- W PROPOSED WATER
- G PROPOSED GAS
- F (UG) PROPOSED FIBER OPTIC
- P (UG) PROPOSED UNDERGROUND ELECTRIC
- P/T/C PROPOSED OVERHEAD ELECTRIC, TELEPHONE, & CABLE



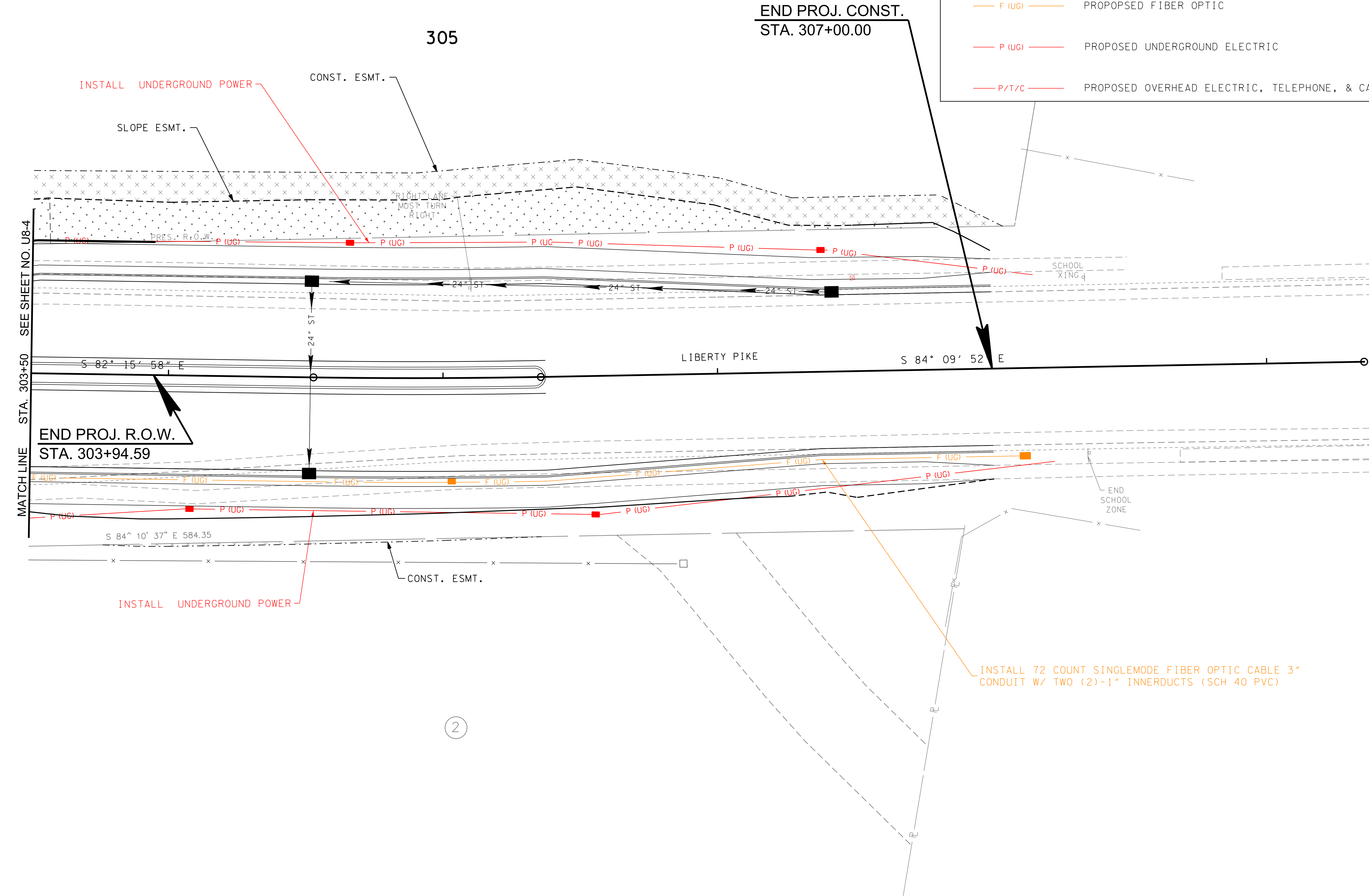
REVISIONS		DESCRIPTION	
NO	DATE	BY	

OVERALL UTILITY RELOCATION PHASING
PHASE 1

Volkert

BRENTWOOD COMMONS, 750 OLD HICKORY BLVD.
SUITE 230-1, BRENTWOOD, TN 37027
PHONE: (615) 656-1845 FAX: (615) 656-1870

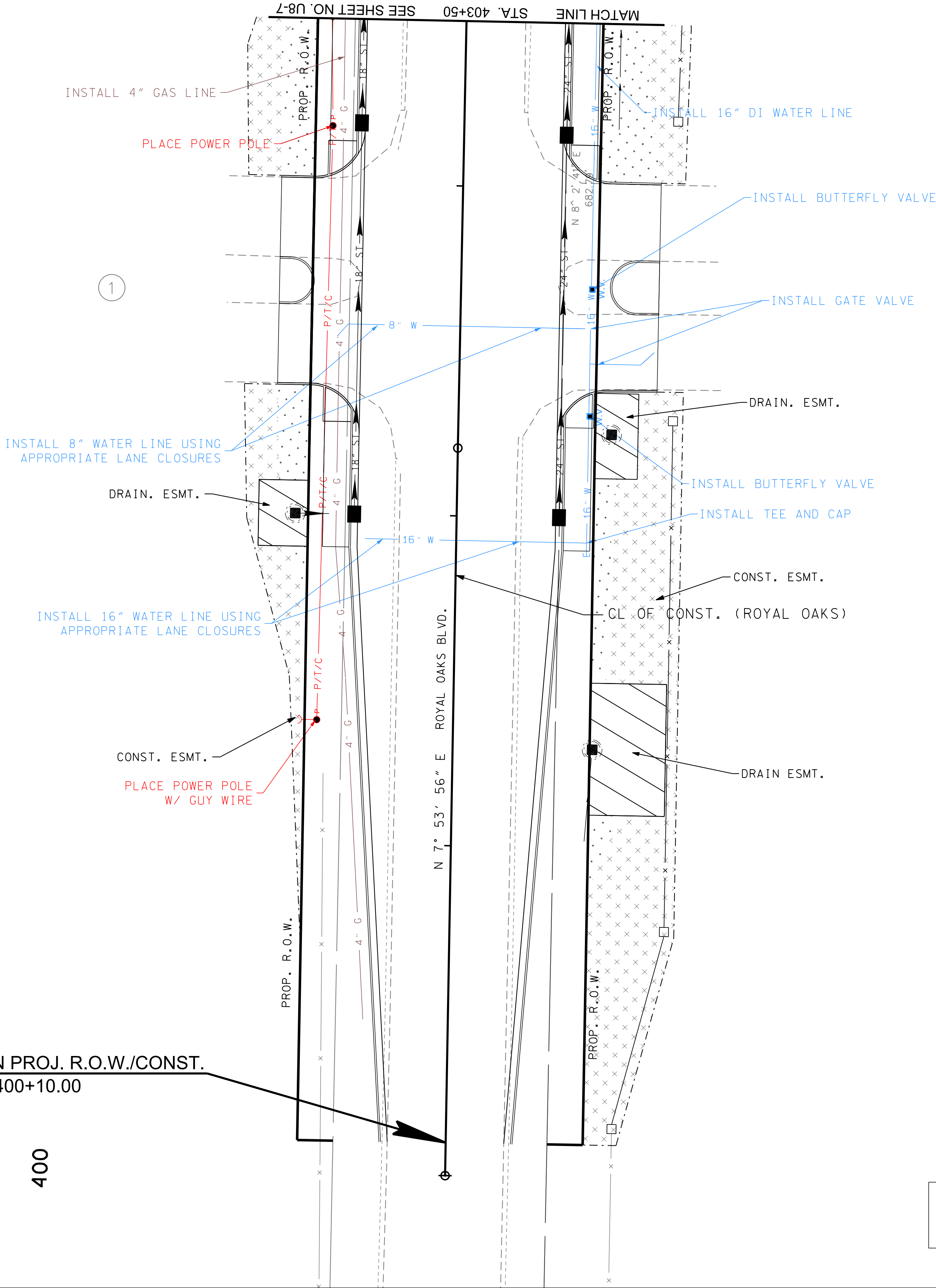
MALLORY LANE / LIBERTY PIKE
FRANKLIN, TENNESSEE



DATE:	
DESIGNED BY:	
DRAWN BY:	
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CHECKED BY:	
YEAR:	2023
SHEET NO:	U8-5

BEGIN PROJ. R.O.W./CONST.
STA. 400+10.00

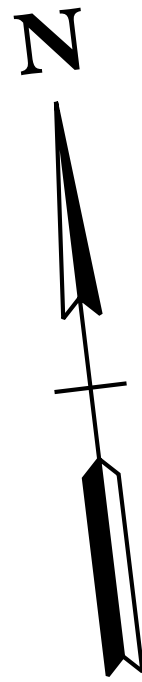
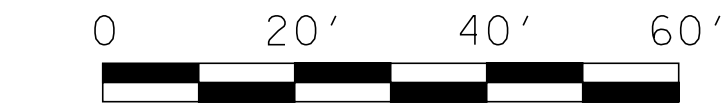
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NOTE:
SEE INDIVIDUAL UTILITY SHEETS FOR
SPECIFIC UTILITY INFORMATION

UTILITY LEGEND

- SA PROPOSED SANITARY SEWER
- W PROPOSED WATER
- G PROPOSED GAS
- F (UG) PROPOSED FIBER OPTIC
- P (UG) PROPOSED UNDERGROUND ELECTRIC
- P/T/C PROPOSED OVERHEAD ELECTRIC, TELEPHONE, & CABLE



OVERALL UTILITY RELOCATION PHASING PHASE 1

MALLORY LANE / LIBERTY PIKE
FRANKLIN, TENNESSEE

DATE: _____
DESIGNED BY: _____
DRAWN BY: _____
SUPERVISED BY: _____
CHECKED BY: _____

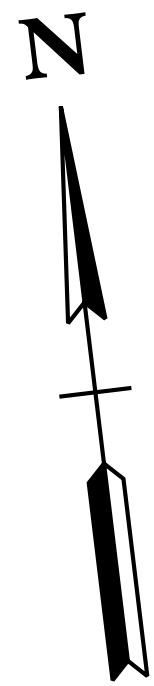
YEAR: 2023

SHEET NO: U8-6

REVISIONS	
NO	DESCRIPTION

Volkert

BRENTWOOD COMMONS, 750 OLD HICKORY BLVD.
SUITE 230-1, BRENTWOOD, TN 37027
PHONE: (615) 656-1845 FAX: (615) 656-1870



SA	PROPOSED SANITARY SEWER
W	PROPOSED WATER
G	PROPOSED GAS
F (UG)	PROPOSED FIBER OPTIC
P (UG)	PROPOSED UNDERGROUND ELECTRIC
P/T/C	PROPOSED OVERHEAD ELECTRIC, TELEPHONE, & CABLE

[illegible]

VOLKERT

OVERALL UTILITY RELOCATION PHASING
PHASE 1

MALLORY LANE / LIBERTY PIKE
FRANKLIN, TENNESSEE

DATE: _____

DESIGNED BY: _____

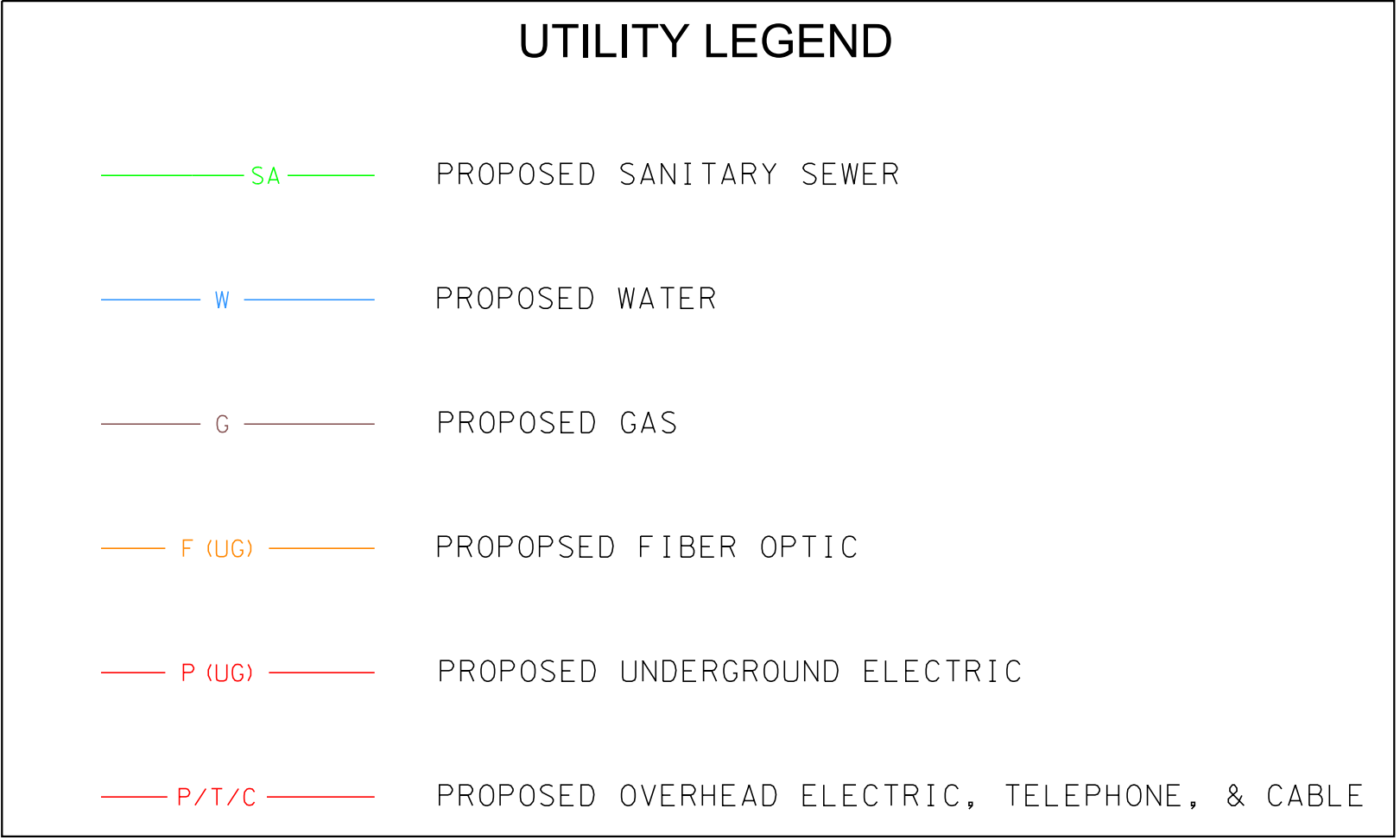
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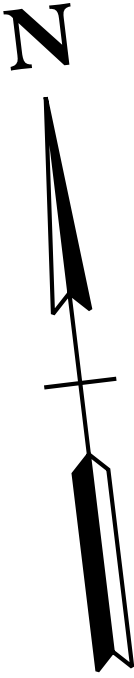
YEAR: 2023

SHEET NO: U8-7



✓PLACE GUY POLE AND GUY WIRE

A graphic scale bar with a total length of 60 feet. It is divided into six equal segments of 10 feet each. The segments alternate between black and white, starting with black. Above the bar, the markings 0, 20', 40', and 60' are indicated at the 0, 20, 40, and 60-foot positions respectively.

[illegible]

VOLKERT

OVERALL UTILITY RELOCATION PHASING
PHASE 1

MALLORY LANE / LIBERTY PIKE
FRANKLIN, TENNESSEE

DATE: _____

DESIGNED BY: _____

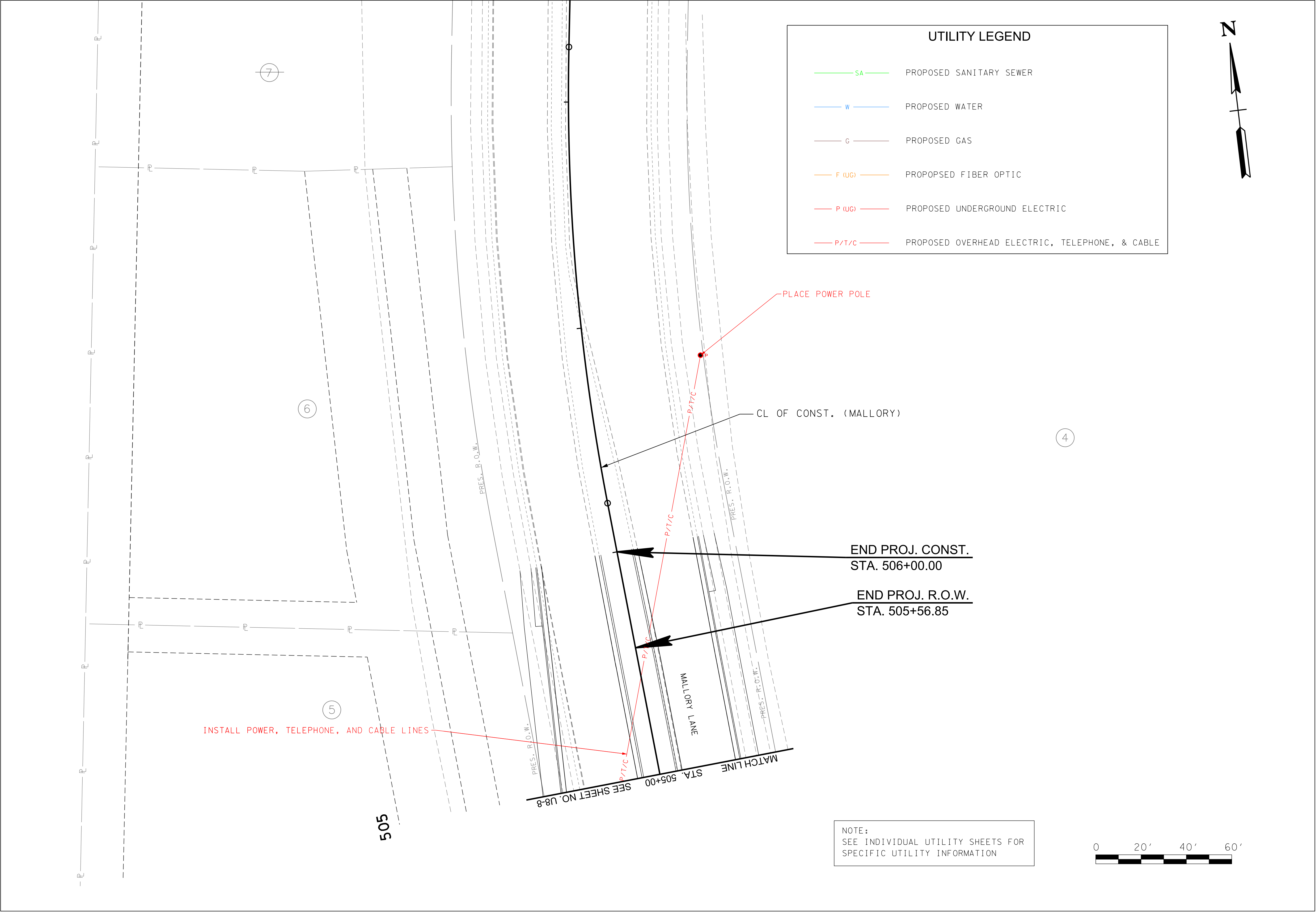
DRAWN BY: _____

SUPERVISED BY: _____

CHECKED BY: _____

YEAR: 2023

SHEET NO:U8-8



UTILITY LEGEND

SA

PROPOSED SANITARY SEWER

W

PROPOSED WATER

G

PROPOSED GAS

F (UG)

PROPOSED FIBER OPTIC

P (UG)

PROPOSED UNDERGROUND ELECTRIC

P/T/C

PROPOSED OVERHEAD ELECTRIC, TELEPHONE, & CABLE

NOTE:
SEE INDIVIDUAL UTILITY SHEETS FOR
SPECIFIC UTILITY INFORMATION



REVISIONS		DESCRIPTION	
NO	DATE	BY	

OVERALL UTILITY RELOCATION PHASING
PHASE 1

MALLORY LANE / LIBERTY PIKE
FRANKLIN, TENNESSEE

Volkert

BRENTWOOD COMMONS, 750 OLD HICKORY BLVD.
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PHONE: (615) 656-1845 FAX: (615) 656-1870

DATE: _____

DESIGNED BY: _____

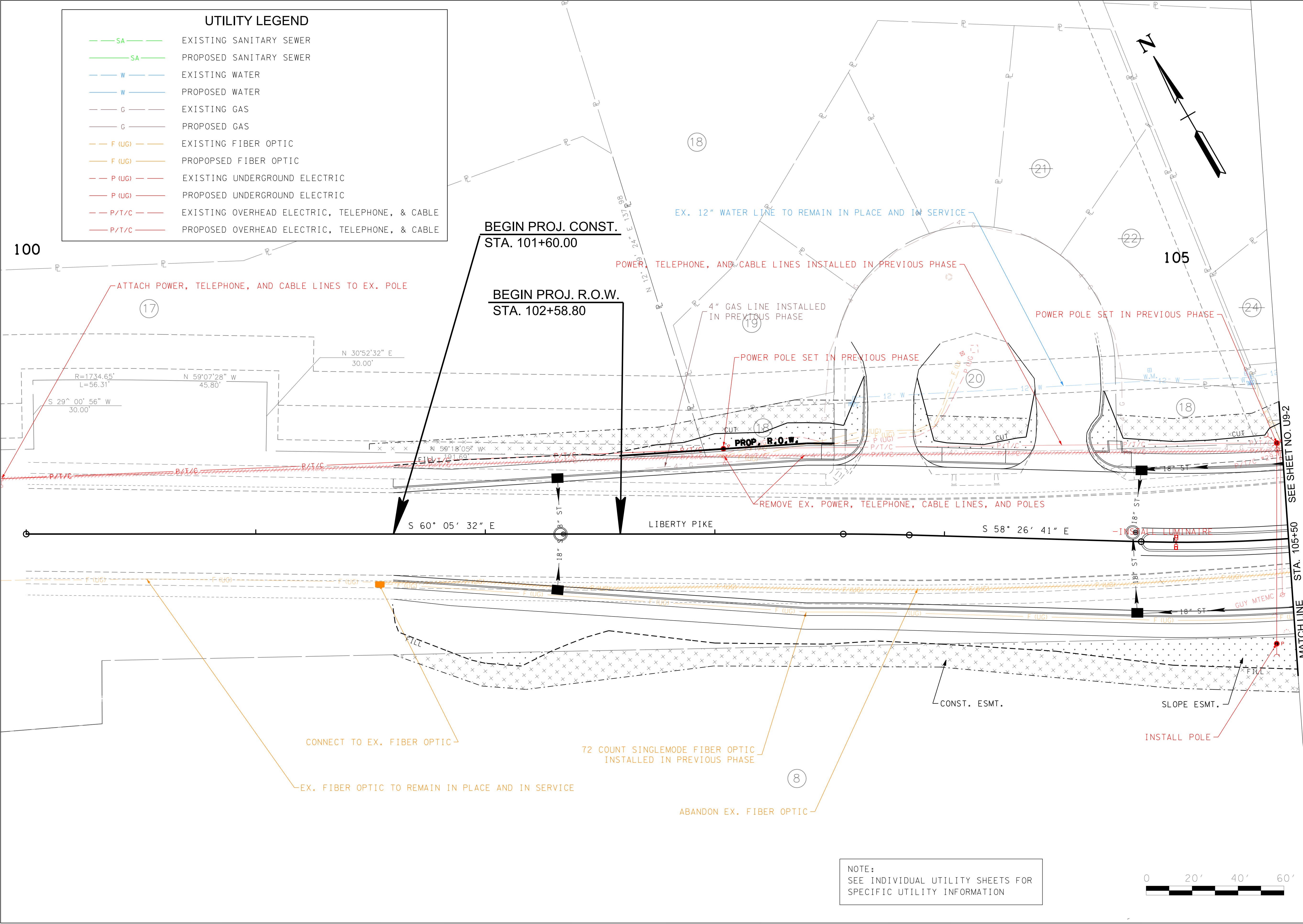
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SUPERVISED BY: _____

CHECKED BY: _____

YEAR: 2023

SHEET NO:U8-9



REVISIONS		DESCRIPTION	
NO	DATE	BY	

OVERALL UTILITY RELOCATION PHASING
PHASE 2

Volkert

BRENTWOOD COMMONS, 750 OLD HICKORY BLVD.
SUITE 230-1, BRENTWOOD, TN 37027
PHONE: (615) 656-1845 FAX: (615) 656-1870

OVERALL UTILITY RELOCATION PHASING
PHASE 2

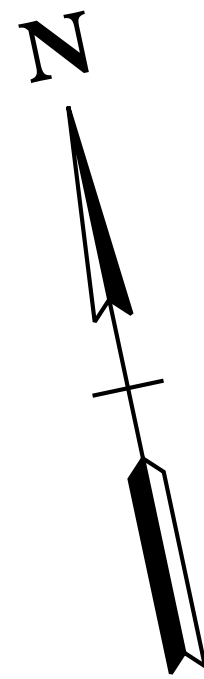
MALLORY LANE / LIBERTY PIKE
FRANKLIN, TENNESSEE

DATE: _____
DESIGNED BY: _____
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SUPERVISED BY: _____
CHECKED BY: _____

YEAR: 2023

SHEET NO: U9-1

NOTE:
SEE INDIVIDUAL UTILITY SHEETS FOR
SPECIFIC UTILITY INFORMATION



MATCHLINE
STA. 105+50
SEE SHEET NO. U9-1

SEE SHEET NO. U9-3
STA. 201+50
MATCHLINE

UTILITY LEGEND	
	SA EXISTING SANITARY SEWER
	SA PROPOSED SANITARY SEWER
	W EXISTING WATER
	W PROPOSED WATER
	G EXISTING GAS
	G PROPOSED GAS
	F (UG) EXISTING FIBER OPTIC
	F (UG) PROPOSED FIBER OPTIC
	P (UG) EXISTING UNDERGROUND ELECTRIC
	P (UG) PROPOSED UNDERGROUND ELECTRIC
	P/T/C EXISTING OVERHEAD ELECTRIC, TELEPHONE, & CABLE
	P/T/C PROPOSED OVERHEAD ELECTRIC, TELEPHONE, & CABLE

LIBERTY PIKE 200+00.00 =
STANWICK STA. 600+00.15
N 581023.7745
E 1723639.7280

STANWICK 600+38.11 =
ROUND 1 STA. 13+62.51
N 581112.5940
E 1723641.0547

LIBERTY PIKE 108+21.87 =
ROUND 1 STA. 10+00.00
N 581011.0071
E 1723576.8126

STA. 600+00.00 STANWICK =
STA. 108+80.12 LIBERTY
N 581074.9638
E 1723635.0294

LIBERTY PIKE 200+64.04 =
ROUND 1 STA. 12+31.30
N 5810118.6627
E 1723703.5666



REVISIONS	
NO.	DESCRIPTION

OVERALL UTILITY RELOCATION PHASING
PHASE 2

Volkert

BRENTWOOD COMMONS, 750 OLD HICKORY BLVD.
SUITE 230-1, BRENTWOOD, TN 37027
PHONE: (615) 656-1845 FAX: (615) 656-1870

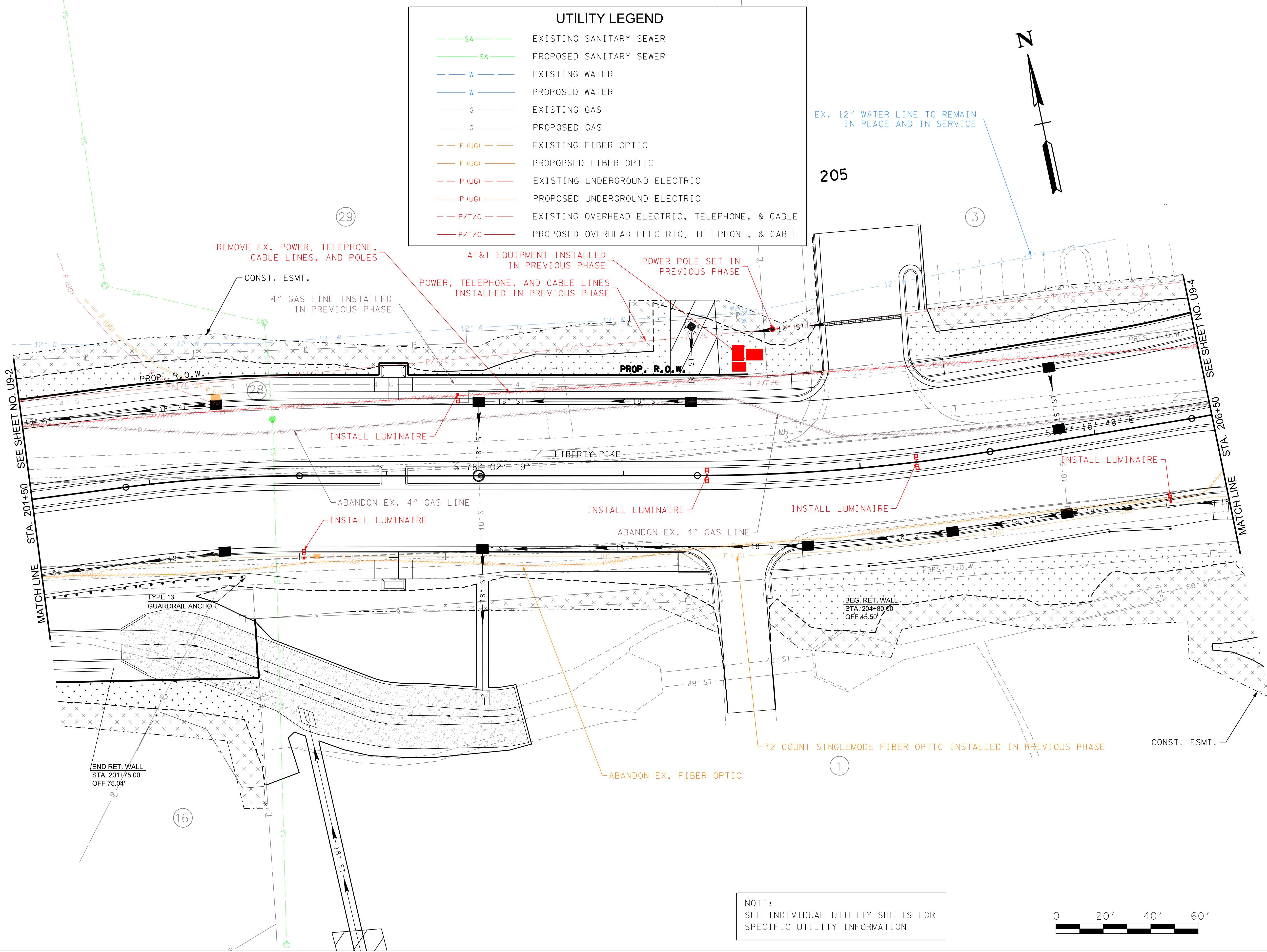
MALLORY LANE / LIBERTY PIKE
FRANKLIN, TENNESSEE

DATE: _____
DESIGNED BY: _____
DRAWN BY: _____
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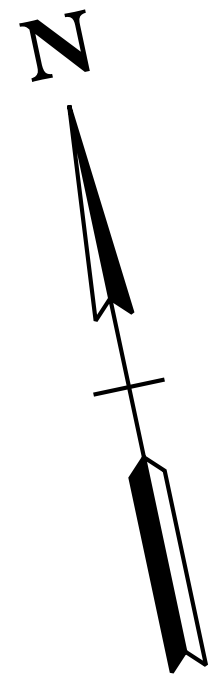
YEAR: 2023

SHEET NO:U9-2

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UTILITY LEGEND	
	EXISTING SANITARY SEWER
	PROPOSED SANITARY SEWER
	EXISTING WATER
	PROPOSED WATER
	EXISTING GAS
	PROPOSED GAS
	EXISTING FIBER OPTIC
	PROPOSED FIBER OPTIC
	EXISTING UNDERGROUND ELECTRIC
	PROPOSED UNDERGROUND ELECTRIC
	EXISTING OVERHEAD ELECTRIC, TELEPHONE, & CABLE
	PROPOSED OVERHEAD ELECTRIC, TELEPHONE, & CABLE



NOTE:
SEE INDIVIDUAL UTILITY SHEETS FOR
SPECIFIC UTILITY INFORMATION



REVISIONS	
NO.	DESCRIPTION

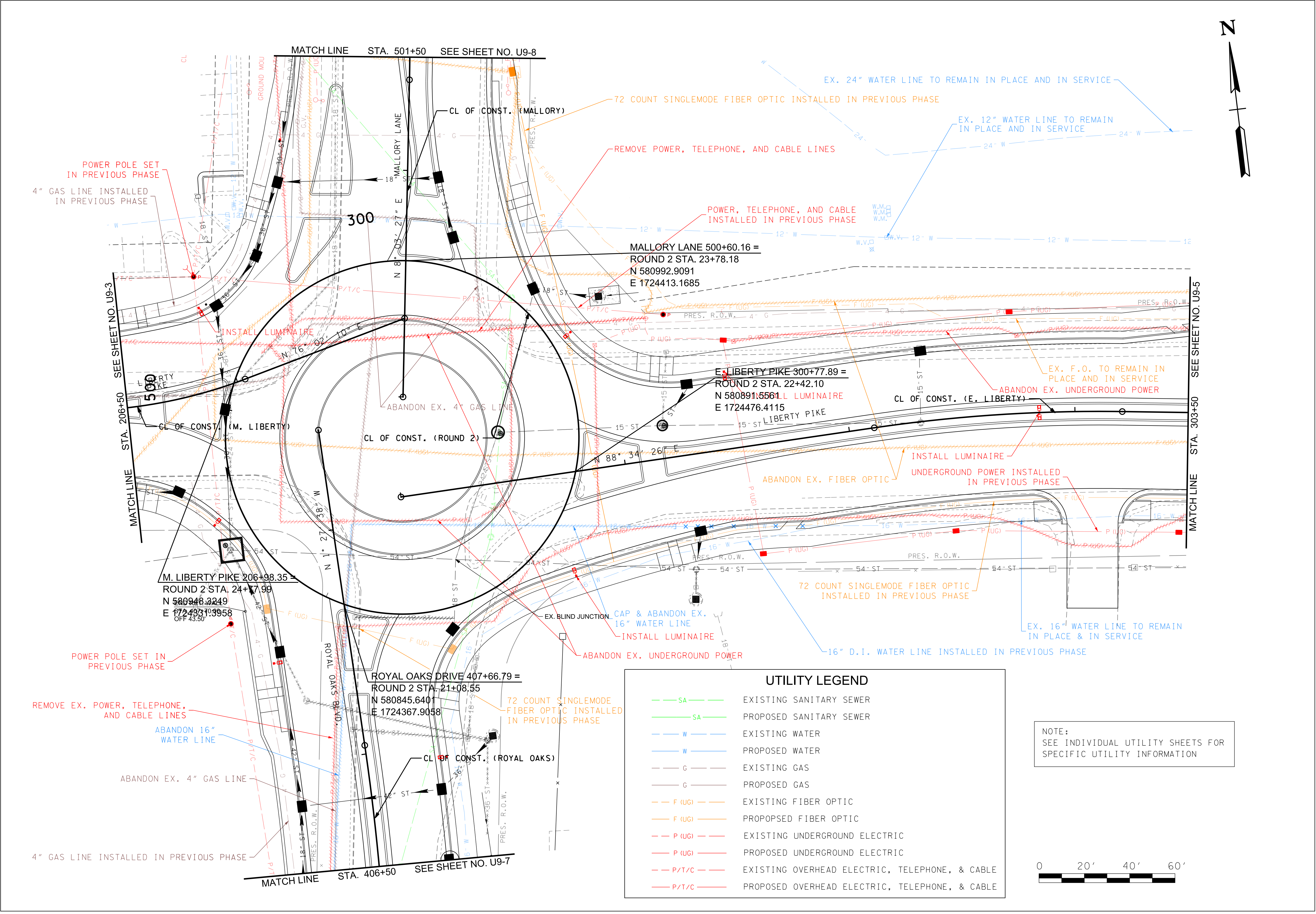
OVERALL UTILITY RELOCATION PHASING
PHASE 2

Volkert

BRENTWOOD COMMONS, 750 OLD HICKORY BLVD.
SUITE 230-1, BRENTWOOD, TN 37027
PHONE: (615) 656-1845 FAX: (615) 656-1870

MALLORY LANE / LIBERTY PIKE
FRANKLIN, TENNESSEE

DATE: _____
DESIGNED BY: _____
DRAWN BY: _____
SUPERVISED BY: _____
CHECKED BY: _____
YEAR: 2023
SHEET NO: U9-3



REVISIONS	
NO	DATE

OVERALL UTILITY RELOCATION PHASING
PHASE 2

Volkert

BRENTWOOD COMMONS, 750 OLD HICKORY BLVD.
SUITE 230-1, BRENTWOOD, TN 37027
PHONE: (615) 656-1845 FAX: (615) 656-1870

MALLORY LANE / LIBERTY PIKE
FRANKLIN, TENNESSEE

DATE: _____
DESIGNED BY: _____
DRAWN BY: _____
SUPERVISED BY: _____
CHECKED BY: _____

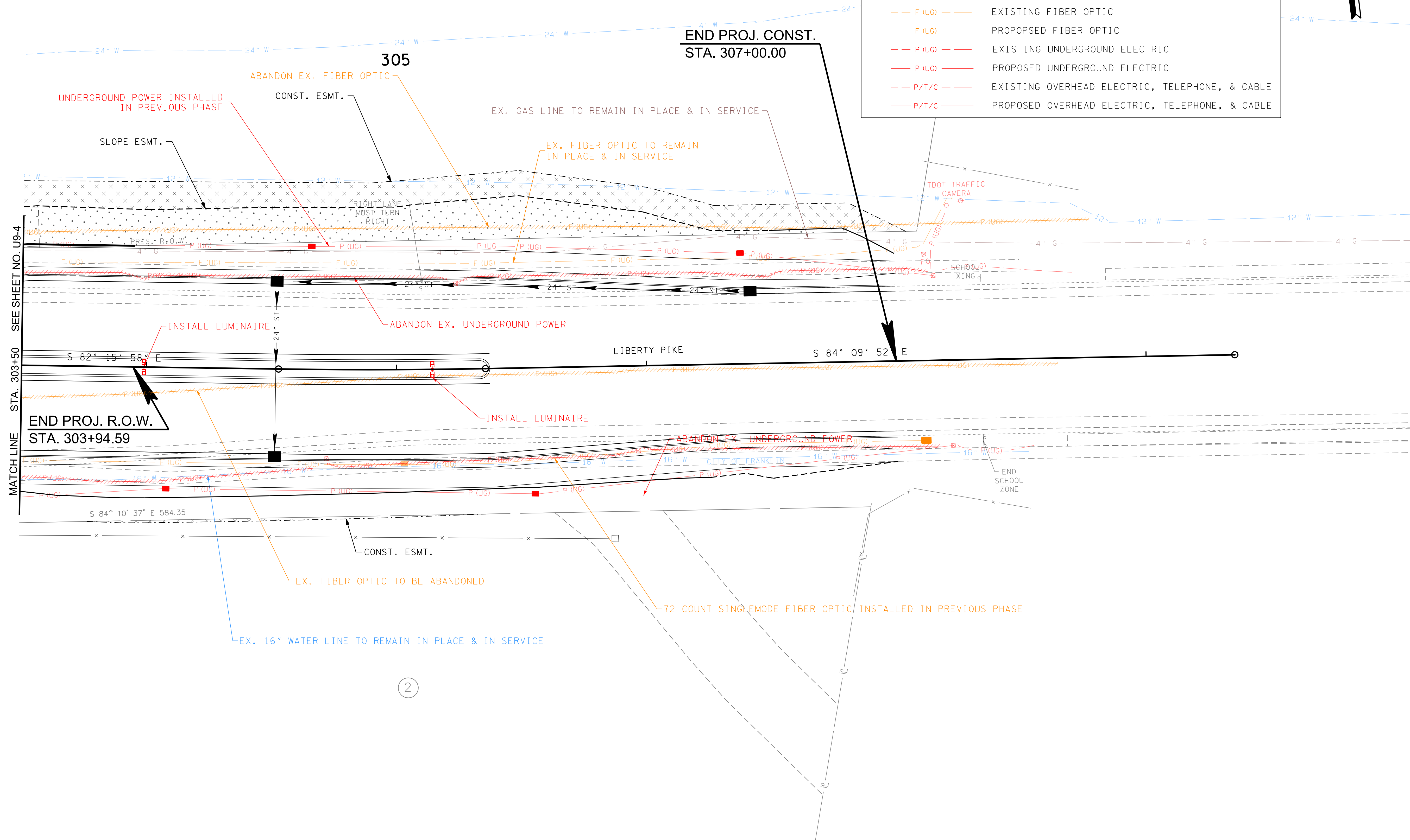
YEAR: 2023

SHEET NO: U9-4

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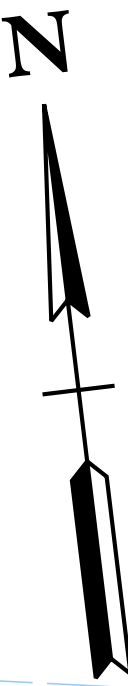
NOTE:
SEE INDIVIDUAL UTILITY SHEETS FOR
SPECIFIC UTILITY INFORMATION

4



UTILITY LEGEND

- SA PROPOSED SANITARY SEWER
- W EXISTING WATER
- W PROPOSED WATER
- G EXISTING GAS
- G PROPOSED GAS
- F (UG) EXISTING FIBER OPTIC
- F (UG) PROPOSED FIBER OPTIC
- P (UG) EXISTING UNDERGROUND ELECTRIC
- P (UG) PROPOSED UNDERGROUND ELECTRIC
- P/T/C EXISTING OVERHEAD ELECTRIC, TELEPHONE, & CABLE
- P/T/C PROPOSED OVERHEAD ELECTRIC, TELEPHONE, & CABLE



REVISIONS		DESCRIPTION	
NO	DATE	BY	

Volkert

BRENTWOOD COMMONS, 750 OLD HICKORY BLVD.
SUITE 230-1, BRENTWOOD, TN 37027
PHONE: (615) 656-1845 FAX: (615) 656-1870

OVERALL UTILITY RELOCATION PHASING
PHASE 2

MALLORY LANE / LIBERTY PIKE
FRANKLIN, TENNESSEE

DATE: _____

DESIGNED BY: _____

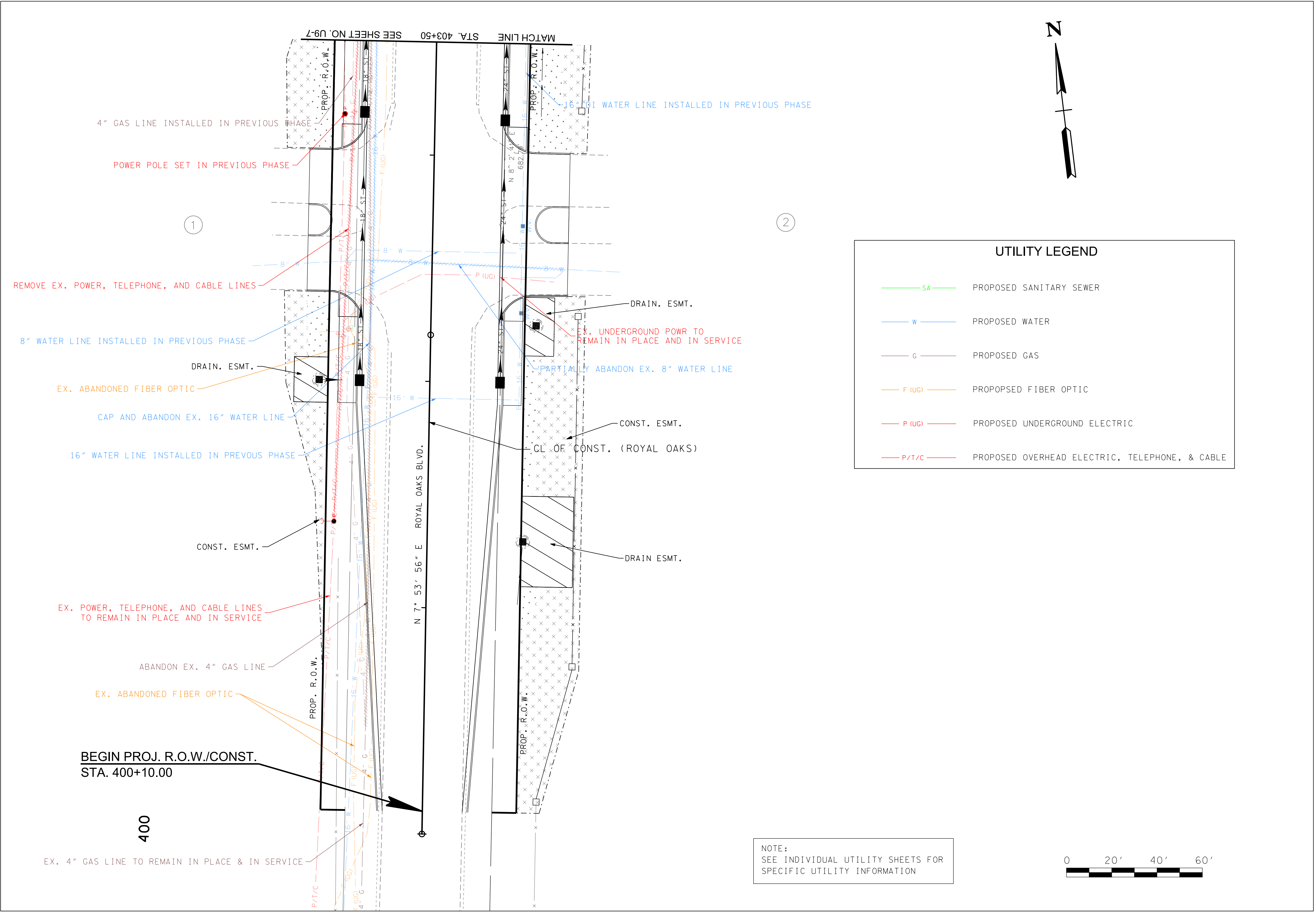
DRAWN BY: _____

SUPERVISED BY: _____

CHECKED BY: _____

YEAR: 2023

SHEET NO: U9-5



OVERALL UTILITY RELOCATION PHASING
PHASE 2

MALLORY LANE / LIBERTY PIKE
FRANKLIN, TENNESSEE

DATE: _____
DESIGNED BY: _____
DRAWN BY: _____
SUPERVISED BY: _____
CHECKED BY: _____

YEAR: 2023

SHEET NO: U9-6

REVISIONS

NO	DATE	BY	DESCRIPTION

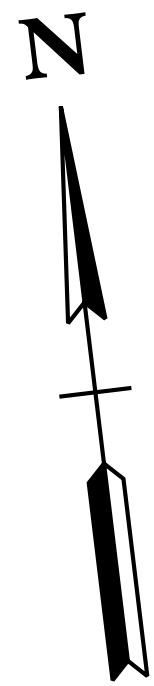
Volkert

BRENTWOOD COMMONS, 750 OLD HICKORY BLVD.
SUITE 230-1, BRENTWOOD, TN 37027
PHONE: (615) 656-1845 FAX: (615) 656-1870

NOTE:
SEE INDIVIDUAL UTILITY SHEETS FOR
SPECIFIC UTILITY INFORMATION

0 20' 40' 60'

0 20' 40' 60'



UTILITY LEGEND

 SA 	EXISTING SANITARY SEWER
 SA 	PROPOSED SANITARY SEWER
 W 	EXISTING WATER
 W 	PROPOSED WATER
 G 	EXISTING GAS
 G 	PROPOSED GAS
 F (UG) 	EXISTING FIBER OPTIC
 F (UG) 	PROPOSED FIBER OPTIC
 P (UG) 	EXISTING UNDERGROUND ELECTRIC
 P (UG) 	PROPOSED UNDERGROUND ELECTRIC
 P/T/C 	EXISTING OVERHEAD ELECTRIC, TELEPHONE, & CABLE
 P/T/C 	PROPOSED OVERHEAD ELECTRIC, TELEPHONE, & CABLE

NOTE:
SEE INDIVIDUAL UTILITY SHEETS FOR
SPECIFIC UTILITY INFORMATION

[illegible]

VOLKERT

OVERALL UTILITY RELOCATION PHASING
PHASE 2

MALLORY LANE / LIBERTY PIKE
FRANKLIN, TENNESSEE

DATE: _____

DESIGNED BY: _____

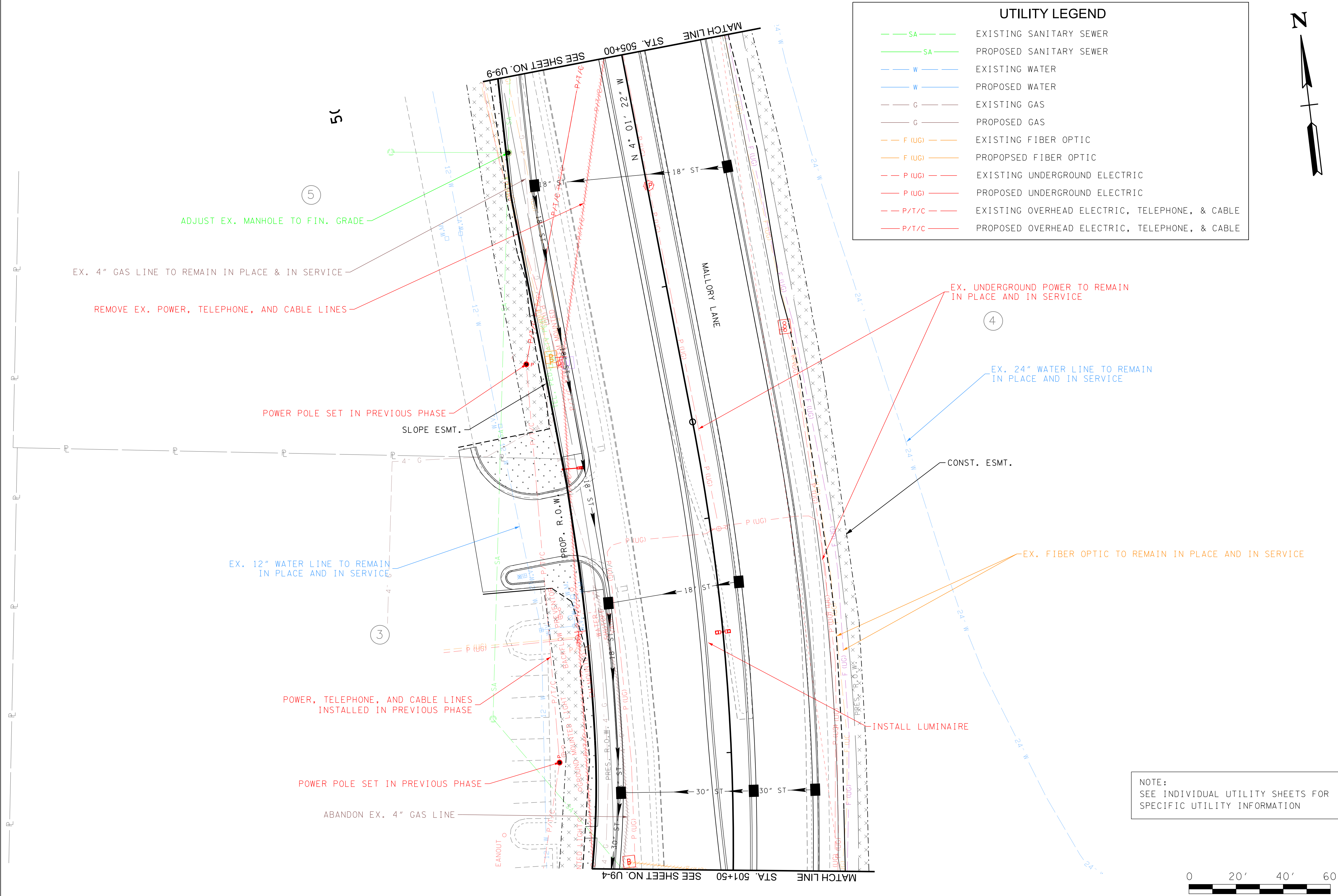
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SUPERVISED BY: _____

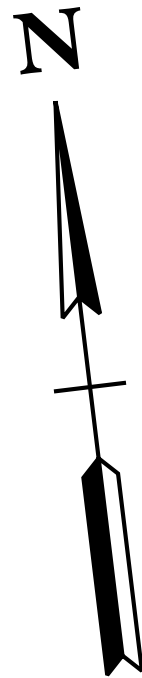
CHECKED BY: _____

YEAR: 2023

SHEET NO: U9-7



UTILITY LEGEND	
SA	EXISTING SANITARY SEWER
SA	PROPOSED SANITARY SEWER
W	EXISTING WATER
W	PROPOSED WATER
G	EXISTING GAS
G	PROPOSED GAS
F (UG)	EXISTING FIBER OPTIC
F (UG)	PROPOSED FIBER OPTIC
P (UG)	EXISTING UNDERGROUND ELECTRIC
P (UG)	PROPOSED UNDERGROUND ELECTRIC
P/T/C	EXISTING OVERHEAD ELECTRIC, TELEPHONE, & CABLE
P/T/C	PROPOSED OVERHEAD ELECTRIC, TELEPHONE, & CABLE



NOTE:
SEE INDIVIDUAL UTILITY SHEETS FOR
SPECIFIC UTILITY INFORMATION

REVISIONS		DESCRIPTION	
NO	DATE	BY	

Volkert

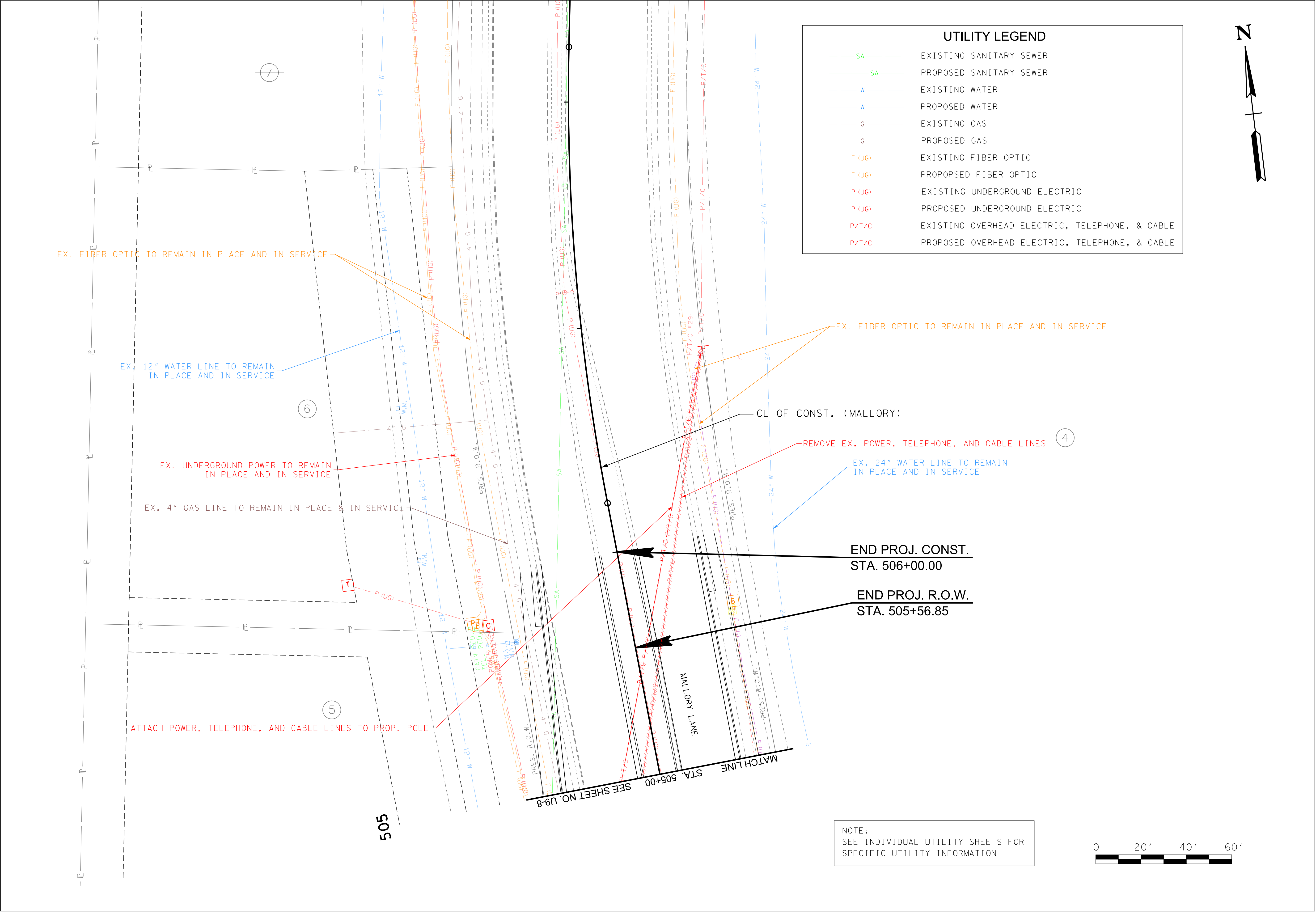
BRENTWOOD COMMONS, 750 OLD HICKORY BLVD.
SUITE 230-1, BRENTWOOD, TN 37027
PHONE: (615) 656-1845 FAX: (615) 656-1870

OVERALL UTILITY RELOCATION PHASING
PHASE2

MALLORY LANE / LIBERTY PIKE
FRANKLIN, TENNESSEE

DATE: _____
DESIGNED BY: _____
DRAWN BY: _____
SUPERVISED BY: _____
CHECKED BY: _____

YEAR:	2023
SHEET NO:	U9-8



OVERALL UTILITY RELOCATION PHASING
PHASE 2

MALLORY LANE / LIBERTY PIKE
FRANKLIN, TENNESSEE

DATE: _____
DESIGNED BY: _____
DRAWN BY: _____
SUPERVISED BY: _____
CHECKED BY: _____

YEAR: 2023

SHEET NO:U9-9

REVISIONS

NO	DATE	BY	DESCRIPTION

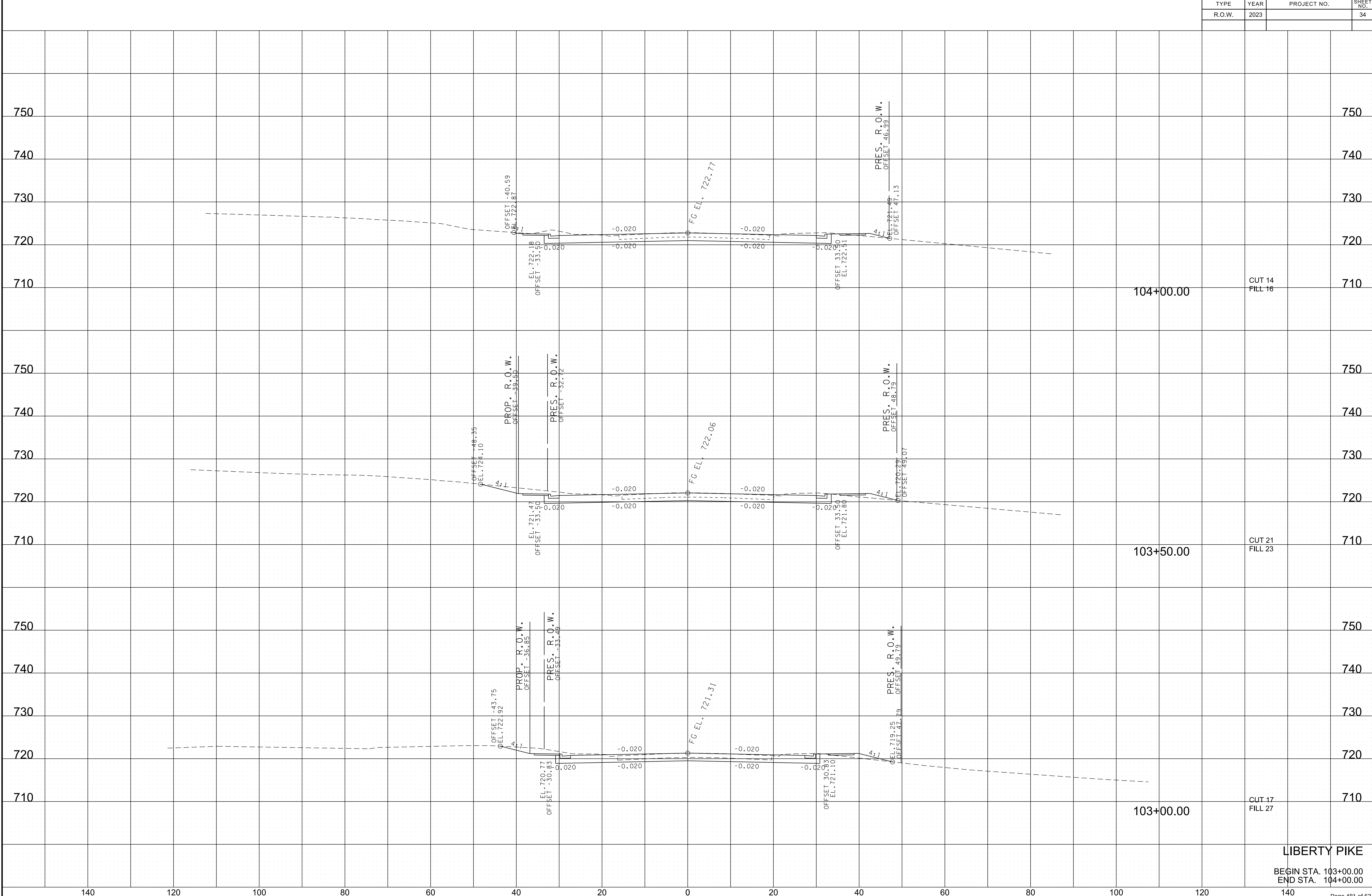
Volkert

BRENTWOOD COMMONS, 750 OLD HICKORY BLVD.
SUITE 230-1, BRENTWOOD, TN 37027
PHONE: (615) 656-1845 FAX: (615) 656-1870

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10/25/2023 1:01:42 PM
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TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2023		34

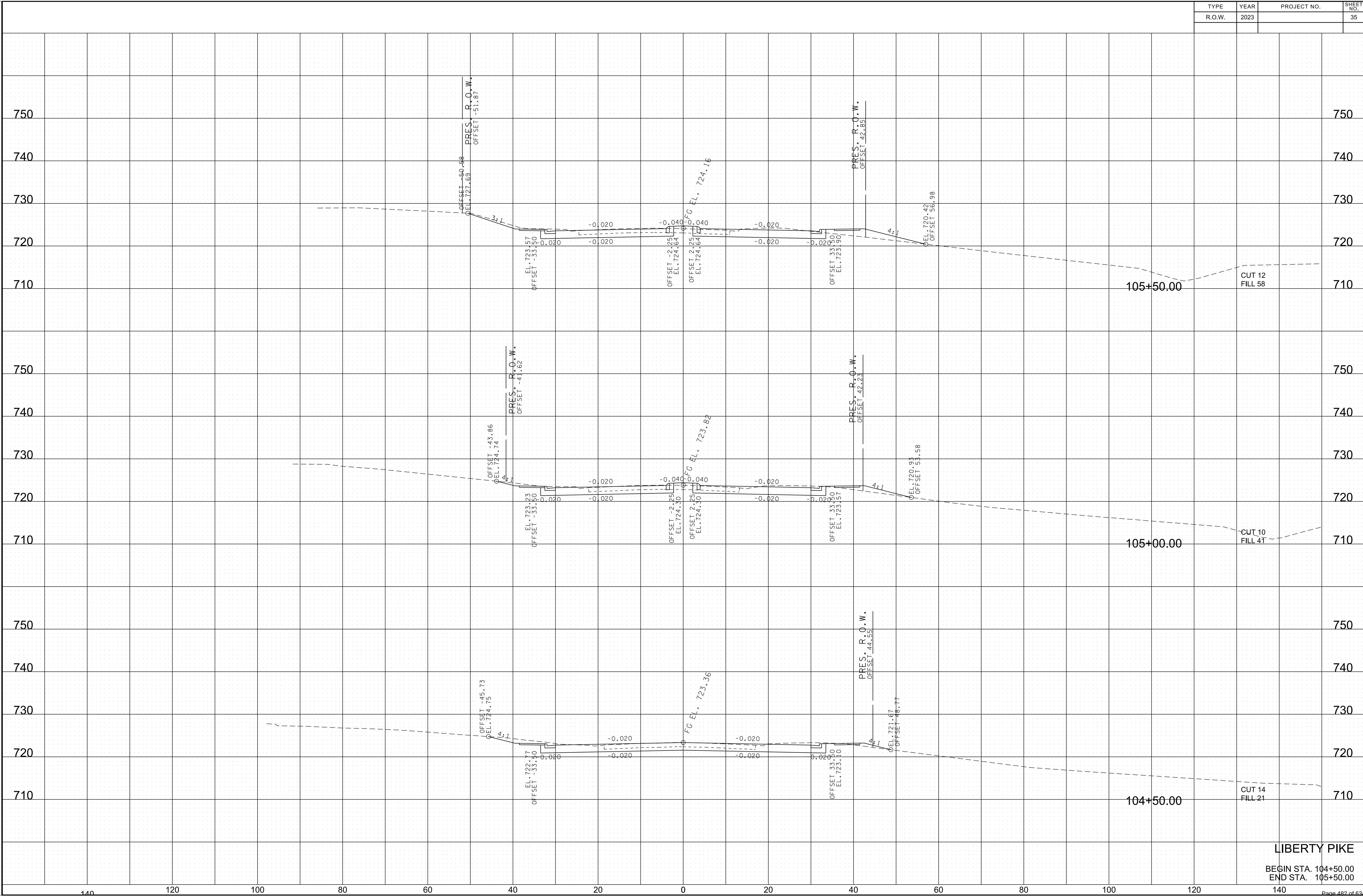


LIBERTY PIKE

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TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2023		35

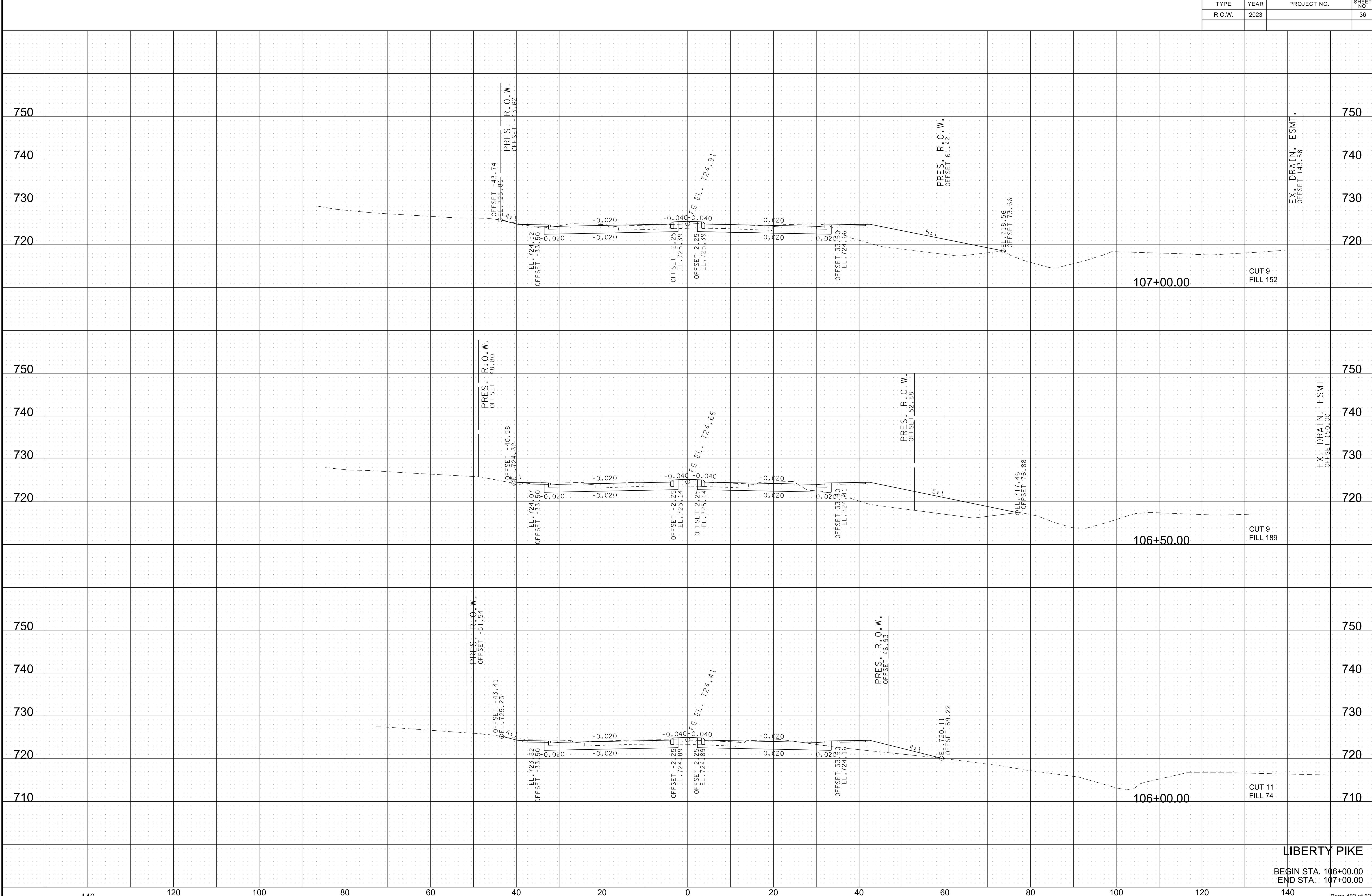


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TYPE	YEAR	PROJECT NO.		SHEET NO.
R.O.W.	2023			36

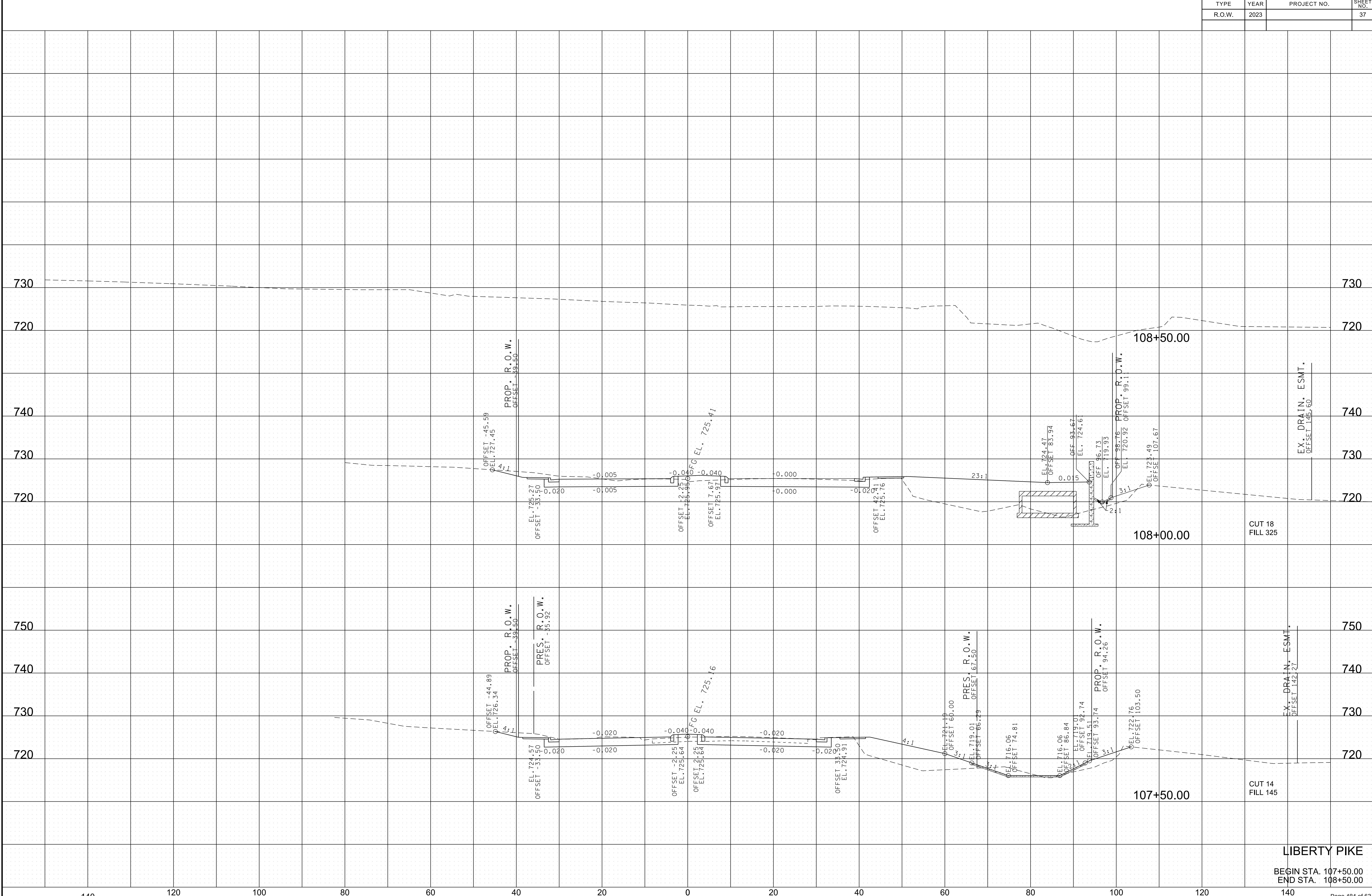


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TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2023		37

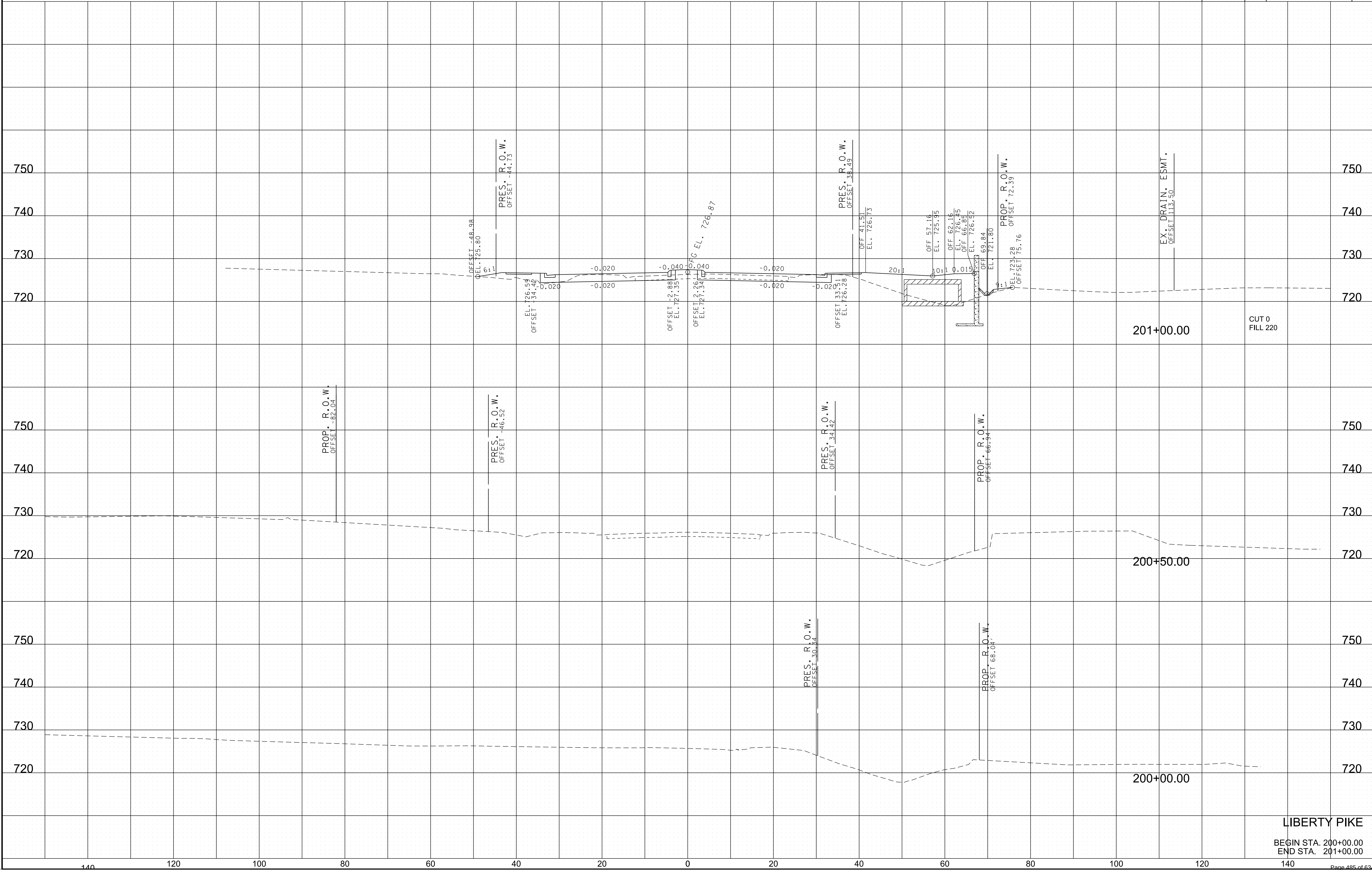


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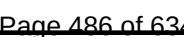
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TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2023		38

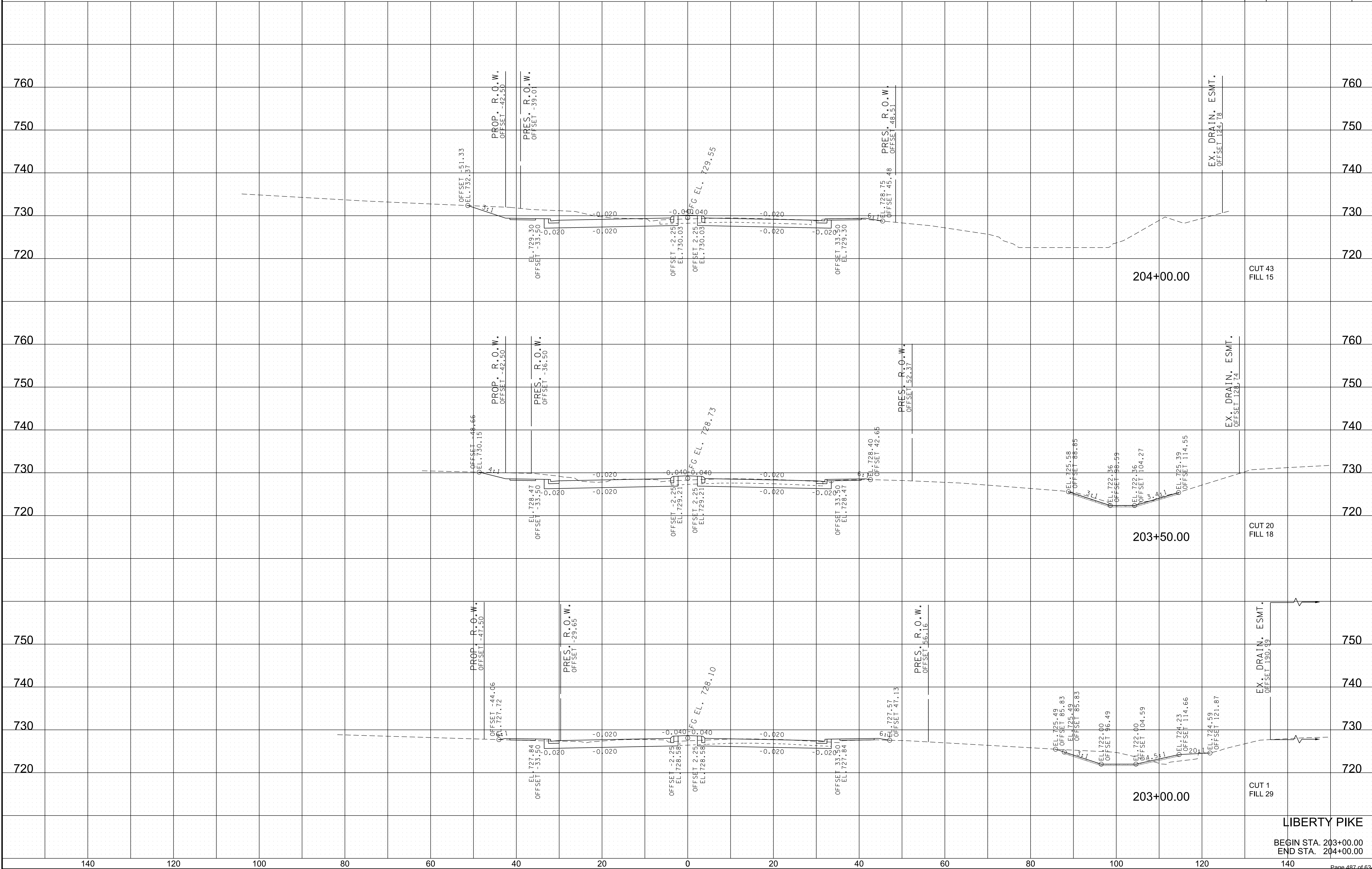


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TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2023		40

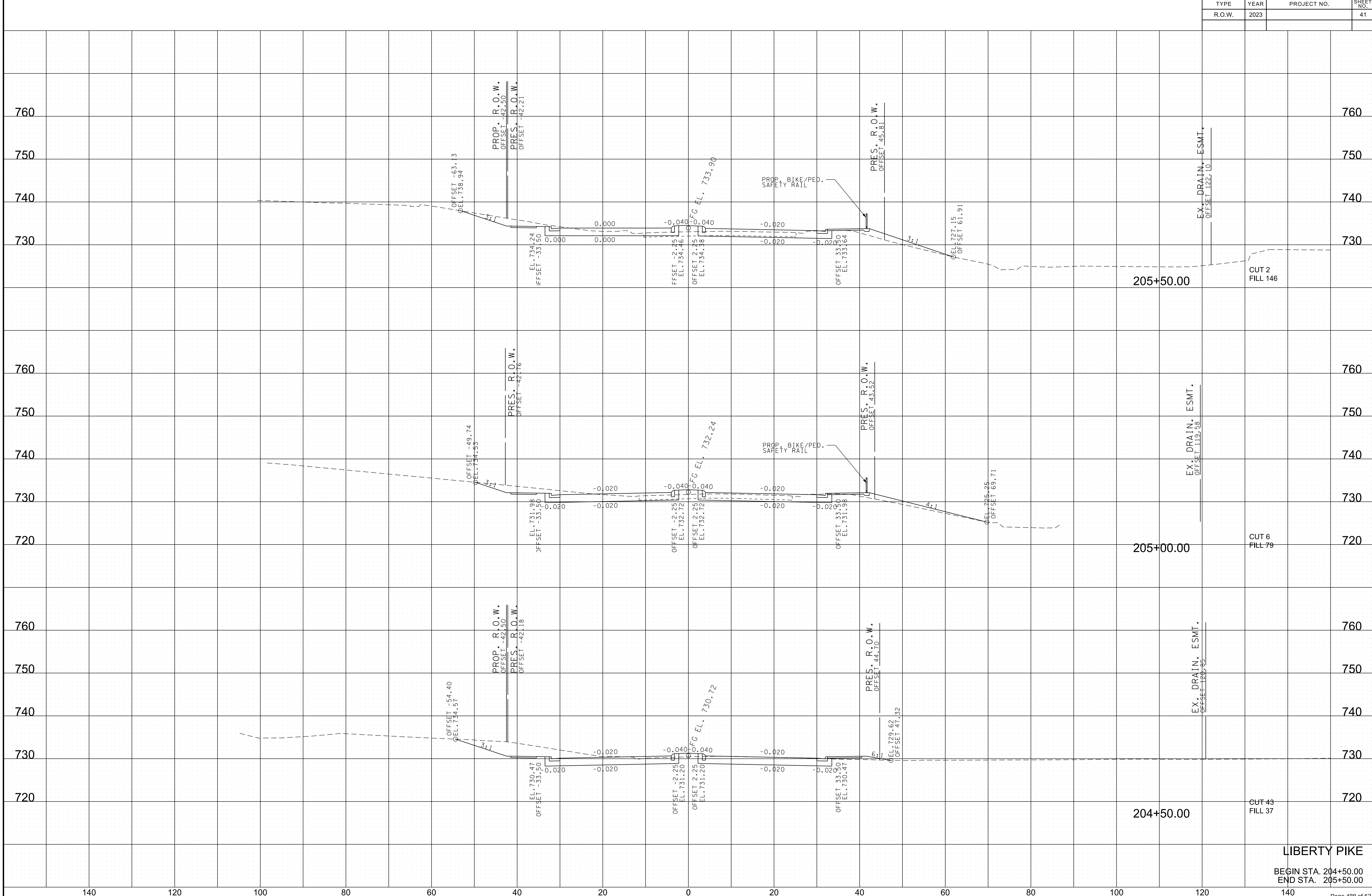


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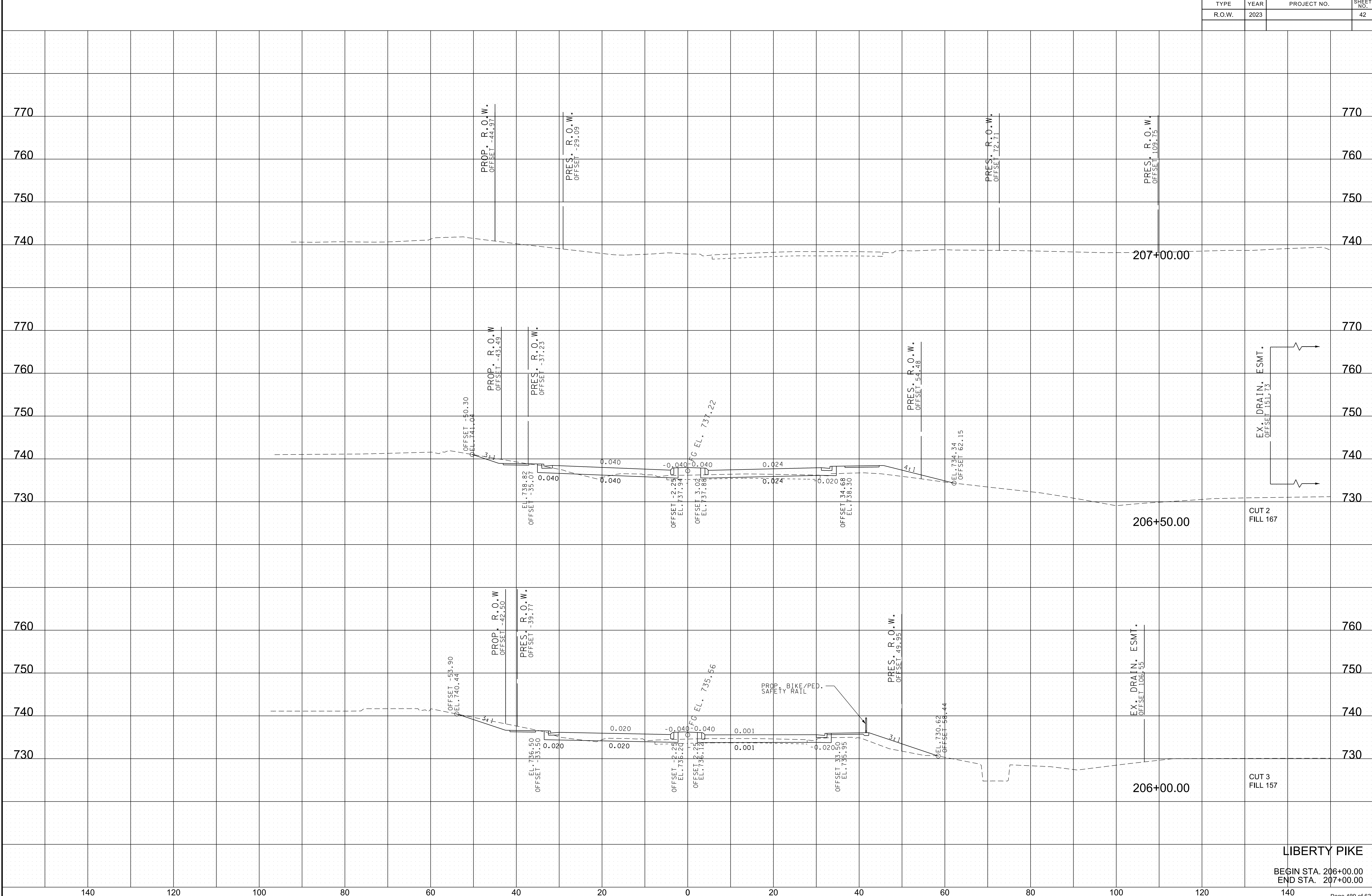


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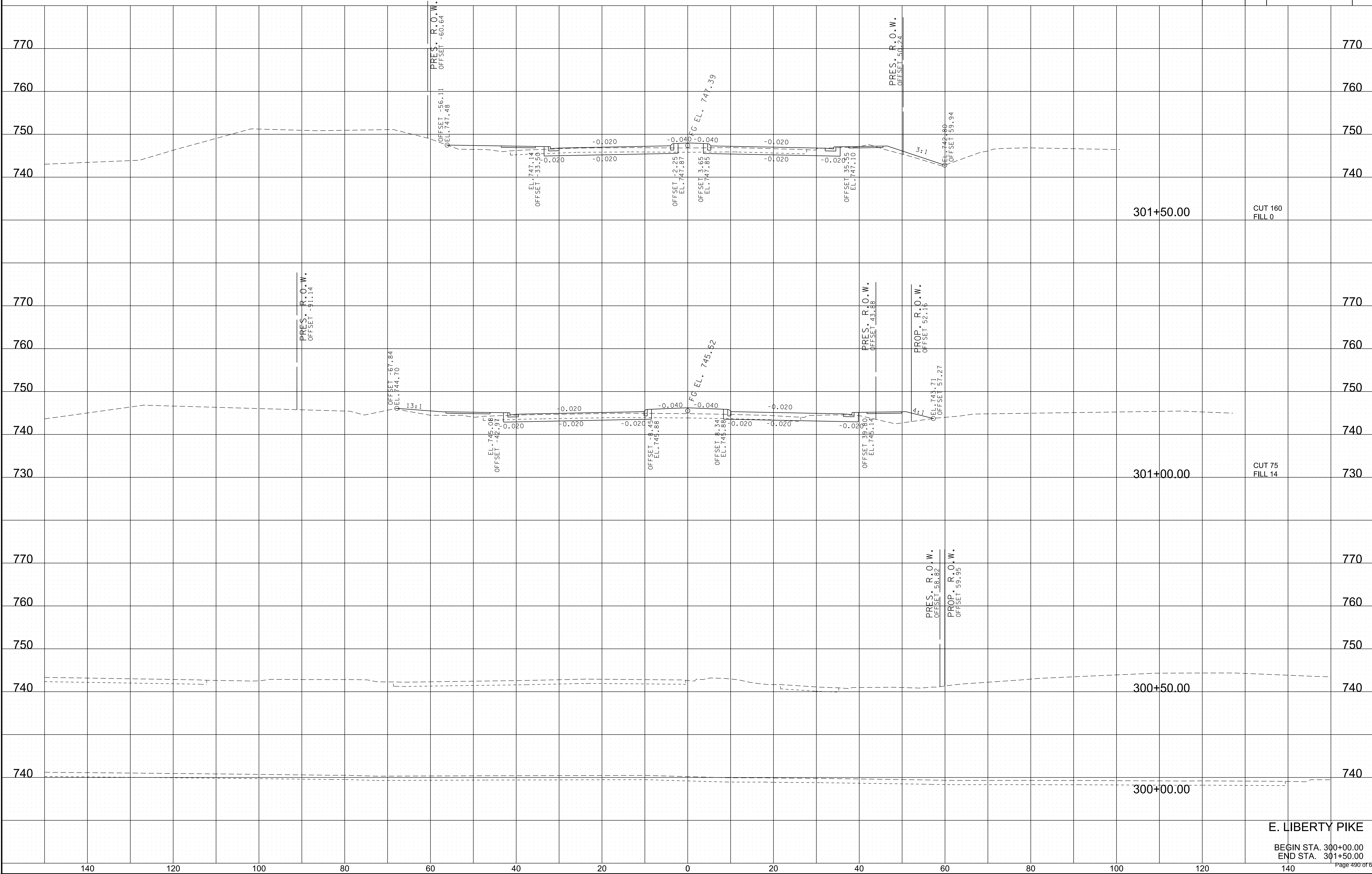
TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2023		42



LIBERTY PIKE
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TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2023		43

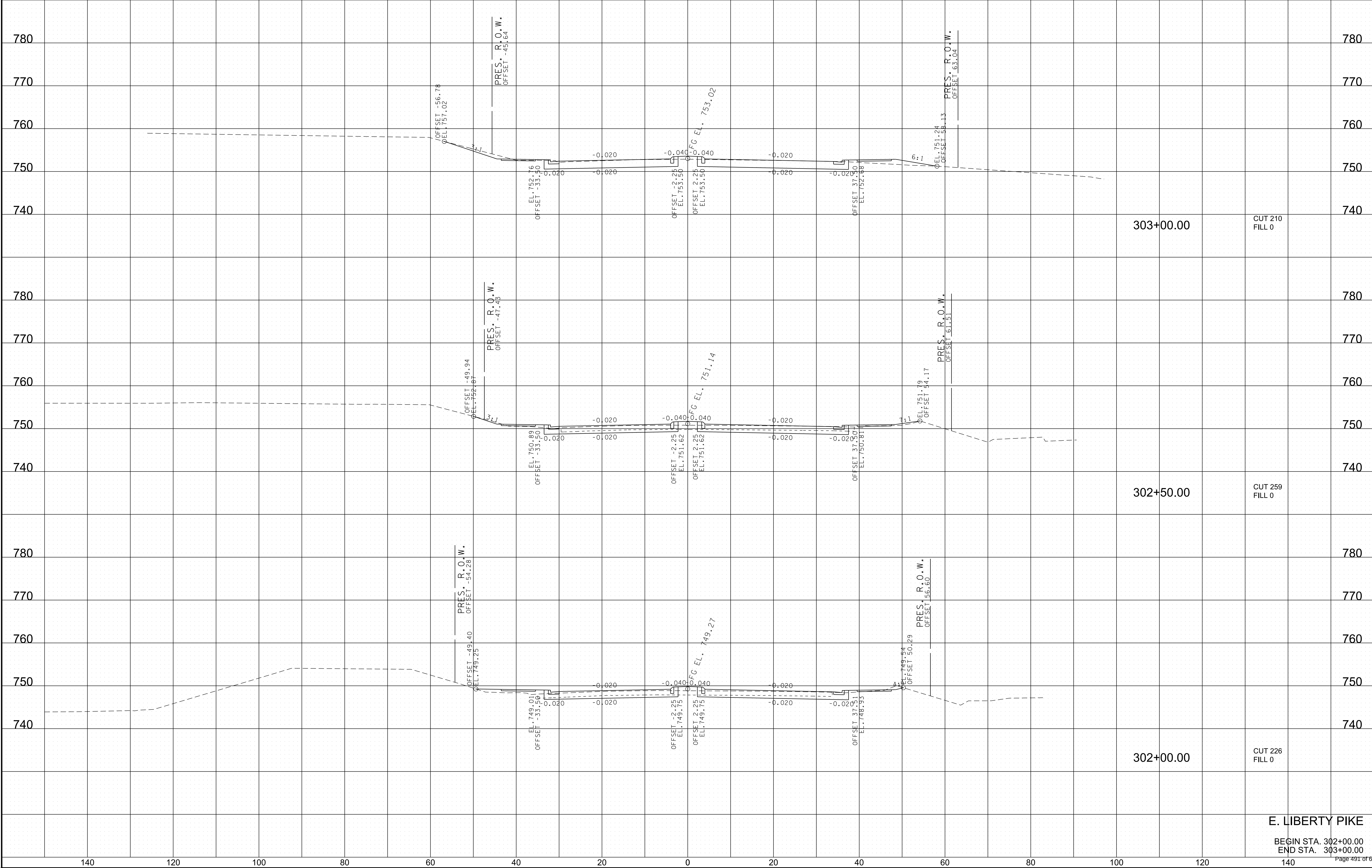


E. LIBERTY PIKE

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TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2023		44

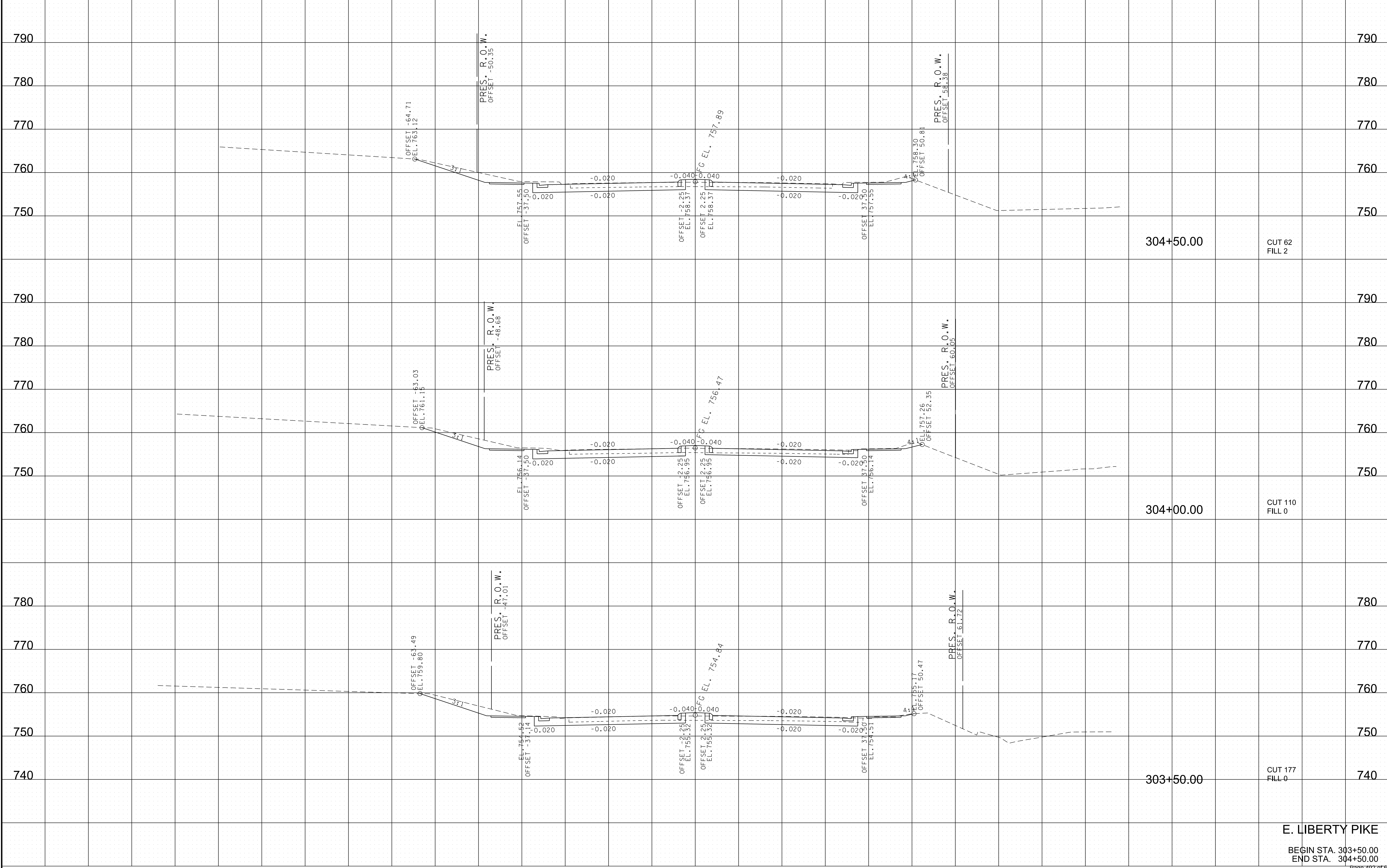


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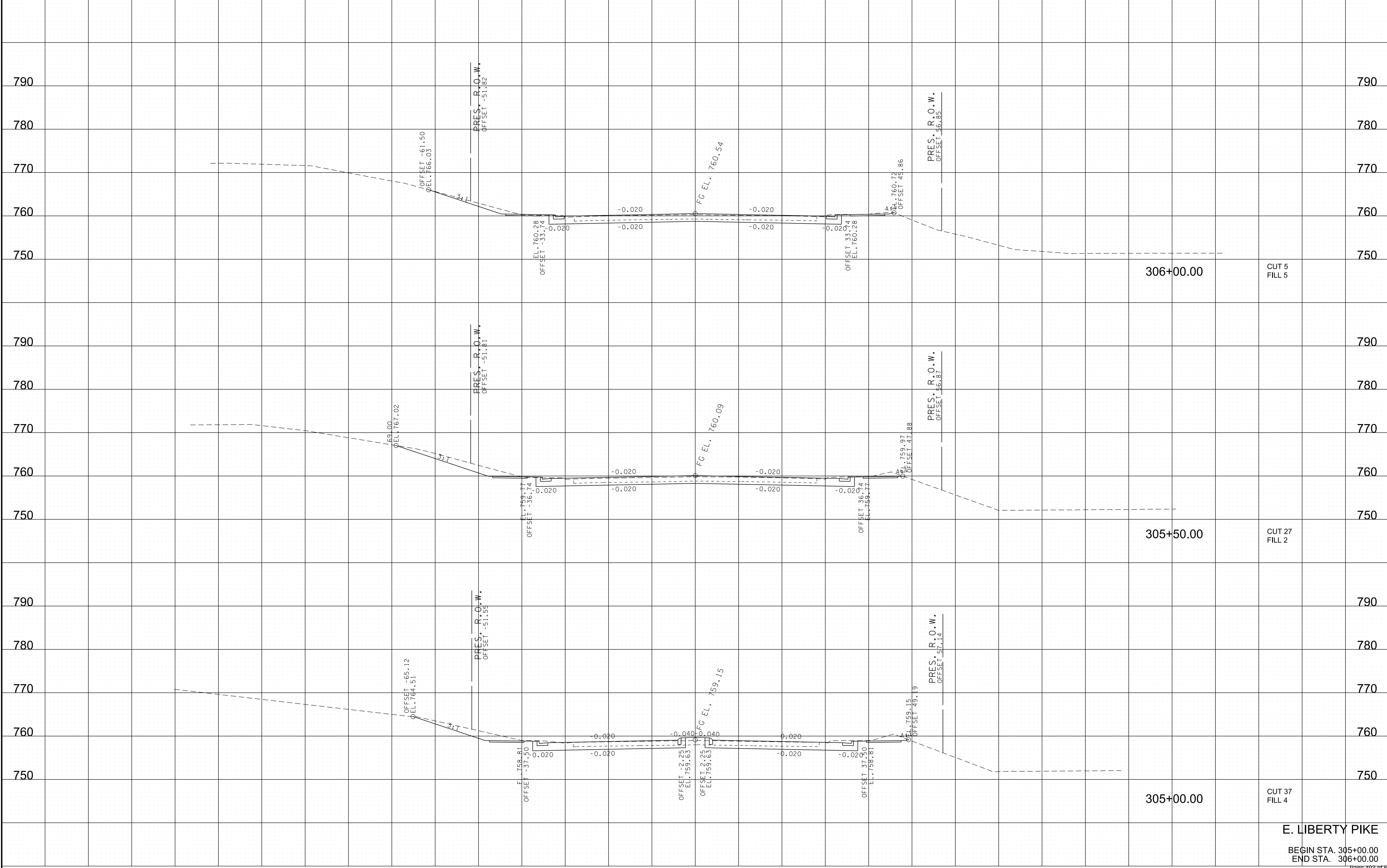
TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2023		45



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TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2023		46

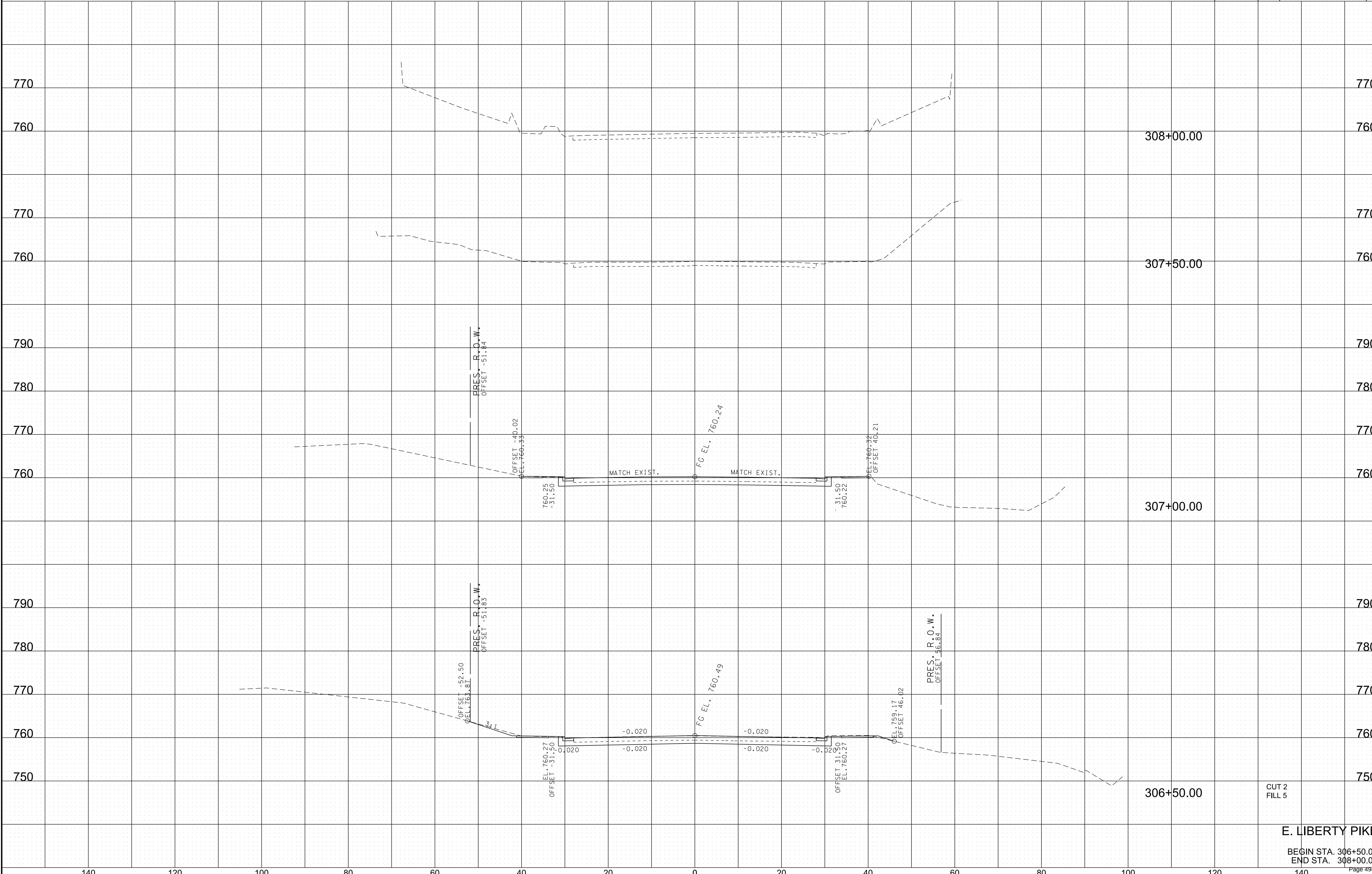


E. LIBERTY PIKE

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TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2023		47

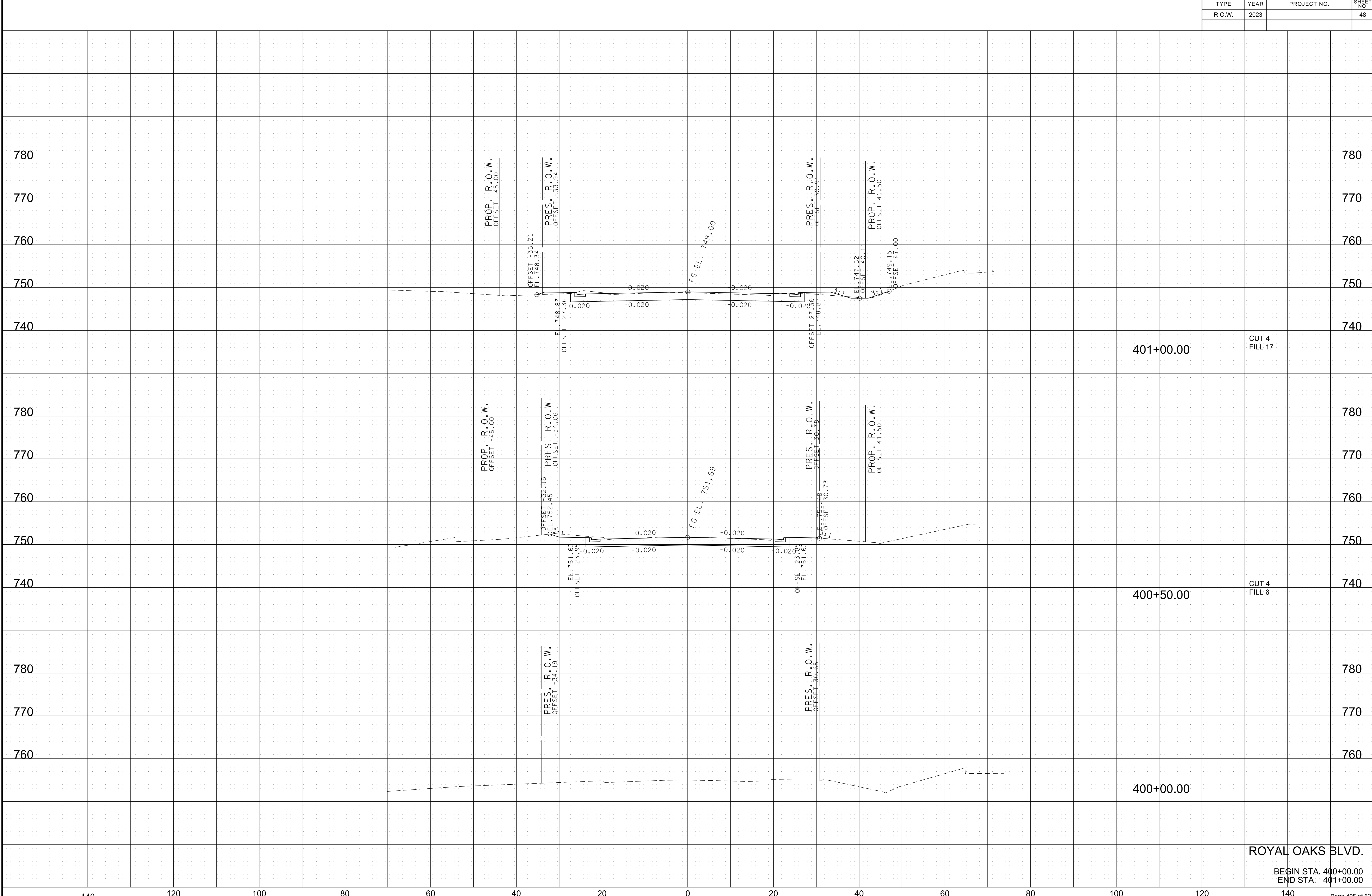


E. LIBERTY PIKE

BEGIN STA. 306+50.00
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TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2023		48

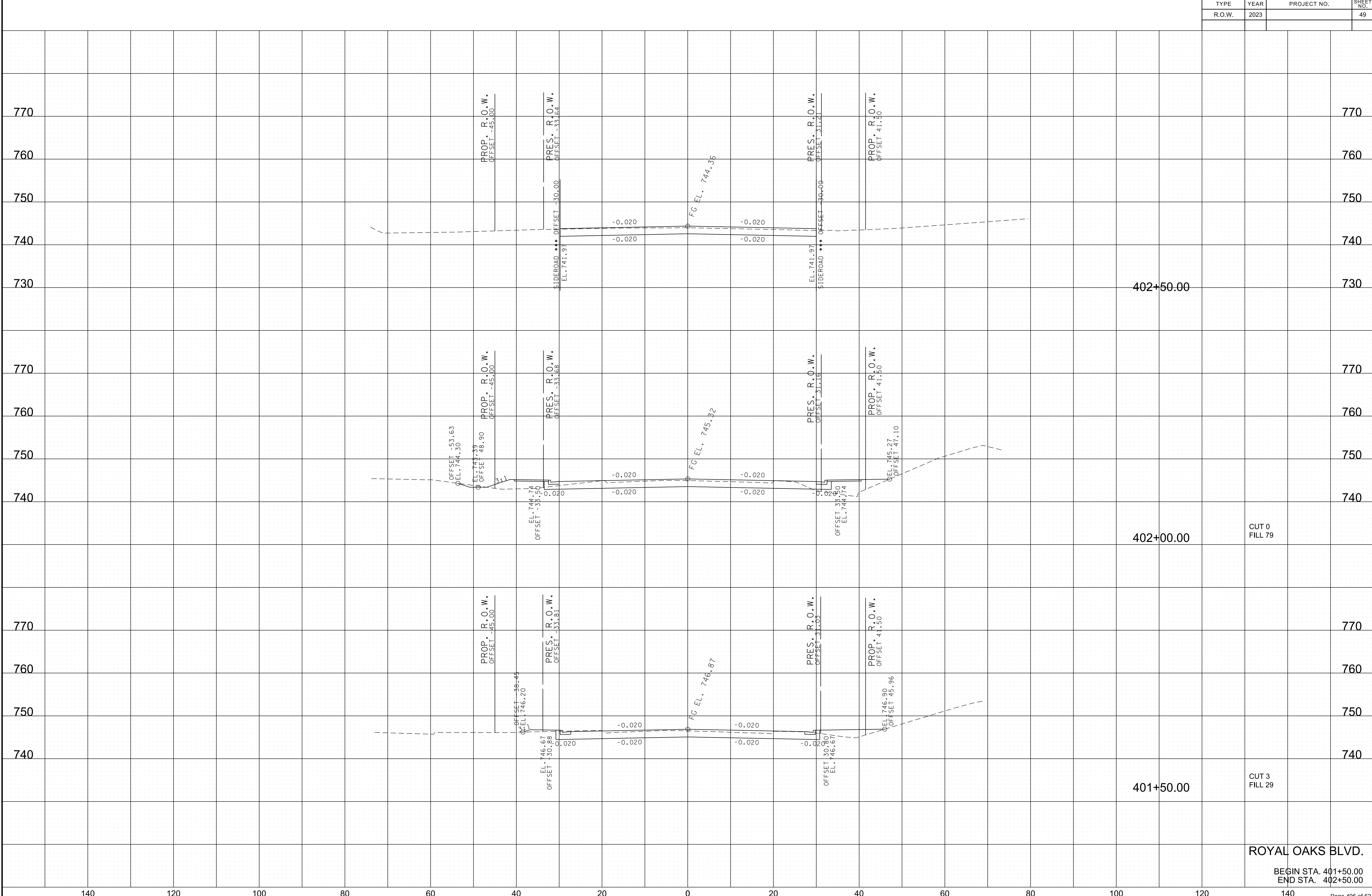


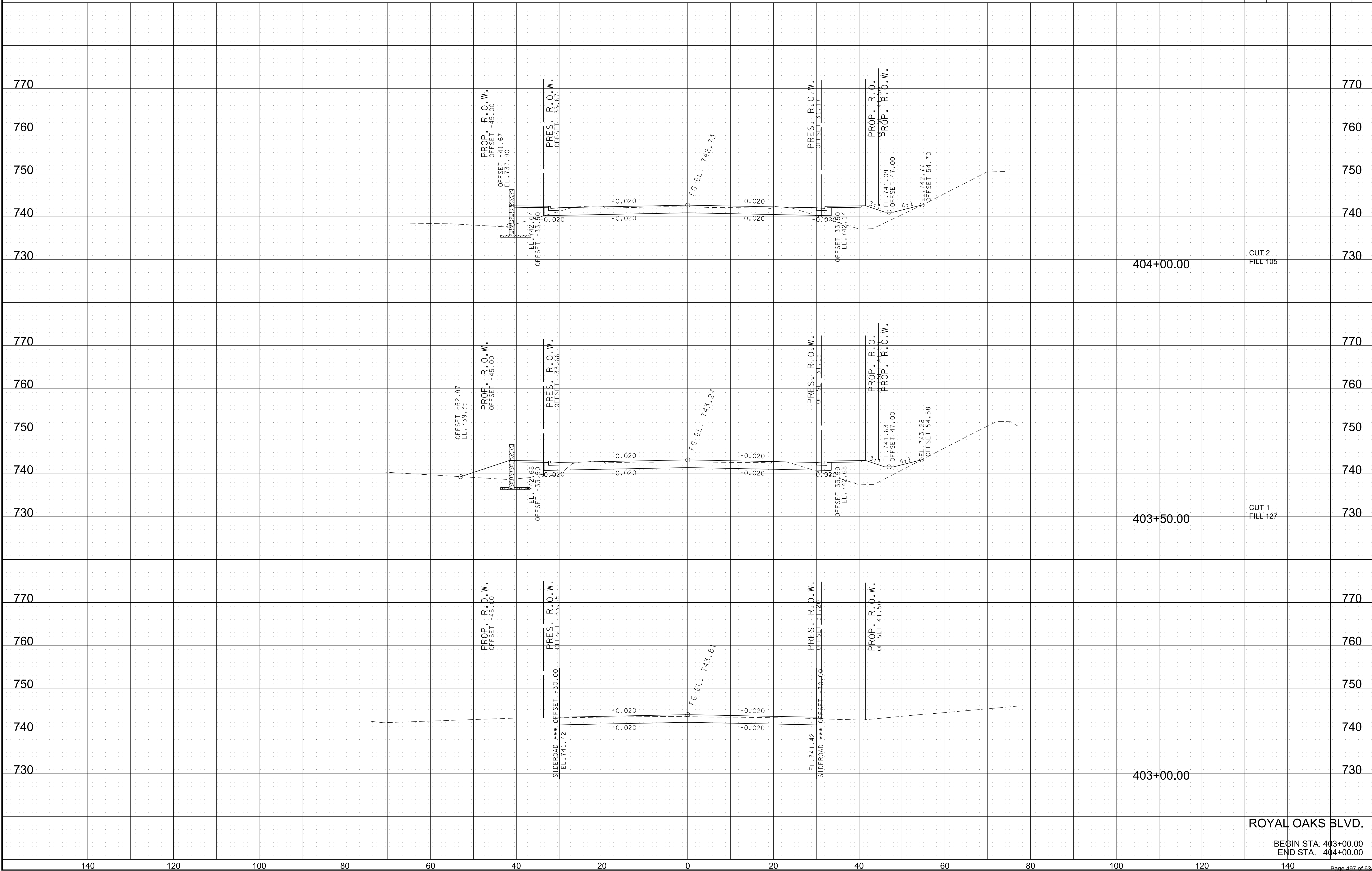
ROYAL OAKS BLVD.

BEGIN STA. 400+00.00
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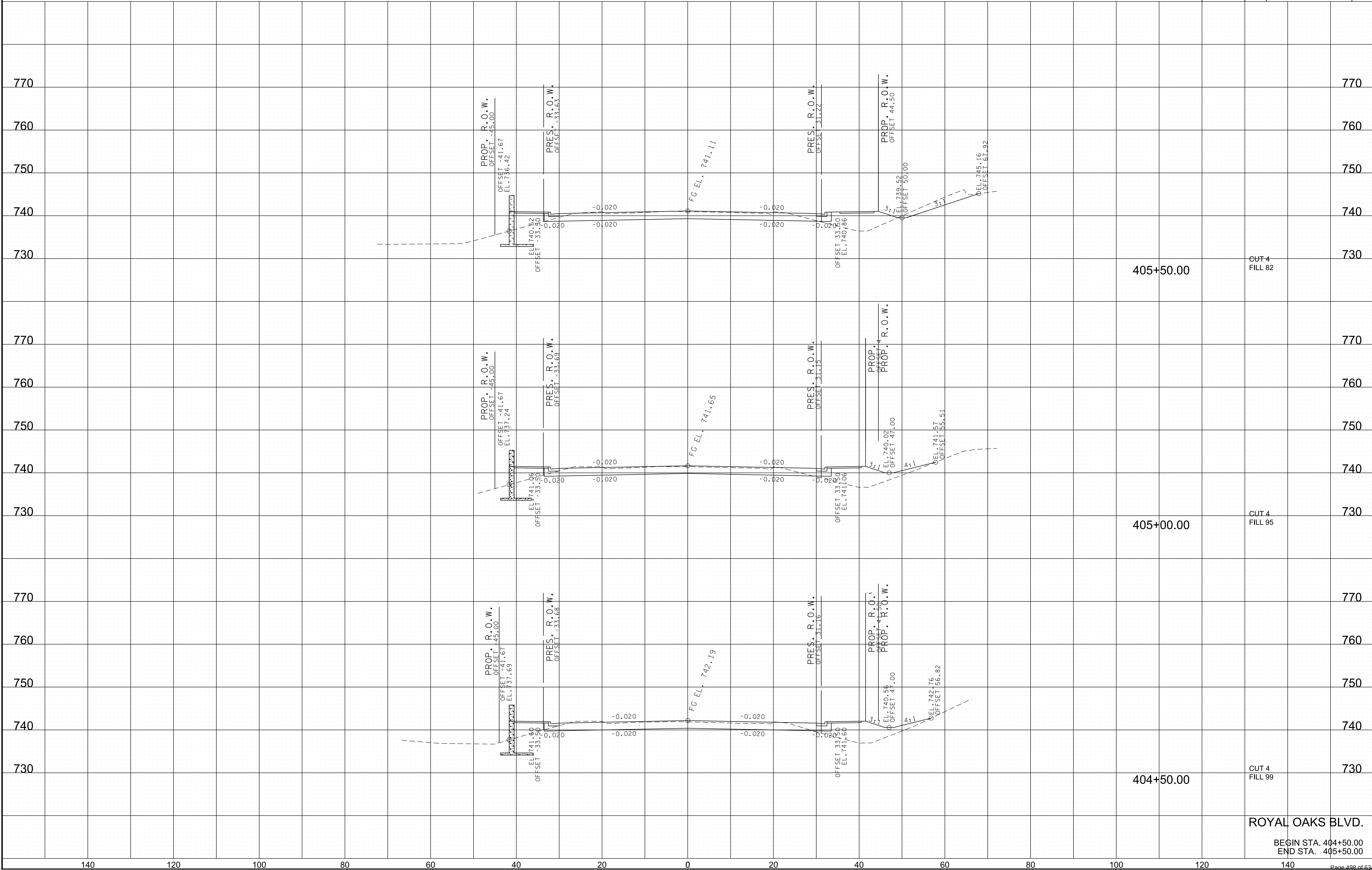
TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2023		49





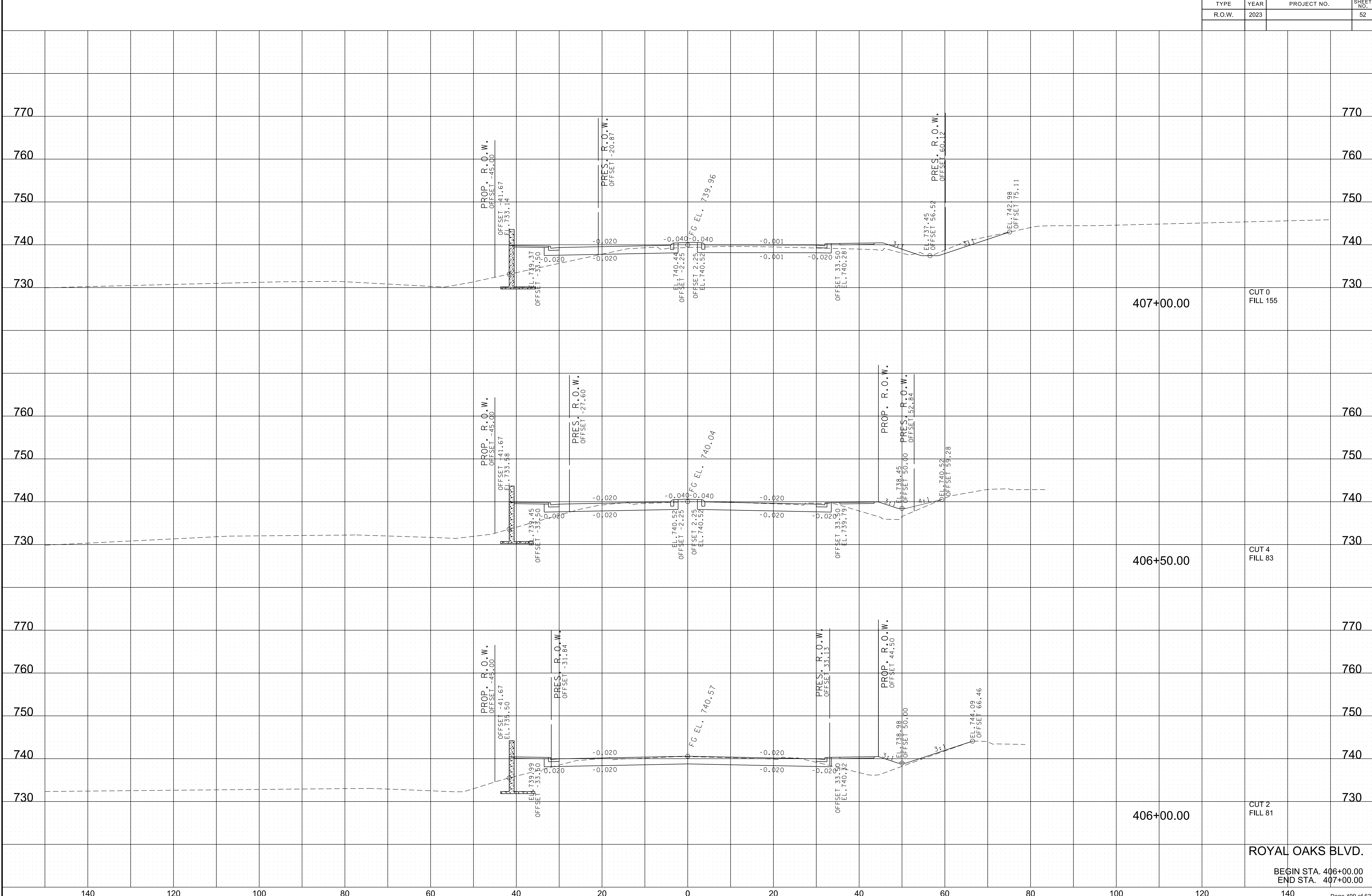
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TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2023		51



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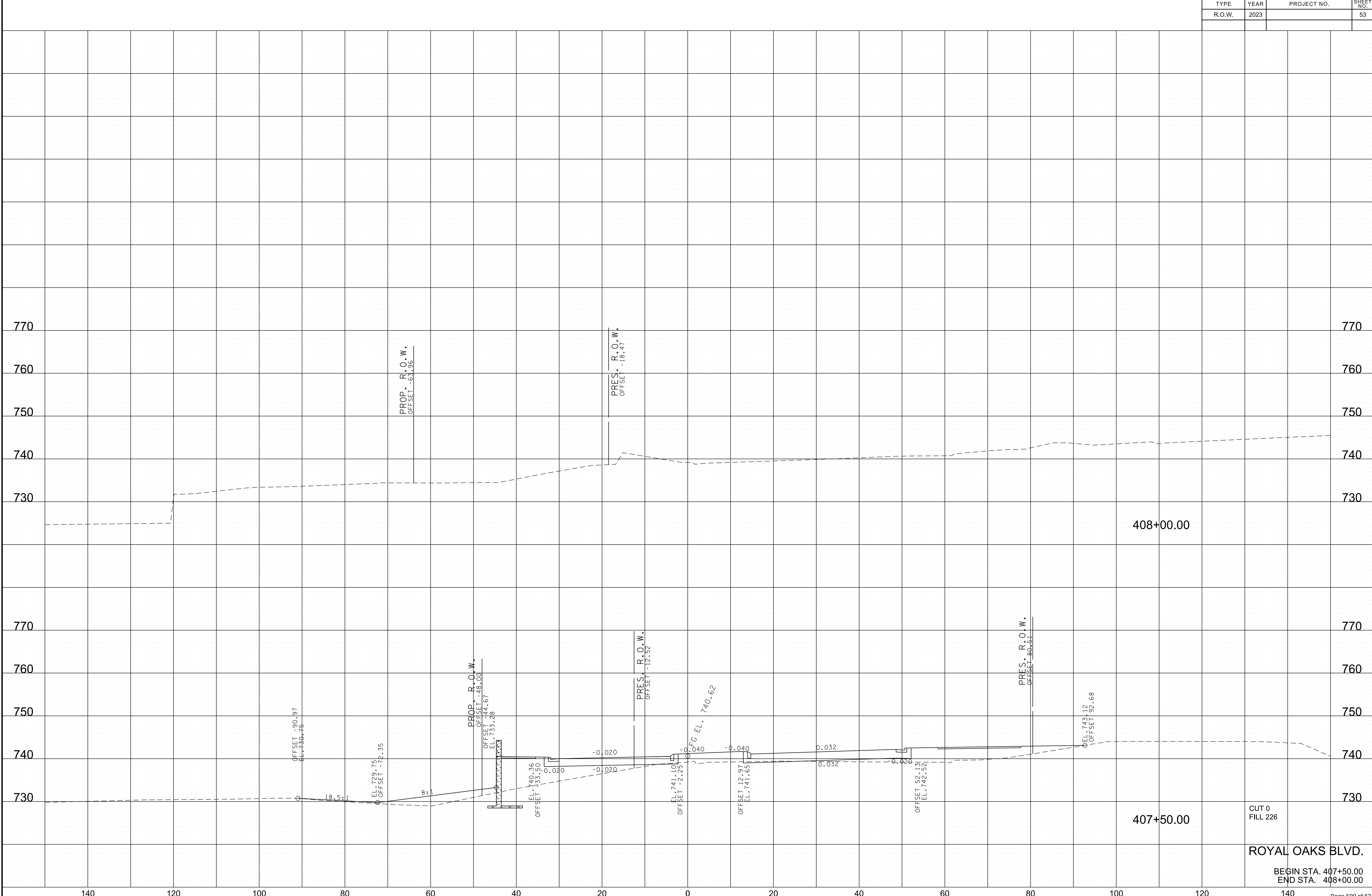
TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2023		52



ROYAL OAKS BLVD.
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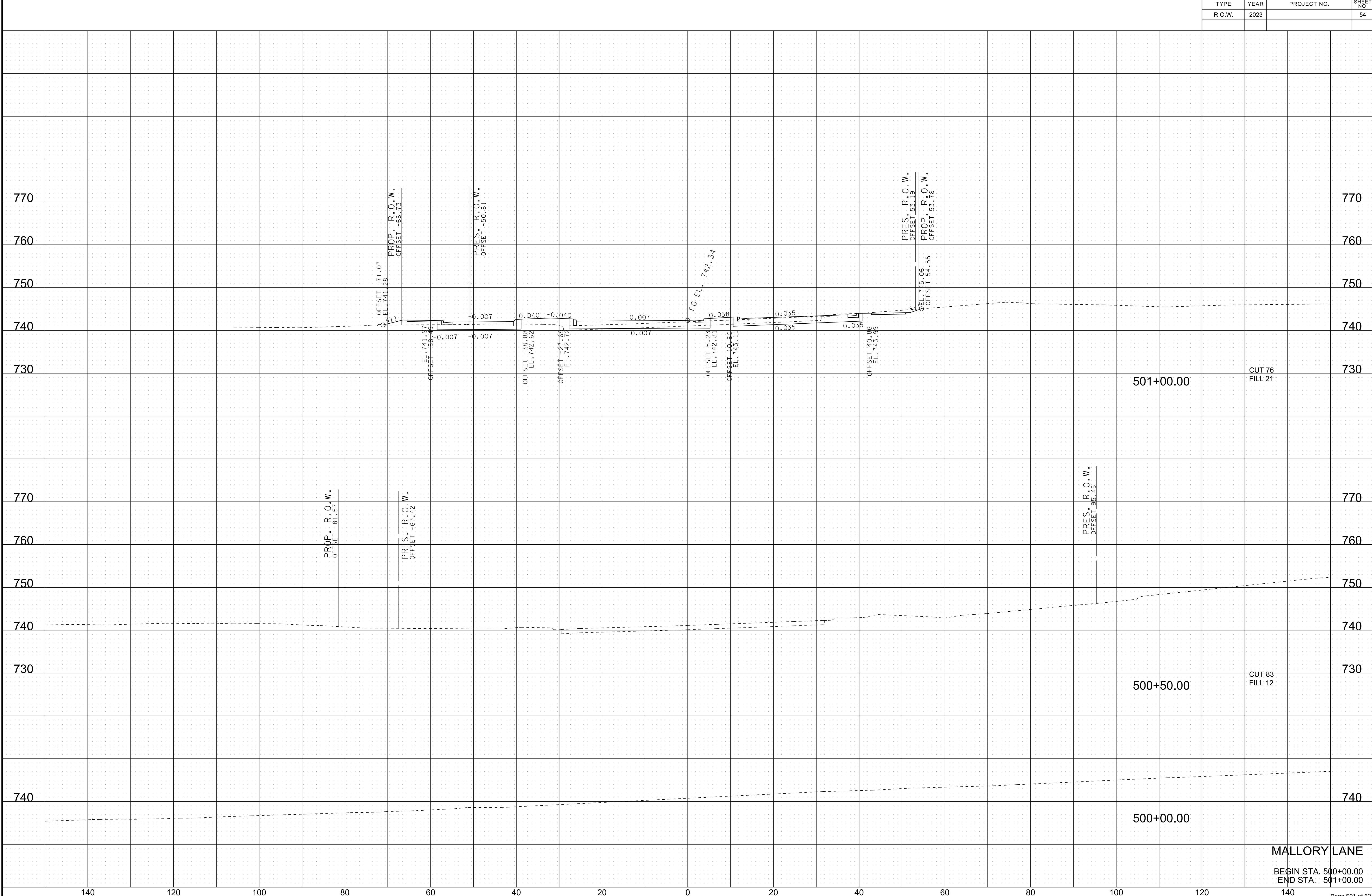
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TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2023		53



10/25/2023 1:02:39 PM
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TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2023		54

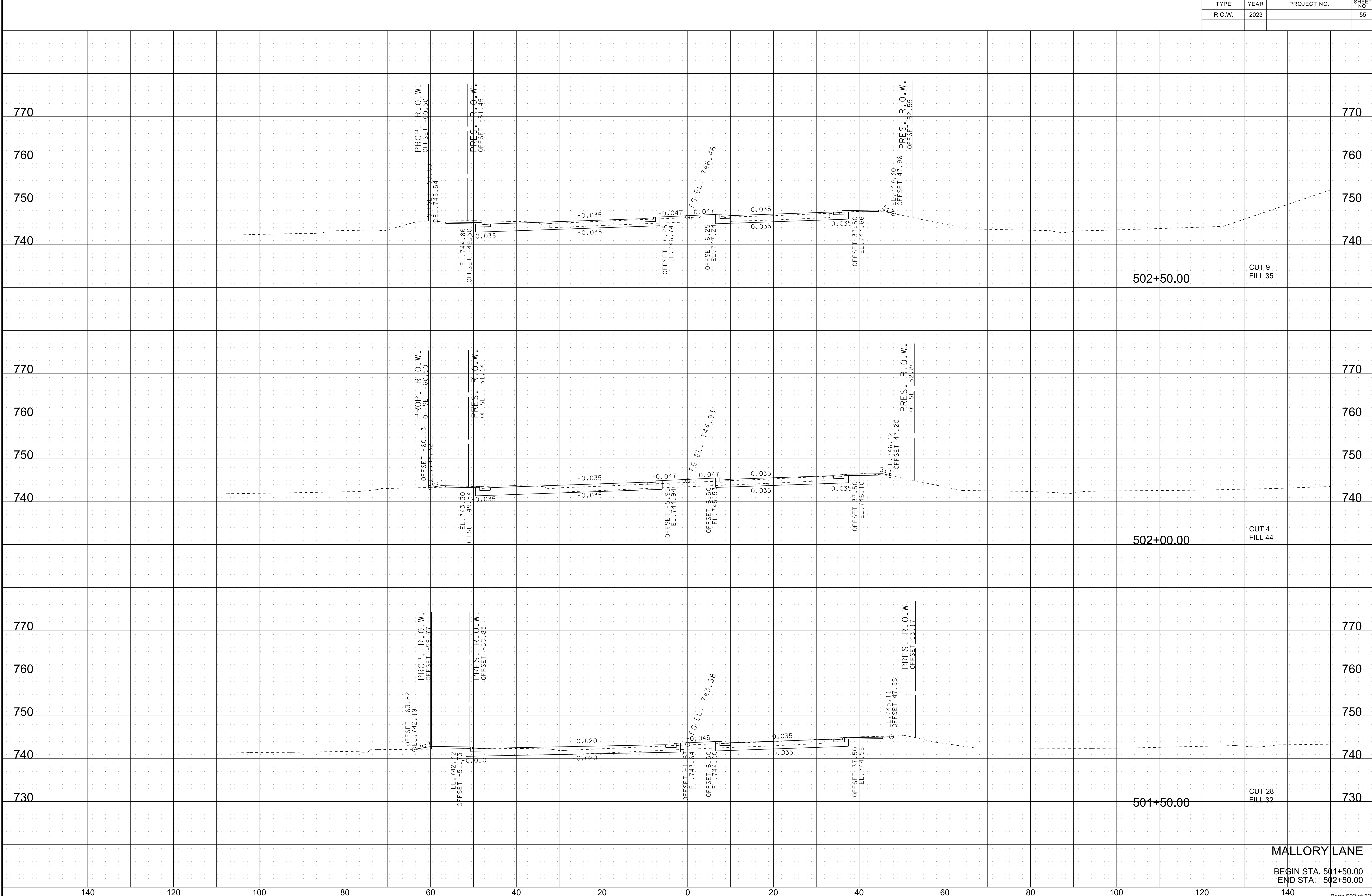


MALLORY LANE

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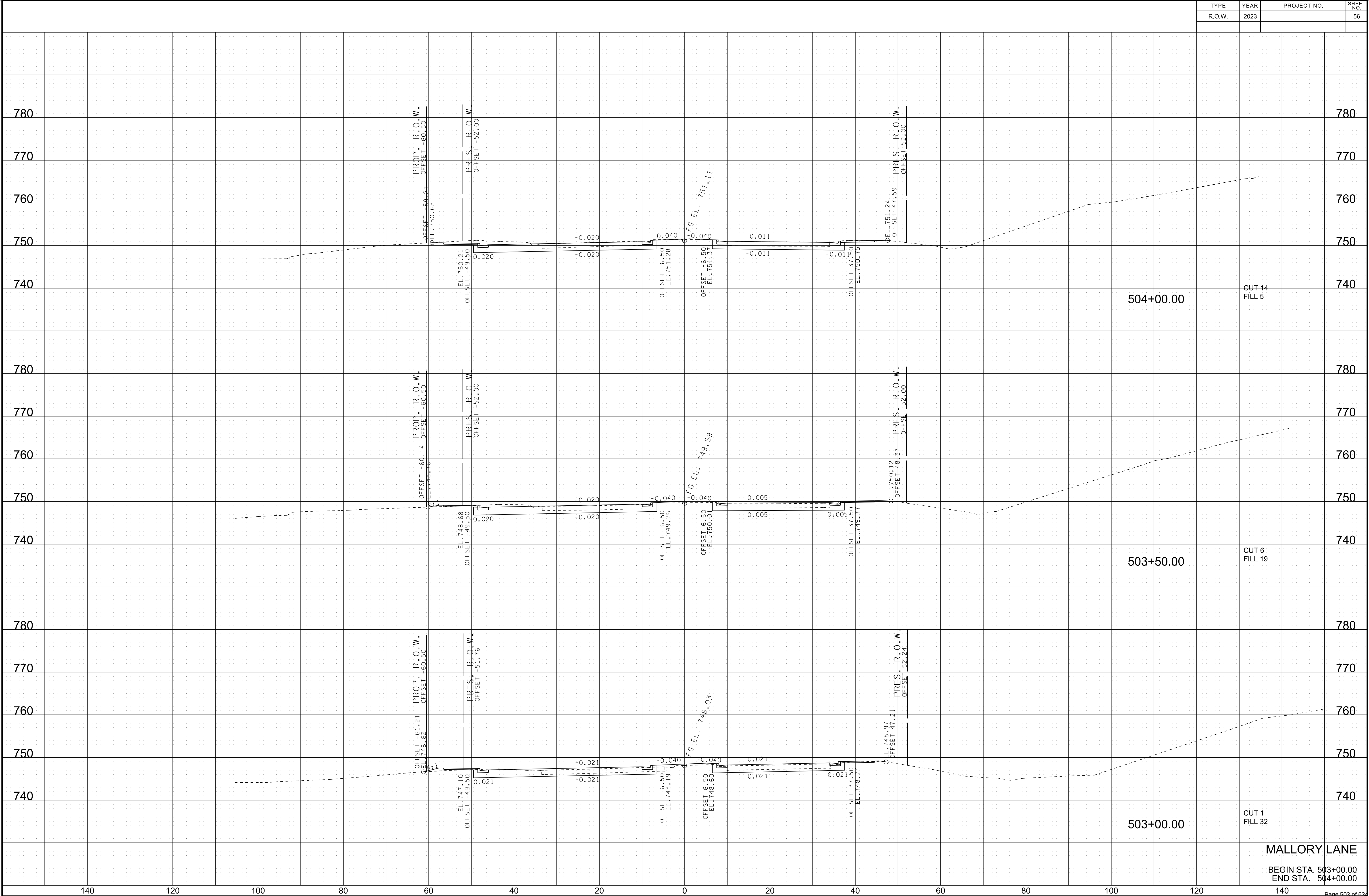
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TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2023		55



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TYPE	YEAR	PROJECT NO.		SHEET NO.
R.O.W.	2023			56

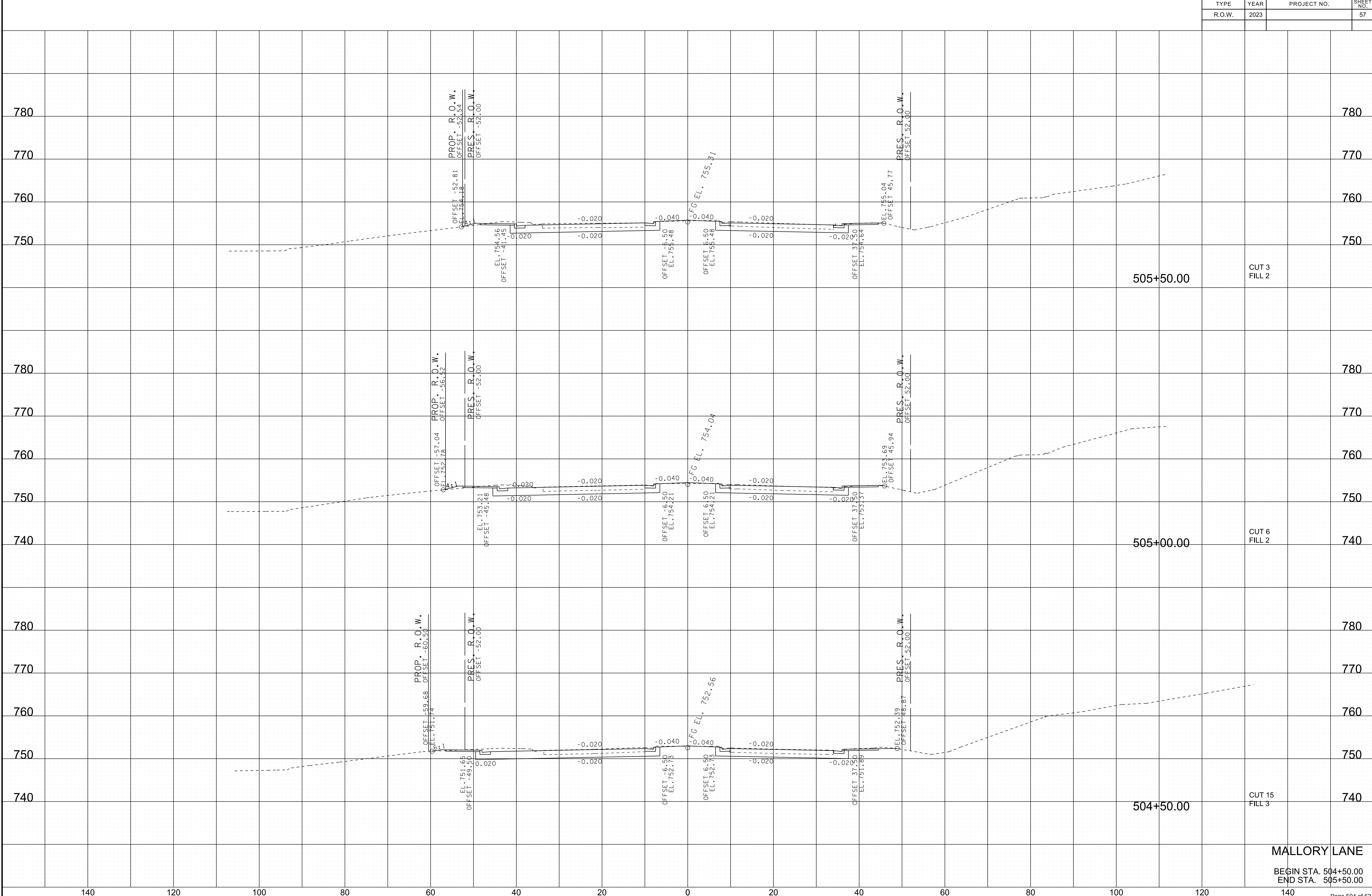


MALLORY LANE

BEGIN STA. 503+00.00
END STA. 504+00.00

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TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2023		57

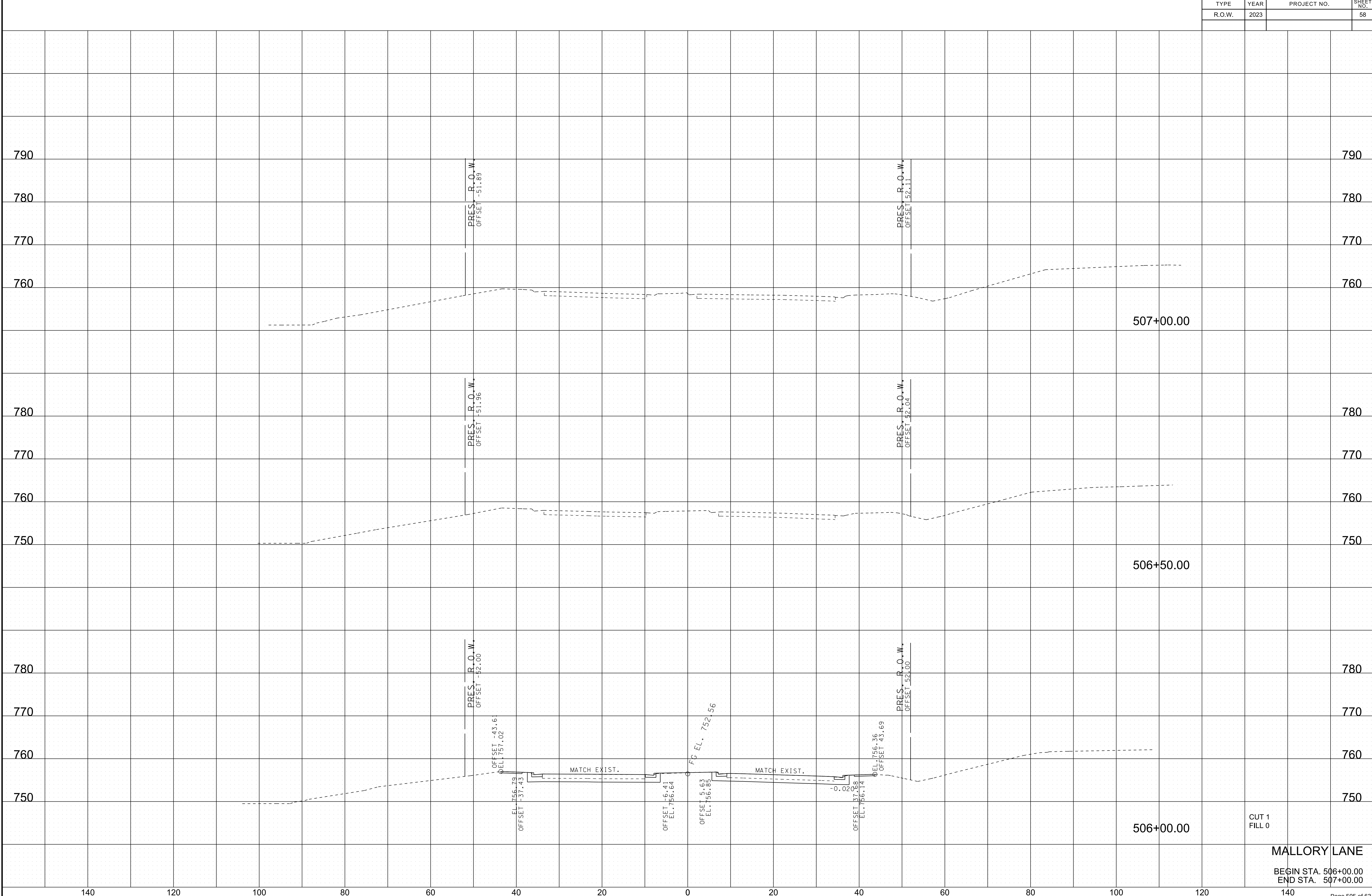


MALLORY LANE

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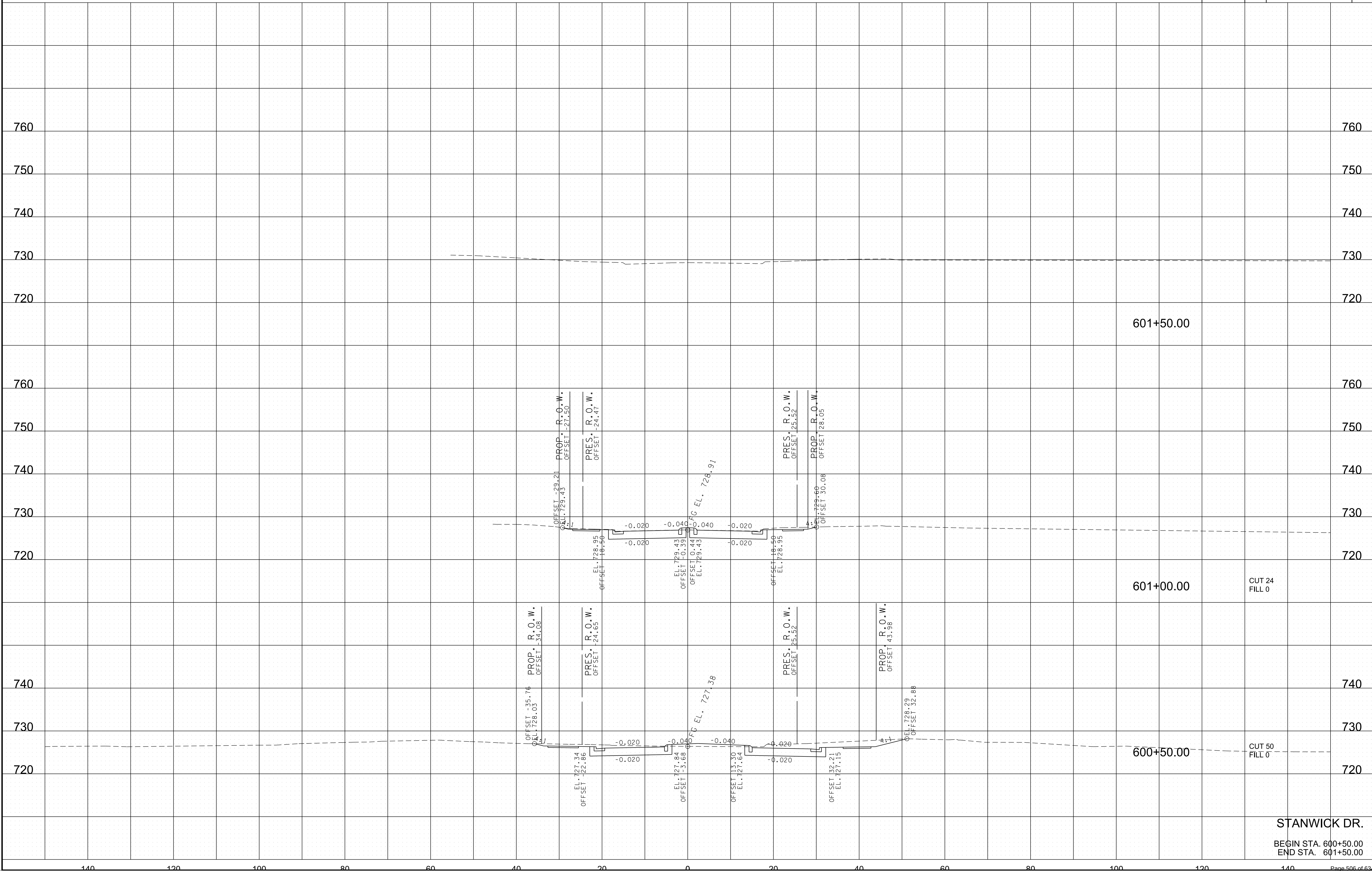
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TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2023		58



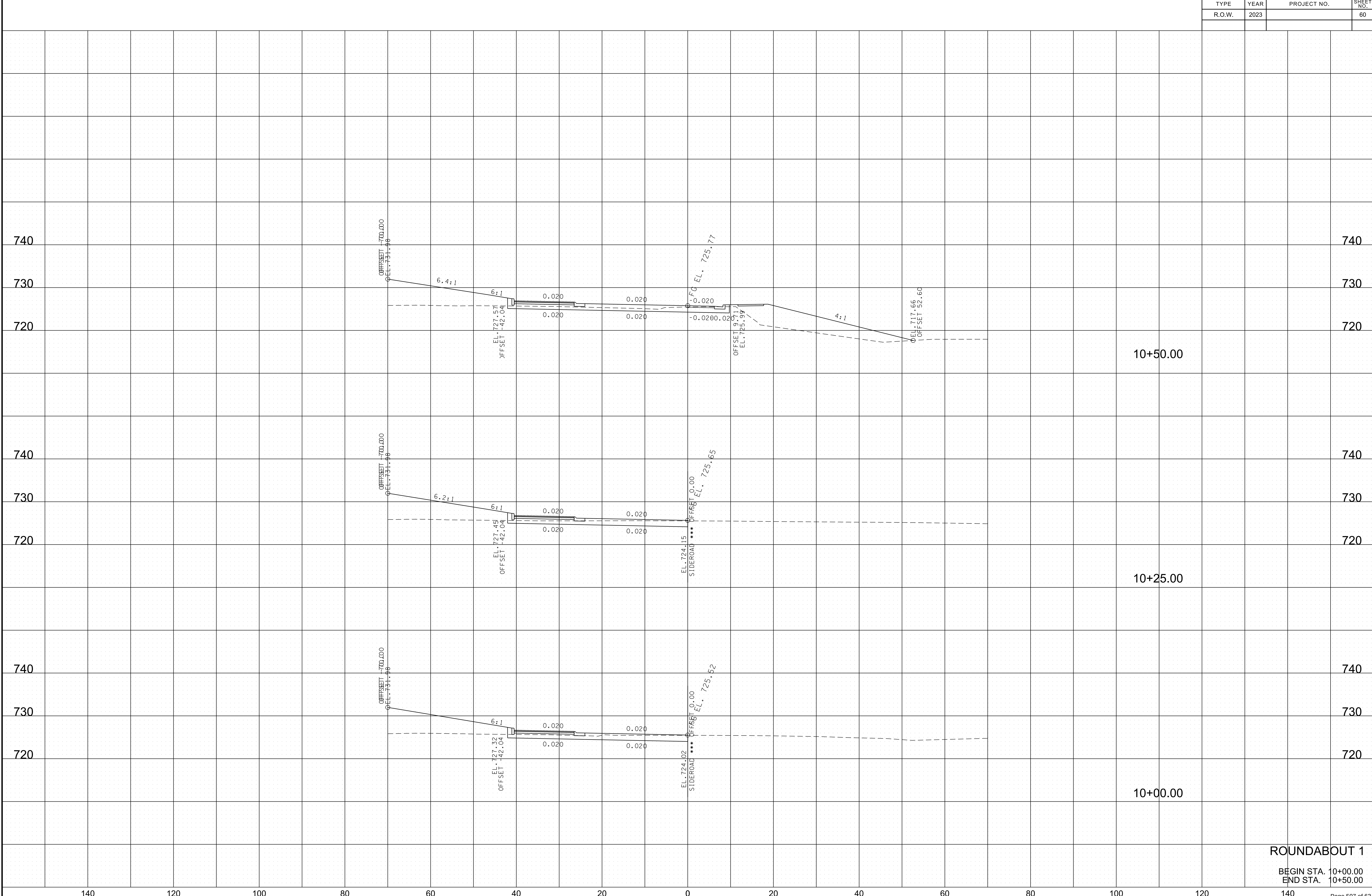
MALLORY LANE
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END STA. 507+00.00

CUT 1
FILL 0



10/25/2023 1:03:20 PM
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TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2023		60

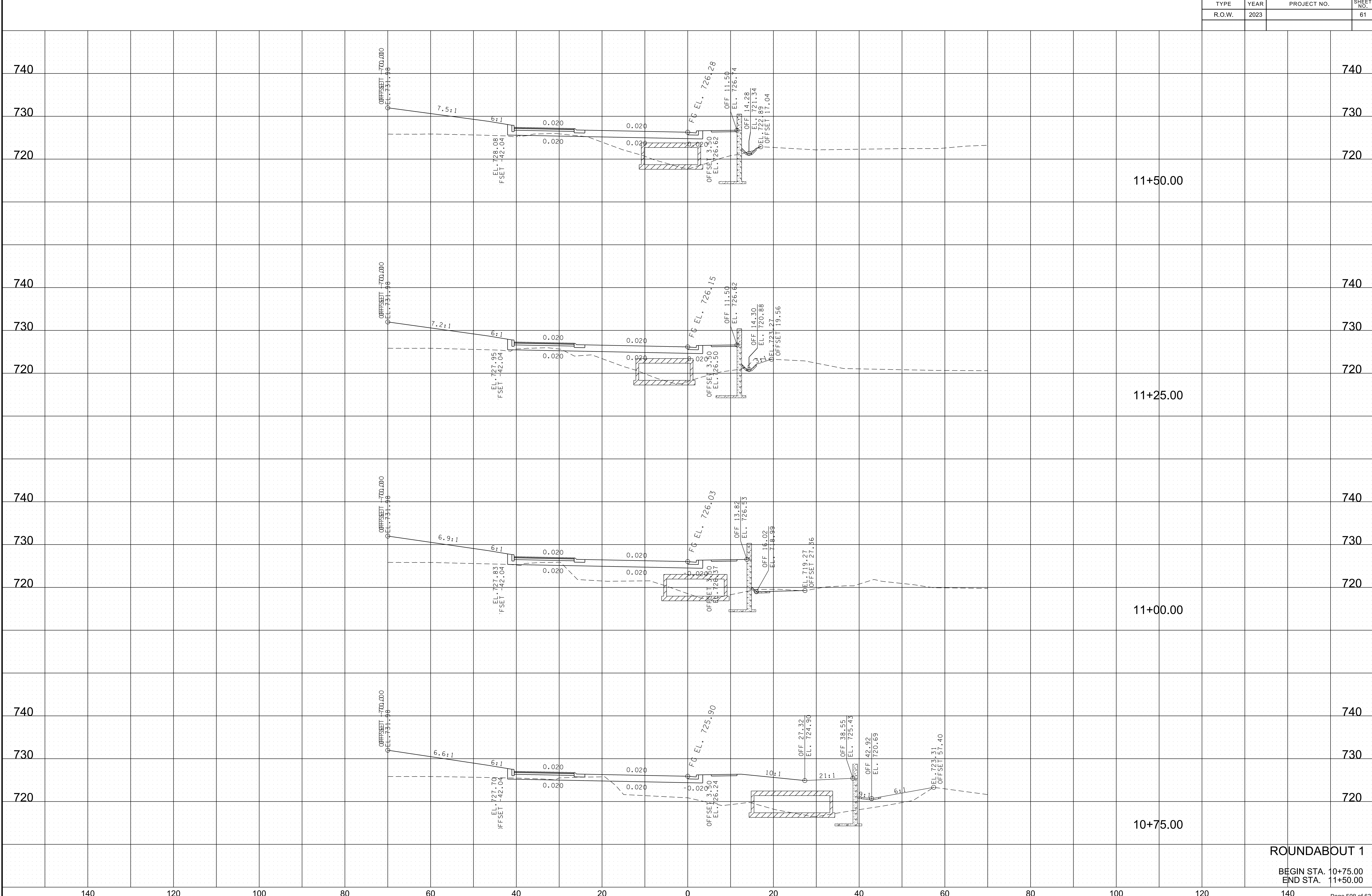


ROUNDAABOUT 1

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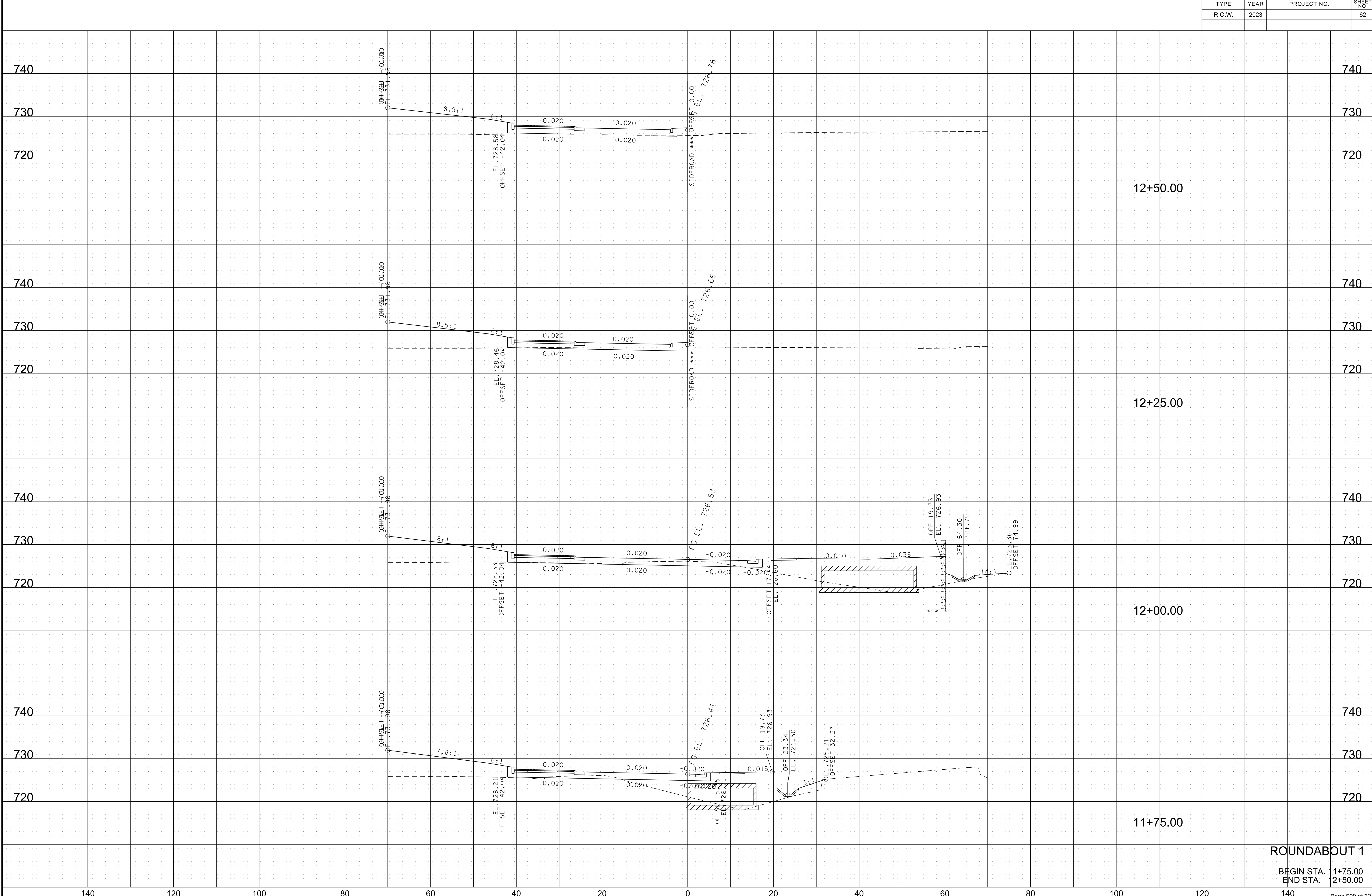
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TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2023		61



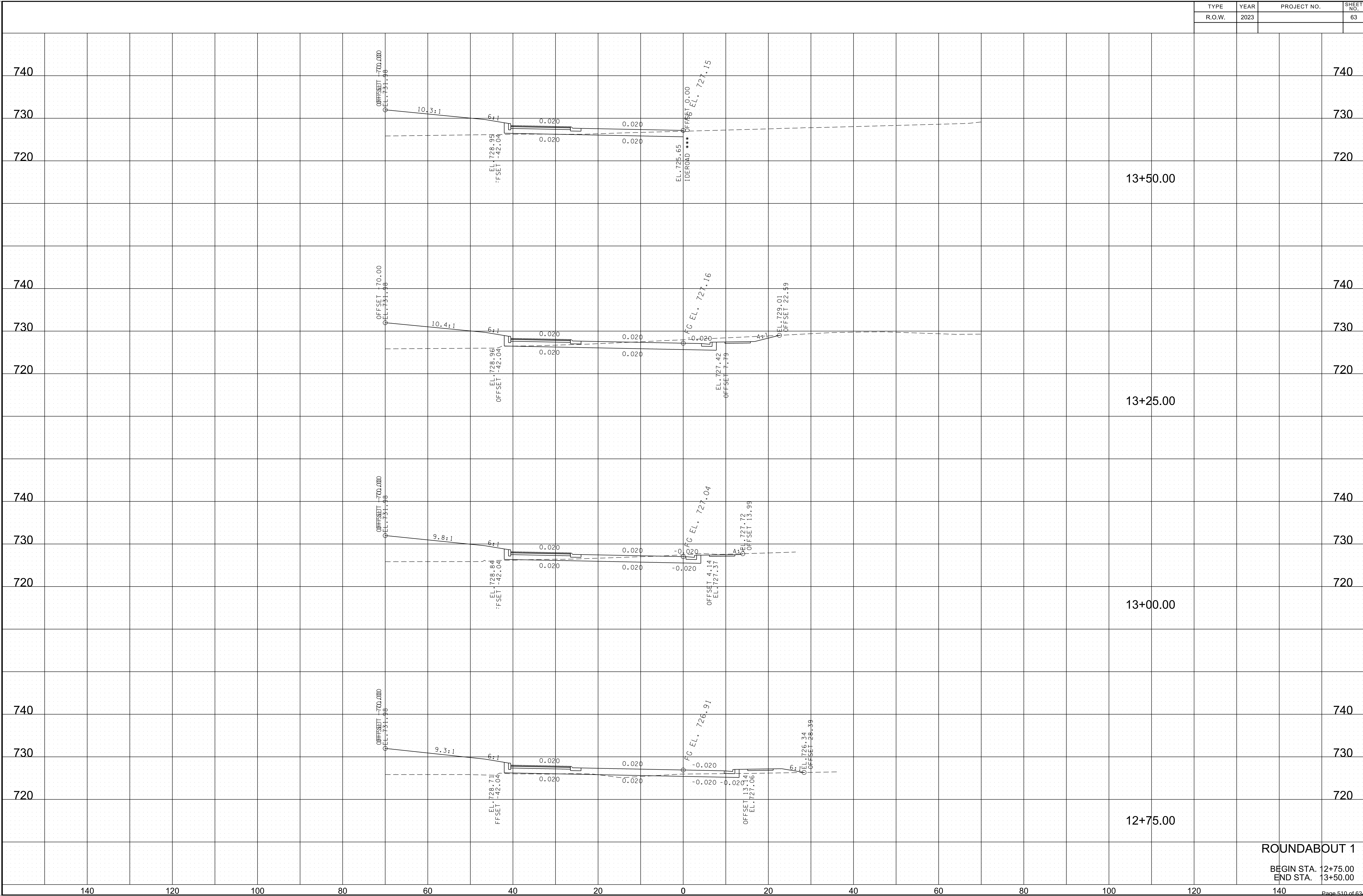
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TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2023		62



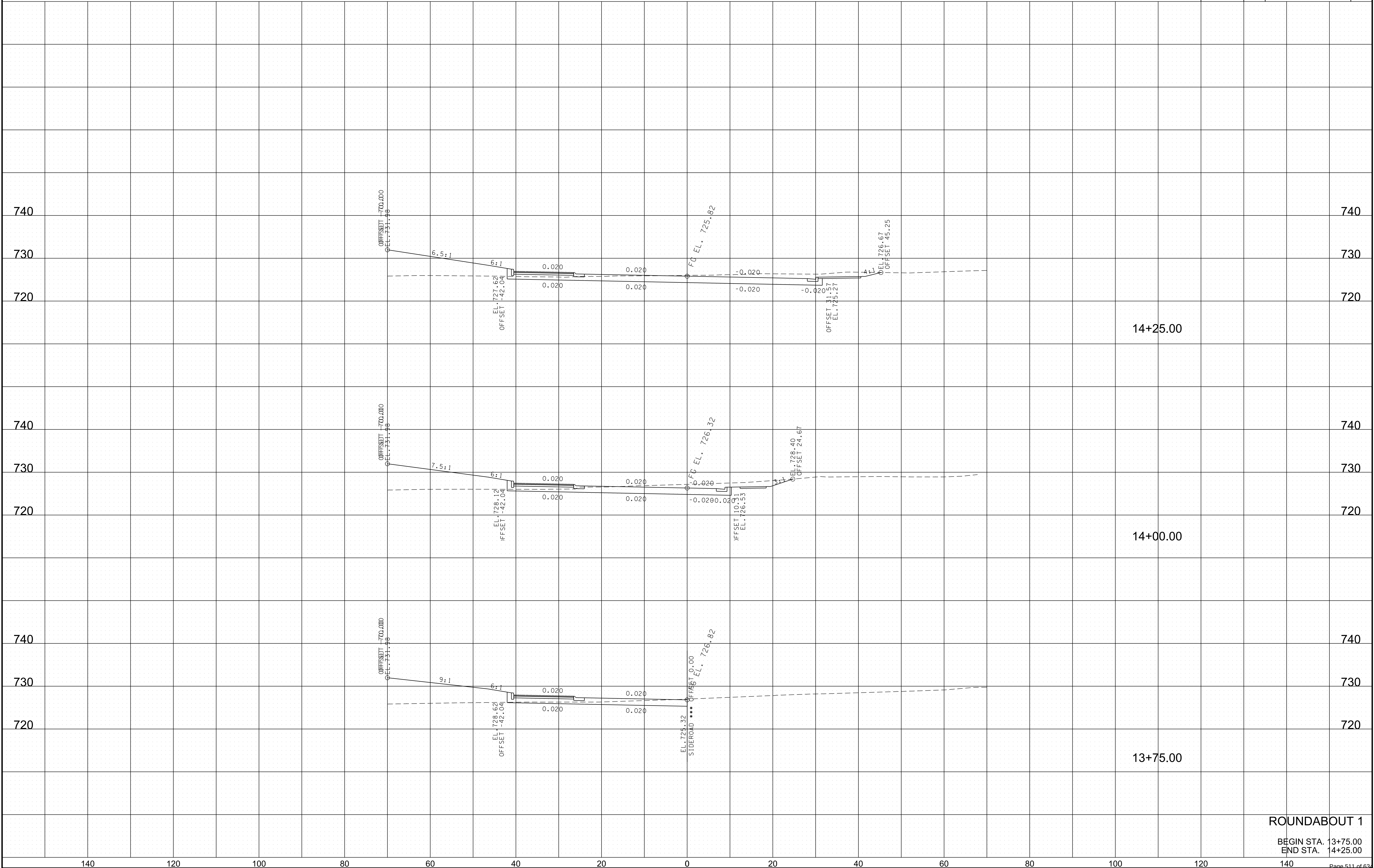
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TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2023		63



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TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2023		64

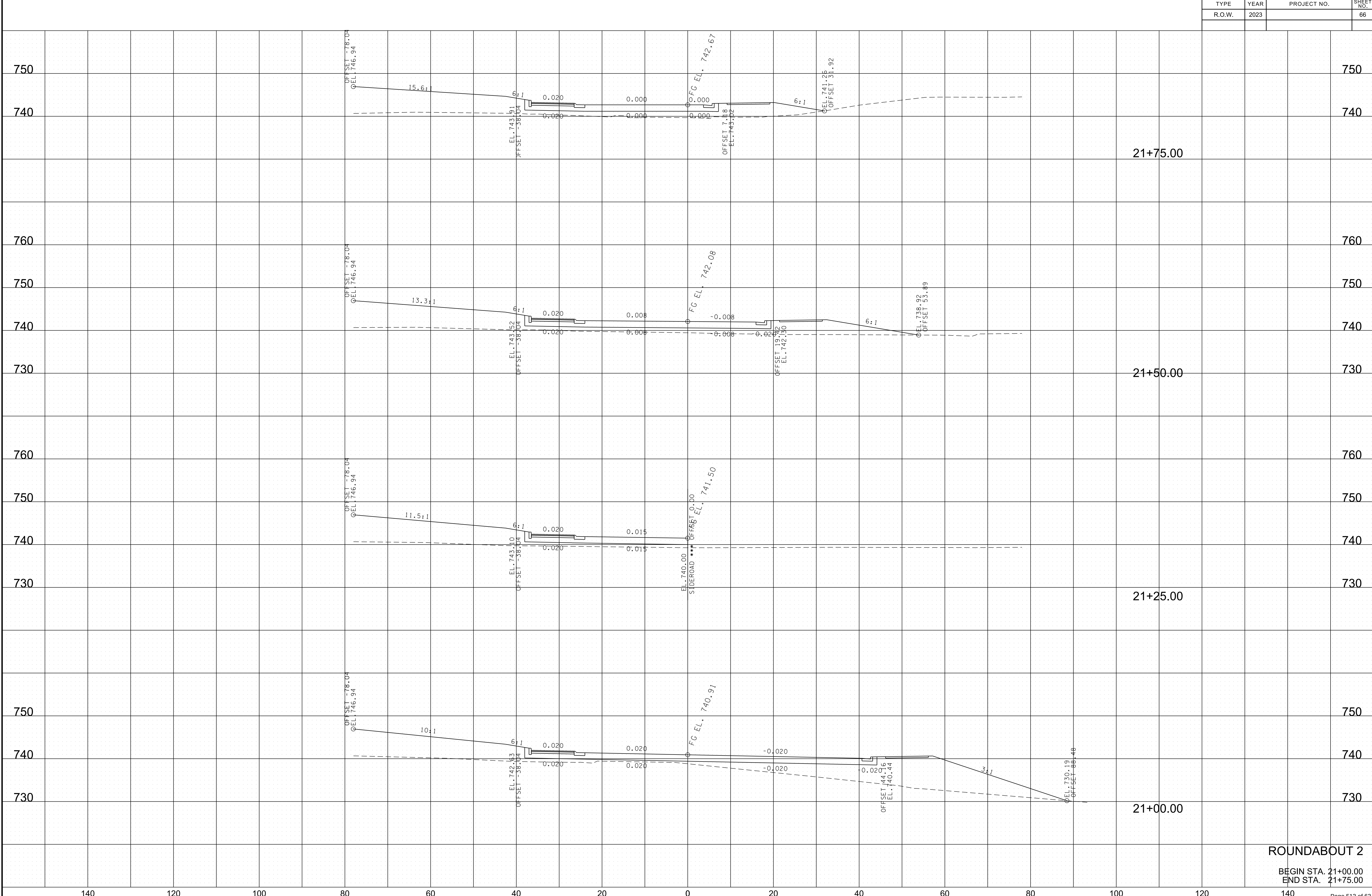


ROUNDAABOUT 1

BEGIN STA. 13+75.00
END STA. 14+25.00

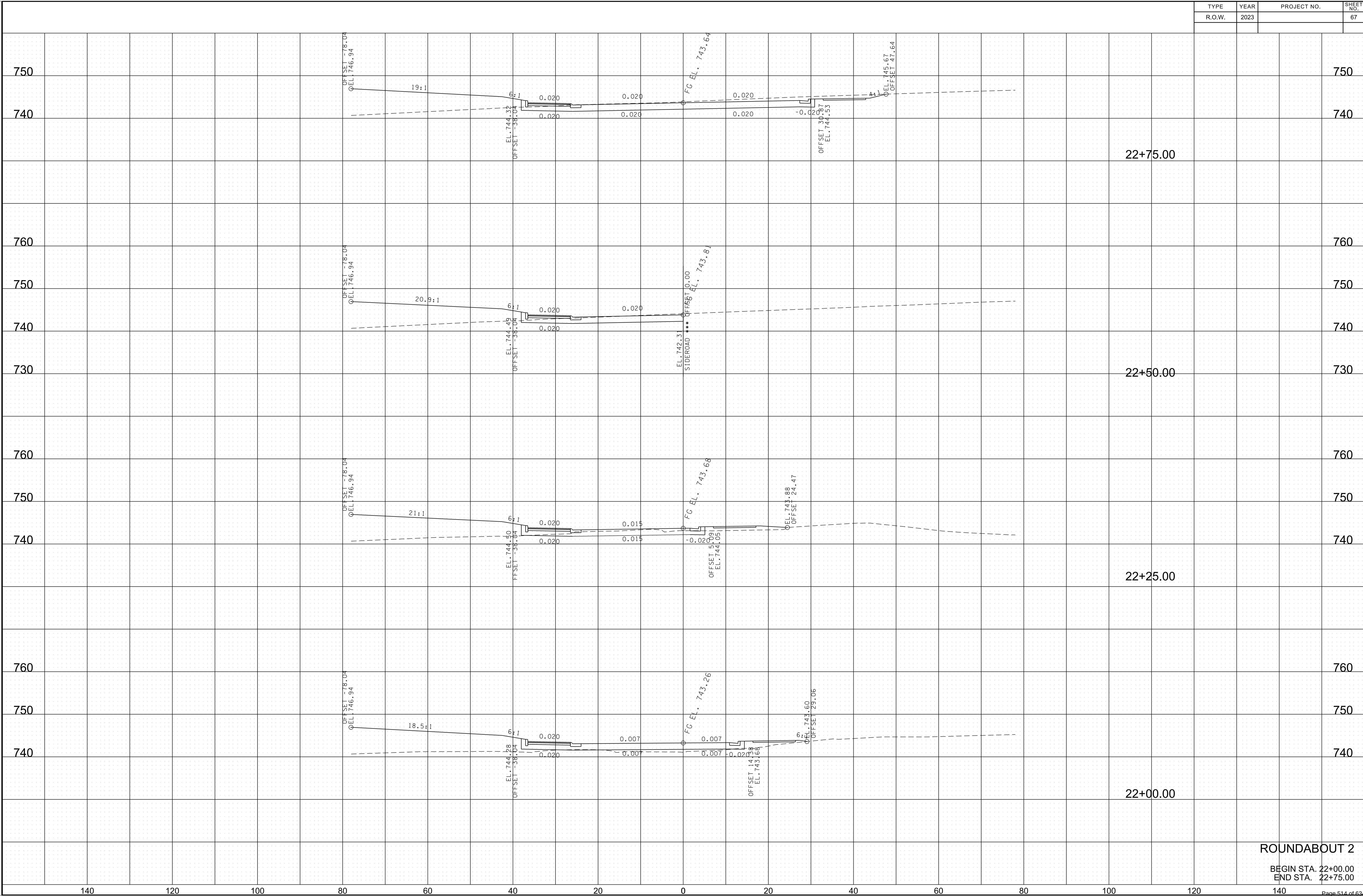
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TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2023		66



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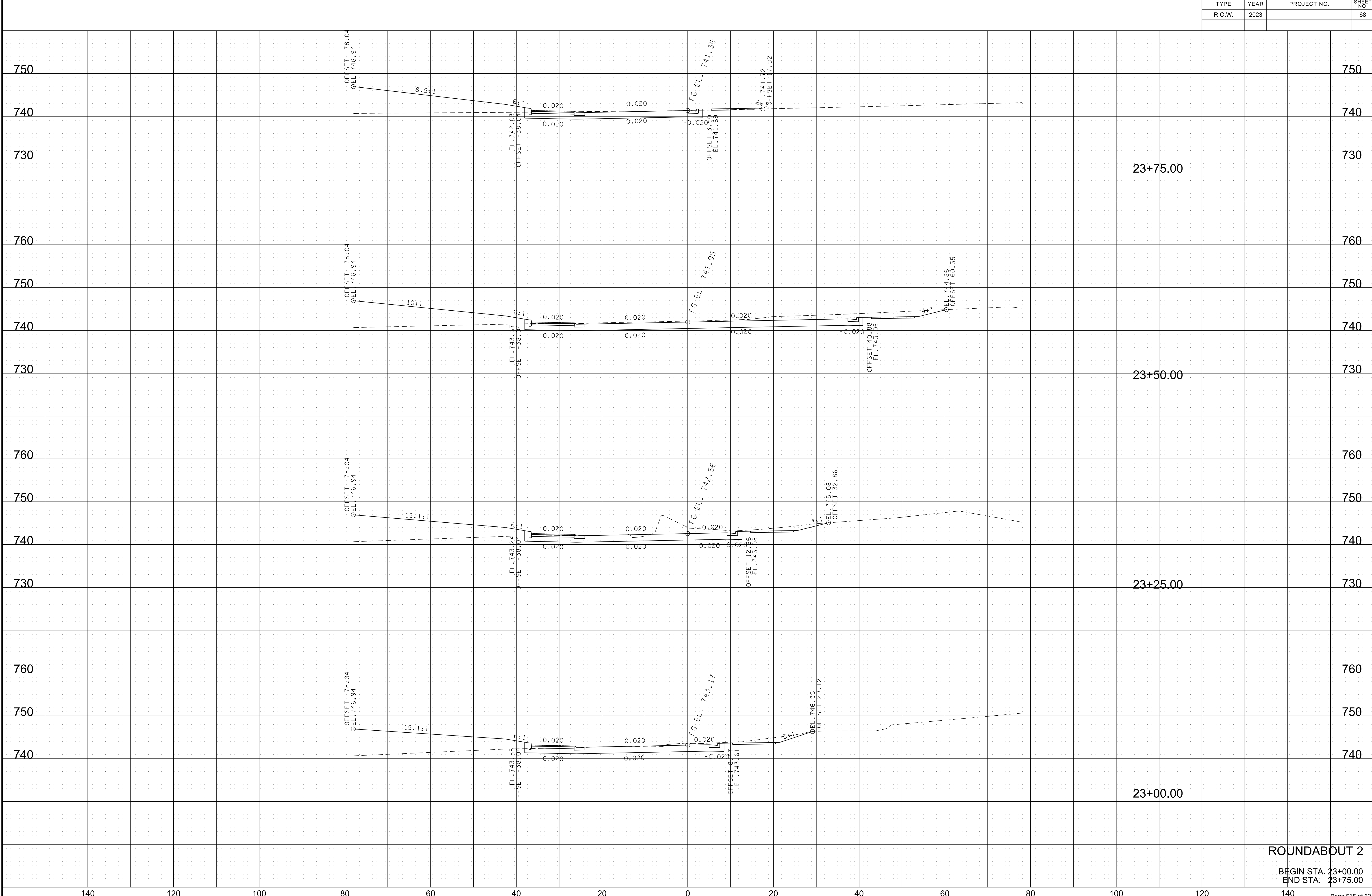
TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2023		67



ROUNDABOUT 2
BEGIN STA. 22+00.00
END STA. 22+75.00

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TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2023		68

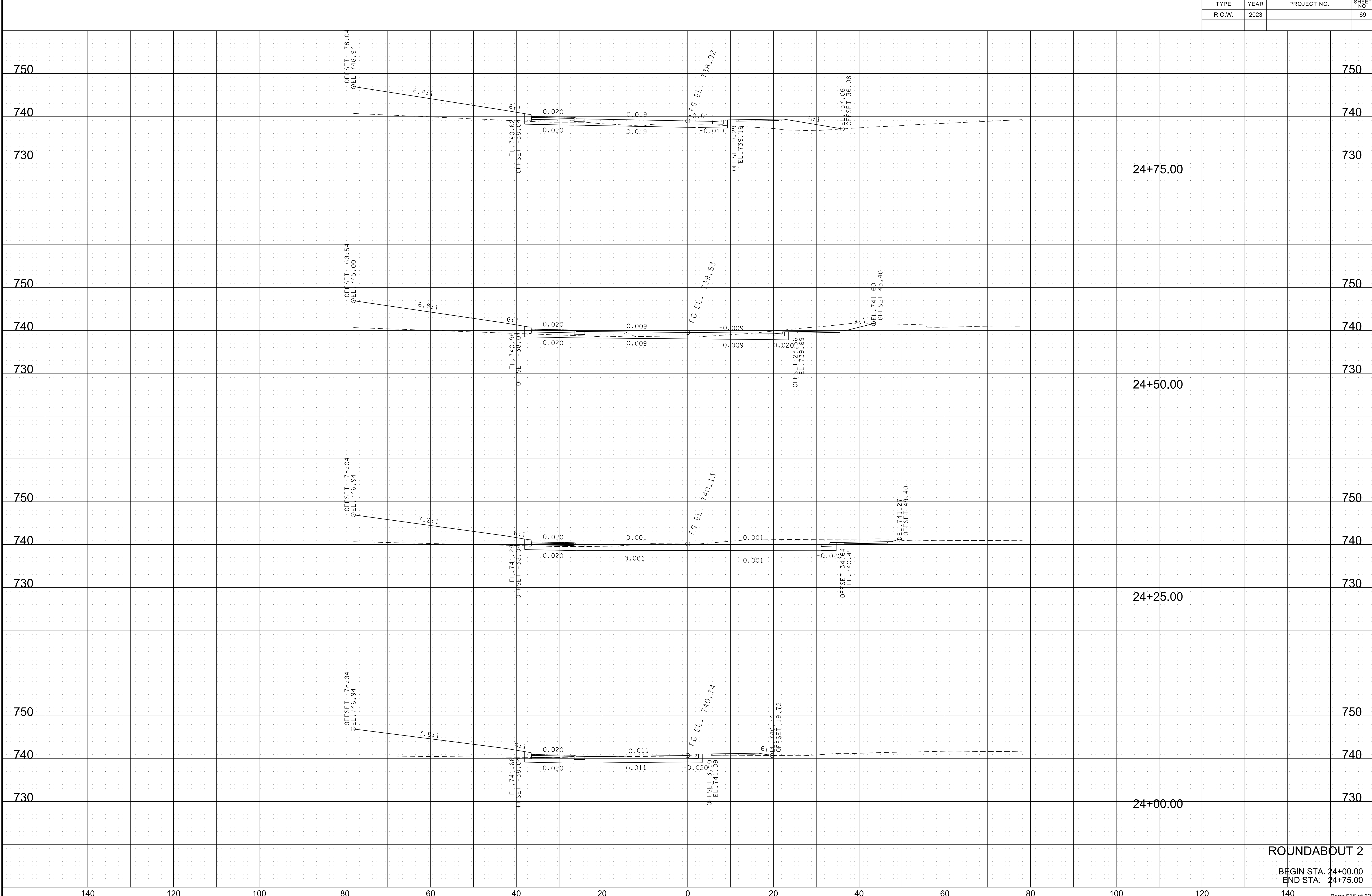


ROUNDABOUT 2

BEGIN STA. 23+00.00
END STA. 23+75.00

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TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2023		69



BEGIN STA. 24+00.00
END STA. 24+75.00

ROUNDBABOUT 2

RESOLUTION 2019-68

**A RESOLUTION TO ADOPT THE PROJECT LIST FOR THE FY 2019-2028 CIP
(CAPITAL INVESTMENT PROGRAM)**

WHEREAS, the Board of Mayor and Aldermen (BOMA) has determined that the FY 2019-2028 Capital Investment Program (CIP) as has been presented represents their intent as to the capital projects needing to be accomplished within the next several years; and

WHEREAS, the BOMA has reviewed the FY 2019-2028 CIP and ranked its top priority projects for consideration of funding; and

WHEREAS, the BOMA has provided adequate funding capacity for these projects through a variety of sources, including the Invest Franklin initiative; and

WHEREAS, City Staff has recommended and presented to the BOMA the FY 2019-2028 Capital Funding Model for consideration inclusive of many internal and external sources that can be leveraged to fund the projects itemized below to maximize available funding.

NOW THEREFORE, BE IT RESOLVED BY THE BOARD OF MAYOR AND ALDERMEN OF THE CITY OF FRANKLIN, TENNESSEE, that the following FY 2019-2028 CIP projects be approved for funding for the approximate amounts shown below utilizing funding as recommended by City Staff:

1. Long Ln and Old Peytonsville Rd Connector	\$ 22,288,800
2. Bicentennial Park	\$ 4,175,000
3. 100 Block Battle Avenue Drainage Improvements	\$ 2,500,000
4. 5th Ave Parking Lot	\$ 500,000
5. Mallory/N Royal Oaks & Liberty Intersection Imp.	\$ 15,000,000
6. Greenway & Bridge (Harlinsdale to Chestnut Bend)	\$ 3,032,960
7. Lockwood Glen Park	\$ 5,530,000
8. Jordan Road (Aspen Grove Dr-Mallory Ln)	\$ 4,670,480
9. Lewisburg Ave Sidewalk Improvements	\$ 1,162,260
10. New City Hall	\$ 24,500,000
11. FSSD (Freedom Middle/Poplar Grove)	\$ 5,150,000
12. E McEwen Dr. Ext. (Wilson Pike to City Limits)	\$ 19,634,800
13. Maplewood Stormwater Project	\$ 530,000
14. Liberty Park Improvements	\$ 5,400,000
15. Main Barn, Harlinsdale	\$ 1,719,070
16. Eastern Flank Road Circle	\$ 160,000
17. Greenway Aspen Grove Park to Mack Hatcher	\$ 1,555,000
18. McEwen Drive Interchange Modifications	\$ 1,000,000
19. Church St. (Columbia to 2nd Ave S)	\$ 11,231,644
20. Peytonsville Rd & Pratt Ln Int. Improvements	\$ 9,913,416

21. Pratt Ln Bridge Replacement	\$ 1,500,000
22. USACE - Home Raising Project	\$ 4,000,000
23. West Main Bridge Widening Project	\$ 455,000
24. Carlisle Ln (SR96W-Future Mack Hatcher Pkwy)	\$ 8,490,720
25. Thompson Alley Neighborhood Park	\$ 222,000
26. Main St Sidewalk Repair Project	\$ 2,200,000
27. Mack Hatcher Multiuse Trail (Franklin-Hillsboro)	\$ 3,600,000
28. Greenway (Pinkerton Park to Franklin Road Bridge)	\$ 5,328,400
29. New Public Parking Structure or Surface Lot	\$ 8,100,000
30. Hayes Home Restoration (Harlinsdale)	\$ 482,870

BE IT FURTHER RESOLVED BY THE BOARD OF MAYOR AND ALDERMEN OF THE CITY OF FRANKLIN, TENNESSEE, that those capital improvement projects listed in the FY 2019-2028 CIP not designated as being funded by this Resolution will be continually evaluated on a case by case basis and in accordance with the established priority rankings for funding should additional funds be made available of those projects slated for funding are delayed and the designated funding not be needed at the present time.

IT IS SO RESOLVED AND DONE on this 13th day of August 2019.

ATTEST:

By: Eric S. Stuckey

ERIC S. STUCKEY
City Administrator

CITY OF FRANKLIN, TENNESSEE:

By: Dr. Ken Moore

DR. KEN MOORE
Mayor

Approved as to Form:

By: Shauna R. Billingsley

Shauna R. Billingsley
City Attorney

RESOLUTION NO. 2019-18

A RESOLUTION TO SELECT A DESIGN CONCEPT FOR THE INTERSECTION UPGRADE PROJECT AT LIBERTY PIKE AND MALLORY LANE/NORTH ROYAL OAKS BOULEVARD

WHEREAS, on February 14, 2017, the City of Franklin Board of Mayor and Aldermen approved a Professional Services Agreement (COF Contract No. 2017-0017) with Volkert, Inc. for the Design of Intersection Improvements at Mallory Lane/North Royal Oaks Boulevard & Liberty Pike; and

WHEREAS, on August 30, 2018, a public meeting to share the proposed design was held at City Hall; and

WHEREAS, the key request from the public meeting process was the request for the City to study additional design alternatives to the proposed design that was presented at the public meeting; and

WHEREAS, on September 27, 2018, City staff presented the results of the public meeting to the Capital Investment Committee; and

WHEREAS, City staff and the designer have worked to develop and analyze the following four (4) design concepts for the project:

- Option 1A – Ultimate Signalized Intersection,
- Option 1B – Minimal Signalized Intersection,
- Option 1C – Optimal Signalized Intersection, and
- Option 2 – Roundabout Intersection.

NOW, THEREFORE, BE IT RESOLVED BY THE BOARD OF MAYOR AND ALDERMEN OF THE CITY OF FRANKLIN, TENNESSEE:

That the Board of Mayor and Aldermen selection Option 2 as the preferred design concept for the Intersection Upgrade Project at Liberty Pike and Mallory Lane/North Royal Oaks Boulevard.

IT IS SO RESOLVED AND DONE on this 23rd day of April, 2019.

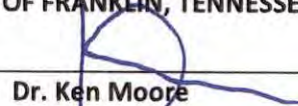
ATTEST:

By:


Eric S. Stuckey
City Administrator

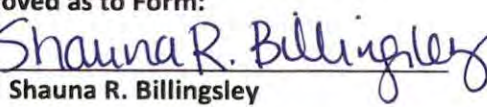
CITY OF FRANKLIN, TENNESSEE

By:


Dr. Ken Moore
Mayor

Approved as to Form:

By:


Shauna R. Billingsley
City Attorney



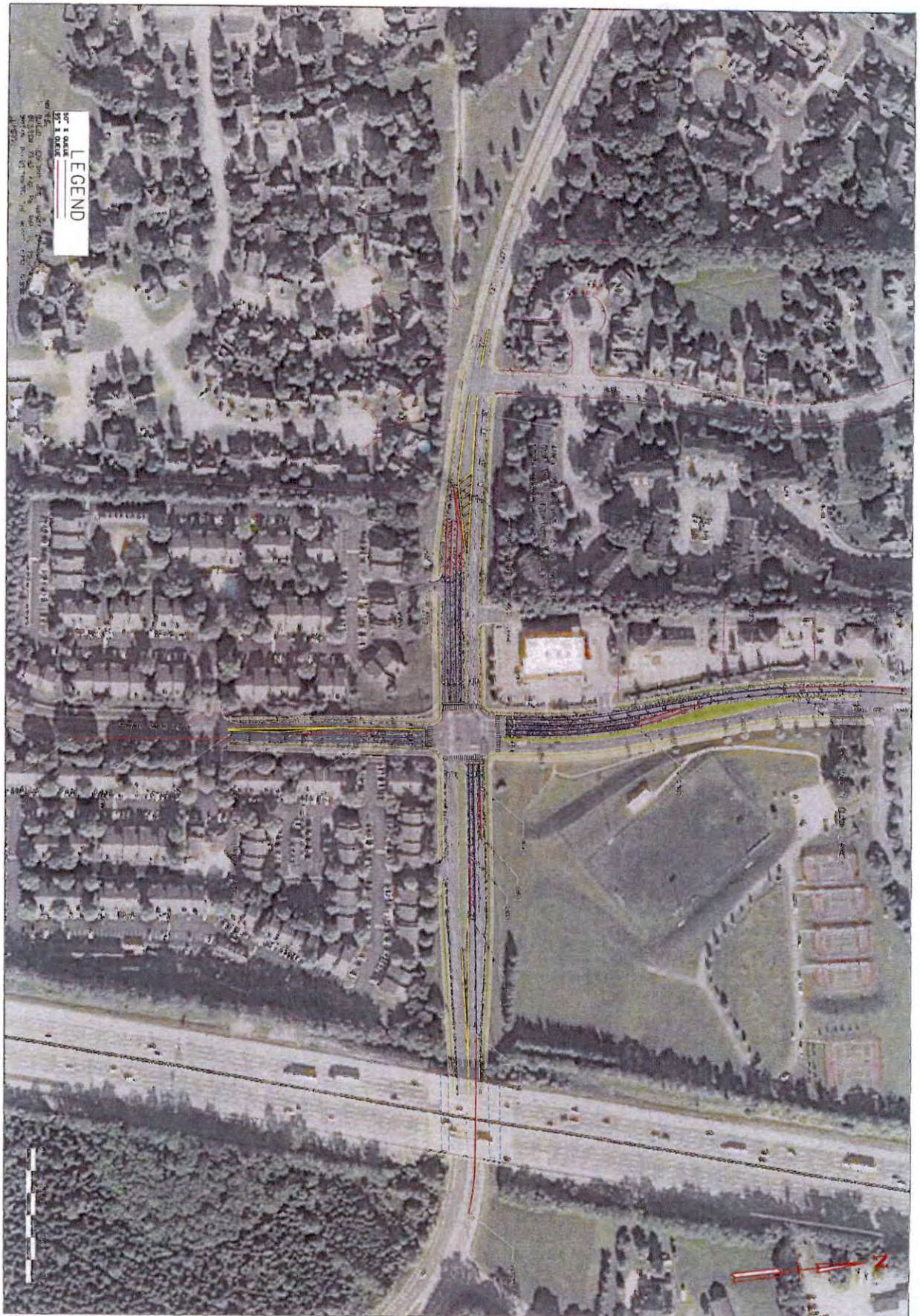
DATE	3/27/2018
DESIGNED BY	CEP
CHECKED BY	CEP
APPROVED BY	CEP
PROJECT NO.	1803
SHEET NO.	2

EXHIBIT A - OPTION 1A
ULTIMATE SIGNAL DESIGN LAYOUT
MALLORY LANE / LIBERTY PIKE
FRANKLIN, TENNESSEE

VOLKERT

302 INNOVATION DRIVE, FRANKLIN, TN 37067

REVISIONS		
NO.	DATE	DESCRIPTION

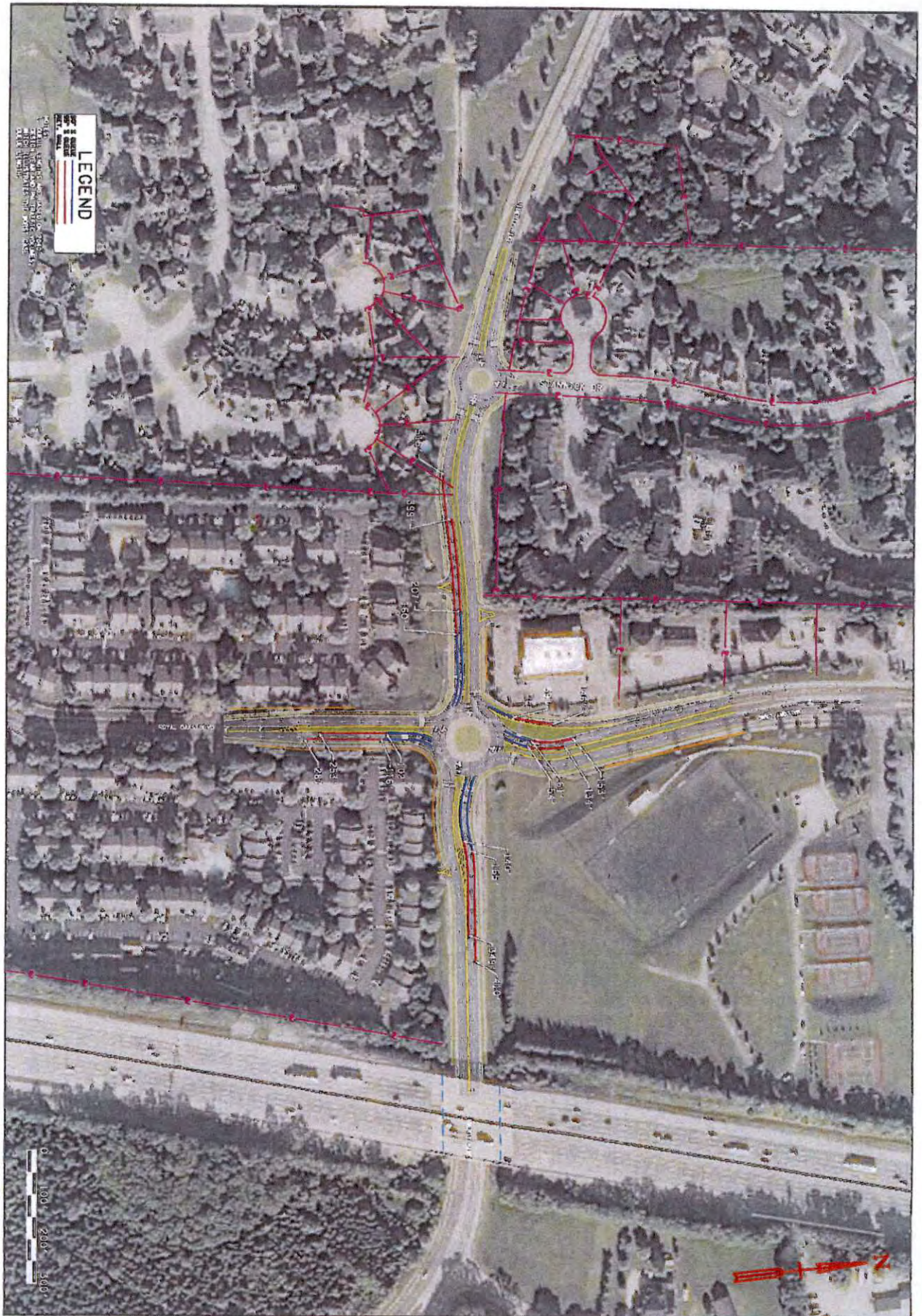


SHEET NO.	2
YEAR	2019
DATE	7/20/2019
DESIGNED BY	JK
CHECKED BY	JK

EXHIBIT A - OPTION 1B
 MINIMAL SIGNAL DESIGN LAYOUT
 MALLORY LANE / LIBERTY PIKE
 FRANKLIN, TENNESSEE

VOLKERT
 302 INNOVATION DRIVE, FRANKLIN, TN 37067
 PHONE: (615) 656-1845 FAX: (615) 656-1870

REVISIONS		
NO.	DATE	DESCRIPTION



SHEET NO.	8108
YEAR	2018
DATE	10/1/2018
DESIGNED BY	J. J. J.
CHECKED BY	J. J. J.
APPROVED BY	J. J. J.

EXHIBIT A - OPTION 2
ROUNDABOUT DESIGN LAYOUT
MALLORY LANE / LIBERTY PIKE
FRANKLIN, TENNESSEE

VOLKERT

300 INNOVATION DRIVE, FRANKLIN, TN 37067
 PHONE: (615) 656-1045 FAX: (615) 656-1070

REVISIONS	
NO.	DESCRIPTION



LEGEND

50' ± QUEUE
95' ± QUEUE
RET. WALL

NOTES:
1. QUEUE LENGTHS ARE BASED ON 2040
DESIGN YEAR AND PM TRAFFIC VOLUMES,
WHICH ILLUSTRATES THE WORST CASE
QUEUE LENGTH.

REVISIONS	
NO.	DATE

Volkert

302 INNOVATION DRIVE, FRANKLIN, TN 37067
PHONE: (615) 656-1845 FAX: (615) 656-1870

EXHIBIT A - OPTION 1A

ULTIMATE SIGNAL DESIGN LAYOUT

MALLORY LANE / LIBERTY PIKE
FRANKLIN, TENNESSEE

DATE: 2/20/2019

DESIGNED BY: KSP

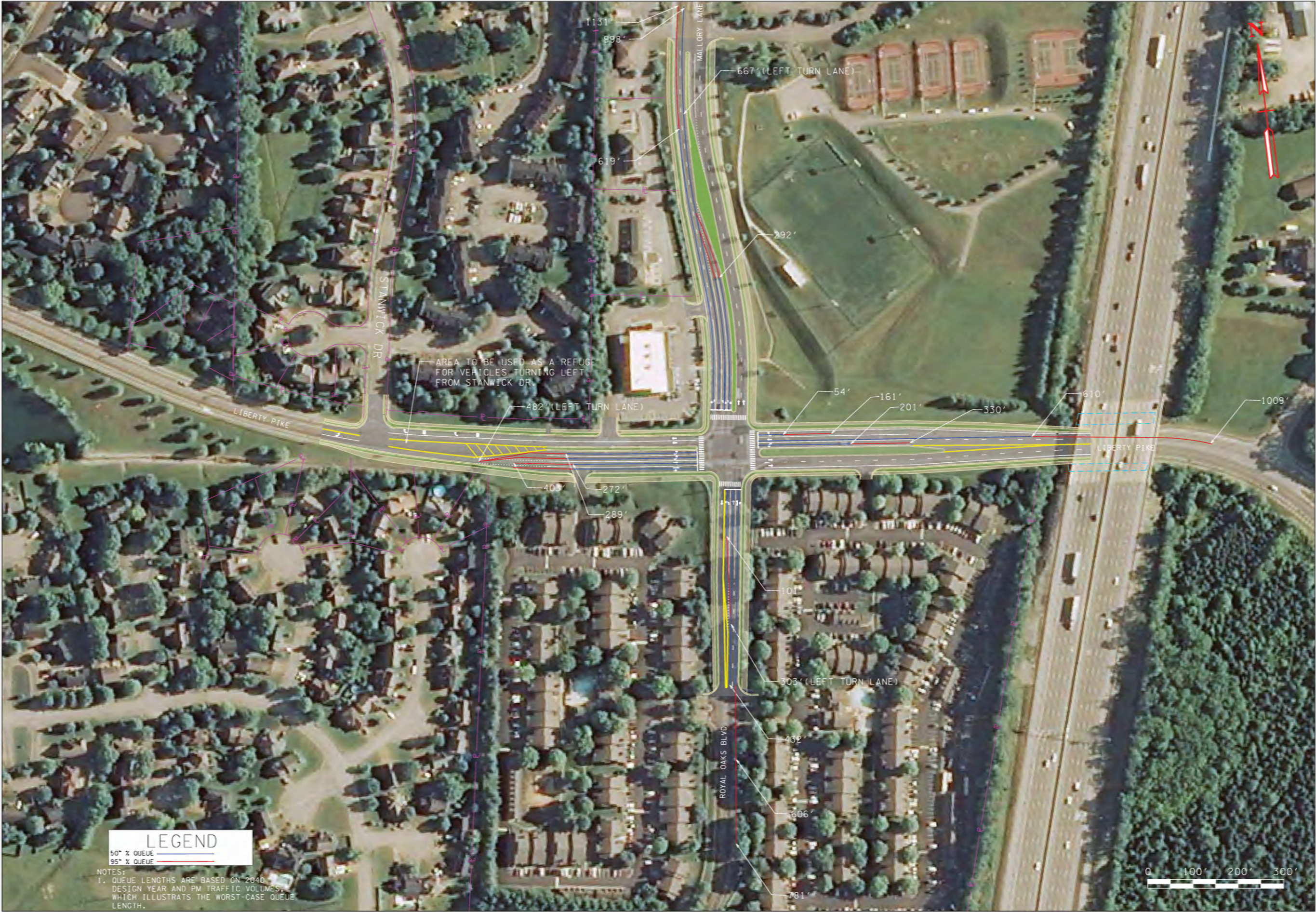
DRAWN BY: KSP

SUPERVISED BY: DCD

CHECKED BY: JE

YEAR: 2019

SHEET NO:



REVISIONS

NO.	DATE	BY	DESCRIPTION

Volkert

302 INNOVATION DRIVE, FRANKLIN, TN 37067
PHONE: (615) 656-1845 FAX: (615) 656-1870

EXHIBIT A - OPTION 1B

MINIMAL SIGNAL DESIGN LAYOUT

MALLORY LANE / LIBERTY PIKE
FRANKLIN, TENNESSEE

DATE: 2/20/2019

DESIGNED BY: KSP

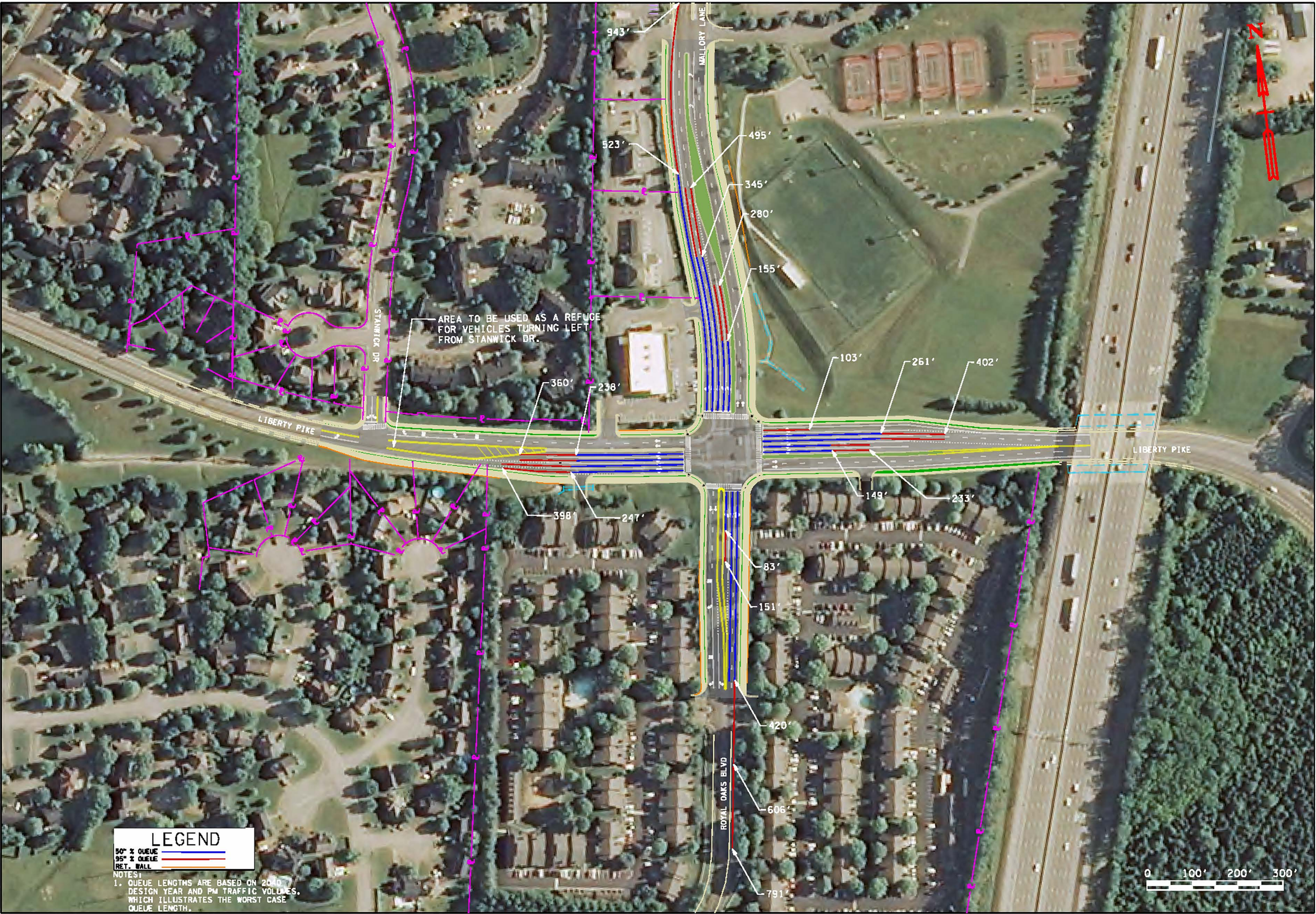
DRAWN BY: KSP

SUPERVISED BY: DCD

CHECKED BY: JE

YEAR: 2019

SHEET NO:



LEGEND

50% QUEUE

95% QUEUE

RET. WALL

NOTES:

1. QUEUE LENGTHS ARE BASED ON 2040 DESIGN YEAR AND PM TRAFFIC VOLUMES, WHICH ILLUSTRATES THE WORST CASE QUEUE LENGTH.

REVISIONS

NO	DATE	BY	DESCRIPTION

Volkert

302 INNOVATION DRIVE, FRANKLIN, TN 37067
PHONE: (615) 656-1845 FAX: (615) 656-1870

EXHIBIT A - OPTION 1C

OPTIMAL SIGNAL DESIGN LAYOUT

MALLORY LANE / LIBERTY PIKE

FRANKLIN, TENNESSEE

DATE: 2/20/2019

DESIGNED BY: JSP

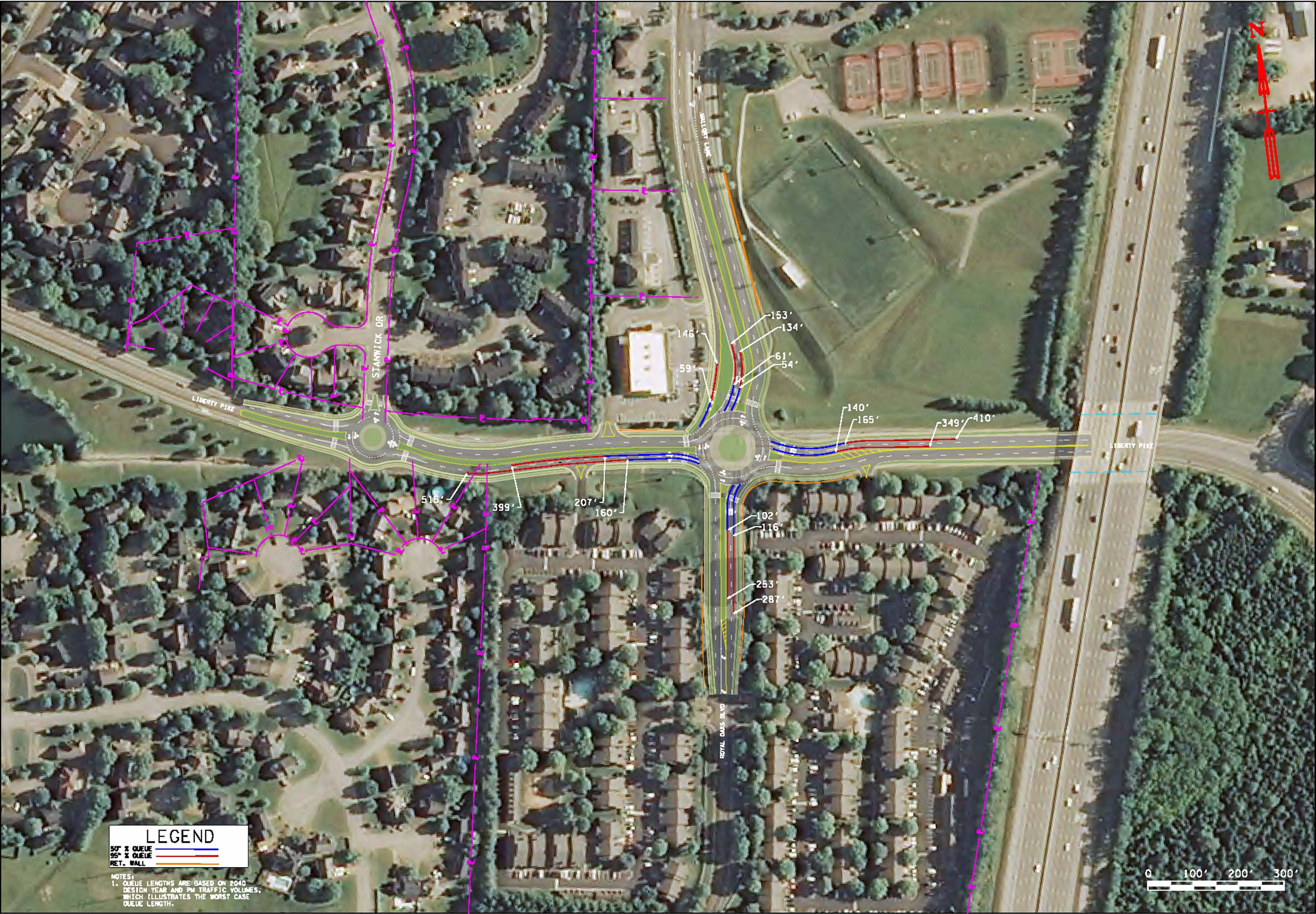
DRAWN BY: KSP

SUPERVISED BY: DCD

CHECKED BY: JF

YEAR: 2019

SHEET NO:



LEGEND

50' ± QUEUE
95' ± QUEUE
RET. WALL

NOTES:
1. QUEUE LENGTHS ARE BASED ON 2040
DESIGN YEAR AND PM TRAFFIC VOLUMES,
WHICH ILLUSTRATES THE WORST CASE
QUEUE LENGTH.

REVISIONS	
NO	DATE

Volkert

302 INNOVATION DRIVE, FRANKLIN, TN 37067
PHONE: (615) 656-1845 FAX: (615) 656-1870

EXHIBIT A - OPTION 2
ROUNDABOUT DESIGN LAYOUT
MALLORY LANE / LIBERTY PIKE
FRANKLIN, TENNESSEE

DATE:	7/20/2018
DESIGNED BY:	JSF
DRAWN BY:	JSF
SUPervised BY:	JED
CHECKED BY:	JS

YEAR:	2019
SHEET NO:	

RESOLUTION 2016-69

A RESOLUTION TO ADOPT THE PROJECT LIST FOR PHASE I OF THE FY 2017-2026 CIP (CAPITAL INVESTMENT PROGRAM)

WHEREAS, the Board of Mayor and Aldermen (BOMA) has determined that the FY 2017-2026 Capital Investment Program (CIP) as has been presented represents their intent as to the capital projects needing to be accomplished within the next several years; and

WHEREAS, the BOMA has reviewed the FY 2017-2026 CIP and ranked its top nine (9) priority projects for consideration of funding; and

WHEREAS, the BOMA has provided adequate funding capacity for these projects through a variety of sources including the Invest Franklin initiative; and

WHEREAS, City Staff has recommended and presented to the BOMA the FY 2017-2026 Capital Funding Model for consideration inclusive of many internal and external sources which can be leveraged to fund the projects itemized below to maximize available funding.

NOW THEREFORE, BE IT RESOLVED BY THE BOARD OF MAYOR AND ALDERMEN OF THE CITY OF FRANKLIN, TENNESSEE, that the following FY 2017-2026 CIP projects be approved for funding for the approximate amounts shown below utilizing funding as recommended by City Staff:

1. East McEwen (Phase IV)	\$27,478,800
2. East / Southeast Multipurpose Park	\$13,200,000
3. Sidewalk "Gaps"	\$ 1,250,000
4. Fire Station 7	\$ 4,330,000
5. Franklin Road Improvements	\$14,340,000
6. Goose Creek Interchange Lighting	\$ 870,000
7. Major Street Resurfacing	\$ 5,400,000
8. Public Safety Communications System	\$ 4,600,000
9. Mallory Station / Royal Oaks / Liberty Pike Intersection Improvements (Phase 1)	\$ 2,200,000

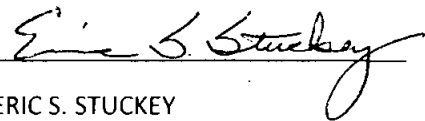
BE IT FURTHER RESOLVED BY THE BOARD OF MAYOR AND ALDERMEN OF THE CITY OF FRANKLIN, TENNESSEE that those capital improvement projects listed in the FY 2017-2026 CIP not designated as being funded by this Resolution will be continually evaluated on a case by case basis and in accordance with the established priority rankings for funding should additional funds be made available or those projects slated for funding are delayed and the designated funding not be needed at the present time.

IT IS SO RESOLVED AND DONE on this 25th day of October, 2016.

ATTEST:

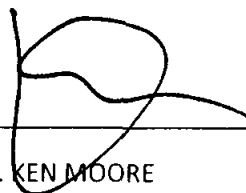
CITY OF FRANKLIN, TENNESSEE

By:



ERIC S. STUCKEY
City Administrator

By:



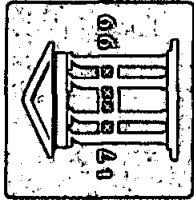
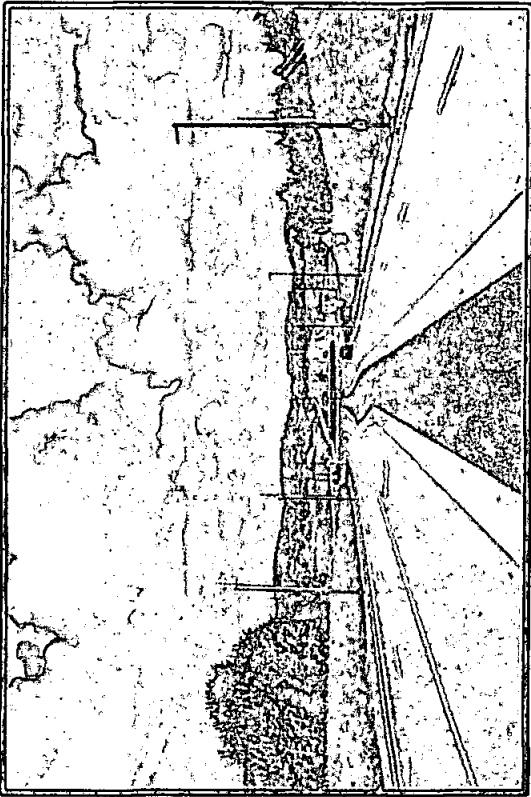
DR. KEN MOORE
Mayor

Approved as to Form

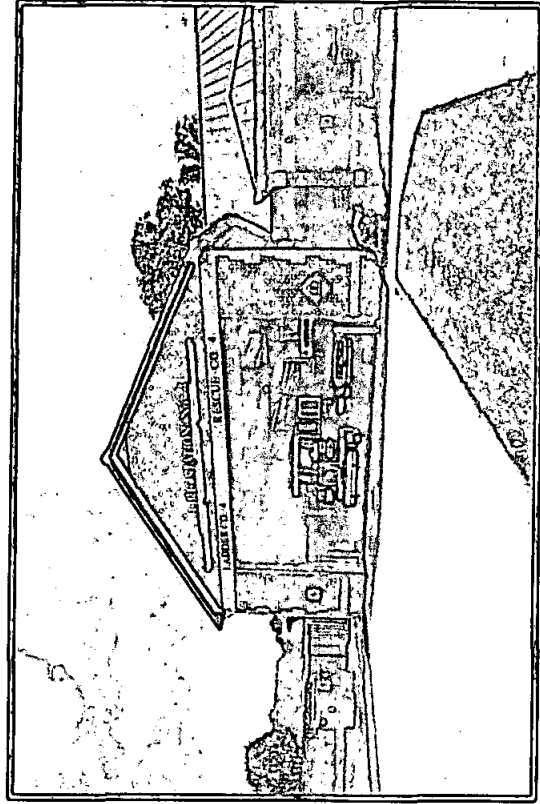
By:

Shauna R. Billingsley City Attorney

No City law
file on this:
Not Law Approved
SB did not sign



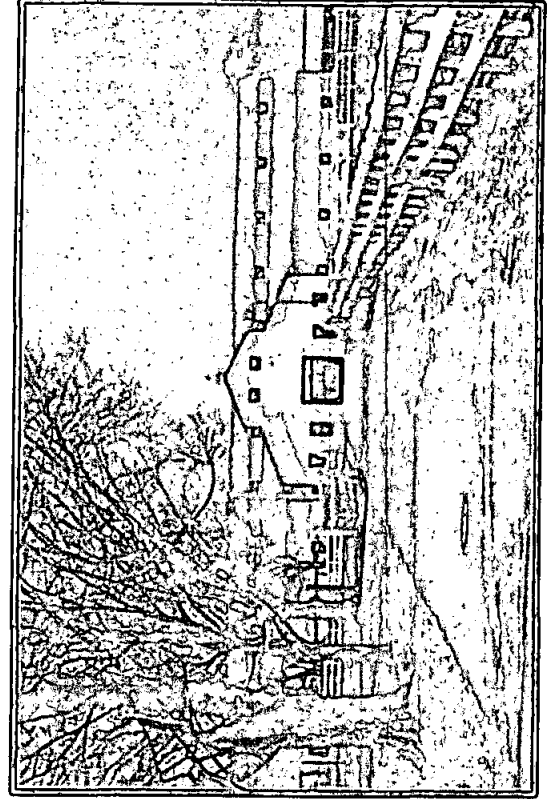
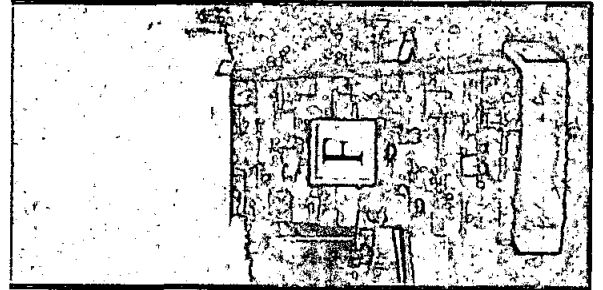
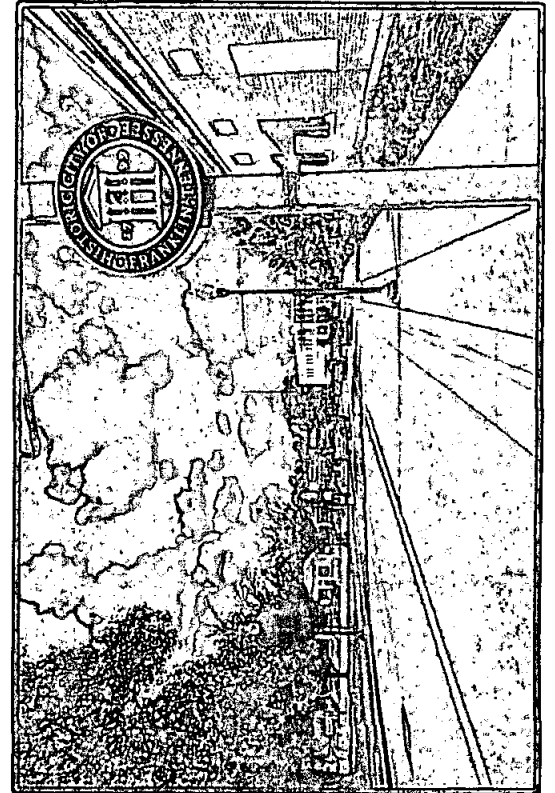
HISTORIC
FRANKLIN
TENNESSEE



Capital Investment Program

**** DRAFT ****
9/30/2016

FY2017-2026



Phase I CIP Projects

FY 2017-2026 CIP - BOMA Selections - Non-Weighted

(Facilities, Parks & Recreation, and Transportation Projects)

Project Information							Total Votes (X of 9)	Cumulative Total	Counter
ID	Name	Category	Status	Star Ranking	Estimated Cost				
PK16014	East/Southeast Multipurpose Park	Parks & Recreation	Pending	4	\$ 13,200,000.00		8	\$ 13,200,000.00	1
ST16007	East McEwen Drive Improvements - Phase 4	Transportation	Active	4	\$ 26,428,800.00		8	\$ 39,628,800.00	2
ST16037	Sidewalk Gaps	Transportation	Pending	4	\$ 1,250,000.00		8	\$ 40,878,800.00	3
FD16001	Fire Station 7 (Goose Creek Area)	Facilities	Active	4	\$ 4,330,000.00		7	\$ 45,208,800.00	4
ST16009	Franklin Road Improvements & Streetscape	Transportation	Active	4	\$ 14,340,000.00		7	\$ 59,548,800.00	5
ST16002	Goose Creek Interchange Lighting	Transportation	Pending	3	\$ 870,000.00		6	\$ 60,418,800.00	6
FM16001	New City Hall	Facilities	Active	4	\$ 24,100,000.00		5	\$ 84,518,800.00	7
ST16014	Franklin Rd & Mallory Station Rd Int. Improv.	Transportation	Pending	3	\$ 3,920,000.00		5	\$ 88,438,800.00	8
PK16018	Eastern Flank Circle (Loop Road) Repair	Parks & Recreation	Pending	4	\$ 130,000.00		4	\$ 88,568,800.00	9
PK16020	Bicentennial Park Schematic Design & Construction	Parks & Recreation	Active	4	\$ 1,905,000.00		4	\$ 90,473,800.00	10
ST16030	Sidewalk Lewisburg Ave	Transportation	Pending	4	\$ 580,000.00		4	\$ 91,053,800.00	11
PK16002	Main Barn Restoration (Harlinsdale)	Parks & Recreation	Pending	4	\$ 698,000.00		3	\$ 91,751,800.00	12
PK16008	Jim Warren Park Renovations	Parks & Recreation	Pending	3	\$ 2,885,000.00		3	\$ 94,636,800.00	13
PK16009	Liberty Park Improvements	Parks & Recreation	Pending	1	\$ 557,000.00		3	\$ 95,193,800.00	14
ST16008	East McEwen Dr. Right-Turn Bypass Lane	Transportation	Pending	4	\$ 974,400.00		3	\$ 96,168,200.00	15
ST16011	Mallory/N Royal Oaks & Liberty Intersection Imp.	Transportation	Pending	3	\$ 4,440,000.00		3	\$ 100,608,200.00	16
ST16017	Long Lane/Old Peytonsville Rd Connector at I-65	Transportation	Active	3	\$ 12,790,000.00		3	\$ 113,398,200.00	17
ST16031	Liberty Pike Sidewalk	Transportation	Pending	3	\$ 102,000.00		3	\$ 113,500,200.00	18
ST16038	Major Street Resurfacing	Transportation	Pending	2	\$ 13,800,000.00		3	\$ 127,300,200.00	19
PK16001	Hayes Home Restoration (Harlinsdale)	Parks & Recreation	Pending	4	\$ 718,500.00		2	\$ 128,018,700.00	20
PK16010	Splash Pad	Parks & Recreation	Pending	1	\$ 600,000.00		2	\$ 128,618,700.00	21
PK16013	Greenway & Bridge (Harlinsdale to Fulton Greer)	Parks & Recreation	Pending	3	\$ 652,944.00		2	\$ 129,271,644.00	22
ST16012	East McEwen Drive Extension - Phase 5	Transportation	Active	1	\$ 12,587,800.00		2	\$ 141,859,444.00	23
ST16015	Carothers Parkway Widening (Falcon Creek to SR-96)	Transportation	Pending	3	\$ 16,676,000.00		2	\$ 158,535,444.00	24
ST16019	N Royal Oaks Blvd (Alexander Plaza to Liberty Pk)	Transportation	Pending	1	\$ 8,688,400.00		2	\$ 167,223,844.00	25
ST16028	Clovercroft Road (SR96 to Oxford Glen)	Transportation	Pending	3	\$ 14,458,150.00		2	\$ 181,681,994.00	26
ST16029	Multi-Use Trail S Royal Oaks	Transportation	Pending	1	\$ 810,000.00		2	\$ 182,491,994.00	27
TOC16001	Carothers Parkway (South) ITS Extension	Transportation	Pending	4	\$ 1,375,000.00		2	\$ 183,866,994.00	28
TOC16002	ITS Camera at Columbia Ave & Mack Hatcher Pkwy	Transportation	Pending	2	\$ 85,000.00		2	\$ 183,951,994.00	29
PK16004	North Barn Restoration (Harlinsdale)	Parks & Recreation	Pending	2	\$ 689,400.00		1	\$ 184,641,394.00	30
PK16005	Harlinsdale Visitor Center & Museum	Parks & Recreation	Pending	2	\$ 3,100,760.00		1	\$ 187,742,154.00	31
PK16006	Worker House I & II (Harlinsdale)	Parks & Recreation	Pending	2	\$ 342,000.00		1	\$ 188,084,154.00	32
PK16012	Greenway (Pinkerton to Bicentennial)	Parks & Recreation	Pending	3	\$ 5,710,126.00		1	\$ 193,794,280.00	33
PK16016	Lockwood Glen Park	Parks & Recreation	Pending	2	\$ 210,750.00		1	\$ 194,005,030.00	34
PK16019	Harlinsdale Farm Interurban Trail Connection	Parks & Recreation	Pending	2	\$ 128,000.00		1	\$ 194,133,030.00	35

FY 2017-2026 CIP - BOMA Selections - Non-Weighted **(Facilities, Parks & Recreation, and Transportation Projects)**

Project Information							Total Votes (X of 9)	Cumulative Total	Counter
ID	Name	Category	Status	Star Ranking	Estimated Cost				
ST16004	Carothers Parkway Extension	Transportation	Pending	1	\$ 5,172,000.00		1	\$ 199,305,030.00	36
ST16006	Jordan Road Improvements	Transportation	Active	4	\$ 2,062,000.00		1	\$ 201,367,030.00	37
ST16013	Aspen Grove Dr & Seaboard Ln Intersection Improv.	Transportation	Active	2	\$ 1,708,000.00		1	\$ 203,075,030.00	38
ST16016	Lewisburg Pike Imp. (Donelson Crk Pkwy to SR-397)	Transportation	Pending	3	\$ 12,720,000.00		1	\$ 215,795,030.00	39
ST16018	S. Margin Infrastructure Upgrades (1st to Columbia)	Transportation	Pending	4	\$ 7,393,680.00		1	\$ 223,188,710.00	40
ST16022	Carothers Parkway Widening (Long Lane to Falcon Creek)	Transportation	Pending	3	\$ 9,435,629.00		1	\$ 232,624,339.00	41
ST16024	Multi-Use Trail Mack Hatcher (Franklin to Hillsboro)	Transportation	Pending	3	\$ 2,295,000.00		1	\$ 234,919,339.00	42
ST16025	Multi-Use Trail Oxford Glen Dr (Daily to McEwen)	Transportation	Pending	3	\$ 870,000.00		1	\$ 235,789,339.00	43
ST16026	Multi-Use Trail Forrest Crossing Blvd.	Transportation	Pending	3	\$ 375,000.00		1	\$ 236,164,339.00	44
ST16027	Boyd Mill Ave (Downs to SR96W)	Transportation	Pending	2	\$ 7,421,542.00		1	\$ 243,585,881.00	45
ST16032	West Main Street (Natchez St to Downs Blvd)	Transportation	Pending	4	\$ 8,752,750.00		1	\$ 252,338,631.00	46
ST16034	Jordan Road (McEwen - Liberty)	Transportation	Pending	1	\$ 2,400,000.00		1	\$ 254,738,631.00	47
ST16036	Hillsboro Road Temporary Sidewalk	Transportation	Pending	1	\$ 550,000.00		1	\$ 255,288,631.00	48
TOC16003	ITS Camera at Franklin Rd & Mallory Station Rd	Transportation	Pending	2	\$ 85,000.00		1	\$ 255,373,631.00	49
TOC16007	Lewisburg Pike ITS Extension	Transportation	Pending	1	\$ 150,000.00		1	\$ 255,523,631.00	50
PK16003	Maintenance Building Restoration (Harlinsdale)	Parks & Recreation	Pending	1	\$ 549,000.00		0		
PK16007	North Pavilion & Restroom Facility (Harlinsdale)	Parks & Recreation	Pending	1	\$ 292,500.00		0		
PK16011	Greenway (Aspen Grove to Mack Hatcher)	Parks & Recreation	Pending	3	\$ 907,255.00		0		
PK16017	Greenway (Lewisburg to I-65/Harpeth River)	Parks & Recreation	Pending	1	\$ 3,300,000.00		0		
ST16001	Carlisle Lane Improvements	Transportation	Pending	1	\$ 4,186,000.00		0		
ST16003	Peytonsville Road Extension	Transportation	Pending	1	\$ 16,812,000.00		0		
ST16005	Peytonsville Rd & Pratt Ln Intersection Improv.	Transportation	Pending	1	\$ 5,016,000.00		0		
ST16010	Beta Drive Extension	Transportation	Pending	1	\$ 4,306,000.00		0		
ST16020	Multi-Use Trail SR-96W (Vera Valley Dr to 9th Ave)	Transportation	Pending	2	\$ 1,913,867.00		0		
ST16021	Multi-Use Trail (Mack Hatcher Pkwy to EFBP)	Transportation	Pending	1	\$ 1,987,451.00		0		
ST16023	Multi-Use Trail 1st Ave (South Margin to Bridge)	Transportation	Pending	1	\$ 1,470,000.00		0		
ST16033	Carters Creek Pk (Old Carters Creek - Downs Blvd)	Transportation	Pending	2	\$ 23,287,500.00		0		
ST16035	Columbia Ave (Downs Blvd to Fowlkes St)	Transportation	Pending	2	\$ 17,900,000.00		0		
TOC16004	Hillsboro Road ITS Extension	Transportation	Pending	3	\$ 700,000.00		0		
TOC16005	Highway 96 West ITS Extension - Phase 1	Transportation	Pending	1	\$ 285,000.00		0		
TOC16006	Highway 96 West ITS Extension - Phase 2	Transportation	Pending	1	\$ 310,000.00		0		

BOMA Ranking: 1

Project #	PK16014
Project Name	East/Southeast Multipurpose Park

Department Parks
 Contact Park Director
 Type New
 Useful Life 20+
 Category Parks and Recreation
 Priority 4 Star Project
 Status Pending

Total Cost \$13,200,000

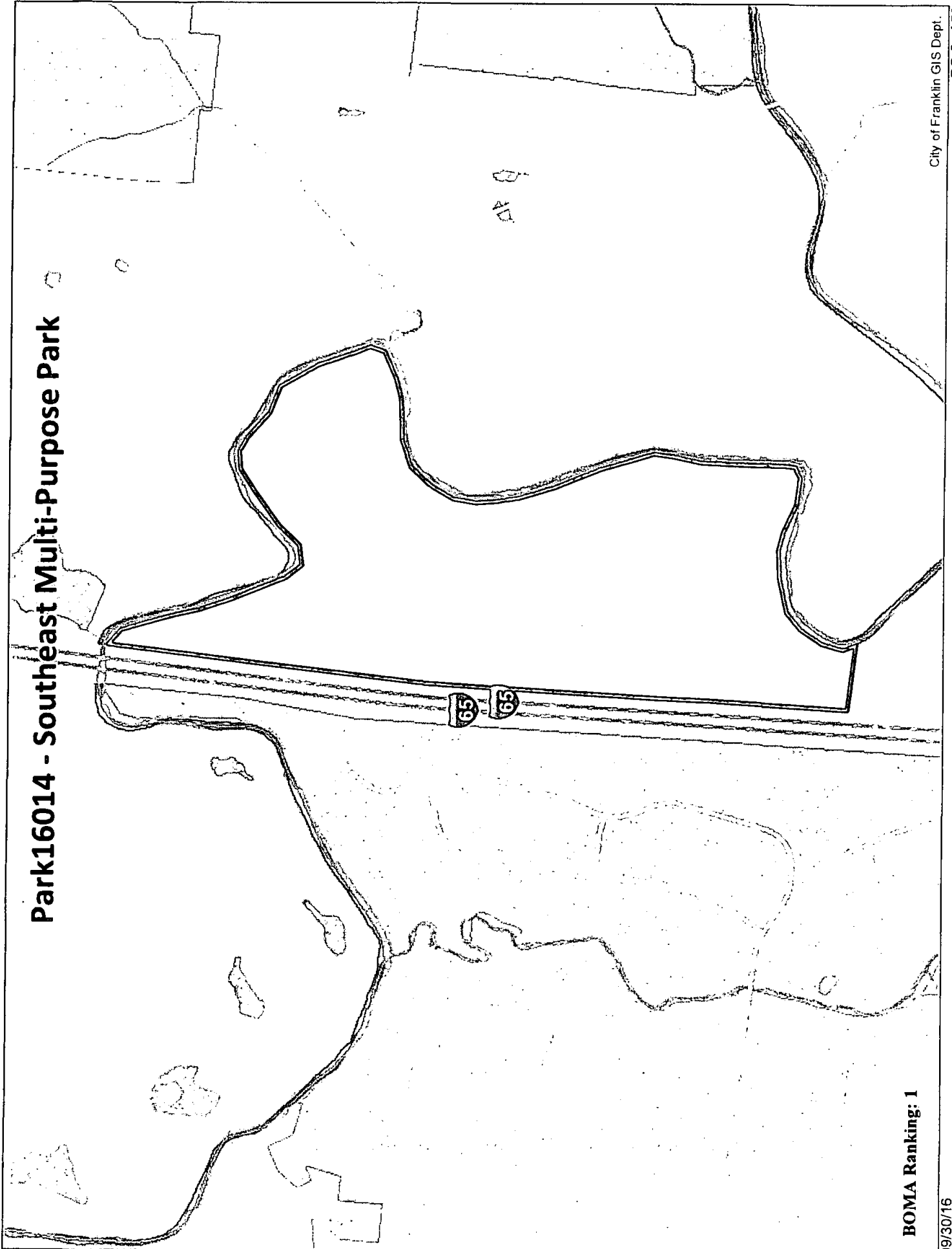
Description

This section of greenway will transition to a multi-use pathway in certain sections. The trail will connect to the proposed Mack Hatcher multi-use pathway in the future. The intersection of Mack Hatcher and Lewisburg Pike will be particularly difficult to manage but an at-grade crossing is proposed at this traffic light. From Mack Hatcher, the trail will continue south along Lewisburg Pike until it heads east near the intersection of Donelson Creek Parkway along the southern edge of the Waters Edge development to the Harpeth River. The trail will again say along the south side of the Harpeth until Five Mile Creek. A bridge crossing to the East side of Five Mile Creek provides an opportunity to connect via easements south to Berry Farms.

Justification

Expenditures	FY 17	FY 18	FY 19	FY 20	FY 21	FY 22	FY 23	FY 24	FY 25	FY 26	Total
Design/Planning (Professional Services)	1,200,000										1,200,000
Construction		4,000,000	4,000,000	4,000,000							12,000,000
Total	1,200,000	4,000,000	4,000,000	4,000,000	4,000,000						13,200,000
Funding Sources	FY 17	FY 18	FY 19	FY 20	FY 21	FY 22	FY 23	FY 24	FY 25	FY 26	Total
Parkland Dedication	1,200,000	4,000,000	4,000,000	4,000,000							13,200,000
Total	1,200,000	4,000,000	4,000,000	4,000,000	4,000,000						13,200,000

Park16014 - Southeast Multi-Purpose Park



BOMA Ranking: 1

09/30/16

BOMA Ranking: 2

Project #	ST16007
Project Name	East McEwen Drive Improvements - Phase 4

Department Streets
 Contact Engineering Director
 Type Improvement
 Useful Life 20+
 Category Transportation
 Priority 4 Star Project
 Status Active

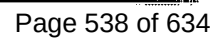
Total Cost \$26,428,800

Description	Total Cost
Improvement of East McEwen Drive, from 800 feet east of the roundabout at Cool Springs Boulevard/Oxford Glen Drive to Wilson Pike (SR-252). The project shall be constructed as a four (4) lane, median divided facility with turn lanes as required. Project shall include: access management (as allowable), curb & gutter, street lights, ITS Infrastructure, and accommodations for pedestrians and bicycles. Approximate project length of 8,200 LF.	
Justification	
Congestion Mitigation: The Cools Springs Area is a major employment area within middle TN. As development continues along Carothers Parkway so does the AADT on McEwen Drive. McEwen Drive is an important East / West Connector between Nolensville, La Vergne, Smyrna and Rutherford County. In the last few years the Board has approved 5.2 Million SF of Office, 450,000 SF of retail, 700 hotel rooms and 2,418 multifamily units at the Carothers and McEwen Intersection alone. Improving this roadway will help to significantly reduce congestion for commuters trying to access the Cool Springs area. Safety: This rural roadway is an important East / West Connector between Nolensville, La Vergne, Smyrna and Rutherford County. This roadway has significant vertical and horizontal issues that need corrected to improve safety. Economic Development: The City has invested heavily in the Carothers McEwen area over the last few years. We are now seeing the private market invest millions of dollars into office and retail space along Carothers Parkway. These upgrades are needed to reduce congestion and improve safety so that we can retain and attract new businesses long term.	

Expenditures	FY 17	FY 18	FY 19	FY 20	FY 21	FY 22	FY 23	FY 24	FY 25	FY 26	Total
Design/Planning (Professional Services)	100,000										100,000
ROW and Easements	2,500,000	1,000,000									3,500,000
Construction Engineering / Inspection		500,000	500,000	500,000							1,000,000
Construction		10,914,400	10,914,400	10,914,400							21,828,800
Total	2,600,000	1,000,000	11,414,400	11,414,400							26,428,800

Funding Sources	FY 17	FY 18	FY 19	FY 20	FY 21	FY 22	FY 23	FY 24	FY 25	FY 26	Total
Road Impact Fees	2,600,000	1,000,000	10,688,830	10,688,830							24,977,660
Stormwater		545,720	545,720	545,720							1,091,440
Wastewater Renewal		179,850	179,850	179,850							359,700
Total	2,600,000	1,000,000	11,414,400	11,414,400							26,428,800

Capital Improvement Plan FY2017-2026



BOMA Ranking: 15

Project #	ST16008
Project Name	East McEwen Dr. Right-Turn Bypass Lane

Department Streets
 Contact Engineering Director
 Type Improvement
 Useful Life 20+
 Category Transportation
 Priority 4 Star Project
 Status Pending

Total Cost \$974,400

Description
 Improvement of roundabout at East McEwen Drive and Cool Springs Boulevard/Oxford Glen Drive. The project consists of the construction of a right-turn bypass lane for westbound motorists turning right from East McEwen Drive onto Cool Springs Boulevard. Approximate project length of 1,000 LF.

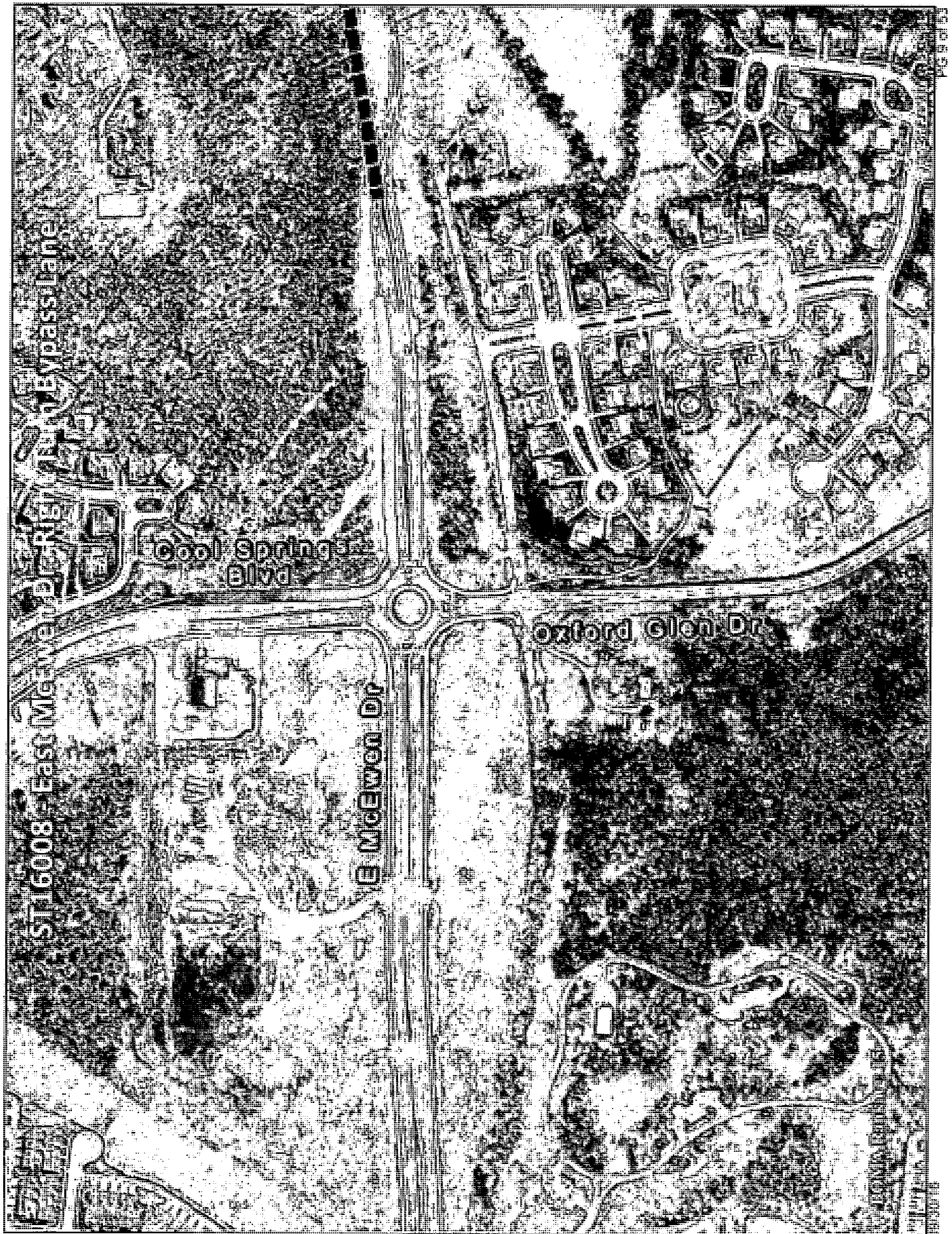
Justification
 Congestion Mitigation: The Cools Springs Area is a major employment area within Middle TN. As development continues along Carothers Parkway so does the AADT on McEwen Drive. McEwen Drive is an important East / West Connector between Nolensville, La Vergne, Smyrna and Rutherford County. In the last few years the Board has approved 5.2 Million SF of Office, 450,000 SF of retail, 700 hotel rooms and 2,418 multifamily units at the Carothers and McEwen Intersection alone. Improving this intersection will help to significantly reduce congestion for commuters trying to access the Cool Springs area.

Safety: This roundabout has one of the highest crash rates within the city. The high crash rate is probably due to lack of public understanding of how to drive through a roundabout and the high volume of traffic utilizing this roundabout. The addition of right-turn bypass lane is anticipated to reduce both congestion and accidents at this intersection.

Economic Development: The City has invested heavily in the Carothers McEwen area over the last few years. We are now seeing the private market invest millions of dollars into office and retail space along Carothers Parkway. These upgrades are needed to reduce congestion and improve safety so that we can retain and attract new businesses long term.

Expenditures	FY 17	FY 18	FY 19	FY 20	FY 21	FY 22	FY 23	FY 24	FY 25	FY 26	Total
Design/Planning (Professional Services)	70,000										70,000
ROW and Easements		350,000									350,000
Construction Engineering / Inspection			59,400								59,400
Construction			495,000								495,000
Total	70,000	350,000	554,400								974,400

Funding Sources	FY 17	FY 18	FY 19	FY 20	FY 21	FY 22	FY 23	FY 24	FY 25	FY 26	Total
Road Impact Fees	70,000	350,000	529,650								949,650
Stormwater			24,750								24,750
Total	70,000	350,000	554,400								974,400



BOMA Ranking: 3

Project #	ST16037
Project Name	Sidewalk Gaps

Department Streets
 Contact Engineering Director
 Type New
 Useful Life 20+
 Category Transportation
 Priority 4 Star Project
 Status Pending

Description	Total Cost \$1,250,000
Annual budget of \$250,000 over a 5-year period to "fill-in" gaps in the existing sidewalk network.	

Justification	Segments of sidewalk that do not have logical connections (e.g gaps) exist in many areas around the City. An dedicated budget item on an annual basis would allow the City the opportunity to complete existing sidewalk networks by "filling-in" these gaps.											
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Expenditures	FY 17	FY 18	FY 19	FY 20	FY 21	FY 22	FY 23	FY 24	FY 25	FY 26	Total
Construction	250,000	250,000	250,000	250,000	250,000						1,250,000
Total	250,000	250,000	250,000	250,000	250,000						1,250,000
Funding Sources	FY 17	FY 18	FY 19	FY 20	FY 21	FY 22	FY 23	FY 24	FY 25	FY 26	Total
General	250,000	250,000	250,000	250,000	250,000						1,250,000
Total	250,000	250,000	250,000	250,000	250,000						1,250,000

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BOMA Ranking: 4

Project #	FD16001
Project Name	Fire Station 7 (Goose Creek Area)

Department Fire
 Contact Fire Chief
 Type New
 Useful Life 20+
 Category Emergency Services
 Priority 4 Star Project
 Status Active

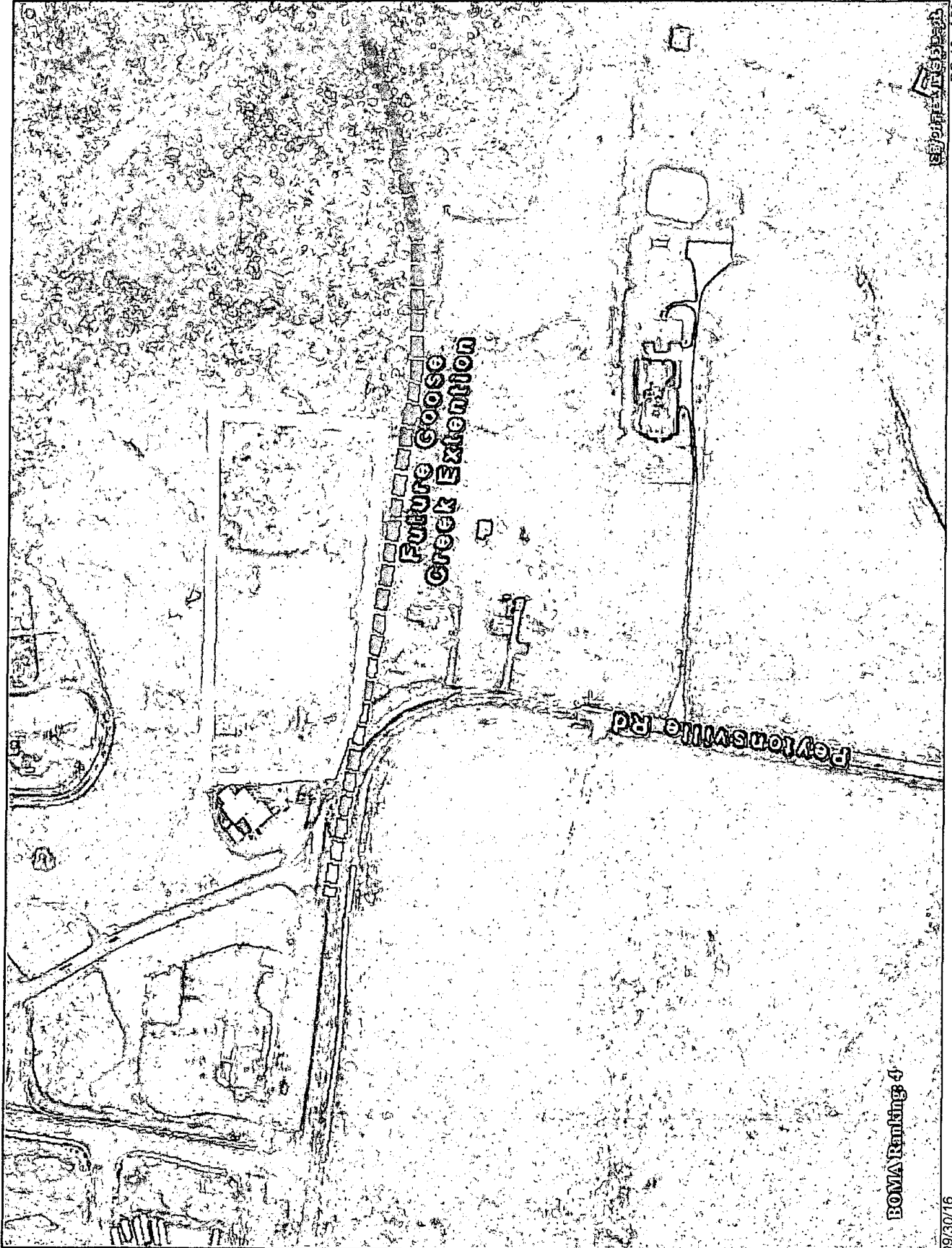
Total Cost \$4,330,000

Description	New Fire Station at the Williamson County AG Complex
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Justification	The City currently operates a temporary fire station at the Williamson County AG Complex. This temporary fire station needs to be replaced with a permanent facility.
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Expenditures	FY 17	FY 18	FY 19	FY 20	FY 21	FY 22	FY 23	FY 24	FY 25	FY 26	Total
Design/Planning (Professional Services)	80,000										80,000
Construction Engineering / Inspection		250,000									250,000
Construction		3,900,000									3,900,000
Equip/Vehicles/Furnishings			100,000								100,000
Total	80,000	4,150,000	100,000								4,330,000

Funding Sources	FY 17	FY 18	FY 19	FY 20	FY 21	FY 22	FY 23	FY 24	FY 25	FY 26	Total
Facilities Tax	80,000	4,150,000	100,000								4,330,000
Total	80,000	4,150,000	100,000								4,330,000



EOMA Ranking 4

09/30/16
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BOMA Ranking: 5

Project #	ST16009
Project Name	Franklin Road Improvements & Streetscape

Department Streets
Contact Engineering Director
Type Improvement
Useful Life 20+
Category Transportation
Priority 4 Star Project
Status Active

Total Cost \$14,340,000

Description
 Improvement of Franklin Road, from the bridge at the Harpeth River to Hooper Lane. The project shall be constructed as a three (3) facility. Project shall include: curb & gutter, street lights, ITS Infrastructure, sidewalks, and typical streetscape elements. Approximate project length of 3,500 LF.

Justification
 Congestion Mitigation: This project will provide limited congestion mitigation as it relates to vehicular traffic.

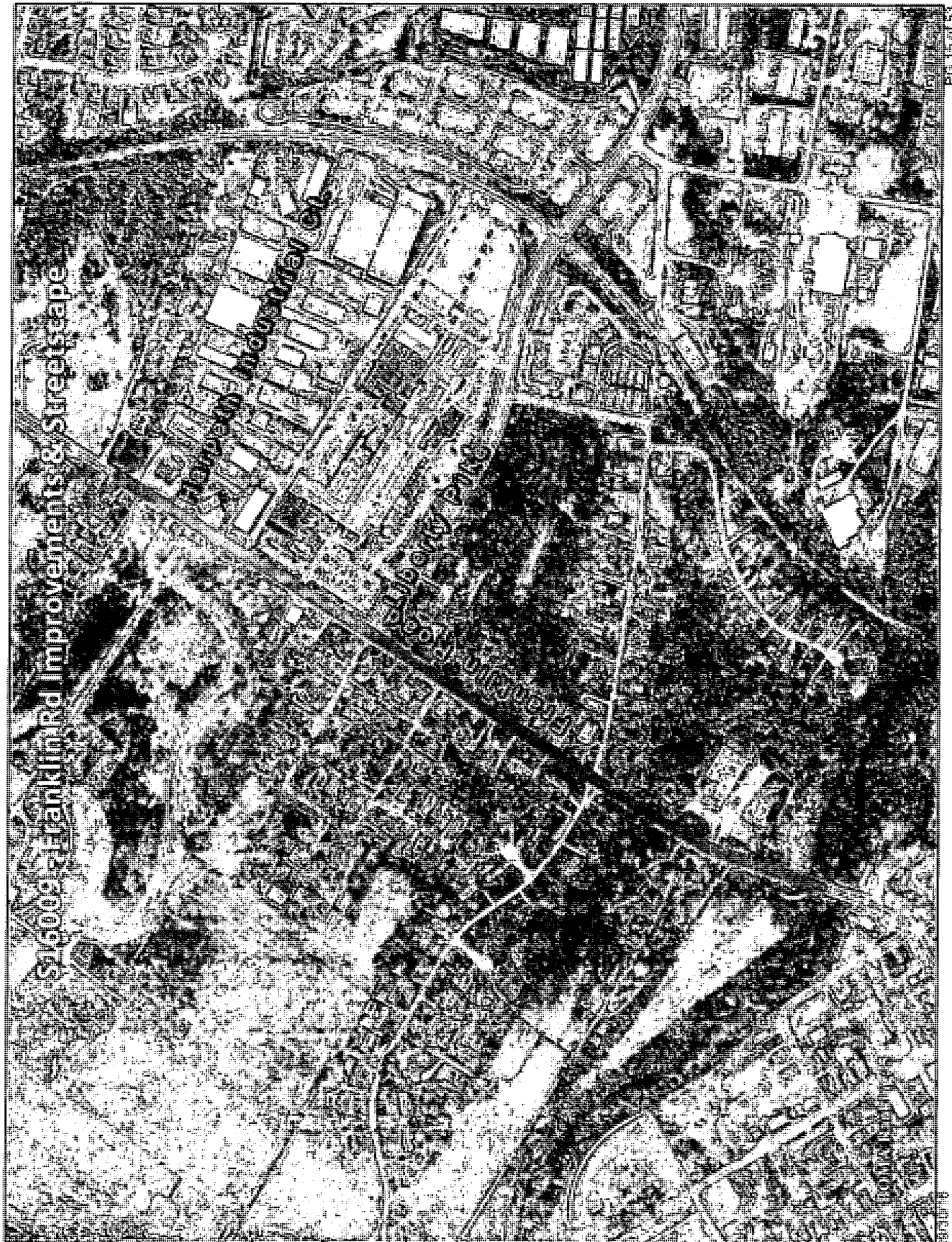
Safety: Pedestrian safety and utility upgrades are on the primary reasons for moving this project forward. This project will provide a safe way for pedestrians to access Harlinsdale Farm, Jamison Station and the Factory. As more events are moved to Harlinsdale Farm the priority of this project continues to increase.

Economic Development: Downtown Franklin is a destination point that attracts numerous visitors and business to City. We need to continue investment within our historic downtown area to ensure that it remains a safe and walkable community to all residents and visitors

Expenditures	FY 17	FY 18	FY 19	FY 20	FY 21	FY 22	FY 23	FY 24	FY 25	FY 26	Total
Design/Planning (Professional Services)		50,000									50,000
ROW and Easements		2,500,000									2,500,000
Construction Engineering / Inspection			450,000	450,000							900,000
Construction			5,445,000	5,445,000							10,890,000
Total		2,550,000	5,895,000	5,895,000							14,340,000

Funding Sources	FY 17	FY 18	FY 19	FY 20	FY 21	FY 22	FY 23	FY 24	FY 25	FY 26	Total
Road Impact Fees			4,405,450	4,405,450							11,360,900
Stormwater		2,550,000	272,250	272,250							544,500
Hotel/Motel Tax			750,000	750,000							1,500,000
Water Capacity			155,650	155,650							311,300
Wastewater Capacity			78,000	156,000							234,000
Water Renewal			155,650	155,650							311,300
Wastewater Renewal			78,000								78,000
Total		2,550,000	5,895,000	5,895,000							14,340,000

Capital Improvement Plan FY2017-2026



BOMA Ranking: 6

Project #	ST16002
Project Name	Goose Creek Interchange Lighting

Department Streets
Contact Engineering Director
Type New
Useful Life 20+
Category Transportation
Priority 3 Star Project
Status Pending

Description	Total Cost \$870,000
Interchange Lighting for Goose Creek at I-65. The City will need to partner with TDOT to fund 50% of the cost associated with this project.	

Justification	Safety: Lighted intersections and interchanges tend to have fewer crashes than unlighted intersections/interchanges. The majority of the intersection crashes at night are primarily associated with visibility.
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Expenditures	FY 17	FY 18	FY 19	FY 20	FY 21	FY 22	FY 23	FY 24	FY 25	FY 26	Total
Design/Planning (Professional Services)						60,000					60,000
Construction Engineering / Inspection							60,000				60,000
Construction							750,000				750,000
Total						60,000	810,000				870,000

Funding Sources	FY 17	FY 18	FY 19	FY 20	FY 21	FY 22	FY 23	FY 24	FY 25	FY 26	Total
General						30,000	405,000				435,000
MPO/TDOT Funding						30,000	405,000				435,000
Total						60,000	810,000				870,000



SR 16002 - Goose Creek Interchange Lighting

BOM/Planning/6

BOMA Ranking: 19

Project #	ST16038	Department	Streets
Project Name	Major Street Resurfacing	Contact	Streets Director
		Type	Maintenance
		Useful Life	10-20 years
		Category	Transportation
		Priority	2 Star Project
		Status	Pending

Total Cost \$13,800,000

Description

The resurfacing (e.g. paving) of major roadways within the City are proposed to be included in the Capital Investment Plan (CIP) as follows:

- 2017 - Cool Springs Blvd, from Mack Hatcher Pkwy to East McEwen Dr
- 2018 - Royal Oaks Blvd/Mallory Ln, from Mack Hatcher Pkwy to Cool Springs Blvd
- 2019 - Mallory Ln, from Cool Springs Blvd to Moores Ln
- 2020 - Liberty Pk, from Franklin Rd to Broadgate Dr/Waverly Pl
- 2021 - Del Rio Pk, from Cotton Ln to Hillsboro Rd
- 2022 - Carothers Pkwy, from Long Ln to Isabella Ln
- 2023 - East McEwen Dr, from Cool Springs Blvd to Wilson Pk
- 2024 - Boyd Mill Ave/Carlisle Ln, from SR-96W (Jim Warren Park) to Del Rio Pk

As expected, any scheduled maintenance would be significantly postponed by the funding over major reconstruction projects. For example, the funding of the East McEwen Drive Phase 4 Project would eliminate the immediate need to repave that section of East McEwen Drive, as repaving would be performed as a part of the reconstruction project.

Justification

Currently, the City of Franklin Streets Department primarily utilizes State Street Aid to fund the maintenance (e.g. paving) of City streets. The yearly shortfall in available funds for resurfacing projects forces the City to extend to time between pavement maintenance to an undesirable level (e.g. greater than 20 year cycle). To meet the needs of the entire City, large projects must be broken into many projects over a multi-year timespan. This can lead to shorter pavement life and less than desirable rideability.

The inclusion of major resurfacing projects in the Capital Investment Plan (CIP) would allow the Streets Department to focus their annual budget on local streets and minor collectors. This additional funding would also allow for a shorter cycle between paving cycles, which will lead to better street conditions.

Expenditures	FY 17	FY 18	FY 19	FY 20	FY 21	FY 22	FY 23	FY 24	FY 25	FY 26	Total
Construction	2,400,000	1,700,000	1,300,000	900,000	1,800,000	3,100,000	1,700,000	900,000			13,800,000
Total	2,400,000	1,700,000	1,300,000	900,000	1,800,000	3,100,000	1,700,000	900,000			13,800,000
Funding Sources	FY 17	FY 18	FY 19	FY 20	FY 21	FY 22	FY 23	FY 24	FY 25	FY 26	Total
General	2,400,000	1,700,000	1,300,000	900,000	1,800,000	3,100,000	1,700,000	900,000			13,800,000
Total	2,400,000	1,700,000	1,300,000	900,000	1,800,000	3,100,000	1,700,000	900,000			13,800,000

Capital Improvement Plan FY2017-2026

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Possible Phase II CIP Projects

Summary of Possible Phase 2 Projects

ID	Name	BOMA Rank	Reason for consideration:
FM16001	New City Hall	7	Received 5 of 9 BOMA Votes. The Board should consider future planning for City Hall.
ST16014	Franklin Rd & Mallory Station Rd Int. Improvements	8	Received 5 of 9 BOMA Votes. Significant Peak Hour Delays at the intersection.
PK16018	Eastern Flank Circle (loop Road) Repair	9	Received 4 of 9 BOMA Votes. Roadway is a maintenance problem for the Parks Department.
PK16020	Bicentennial Park Schematic Design & Construction	10	Received 4 of 9 BOMA Votes. Staff would recommend that we look at phasing the project and work with the board to determine how to proceed.
ST13030	Sidewalk Lewisburg Ave	11	Received 4 of 9 BOMA Votes. This fills in a gap within our downtown and has been requested by the residents.
ST16011	Mallory/N Royal Oaks & Liberty Intersection Imp.	16	Significate delay anticipated at this intersection due to private development / investment along the Carothers and Mallory corridor.
ST16017	Long Lane Old Peytonsville Rd Connector	17	Significate private development / investment within the Southeast area of the City. This investment is driving the need for improved connectivity to keep up with Development.
PK16013	Greenway Harlinsdale to Cheek & Fulton Greer Park	22	Possible partnership with Friends of Franklin Park and Heritage Foundation.
TOC16001	Carothers Parkway (South) ITS Extension	28	Need to extend ITS infrastructure to the Goose Creek Area due to the number of signals and need to connect to Fire Station 7.
PK16012	Pinkerton Park to Bicentennial Park	33	Possible partnership with Friends of Franklin Park and Heritage Foundation.
ST16006	Jordan Road Improvements	37	This is a rural road in an urban environment. The Roadway needs significant upgrades.
ST16013	Aspen Grove & Seaboard Ln Intersection	38	Significant peak hour delays at this intersection. The city has applied to obtain a CMAQ grant with the Nashville area MPO.
ST16018	S. Margin Infrastructure Upgrades	40	All water, sewer and storm infrastructure needs to be replaced. This is a high priority to help with operations and maintenance of the infrastructure.
PK16020	Multiuse Trail (Vera Valley -- 9 th Ave)	N/A	The City has obtained a grant from TDOT for this project. City staff recently submitted on another grant opportunity to help fund this project.
ST16005	Peytonsville Rd & Pratt Ln Intersection	N/A	The City has committed to completing this project long term.
ST16023	Multiuse Trail 1 st Ave (South Margin to Bridge)	N/A	Possible partnership with Friends of Franklin Park and Heritage Foundation.

BOMA Ranking: 7

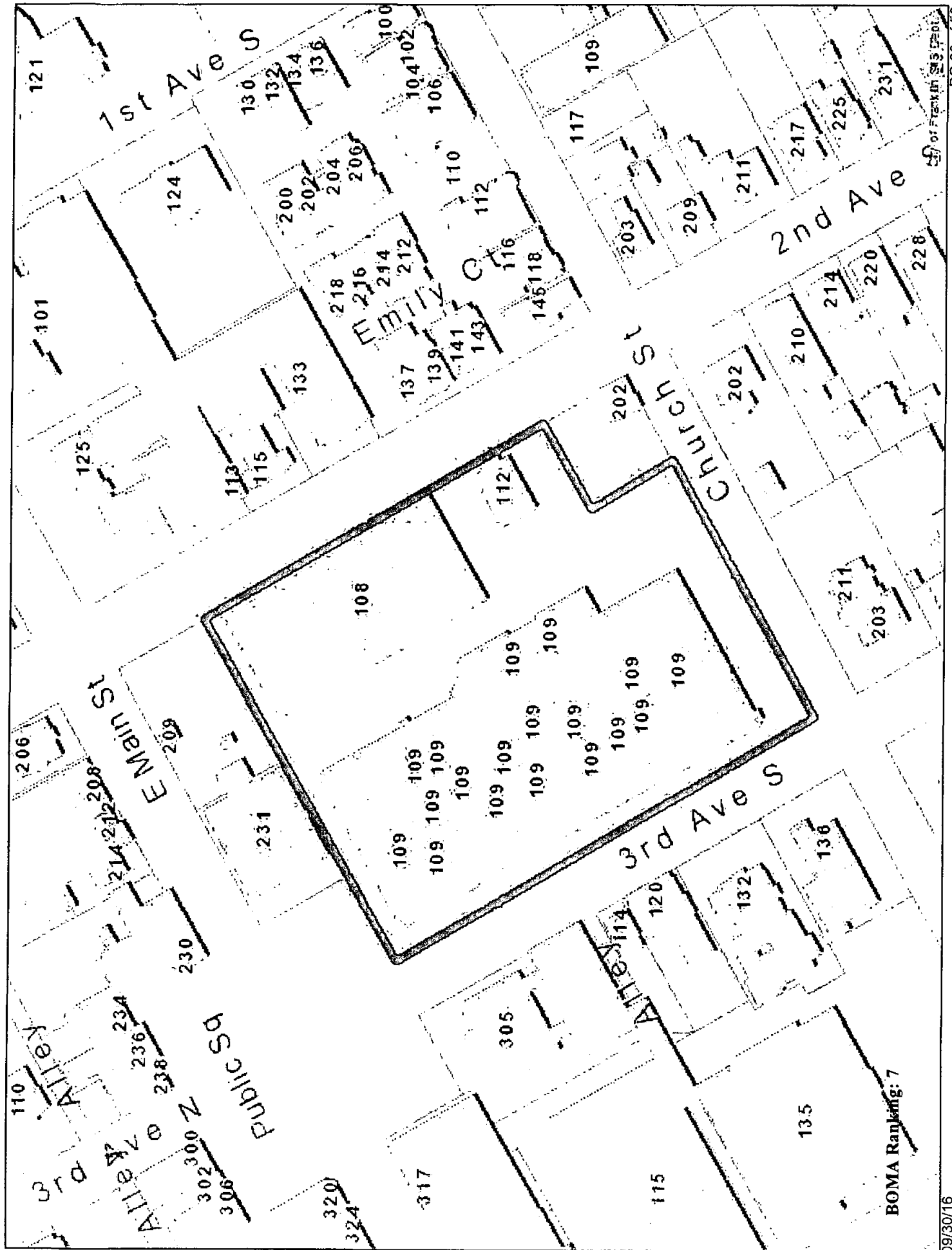
Project #	FM16001
Project Name	New City Hall

Department Project & Facilities Mgmt.
 Contact Engineering Director
 Type New
 Useful Life 20+
 Category General Services
 Priority 3 Star Project
 Status Pending

Description	Total Cost \$24,100,000										
New City Hall Building											

Justification	The City has assessed the need for a new City Hall and believes that the existing City Hall is inadequate to meet present and foreseeable future needs, given the rapid growth and increased demand for superior municipal services in Franklin.
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Expenditures	FY 17	FY 18	FY 19	FY 20	FY 21	FY 22	FY 23	FY 24	FY 25	FY 26	Total
Design/Planning (Professional Services)					400,000	400,000					800,000
Construction Engineering / Inspection						400,000	400,000	400,000			800,000
Construction						11,000,000	11,000,000	11,000,000			22,000,000
Equip/Vehicles/Furnishings									500,000		500,000
Total					400,000	400,000	11,400,000	11,400,000	500,000		24,100,000
Funding Sources	FY 17	FY 18	FY 19	FY 20	FY 21	FY 22	FY 23	FY 24	FY 25	FY 26	Total
Facilities Tax					400,000	400,000	11,400,000	11,400,000	500,000		24,100,000
Total					400,000	400,000	11,400,000	11,400,000	500,000		24,100,000



BOMA Ranking: 7

BOMA Ranking: 8

Department Streets
Contact Engineering Director
Type Improvement
Useful Life 20+
Category Transportation
Priority 3 Star Project
Status Pending

Project # ST16014

Project Name Franklin Rd & Mallory Station Rd Int. Improv.

Total Cost \$3,920,000

Description
Reconstruction of intersection at Franklin Road (SR-6/US-31) and Mallory Station Road to allow for more efficient peak hour movements. Approximate project length of 1,000 LF.

Justification

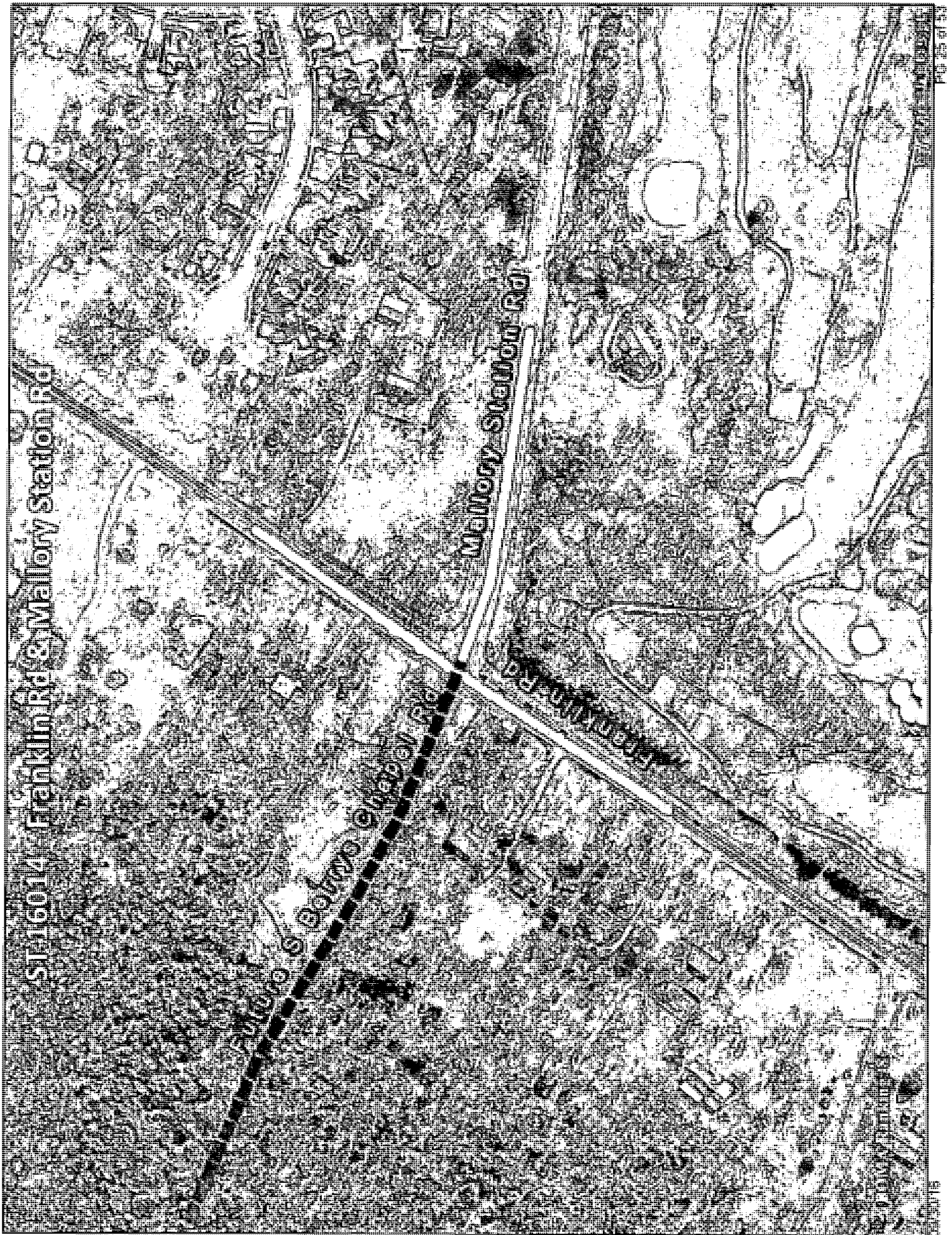
Congestion Mitigation: Capacity at this intersection is approaching failures and it currently has significant peak hour delays.

Safety: No existing safety concerns at this intersection. Pedestrian facilities should be incorporated to the intersection improvement to comply with the Cities master plan.

Economic Development: Redevelopment and future economic development along this corridor is limited. This improvement is needed to maintain our high quality of life by reducing congestion and improving safety along this Major Arterial Roadway.

Expenditures	FY 17	FY 18	FY 19	FY 20	FY 21	FY 22	FY 23	FY 24	FY 25	FY 26	Total
Design/Planning (Professional Services)		216,000									216,000
ROW and Easements			680,000								680,000
Construction Engineering / Inspection				324,000							324,000
Construction					2,700,000						2,700,000
Total		216,000	680,000	680,000	3,024,000						3,920,000

Funding Sources	FY 17	FY 18	FY 19	FY 20	FY 21	FY 22	FY 23	FY 24	FY 25	FY 26	Total
General			108,000	340,000	1,444,500						1,892,500
Road Impact Fees			108,000	340,000	1,444,500						1,892,500
Stormwater					135,000						135,000
Total		216,000	680,000	680,000	3,024,000						3,920,000



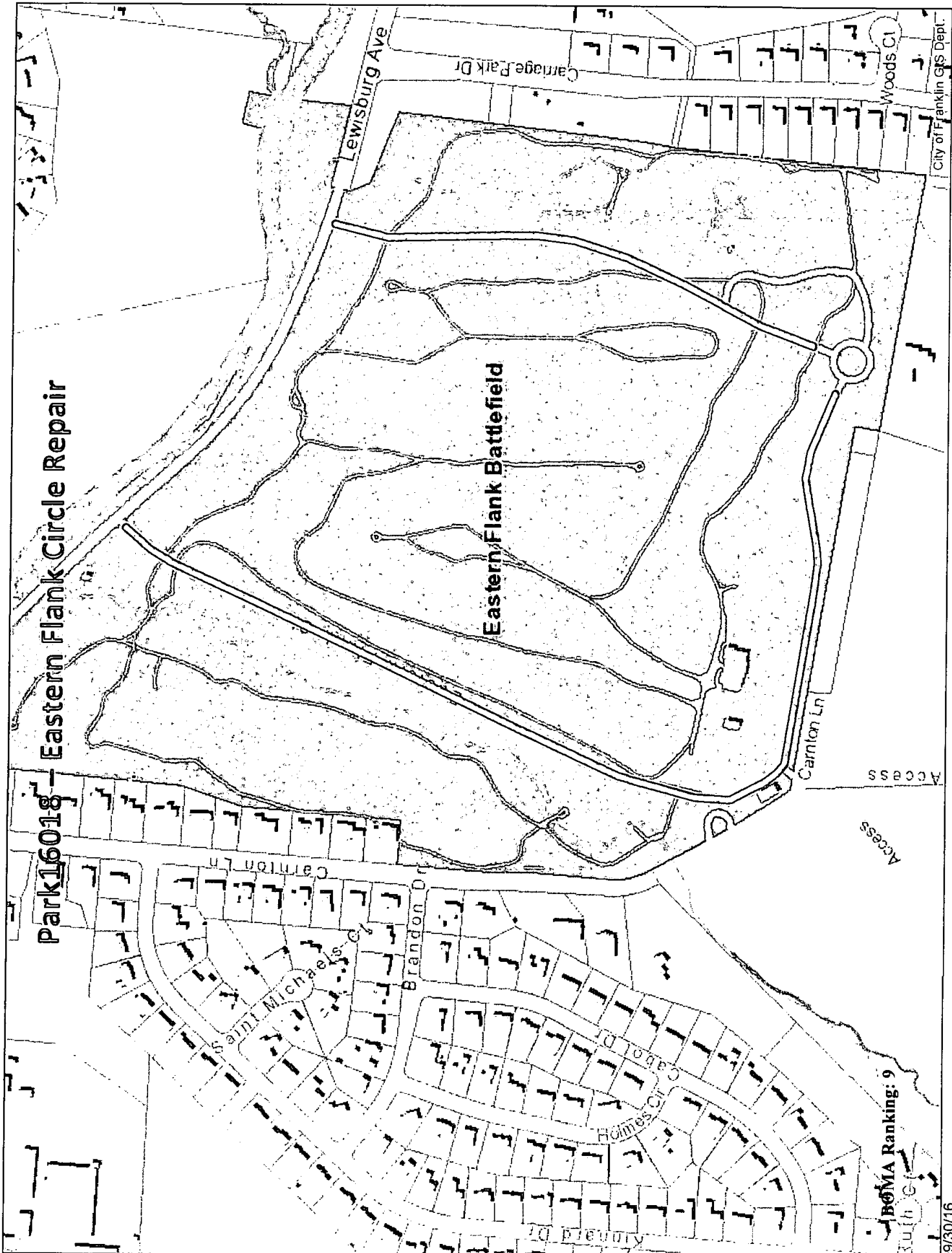
BOMA Ranking: 9

Project #	PK16018
Project Name	Eastern Flank Circle (Loop Road) Repair

Department Parks
 Contact Park Director
 Type Improvement
 Useful Life 20+
 Category Parks and Recreation
 Priority 3 Star Project
 Status Pending

Description	Total Cost \$130,000										
Cover existing DBST with West TN Mix											
Justification											

Expenditures	FY 17	FY 18	FY 19	FY 20	FY 21	FY 22	FY 23	FY 24	FY 25	FY 26	Total
Construction	130,000										130,000
Total	130,000										130,000
Funding Sources	FY 17	FY 18	FY 19	FY 20	FY 21	FY 22	FY 23	FY 24	FY 25	FY 26	Total
Hotel/Motel Tax	130,000										130,000
Total	130,000										130,000



Park 16018 - Eastern Flank Circle Repair

Eastern Flank Battlefield

BOMA Ranking: 9

BOMA Ranking: 10

Project # **PK16020**
 Project Name **Bicentennial Park Schematic Design & Construction**

Department **Parks**
 Contact **Park Director**
 Type **Improvement**
 Useful Life **20+**
 Category **Parks and Recreation**
 Priority **4 Star Project**
 Status **Active**

Total Cost **\$1,905,000**

Description

Located at 214 N. Margin St.: Update the current 2008 master plan and design for construction of a paving system or ground cover for the park surrounding the Bicentennial park pavilion, east side of the park and the Worley property if purchased by the City. Design and prepare construction documents to include but not limited to soil testing, stormwater management needs, vehicular load requirements, local regulations and flood restrictions. Project areas are highlighted.

Justification

Expenditures	FY 17	FY 18	FY 19	FY 20	FY 21	FY 22	FY 23	FY 24	FY 25	FY 26	Total
Design/Planning (Professional Services)	145,000										145,000
Construction Engineering / Inspection		100,000	100,000								200,000
Construction		780,000	780,000								1,560,000
Total	145,000	880,000	880,000								1,905,000
Funding Sources	FY 17	FY 18	FY 19	FY 20	FY 21	FY 22	FY 23	FY 24	FY 25	FY 26	Total
Hotel/Motel Tax	145,000	880,000	880,000								1,905,000
Total	145,000	880,000	880,000								1,905,000

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BOMA Ranking: 11

Project #	ST16030
Project Name	Sidewalk Lewisburg Ave

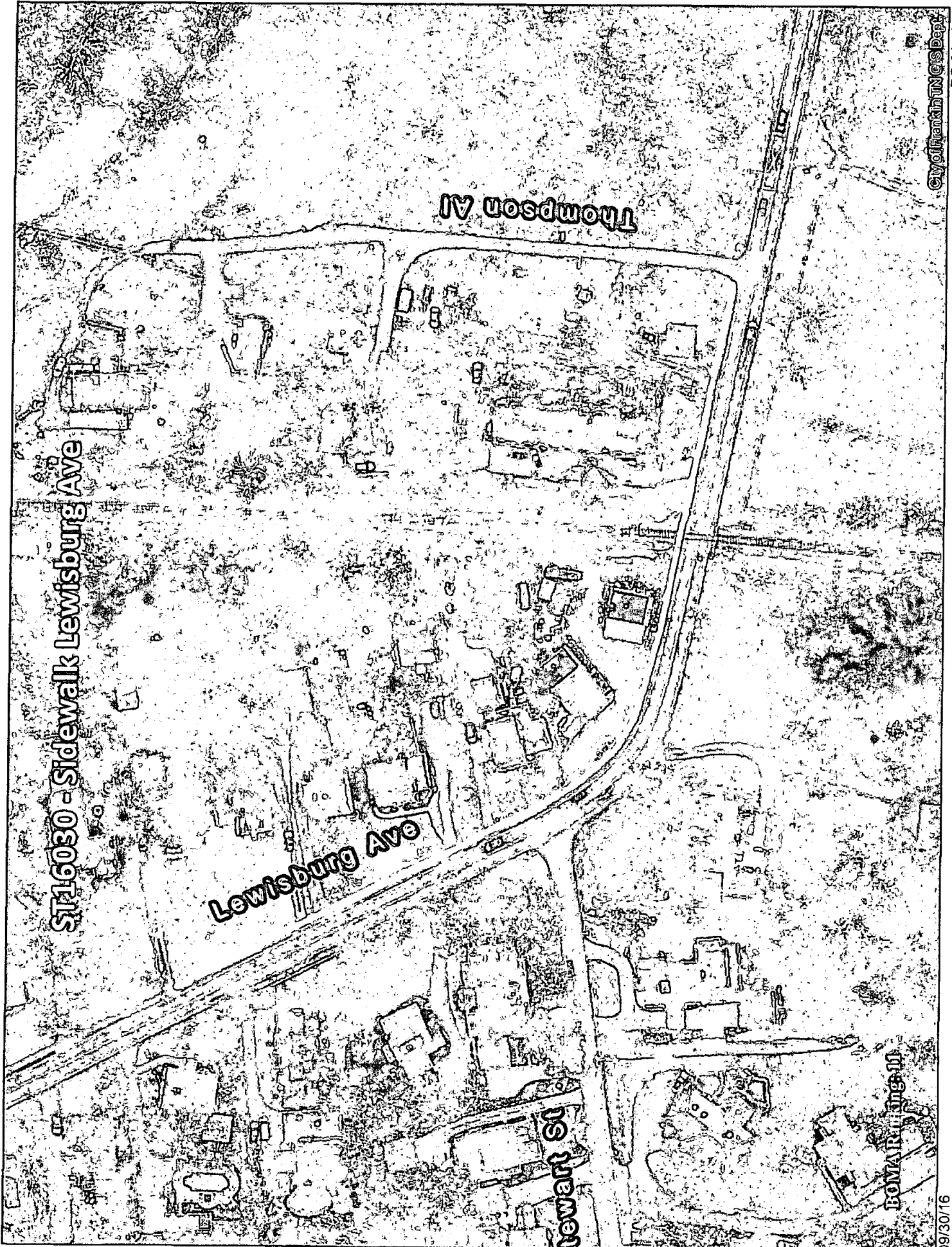
Department Streets
 Contact Engineering Director
 Type Improvement
 Useful Life 20+
 Category Transportation
 Priority 4 Star Project
 Status Pending

Total Cost \$580,000

Description
Build a sidewalk along the north side of Lewisburg Ave. This project will require the installation of curb and gutter, storm infrastructure and a rebuilding at least one lane of traffic.

Justification
This will provide additional sidewalk in our downtown and provide connectivity to Thompson Alley and the Park.

Expenditures	FY 17	FY 18	FY 19	FY 20	FY 21	FY 22	FY 23	FY 24	FY 25	FY 26	Total
Design/Planning (Professional Services)	80,000										80,000
ROW and Easements		100,000									100,000
Construction			400,000								400,000
Total	80,000	100,000	400,000								580,000
Funding Sources	FY 17	FY 18	FY 19	FY 20	FY 21	FY 22	FY 23	FY 24	FY 25	FY 26	Total
General	80,000	100,000	400,000								580,000
Total	80,000	100,000	400,000								580,000



ST16030 - Sidewalk Lewisburg Ave

Lewisburg Ave

Thompson Al

Stewart St

POWELL

BOMA Ranking: 16

Project #	ST16011
Project Name	Mallory/N Royal Oaks & Liberty Intersection Imp.

Department Streets
 Contact Engineering Director
 Type Improvement
 Useful Life 20+
 Category Transportation
 Priority 3 Star Project
 Status Pending

Total Cost \$4,440,000

Description

Intersection improvements to North Royal Oaks Boulevard, Liberty Pike and Mallory Lane. This intersection is projected to be at a failure level in the next 3-4 years based on the proposed development along Carothers Parkway. If this project is not completed, there will be significant delays at this key intersection.

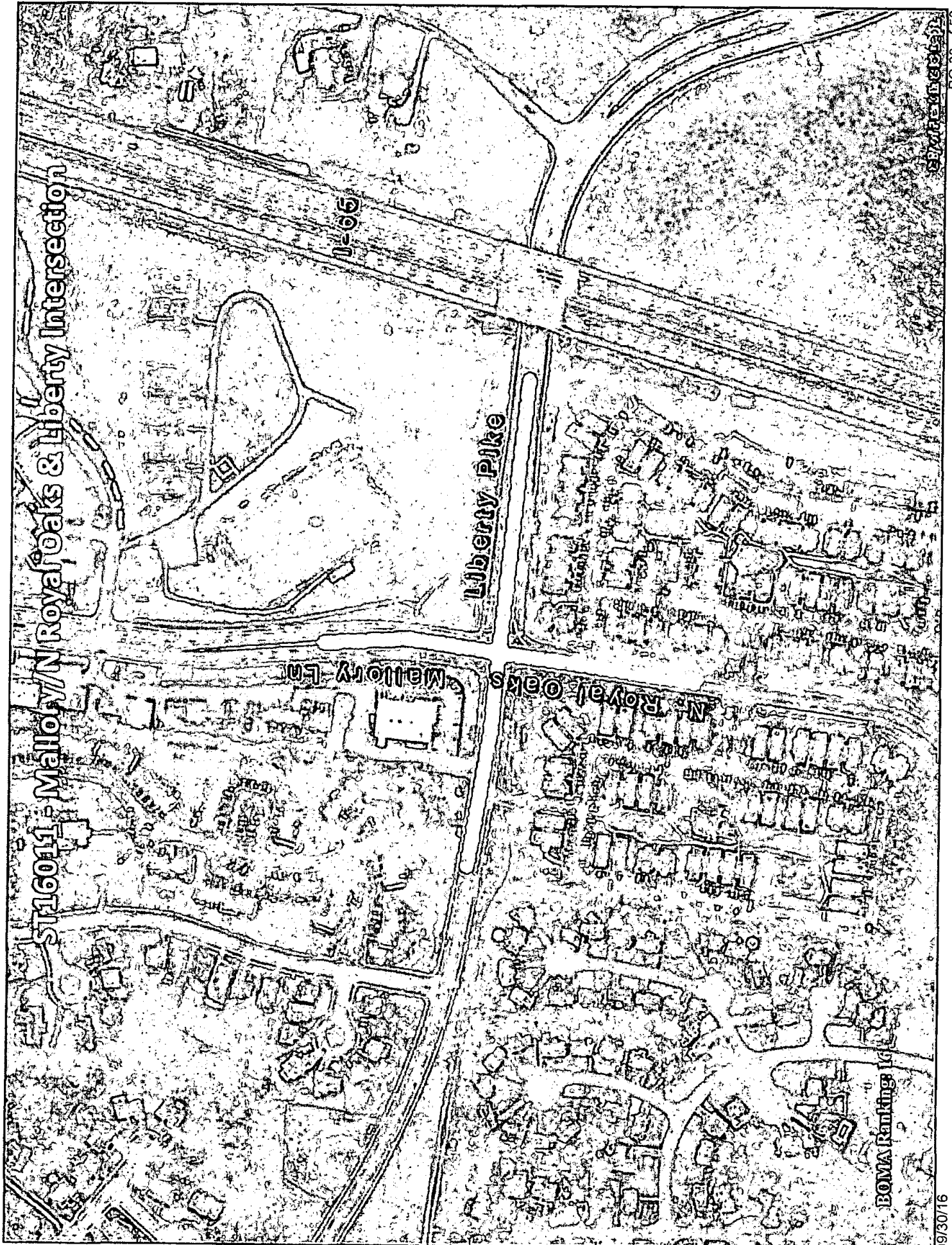
Justification

Congestion Mitigation: It is anticipated that this roadway will reach failure levels within the next 5 years. The increased traffic is a result of all the development along Carothers Parkway and other areas within Cool Springs.

Safety: No existing safety concerns at this intersection. Pedestrian facilities should be incorporated to the intersection improvements to comply with the Cities master plan.

Economic Development: Redevelopment and future economic development in the Cool Springs area continues. This improvement is needed to maintain our high quality of life by reducing congestion and improving safety along this Major Arterial Roadway.

Expenditures	FY 17	FY 18	FY 19	FY 20	FY 21	FY 22	FY 23	FY 24	FY 25	FY 26	Total
Design/Planning (Professional Services)				216,000							216,000
ROW and Easements					1,200,000						1,200,000
Construction Engineering / Inspection						324,000					324,000
Construction						2,700,000					2,700,000
Total				216,000	1,200,000	3,024,000					4,440,000
Funding Sources	FY 17	FY 18	FY 19	FY 20	FY 21	FY 22	FY 23	FY 24	FY 25	FY 26	Total
Road Impact Fees				216,000	1,200,000	2,721,400					4,137,400
Stormwater						135,000					135,000
Water Capacity						55,000					55,000
Wastewater Renewal						112,600					112,600
Total				216,000	1,200,000	3,024,000					4,440,000



BOMA Ranking: 17

Project #	ST16017
Project Name	Long Lane/Old Peytonsville Rd Connector at I-65

Department Streets
 Contact Engineering Director
 Type Improvement
 Useful Life 20+
 Category Transportation
 Priority 3 Star Project
 Status Active

Total Cost \$12,790,000

Description
 Included in the update to the Major Thoroughfare Plan are 2 crossings of I-65. This project is one of those crossings as is intended to connect Old Peytonsville Road with Long Lane. The main advantage of this crossing is to allow for traffic interconnectivity across I-65 without having to use Goose Creek By-Pass or Highway 96. Limits of construction are from Five Mile Creek Bridge to 500 feet east of Baskin Property. Approximately 2,500 LF.

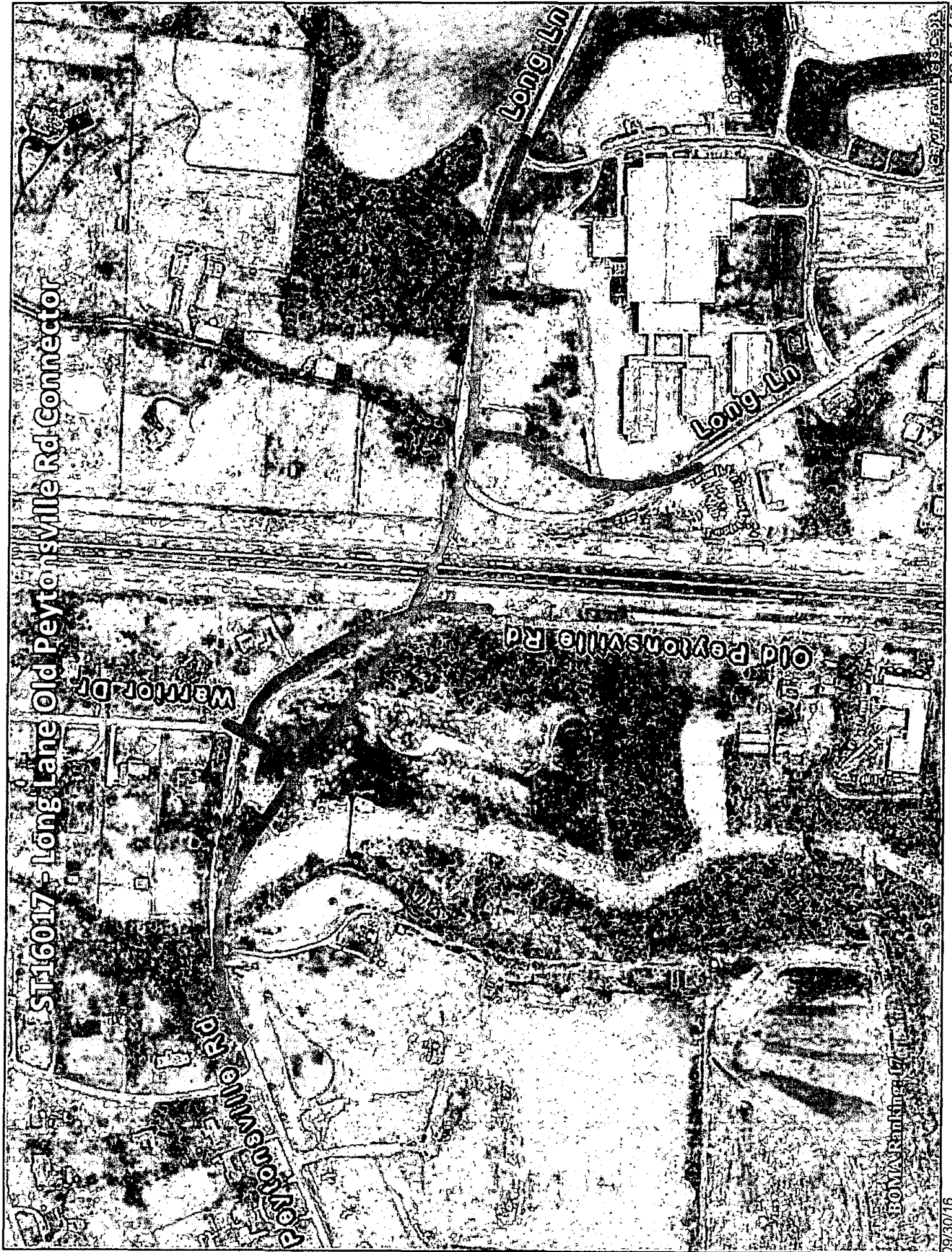
Justification
 Congestion Mitigation: AADT on Carothers Parkway and Lewisburg Pike is expected to reach 25,000 VPD. The Board has approved numerous developments in the South East section of the City. Approvals include approximately 2,663 Single Family Units, 2,004 Multi-Family Units, 1.8 Million SF in Retail and 3.4 Million SF in Office/Civic Development. In addition TDOT has approved 7 traffic signals along Goose Creek Bypass. This option will provide an important alternative route to avoid future congestion.

Safety: As traffic increases on Carothers Parkway and Lewisburg Pike this roadway will become increasingly important. This connection will help reduce traffic on our arterial roadways and provide options to avoid future congestion at the Goose Creek Interchange.
 Economic Development: This roadway will help future and existing businesses in the area by reducing congestion and making this an attractive place to live and work.

Expenditures	FY 17	FY 18	FY 19	FY 20	FY 21	FY 22	FY 23	FY 24	FY 25	FY 26	Total
Design/Planning (Professional Services)				450,000							450,000
ROW and Easements					4,500,000						4,500,000
Construction Engineering / Inspection					420,000	420,000					840,000
Construction					3,500,000	3,500,000					7,000,000
Total				450,000	8,420,000	3,920,000					12,790,000

Funding Sources	FY 17	FY 18	FY 19	FY 20	FY 21	FY 22	FY 23	FY 24	FY 25	FY 26	Total
General				450,000	8,032,000	3,532,000					12,014,000
Stormwater					175,000	175,000					350,000
Water Capacity					49,500						49,500
Wastewater Capacity						49,500					49,500
Reclaimed Water Capacity					90,000	90,000					180,000
Water Renewal					49,500						49,500
Wastewater Renewal					24,000	73,500					97,500
Total				450,000	8,420,000	3,920,000					12,790,000

Capital Improvement Plan FY2017-2026



BOMA Ranking: 22

Project #	PK16013
Project Name	Greenway & Bridge (Harlinsdale to Fulton Greer)

Department Parks
 Contact Park Director
 Type New
 Useful Life 20+
 Category Parks and Recreation
 Priority 3 Star Project
 Status Pending

Total Cost \$652,944

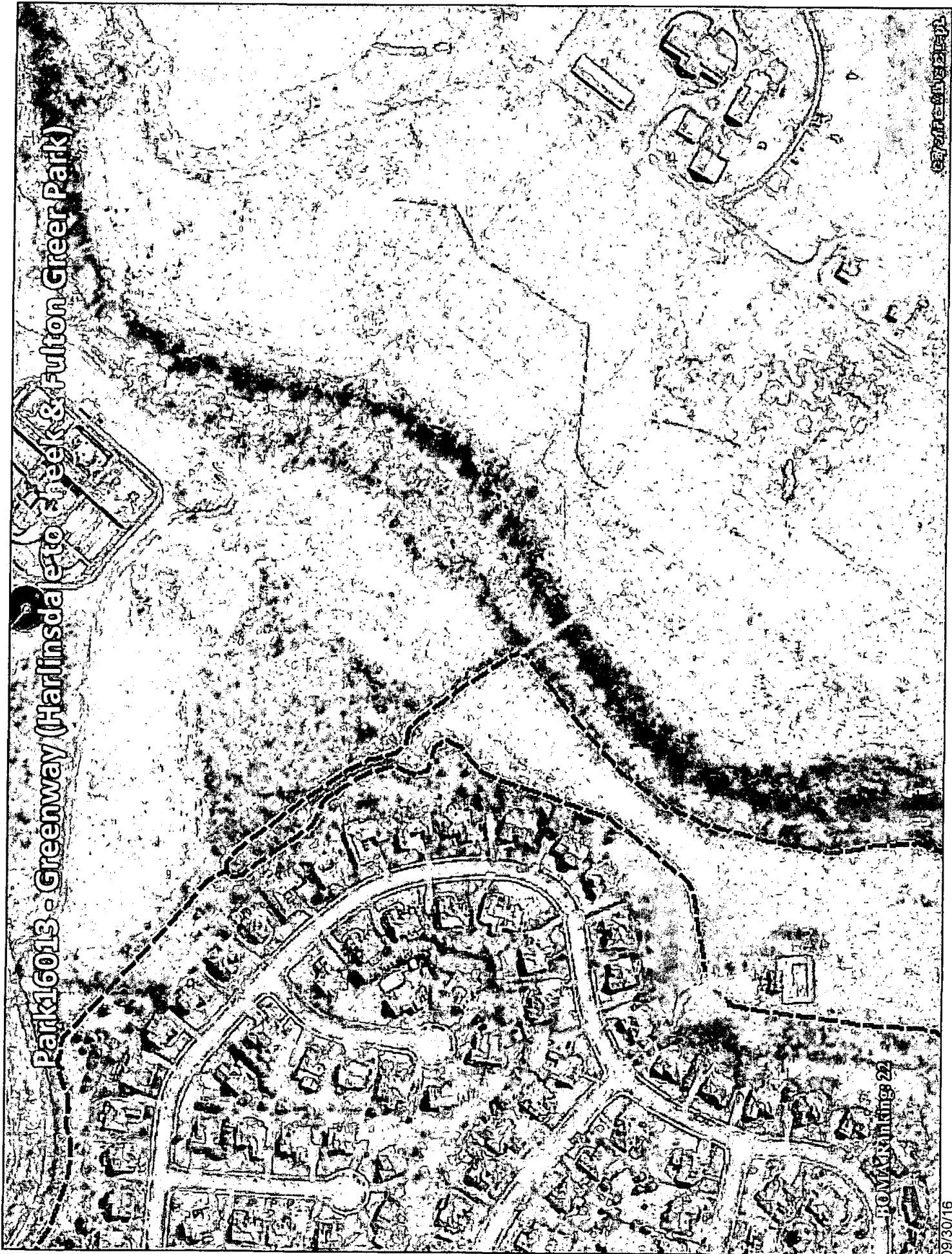
Description

This trail segment connects large sections of existing trails maintained by Williamson County Parks and Recreation, formerly Chestnut Bend HOA through open space along the Harpeth and Williamson County trails through Cheek Park and Judge Fulton Greer Park. A bridge to connect the internal trails at the Park at Harlinsdale to the existing Chestnut Bend trails. Sign kiosk, trailhead at Harlinsdale, Cheek Park and at Judge Fulton Greer locations.

Justification

Expenditures	FY 17	FY 18	FY 19	FY 20	FY 21	FY 22	FY 23	FY 24	FY 25	FY 26	Total
Design/Planning (Professional Services)					110,000						110,000
Construction Engineering / Inspection						537,900					537,900
Equip/Vehicles/Furnishings						5,044					5,044
Total					110,000	542,944					652,944
Funding Sources	FY 17	FY 18	FY 19	FY 20	FY 21	FY 22	FY 23	FY 24	FY 25	FY 26	Total
Parkland Dedication					110,000	542,944					652,944
Total					110,000	542,944					652,944

Park16013 - Greenway (Harlinsdale & Fulton Greer Park)



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BOMA Ranking: 28

Project #	TOC16001
Project Name	Carothers Parkway (South) ITS Extension

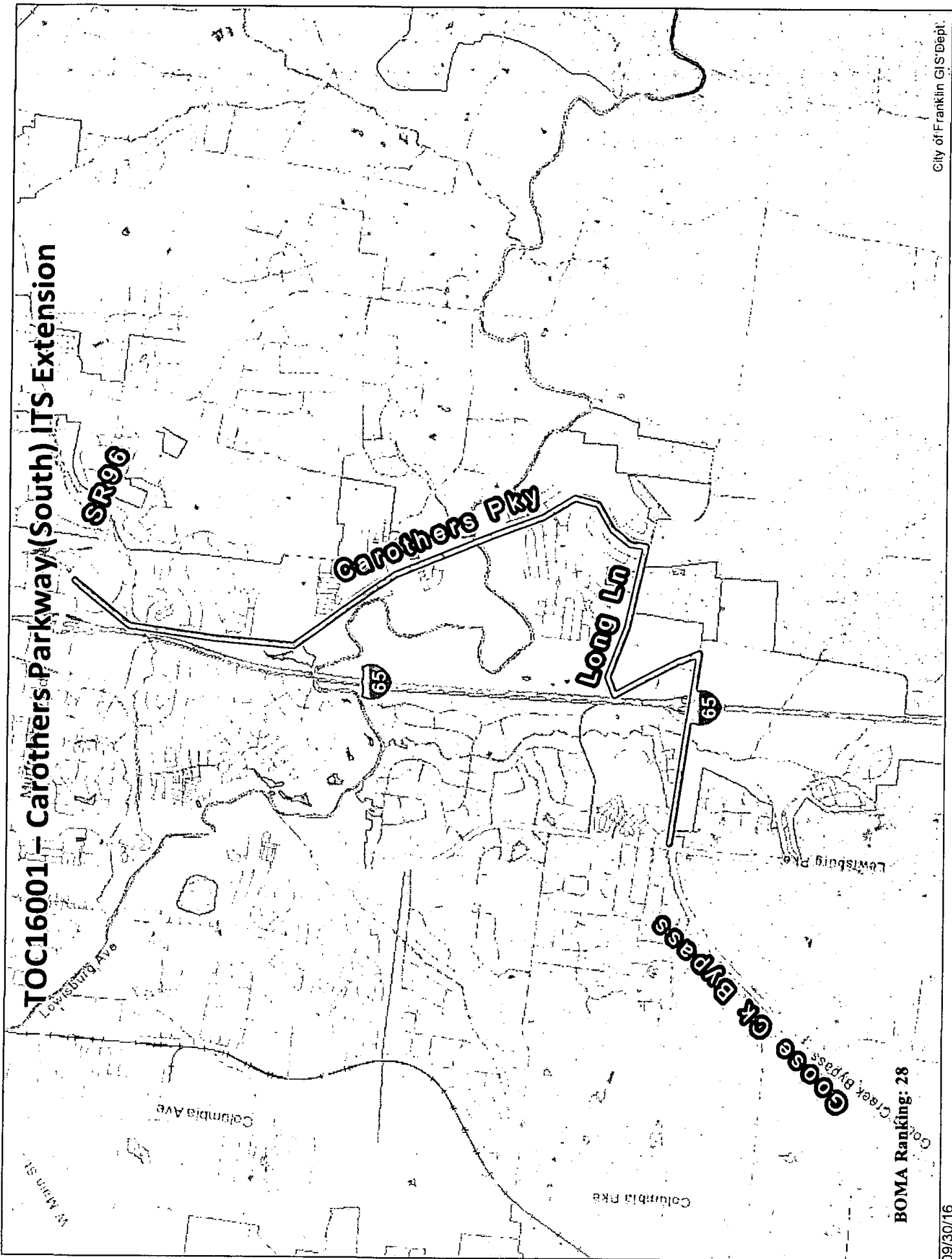
Department Traffic Ops. Center (TOC)
 Contact Engineering Director
 Type New
 Useful Life 10-20 years
 Category Transportation
 Priority 4 Star Project
 Status Pending

Description	Total Cost \$1,375,000
Project includes: 35,000 LF fiber optic cable, 13,000 LF of conduit with pull boxes, and five (5) closed caption television (CCTV) cameras.	
Justification	

The project will provide communication to/from Carothers Parkway (from Long Lane to Murfreesboro Road), Fire Station 7 (Ag Center), the seven (7) intersections along Goose Creek Bypass (SR-248) and Peytonsville Road (from Lewisburg Pike to Long Lane), and the existing CCTV camera at Lewisburg Pike (SR-106/US-431). Approximate project length is 35,000 LF.

Expenditures	FY 17	FY 18	FY 19	FY 20	FY 21	FY 22	FY 23	FY 24	FY 25	FY 26	Total
Design/Planning (Professional Services)	125,000										125,000
Construction Engineering / Inspection	20,000	30,000									50,000
Construction	400,000	800,000									1,200,000
Total	545,000	830,000									1,375,000

Funding Sources	FY 17	FY 18	FY 19	FY 20	FY 21	FY 22	FY 23	FY 24	FY 25	FY 26	Total
General	545,000	830,000									1,375,000
Total	545,000	830,000									1,375,000



TOC16001 – Carothers Parkway (South) ITS Extension

BOMA Ranking: 28

BOMA Ranking: 33

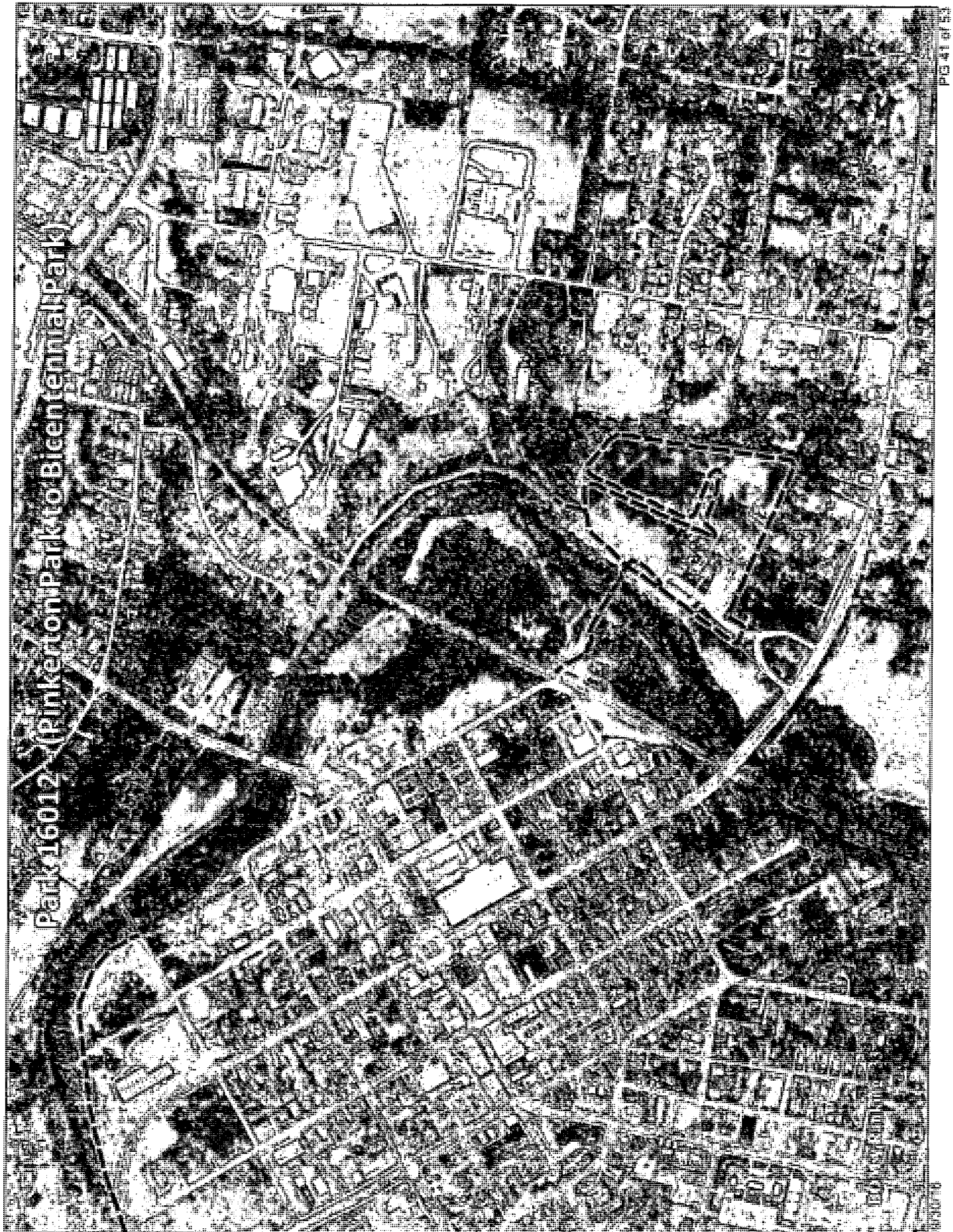
Project #	PK16012
Project Name	Greenway (Pinkerton to Bicentennial)

Department	Parks
Contact	Park Director
Type	New
Useful Life	20+
Category	Parks and Rec
Priority	3 Star Project
Status	Pending

Description	Total Cost	Status	Pending
From the existing trails at Pinkerton Park, the Greenway would head north and west along the banks of the Harpeth River, this time hugging a small shelf below Fort Granger Park as the trail approaches Downtown Franklin. City-owned property on the north side of the Harpeth and the Battleground Academy property provide trailhead opportunities. A crosswalk over Franklin Road would be required and these would connect via sidewalk to Downtown Franklin. The Greenway continues west along the north bank of the Harpeth until it is across the Harpeth River from Bicentennial Park which connects into existing trails within Bicentennial Park along the Harpeth River to the Williamson County Recreation Center. Potential trailhead and kiosk with permeable parking at city owned property on Daniels Drive.	\$5,710,126		

Justification

[illegible][illegible]



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BOMA Ranking: 37

Project #	ST16006
Project Name	Jordan Road Improvements

Department Streets
Contact Engineering Director
Type Improvement
Useful Life 20+
Category Transportation
Priority 4 Star Project
Status Active

Total Cost \$2,062,000

Description
 Improvement of Jordan Road, from Aspen Grove Road to Mallory Lane. Reconstruction of Jordan Road to City standard two (2) lane facility with turn lanes as required. Project shall include: curb & gutter, ITS Infrastructure, and accommodations for pedestrians and bicycles. Approximate project length of 1,700 LF.

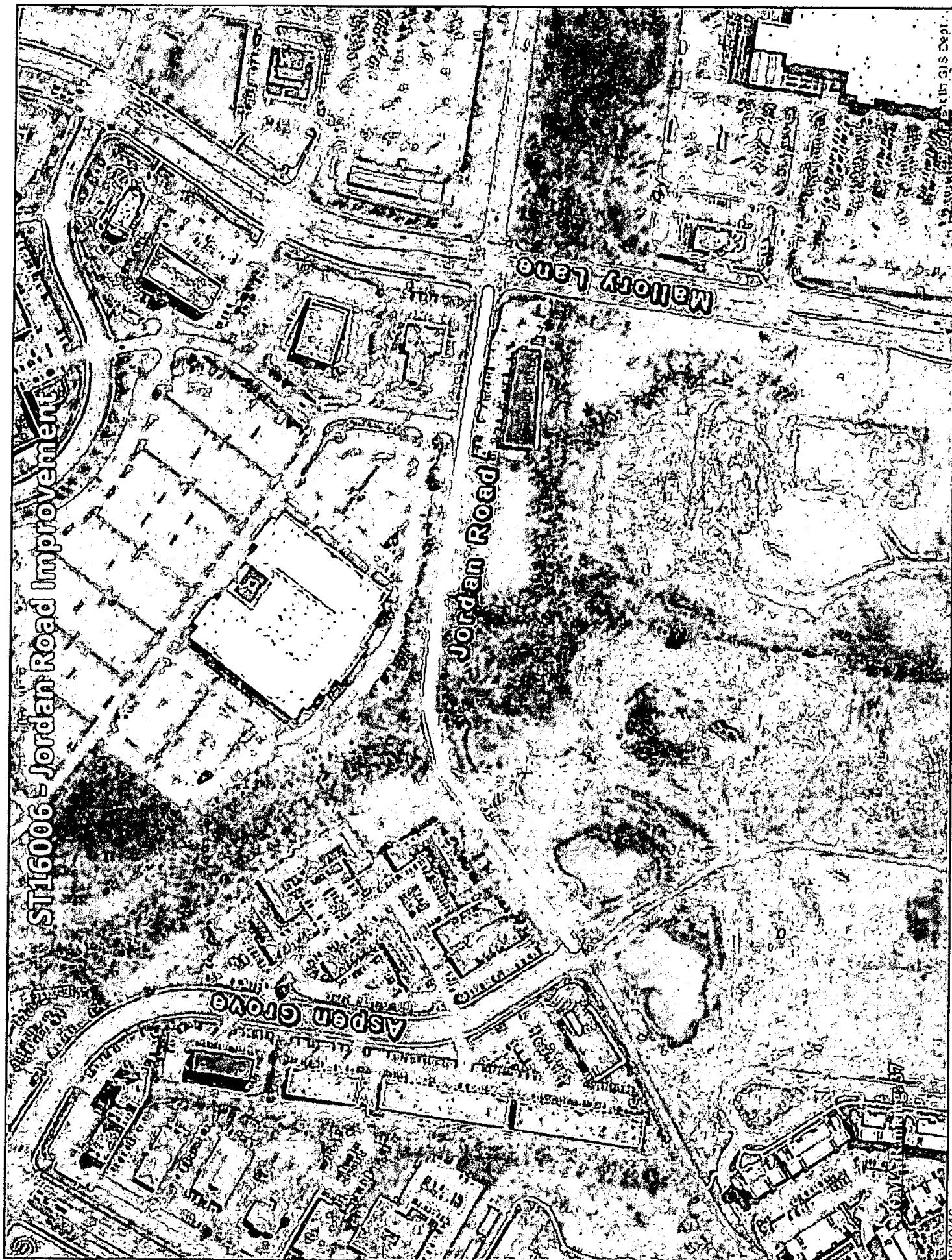
Justification
 Congestion Mitigation: As McEwen Town Center develops out this roadway will become extremely important to help reduce traffic on Mallory Ln, Cool Springs Blvd and Mallory Lane. The developer of McEwen Town Center was required to improve Jordan Road; however, those conditions were removed by the FMPC and BOMA.

Safety: This rural roadway is located in a very urban area and has extremely narrow lanes and significant geometric issues that need to be corrected. Ideally this would happen as McEwen Town Center develops out its remaining property.

Economic Development: Redevelopment and future economic development in the Cool Springs area continues to occur. Upgrades are needed to reduce congestion and improve safety so that we can retain and attract new businesses long term.

Expenditures	FY 17	FY 18	FY 19	FY 20	FY 21	FY 22	FY 23	FY 24	FY 25	FY 26	Total
Design/Planning (Professional Services)			50,000								50,000
ROW and Easements				500,000							500,000
Construction Engineering / Inspection					162,000						162,000
Construction					1,350,000						1,350,000
Total			50,000	500,000	1,512,000						2,062,000

Funding Sources	FY 17	FY 18	FY 19	FY 20	FY 21	FY 22	FY 23	FY 24	FY 25	FY 26	Total
General			50,000	500,000	1,418,100						1,968,100
Stormwater					67,500						67,500
Wastewater Renewal					26,400						26,400
Total			50,000	500,000	1,512,000						2,062,000



STR16006 - Jordan Road Improvement

BOMA Ranking: 38

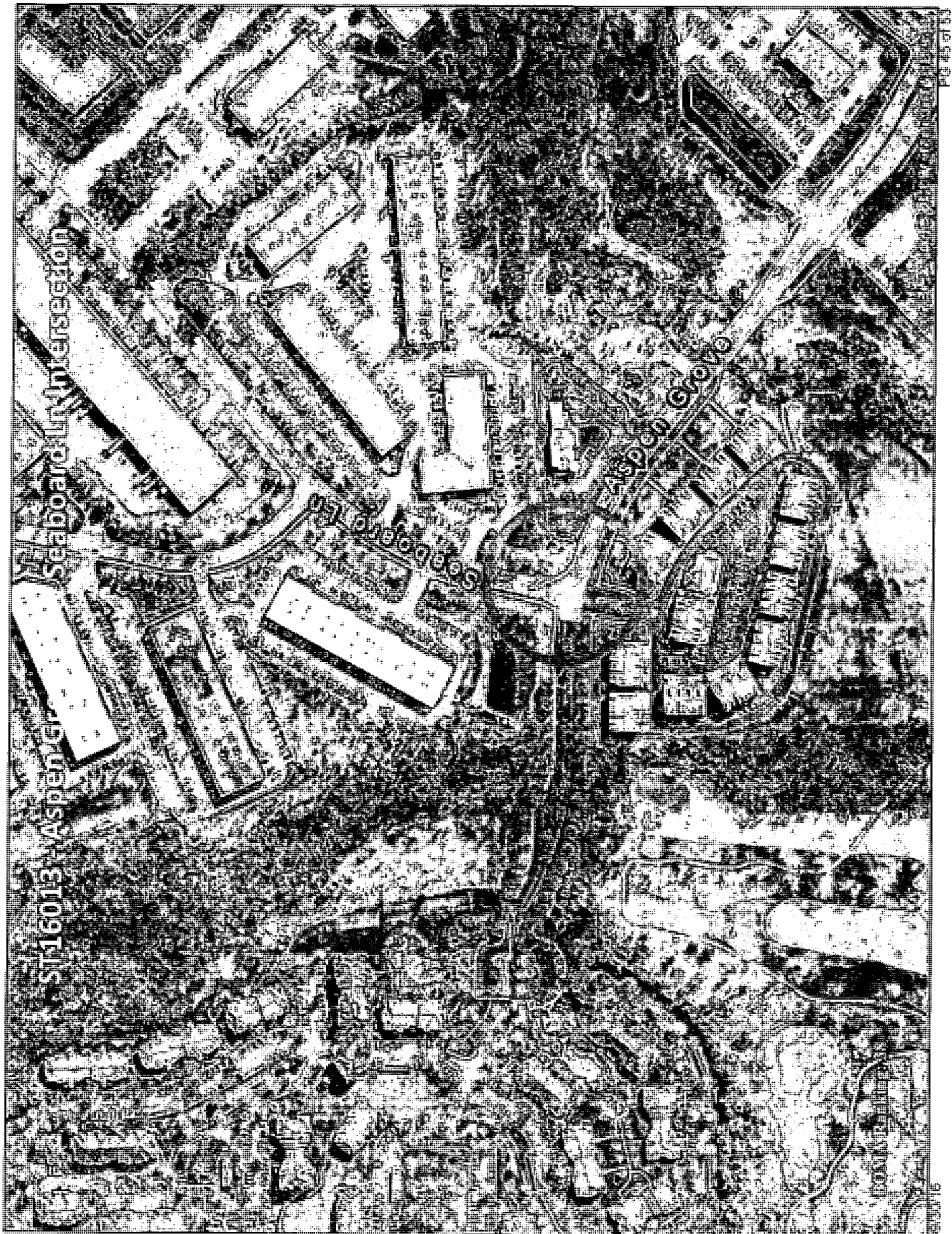
Project #	ST16013
Project Name	Aspen Grove Dr & Seaboard Ln Intersection Improv.

Department Streets
Contact Engineering Director
Type Improvement
Useful Life 20+
Category Transportation
Priority 2 Star Project
Status Active

Description	Total Cost \$1,708,000
Reconstruction of intersection at Aspen Grove Drive and Seaboard Lane to allow for more efficient peak hour movements. Approximate project length of 1,000 LF.	

Justification	
Congestion Mitigation: Capacity at this intersection is at failure levels during both the AM and PM peak hours. The Board has funded a project for city staff to evaluate and make recommendations to the full BOMA on possible solutions. Safety: Pedestrian facilities should be incorporated into the intersection improvement project to comply with the Cities long range master plan. Economic Development: Redevelopment and future economic development along this corridor is possible. Upgrades are needed to reduce congestion so that we can retain and attract new businesses long term.	

Expenditures	FY 17	FY 18	FY 19	FY 20	FY 21	FY 22	FY 23	FY 24	FY 25	FY 26	Total
Design/Planning (Professional Services)				50,000							50,000
ROW and Easements					650,000						650,000
Construction Engineering / Inspection						108,000					108,000
Construction						900,000					900,000
Total				50,000	650,000	1,008,000					1,708,000
Funding Sources	FY 17	FY 18	FY 19	FY 20	FY 21	FY 22	FY 23	FY 24	FY 25	FY 26	Total
General				50,000	650,000	963,000					1,663,000
Stormwater						45,000					45,000
Total				50,000	650,000	1,008,000					1,708,000



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BOMA Ranking: 40

Project #	ST16018
Project Name	S. Margin Infrastructure Upgrades (1st - Columbia)

Department Streets
 Contact
 Type Improvement
 Useful Life 20+
 Category Transportation
 Priority 4 Star Project
 Status Pending

Total Cost \$7,393,680

Description

This project is to upgrade Sanitary Sewer, Water and Stormwater infrastructure in our historic downtown area. We are having issues with all utilities along this corridor and they are in need of upgrades and replacement.

The existing stormwater system mainly consists of a series of intermittent roadside ditches and culverts. This area has been a problem since the early 90's with no improvements made. The roadways lack drainage infrastructure. This infrastructure is needed to help protect localized flooding during heavy rain events. This project would also include the install of a water quality feature at the Harpeth River. The goal is to extend infrastructure into the Parkview Area to address localized flooding.

Justification

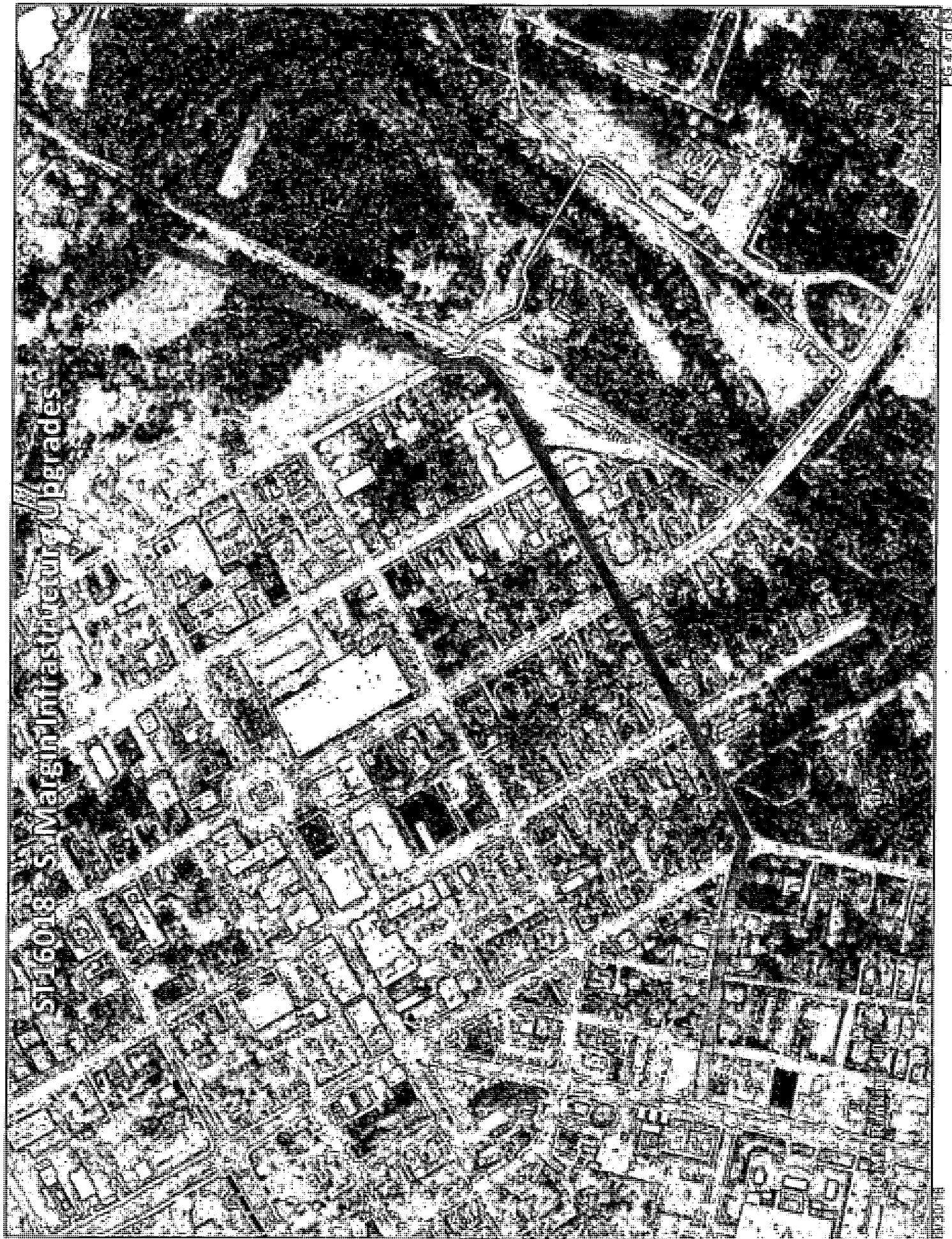
Congestion Mitigation: Congestion along S. Margin Street is very heavy during peak hours and events. This project would not increase vehicular capacity but would provide need and key pedestrian connections within our historic downtown area.

Safety: Providing sidewalks and street lights in our historic downtown area will help ensure our downtown remains a safe and walkable community.

Expenditures	FY 17	FY 18	FY 19	FY 20	FY 21	FY 22	FY 23	FY 24	FY 25	FY 26	Total
Design/Planning (Professional Services)	171,456	171,456									342,912
ROW and Easements			2,250,000								2,250,000
Construction Engineering / Inspection				514,368							514,368
Construction				4,286,400							4,286,400
Total	171,456	171,456	2,250,000	4,800,768							7,393,680

Funding Sources	FY 17	FY 18	FY 19	FY 20	FY 21	FY 22	FY 23	FY 24	FY 25	FY 26	Total
General	171,456	171,456	2,250,000	3,220,158							5,813,070
Stormwater				642,960							642,960
Water Renewal				294,690							294,690
Wastewater Renewal				642,960							642,960
Total	171,456	171,456	2,250,000	4,800,768							7,393,680

Capital Improvement Plan FY2017-2026



ST16018 - San Margin Infrastructure Upgrades

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BOMA Ranking: N/A

Project #	ST16020
Project Name	Multi-Use Trail SR-96W (Vera Valley Dr - 9th Ave)

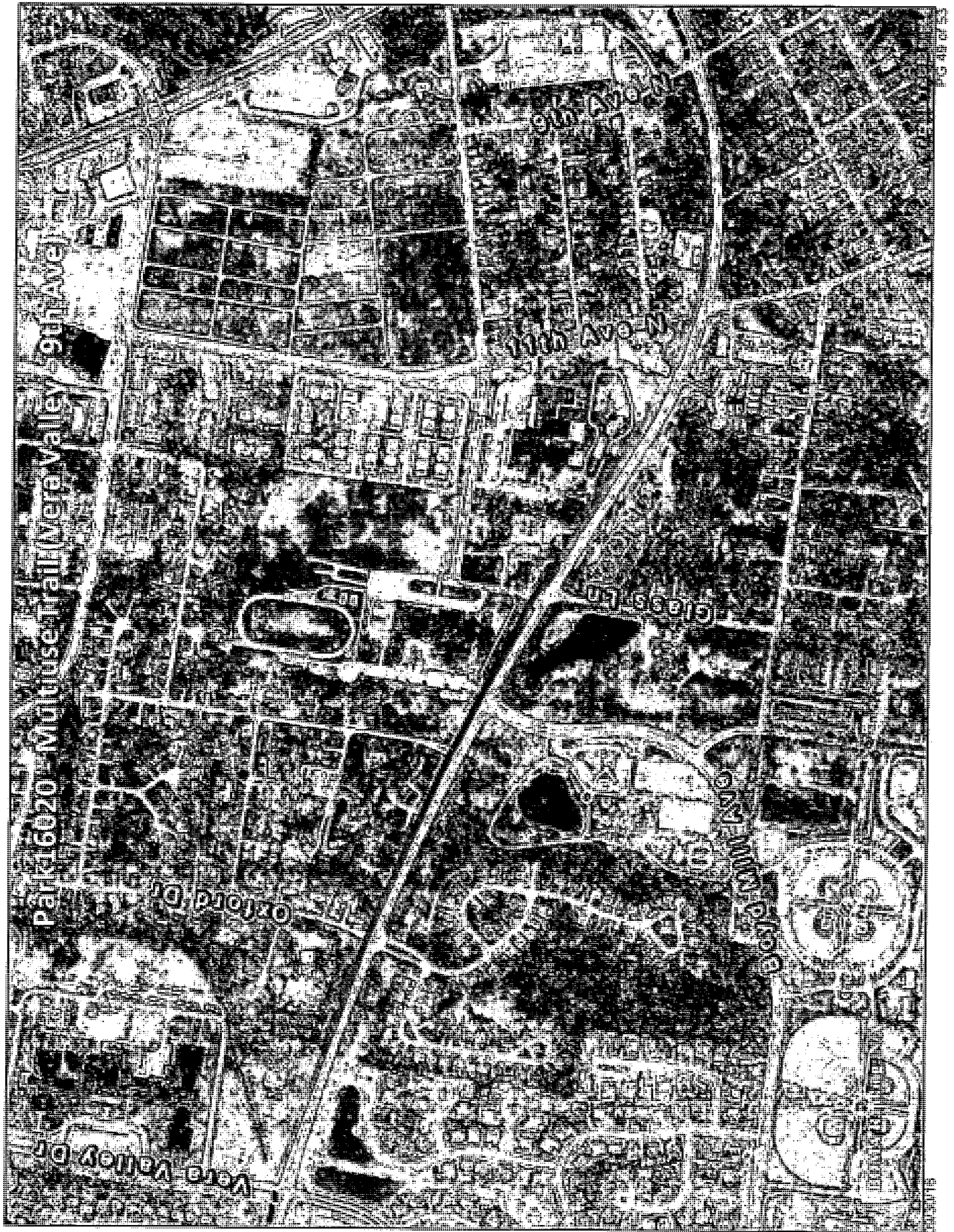
Department Streets
 Contact Engineering Director
 Type New
 Useful Life 20+
 Category Transportation
 Priority 2 Star Project
 Status Pending

Total Cost \$1,913,867

Description
Extend ten (10) foot multi-use trail from Vera Valley Drive to 9th Avenue in Downtown Franklin. Approximate project length is 5,800 L.F.

Justification
This project will provide pedestrian, bicycling access to Freedom Middle School, Freedom Intermediate School from the neighborhoods surrounding Hwy 96 West. Two other schools exist with in the vicinity of this trail – Poplar Grove School and Johnson Elementary. Students from these two schools will also benefit as they will have access to this trail (if it is constructed). Also, Jim Warren Park, three subdivisions (Clairemonte, Spencer Hall, West Field Estates) and two churches (The Church of West Franklin, The Kingdom Hall of Jehovah's Witness) and a Fire Station are located along SR 96, with in this project vicinity.

Expenditures	FY 17	FY 18	FY 19	FY 20	FY 21	FY 22	FY 23	FY 24	FY 25	FY 26	Total
Design/Planning (Professional Services)					97,591						97,591
ROW and Easements						450,000					450,000
Construction Engineering / Inspection							146,386				146,386
Construction							1,219,890				1,219,890
Total					97,591	450,000	1,366,276				1,913,867
Funding Sources	FY 17	FY 18	FY 19	FY 20	FY 21	FY 22	FY 23	FY 24	FY 25	FY 26	Total
General					97,591	450,000	1,305,282				1,852,873
Stormwater							60,994				60,994
Total					97,591	450,000	1,366,276				1,913,867



BOMA Ranking: N/A

Project # **ST16005**
 Project Name **Peytonsville Rd & Pratt Ln Intersection Improv.**

Department Streets
 Contact Engineering Director
 Type Improvement
 Useful Life 20+
 Category Transportation
 Priority 1 Star Project
 Status Pending

Total Cost \$5,016,000

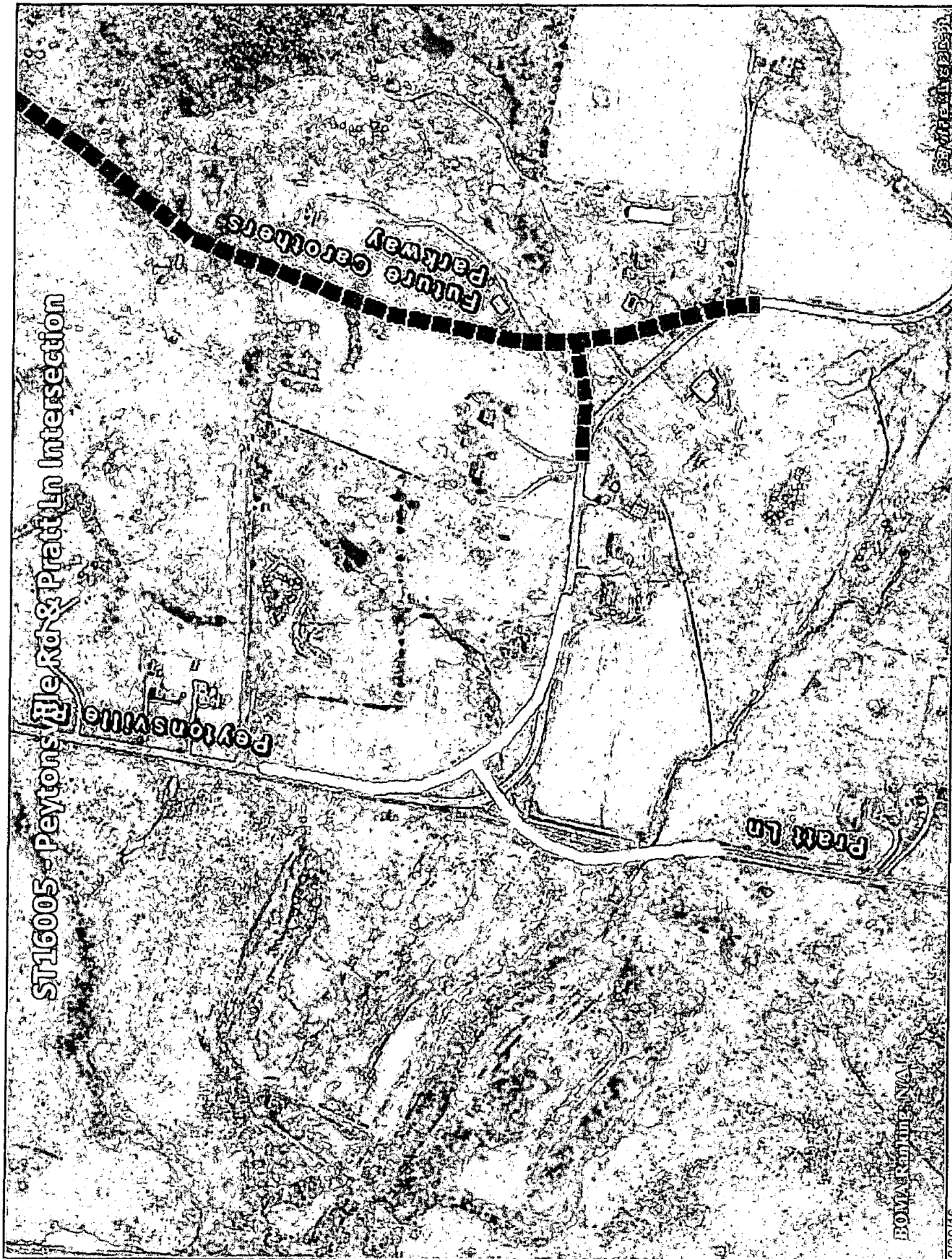
Description
 Reconstruction of the intersection of Peytonsville Road and Pratt Lane to a conventional T-intersection. The included section Old Peytonsville Road shall be reconstruction as a four (4) lane, median divided facility, while the included section of Pratt Lane shall be reconstructed as a two (2) lane facility. Both streets shall have turn lanes as required. Project shall include: access management (as allowable), curb & gutter, ITS Infrastructure, and accommodations for pedestrians and bicycles. Approximate project length of 2,300 LF.

Justification
 Congestion Mitigation: Peytonsville Road provides access between SR840 and the Goose Creek Interchange. Traffic will increase in this area as development continues. In addition this roadway will see heavy traffic when accidents occur on SR-840 and I-65.

Safety: Peytonsville Rd & Pratt Ln have geometric issues that need to be addressed as traffic increases in this area of the City. It was agreed upon by the Reams-Fleming Team and the City that Reams Fleming will not be allowed to have access to Pratt Lane until the City makes the necessary safety upgrades to this intersection.

Economic Development: Lampo Group is currently proposing their cooperate headquarters in the southern section of Reams-Fleming PUD. This includes approximately 650,000SF of commercial office space. As Reams-Fleming develops the city will need to fund this improvement to reduce congestion and provide alternative routes so that we can retain businesses long term.

Expenditures	FY 17	FY 18	FY 19	FY 20	FY 21	FY 22	FY 23	FY 24	FY 25	FY 26	Total
Design/Planning (Professional Services)				194,400							194,400
ROW and Easements					2,100,000						2,100,000
Construction Engineering / Inspection						291,600					291,600
Construction						2,430,000					2,430,000
Total				194,400	2,100,000	2,721,600					5,016,000
Funding Sources	FY 17	FY 18	FY 19	FY 20	FY 21	FY 22	FY 23	FY 24	FY 25	FY 26	Total
General				194,400	2,100,000	2,600,100					4,894,500
Stormwater						121,500					121,500
Total				194,400	2,100,000	2,721,600					5,016,000



ST16005 - Peyton's Pike & Pratt Ln Intersection

Peyton's Pike

Pratt Ln

Future Carothers Parkway

Boyle County, KY

ST16005

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09/30/16

BOMA Ranking: N/A

Department Streets
Contact Engineering Director
Type Improvement
Useful Life 20+
Category Transportation
Priority 1 Star Project
Status Pending

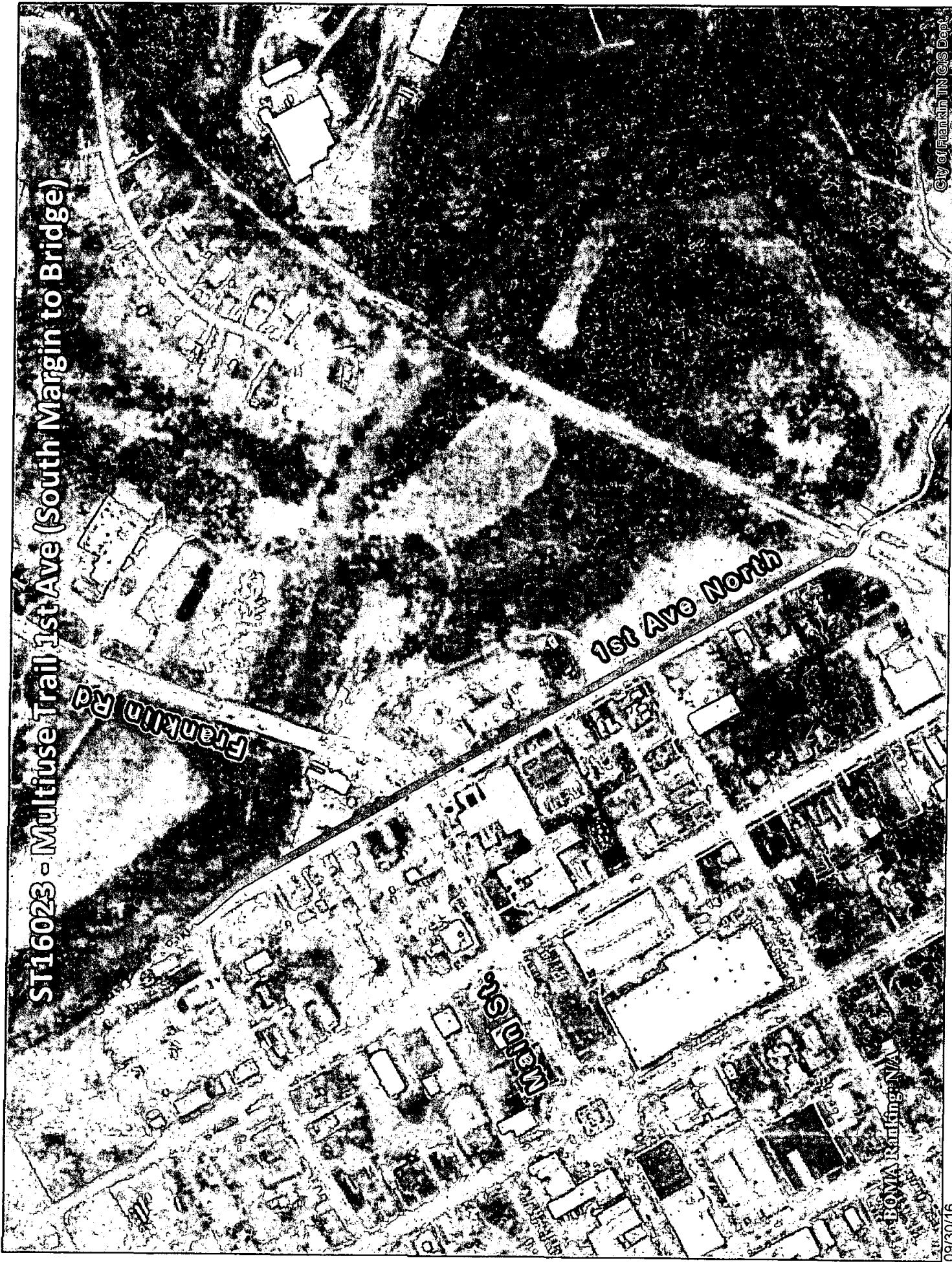
Total Cost \$1,470,000

Project #	ST16023
Project Name	Multi-Use Trail 1st Ave (South Margin to Bridge)

Description	This project would connect Pinkerton Park, Historic downtown Franklin and would eventually be extended to Bicentennial Park. Construction would include a 12' wide multipurpose trail on the east side of 1st Ave										
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Justification	This project was identified as a short term project as part of the CTNP.										
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Expenditures	FY 17	FY 18	FY 19	FY 20	FY 21	FY 22	FY 23	FY 24	FY 25	FY 26	Total
Design/Planning (Professional Services)						70,000					70,000
ROW and Easements							200,000				200,000
Construction Engineering / Inspection								50,000			50,000
Construction								1,150,000			1,150,000
Total						70,000	200,000	1,200,000			1,470,000
Funding Sources	FY 17	FY 18	FY 19	FY 20	FY 21	FY 22	FY 23	FY 24	FY 25	FY 26	Total
General						70,000	200,000	1,200,000			1,470,000
Total						70,000	200,000	1,200,000			1,470,000



ST16023 - Multiuse Trail 1st Ave (South Margin to Bridge)



City of Franklin

HISTORIC
FRANKLIN
TOWNSHIPS



FY 2017-2026 Capital Improvement Program Financing Model

**Presentation to the Board of Mayor and Alderman
September 13, 2016**



City of Franklin

FY 2017-2026 Capital Improvement Program Financing Model

Capital Financing Model - September 13, 2016

Executive Summary

This financing model has been built to determine answers to the following questions:

- What is the amount of available resources from all funds which can be spent on Capital Projects over the next ten years?
- How much will Phase I of the FY 2017-2026 Capital Improvement Program cost?
- What will be the amount of remaining resources after those projects are paid for? And,
- What will be the impact on the City's debt capacity and overall debt service?

This model has three main sections:

- This Executive Summary with summaries of current, future and remaining resources, annual and cumulative cost estimates for all Phase I CIP projects and a revised Debt Capacity Analysis given the revised cost of projects.
- Phase I CIP Project Detail Sheets, which itemize the annual and cumulative funding needs by source by project.
- 10-year Financing Analysis with detailed forecasts for most major internal funds of the City of Franklin.

In building this model, staff has tried to be conservative with our revenue projections and prudent when determining available resources.

"Available fund balances" are current estimated balances in most funds as of June 30th, less amounts reserved either through state law or BOMA policy.

The result is mostly positive - due to the prudent management of the community and the passage of the Invest Franklin initiative, the City can afford to take on all Phase I projects and have reasonable levels of remaining resources to fund additional phases of the FY 2017-2026 Capital Improvement Program.



City of Franklin

FY 2017-2026 Capital Improvement Program Financing Model

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Existing Resources (Cash)

The following shows the various funding sources currently available for use on Capital projects. While the City aggressively looks for outside funding to assist in stretching taxpayer dollars, the vast majority of resources available to the City are internal in nature.

Internal	FY 2015 Actual	FY 2016 Projected	FY 2017 Forecast
110 General			
Capital Funding Account (<45%)	\$ 8,347,536	\$ 8,101,435	\$ 8,101,435
1.5 Cent Capital Set-Aside	\$ 508,038	\$ 1,034,046	\$ 1,714,782
Invest Franklin	\$ -	\$ -	\$ 3,176,766
124 Sanitation Fund	\$ -	\$ -	\$ 32,294
128 Road Impact Fund	\$ 397,796	\$ 4,582,150	\$ 4,880,814
130 Stormwater	\$ 4,783,235	\$ 4,436,729	\$ 4,658,995
135 Facilities Tax	\$ 6,717,764	\$ 6,348,411	\$ 9,260,411
150 Hotel Motel	\$ 2,749,596	\$ 2,388,275	\$ 3,269,693
155 In Lieu of Parkland	\$ 2,494,076	\$ 4,425,966	\$ 5,633,491
421 Water	\$ -	\$ -	\$ 925,000
431 Sewer	\$ -	\$ -	\$ -
Sub-Total Internal Resources	\$ 25,998,041	\$ 31,317,012	\$ 41,653,681
External			
MPO/TDOT	\$ -	\$ -	\$ 8,630,000
Army Corp of Engineers	\$ -	\$ -	\$ -
County Facilities Tax	\$ 2,021,022	\$ 3,262,263	\$ 4,212,263
Utility Agreements	\$ -	\$ -	\$ 475,000
Developer Contributions	\$ 550,000	\$ 550,000	\$ 550,000
Sub-Total External Resources	\$ 2,571,022	\$ 3,812,263	\$ 13,867,263
Total All Available Resources	\$ 28,569,063	\$ 35,129,275	\$ 55,520,944



City of Franklin

FY 2017-2026 Capital Improvement Program Financing Model

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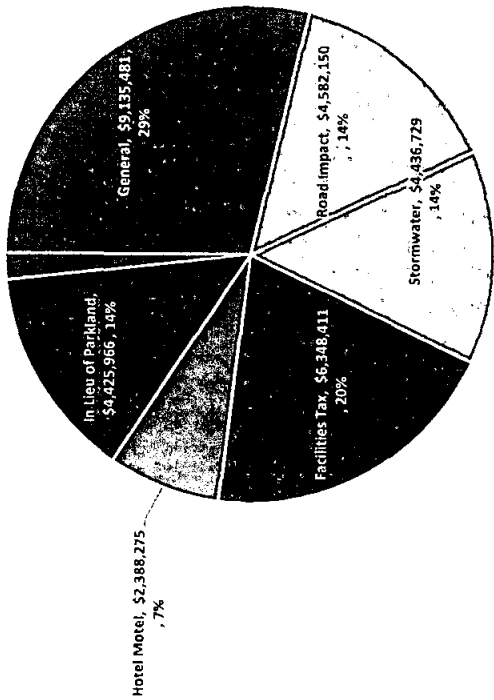
Projected Resources (Cash)

This summarizes the projected cash resources available to the City for the FY 2017-2026 Capital Improvement Program. Existing Fund Balance is shown at the far left, while annual anticipated revenue contributions are provided for the ten-year timeframe of the program. Available Debt Service, and the impact on available cash resources, are shown in the page entitled "Debt Capacity Analysis" on another summary. Detailed funding sheets for most internal funds are provided in the section entitled "10-year Financing Analysis" at the end of this packet.

	Fund Balance Available	FY 2017	FY 2018	FY 2019	FY 2020	FY 2021	FY 2022	FY 2023	FY 2024	FY 2025	FY 2026	Total Available
Internal												
General	\$ 8,101,435											\$ 8,101,435
Capital Funding Account	\$ 1,034,046	\$ 680,736	\$ 687,543	\$ 694,419	\$ 701,363	\$ 708,377	\$ 715,460	\$ 722,615	\$ 729,841	\$ 737,140	\$ 744,511	\$ 8,156,051
1.5 Cent Capital Set-Aside		\$ 3,176,766	\$ 3,208,534	\$ 3,240,619	\$ 3,273,025	\$ 3,305,755	\$ 3,338,813	\$ 3,372,201	\$ 3,405,923	\$ 3,439,982	\$ 3,474,382	\$ 33,236,000
Invest Franklin		\$ 32,294	\$ 244,165	\$ 588,923	\$ 556,343	\$ 521,641	\$ 484,723	\$ 445,495	\$ 403,857	\$ 359,705	\$ 312,933	\$ 3,950,079
Sanitation Fund	\$ 4,582,150	\$ 298,664	\$ 838,593	\$ 1,114,484	\$ 1,312,256	\$ 1,532,639	\$ 1,793,373	\$ 2,120,000	\$ 2,401,230	\$ 2,647,764	\$ 2,898,614	\$ 7,118,929
Road Impact Fund	\$ 4,436,729	\$ 222,266	\$ 216,697	\$ 210,537	\$ 203,759	\$ 196,328	\$ 189,214	\$ 179,373	\$ 169,778	\$ 159,377	\$ 148,135	\$ 6,331,192
Stormwater	\$ 6,348,411	\$ 2,912,000	\$ 2,312,000	\$ 2,312,000	\$ 2,312,000	\$ 2,312,000	\$ 2,312,000	\$ 2,312,000	\$ 2,312,000	\$ 2,312,000	\$ 2,312,000	\$ 30,068,411
Facilities Tax	\$ 2,488,275	\$ 881,418	\$ 1,134,099	\$ 1,139,140	\$ 1,295,873	\$ 1,458,643	\$ 2,049,163	\$ 2,401,230	\$ 1,843,140	\$ 2,547,764	\$ 2,709,614	\$ 19,848,360
Hotel Motel	\$ 4,425,966	\$ 1,207,525	\$ 1,255,000	\$ 1,005,000	\$ 1,005,000	\$ 1,005,000	\$ 1,005,000	\$ 1,005,000	\$ 1,005,000	\$ 1,005,000	\$ 1,005,000	\$ 14,928,491
In Lieu of Parkland		\$ 552,500	\$ 863,620	\$ 311,120	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 1,727,240
Water Funding*		\$ 372,500	\$ 528,500	\$ 156,000	\$ 179,850	\$ 179,850	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 1,416,700
Sewer Funding*												
External												
MPO/TDOT	\$ 8,630,000	\$ 1,555,000	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 10,185,000
Army Corp of Engineers	\$ -	\$ -	\$ 750,000	\$ 750,000	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 750,000
County Facilities Tax	\$ 3,262,263	\$ 950,000	\$ 950,000	\$ 950,000	\$ 950,000	\$ 950,000	\$ 950,000	\$ 950,000	\$ 950,000	\$ 950,000	\$ 950,000	\$ 12,762,263
Utility Agreements	\$ 475,000	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 475,000
Developer Agreements	\$ 550,000	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 550,000
Total	\$ 35,129,275	\$ 20,391,669	\$ 13,793,750	\$ 11,469,242	\$ 10,608,470	\$ 10,791,232	\$ 11,395,601	\$ 11,760,756	\$ 10,922,714	\$ 11,587,751	\$ 11,754,689	\$ 159,605,150

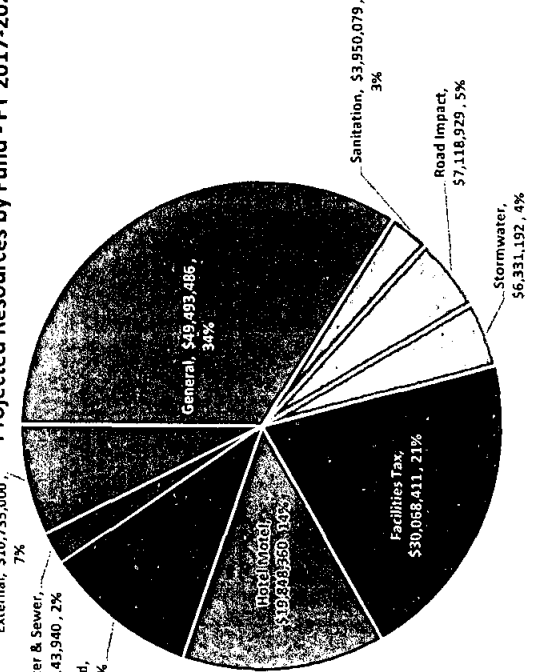
Existing Resources by Fund - FY 2017

External: \$550,000, 2%



Projected Resources by Fund - FY 2017-2026

External: \$10,735,000, 7%





City of Franklin

FY 2017-2026 Capital Improvement Program Financing Model

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Year-By-Need Phase I Analysis

The following shows the annual need for Phase I capital projects by funding source. Detailed funding sheets by project are available later in this packet in the section entitled "Phase I CIP Projects". It is important to note that unlike previous schedules, a large amount of funding is requested to come from debt service. This is further explained under the sheet entitled "Debt Capacity Analysis".

	Ongoing Resources										Total Needed
	FY 2017	FY 2018	FY 2019	FY 2020	FY 2021	FY 2022	FY 2023	FY 2024	FY 2025	FY 2026	
Internal											
General											
Cash	\$ 580,000	\$ 655,000	\$ 250,000	\$ 250,000	\$ 250,000	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 1,985,000
Debt	\$ 7,025,000	\$ 5,732,880	\$ 8,955,630	\$ 15,357,300	\$ 11,034,550	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 48,105,360
Sanitation Fund	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Road Impact Fund	\$ 250,000	\$ 250,000	\$ 250,000	\$ 250,000	\$ 250,000	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 1,250,000
Stormwater	\$ 50,000	\$ 50,000	\$ 272,250	\$ 272,250	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 644,500
Facilities Tax	\$ 225,000	\$ 2,102,500	\$ 3,552,500	\$ 1,500,000	\$ 1,500,000	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 8,880,000
Hotel Motel	\$ 195,000	\$ 195,000	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 390,000
In Lieu of Parkland	\$ -	\$ 250,000	\$ 600,000	\$ 350,000	\$ 350,000	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 1,550,000
Water Funding	\$ 552,500	\$ 863,620	\$ 311,120	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 1,727,240
Sewer Funding	\$ 372,500	\$ 528,500	\$ 156,000	\$ 179,850	\$ 179,850	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 1,416,700
External											
MPO/TDOT	\$ 8,630,000	\$ 1,555,000	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 10,185,000
Army Corp of Engineers	\$ -	\$ -	\$ 750,000	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 750,000
County Facilities Tax	\$ 500,000	\$ 500,000	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 1,000,000
Utility Agreements	\$ 475,000	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 475,000
Developer Agreements	\$ -	\$ 550,000	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 550,000
Total	\$ 18,855,000	\$ 13,232,500	\$ 15,097,500	\$ 18,159,400	\$ 13,564,400	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 78,908,800



City of Franklin

FY 2017-2026 Capital Improvement Program Financing Model

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Remaining Resources

The following shows the anticipated balances in available funding at the end of the ten-year CIP horizon after the \$78,908,800 worth of Phase I projects have been paid for.
It is important to note that the difference between the project resources shown on the page entitled "Projected (Cash) Resources" and this page is the conversion and estimation of available debt service capacity. Please see footnote 2 for more information.

	FY 2017-2026 Projected Resources		Phase I Project Needs	Balance Remaining
Internal				
110 General				
Pay-as-you-go Cash ¹	\$	16,257,486	\$	1,985,000
Debt Service ²	\$	80,000,000	\$	48,105,360
124 Sanitation Fund	\$	3,950,079	\$	-
128 Road Impact Fund	\$	7,118,929	\$	1,250,000
130 Stormwater	\$	6,331,192	\$	644,500
135 Facilities Tax	\$	30,068,411	\$	8,880,000
150 Hotel Motel	\$	19,848,360	\$	390,000
155 In Lieu of Parkland	\$	14,928,491	\$	1,550,000
421 Water	\$	1,727,240	\$	1,727,240
431 Sewer	\$	1,416,700	\$	1,416,700
External				
MPO/TDOT	\$	10,185,000	\$	10,185,000
Army Corp of Engineers	\$	750,000	\$	750,000
County Facilities Tax	\$	12,762,263	\$	1,000,000
Utility Agreements	\$	475,000	\$	475,000
Developer Contributions	\$	550,000	\$	550,000
Total	\$	206,369,150	\$	78,908,800
				127,460,350

Notes:

¹ Pay as you go cash includes the balance of the Capital Funding Account (over 45% of fund balance in the General Fund) and the accumulated total of the 1.5 Cent property tax allocation for capital projects.

² Debt Service resource is an estimated amount of \$80,000,000 based upon the amount of capacity gained from the amount of existing debt service to be retired and the addition of the \$0.07 of property tax from the Invest Franklin initiative.



City of Franklin

FY 2017-2026 Capital Improvement Program Financing Model

FRANKLIN, MA

Debt Capacity Analysis

Proposed Debt Issuances

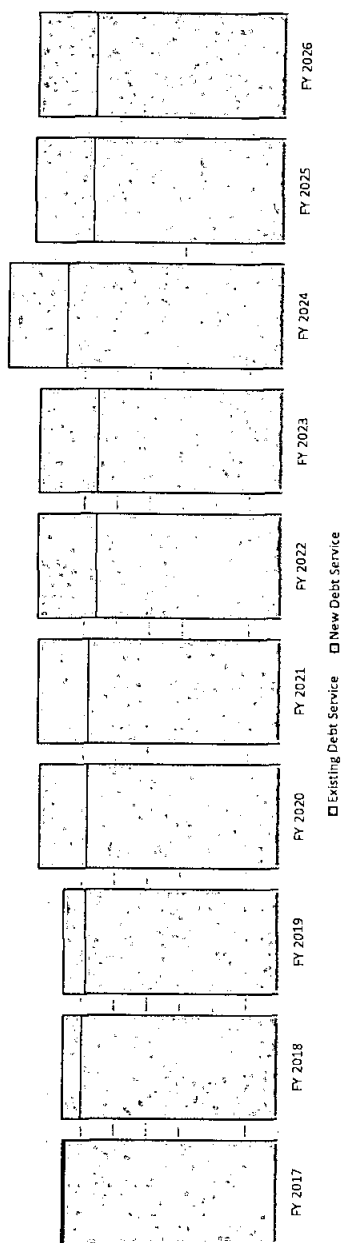
	FY 2017	FY 2018	FY 2019	FY 2020	FY 2021	FY 2022	FY 2023	FY 2024	FY 2025	FY 2026	Balance (FY 2027-FY 2042)
2017	\$ 150,000	\$ 1,141,875	\$ 1,141,875	\$ 1,141,875	\$ 1,141,875	\$ 1,141,875	\$ 1,141,875	\$ 1,141,875	\$ 1,141,875	\$ 1,141,875	\$ 12,560,625
2019		\$ 200,000	\$ 1,775,313	\$ 1,775,313	\$ 1,775,313	\$ 1,775,313	\$ 1,775,313	\$ 1,775,313	\$ 1,775,313	\$ 1,775,313	\$ 23,079,063
2021				\$ 150,000	\$ 654,500	\$ 654,500	\$ 654,500	\$ 654,500	\$ 654,500	\$ 654,500	\$ 9,817,500
A	\$ 150,000	\$ 1,341,875	\$ 2,917,188	\$ 3,067,188	\$ 3,571,688	\$ 3,571,688	\$ 3,571,688	\$ 3,571,688	\$ 3,571,688	\$ 3,571,688	\$ 45,457,188
B	\$ 12,966,453	\$ 11,975,848	\$ 11,772,869	\$ 11,735,204	\$ 11,705,707	\$ 11,273,302	\$ 11,236,584	\$ 13,173,630	\$ 11,623,560	\$ 11,534,574	\$ 58,044,000
C (A + B)	\$ 13,116,453	\$ 13,117,723	\$ 13,114,744	\$ 14,652,392	\$ 14,772,895	\$ 14,844,990	\$ 14,808,272	\$ 16,745,318	\$ 15,195,248	\$ 15,106,262	\$ 103,501,188

Summary:

A key financing component to the FY 2017-2026 Capital Improvement Plan is the issuance of debt. In order to finance Phase I of the CIP, staff is recommending the issuance of \$50,000,000 worth of General Obligation (G.O.) bonds in three separate issuances for a duration of 20 years. The assumed interest rate is 4.5%.

The three issuances - one in FY 2017, FY 2019, and FY 2021 will fund East McEwen Phase 4, Franklin Road, Hillsboro Road Phase II, and the East/Southeast Park. The impacts on the overall debt service are shown above and to the right.

Proposed City of Franklin General Obligation Debt Service - FY 2017 - 2026



Debt Funding Analysis

How the debt is issued is dependent upon many factors; but none more important than the ability to pay. The chart below shows the annual increase in debt service necessary to service the proposed \$50,000,000 in new bonds (Row D). Row E shows the available resources predicted to be generated annually from the \$0.07 Invest Franklin initiative approved this spring by the BOMA. Row F is the difference on an annual basis. As the chart shows, sufficient capacity exists through the increase in revenues generated by Invest Franklin to accommodate the servicing of the proposed new debt. As important, the entire proposed level of resources is not exhausted by FY 2026, the end of the current CIP horizon. This means that additional resources are available for pay as you go financing and/or additional debt service for Phase II CIP projects.

	FY 2017	FY 2018	FY 2019	FY 2020	FY 2021	FY 2022	FY 2023	FY 2024	FY 2025	FY 2026
D Debt Increase Debt Service Year over Year	\$ 150,000	\$ 1,270	\$ (1,709)	\$ 1,535,939	\$ 1,656,442	\$ 1,728,537	\$ 1,691,819	\$ 3,628,865	\$ 2,078,795	\$ 1,989,809
E Invest Franklin	\$ 3,176,766	\$ 3,208,534	\$ 3,240,619	\$ 3,273,025	\$ 3,305,755	\$ 3,338,813	\$ 3,372,201	\$ 3,405,923	\$ 3,439,982	\$ 3,474,382
F (E-D) Annual Balance of Invest Franklin Funds	\$ 3,026,766	\$ 3,207,264	\$ 3,242,328	\$ 1,737,087	\$ 1,649,314	\$ 1,610,276	\$ 1,680,383	\$ (222,941)	\$ 1,361,188	\$ 1,484,574
Cumulative Net Balance Invest Franklin	\$ 3,026,766	\$ 6,234,029	\$ 9,476,357	\$ 11,213,444	\$ 12,862,758	\$ 14,473,034	\$ 16,153,417	\$ 15,930,475	\$ 17,291,663	\$ 18,776,237



City of Franklin

FY 2017-2026 Capital Improvement Program Financing Model



Phase I CIP Projects



City of Franklin

FY 2017-2026 Capital Improvement Program Financing Model

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Phase 4: East McEwen Drive - Phase 4

Improvement of East McEwen Drive, from 800 feet east of the roundabout at Cool Springs Boulevard/Oxford Glen Drive to Wilson Pike (SR-252). The project shall be constructed as a four (4) lane, median divided facility with turn lanes as required. Project shall include: access management (as allowable), curb & gutter, street lights, ITS Infrastructure, and accommodations for pedestrians and bicycles. Approximate project length of 8,200 LF. The budget has been updated based on additional time and cost associated with accepting federal funds in the amount of \$8,000,000.



East McEwen Drive - Phase 4		FY 2017	FY 2018	FY 2019	FY 2020	FY 2021	FY 2022	FY 2023	FY 2024	FY 2025	FY 2026	Total Available
Internal												
General	\$ -	\$ -	\$ 2,350,000	\$ 750,000	\$ 7,384,550	\$ 7,384,550	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 17,869,100
Sanitation Fund	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Road Impact Fund	\$ 250,000	\$ 250,000	\$ 250,000	\$ 250,000	\$ 250,000	\$ 250,000	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 1,250,000
Stormwater	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Facilities Tax	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Hotel Motel	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
In Lieu of Parkland	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Water Funding	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Sewer Funding	\$ -	\$ -	\$ -	\$ -	\$ 179,850	\$ 179,850	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 359,700
External												
MPO/TDOT	\$ -	\$ -	\$ -	\$ 4,000,000	\$ 4,000,000	\$ 4,000,000	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 8,000,000
County Facilities Tax	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Developer Agreements	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Total	\$ 250,000	\$ 2,600,000	\$ 1,000,000	\$ 11,814,400	\$ 11,814,400	\$ 11,814,400	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 27,478,800



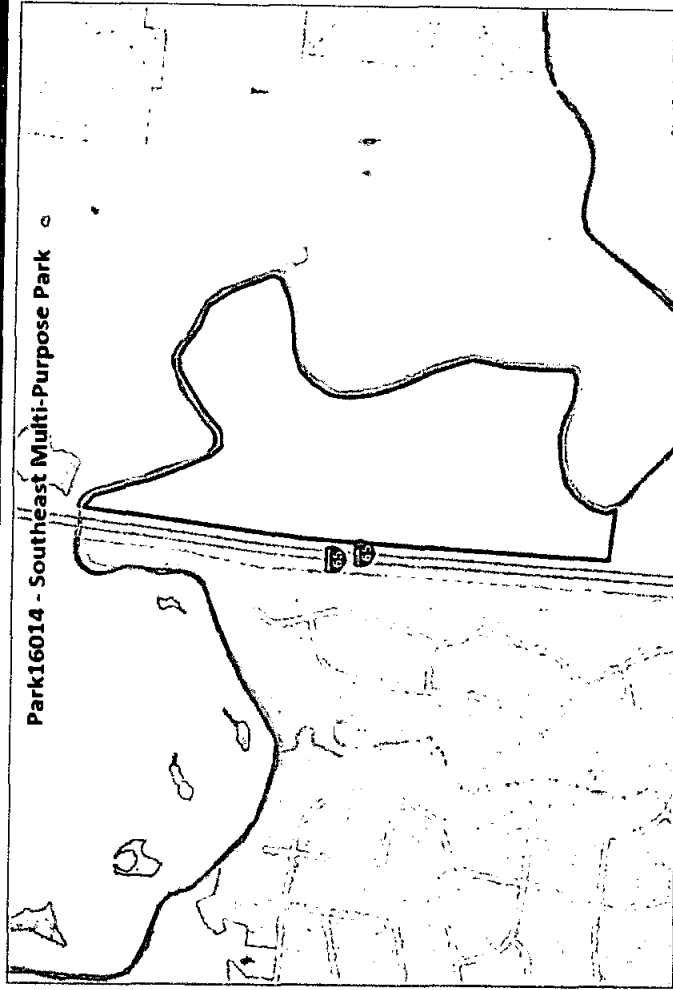
City of Franklin

FY 2017-2026 Capital Improvement Program Financing Model

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Phase I CIP: East/South East Multipurpose Park

New Southeast Multi-Purpose Park on the city-owned 180-acre parcel). The park would include a minimum of 8 lighted multi-purpose rectangular sports fields that could be used for football, lacrosse, rugby and soccer. The Franklin Cowboys football program would move from Jim Warren Park to this new park when completed. This park should have a range of passive uses as well to serve as a Community Park for neighborhoods in this area. A master plan should be developed for the park to guide phased development of the park.



East/Southeast Park	FY 2017	FY 2018	FY 2019	FY 2020	FY 2021	FY 2022	FY 2023	FY 2024	FY 2025	FY 2026
Internal										
General	\$ 300,000	\$ -	\$ 2,100,000	\$ 2,350,000	\$ 2,350,000	\$ -	\$ -	\$ -	\$ -	\$ -
Sanitation Fund	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Road Impact Fund	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Stormwater	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Facilities Tax	\$ -	\$ 50,000	\$ 1,500,000	\$ 1,500,000	\$ 1,500,000	\$ -	\$ -	\$ -	\$ -	\$ -
Hotel Motel	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
In Lieu of Parkland	\$ -	\$ -	\$ 600,000	\$ 350,000	\$ 350,000	\$ -	\$ -	\$ -	\$ -	\$ -
Water Funding	\$ -	\$ 250,000	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Sewer Funding	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
External										
IMPO/TDOT	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
County Facilities Tax	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Developer Agreements	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Total	\$ 300,000	\$ 300,000	\$ 4,200,000	\$ 4,200,000	\$ 4,200,000	\$ -	\$ -	\$ -	\$ -	\$ -
Total Available	\$ 7,100,000	\$ 4,550,000	\$ 1,550,000	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Total	\$ 13,200,000	\$ 13,200,000	\$ 13,200,000	\$ 13,200,000	\$ 13,200,000	\$ 13,200,000	\$ 13,200,000	\$ 13,200,000	\$ 13,200,000	\$ 13,200,000



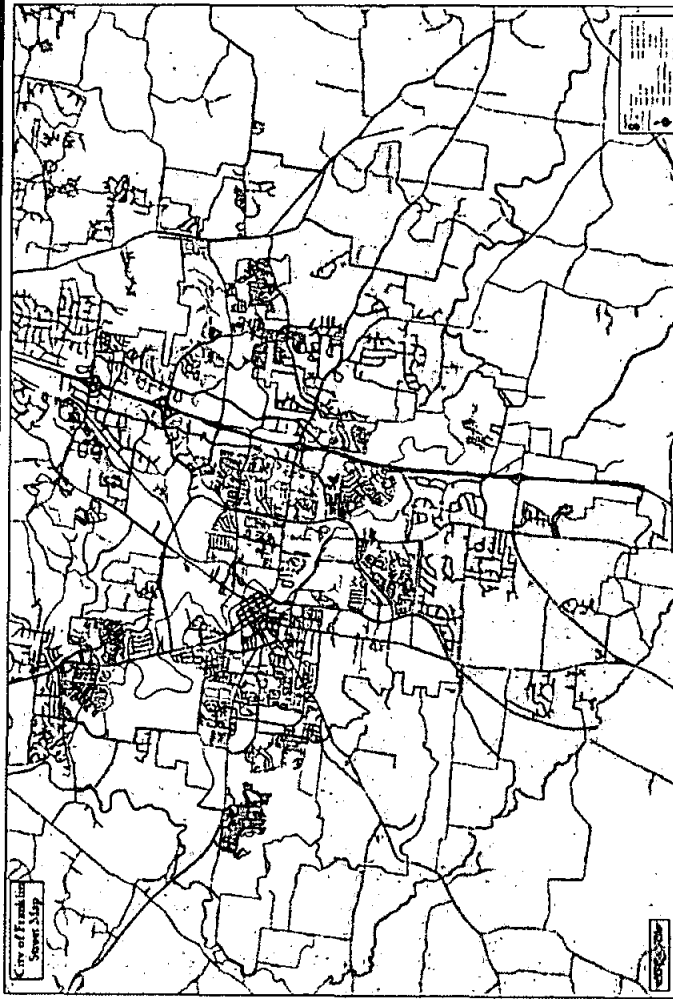
City of Franklin

FY 2017-2026 Capital Improvement Program Financing Model

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Phase I CIP: Sidewalk Gaps

Annual budget of \$250,000 over a 5-year period to "fill in" gaps in the existing sidewalk network. Segments of sidewalk that do not have logical connections exist in many areas around the City. A dedicated budget item on an annual basis would allow the City the opportunity to complete existing sidewalk networks by "filling-in" these gaps.



Sidewalk Gaps	FY 2017	FY 2018	FY 2019	FY 2020	FY 2021	FY 2022	FY 2023	FY 2024	FY 2025	FY 2026	Total Available
Internal											
General	\$ 250,000	\$ 250,000	\$ 250,000	\$ 250,000	\$ 250,000	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 1,250,000
Sanitation Fund	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Road Impact Fund	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Stormwater	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Facilities Tax	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Hotel Motel	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
In Lieu of Parkland	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Water Funding	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Sewer Funding	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
External											
MPO/TDOT	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
County Facilities Tax	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Developer Agreements	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Total	\$ 250,000	\$ 250,000	\$ 250,000	\$ 250,000	\$ 250,000	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 1,250,000



City of Franklin

FY 2017-2026 Capital Improvement Program Financing Model

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Phase 1 CIP: Fire Station 7

The City currently operates a temporary fire station at the Williamson County AG Complex. This temporary fire station needs to be replaced with a permanent facility.



Fire Station 7	FY 2017	FY 2018	FY 2019	FY 2020	FY 2021	FY 2022	FY 2023	FY 2024	FY 2025	FY 2026	Total Available
Internal											
General	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Sanitation Fund	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Road Impact Fund	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Stormwater	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Facilities Tax	\$ 225,000	\$ 2,052,500	\$ 2,052,500	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 4,330,000
Hotel Motel	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
In Lieu of Parkland	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Water Funding	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Sewer Funding	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
External											
MPO/TDOT	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
County Facilities Tax	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Developer Agreements	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Total	\$ 225,000	\$ 2,052,500	\$ 2,052,500	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 4,330,000



City of Franklin

FY 2017-2026 Capital Improvement Program Financing Model

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Phase I CIP: Franklin Road Improvements

Improvement of Franklin Road, from the bridge at the Harpeth River to Hooper Lane. The project shall be constructed as a three (3) facility. Project shall include: curb & gutter, street lights, ITS Infrastructure, sidewalks, and typical streetscape elements. Approximate project length of 3,500 LF.



Franklin Road Improvements		FY 2017	FY 2018	FY 2019	FY 2020	FY 2021	FY 2022	FY 2023	FY 2024	FY 2025	FY 2026	Total Available
Internal												
General	\$	-	\$ 1,532,880	\$ 4,405,630	\$ 5,622,750	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 11,561,260
Sanitation Fund	\$	-	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Road Impact Fund	\$	-	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Stormwater	\$	-	\$ -	\$ 272,250	\$ 272,250	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 544,500
Facilities Tax	\$	-	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Hotel Motel	\$	-	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
In Lieu of Parkland	\$	-	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Water Funding	\$	-	\$ 311,120	\$ 311,120	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 622,240
Sewer Funding	\$	-	\$ 156,000	\$ 156,000	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 312,000
External												
MPO/TDOT	\$	-	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
County Facilities Tax	\$	-	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Army Corps of Engineers	\$	-	\$ -	\$ 750,000	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 750,000
Developer Agreements	\$	-	\$ 550,000	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 550,000
Total	\$	-	\$ 2,550,000	\$ 5,895,000	\$ 5,895,000	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 14,340,000



City of Franklin

FY 2017-2026 Capital Improvement Program Financing Model

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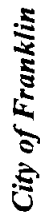
Phase I CIP: Goose Creek Interchange Lighting

Interchange Lighting for Goose Creek at I-65. The City will need to partner with TDOT to fund 50% of the cost associated with this project.



Goose Creek Lighting	FY 2017	FY 2018	FY 2019	FY 2020	FY 2021	FY 2022	FY 2023	FY 2024	FY 2025	FY 2026
Internal										
General	\$ 30,000	\$ 405,000	-	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Sanitation Fund	\$ -	\$ -	-	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Road Impact Fund	\$ -	\$ -	-	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Stormwater	\$ -	\$ -	-	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Facilities Tax	\$ -	\$ -	-	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Hotel Motel	\$ -	\$ -	-	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
In Lieu of Parkland	\$ -	\$ -	-	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Water Funding	\$ -	\$ -	-	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Sewer Funding	\$ -	\$ -	-	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
External										
MPO/TDOT	\$ 30,000	\$ 405,000	-	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
County Facilities Tax	\$ -	\$ -	-	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Developer Agreements	\$ -	\$ -	-	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Total	\$ 60,000	\$ 810,000	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -

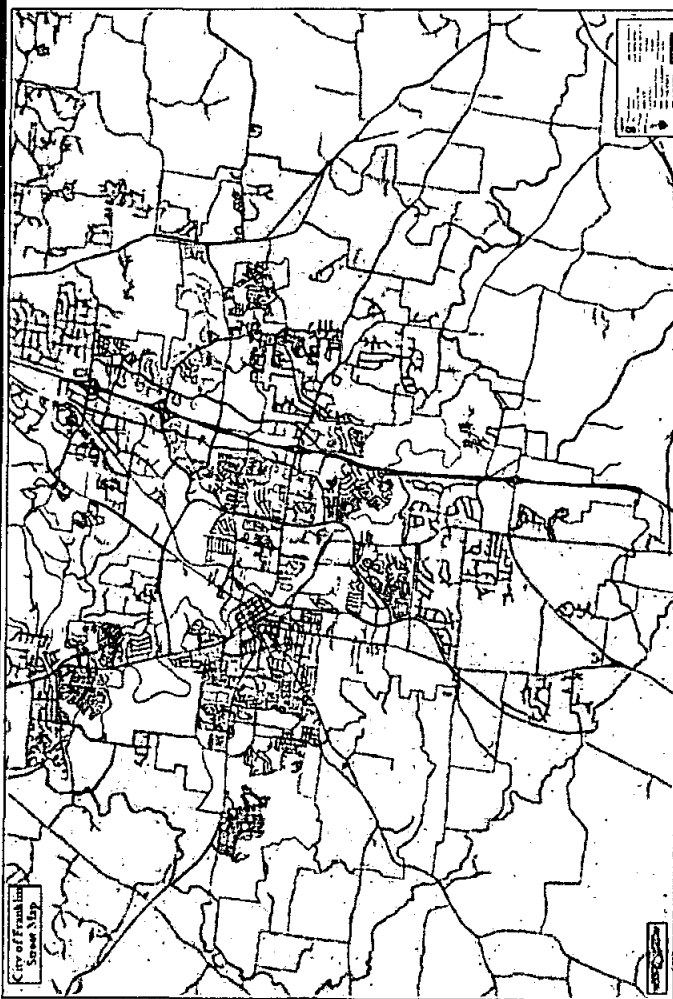
Total Available	\$ 435,000
	\$ 435,000
	\$ 870,000



DRAFT

The resurfacing (e.g. paving) of major roadways within the City are proposed to be included¹ in the Capital Investment Plan (CIP) as follows:

The list above is not final, and maybe subject to change.



Major Street Resurfacing	FY 2017	FY 2018	FY 2019	FY 2020	FY 2021	FY 2022	FY 2023	FY 2024	FY 2025	FY 2026
Internal										
General	\$ 2,400,000	\$ -	\$ 1,700,000	\$ -	\$ 1,300,000	\$ -	\$ -	\$ -	\$ -	\$ -
Sanitation Fund	\$ -	\$ -	-	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Road Impact Fund	\$ -	\$ -	-	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Stormwater	\$ -	\$ -	-	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Facilities Tax	\$ -	\$ -	-	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Hotel Motel	\$ -	\$ -	-	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
In Lieu of Parkland	\$ -	\$ -	-	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Water Funding	\$ -	\$ -	-	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Sewer Funding	\$ -	\$ -	-	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
External										
MPO/TDOT	\$ -	\$ -	-	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
County Facilities Tax	\$ -	\$ -	-	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Developer Agreements	\$ -	\$ -	-	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Total	\$ 2,400,000	\$ -	\$ 1,700,000	\$ -	\$ 1,300,000	\$ -	\$ -	\$ -	\$ -	\$ -



City of Franklin

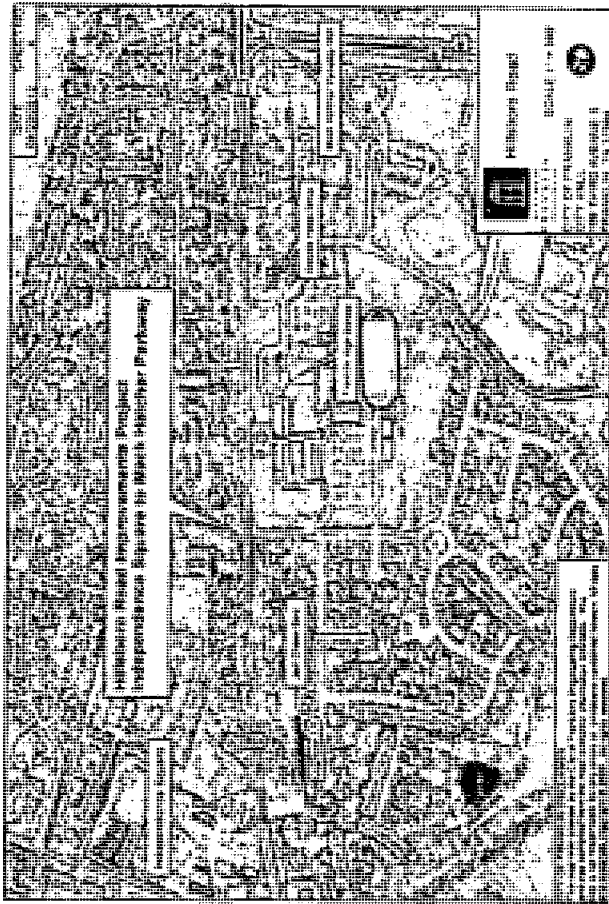
FY 2017-2026 Capital Improvement Program Financing Model

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Phase I CIP: Hillsboro Road Phase II

This project is the second phase of the overall Hillsboro Road Improvements Project, creating roadway and utility infrastructure upgrades to Hillsboro Road, State Route 106. Aspects of this project include:

Widening from a 2-lane roadway with shoulders to 3-lanes (includes a new center turn lane) with curb and gutter (widening is symmetrical along the roadway's existing centerline); New 4.0' Bike lanes on both sides; New 3.0' grass strip with street trees; New 5.0' sidewalk along both sides of the roadway, up to Claude Yates; New street lighting along both sides using decorative street light poles; Northbound right turn lanes (in addition to the 2 travel lanes and center turn lane) to be added in front of Franklin High School and at both of the Joel Cheek Blvd. and Claude Yates Drive Intersections; Installing a traffic control signal at Claude Yates Drive to help with Franklin High School Traffic; Upgrading the Joel Cheek Blvd. traffic signal; Relocating all overhead utilities into underground duct banks; Upgrading older and undersized water and sanitary sewer utility lines; and Installing a new storm water sewer system with catch basins and yard inlets. These upgrades take place in both State Rights-of-Way and City/Public Easements.



Hillsboro Road Phase II	FY 2017	FY 2018	FY 2019	FY 2020	FY 2021	FY 2022	FY 2023	FY 2024	FY 2025	FY 2026	Total Available
Internal											
General	\$ 4,625,000	\$ 1,850,000	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 6,475,000
Sanitation Fund	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Road Impact Fund	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Stormwater	\$ 50,000	\$ 50,000	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 100,000
Facilities Tax	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Hotel Motel	\$ 195,000	\$ 195,000	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 390,000
In Lieu of Parkland	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Water Funding	\$ 552,500	\$ 552,500	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 1,105,000
Sewer Funding	\$ 372,500	\$ 372,500	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 745,000
External											
Fed/MPO/TDOT	\$ 600,000	\$ 1,150,000	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 1,750,000
County Facilities Tax	\$ 500,000	\$ 500,000	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 1,000,000
Utility Agreements	\$ 475,000	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 475,000
Developer Agreements	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Total	\$ 7,370,000	\$ 4,670,000	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 12,040,000



City of Franklin

FY 2017-2026 Capital Improvement Program Financing Model



10-Year Financing Analysis



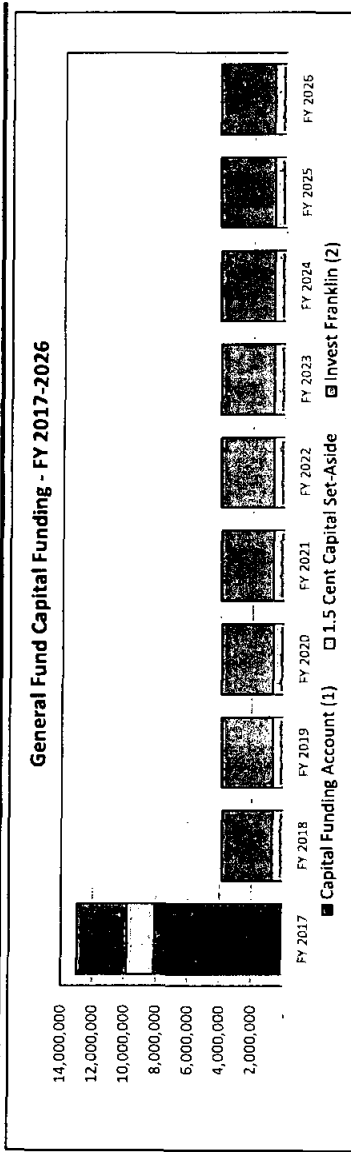
City of Franklin

FY 2017-2026 Capital Improvement Program Financing Model

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Fund: General Fund		Percent of Total CIP Revenues	31.0%
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General Fund: The largest funding source for Capital Projects is the General Fund. The property tax contributes the most to capital resources within the General Fund (Both in the form of the Invest Franklin initiative and in FY 2025 when the bonds for the TIF district are paid off. It is anticipated that annual tax revenue will flow to the general fund for either operations and/or increased debt capacity. The amount of debt capacity is under review by the City's financial advisers and City staff.)



Projections											
	FY 2017	FY 2018	FY 2019	FY 2020	FY 2021	FY 2022	FY 2023	FY 2024	FY 2025	FY 2026	Totals
Capital Funding Account ⁽¹⁾	8,101,435	687,543	694,419	701,363	708,377	715,460	722,615	729,841	737,140	744,511	8,101,435
1.5 Cent Capital Set-Aside	1,714,782	3,208,534	3,240,619	3,273,025	3,305,755	3,338,813	3,372,201	3,405,923	3,439,982	3,474,382	8,156,051
Invest Franklin ⁽²⁾	3,176,766	3,896,077	3,935,038	3,974,388	4,014,132	4,054,273	4,094,816	4,135,764	4,177,122	4,218,893	33,236,000
Totals	12,992,983	13,792,154	13,869,476	14,048,776	14,227,264	14,408,546	14,592,632	14,771,526	14,954,244	15,137,786	49,493,486

Assumptions

- (1) Balance of Capital Funding Account (that portion of G.F. Reserves over 45% of fund balance) varies and will be finalized only once preliminary FY 2016 Audited Financials are available.
- (2) Both the 1.5 Cent Capital Set Aside and the Invest Franklin receipts assume a conservative 1% growth year-over-year for the 10-year CIP horizon. Further increases may occur in FY 2022 at the time of the next revaluation of property, dependent upon what future BOMA's decide to do. For this analysis, no change in the rate is assumed.
- (3) Available Balance will be finalized only once preliminary FY 2016 Audited Financials are available.



City of Franklin

FY 2017-2026 Capital Improvement Program Financing Model

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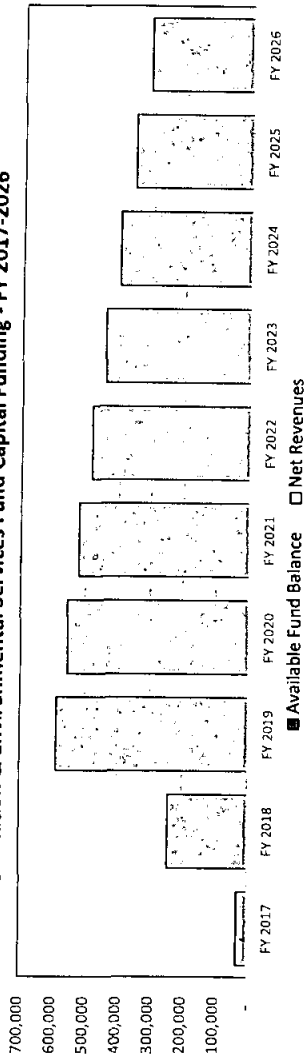
Fund: Sanitation

Percent of All Revenues 2.5%

Sanitation & Environmental Services Fund: This Special Revenue fund accounts for the fees collected in the collection and disposal of residential and commercial garbage. The primary component within the fund are those fees charged for disposal of refuse. In recent years, the City has worked to reduce the subsidy from the General Fund for sanitation and recycling operations.

Beginning in FY 2018, the fund should be able to sustain without transfers from the General Fund, and will be able to be self-sustaining by FY 2019. This surplus should be reserved (at least in part) for Capital Renewal and Replacement. Given the growth of the community, another transfer station may be a real possibility.

Sanitation & Environmental Services Fund Capital Funding - FY 2017-2026



Projections										Totals
FY 2017	FY 2018	FY 2019	FY 2020	FY 2021	FY 2022	FY 2023	FY 2024	FY 2025	FY 2026	10-year
Available Fund Balance										
Net Revenues	32,294	244,165	556,343	521,641	484,723	445,495	403,857	359,705	312,933	3,950,079
Totals	\$ 32,294	\$ 244,165	\$ 588,923	\$ 521,641	\$ 484,723	\$ 445,495	\$ 403,857	\$ 359,705	\$ 312,933	\$ 3,950,079

(1) Available Balance will be finalized only once preliminary FY 2016 Audited Financials are available.



City of Franklin

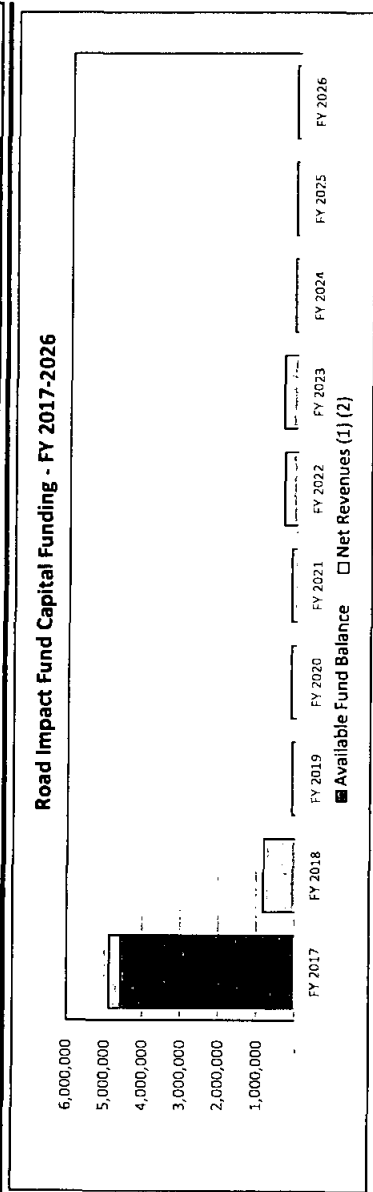
FY 2017-2026 Capital Improvement Program Financing Model

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Fund:	Road Impact	Percent of All Revenues	4.5%
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Road Impact Fund: The Road Impact Fund is the special revenue fund created for the accounting of expenditures in accord with City Ordinance 88-13 on the proceeds of road impact fees from new development. These funds can be used to pay for new arterial roads, directly or through payment of debt service on bonds associated with the projects.

The fund primarily is dedicated to servicing debt on already constructed arterial roadways. During the FY 2017-2026 CIP horizon, the debt service obligation assigned the Road Impact Fund is over \$38 million. (And nearly \$50 million total outstanding) Assuming the current balance is maintained as a sinking fund and reasonable collections remain to come into the fund, this obligation should be able to be met. But few - if any - new obligations should be planned at this time.



Projections											
	FY 2017	FY 2018	FY 2019	FY 2020	FY 2021	FY 2022	FY 2023	FY 2024	FY 2025	FY 2026	Totals
Available Fund Balance	4,582,150										4,582,150
Net Revenues (1) (2)	298,664	838,593	111,484	131,256	153,639	352,228	372,842	103,176	76,783	98,114	2,536,779
Totals	\$ 4,880,814	\$ 838,593	\$ 111,484	\$ 131,256	\$ 153,639	\$ 352,228	\$ 372,842	\$ 103,176	\$ 76,783	\$ 98,114	\$ 7,118,929

- (1) Net Revenues less Debt Service and possible offsets.
- (2) Assumes average of \$4,250,000 collected annually from FY 2017-FY 2026.
- (3) Available Balance will be finalized only once preliminary FY 2016 Audited Financials are available.



City of Franklin

FY 2017-2026 Capital Improvement Program Financing Model

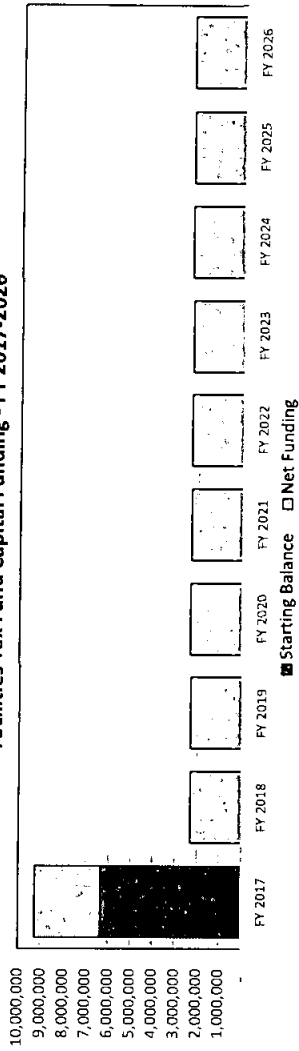
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Fund:	Facilities Tax Fund	Percent of All Revenues	18.8%
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Facilities Tax Fund: A special revenue fund used to account for the proceeds authorized by a private act of the Tennessee General Assembly of 1987 for the City to levy and collect a privilege tax on new development to provide that new development contribute its fair share of providing new public facilities made necessary by growth. Such taxes may be expended only upon police, fire, sanitation, and parks and recreation.

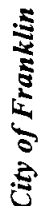
With the only known funding request against the fund any remaining costs of Fire Station 8 and Fire Station 7, (together both should be no more than \$5,000,000), ample resources are available to spend from the Facilities Tax on eligible capital

Facilities Tax Fund Capital Funding - FY 2017-2026



Projections										
	FY 2017	FY 2018	FY 2019	FY 2020	FY 2021	FY 2022	FY 2023	FY 2024	FY 2025	FY 2026
Starting Balance	6,348,411									
Net Funding	2,912,000	2,312,000	2,312,000	2,312,000	2,312,000	2,312,000	2,312,000	2,312,000	2,312,000	2,312,000
Totals	9,260,411	2,312,000	2,312,000	2,312,000	2,312,000	2,312,000	2,312,000	2,312,000	2,312,000	2,312,000
10-Year	6,348,411									
Totals	23,720,000									

(1) Available Balance will be finalized only once preliminary FY 2016 Audited Financials are available.



FY 2017-2026 Capital Improvement Program Financing Model

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Fund: Stormwater		Percent of Total CIP Revenues 4.0%									
Stormwater Fund: A special revenue fund used to account for the City's Stormwater drainage projects and operations that prevent water issues. Revenues are primarily from charges to residential and commercial customers based on roofs and paved areas.											
This is another fund dependent upon development. Should development increase faster than projected, or fees are increased, more money may be available for capital needs/requests. As it is, little annual surplus is forecast after operational concerns are met.											
Stormwater Capital Funding - FY 2017-2026											

Assumptions

(1) Available Balance will be finalized only once preliminary FY 2016 Audited Financials are available.



City of Franklin

FY 2017-2026 Capital Improvement Program Financing Model

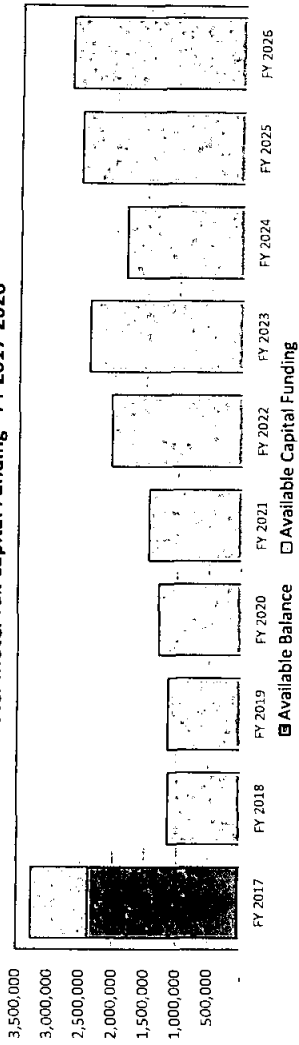
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Fund:	Hotel Motel Tax	Percent of Total CIP Revenues	12.4%
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Hotel Motel Tax: The Hotel/Motel Tax has been used in the past for those types of infrastructure projects which promote recreation and tourism. Specifically, these monies have been used for servicing debt related to the acquisition of the Carter's Hill Battlefield, Eastern Flank Battlefield and the Park at Harlinsdale Farm.

Future growth assumes between 4-5% growth in revenues from hotel stays annually, less all known costs (existing debt service and the City's contribution to the Williamson County Convention & Visitors Bureau).

Hotel-Motel Tax Capital Funding - FY 2017-2026



Projections										
	FY 2017	FY 2018	FY 2019	FY 2020	FY 2021	FY 2022	FY 2023	FY 2024	FY 2025	FY 2026
Available Balance	881,418	1,134,099	1,139,140	1,295,873	1,458,643	2,049,163	2,401,230	1,843,140	1,843,140	2,709,614
Available Capital Funding	2,388,275	1,139,140	1,139,140	1,295,873	1,458,643	2,049,163	2,401,230	2,547,764	2,547,764	2,709,614
Totals	\$ 3,269,693	\$ 1,134,099	\$ 1,139,140	\$ 1,295,873	\$ 1,458,643	\$ 2,049,163	\$ 2,401,230	\$ 1,843,140	\$ 2,547,764	\$ 2,709,614
Totals	2,388,275									
Totals	17,460,085									
Totals	19,848,360									

Assumptions

(1) Available Balance will be finalized only once preliminary FY 2016 Audited Financials are available.



City of Franklin

FY 2017-2026 Capital Improvement Program Financing Model

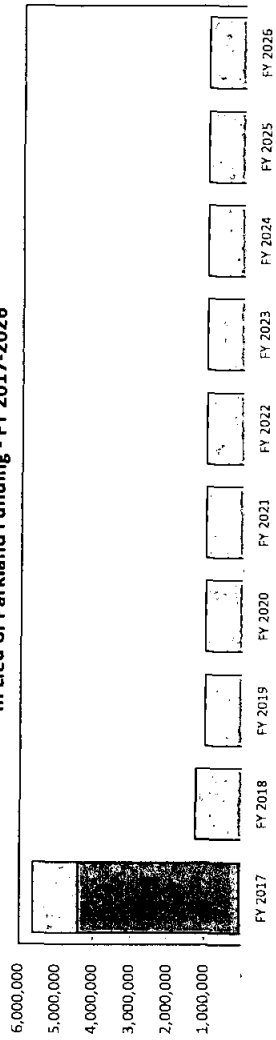
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Fund:	In Lieu of Tax Parkland	Percent of Total CIP Revenues	9.4%
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In Lieu of Parkland Fund: The In Lieu of Parkland Fund was created in FY 2015 for the purpose of satisfying requirements of Section 5.5.4 of the City of Franklin Zoning Ordinance for developers seeking alternatives to the development of green space within developments. Funds can be used only for the acquisition or development of public parks, greenways/blue ways, open space sites, and related facilities.

The important issue of concern with these funds is the nexus issue: funds can only be spent in the quadrant of the community in which they are collected. Although funds are likely to be generated annually in excess of a million dollars, they cannot be spent City-wide. This limits how much can be spent on a particular project.

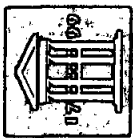
In Lieu of Parkland Funding - FY 2017-2026



Projections											
	FY 2017	FY 2018	FY 2019	FY 2020	FY 2021	FY 2022	FY 2023	FY 2024	FY 2025	FY 2026	Totals
Available Balance	4,425,966	1,255,000	1,005,000	1,005,000	1,005,000	1,005,000	1,005,000	1,005,000	1,005,000	1,005,000	4,425,966
Available Capital Funding	1,207,525	1,255,000	1,005,000	1,005,000	1,005,000	1,005,000	1,005,000	1,005,000	1,005,000	1,005,000	10,502,525
Totals	\$ 5,633,491	\$ 2,510,000	\$ 2,010,000	\$ 2,010,000	\$ 2,010,000	\$ 2,010,000	\$ 2,010,000	\$ 2,010,000	\$ 2,010,000	\$ 2,010,000	\$ 14,928,491

Assumptions

(1) Available Balance will be finalized only once preliminary FY 2016 Audited Financials are available.



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City of Franklin, Tennessee
FY 2017-2026 Capital Investment Program

FY 2017-2026
Capital Investment Program
Financing Model

September 13, 2016
Board of Mayor & Aldermen



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TENNESSEE

City of Franklin, Tennessee
FY 2017-2026 Capital Investment Program

Outline

- **Executive Summary**
- **Available Resources**
- **Phase I Project Details**
- **Remaining Resources**
- **Debt Capacity Review**



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City of Franklin, Tennessee FY 2017-2026 Capital Investment Program

Executive Summary

This financing model has been built to determine answers to the following questions:

- What is the amount of available resources from all funds which can be spent on Capital Projects over the next ten years?
- How much will Phase I of the FY 2017-2026 Capital Improvement Program cost?
- What will be the amount of remaining resources after those projects are paid for? And,
- What will be the impact on the City's debt capacity and overall debt service?



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City of Franklin, Tennessee FY 2017-2026 Capital Investment Program

Executive Summary

This model has three main sections:

- An Executive Summary with summaries of current, future and remaining resources, annual and cumulative cost estimates for all Phase I CIP projects and a revised Debt Capacity Analysis given the revised cost of projects.**
- Phase I CIP Project Detail Sheets, which itemize the annual and cumulative funding needs by source by project.**
- 10-year Financing Analysis with detailed forecasts for most major internal funds of the City of Franklin.**



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City of Franklin, Tennessee FY 2017-2026 Capital Investment Program

Executive Summary

In building this model, staff has tried to be conservative with our revenue projections and prudent when determining available resources. "Available fund balances" are current estimated balances in most funds as of June 30th, less amounts reserved either through state law or BOMA policy.

The result is mostly positive - due to the prudent management of the community and the passage of the Invest Franklin initiative, the City can afford to take on all Phase I projects and have reasonable levels of remaining resources to fund additional phases of the FY 2017-2026 **Capital Improvement Program.**



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City of Franklin, Tennessee FY 2017-2026 Capital Investment Program

Available Resources

Taking into account all available fund balances which can be used for capital purposes and forecasting all future revenues for the next decade, we project nearly \$160,000,000 in cash (or over \$206,000,000 in cash + debt) is available for capital projects between now and the end of FY 2026.



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City of Franklin, Tennessee

FY 2017-2026 Capital Investment Program

Available Resources

	Fund Balance Available	Ongoing Resources										Total Available
		FY 2017	FY 2018	FY 2019	FY 2020	FY 2021	FY 2022	FY 2023	FY 2024	FY 2025	FY 2026	
Internal												
General												
Capital Funding Account	\$ 8,101,435	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 8,101,435
1.5 Cent Capital Set-Aside	\$ 1,034,046	\$ 680,736	\$ 687,543	\$ 694,419	\$ 701,363	\$ 708,377	\$ 715,460	\$ 722,615	\$ 729,841	\$ 737,140	\$ 744,511	\$ 8,156,051
Invest Franklin	\$ -	\$ 3,176,766	\$ 3,208,534	\$ 3,240,619	\$ 3,273,025	\$ 3,305,755	\$ 3,338,813	\$ 3,372,201	\$ 3,405,923	\$ 3,439,982	\$ 3,474,382	\$ 33,236,000
Sanitation Fund	\$ -	\$ 32,294	\$ 244,165	\$ 588,923	\$ 556,343	\$ 521,641	\$ 484,723	\$ 445,495	\$ 403,857	\$ 359,705	\$ 312,933	\$ 3,950,079
Road Impact Fund	\$ 4,582,150	\$ 298,664	\$ 838,593	\$ 111,484	\$ 131,256	\$ 153,639	\$ 352,228	\$ 372,842	\$ 103,176	\$ 76,783	\$ 98,114	\$ 7,118,929
Stormwater	\$ 4,436,729	\$ 222,266	\$ 216,697	\$ 210,537	\$ 203,759	\$ 196,328	\$ 188,214	\$ 179,373	\$ 169,778	\$ 159,377	\$ 148,135	\$ 6,331,192
Facilities Tax	\$ 6,349,411	\$ 2,912,000	\$ 2,312,000	\$ 2,312,000	\$ 2,312,000	\$ 2,312,000	\$ 2,312,000	\$ 2,312,000	\$ 2,312,000	\$ 2,312,000	\$ 2,312,000	\$ 30,068,411
Hotel Motel	\$ 2,388,275	\$ 881,418	\$ 1,134,099	\$ 1,139,140	\$ 1,295,873	\$ 1,458,643	\$ 2,049,163	\$ 2,401,230	\$ 1,843,140	\$ 2,547,764	\$ 2,709,614	\$ 19,848,360
In Lieu of Parkland	\$ 4,425,966	\$ 1,207,525	\$ 1,255,000	\$ 1,005,000	\$ 1,005,000	\$ 1,005,000	\$ 1,005,000	\$ 1,005,000	\$ 1,005,000	\$ 1,005,000	\$ 1,005,000	\$ 14,928,491
Water Funding*	\$ -	\$ 552,500	\$ 863,620	\$ 311,120	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 1,727,240
Sewer Funding*	\$ -	\$ 372,500	\$ 528,500	\$ 156,000	\$ 179,850	\$ 179,850	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 1,416,700
External												
MPO/TDOT	\$ -	\$ 8,630,000	\$ 1,555,000	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 10,185,000
Army Corp of Engineers	\$ -	\$ -	\$ -	\$ 750,000	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 750,000
County Facilities Tax	\$ 3,262,263	\$ 950,000	\$ 950,000	\$ 950,000	\$ 950,000	\$ 950,000	\$ 950,000	\$ 950,000	\$ 950,000	\$ 950,000	\$ 950,000	\$ 12,762,263
Utility Agreements	\$ -	\$ 475,000	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 475,000
Developer Agreements	\$ 550,000	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 550,000
Total	\$ 35,129,275	\$ 20,391,669	\$ 13,793,750	\$ 11,469,242	\$ 10,608,470	\$ 10,791,232	\$ 11,395,601	\$ 11,760,756	\$ 10,922,714	\$ 11,587,751	\$ 11,754,689	\$ 159,605,150

**Water & Sewer resources shown only those available for Phase I capital projects. Amount to be further refined.*



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City of Franklin, Tennessee FY 2017-2026 Capital Investment Program

Phase I CIP Project Details

Eight (8) projects are identified in the funding analysis provided herein:

- East McEwen (Phase IV)
- East / Southeast Multipurpose Park
- Sidewalk "Gaps"
- Fire Station 7
- Franklin Road
- Goose Creek Interchange Lighting
- Major Street Resurfacing
- Hillsboro Road Phase II



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City of Franklin, Tennessee

FY 2017-2026 Capital Investment Program

Phase I CIP Project Details

The following shows the financing needs for Phase I CIP projects as ranked by BOMA members and identified by staff.

	Ongoing Resources					Total Needed
	FY 2017	FY 2018	FY 2019	FY 2020	FY 2021	
Internal						
General						
Cash	\$ 580,000	\$ 655,000	\$ 250,000	\$ 250,000	\$ 250,000	\$ 1,985,000
Debt	\$ 7,025,000	\$ 5,732,880	\$ 8,955,630	\$ 15,357,300	\$11,034,550	\$ 48,105,360
Sanitation Fund	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Road Impact Fund	\$ 250,000	\$ 250,000	\$ 250,000	\$ 250,000	\$ 250,000	\$ 1,250,000
Stormwater	\$ 50,000	\$ 50,000	\$ 272,250	\$ 272,250	\$ -	\$ 644,500
Facilities Tax	\$ 225,000	\$ 2,102,500	\$ 3,552,500	\$ 1,500,000	\$ 1,500,000	\$ 8,880,000
Hotel Motel	\$ 195,000	\$ 195,000	\$ -	\$ -	\$ -	\$ 390,000
In Lieu of Parkland	\$ -	\$ 250,000	\$ 600,000	\$ 350,000	\$ 350,000	\$ 1,550,000
Water Funding	\$ 552,500	\$ 863,620	\$ 311,120	\$ -	\$ -	\$ 1,727,240
Sewer Funding	\$ 372,500	\$ 528,500	\$ 156,000	\$ 179,850	\$ 179,850	\$ 1,416,700
External						
MPO/TDOT	\$ 8,630,000	\$ 1,555,000	\$ -	\$ -	\$ -	\$ 10,185,000
Army Corp of Engineers	\$ -	\$ -	\$ 750,000	\$ -	\$ -	\$ 750,000
County Facilities Tax	\$ 500,000	\$ 500,000	\$ -	\$ -	\$ -	\$ 1,000,000
Utility Agreements	\$ 475,000	\$ -	\$ -	\$ -	\$ -	\$ 475,000
Developer Agreements	\$ -	\$ 550,000	\$ -	\$ -	\$ -	\$ 550,000
Total	\$ 18,855,000	\$ 13,232,500	\$ 15,097,500	\$ 18,159,400	\$ 13,564,400	\$ 78,908,800



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City of Franklin, Tennessee FY 2017-2026 Capital Investment Program

Phase I CIP Project Details

- Of the eight (8) projects in Phase I, two (Sidewalk “Gaps” & Fire Station 7) are fully funded as Pay-As-You-Go projects.
- Of the \$78,908,800 in Phase I projects, \$48,105,360 is proposed to be funded through debt financing, some *\$14 million less* than what was proposed in August in the Debt Capacity Analysis provided by PFM.
- Of the \$78,908,800 in Phase I projects, \$12,960,000 (17%) comes from “External Sources”; that is, sources such as the Federal or State governments, the MPO, the County Facilities Tax, or agreements and contributions from utility companies or private developers



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City of Franklin, Tennessee

FY 2017-2026 Capital Investment Program

Remaining Resources

- The chart below shows the anticipated remaining resources after construction of all Phase I projects.

	FY 2017-2026 Projected Resources	Phase I Project Needs	Balance Remaining
Internal			
110 General			
Pay-as-you-go Cash ¹	\$ 16,257,486	\$ 1,985,000	\$ 14,272,486
Debt Service ²	\$ 80,000,000	\$ 48,105,360	\$ 31,894,640
124 Sanitation Fund	\$ 3,950,079	\$ -	\$ 3,950,079
128 Road Impact Fund	\$ 7,118,929	\$ 1,250,000	\$ 5,868,929
130 Stormwater	\$ 6,331,192	\$ 644,500	\$ 5,686,692
135 Facilities Tax	\$ 30,068,411	\$ 8,880,000	\$ 21,188,411
150 Hotel Motel	\$ 19,848,360	\$ 390,000	\$ 19,458,360
155 In Lieu of Parkland	\$ 14,928,491	\$ 1,550,000	\$ 13,378,491
421 Water	\$ 1,727,240	\$ 1,727,240	\$ -
431 Sewer	\$ 1,416,700	\$ 1,416,700	\$ -
External			
MPO/TDOT	\$ 10,185,000	\$ 10,185,000	\$ -
Army Corp of Engineers	\$ 750,000	\$ 750,000	\$ -
County Facilities Tax	\$ 12,762,263	\$ 1,000,000	\$ 11,762,263
Utility Agreements	\$ 475,000	\$ 475,000	\$ -
Developer Contributions	\$ 550,000	\$ 550,000	\$ -
Total	\$ 206,369,150	\$ 78,908,800	\$ 127,460,350



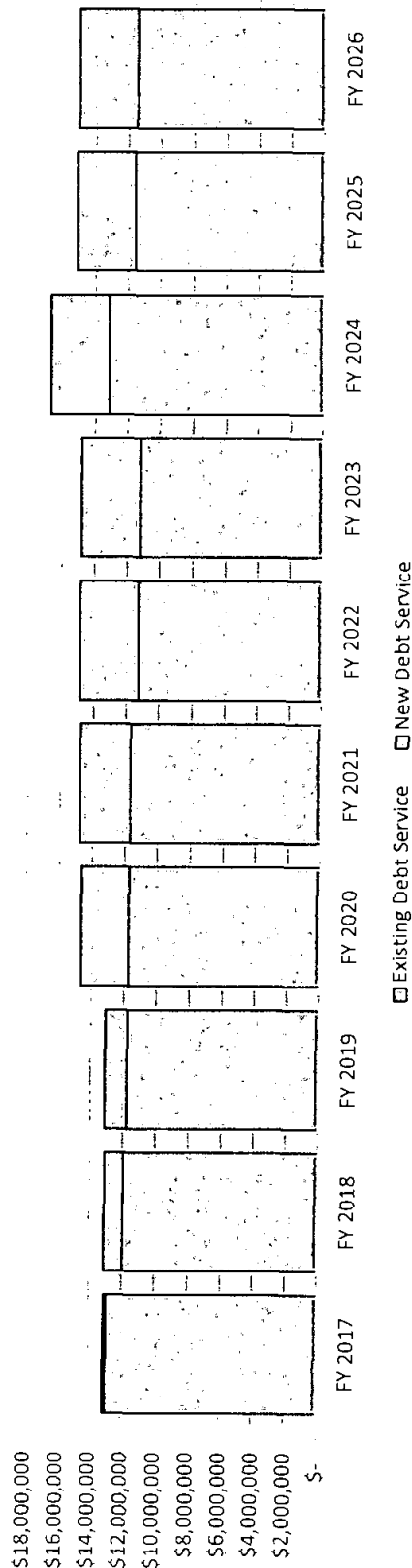
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City of Franklin, Tennessee FY 2017-2026 Capital Investment Program

Debt Capacity Analysis

- The model assumes three debt issuances in the next five years: \$15,000,000 in FY 2017, \$25,000,000 in FY 2019 and \$10,000,000 in FY 2021. The chart below shows the revised debt service chart for General Obligation debt during the horizon of the CIP.

Proposed City of Franklin General Obligation Debt Service - FY 2017 - 2026





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City of Franklin, Tennessee

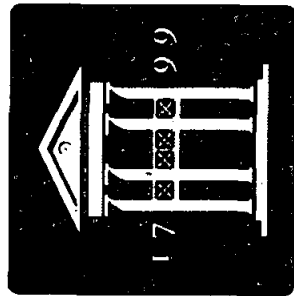
FY 2017-2026 Capital Investment Program

Debt Capacity Analysis & Invest Franklin

- The model assumes using most of the \$0.07 raised through the Invest Franklin initiative to service debt while other funds and capital reserves will be used for pay as you go projects. The table below shows the balance of Invest Franklin Funds if they are used in this way.

	FY 2017	FY 2018	FY 2019	FY 2020	FY 2021
Net Increase Debt Service Year over Year	\$ 150,000	\$ 1,270	\$ (1,709)	\$ 1,535,939	\$ 1,656,442
Invest Franklin	\$ 3,176,766	\$ 3,208,534	\$ 3,240,619	\$ 3,273,025	\$ 3,305,755
Annual Balance of Invest Franklin Funds	\$ 3,026,766	\$ 3,207,264	\$ 3,242,328	\$ 1,737,087	\$ 1,649,314
Cumulative Net Balance Invest Franklin	\$ 3,026,766	\$ 6,234,029	\$ 9,476,357	\$ 11,213,444	\$ 12,862,758

	FY 2022	FY 2023	FY 2024	FY 2025	FY 2026
Net Increase Debt Service Year over Year	\$ 1,728,537	\$ 1,691,819	\$ 3,628,865	\$ 2,078,795	\$ 1,989,809
Invest Franklin	\$ 3,338,813	\$ 3,372,201	\$ 3,405,923	\$ 3,439,982	\$ 3,474,382
Annual Balance of Invest Franklin Funds	\$ 1,610,276	\$ 1,680,383	\$ (222,941)	\$ 1,361,188	\$ 1,484,574
Cumulative Net Balance Invest Franklin	\$ 14,473,034	\$ 16,153,417	\$ 15,930,475	\$ 17,291,663	\$ 18,776,237



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Debt Capacity Model Update

Presented on
August 18, 2016



The PFM Group
Financial & Investment Advisors

PFM Financial Advisors LLC
530 Oak Court Drive
Memphis, TN 38117-3722
P 901.682.8356
F 901.682.8386

Capacity Model Overview

The Capacity Model includes:

- Actual, Audited Revenues and Expenditures for FY 2015
- Estimated, Unaudited FY 2016 Revenues and Expenditures
- Budgeted FY 2017 Revenues and Expenditures
- Revenue and Expenditure Growth Rate Assumptions for FY 2018 – 2022 provided by the City
- Bonds issued in FY 2017, FY 2019 and FY 2021 to cover CIP project needs of \$82.3 million which results in bonds issued totaling \$63.8 million

CIP Summary

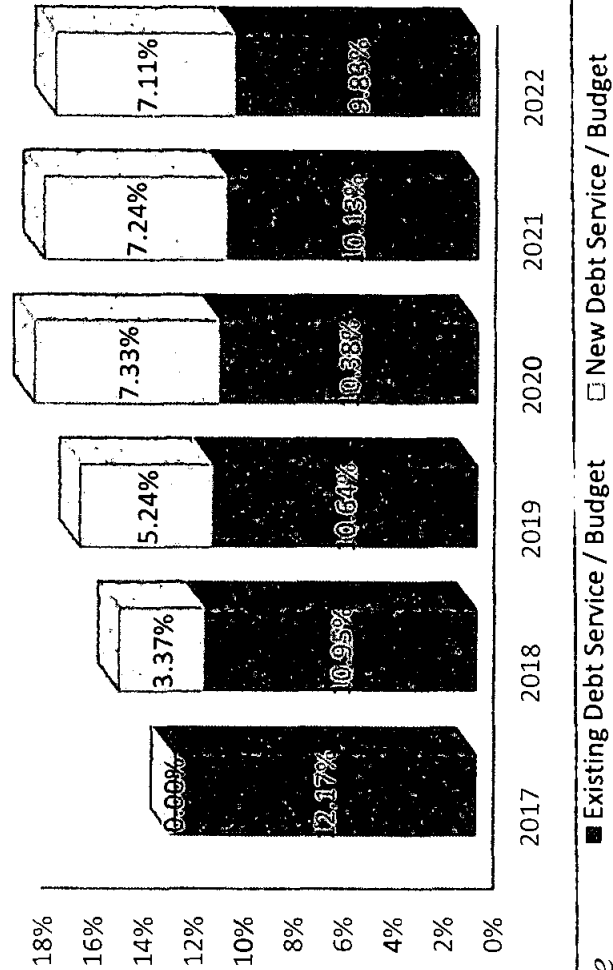
CIP Work Sheet

August 2016 Analysis

Project Description Projects	2017	2018	2019	2020	2021	2022	5 Year Total (18-22)	Project Total
1 East McEwen Drive - Phase 4	2,600,000	1,000,000	12,164,000	12,164,400	-	-	25,328,400	27,928,400
Net Funding Needs	2,350,000	750,000	7,914,000	7,914,400	-	-	16,578,400	18,928,400
2 East/Southeast Multipurpose Park	1,200,000	4,000,000	4,000,000	4,000,000	-	-	12,000,000	13,200,000
Net Funding Needs	-	3,800,000	3,800,000	3,800,000	-	-	11,400,000	11,400,000
3 Sidewalk Gaps	250,000	250,000	250,000	250,000	250,000	-	1,000,000	1,250,000
Net Funding Needs	250,000	250,000	250,000	250,000	250,000	-	1,000,000	1,250,000
4 Fire Station 7	80,000	4,150,000	100,000	-	-	-	4,250,000	4,330,000
Net Funding Needs	-	-	-	-	-	-	-	-
5 Franklin Road Improvements & Streetscape	-	2,550,000	5,895,000	5,895,000	-	-	14,340,000	14,340,000
Net Funding Needs	-	1,900,000	4,405,450	5,155,450	-	-	11,460,900	11,460,900
6 Goose Creek Interchange Lighting	60,000	810,000	-	-	-	-	810,000	870,000
Net Funding Needs	30,000	405,000	-	-	-	-	405,000	435,000
7 Major Street Resurfacing	-	2,400,000	-	1,700,000	-	1,300,000	5,400,000	5,400,000
Net Funding Needs	-	2,400,000	-	1,700,000	-	1,300,000	5,400,000	5,400,000
8 Hillsboro Road	15,000,000	-	-	-	-	-	-	15,000,000
Net Funding Needs	15,000,000	-	-	-	-	-	-	15,000,000
Project Subtotal	19,190,000	15,160,000	22,409,000	24,009,400	250,000	1,300,000	63,128,400	82,318,400
Net Funding Needs	17,630,000	9,505,000	16,369,450	18,819,850	250,000	1,300,000	46,244,300	63,874,300
Bonds Issued	27,135,000	-	35,189,300	-	1,550,000	-	-	63,874,300

Debt Service to Budget Metrics

	2017	2018	2019	2020	2021	2022
New Debt Service		2,177,383	3,492,094	5,001,063	5,058,973	5,125,439
Estimated Gen Fund Budget (GF Revenues)	62,851,566	64,679,768	66,609,758	68,217,387	69,909,525	72,111,789
New Debt Service / Budget	0.00%	3.37%	5.24%	7.33%	7.24%	7.11%
Existing Debt Service	7,651,190	7,079,596	7,084,969	7,080,820	7,085,047	7,086,321
Existing Debt Service / Budget	12.17%	10.95%	10.64%	10.38%	10.13%	9.83%
New + Existing Debt Service	7,651,190	9,256,978	10,577,063	12,081,883	12,144,019	12,211,760
New + Existing Debt Service / Budget	12.17%	14.32%	15.88%	17.71%	17.37%	16.94%



Debt Assumptions:

Interest rate of 5.00%

20 year, level debt service

Debt Management Policy Ratios

The City's updated Debt Management Policy includes the following ratios:

1. Direct debt as a % of Full Value $\leq 1.75\%$
2. Direct debt of Operating Revenues of $\leq 3.00X$
3. Total Governmental Funds Debt Service as a % of expenditures $\leq 25\%$

The City also has a reserve fund policy to maintain at least 33% of General Fund Revenues.

Policy Ratios

	Affordability Matrix				
	Direct Debt % of Full Value	Direct Debt to Operating Revenue	Govt. Fund DS % Govt. Expenditures	General Fund Balance as a % of Operating Revenues ⁽¹⁾	Debt Service as a % of Operating Expenditures ⁽²⁾
Debt Policy	≤ 1.75%	≤ 3.00x	≤ 25%	≥ 30%	
FY 2017 (Series 2017 Bonds)	1.3%	2.4	14.9%	61.9%	10.8%
FY 2018	1.2%	2.2	16.2%	62.8%	12.8%
FY 2019 (Series 2019 Bonds)	1.4%	2.5	17.4%	64.5%	14.1%
FY 2020	1.3%	2.3	19.0%	66.7%	15.5%
FY 2021 (Series 2021 Bonds)	1.2%	2.1	18.9%	69.3%	15.3%
FY 2022	1.1%	2.0	18.3%	72.2%	15.1%

(1) Moody's 2013 Aaa Median = 38.5%

(2) This metric is no longer reported by Moody's.

Assumptions:

Market Value/Full Value grows at 1%

Governmental Expenditures grow at 1%

Operating Expenses include debt service to be paid out of the General Fund

Subject: Proposal to Increase City Council Pay: Empowering Younger Candidates with Families and Full-Time Jobs

Dear Esteemed City Council Members,

As we continue to serve our vibrant and rapidly growing city of 86,000 residents, it's imperative that we reflect on ways to ensure effective governance and representation. I am advocating for an increase in Alderman and Mayor monthly pay for the board of Mayor and Aldermen, with a particular reason to focus on empowering those how are coming after us as well as younger candidates who juggle family responsibilities and full-time employment.

Here are compelling reasons why such an increase is not only warranted but crucial for the continued success of our city:

1. **Attracting Diverse Talent:** Our city boasts highly talented citizens and it's essential that our city council reflects the diversity those individuals and the skill-sets they can offer to our city. By offering compensation that contributes somewhat more towards all the responsibilities we must cover we can attract a wider range of candidates, especially those who may currently be deterred by the investment of time, study, and the financial strain of serving in public office alongside their existing family, job, and community commitments.
2. **Ensuring Representation for Working Families:** Many of our residents are young professionals with families and demanding careers. By increasing the compensation, we send a clear message that our community values and supports individuals from all walks of life, including those who may not have the financial flexibility to cover sitters (at \$15 and \$20 per hour), attending community meeting, events, seminars and just juggling their family and career lives.
3. **Encouraging Civic Engagement:** A increased compensation can incentivize more individuals, particularly younger demographics, to engage in local public service and consider running for the Board of Mayor and Aldermen. This infusion of fresh perspectives and energy is essential for keeping our governance dynamic and responsive to the evolving needs of our community.
4. **Balancing Commitments:** Serving on the Board of Mayor and Aldermen is a significant responsibility that often requires time away from family and work obligations. Increasing compensation can assist in alleviating the financial burden associated with this important commitment, enabling BOMA members to strike a better balance between their civic duties and personal and professional lives.
5. **Investment in Effective Governance:** Ultimately, investing in fair compensation for Board of Mayor and Aldermen members is an investment in the effectiveness and integrity of our governance and can help attract and retain dedicated individuals who are representative of our community.

In conclusion, raising the monthly compensation for city council members is not just about fair compensation—it's about fostering inclusivity, promoting civic engagement, and ensuring effective governance for the benefit of all residents. I urge my fellow Aldermen to consider this proposal seriously and to join me in taking this important step towards a future vibrant and representative Board of Mayor and Aldermen.

Let's remember:

1. No one takes on this position / job as a working income or expects anything close to a sustainable income. That is not why any of us do this job or the public servants to come after us. I have never met any Alderman who ran for office because they thought a monthly compensation was a paying job they were applying for.
2. People should not be penalized for wanting to serve or be disincentivized because of the demands on time and finances.
3. Let's not overlook the non-visible things, working through the issues, studying massive amounts of material at times, attending seminars, community meetings, and dealing with explosive growth and all the challenges that brings to our city and board.
4. BOMA members are not just board members, they are members of an executive board the take on critical responsibilities for our city.
5. Look at the growth over the last 10 year and the work load the complexities of the issues (sewer treatment plant, drinking water plant, impact fees, growth, sewer basins challenges, long term planning, financial planning for a fast-growing community, the list goes on).
6. Aldermen and the Mayor in reality, don't have a day off a they serve 365 days a year. Yes, one of us even got a call on Christmas day. So, the Aldermen and Mayor are on the clock.
7. Just one metric for the increase growth and increased activity is look at the number of increased numbers of employees that work for the city, the increases in pay for staff and especially the increase in pay for administration over the last 15 years. In a weak Mayor system, the actual decision-making via votes on important issue primarily rest on the shoulders of the Aldermen. It is their responsivity to become extremely well informed on each decision, thus adding more to the workload of the current board and to those to come. The workload of our mayor has increase just as well and his ambassadorship for a nationally and internationally recognized city is very demanding here locally and at the state level and beyond.

Currently Compensation for:

Aldermen \$1000 per month /per year \$12,000

Mayor: \$2,000 per month / per year \$24,000

Proposed:

Aldermen \$2,250 per month/ per year \$27,000

Mayor: \$4,000 per month / Per year \$48,000

Thank you for your attention to this needed matter.

Elected Official Pay Data

Alcoa	Mayor – \$350 per month (\$4,200/yr) Commissioners – \$275 per month (\$3,300/yr) No additional pay. Elected officials do not receive benefits.
Bartlett	Mayor – \$105,000/yr Board Members – \$12,000/yr Mayor is full-time and receives \$500/month stipend for personal use vehicle. No additional pay. Defined Pension Plan if elected before 7/1/14. City's Defined Pension Benefit 401 Plan if elected after 7/1/14. Can participate in health, vision, and disability plans like city employees.
Brentwood	Mayor – \$1000 per month (\$12,000/yr) Commissioners – \$950 per month (\$11,400/yr) No additional pay. Both receive Health and Life Insurance benefits only.
Bristol	Mayor – \$8,077.60/yr Council Member – \$8,077.60/yr No additional pay. Elected officials are eligible for all the same benefits as full-time employees except for Life Insurance or Short Term Disability.
Chattanooga	Mayor – \$192,237.53/yr (calculated) Council Member – 15% of Mayoral Salary (\$28,835.63/yr) Council Chair – \$33,835.63/yr (additional \$5,000 from Council Member) Council Vice Chair – \$31,335.63/yr (additional \$2,500 from Council Member) No additional pay. Each Council Member is allotted \$6,000 for District-specific expenses (reimbursement) Elected Officials are eligible to receive all city employee benefits, except for longevity bonuses.
Collierville	Mayor – \$35,000/yr Vice-Mayor – \$15,000/yr Aldermen – \$12,000/yr No additional pay. Found salary based on charter (resolution amendments) Increase by \$2,000 for Mayor and \$1,000 for Aldermen in 4 year increments.*

	Board members receive health and life insurance benefits.
Columbia	Mayor – \$346.15 every two weeks (\$9,000/yr) Vice-Mayor – \$279.96 every two weeks (\$7,278.96/yr) Council – \$230.77 every two weeks (\$6,000/yr) No additional pay. All are offered medical and dental insurance like City employees.
Fairview	Mayor – \$1,000 per month (\$12,000/yr) Commissioners – \$950 per month (\$11,400/yr) No additional pay. Elected officials do not receive benefits.
Germantown	Mayor – \$24,000/yr Aldermen – \$12,000/yr The Mayor receives a vehicle allowance. All are eligible to be on the city’s health care insurance.
Johnson City	Mayor – \$150 per month (\$1,800/yr) Commissioners – \$100 per month (\$1,200/yr) No additional pay. Elected Officials are eligible to participate in City insurance.
Kingsport	Mayor – \$3,000/yr Aldermen – \$2,400/yr No additional pay. No benefits.
Knoxville	Mayor – \$162,500/yr Council – \$24,000/yr No additional pay. Elected Officials are eligible for City benefits.
Maryville	Mayor – \$50 per month (\$600/yr) Council – \$25 per month (\$300/yr) Elected Officials do not receive any City-provided benefits.
Murfreesboro	Mayor – \$12,000/yr Council – \$11,400/yr Council Members receive a car allowance of \$4,800/yr and a phone allowance of \$1,800/yr.

	The Mayor receives a car allowance of \$9,600/yr and a phone allowance of \$1,800/yr. All are eligible for benefits like employees.
Nashville (found on General Pay Plan)	Mayor – \$180,000/yr (change to \$209,898/yr in September 2023) Vice-Mayor – \$25,230/yr (change to \$27,977/yr in September 2023) Council Member – \$23,100/yr (change to \$25,615/yr in September 2023)
Nolensville	Mayor – \$425 per month (\$5,100/yr) Vice-Mayor – \$425 per month (\$5,100/yr) Commissioners – \$425 per month (\$5,100/yr) No additional pay. Elected officials do not receive city-provided benefits.
Spring Hill	Mayor – \$925 per month (\$11,100/yr) Aldermen – \$450 per month (\$5,400/yr) Aldermen on the Planning Commission – \$500 per month (\$6,000/yr) No additional pay. All are eligible for benefits like employees, but is not eligible for medical opt-out pay.
Thompson's Station	Mayor – \$10,000/yr Alderman – \$5,000/yr No additional pay. Mayor can use a town paid-for cell phone for official business (\$360/yr) No benefits aside from required training by the State.