



Planning Commission Meeting Agenda

Tuesday, June 09, 2026 at 6:00 PM

The Tom Hardin Room – 100 Public Square, Mount Pleasant, TN

1. **Call to Order**
2. **Pledge of Allegiance / Invocation**
3. **Roll Call**
 - A. John Hunter - *Chair*
Jennifer Graham - *Vice Chair*
Pam Johnston - *Secretary / City Commissioner*
Kris Irvin - *Member*
Cedric Hollis - *Member*
4. **Approval / Correction of Minutes from Prior Meetings**
 - A. Regular Session - May 12, 2026
5. **Completion / Review of Unfinished Business from prior meeting**
6. **Special reports from other City Departments or Committees if applicable**
7. **New Business**

(Comments from citizens may or may not be included, dependent on the issues.)

 - A. **Applicant:** Billy Hill, on behalf of Lineage Metals **Request** a Site plan approval for a proposed 25,000- square- foot building to be **located** on Joe Frank Road, within the Cherry Glen Industrial Park on 6.85 acres, better identified as Map 126, Parcel 041.69 zoned IL (Light Industrial)
 - B. Consideration of **Resolution 2026- PC- 02**, establishing and accepting a **two- year sanitary sewer maintenance bond** for Tractor Supply Company (TSC) for the completed **off- site sewer line extension**. The required public improvement consists of approximately **800 linear feet of sanitary sewer main** and associated structures.
 - C. Consideration of **Resolution 2026- PC- 03** of a **sidewalk performance bond** for construction of the required sidewalk improvements along South Cross Bridges Road. The Sidewalk construction cannot be completed before Certificate of Occupancy due to utility pole and line relocation.
8. **General comments from citizens (May be limited in time and/or number of comments.)**
9. **Board / Staff Comments / Adjournment**



Planning Commission Meeting Minutes

Tuesday, May 12, 2026 at 6:00 PM

The Tom Hardin Room – 100 Public Square, Mount Pleasant, TN

1. Call to Order

Chair John Hunter calls the meeting to order.

2. Pledge of Allegiance / Invocation

Vice Chair Jennifer Graham leads the Pledge of Allegiance and Secretary Pam Johnston leads the Invocation.

3. Roll Call

PRESENT

Chair John Hunter

Vice Chair Jennifer Graham

Secretary / City Commissioner Pam Johnston

Member Cedric Hollis

Member Kris Irvin

A. John Hunter - *Chair*

Jennifer Graham - *Vice Chair*

Pam Johnston - *Secretary / City Commissioner*

Kris Irvin - *Member*

Cedric Hollis - *Member*

4. Approval / Correction of Minutes from Prior Meetings

A. Meeting minutes 4-14-26

Vice Chair Jennifer Graham makes a motion to approve the meeting minutes for April 14, 2026 and Member Cedric Hollis seconds the motion.

5. Completion / Review of Unfinished Business from prior meeting

None at this time.

6. Special reports from other City Departments or Committees if applicable

None at this time.

7. New Business

(Comments from citizens may or may not be included, dependent on the issues.)

A. Applicant Maria Christensen requests approval for the subdivision of one parcel totaling 1.72 acres into three parcels located at 409 Williams Spring Rd, more fully described as Map 127, Parcel 008.05. The current zoning is R1 (Low Density Residential).

Chris Brooks reads out the agenda item for 409 Williams Spring Road.

Chair John Hunter asked Mr. Brooks about the zoning of the property. The engineer, Will Hagar, discusses the request with the commissioners.

For more detail, please refer to the audio/visual video attached to the agenda.

Motion made by Vice Chair Graham, Seconded by Member Hollis.

Voting Yea: Chair Hunter, Vice Chair Graham, Secretary / City Commissioner Johnston, Member Hollis, Member Irvin

- B. Applicant CBC Properties, LLC requests approval of a site plan for an 8,490- square- foot parking area located at 1119 N Main St, more fully described as Map 127, Parcel 040.00. The current zoning is CH (Commercial Highway)

Chris Brooks reads the agenda item.

Justin Robinette comes to speak on the commercial rental property. He explains the property, paving, and what kind of rental it could possibly become. Mr. Robinette also speaks on the buffer in the rear and states he is happy with whatever the city needs him to do on the property.

Ben Willard comes up to speak on the property and their concerns from the fire marshal's side due to fire hydrant access and hose reach.

Chris Collier with CRC Consulting, and representing Justin Robinette, comes up to speak on the request. He states the lot is 83 feet wide and speaks on buffering.

Commissioners discussed and decided to approve the request with the condition of a 30' buffer in the rear and paving the driveway. For more detail, please refer to the audio/visual video attached to the agenda.

Motion made by Vice Chair Graham, Seconded by Member Hollis.

Voting Yea: Chair Hunter, Vice Chair Graham, Secretary / City Commissioner Johnston, Member Hollis, Member Irvin

- C. Applicant Tony Martin requests approval of a site plan for a 5,100- square- foot commercial building located at 739 S Main St, more fully described as Map 150B, Group A, Parcel 012.00. The current zoning is CH (Commercial Highway)

Chris Brooks reads the agenda item.

Will Hagar states the applicant came to them for a preapplication meeting. The applicant intends to develop a commercial retail center. Mr. Hagar states Barge may have other comments on the site.

Ben Willard speaks on fire hydrant access and hose reach.

Melissa Martin states that she has no problem with what has been set forth so far. She said they have addressed the turning radius and signage issues. Mrs. Martin also said the engineer has already addressed the Barge concerns and they need to figure out the sewer line to finalize the concerns.

Mr. Brooks said that CEC will be commenting before a disturbance permit can be issued.

Commissioners discussed and stated they approved under the conditions of the land disturbance permit, the hydrant flow test meeting the fire marshal's requirement, and the photomatic plan requirement. For more details, please refer to the audio/visual video attached to the agenda.

Motion made by Vice Chair Graham.

Voting Yea: Chair Hunter, Vice Chair Graham, Secretary / City Commissioner Johnston, Member Hollis, Member Irvin

- D. Public Hearing - Deferred from the 4-14-26 planning commission meeting-The Mount Pleasant Planning Commission will conduct a public hearing to review and discuss proposed

amendments to the Mount Pleasant Zoning Ordinance pursuant to Section 4.7. The proposed amendments include the addition of a large- lot zoning district, addition of a Planned Unit Development (PUD) provisions, updates to the annexation section, and various miscellaneous edits.

Chris Brooks reads the agenda item.

Will Hagar discusses the amended sections in the committee's packet. Kori Jones then explains the annexation section has the most red lined changes.

Commissioners discussed. For more detail, please refer to the audio/visual video attached to the agenda.

Motion made by Vice Chair Graham, Seconded by Member Irvin.

Voting Yea: Chair Hunter, Vice Chair Graham, Secretary / City Commissioner Johnston, Member Hollis, Member Irvin

8. General comments from citizens (May be limited in time and/or number of comments.)

Lee Borque comes up to speak. He said he was in favor of PUD and goes into further detail as to why.

For more detail, please refer to the audio/visual attached to the agenda.

9. Board / Staff Comments / Adjournment

Chair John Hunter makes a motion to adjourn.

LINEAGE METALS

JOE FRANK PORTER ROAD CHERRY GLEN INDUSTRIAL PARK MOUNT PLEASANT/MAURY COUNTY, TENNESSEE

CERTIFICATE OF APPROVAL BY PLANNING DIRECTOR

THE UNDERSIGNED, AS DIRECTOR OF PLANNING FOR THE CITY OF MOUNT PLEASANT, TENNESSEE HEREBY CERTIFIES THAT THE PROPERTY AND SITE PLAN HAS BEEN INSPECTED, REVIEWED, AND FOUND TO BE COMPLIANT WITH ZONING ORDINANCE AND SUBDIVISION REGULATIONS

THIS THE _____ DAY OF _____, 20____

DIRECTOR, PLANNING

CERTIFICATE OF APPROVAL BY THE FIRE DEPARTMENT

THE UNDERSIGNED, AS DULY AUTHORIZED REPRESENTATIVE OF THE MT.PLEASANT FIRE DEPARTMENT, CITY OF MOUNT PLEASANT, TENNESSEE CERTIFIES THE WITHIN SITE PLAN HAS BEEN REVIEWED AND APPROVED

THIS THE _____ DAY OF _____, 20____

MT PLEASANT FIRE DEPARTMENT
CITY OF MOUNT PLEASANT

ZONING: LIGHT INDUSTRIAL (IL)
TOTAL PARCEL AREA: 6.85 AC
TOTAL DISTURBED AREA: 2.69 AC

CERTIFICATE OF APPROVAL BY CHERRY GLEN DESIGN REVIEW BOARD

THE UNDERSIGNED, AS DULY AUTHORIZED REPRESENTATIVE OF THE CHERRY GLEN INDUSTRIAL PARK DESIGN REVIEW BOARD, CITY OF MOUNT PLEASANT, TENNESSEE CERTIFIES THE WITHIN SITE PLAN HAS BEEN REVIEWED AND APPROVED

THIS THE _____ DAY OF _____, 20____

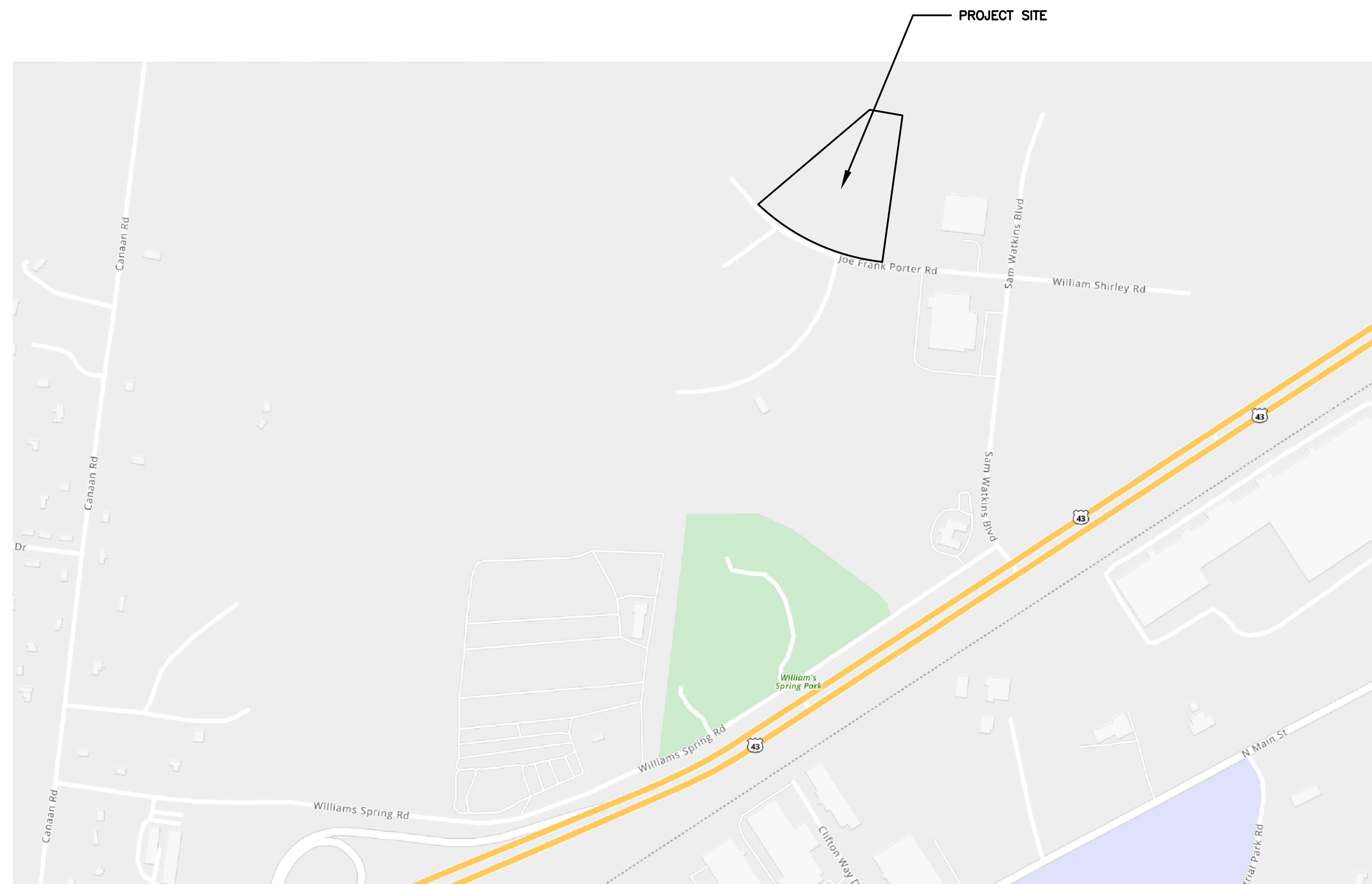
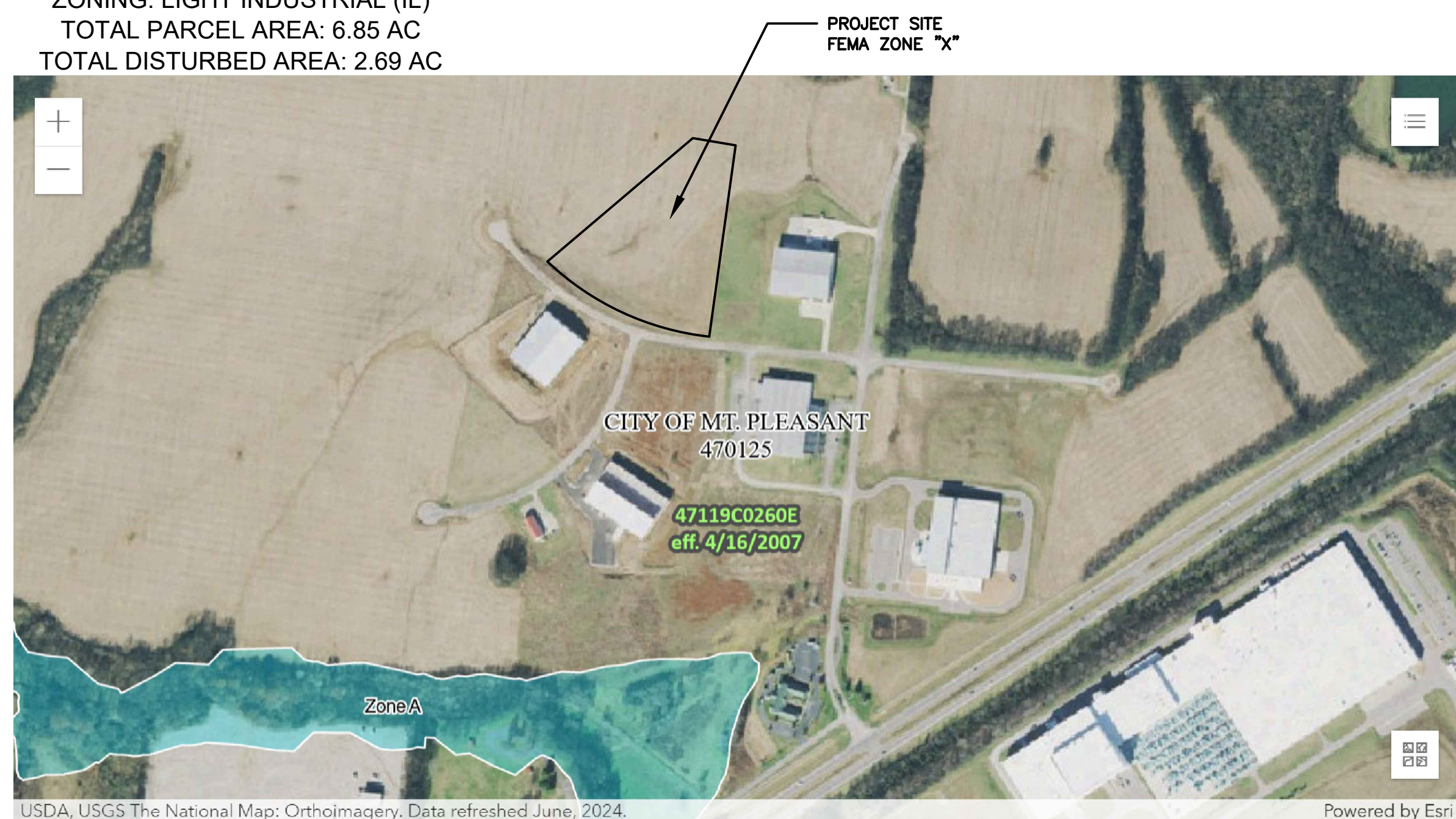
CHERRY GLEN INDUSTRIAL PARK DESIGN REVIEW BOARD
CITY OF MOUNT PLEASANT

INDEX OF SHEETS

NO.	SHEET TITLE
1	COVER SHEET
2	SURVEY
3	DEMOLITION & EROSION CONTROL
4	GENERAL NOTES
5-6	SITE AND LAYOUT PLAN
7-8	GRADING AND DRAINAGE PLAN
9	UTILITY PLAN
10	PHOTOMETRIC AND LIGHTING PLAN
11	LANDSCAPING PLAN
12	ADDITIONAL DETAILS

**LINEAGE METALS -
CHERRY GLEN INDUSTRIAL PARK**
JOE FRANK PORTER ROAD
MT. PLEASANT, TN 38474

MAY 28, 2026



VICINITY MAP
APPROX. SCALE: 1"=500'

REVISIONS		
NO.	DESCRIPTION	DATE

USDA, USGS The National Map: Orthoimagery, Data refreshed June, 2024. Powered by Esri

PIN
Approximate location based on user input and does not represent an authoritative property location

MAP PANELS
 [NO SCREEN] Area of Minimal Flood Hazard Zone X
 [Blue Box] Effective LOMRA
 [Green Box] Area of Undetermined Flood Hazard Zone D
 [Hatched Box] Otherwise Protected Area
OTHER AREAS
 [Blue Box] Coastal Barrier Resource System Area

SPECIAL FLOOD HAZARD AREAS
 [Light Blue Box] Without Base Flood Elevation (BFE) Zone A, X, Z
 [Pink Box] With BFE or Depth
 [Red Box] Regulatory Floodway Zone AE, AO, AH, VE, VE1
 [Orange Box] 0.2% Annual Chance Flood Hazard, Areas of 1% annual chance flood with average depth less than one foot or with drainage areas of less than one square mile Zone X
 [Dark Orange Box] Future Conditions 1% Annual Chance Flood Hazard Zone X
 [Yellow Box] Area with Reduced Flood Risk due to Levee. See Notes. Zone X
 [Green Box] Area with Flood Risk due to Levee Zone D

OTHER FEATURES
 [Red Line] Cross Sections with 1% Annual Chance Water Surface Elevation
 [Blue Line] Coastal Transect
 [Black Line] Base Flood Elevation Line (BFE)
 [Red Line] Limit of Study
 [Yellow Line] Jurisdiction Boundary
 [Black Line] Coastal Transect Baseline
 [Blue Line] Profile Baseline
 [Blue Line] Hydrographic Feature

GENERAL STRUCTURES
 [Dashed Line] Channel, Culvert, or Storm Sewer
 [Dotted Line] Levee, Dike, or Floodwall

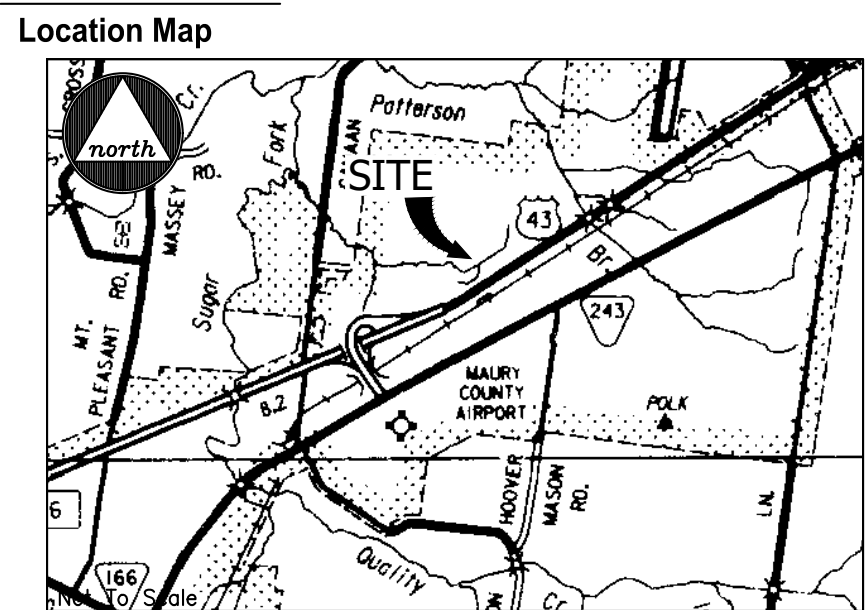
SOMERS CONSULTING SERVICES, LLC.
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HUNTSVILLE, AL 35801

LINEAGE METALS
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2737 COUCHVILLE PIKE, SUITE 300
NASHVILLE, TN 37217

DRAWN: AS
CHECKED: AS

SHEET NAME:
COVER

SCALE: NO SCALE
SHEET NO: 1 OF 12



© 2026

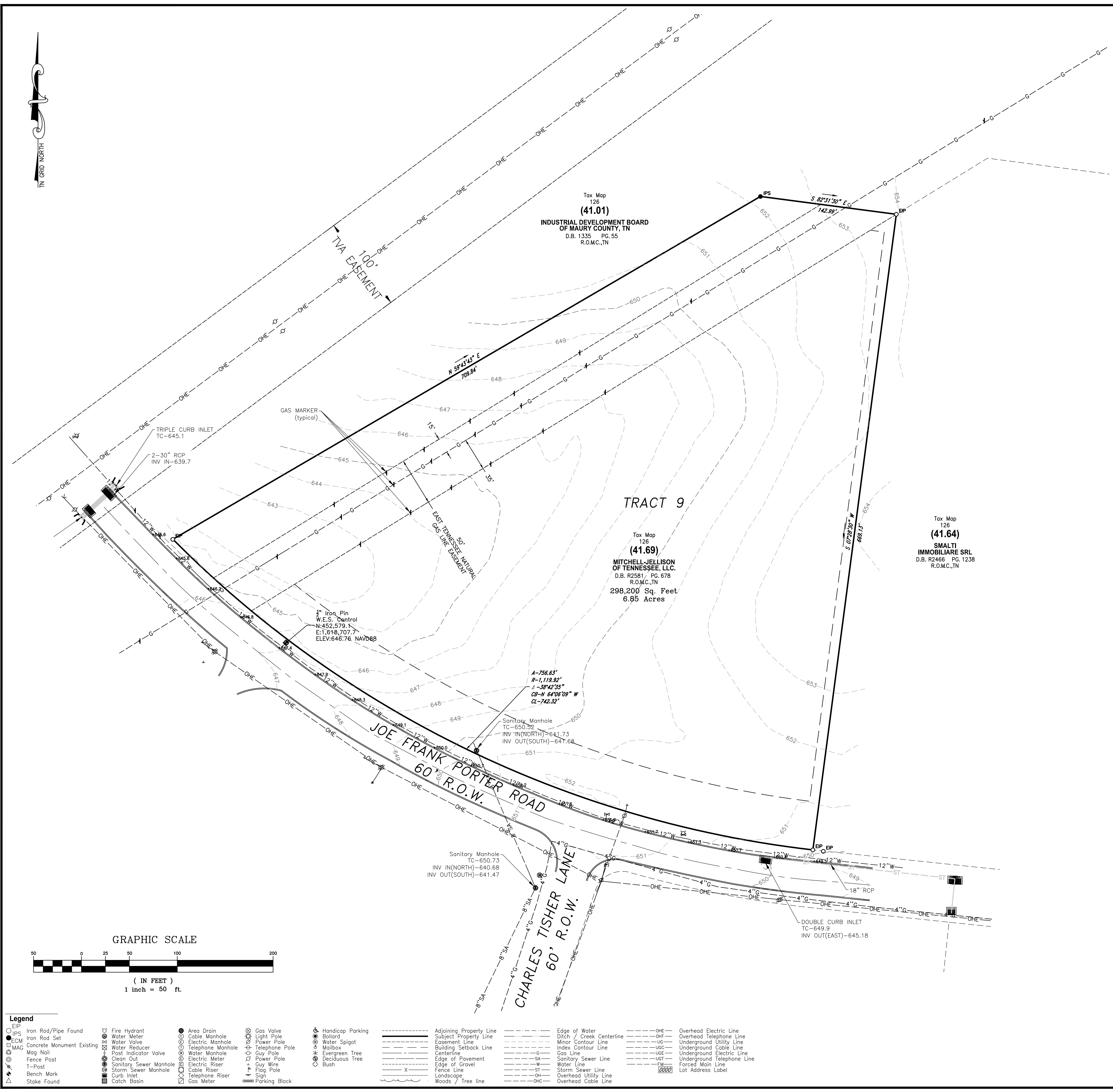
WES ENGINEERS & SURVEYORS
CIVIL ENGINEERS & LAND SURVEYORS
2486 NASHVILLE HIGHWAY
COLUMBIA, TN 38401
PHONE: (931) 388-2329
www.wesengineers.com

Client
ANDY SOMERS

CHERRY GLEN - LOT 9
JOE FRANK PORTER ROAD
MT. PLEASANT, TN 38474

REVISIONS	DATE

Job no. 26524
Scale Vertical: 1" = 50'
Horizontal:



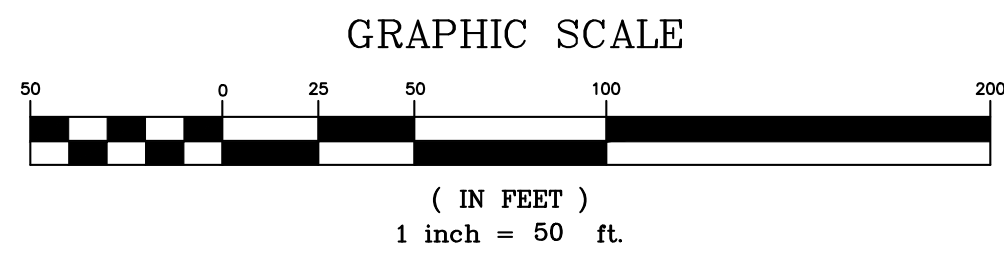
- Surveyor's Notes**
- All distances measured with E.D.M. equipment and have been adjusted for temperature and pressure, this survey was completed using a dual frequency BRX7, base and rover.
 - The property (Boundary) Line Survey exceeds the minimum requirements of an Urban Land Survey Category IV as per Standards of Practice adopted by the State Board of Examiners for Land Surveyors for the State of Tennessee.
 - Information concerning site utility services and appurtenances shown hereon is based on visible evidence noted during the survey, information provided by utility representatives or information shown on original construction plans by other. Information and location of service lines on site should be considered approximate and there may be underground utility lines that are not shown on the survey. Owner(s) and contractor(s) should assume responsibility of locating all underground utility service lines prior to any construction, excavation or any disturbance of the existing ground elevation to avoid hazard of unnecessary expense.
 - Information concerning major utilities or appurtenances shown hereon are based on visible evidence noted during the survey or information provided by utility representatives. Verification of existence, size, location, depth and availability of service should be confirmed by local utility agencies.
 - The property shown hereon is located within the City of Columbia, Maury County, TN. All matters pertaining to construction, use location of improvements, signage, parking, noise, vibration, emissions, fire hazards, radiation, illumination, setback provisions, etc., are subject to the City of Columbia's Zoning Regulation as interpreted and regulated by the Department of Planning and Codes.
 - The area of the parcels as shown hereon.
 - This property currently identified as Tax Map No. 126, Parcel No. 041.69, Maury County. For designation shown thus () indicates Parcel Numbers for said map.
 - Plot reference: N/A
 - Deed reference: Book R2581, Page 678
 - Bearings based on: Tennessee State Plane, NAD 83.
 - This drawing was prepared in accordance with our field survey notes. It shows improvements as they exist to the best of our knowledge, but is not guaranteed to be correct in each and every detail.
 - This survey was prepared from current deeds of record and does not represent a title search or a guarantee of title, and is subject to any state of facts a current and accurate search may reveal.
 - This survey was prepared for the exclusive use of the person, persons, or entity, if any, named on the certification hereon. Said certificate does not extend to any unnamed person without an express re-certification by the surveyor naming said person.
 - The certification as provided on this survey, is purely a statement of professional opinion based on knowledge, information and belief, based on existing field evidence and documentary evidence provided by others.
 - The certification is not an expressed or implied warranty or guarantee.
 - This property is not located in a Special Flood Hazard Area as shown on F.E.M.A. Flood Insurance Rate Map, Community Panel No. 47119C0260E, dated April 16, 2007, and shown hereon graphically.
 - All property corners are 1/2" rebar with cap reading "WES 1987" unless otherwise noted.

Surveyor's Certification (Tennessee)
I hereby certify that this is a Category "IV" survey, meets or exceeds the Minimum Technical Standards for Land Surveyors and was done in compliance with the current Minimum Technical Standards.

Allen B. O'Leary
Allen B. O'Leary, TN RLS #1987 5/7/26
Date

I hereby certify this is a true and accurate survey and meets or exceeds the current Minimum Standards and Applications of a Category IV (Remote Sensing) survey as defined in T.C.A. 0820-03-07(c)(5).

Equipment: Carlson BRX7, Dual Frequency Base and Rover
Reference Frame: NAD83(2011), Epoch 2010.00
Positional Accuracy: HRMS=+0.04 SD=0.008, VRMS=+0.075 SD=0.013
Geoid: NGS2018
Date: xx/xx/20xx
Combined Scale Factor: 0.99993



Legend

<ul style="list-style-type: none"> ● EIP ○ Iron Rod/Pipe Found ● Iron Rod Set ■ Concrete Monument Existing ○ Mag Nail ○ Fence Post ○ T-Post ○ Bench Mark ○ Stake Found 	<ul style="list-style-type: none"> ○ Fire Hydrant ○ Water Meter ○ Water Valve ○ Water Reducer ○ Post Indicator Valve ○ Clean Out ○ Sanitary Sewer Manhole ○ Curb Inlet ○ Catch Basin 	<ul style="list-style-type: none"> ○ Area Drain ○ Cable Manhole ○ Electric Manhole ○ Telephone Manhole ○ Water Manhole ○ Electric Meter ○ Electric Riser ○ Cable Riser ○ Telephone Riser ○ Gas Meter 	<ul style="list-style-type: none"> ○ Gas Valve ○ Light Pole ○ Power Pole ○ Telephone Pole ○ Guy Pole ○ Power Pole ○ Guy Wire ○ Flag Pole ○ Sign ○ Parking Block 	<ul style="list-style-type: none"> ○ Handicap Parking ○ Bollard ○ Water Spigot ○ Mailbox ○ Evergreen Tree ○ Deciduous Tree ○ Bush 	<ul style="list-style-type: none"> --- Adjoining Property Line --- Subject Property Line --- Easement Line --- Building Setback Line --- Centerline --- Edge of Pavement --- Edge of Gravel --- Fence Line --- Landscape --- Woods / Tree Line 	<ul style="list-style-type: none"> --- Edge of Water --- Ditch / Creek Centerline --- Index Contour Line --- Gas Line --- Sanitary Sewer Line --- Water Line --- Storm Sewer Line --- Overhead Utility Line --- Overhead Cable Line 	<ul style="list-style-type: none"> --- OHE Overhead Electric Line --- OHT Overhead Telephone Line --- UG Undergound Utility Line --- UGC Undergound Cable Line --- UGE Undergound Electric Line --- UGT Undergound Telephone Line --- FM Forced Main Line --- Lot Address Label
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FILE: \\WES_Engineers_Surveyors_2026\26524 - Joe Frank Porter Lot 9 - Somers\Draw\Survey\01 - Survey\26524 Frank Survey.dwg

LINEAGE METALS - CHERRY GLEN INDUSTRIAL PARK

JOE FRANK PORTER ROAD
MT. PLEASANT, TN 38474

MAY 28, 2026



SOMERS CONSULTING SERVICES, LLC.
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LINEAGE METALS
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2737 COUCHVILLE PIKE, SUITE 300
NASHVILLE, TN 37217

DRAWN: AS	CHECKED: AS
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SHEET NAME:
DEMOLITION AND EROSION
CONTROL PLAN

SCALE: 1"=30'	SHEET NO.: 3 OF 12
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SOMERS CONSULTING SERVICES, LLC

**LINEAGE METALS -
CHERRY GLEN INDUSTRIAL PARK**
JOE FRANK PORTER ROAD
MT. PLEASANT, TN 38474

MAY 28, 2026

NOTES:

1. THE ENTIRETY OF THE PROPERTY AND PROJECT IS ZONED AS LIGHT INDUSTRIAL (IL) PER THE MOUNT PLEASANT ZONING MAP.
2. THE INTENT OF THE DRAWINGS IS THAT THE CONTRACTOR SHALL FURNISH ALL LABOR, MATERIALS, TOOLS, EQUIPMENT, TRANSPORTATION, AND OTHER ITEMS OR MEANS NECESSARY FOR THE PROPER EXECUTION OF THE WORK IN ACCORDANCE WITH THE CONTRACT DOCUMENTS AND ALL INCIDENTAL WORK NECESSARY TO COMPLETE THE PROJECT IN AN ACCEPTABLE MANNER, READY FOR USE, OCCUPANCY, OR OPERATION BY THE OWNER.
3. THE CONTRACTOR SHALL HAVE, AT ALL TIMES, A COPY OF ALL CONSTRUCTION DOCUMENTS APPLICABLE TO THE WORK, INCLUDING, BUT NOT LIMITED TO: PLANS, SPECIFICATIONS, CONTRACT DOCUMENTS, CONFORMED DOCUMENTS, SPECIAL CONDITIONS, AND PERMITS.
4. THE CONTRACTOR SHALL BE RESPONSIBLE FOR COMPLETING THE WORK IN ACCORDANCE WITH ALL APPLICABLE CONSTRUCTION DOCUMENTS. ANY OMISSIONS, DELETIONS, OR CONFLICTS ARISING AS A RESULT OF FAILURE TO INCORPORATE/COORDINATE ALL CONSTRUCTION REQUIREMENTS THAT APPLY SHALL BE CORRECTED BY THE CONTRACTOR AT NO ADDITIONAL COST TO THE OWNER AND/OR ENGINEER.
5. THE CONTRACTOR SHALL GIVE ALL NECESSARY NOTICES, OBTAIN ALL PERMITS, AND PAY ALL LEGAL FEES ASSOCIATED WITH THE EXECUTION OF THIS PROJECT. THE CONTRACTOR SHALL ALSO COMPLY WITH ALL STATE, COUNTY, AND LOCAL ORDINANCES AND REGULATIONS RELATED AND APPLICABLE TO THE CONSTRUCTION OF THIS PROJECT.
6. THE CONTRACTOR SHALL BE RESPONSIBLE FOR LOCATING ALL UNDERGROUND UTILITIES, INCLUDING, BUT NOT LIMITED TO: POTABLE WATER, SANITARY SEWER, ELECTRIC, TELEPHONE, NATURAL GAS, CABLE TELEVISION, AND FIBER OPTIC CABLES. THE CONTRACTOR SHALL COORDINATE WITH THE OWNERS OF ALL UNDERGROUND UTILITIES TO LOCATE AND CLEARLY MARK ALL UTILITIES ON THE GROUND PRIOR TO BEGINNING CONSTRUCTION ACTIVITY. ADDITIONALLY, THE CONTRACTOR SHALL ENSURE THAT ALL UTILITY LOCATES ARE MAINTAINED AND UPDATED THROUGHOUT ALL PHASES OF CONSTRUCTION ACTIVITY.
7. EFFORTS HAVE BEEN MADE TO INDICATE LOCATIONS OF EXISTING STRUCTURES, PIPING, UTILITIES, AND TOPOGRAPHY AS PROVIDED BY OWNER'S SURVEYOR. HOWEVER, THE CONTRACTOR SHALL FIELD VERIFY EXACT MEASUREMENTS AND LOCATIONS OF ALL EXISTING ITEMS BEFORE INITIATING ANY CONSTRUCTION ACTIVITIES. ANY EXISTING STRUCTURE, PIPING, OR UTILITY DISTURBED OR DAMAGED BY THE CONTRACTOR DURING CONSTRUCTION ACTIVITIES SHALL BE REPLACED BY THE CONTRACTOR AT NO ADDITIONAL COST TO THE OWNER. THE CONTRACTOR SHALL PROVIDE SUFFICIENT ADVANCE COORDINATION OF DISRUPTION WITH THE OWNER OF ANY FACILITY AS A RESULT OF CONSTRUCTION ACTIVITY.
8. THE LIMITS OF CONSTRUCTION SHALL BE THE PROPERTY LINES, EASEMENT LINES, AND/OR RIGHT(S)-OF-WAY AS SHOWN OR NOTED ON THE PLANS. THE CONTRACTOR SHALL ACQUIRE ANY ADDITIONAL EASEMENTS REQUIRED FOR CONSTRUCTION AT NO ADDITIONAL EXPENSE TO THE OWNER.
9. THE CONTRACTOR SHALL BE RESPONSIBLE FOR CONTROLLING TRAFFIC AT THE WORK SITE. THE CONTRACTOR SHALL PROVIDE AND EMPLOY TRAFFIC CONTROL AS REQUIRED ON THE PLANS AND ACCORDING TO THE MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES, FOR STREETS AND HIGHWAYS, TEMPORARY TRAFFIC CONTROL, LATEST EDITION. AT NO TIME DURING THE CONSTRUCTION SHALL THE CONTRACTOR CLOSE ROADS TO VEHICLE TRAFFIC WITHOUT THE CONSENT AND APPROVAL OF THE OWNER. THIS WORK SHALL NOT BE PAID FOR DIRECTLY BUT CONSIDERED INCIDENTAL TO THE VARIOUS BID ITEMS.
10. THE CONTRACTOR SHALL BE RESPONSIBLE FOR CONTROLLING EROSION AND SEDIMENTATION AT THE WORK SITE. THE CONTRACTOR SHALL INSTALL AND MAINTAIN EROSION AND SEDIMENTATION CONTROL DEVICES AND STRUCTURES AT THE WORK SITE AS SHOWN ON THE PLANS AND ACCORDING TO THE TENNESSEE EROSION AND SEDIMENT CONTROL HANDBOOK, LATEST EDITION.
11. THE CONTRACTOR SHALL DISPOSE OF ALL EXCAVATED AND WASTE MATERIAL AT AN APPROVED OFF-SITE LOCATION.
12. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ALL DAMAGE OUTSIDE THE CONSTRUCTION LIMITS DUE TO CONSTRUCTION ACTIVITIES BY THE CONTRACTOR OR SUBCONTRACTOR.
13. UNLESS NOTED OTHERWISE, ALL BORROW MATERIAL INSTALLED SHALL BE COMPACTED TO 95% STANDARD PROCTOR (MIN.).
14. DEWATERING SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR.
15. EXISTING GRADING AND DRAINAGE ELEVATIONS OUTSIDE THE LIMITS OF CONSTRUCTION SHALL BE MAINTAINED AFTER CONSTRUCTION UNLESS OTHERWISE SHOWN ON PLANS.
16. ALL PROPOSED GRADING SHOWN ON THE PLANS SHALL BE CONSIDERED UNCLASSIFIED.
17. THE CONTRACTOR SHALL REMOVE ALL ROCK ENCOUNTERED TO A DEPTH OF ONE FOOT BELOW DESIGN SUBGRADE ELEVATIONS INDICATED ON THE PLANS. ROCK REMOVAL METHODS SHALL BE APPROVED BY THE OWNER OR ENGINEER PRIOR TO COMMENCING.
18. THE CONTRACTOR SHALL BE RESPONSIBLE FOR FOLLOWING ALL APPLICABLE OSHA REGULATIONS.
19. THE CONTRACTOR SHALL BE SOLELY RESPONSIBLE FOR WORK ZONE SAFETY AND SECURITY.
20. THE CONTRACTOR SHALL BE RESPONSIBLE FOR MAINTAINING A CLEAN JOBSITE FREE FROM LITTER AND REFUSE.
21. ALL DISTURBED CONCRETE AND ASPHALT SURFACES SHALL BE SAWCUT AND REPAIRED IN AS GOOD OR BETTER CONDITION AS PRIOR TO BEGINNING CONSTRUCTION ACTIVITY.
22. THE CONTRACTOR SHALL VERIFY THE LOCATION(S) AND ELEVATION(S) OF ALL TEMPORARY BENCHMARKS WITH THE OWNER AND/OR ENGINEER PRIOR TO BEGINNING THE WORK.
23. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE DAMAGE OR LOSS OF ANY REFERENCE POINTS, MONUMENTS, HUBS, BENCHMARKS, OR PROPERTY PINS DURING THE CONSTRUCTION OF THE WORK AND SHALL BEAR THE COST OF REINSTALLATION IF DAMAGED OR DESTROYED.
24. THE CONTRACTOR SHALL BE RESPONSIBLE FOR DOCUMENTING AND MAINTAINING RECORD DRAWING INFORMATION. RECORD DRAWING DATA SHALL, UNLESS OTHERWISE INDICATED AND AT A MINIMUM, BE CLEARLY MARKED IN BLUE OR RED INK ON THE PLANS. UPON THE COMPLETION OF CONSTRUCTION ACTIVITY, THE CONTRACTOR SHALL SUBMIT A COPY OF THE RECORD DRAWINGS TO THE OWNER OR ENGINEER.
25. NO CHANGES SHALL BE MADE TO ANY CONSTRUCTION DOCUMENTS APPLICABLE TO THE WORK WITHOUT NOTIFICATION TO AND CONSENT FROM THE ENGINEER.
26. ALL PREVIOUS SETS, ISSUED PLANS, REVISIONS, OR OTHER VERSIONS OF THESE PLANS ARE VOID AND SHALL NOT BE USED FOR CONSTRUCTION. ANY PLAN SETS OR SHEETS NOT STAMPED, SIGNED, AND DATED BY A LICENSED PROFESSIONAL SHALL BE CONSIDERED PRELIMINARY, FOR REFERENCE ONLY, AND SHALL NOT BE USED FOR CONSTRUCTION.
27. THE CONTRACTOR SHALL REFERENCE ALL ARCHITECTURAL, MECHANICAL, ELECTRICAL, PLUMBING, STRUCTURAL OR OTHER DRAWINGS APPLICABLE TO THE PROJECT. THESE PLANS ARE INTENDED TO BE A PORTION OF THE COMPREHENSIVE CONSTRUCTION DOCUMENTS FOR THE PROJECT. IT IS THE CONTRACTOR'S RESPONSIBILITY TO COORDINATE ALL CONSTRUCTION ACTIVITY WITH ALL APPLICABLE CONSTRUCTION DOCUMENTS. THE CONTRACTOR SHALL NOTIFY THE ENGINEER IMMEDIATELY UPON DISCOVERY OF ANY CONFLICT WITHIN OR BETWEEN ANY ISSUED CONSTRUCTION DOCUMENTS.
28. THE CONTRACTOR SHALL ENSURE ALL CONSTRUCTION ACTIVITY IS CONSISTENT WITH THE RECOMMENDATIONS OF THE GEOTECHNICAL REPORT (BY OTHERS). THE CONTRACTOR SHALL NOTIFY THE ENGINEER IMMEDIATELY UPON DISCOVERY OF ANY DISPARITY OR CONFLICT ENCOUNTERED.

SOMERS CONSULTING SERVICES, LLC.
ANDY SOMERS, P.E.
(256) 603-4888
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HUNTSVILLE, AL 35801

LINEAGE METALS
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2737 COUCHVILLE PIKE, SUITE 300
NASHVILLE, TN 37217

DRAWN:	CHECKED:
AS	AS

SHEET NAME:
GENERAL NOTES

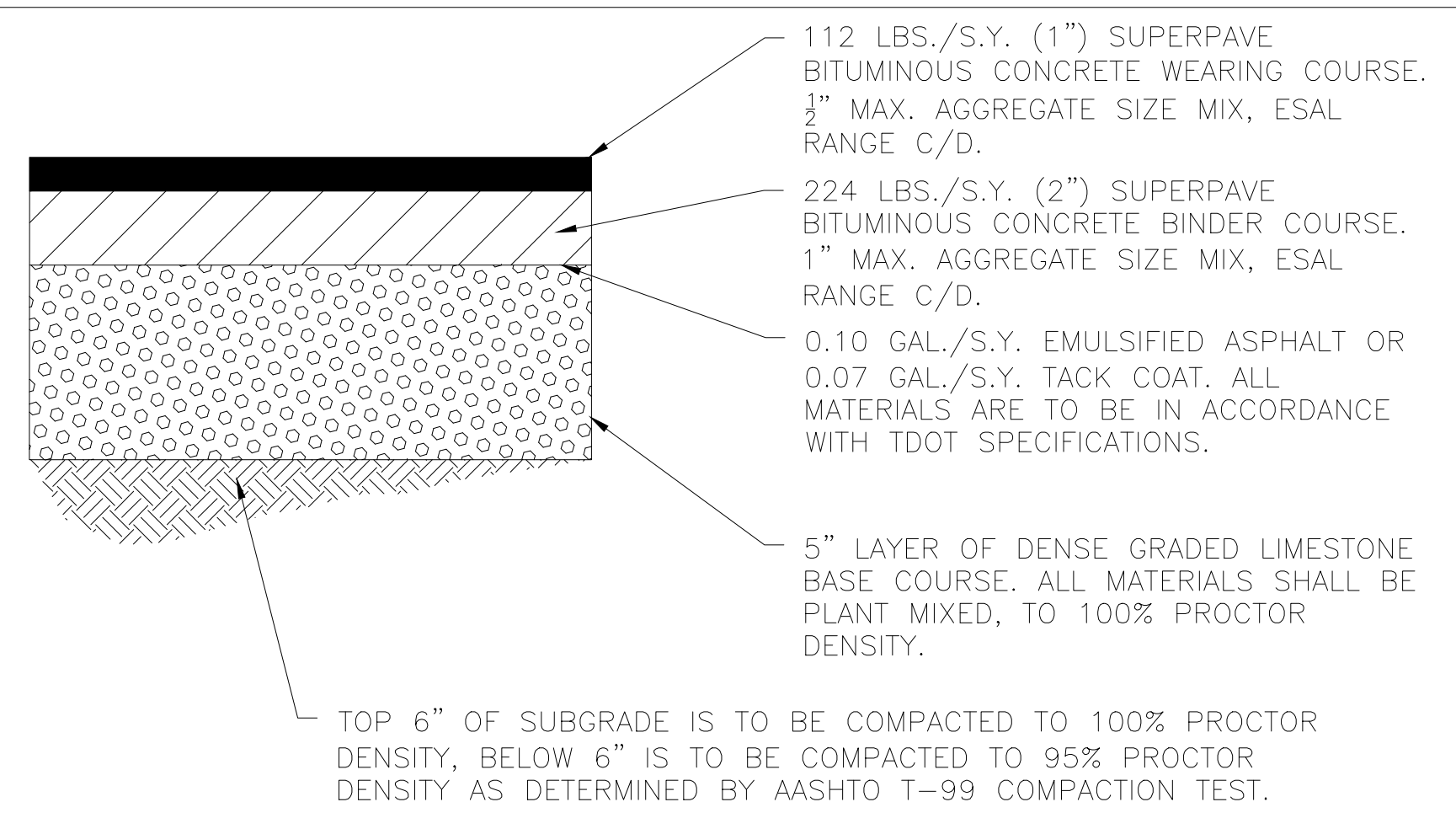
SCALE:	SHEET NO:
AS NOTED	4 OF 12

REVISIONS		
NO.	DESCRIPTION	DATE

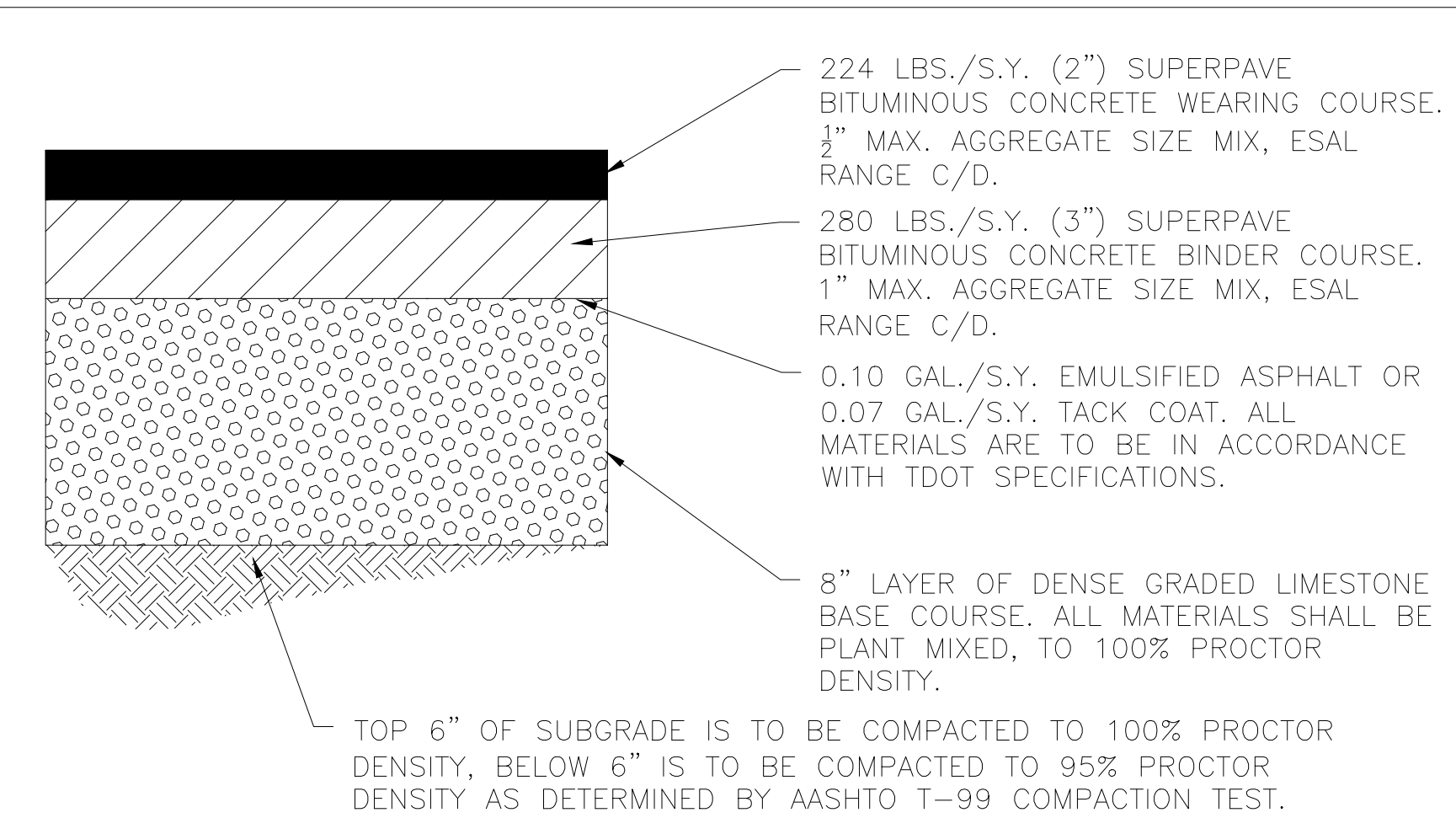


LINEAGE METALS -
CHERRY GLEN INDUSTRIAL PARK
 JOE FRANK PORTER ROAD
 MT. PLEASANT, TN 38474

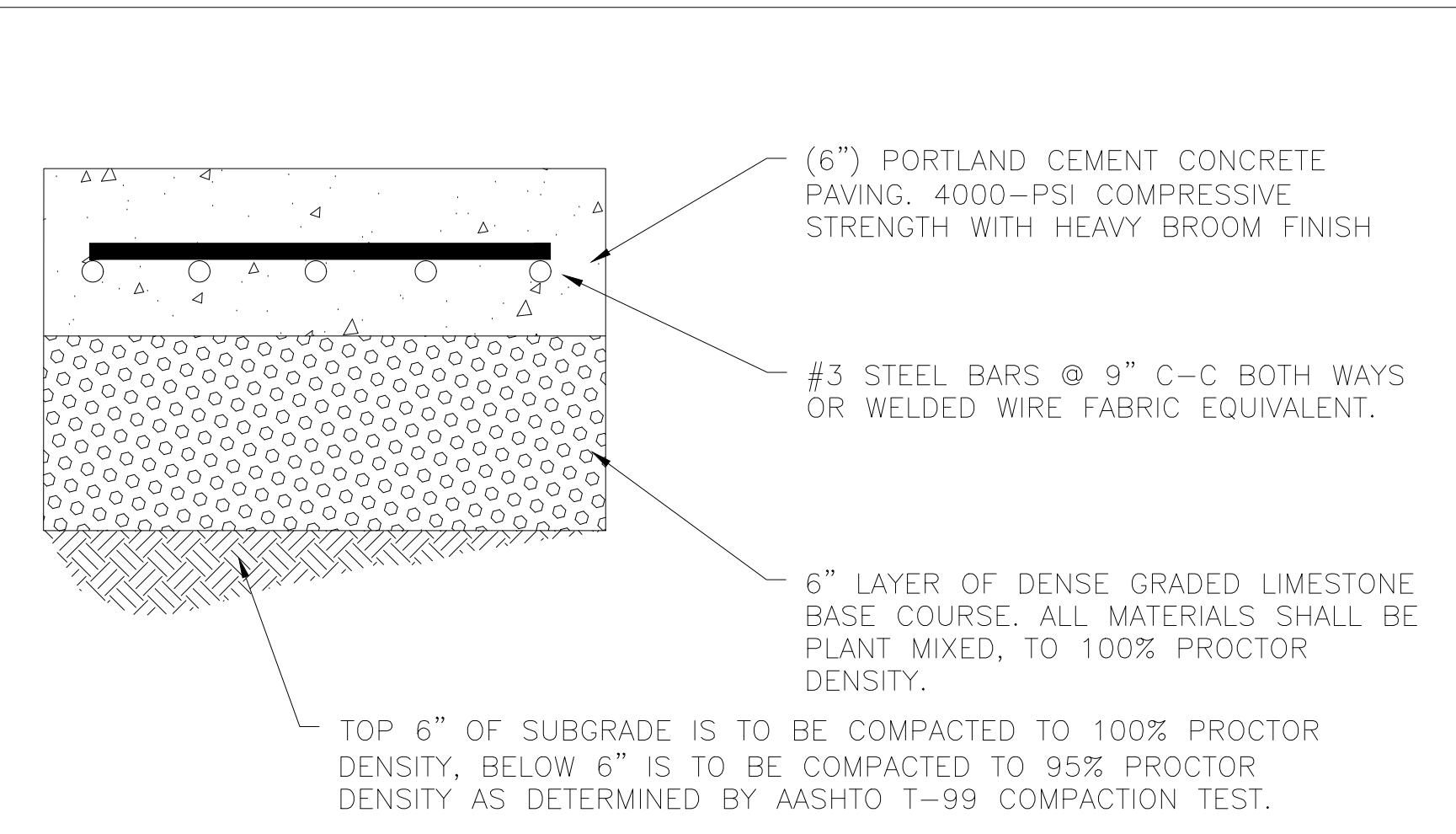
MAY 28, 2026



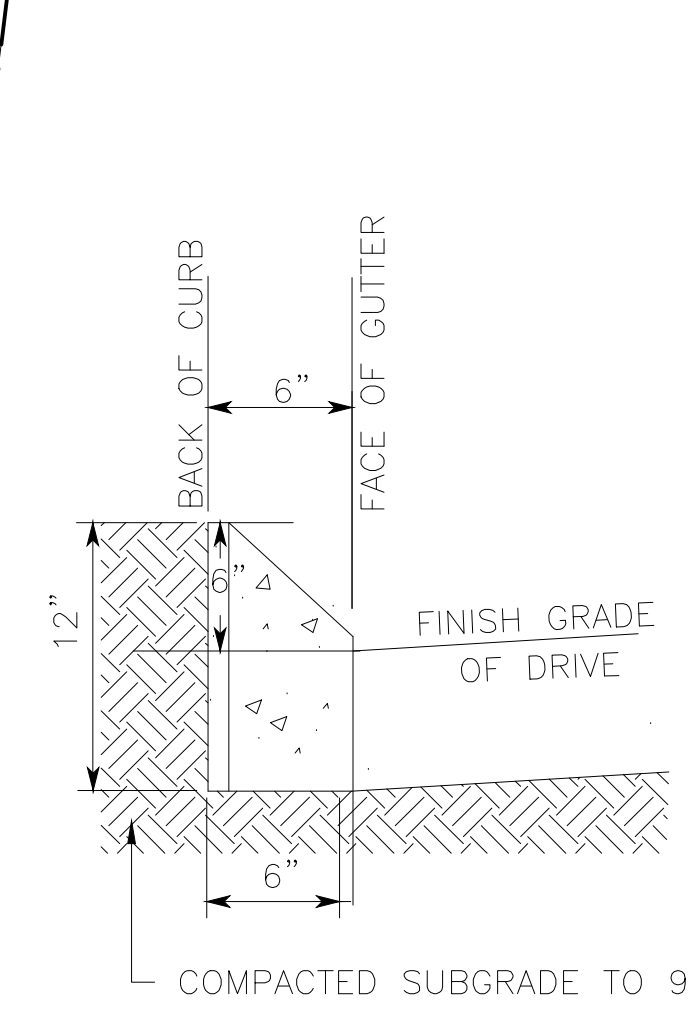
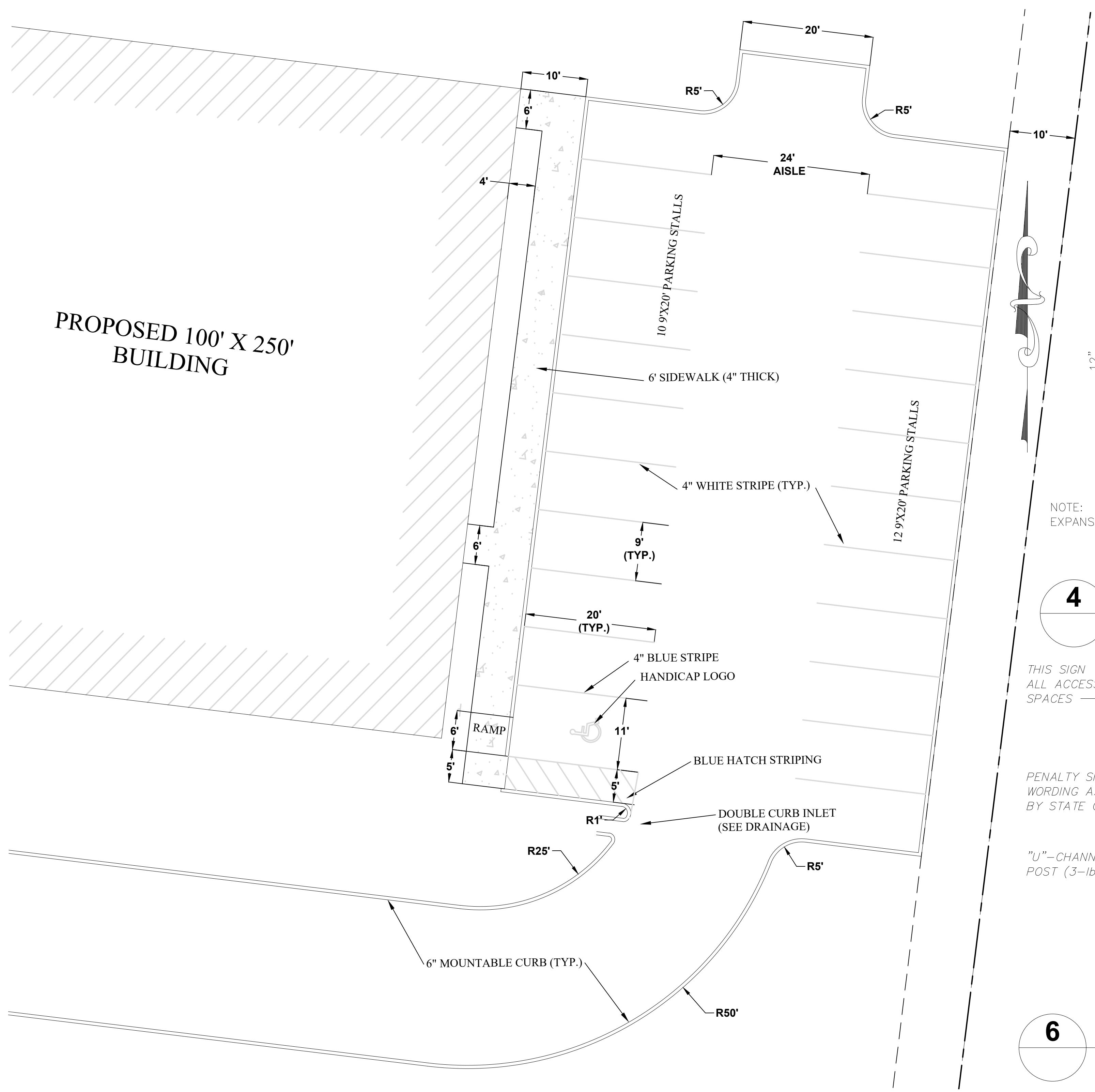
1 STANDARD ASPHALT PAVING SECTION
 N.T.S.



2 HEAVY DUTY ASPHALT PAVING SECTION
 N.T.S.

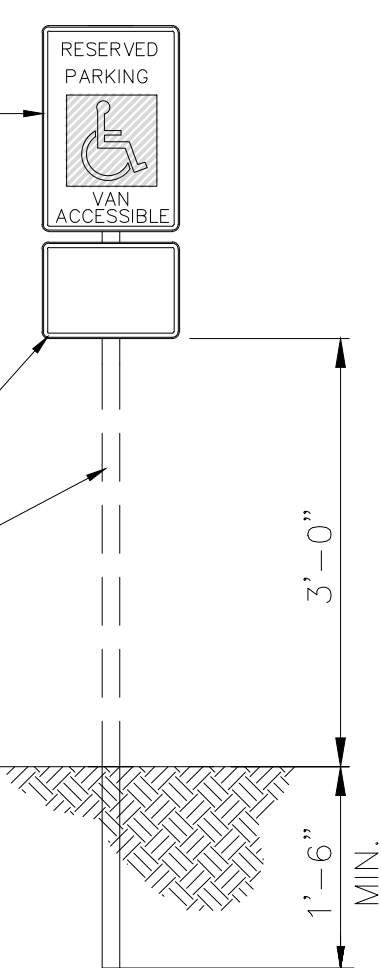


3 CONCRETE APRON PAVING SECTION
 N.T.S.

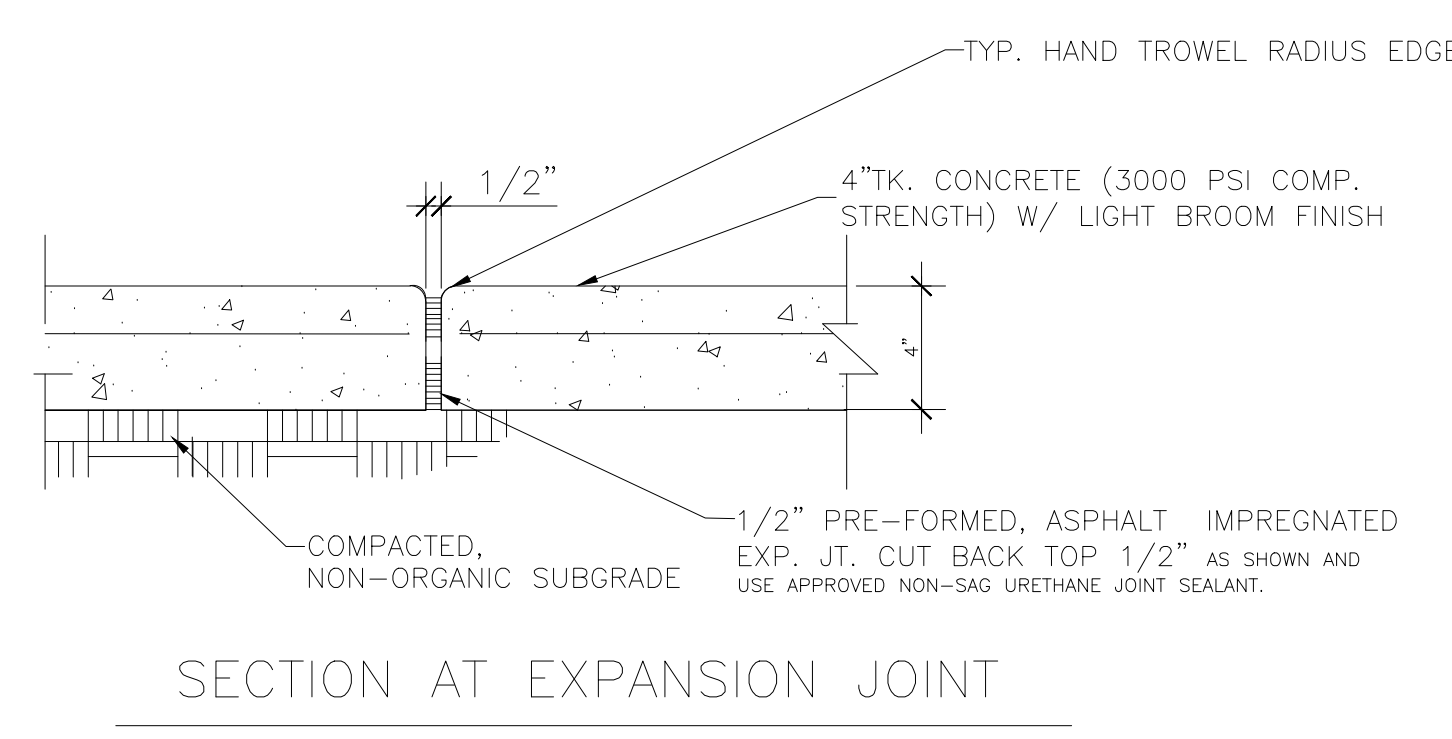
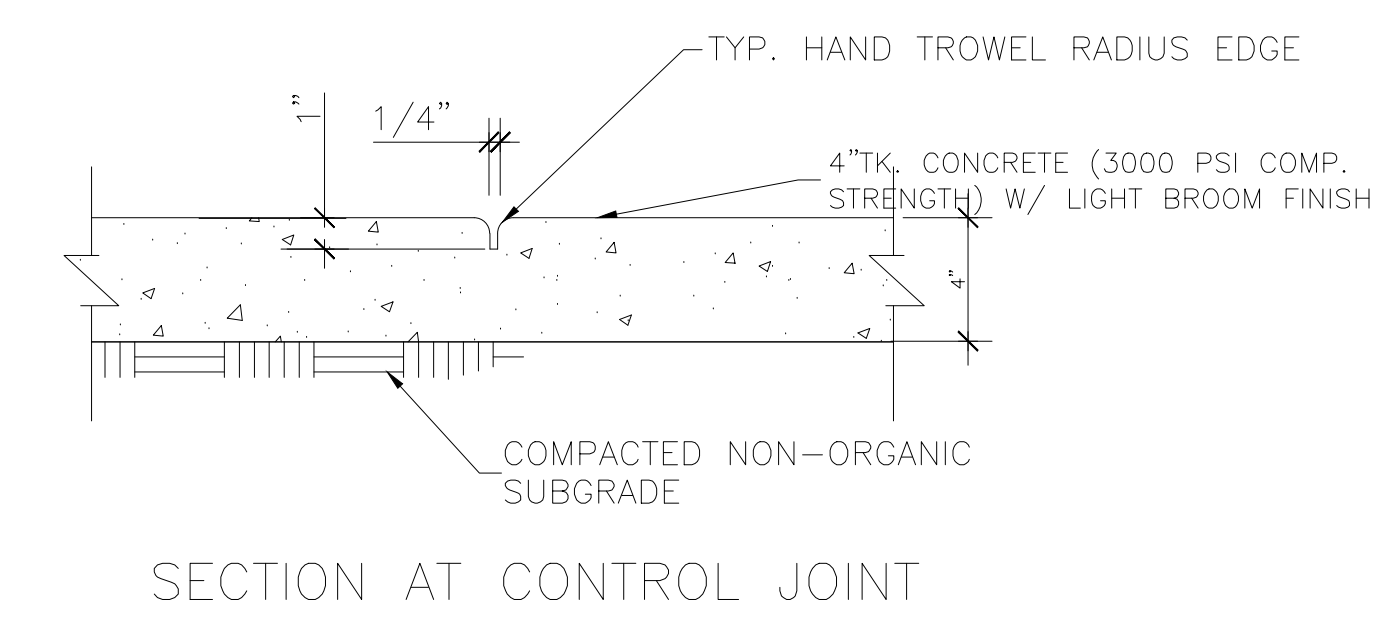


4 6" MOUNTABLE CURB
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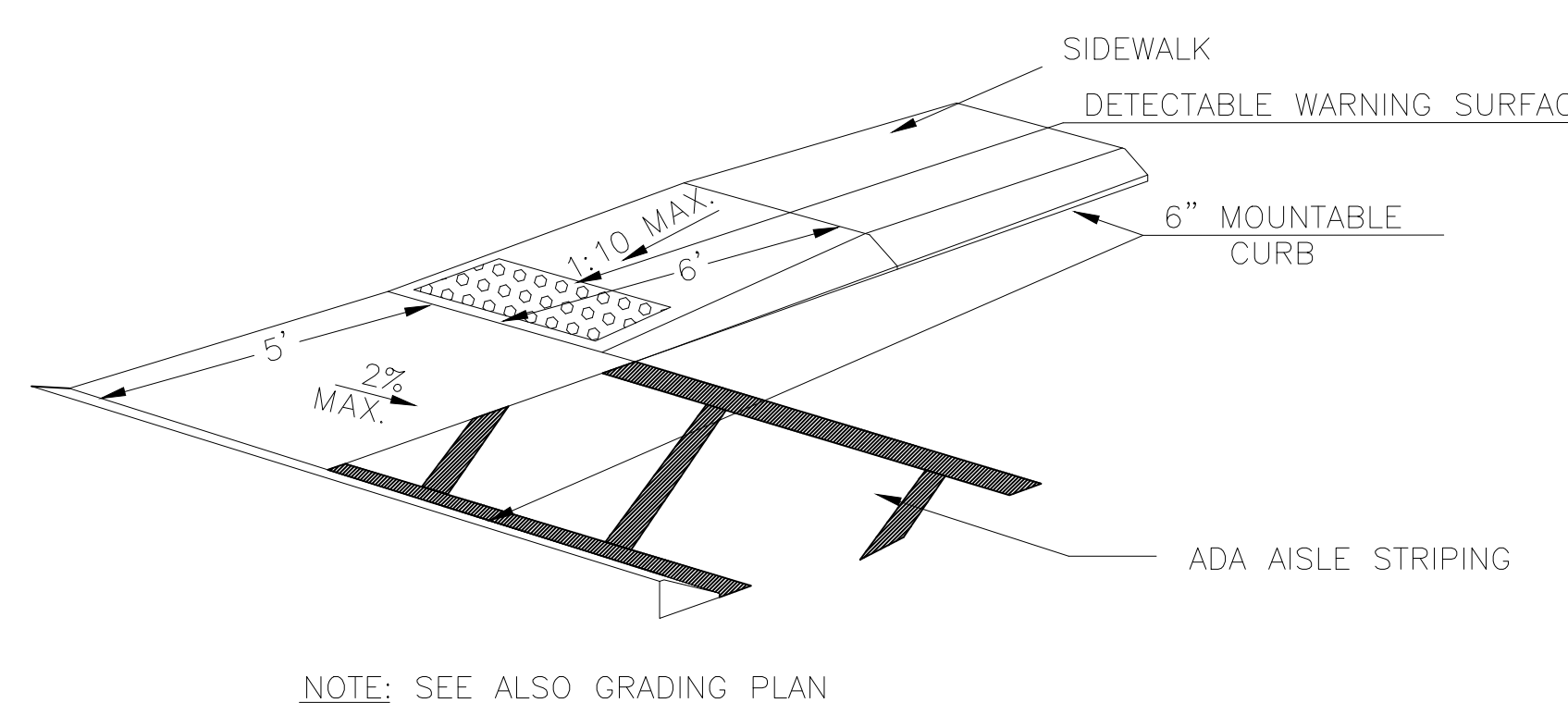
THIS SIGN TYPICAL AT ALL ACCESSIBLE PARKING SPACES



6 ADA PARKING SIGN
 N.T.S.



5 SIDEWALK
 N.T.S.



7 ADA SIDEWALK RAMP
 N.T.S.

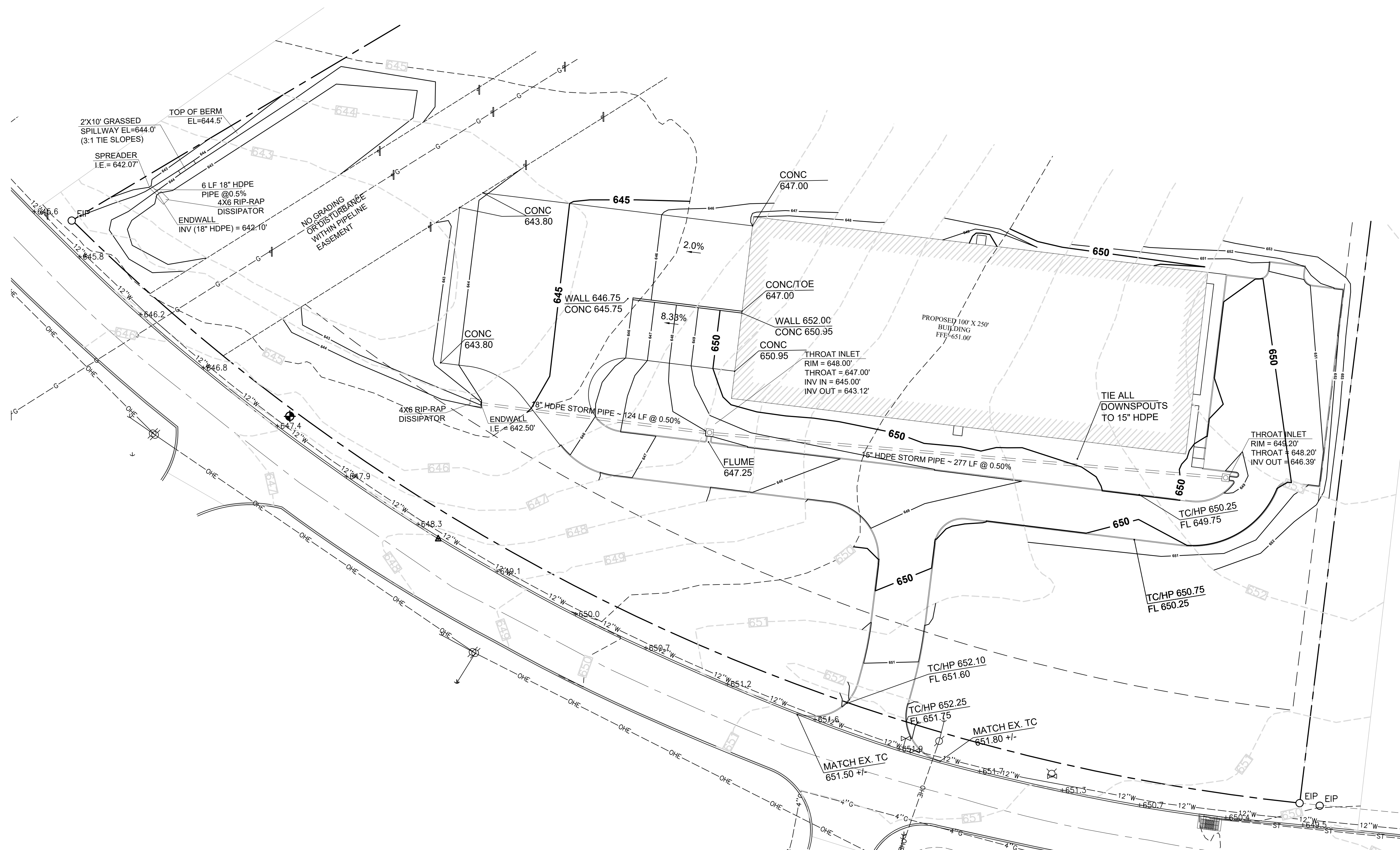
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 ANDY SOMERS, P.E.
 (256) 603-4888
 2206 SHADES CREST RD
 HUNTSVILLE, AL 35801

LINEAGE METALS
 (925) 330-6747
 2737 COUCHVILLE PIKE, SUITE 300
 NASHVILLE, TN 37217

DRAWN: AS
CHECKED: AS

SHEET NAME:
 SITE LAYOUT (DETAIL)

SCALE: 1"=10'
SHEET NO: 6 OF 12



LINEAGE METALS -
CHERRY GLEN INDUSTRIAL PARK
 JOE FRANK PORTER ROAD
 MT. PLEASANT, TN 38474

MAY 28, 2026

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 2737 COUCHVILLE PIKE, SUITE 300
 NASHVILLE, TN 37217

DRAWN: AS	CHECKED: AS
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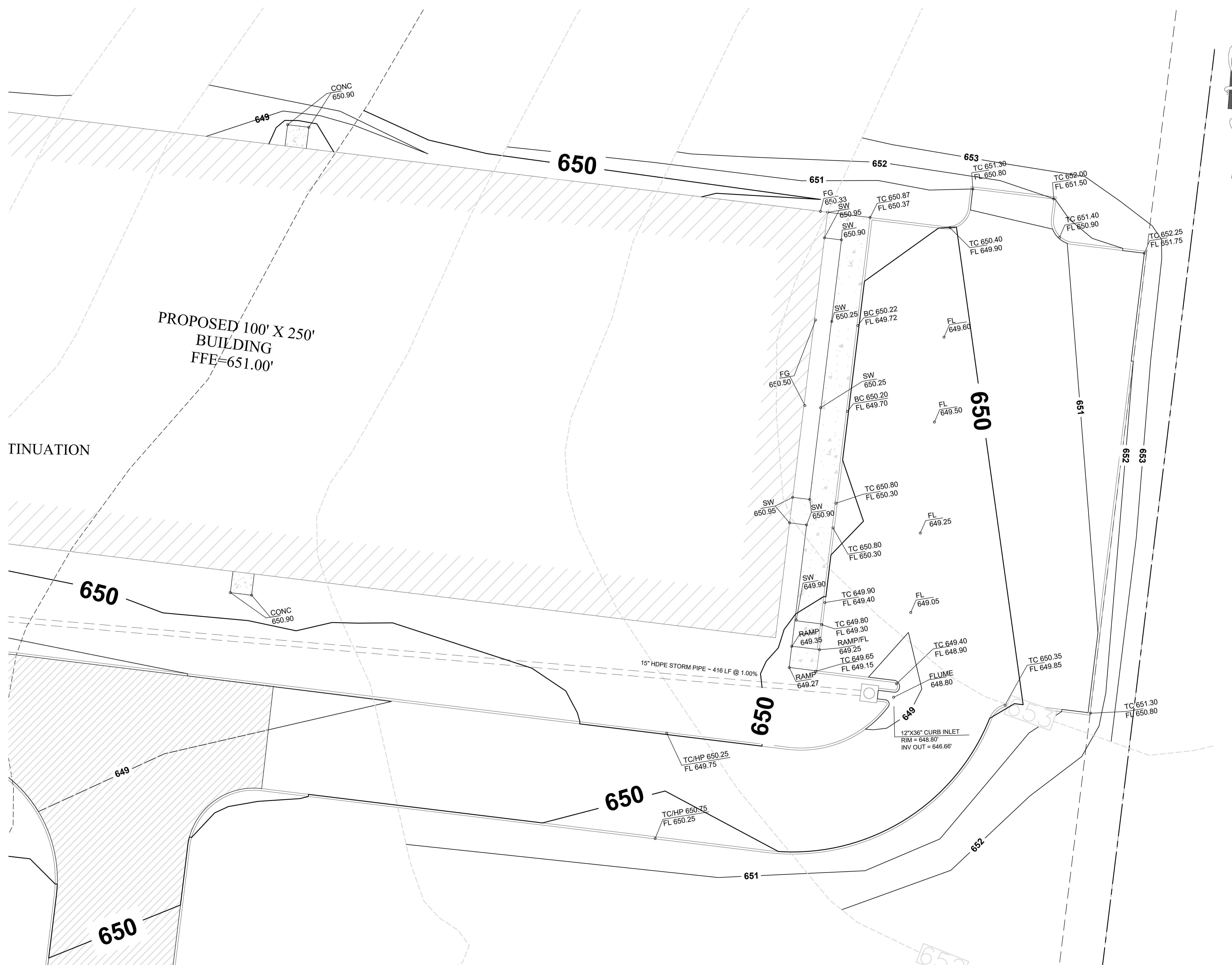
SHEET NAME:
 GRADING AND DRAINAGE
 PLAN (OVERALL)

SCALE: 1"=30'	SHEET NO: 7 OF 12
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LINEAGE METALS - CHERRY GLEN INDUSTRIAL PARK

JOE FRANK PORTER ROAD
MT. PLEASANT, TN 38474

MAY 28, 2026



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DRAWN: AS	CHECKED: AS
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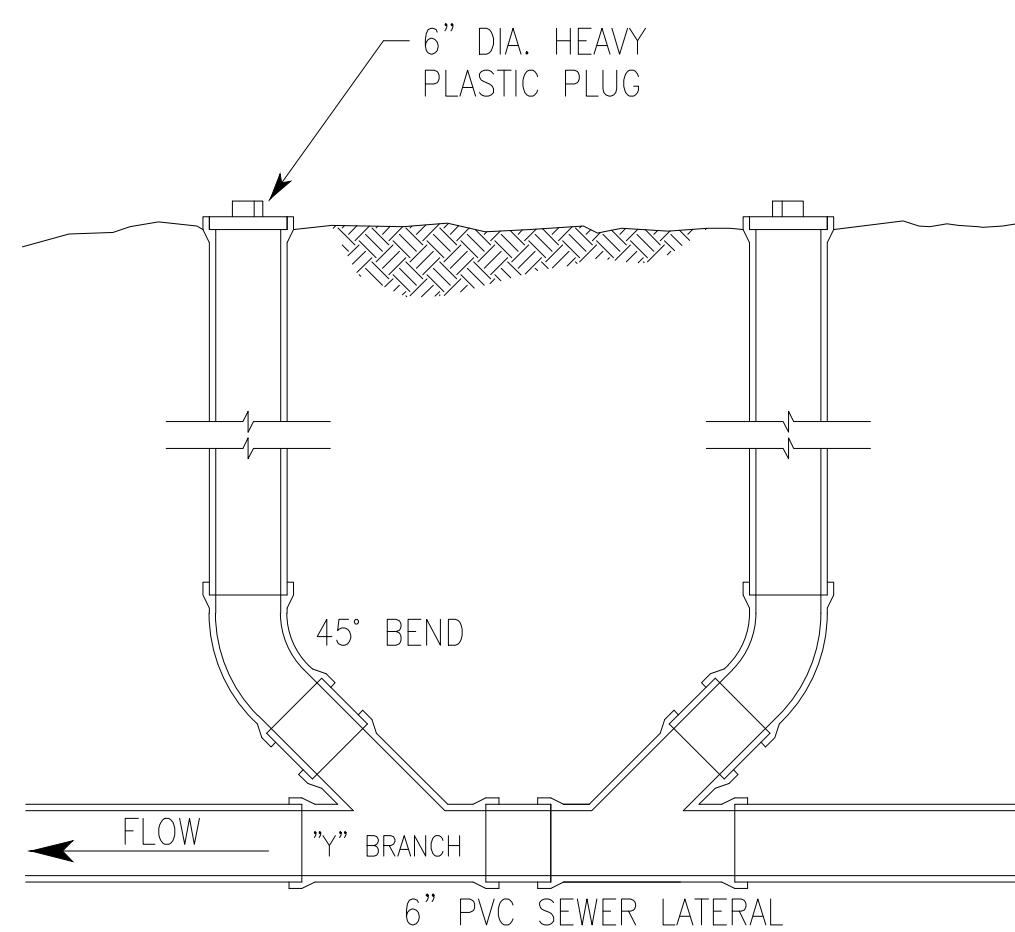
SHEET NAME:
 GRADING AND DRAINAGE
 (DETAIL)

SCALE: 1"=30'	SHEET NO.: 8 OF 12
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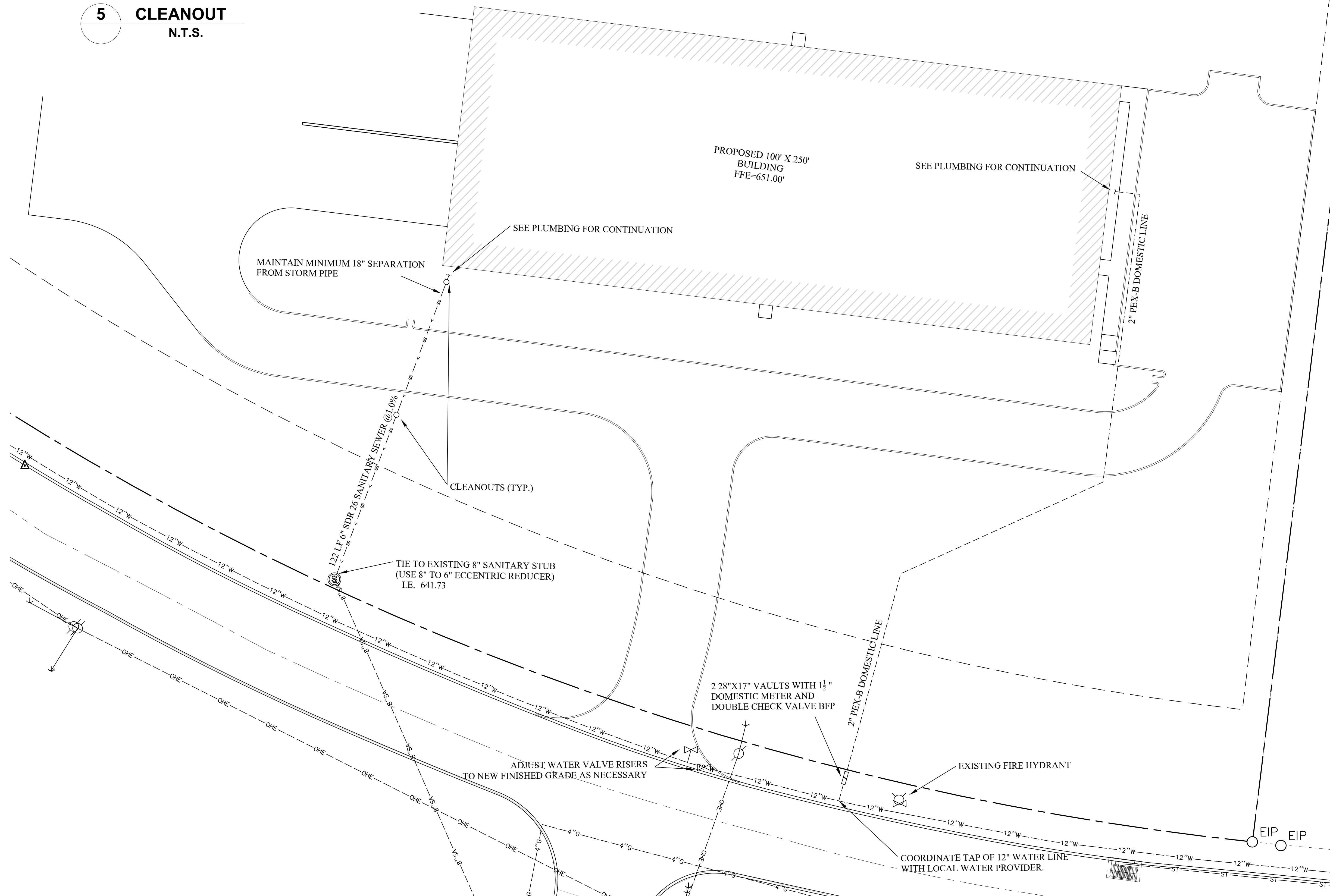
LINEAGE METALS - CHERRY GLEN INDUSTRIAL PARK

JOE FRANK PORTER ROAD
MT. PLEASANT, TN 38474

MAY 28, 2026



5 CLEANOUT
N.T.S.



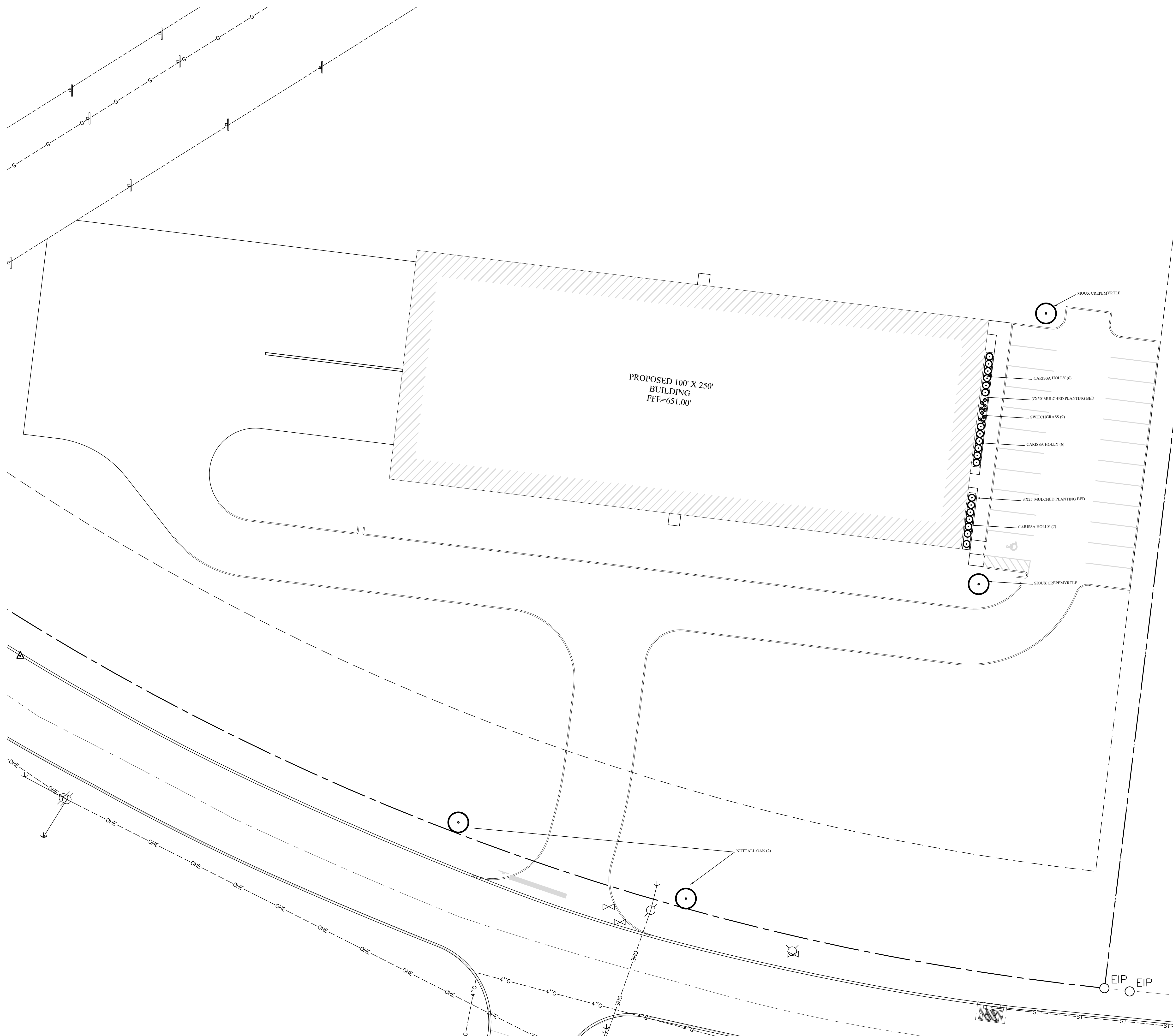
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 2737 COUCHVILLE PIKE, SUITE 300
 NASHVILLE, TN 37217

DRAWN: AS	CHECKED: AS
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SHEET NAME:
UTILITY PLAN

SCALE: 1"=20'	SHEET NO.: 9 OF 12
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**LINEAGE METALS -
CHERRY GLEN INDUSTRIAL PARK**
JOE FRANK PORTER ROAD
MT. PLEASANT, TN 38474

MAY 28, 2026

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HUNTSVILLE, AL 35801

LINEAGE METALS
(925) 330-6747
2737 COUCHVILLE PIKE, SUITE 300
NASHVILLE, TN 37217

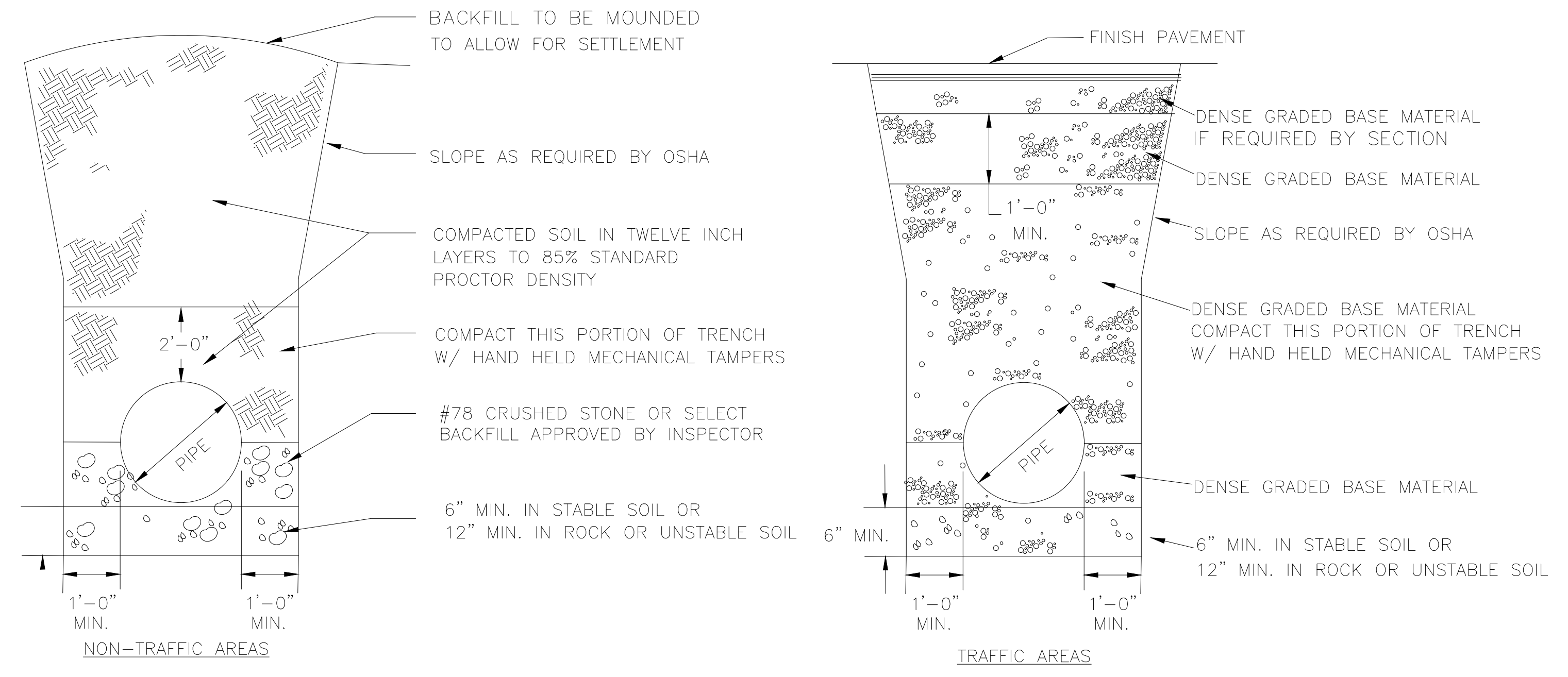
DRAWN: AS	CHECKED: AS
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SHEET NAME:
LANDSCAPE PLAN

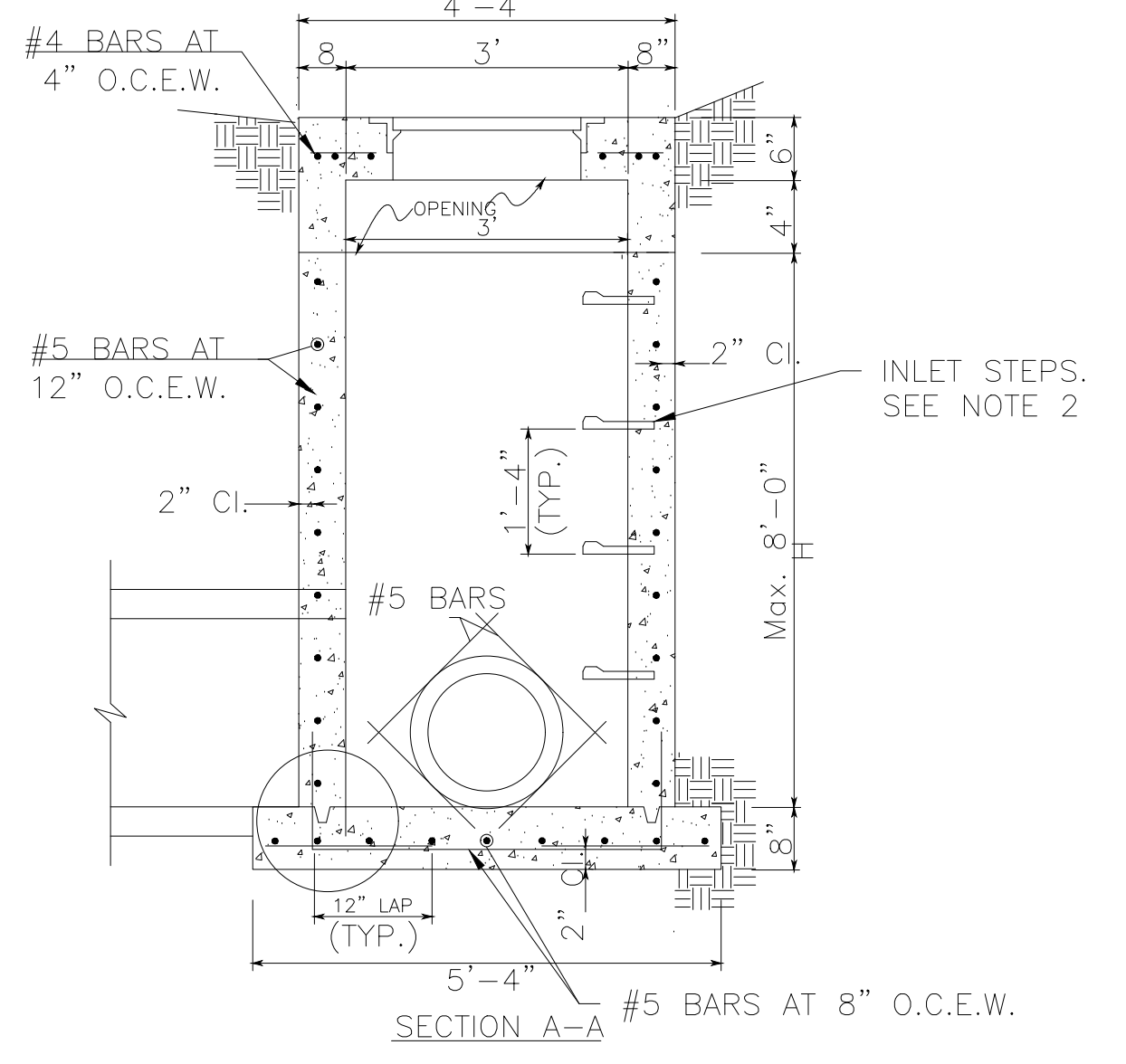
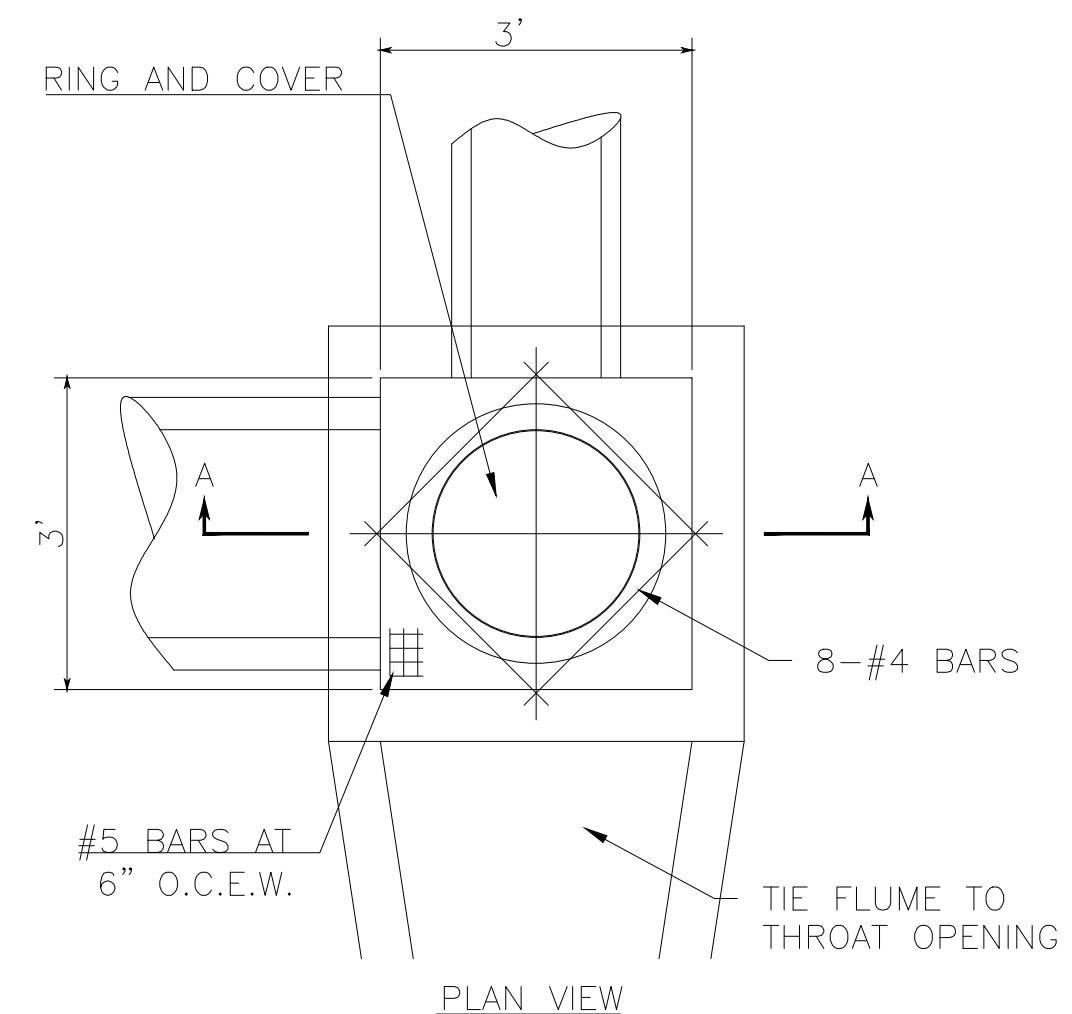
SCALE: 1"=20'	SHEET NO: 11 OF 12
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**LINEAGE METALS -
CHERRY GLEN INDUSTRIAL PARK**
JOE FRANK PORTER ROAD
MT. PLEASANT, TN 38474

MAY 28, 2026

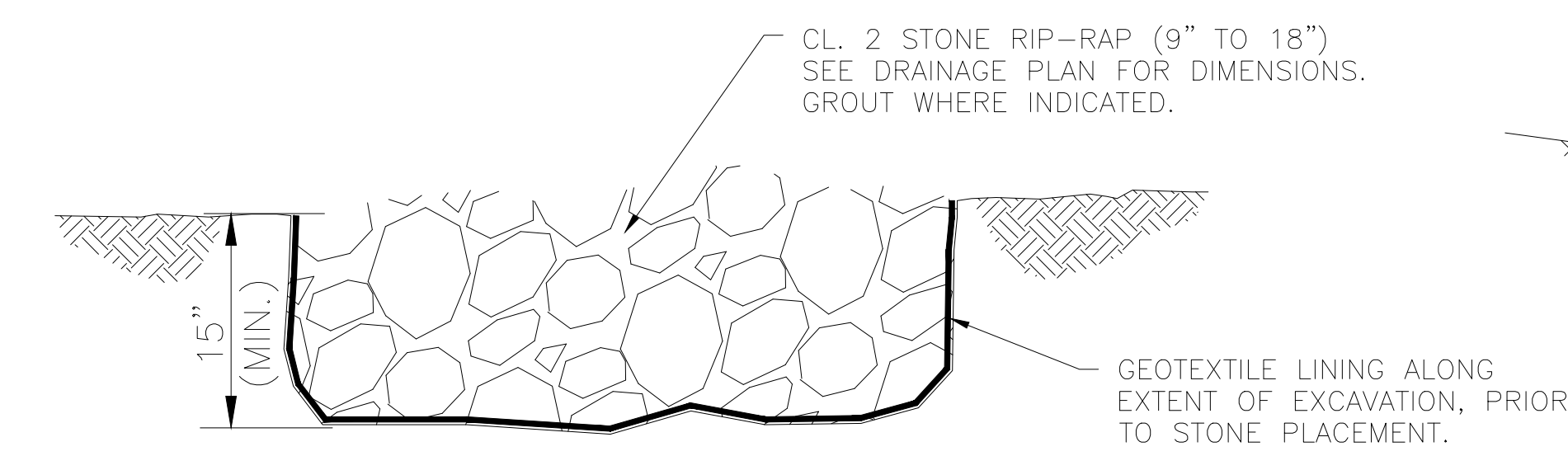


1 STORM SEWER PIPE BEDDING
N.T.S.

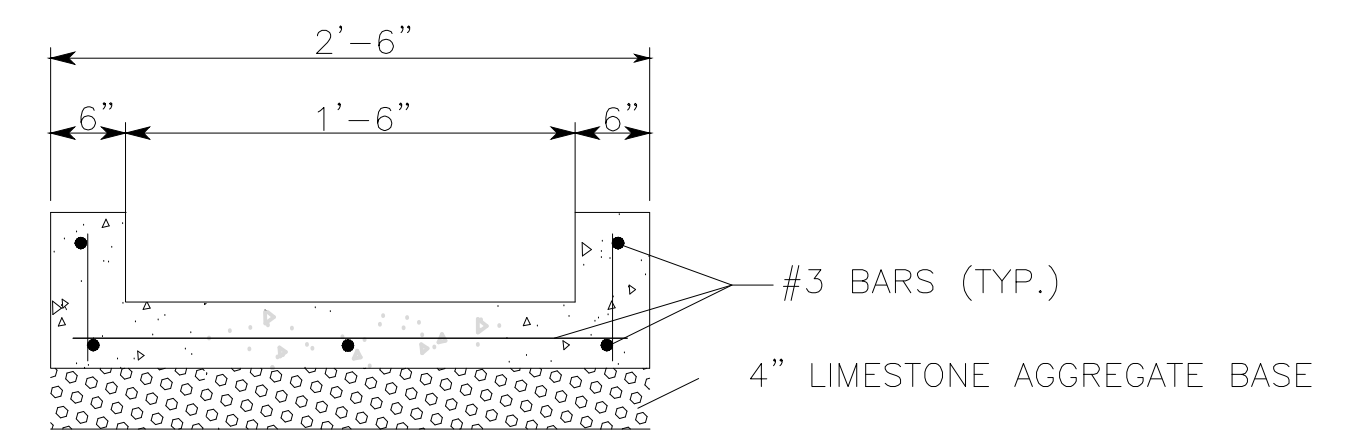


- NOTES:
- DIMENSION "A" IS DETERMINED BY THE LARGEST DIAMETER PIPE ENTERING THE OPEN THROAT INLET.
 - STEPS ARE REQUIRED ON ALL INLETS WHEN DIMENSION FROM BOTTOM SLAB FLOW LINE TO TOP OF TOP SLAB IS GRATER THAN 4'-0".
 - ALL CONCRETE SHALL BE CALSS "A" AND SHALL DEVELOP A MINIMUM COMPRESSIVE STRENGTH OF 3000 PSI IN 28 DAYS.
 - REINFORCING SHALL BE INTERMEDIATE GRADE DEFORMED BARS AND SHALL CONFORM TO THE REQUIREMENTS OF THE STANDARD SPECIFICATIONS FOR BILLET STEEL CONCRETE REINFORCEMENT BARS, ASTM A-15 AND DEFORMATIONS CONFORMING TO ASTM A-305.
 - PROVIDE CONCRETE APRON AT THROAT OPENINGS.

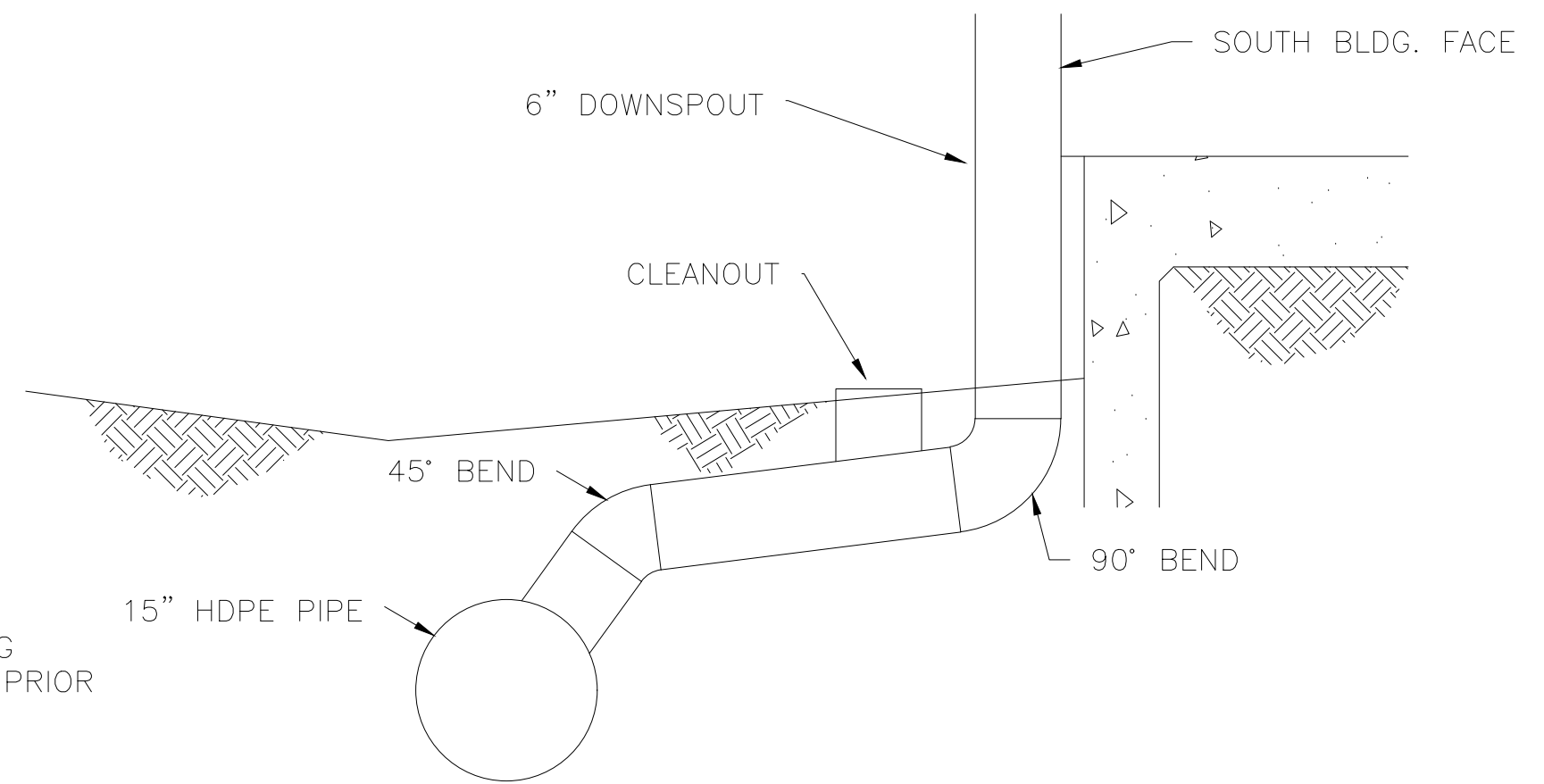
3 THROAT INLET
N.T.S.



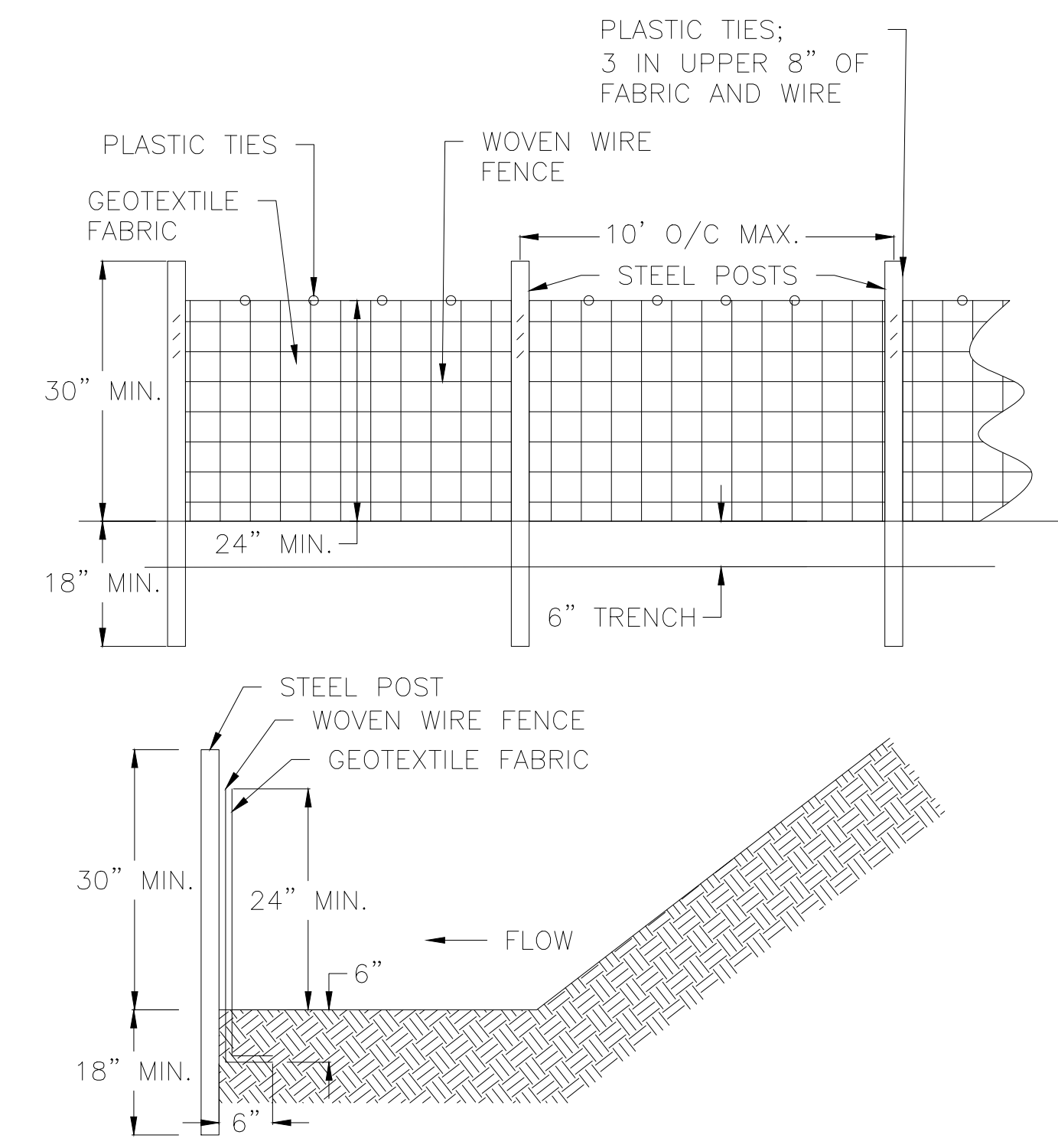
5 STONE RIP-RAP DISSIPATOR
N.T.S.



4 CONCRETE FLUME
N.T.S.



6 DOWNSPOUT CONNECTIONS
N.T.S.



2 TYPE 'A' SILT FENCE
N.T.S.

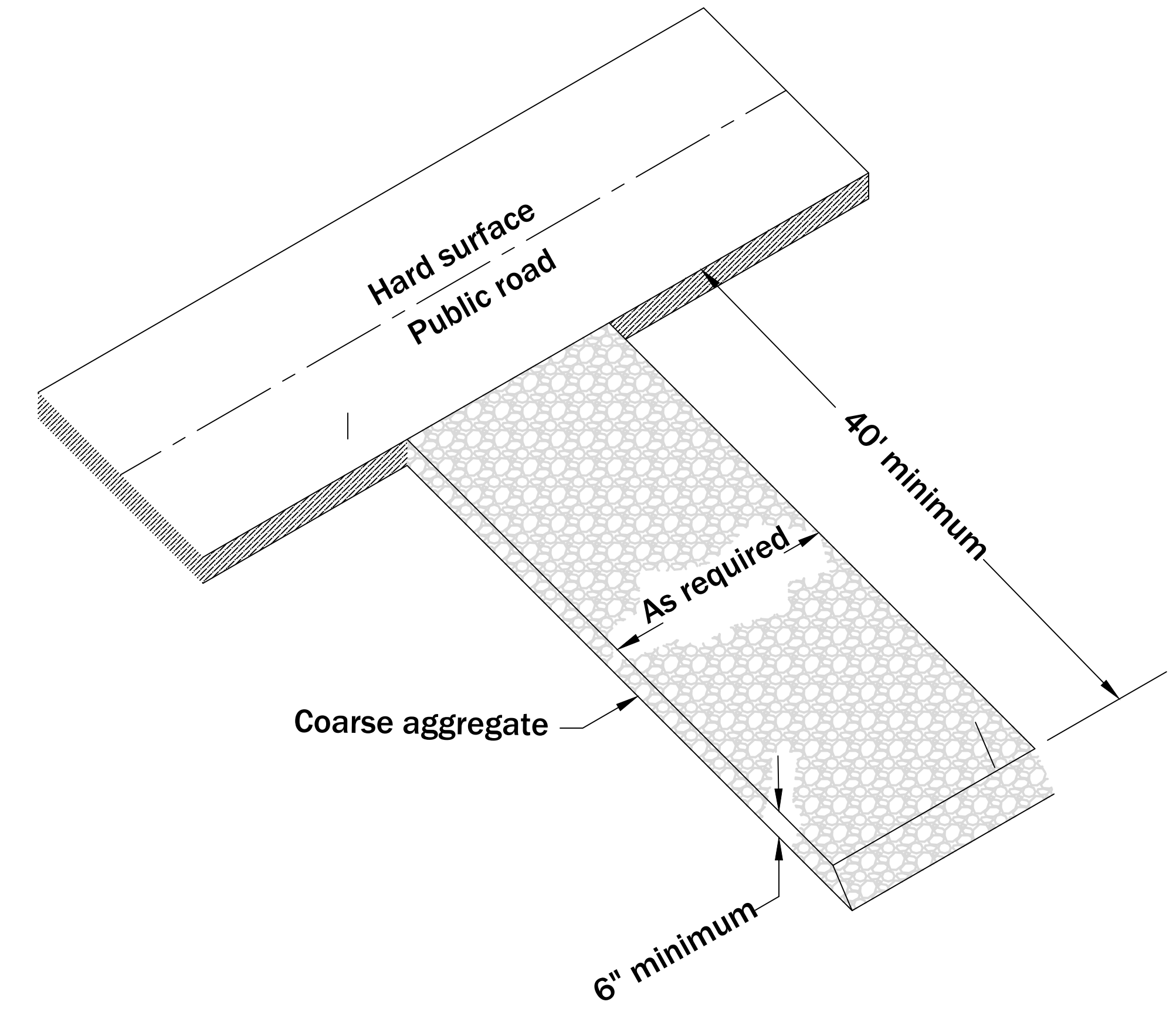
MAINTENANCE
SEDIMENT SHALL BE REMOVED ONCE IT HAS ACCUMULATED TO ONE-HALF THE ORIGINAL HEIGHT OF THE BARRIER. FILTER FABRIC SHALL BE REPLACED WHENEVER IT HAS DETERIORATED TO SUCH AN EXTENT THAT THE EFFECTIVENESS OF THE FABRIC IS REDUCED (APPROXIMATELY SIX MONTHS). TEMPORARY SEDIMENT BARRIERS SHALL REMAIN IN PLACE UNTIL DISTURBED AREAS HAVE BEEN PERMANENTLY STABILIZED. ALL SEDIMENT ACCUMULATED AT THE BARRIER SHALL BE REMOVED AND PROPERLY DISPOSED OF BEFORE THE BARRIER IS REMOVED.

SILT FENCE
THE MANUFACTURER SHALL HAVE EITHER AN APPROVED COLOR MARK YARN IN THE FABRIC OR LABEL THE FABRICATED SILT FENCE WITH BOTH THE MANUFACTURER AND FABRIC NAME EVERY 100 FEET.

THE TEMPORARY SILT FENCE SHALL BE INSTALLED ACCORDING TO THIS SPECIFICATION, AS SHOWN ON THE PLANS OR AS DIRECTED BY THE ENGINEER. FOR INSTALLATION OF THE FABRIC, SEE DETAIL.

USE THREE PLASTIC TIES PER POST (50 LB. TEST STRENGTH), LOCATED IN THE TOP 8" OF THE FABRIC, WITH EACH TIE HUNG ON A POST NIPPLE, PLACED DIAGONALLY TO ATTACH AS MANY VERTICAL AND HORIZONTAL THREADS OF THE GEOTEXTILE FABRIC AND WOVEN WIRE FENCE BACKING AS POSSIBLE. THE FABRIC SHALL ALSO BE FASTENED SECURELY TO THE WIRE BACKING WITH PLASTIC TIES SPACED EVERY 24 INCHES ALONG THE TOP.

POST INSTALLATION SHALL START AT THE CENTER OF THE LOW POINT (IF APPLICABLE) WITH THE REMAINING POSTS SPACED MINIMUM 4 FEET, MAXIMUM 10 FEET APART FOR TYPE "A" SILT FENCE. ONLY STEEL POSTS SHALL BE USED WITH TYPE "A" SILT FENCE. POSTS SHALL BE 4' IN LENGTH, 1.3 LBS/FT.



7 CONSTRUCTION ENTRANCE
N.T.S.

REVISIONS		
NO.	DESCRIPTION	DATE

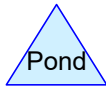
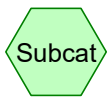
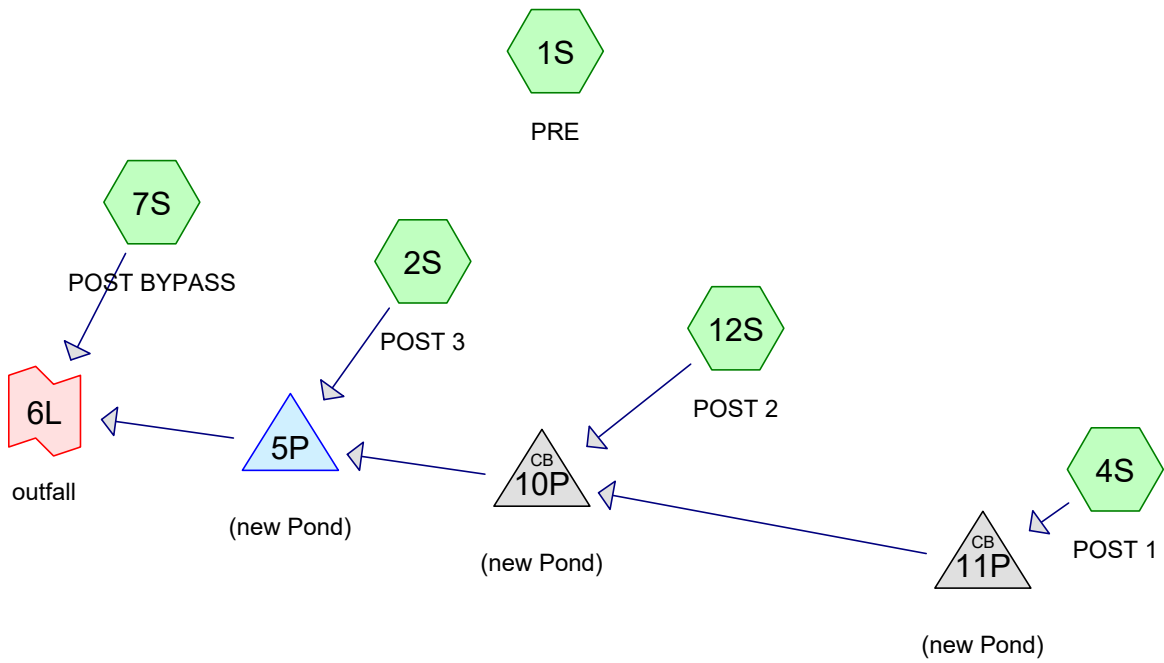
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LINEAGE METALS
(925) 330-6747
2737 COUCHVILLE PIKE, SUITE 300
NASHVILLE, TN 37217

DRAWN: AS
CHECKED: AS

SHEET NAME:
ADDITIONAL DETAILS

SCALE: NONE
SHEET NO.: 12 OF 12



Routing Diagram for lineage metals
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lineage metals

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Page 2

Rainfall Events Listing

Event#	Event Name	Storm Type	Curve	Mode	Duration (hours)	B/B	Depth (inches)	AMC
1	2-yr	Type II 24-hr		Default	24.00	1	3.89	2
2	10-yr	Type II 24-hr		Default	24.00	1	5.41	2
3	25-yr	Type II 24-hr		Default	24.00	1	6.33	2
4	100-yr	Type II 24-hr		Default	24.00	1	7.82	2

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Page 3

Area Listing (all nodes)

Area (acres)	CN	Description (subcatchment-numbers)
1.416	98	(2S, 4S, 12S)
19.677	61	Pasture/grassland/range, Good, HSG B (1S, 2S, 4S, 7S, 12S)
21.093	63	TOTAL AREA

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Ground Covers (all nodes)

HSG-A (acres)	HSG-B (acres)	HSG-C (acres)	HSG-D (acres)	Other (acres)	Total (acres)	Ground Cover	Subcatchment Numbers
0.000	0.000	0.000	0.000	1.416	1.416		2S , 4S , 12 S
0.000	19.677	0.000	0.000	0.000	19.677	Pasture/grassland/range, Good	1S , 2S , 4S , 7S , 12 S
0.000	19.677	0.000	0.000	1.416	21.093	TOTAL AREA	

lineage metals

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Pipe Listing (all nodes)

Line#	Node Number	In-Invert (feet)	Out-Invert (feet)	Length (feet)	Slope (ft/ft)	n	Width (inches)	Diam/Height (inches)	Inside-Fill (inches)	Node Name
1	5P	642.10	642.07	6.0	0.0050	0.013	0.0	18.0	0.0	
2	10P	643.12	642.50	124.0	0.0050	0.013	0.0	18.0	0.0	
3	11P	646.39	645.00	277.0	0.0050	0.013	0.0	15.0	0.0	

lineage metals

Type II 24-hr 2-yr Rainfall=3.89"

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Page 6

Time span=0.00-24.00 hrs, dt=0.09 hrs, 268 points
 Runoff by SCS TR-20 method, UH=SCS, Weighted-CN
 Reach routing by Stor-Ind+Trans method - Pond routing by Stor-Ind method

Subcatchment1S: PRE Runoff Area=10.563 ac 0.00% Impervious Runoff Depth>0.75"
 Flow Length=1,000' Slope=0.0150 '/' Tc=31.8 min CN=61 Runoff=5.12 cfs 0.659 af

Subcatchment2S: POST 3 Runoff Area=7.989 ac 4.92% Impervious Runoff Depth>0.85"
 Flow Length=850' Slope=0.0150 '/' Tc=24.4 min CN=63 Runoff=5.55 cfs 0.567 af

Subcatchment4S: POST 1 Runoff Area=0.473 ac 48.63% Impervious Runoff Depth>1.87"
 Tc=5.0 min CN=79 Runoff=1.54 cfs 0.074 af

Subcatchment7S: POST BYPASS Runoff Area=0.720 ac 0.00% Impervious Runoff Depth>0.75"
 Flow Length=400' Tc=18.4 min CN=61 Runoff=0.50 cfs 0.045 af

Subcatchment12S: POST 2 Runoff Area=1.348 ac 58.83% Impervious Runoff Depth>2.19"
 Tc=5.0 min CN=83 Runoff=5.09 cfs 0.246 af

Pond 5P: (new Pond) Peak Elev=643.21' Storage=10,433 cf Inflow=7.99 cfs 0.887 af
 Outflow=3.09 cfs 0.870 af

Pond 10P: (new Pond) Peak Elev=644.68' Inflow=6.64 cfs 0.320 af
 18.0" Round Culvert n=0.013 L=124.0' S=0.0050 '/' Outflow=6.64 cfs 0.320 af

Pond 11P: (new Pond) Peak Elev=647.07' Inflow=1.54 cfs 0.074 af
 15.0" Round Culvert n=0.013 L=277.0' S=0.0050 '/' Outflow=1.54 cfs 0.074 af

Link 6L: outfall Inflow=3.26 cfs 0.915 af
 Primary=3.26 cfs 0.915 af

Total Runoff Area = 21.093 ac Runoff Volume = 1.591 af Average Runoff Depth = 0.90"
93.29% Pervious = 19.677 ac 6.71% Impervious = 1.416 ac

lineage metals

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Type II 24-hr 2-yr Rainfall=3.89"

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Page 7

Summary for Subcatchment 1S: PRE

Runoff = 5.12 cfs @ 12.33 hrs, Volume= 0.659 af, Depth> 0.75"

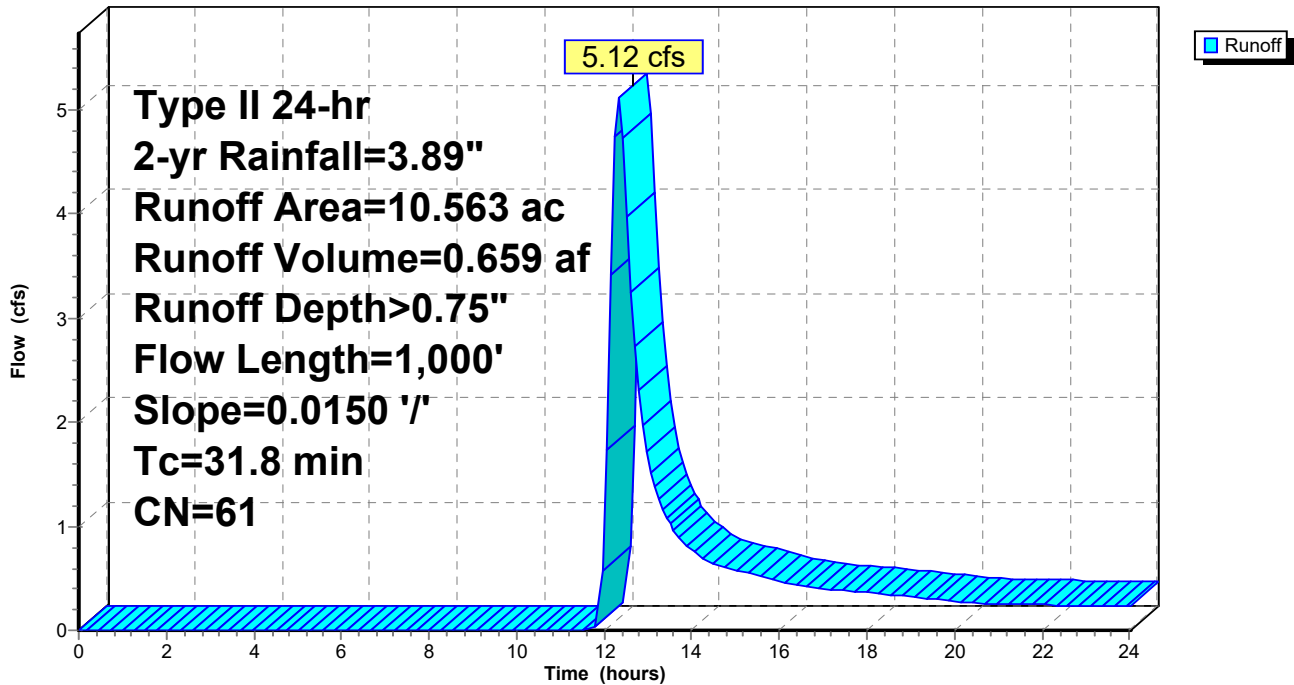
Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-24.03 hrs, dt= 0.09 hrs
 Type II 24-hr 2-yr Rainfall=3.89"

Area (ac)	CN	Description
10.563	61	Pasture/grassland/range, Good, HSG B
10.563		100.00% Pervious Area

Tc (min)	Length (feet)	Slope (ft/ft)	Velocity (ft/sec)	Capacity (cfs)	Description
14.3	100	0.0150	0.12		Sheet Flow, Sheet flow Grass: Dense n= 0.240 P2= 4.00"
17.5	900	0.0150	0.86		Shallow Concentrated Flow, Shallow concentrated Short Grass Pasture Kv= 7.0 fps
31.8	1,000	Total			

Subcatchment 1S: PRE

Hydrograph



lineage metals

Type II 24-hr 2-yr Rainfall=3.89"

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Page 8

Summary for Subcatchment 2S: POST 3

Runoff = 5.55 cfs @ 12.22 hrs, Volume= 0.567 af, Depth> 0.85"
 Routed to Pond 5P : (new Pond)

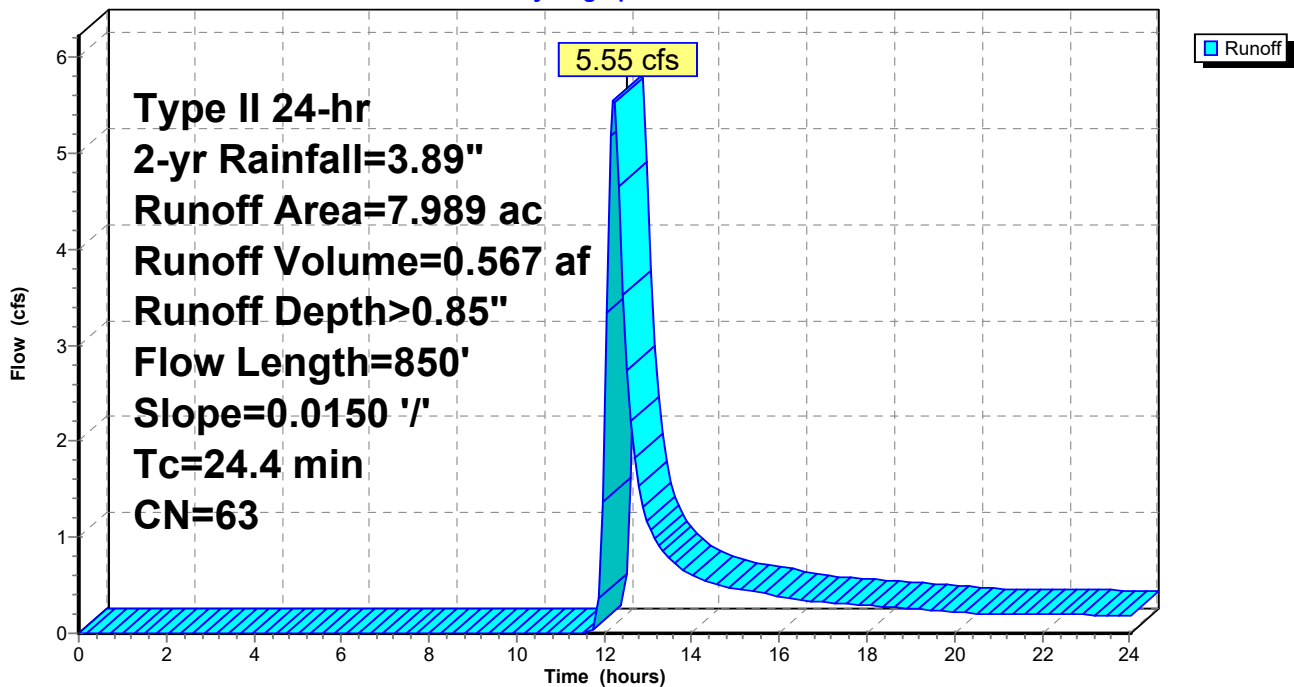
Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-24.03 hrs, dt= 0.09 hrs
 Type II 24-hr 2-yr Rainfall=3.89"

Area (ac)	CN	Description
7.596	61	Pasture/grassland/range, Good, HSG B
* 0.393	98	
7.989	63	Weighted Average
7.596		95.08% Pervious Area
0.393		4.92% Impervious Area

Tc (min)	Length (feet)	Slope (ft/ft)	Velocity (ft/sec)	Capacity (cfs)	Description
9.8	100	0.0150	0.17		Sheet Flow, Sheet Flow Grass: Short n= 0.150 P2= 4.00"
14.6	750	0.0150	0.86		Shallow Concentrated Flow, Shallow Concentrated Short Grass Pasture Kv= 7.0 fps
24.4	850	Total			

Subcatchment 2S: POST 3

Hydrograph



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Type II 24-hr 2-yr Rainfall=3.89"

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Summary for Subcatchment 4S: POST 1

[49] Hint: Tc<2dt may require smaller dt

Runoff = 1.54 cfs @ 11.96 hrs, Volume= 0.074 af, Depth> 1.87"
 Routed to Pond 11P : (new Pond)

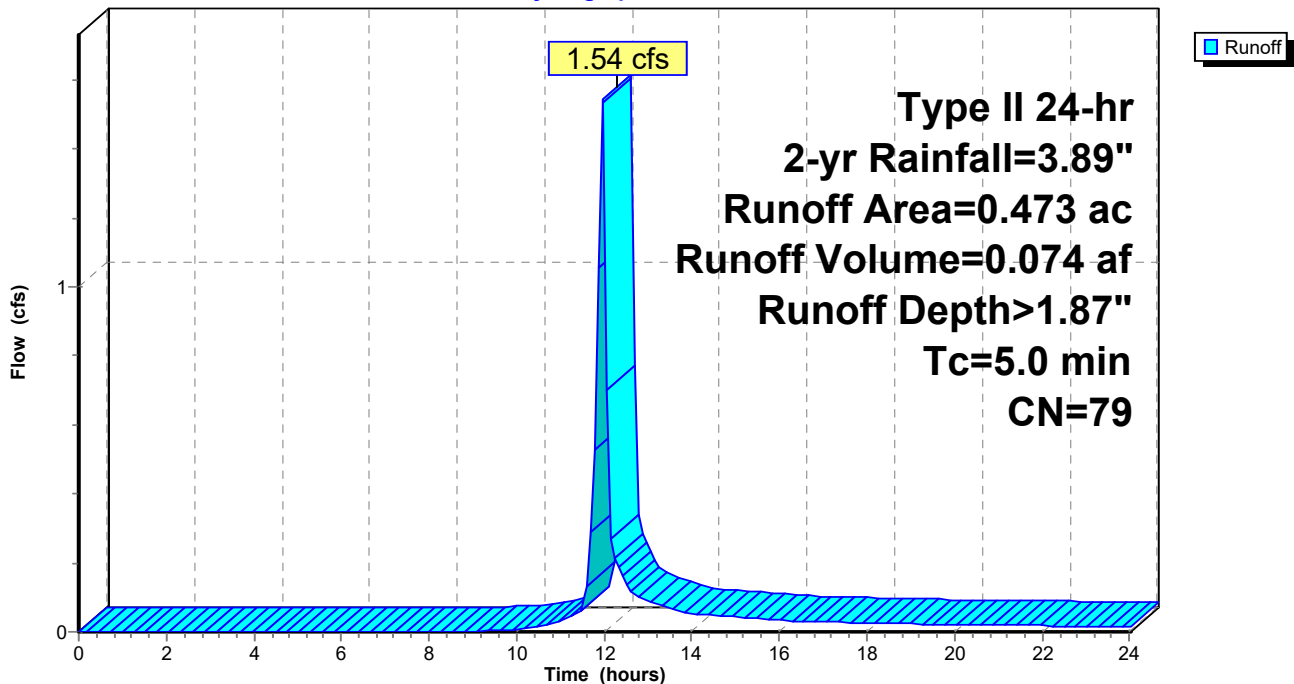
Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-24.03 hrs, dt= 0.09 hrs
 Type II 24-hr 2-yr Rainfall=3.89"

Area (ac)	CN	Description
0.243	61	Pasture/grassland/range, Good, HSG B
* 0.230	98	
0.473	79	Weighted Average
0.243		51.37% Pervious Area
0.230		48.63% Impervious Area

Tc (min)	Length (feet)	Slope (ft/ft)	Velocity (ft/sec)	Capacity (cfs)	Description
5.0					Direct Entry, Assumed

Subcatchment 4S: POST 1

Hydrograph



lineage metals

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Type II 24-hr 2-yr Rainfall=3.89"

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Summary for Subcatchment 7S: POST BYPASS

Runoff = 0.50 cfs @ 12.15 hrs, Volume= 0.045 af, Depth> 0.75"
 Routed to Link 6L : outfall

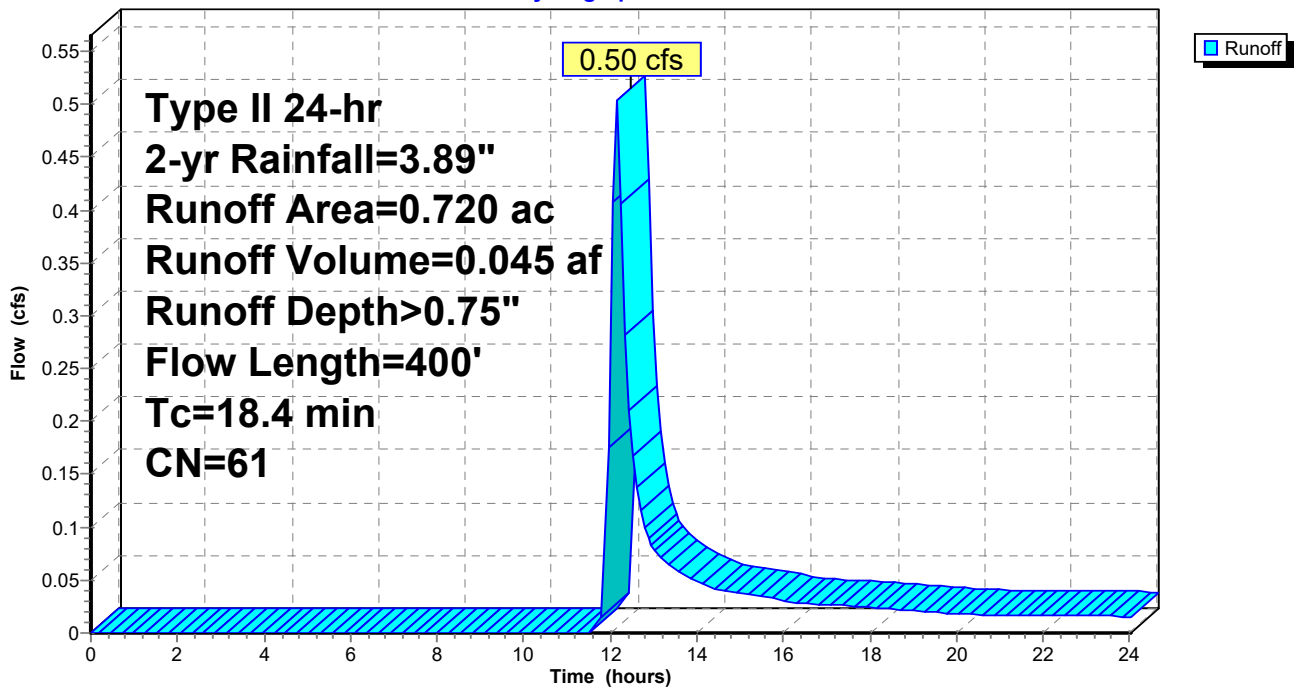
Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-24.03 hrs, dt= 0.09 hrs
 Type II 24-hr 2-yr Rainfall=3.89"

Area (ac)	CN	Description
0.720	61	Pasture/grassland/range, Good, HSG B
0.720		100.00% Pervious Area

Tc (min)	Length (feet)	Slope (ft/ft)	Velocity (ft/sec)	Capacity (cfs)	Description
14.3	100	0.0150	0.12		Sheet Flow, Sheet flow Grass: Dense n= 0.240 P2= 4.00"
4.1	300	0.0300	1.21		Shallow Concentrated Flow, Shallow concentrated Short Grass Pasture Kv= 7.0 fps
18.4	400	Total			

Subcatchment 7S: POST BYPASS

Hydrograph



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Type II 24-hr 2-yr Rainfall=3.89"

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Summary for Subcatchment 12S: POST 2

[49] Hint: Tc<2dt may require smaller dt

Runoff = 5.09 cfs @ 11.96 hrs, Volume= 0.246 af, Depth> 2.19"
 Routed to Pond 10P : (new Pond)

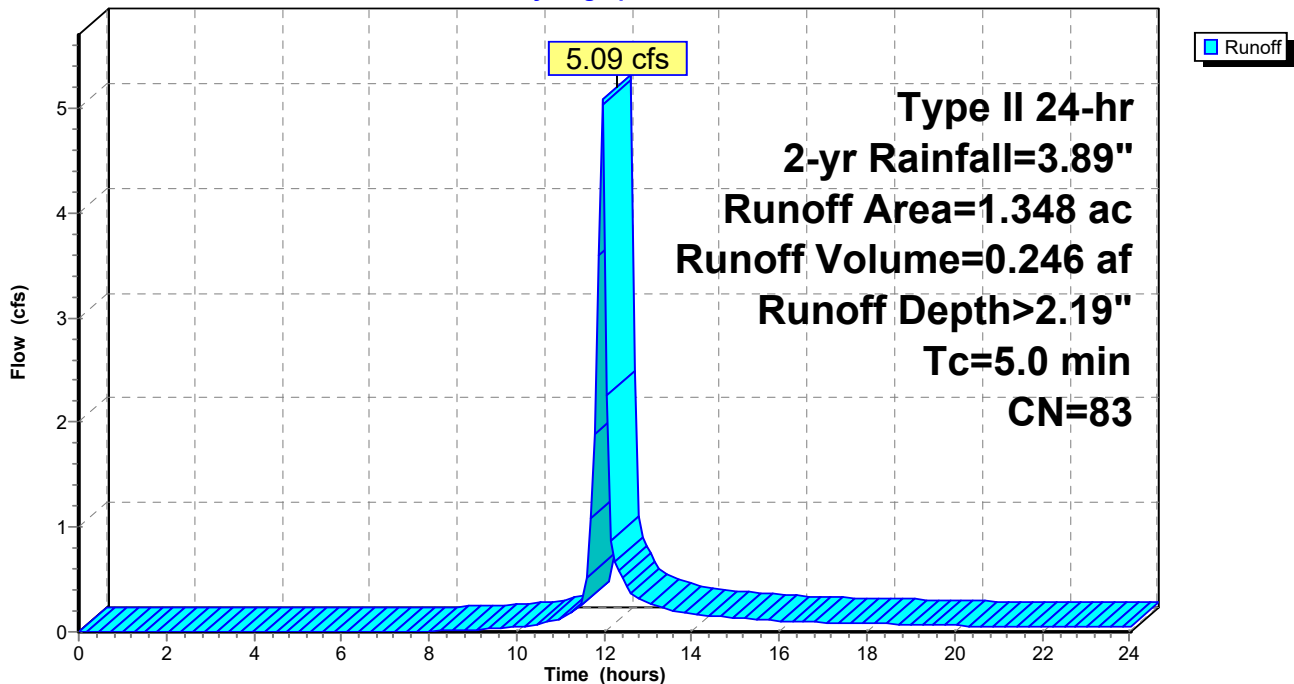
Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-24.03 hrs, dt= 0.09 hrs
 Type II 24-hr 2-yr Rainfall=3.89"

Area (ac)	CN	Description
0.555	61	Pasture/grassland/range, Good, HSG B
* 0.793	98	
1.348	83	Weighted Average
0.555		41.17% Pervious Area
0.793		58.83% Impervious Area

Tc (min)	Length (feet)	Slope (ft/ft)	Velocity (ft/sec)	Capacity (cfs)	Description
5.0					Direct Entry, Assumed

Subcatchment 12S: POST 2

Hydrograph



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Type II 24-hr 2-yr Rainfall=3.89"

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Summary for Pond 5P: (new Pond)

[79] Warning: Submerged Pond 10P Primary device # 1 INLET by 0.09'

Inflow Area = 9.810 ac, 14.43% Impervious, Inflow Depth > 1.08" for 2-yr event
 Inflow = 7.99 cfs @ 11.98 hrs, Volume= 0.887 af
 Outflow = 3.09 cfs @ 12.55 hrs, Volume= 0.870 af, Atten= 61%, Lag= 33.8 min
 Primary = 3.09 cfs @ 12.55 hrs, Volume= 0.870 af
 Routed to Link 6L : outfall

Routing by Stor-Ind method, Time Span= 0.00-24.03 hrs, dt= 0.09 hrs / 3
 Peak Elev= 643.21' @ 12.55 hrs Surf.Area= 16,875 sf Storage= 10,433 cf

Plug-Flow detention time= 51.3 min calculated for 0.867 af (98% of inflow)
 Center-of-Mass det. time= 40.8 min (909.7 - 868.9)

Volume	Invert	Avail.Storage	Storage Description
#1	642.10'	38,158 cf	Custom Stage Data (Prismatic) Listed below (Recalc)

Elevation (feet)	Surf.Area (sq-ft)	Inc.Store (cubic-feet)	Cum.Store (cubic-feet)
642.10	0	0	0
643.00	15,590	7,015	7,015
644.00	21,693	18,642	25,657
644.50	28,311	12,501	38,158

Device	Routing	Invert	Outlet Devices
#1	Primary	642.10'	18.0" Round Culvert L= 6.0' Ke= 1.000 Inlet / Outlet Invert= 642.10' / 642.07' S= 0.0050 '/' Cc= 0.900 n= 0.013, Flow Area= 1.77 sf
#2	Primary	644.00'	10.0' long + 3.0 ' SideZ x 2.0' breadth Broad-Crested Rectangular Weir Head (feet) 0.20 0.40 0.60 0.80 1.00 1.20 1.40 1.60 1.80 2.00 2.50 3.00 3.50 Coef. (English) 2.54 2.61 2.61 2.60 2.66 2.70 2.77 2.89 2.88 2.85 3.07 3.20 3.32

Primary OutFlow Max=3.09 cfs @ 12.55 hrs HW=643.21' (Free Discharge)

- ↑ 1=Culvert (Barrel Controls 3.09 cfs @ 3.07 fps)
- ↓ 2=Broad-Crested Rectangular Weir(Controls 0.00 cfs)

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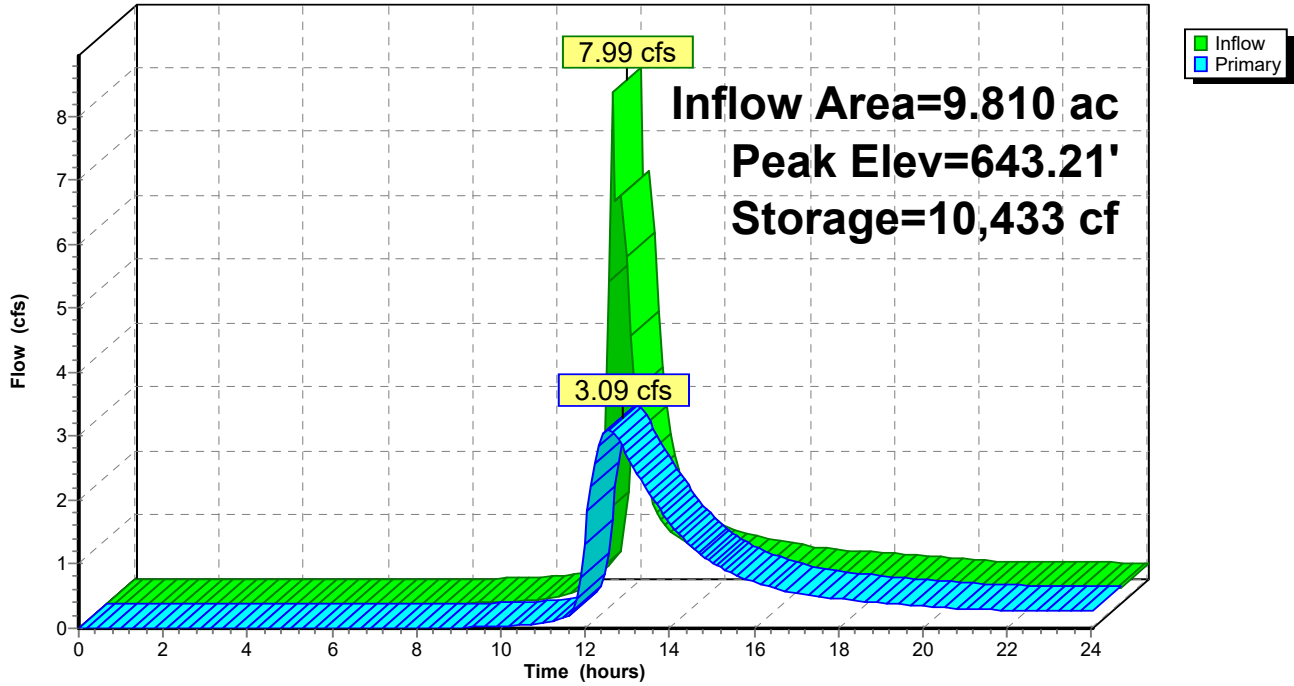
Type II 24-hr 2-yr Rainfall=3.89"

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Pond 5P: (new Pond)

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Type II 24-hr 2-yr Rainfall=3.89"

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Summary for Pond 10P: (new Pond)

[57] Hint: Peaked at 644.68' (Flood elevation advised)

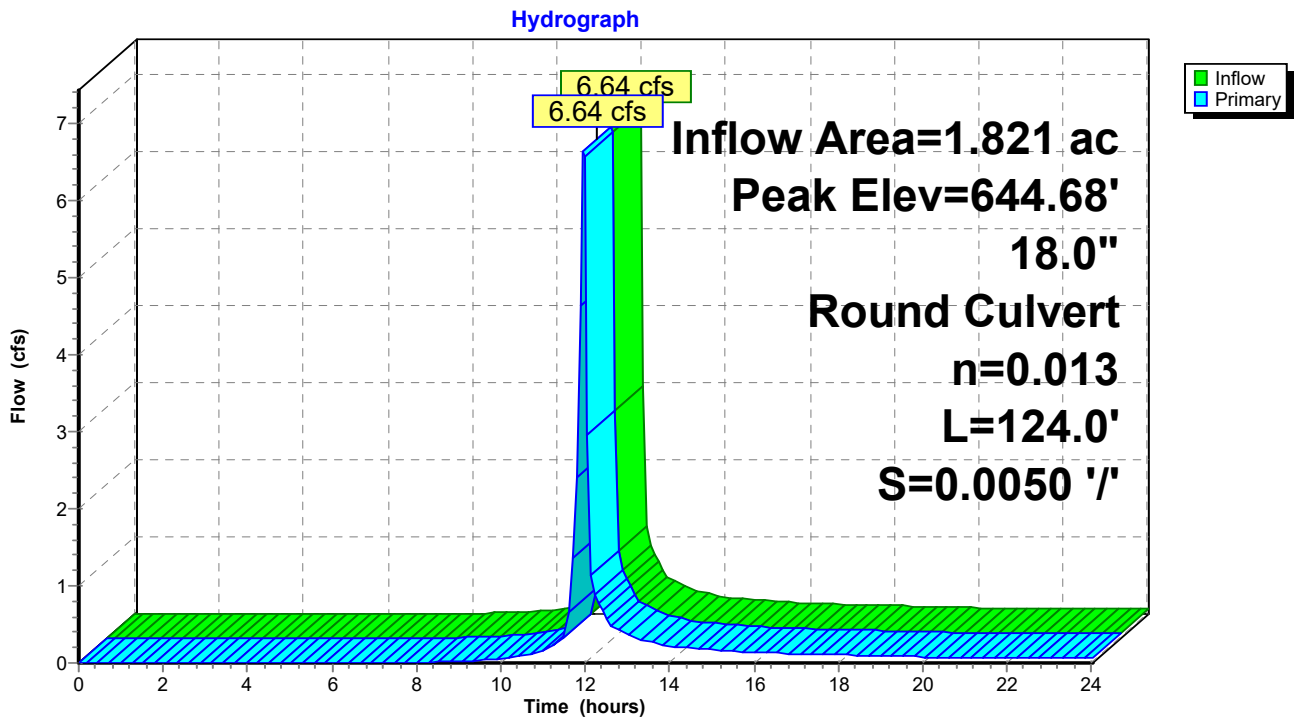
Inflow Area = 1.821 ac, 56.18% Impervious, Inflow Depth > 2.11" for 2-yr event
 Inflow = 6.64 cfs @ 11.96 hrs, Volume= 0.320 af
 Outflow = 6.64 cfs @ 11.96 hrs, Volume= 0.320 af, Atten= 0%, Lag= 0.0 min
 Primary = 6.64 cfs @ 11.96 hrs, Volume= 0.320 af
 Routed to Pond 5P : (new Pond)

Routing by Stor-Ind method, Time Span= 0.00-24.03 hrs, dt= 0.09 hrs
 Peak Elev= 644.68' @ 11.96 hrs

Device #	Routing	Invert	Outlet Devices
1	Primary	643.12'	18.0" Round Culvert L= 124.0' RCP, square edge headwall, Ke= 0.500 Inlet / Outlet Invert= 643.12' / 642.50' S= 0.0050 '/ Cc= 0.900 n= 0.013, Flow Area= 1.77 sf

Primary OutFlow Max=6.30 cfs @ 11.96 hrs HW=644.62' (Free Discharge)
 ↳ **1=Culvert** (Barrel Controls 6.30 cfs @ 4.43 fps)

Pond 10P: (new Pond)



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Type II 24-hr 2-yr Rainfall=3.89"

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Summary for Pond 11P: (new Pond)

[57] Hint: Peaked at 647.07' (Flood elevation advised)

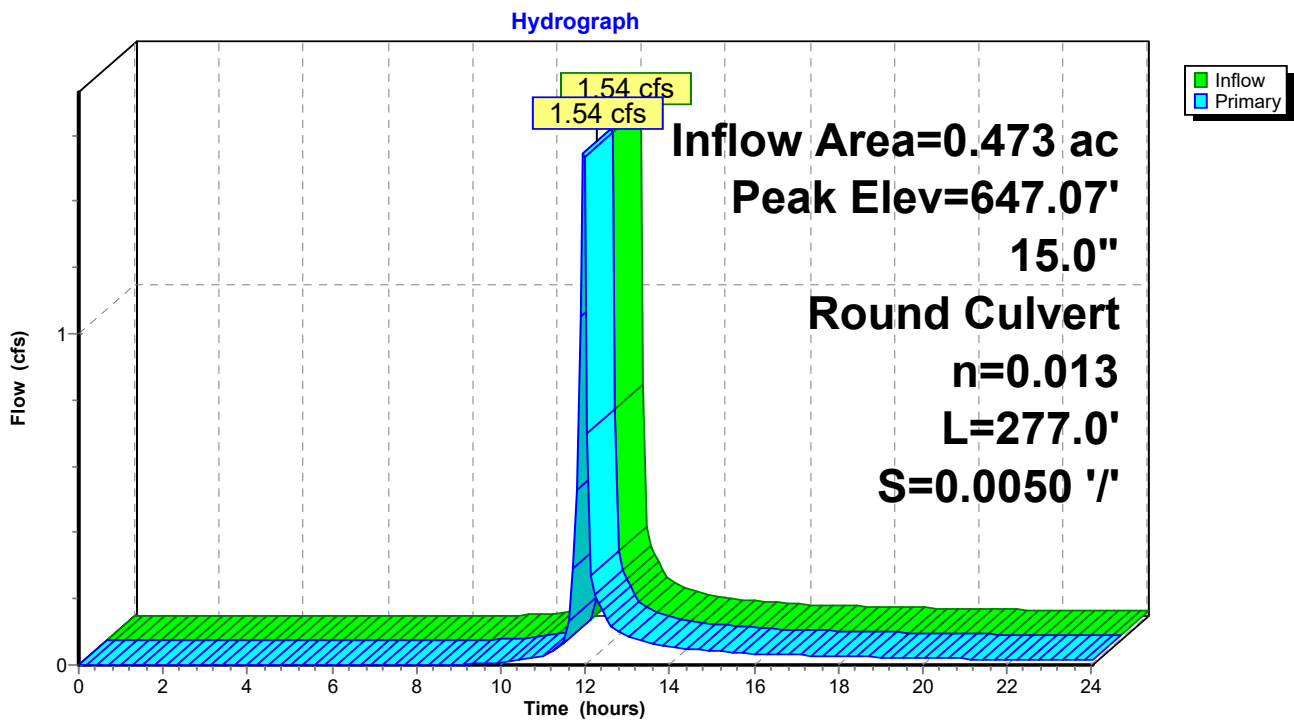
Inflow Area = 0.473 ac, 48.63% Impervious, Inflow Depth > 1.87" for 2-yr event
 Inflow = 1.54 cfs @ 11.96 hrs, Volume= 0.074 af
 Outflow = 1.54 cfs @ 11.96 hrs, Volume= 0.074 af, Atten= 0%, Lag= 0.0 min
 Primary = 1.54 cfs @ 11.96 hrs, Volume= 0.074 af
 Routed to Pond 10P : (new Pond)

Routing by Stor-Ind method, Time Span= 0.00-24.03 hrs, dt= 0.09 hrs
 Peak Elev= 647.07' @ 11.96 hrs

Device #	Routing	Invert	Outlet Devices
1	Primary	646.39'	15.0" Round Culvert L= 277.0' RCP, square edge headwall, Ke= 0.500 Inlet / Outlet Invert= 646.39' / 645.00' S= 0.0050 '/ Cc= 0.900 n= 0.013, Flow Area= 1.23 sf

Primary OutFlow Max=1.46 cfs @ 11.96 hrs HW=647.05' (Free Discharge)
 ←1=Culvert (Barrel Controls 1.46 cfs @ 3.24 fps)

Pond 11P: (new Pond)



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Type II 24-hr 2-yr Rainfall=3.89"

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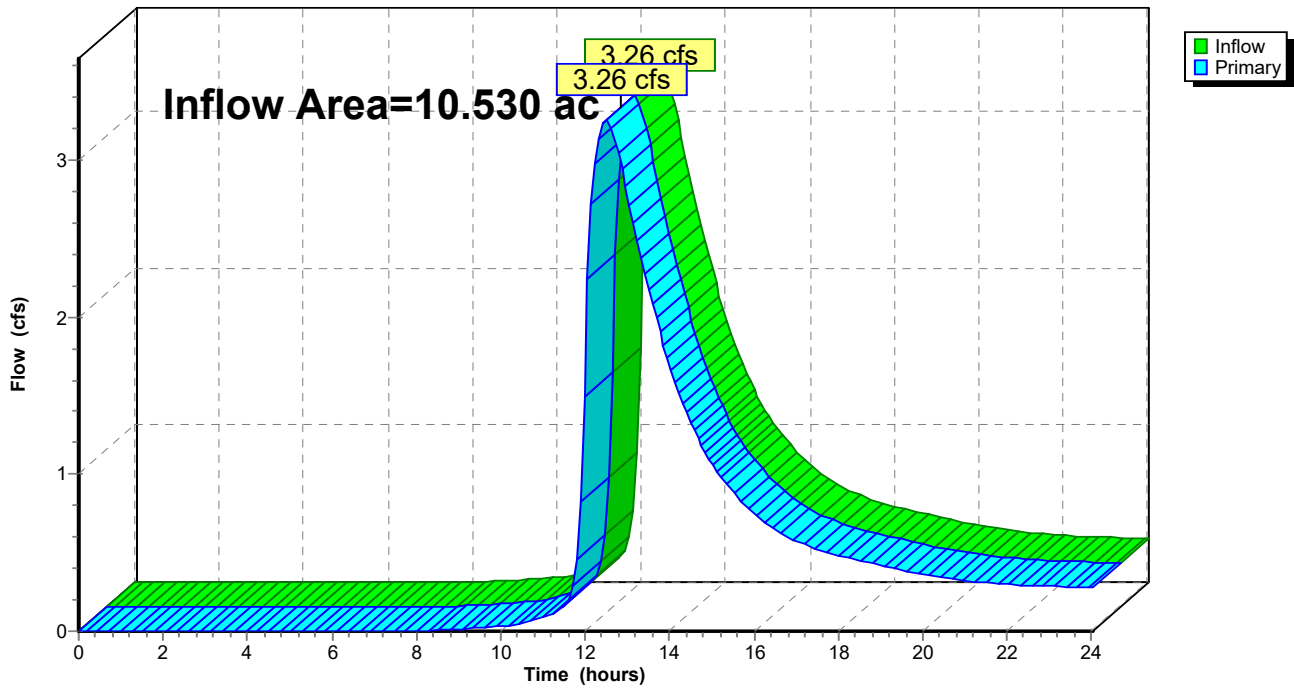
Summary for Link 6L: outfall

Inflow Area = 10.530 ac, 13.45% Impervious, Inflow Depth > 1.04" for 2-yr event
Inflow = 3.26 cfs @ 12.50 hrs, Volume= 0.915 af
Primary = 3.26 cfs @ 12.50 hrs, Volume= 0.915 af, Atten= 0%, Lag= 0.0 min

Primary outflow = Inflow, Time Span= 0.00-24.03 hrs, dt= 0.09 hrs

Link 6L: outfall

Hydrograph



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Type II 24-hr 10-yr Rainfall=5.41"

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Time span=0.00-24.00 hrs, dt=0.09 hrs, 268 points
Runoff by SCS TR-20 method, UH=SCS, Weighted-CN
Reach routing by Stor-Ind+Trans method - Pond routing by Stor-Ind method

Subcatchment1S: PRE Runoff Area=10.563 ac 0.00% Impervious Runoff Depth>1.61"
Flow Length=1,000' Slope=0.0150 '/' Tc=31.8 min CN=61 Runoff=12.87 cfs 1.414 af

Subcatchment2S: POST 3 Runoff Area=7.989 ac 4.92% Impervious Runoff Depth>1.76"
Flow Length=850' Slope=0.0150 '/' Tc=24.4 min CN=63 Runoff=12.93 cfs 1.173 af

Subcatchment4S: POST 1 Runoff Area=0.473 ac 48.63% Impervious Runoff Depth>3.16"
Tc=5.0 min CN=79 Runoff=2.57 cfs 0.124 af

Subcatchment7S: POST BYPASS Runoff Area=0.720 ac 0.00% Impervious Runoff Depth>1.61"
Flow Length=400' Tc=18.4 min CN=61 Runoff=1.24 cfs 0.097 af

Subcatchment12S: POST 2 Runoff Area=1.348 ac 58.83% Impervious Runoff Depth>3.55"
Tc=5.0 min CN=83 Runoff=8.08 cfs 0.398 af

Pond 5P: (new Pond) Peak Elev=643.85' Storage=22,478 cf Inflow=15.58 cfs 1.696 af
Outflow=6.23 cfs 1.668 af

Pond 10P: (new Pond) Peak Elev=646.08' Inflow=10.65 cfs 0.523 af
18.0" Round Culvert n=0.013 L=124.0' S=0.0050 '/' Outflow=10.65 cfs 0.523 af

Pond 11P: (new Pond) Peak Elev=647.30' Inflow=2.57 cfs 0.124 af
15.0" Round Culvert n=0.013 L=277.0' S=0.0050 '/' Outflow=2.57 cfs 0.124 af

Link 6L: outfall Inflow=6.59 cfs 1.765 af
Primary=6.59 cfs 1.765 af

Total Runoff Area = 21.093 ac Runoff Volume = 3.207 af Average Runoff Depth = 1.82"
93.29% Pervious = 19.677 ac 6.71% Impervious = 1.416 ac

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Type II 24-hr 10-yr Rainfall=5.41"

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Summary for Subcatchment 1S: PRE

Runoff = 12.87 cfs @ 12.30 hrs, Volume= 1.414 af, Depth> 1.61"

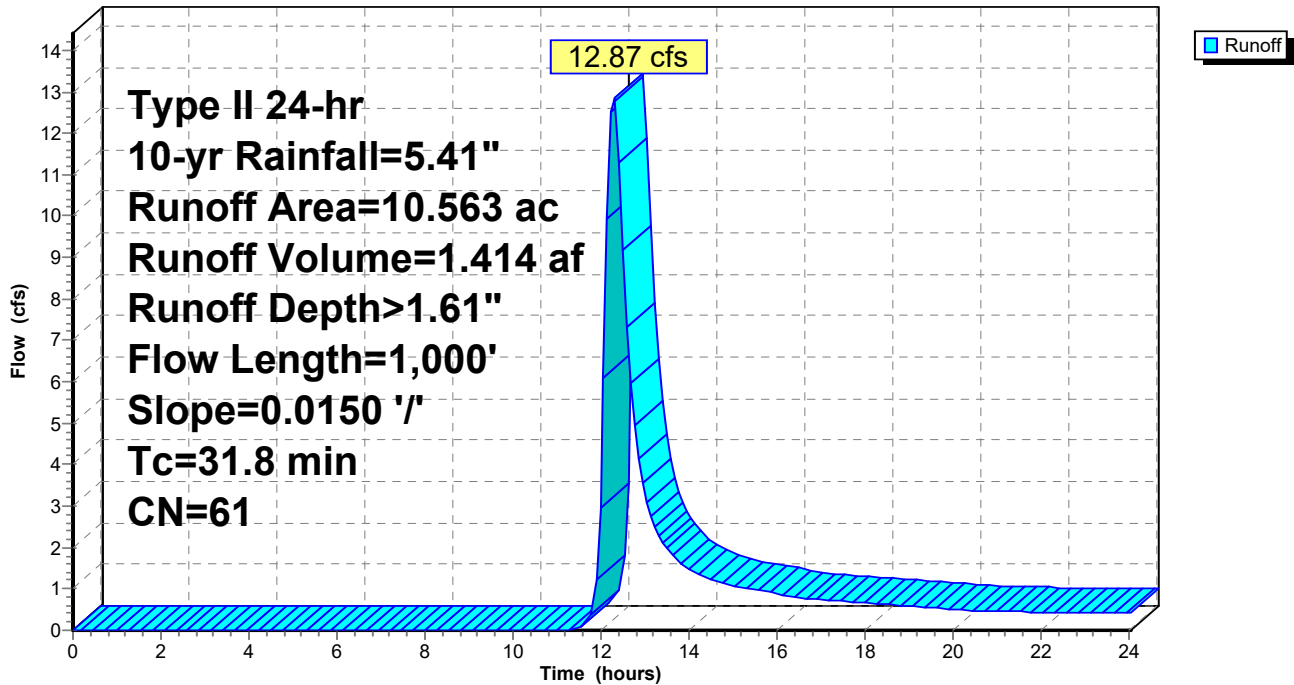
Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-24.03 hrs, dt= 0.09 hrs
Type II 24-hr 10-yr Rainfall=5.41"

Area (ac)	CN	Description
10.563	61	Pasture/grassland/range, Good, HSG B
10.563		100.00% Pervious Area

Tc (min)	Length (feet)	Slope (ft/ft)	Velocity (ft/sec)	Capacity (cfs)	Description
14.3	100	0.0150	0.12		Sheet Flow, Sheet flow Grass: Dense n= 0.240 P2= 4.00"
17.5	900	0.0150	0.86		Shallow Concentrated Flow, Shallow concentrated Short Grass Pasture Kv= 7.0 fps
31.8	1,000	Total			

Subcatchment 1S: PRE

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Type II 24-hr 10-yr Rainfall=5.41"

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Summary for Subcatchment 2S: POST 3

Runoff = 12.93 cfs @ 12.20 hrs, Volume= 1.173 af, Depth> 1.76"
 Routed to Pond 5P : (new Pond)

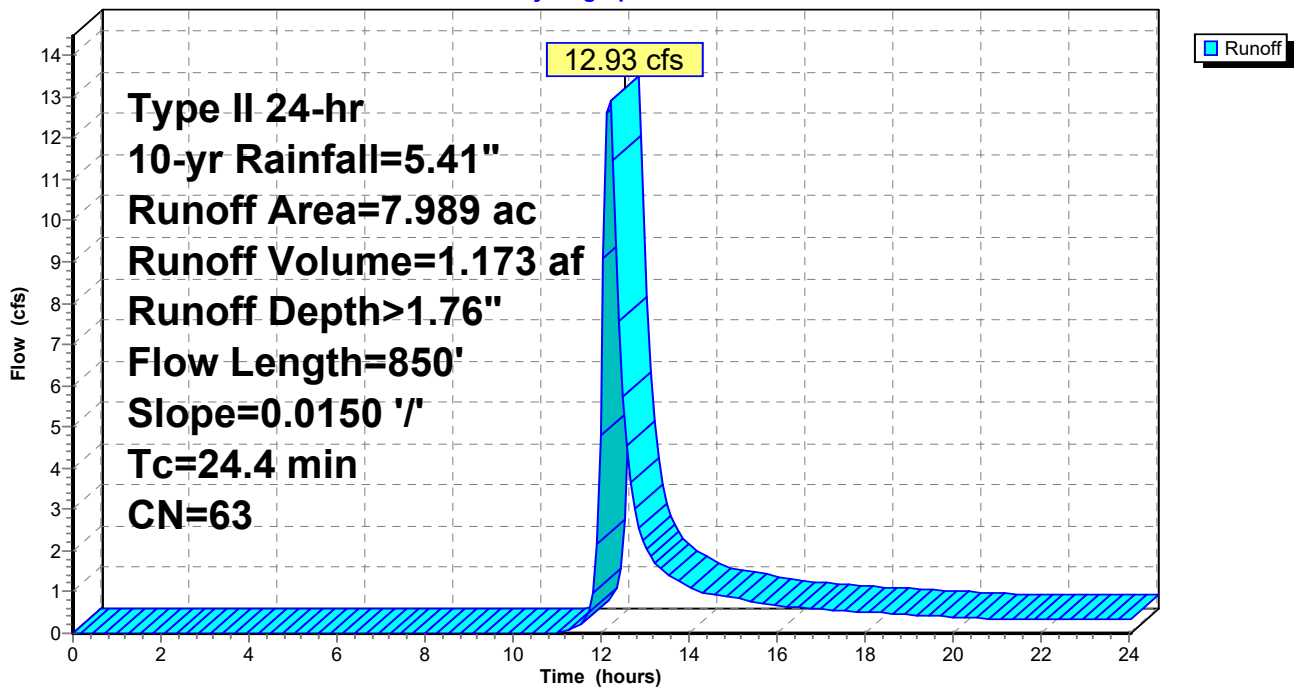
Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-24.03 hrs, dt= 0.09 hrs
 Type II 24-hr 10-yr Rainfall=5.41"

Area (ac)	CN	Description
7.596	61	Pasture/grassland/range, Good, HSG B
* 0.393	98	
7.989	63	Weighted Average
7.596		95.08% Pervious Area
0.393		4.92% Impervious Area

Tc (min)	Length (feet)	Slope (ft/ft)	Velocity (ft/sec)	Capacity (cfs)	Description
9.8	100	0.0150	0.17		Sheet Flow, Sheet Flow Grass: Short n= 0.150 P2= 4.00"
14.6	750	0.0150	0.86		Shallow Concentrated Flow, Shallow Concentrated Short Grass Pasture Kv= 7.0 fps
24.4	850	Total			

Subcatchment 2S: POST 3

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Type II 24-hr 10-yr Rainfall=5.41"

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Summary for Subcatchment 4S: POST 1

[49] Hint: Tc<2dt may require smaller dt

Runoff = 2.57 cfs @ 11.96 hrs, Volume= 0.124 af, Depth> 3.16"
 Routed to Pond 11P : (new Pond)

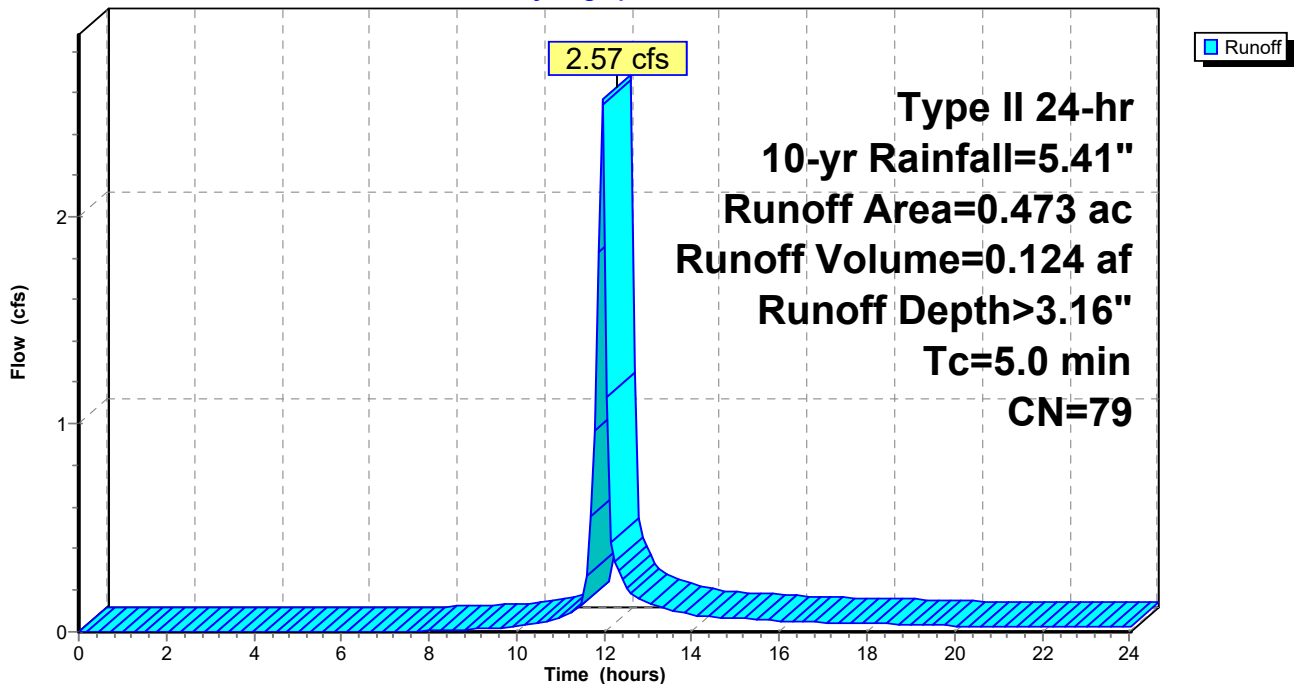
Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-24.03 hrs, dt= 0.09 hrs
 Type II 24-hr 10-yr Rainfall=5.41"

Area (ac)	CN	Description
0.243	61	Pasture/grassland/range, Good, HSG B
* 0.230	98	
0.473	79	Weighted Average
0.243		51.37% Pervious Area
0.230		48.63% Impervious Area

Tc (min)	Length (feet)	Slope (ft/ft)	Velocity (ft/sec)	Capacity (cfs)	Description
5.0					Direct Entry, Assumed

Subcatchment 4S: POST 1

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Type II 24-hr 10-yr Rainfall=5.41"

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Summary for Subcatchment 7S: POST BYPASS

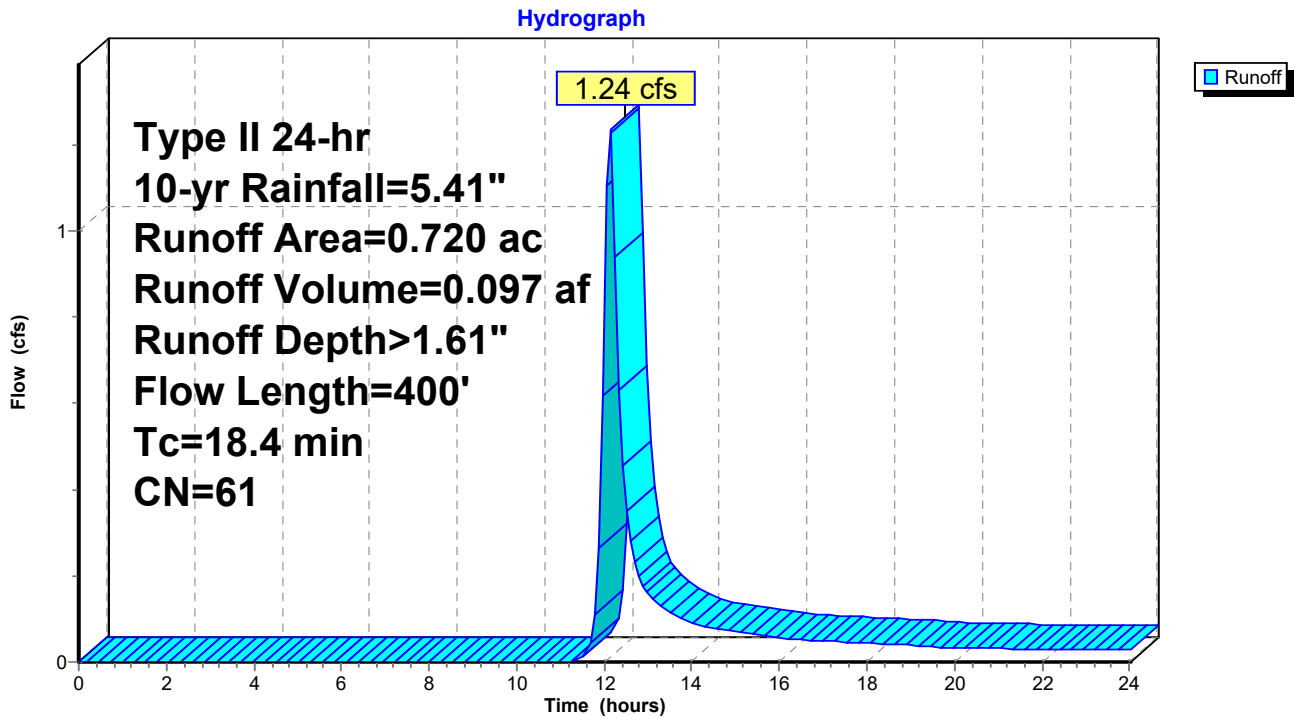
Runoff = 1.24 cfs @ 12.13 hrs, Volume= 0.097 af, Depth> 1.61"
 Routed to Link 6L : outfall

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-24.03 hrs, dt= 0.09 hrs
 Type II 24-hr 10-yr Rainfall=5.41"

Area (ac)	CN	Description
0.720	61	Pasture/grassland/range, Good, HSG B
0.720		100.00% Pervious Area

Tc (min)	Length (feet)	Slope (ft/ft)	Velocity (ft/sec)	Capacity (cfs)	Description
14.3	100	0.0150	0.12		Sheet Flow, Sheet flow Grass: Dense n= 0.240 P2= 4.00"
4.1	300	0.0300	1.21		Shallow Concentrated Flow, Shallow concentrated Short Grass Pasture Kv= 7.0 fps
18.4	400	Total			

Subcatchment 7S: POST BYPASS



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Type II 24-hr 10-yr Rainfall=5.41"

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Summary for Subcatchment 12S: POST 2

[49] Hint: Tc<2dt may require smaller dt

Runoff = 8.08 cfs @ 11.95 hrs, Volume= 0.398 af, Depth> 3.55"
 Routed to Pond 10P : (new Pond)

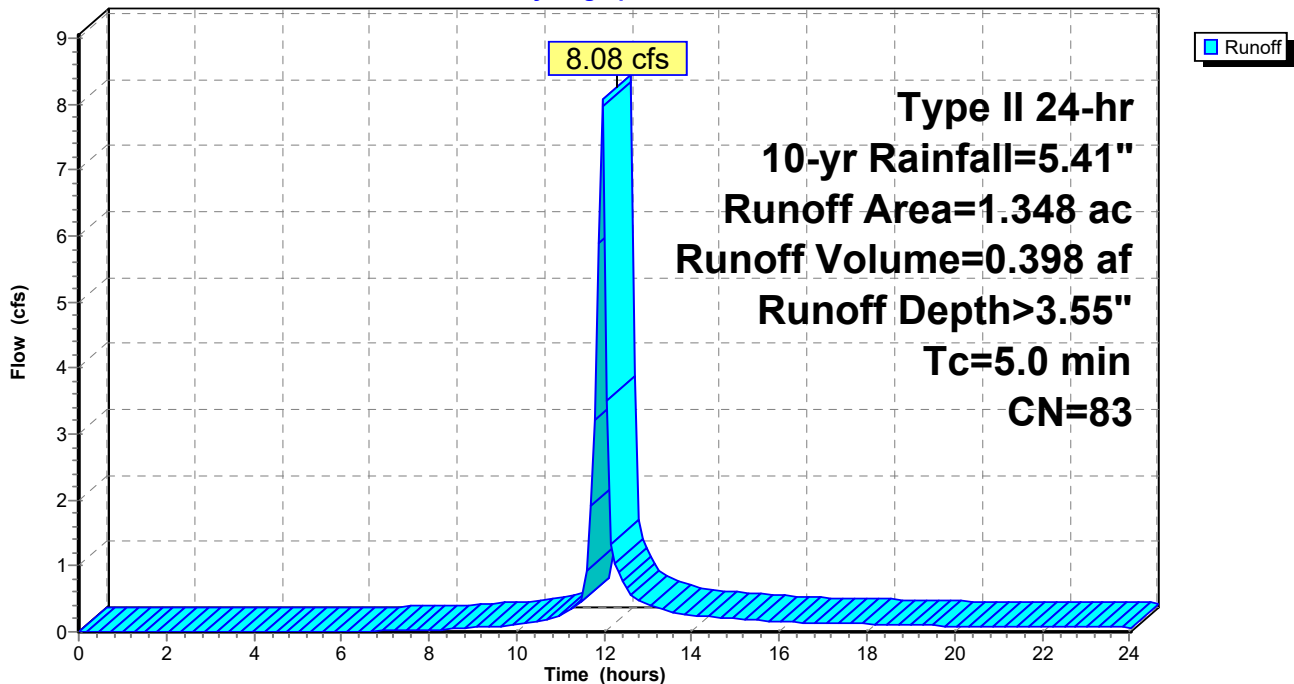
Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-24.03 hrs, dt= 0.09 hrs
 Type II 24-hr 10-yr Rainfall=5.41"

Area (ac)	CN	Description
0.555	61	Pasture/grassland/range, Good, HSG B
* 0.793	98	
1.348	83	Weighted Average
0.555		41.17% Pervious Area
0.793		58.83% Impervious Area

Tc (min)	Length (feet)	Slope (ft/ft)	Velocity (ft/sec)	Capacity (cfs)	Description
5.0					Direct Entry, Assumed

Subcatchment 12S: POST 2

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Type II 24-hr 10-yr Rainfall=5.41"

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Summary for Pond 5P: (new Pond)

[81] Warning: Exceeded Pond 10P by 0.29' @ 12.60 hrs

Inflow Area = 9.810 ac, 14.43% Impervious, Inflow Depth > 2.07" for 10-yr event
 Inflow = 15.58 cfs @ 11.99 hrs, Volume= 1.696 af
 Outflow = 6.23 cfs @ 12.54 hrs, Volume= 1.668 af, Atten= 60%, Lag= 32.7 min
 Primary = 6.23 cfs @ 12.54 hrs, Volume= 1.668 af
 Routed to Link 6L : outfall

Routing by Stor-Ind method, Time Span= 0.00-24.03 hrs, dt= 0.09 hrs / 3
 Peak Elev= 643.85' @ 12.54 hrs Surf.Area= 20,779 sf Storage= 22,478 cf

Plug-Flow detention time= 54.2 min calculated for 1.668 af (98% of inflow)
 Center-of-Mass det. time= 44.5 min (896.4 - 851.9)

Volume	Invert	Avail.Storage	Storage Description
#1	642.10'	38,158 cf	Custom Stage Data (Prismatic) Listed below (Recalc)

Elevation (feet)	Surf.Area (sq-ft)	Inc.Store (cubic-feet)	Cum.Store (cubic-feet)
642.10	0	0	0
643.00	15,590	7,015	7,015
644.00	21,693	18,642	25,657
644.50	28,311	12,501	38,158

Device	Routing	Invert	Outlet Devices
#1	Primary	642.10'	18.0" Round Culvert L= 6.0' Ke= 1.000 Inlet / Outlet Invert= 642.10' / 642.07' S= 0.0050 '/' Cc= 0.900 n= 0.013, Flow Area= 1.77 sf
#2	Primary	644.00'	10.0' long + 3.0 ' SideZ x 2.0' breadth Broad-Crested Rectangular Weir Head (feet) 0.20 0.40 0.60 0.80 1.00 1.20 1.40 1.60 1.80 2.00 2.50 3.00 3.50 Coef. (English) 2.54 2.61 2.61 2.60 2.66 2.70 2.77 2.89 2.88 2.85 3.07 3.20 3.32

Primary OutFlow Max=6.22 cfs @ 12.54 hrs HW=643.85' (Free Discharge)

- ↑1=Culvert (Barrel Controls 6.22 cfs @ 3.80 fps)
- └2=Broad-Crested Rectangular Weir(Controls 0.00 cfs)

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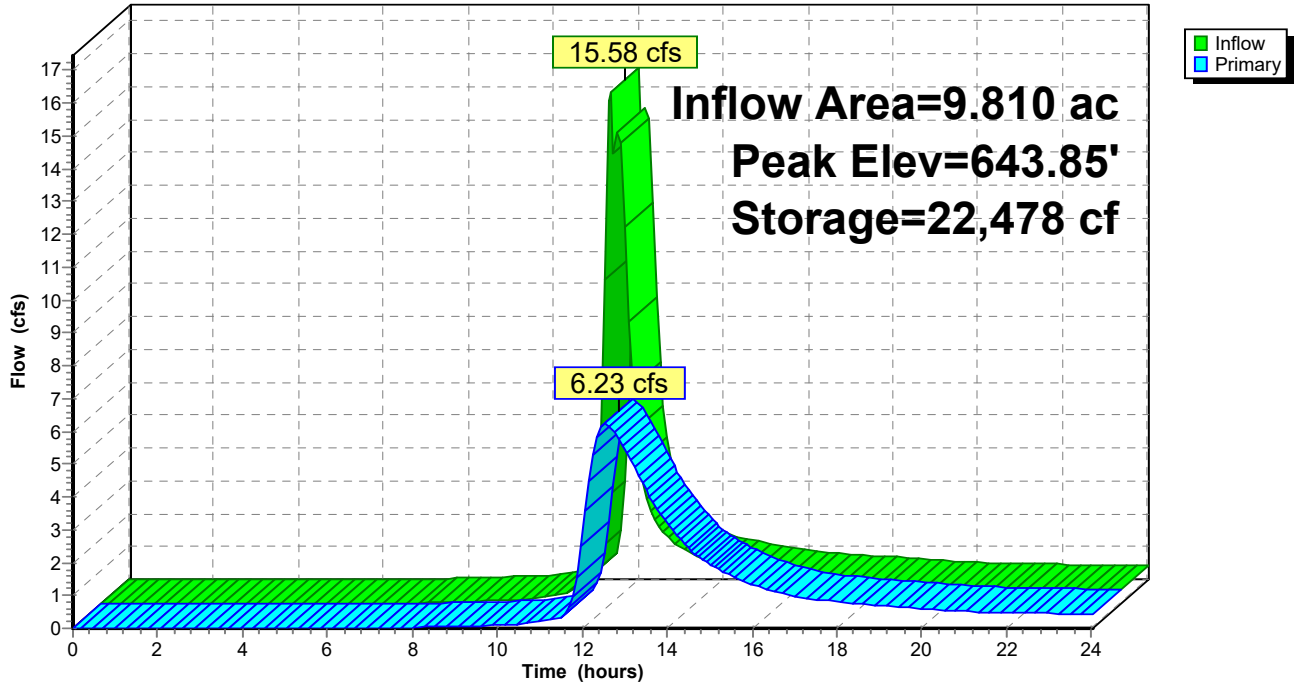
Type II 24-hr 10-yr Rainfall=5.41"

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Pond 5P: (new Pond)

Hydrograph



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Type II 24-hr 10-yr Rainfall=5.41"

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Summary for Pond 10P: (new Pond)

[57] Hint: Peaked at 646.08' (Flood elevation advised)

[79] Warning: Submerged Pond 11P Primary device # 1 OUTLET by 1.07'

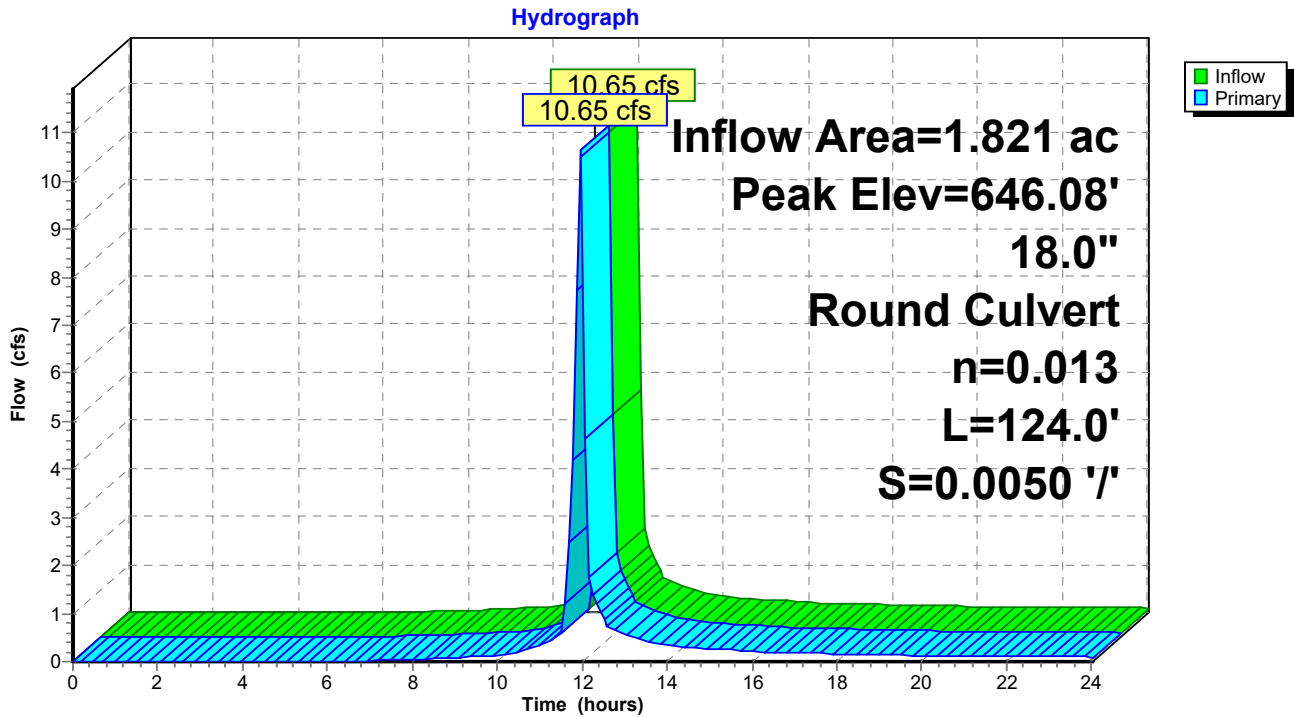
Inflow Area = 1.821 ac, 56.18% Impervious, Inflow Depth > 3.45" for 10-yr event
 Inflow = 10.65 cfs @ 11.95 hrs, Volume= 0.523 af
 Outflow = 10.65 cfs @ 11.95 hrs, Volume= 0.523 af, Atten= 0%, Lag= 0.0 min
 Primary = 10.65 cfs @ 11.95 hrs, Volume= 0.523 af
 Routed to Pond 5P : (new Pond)

Routing by Stor-Ind method, Time Span= 0.00-24.03 hrs, dt= 0.09 hrs
 Peak Elev= 646.08' @ 11.96 hrs

Device #	Routing	Invert	Outlet Devices
#1	Primary	643.12'	18.0" Round Culvert L= 124.0' RCP, square edge headwall, Ke= 0.500 Inlet / Outlet Invert= 643.12' / 642.50' S= 0.0050 '/ Cc= 0.900 n= 0.013, Flow Area= 1.77 sf

Primary OutFlow Max=9.98 cfs @ 11.95 hrs HW=645.87' (Free Discharge)
 ↳ 1=Culvert (Barrel Controls 9.98 cfs @ 5.65 fps)

Pond 10P: (new Pond)



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Type II 24-hr 10-yr Rainfall=5.41"

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Summary for Pond 11P: (new Pond)

[57] Hint: Peaked at 647.30' (Flood elevation advised)

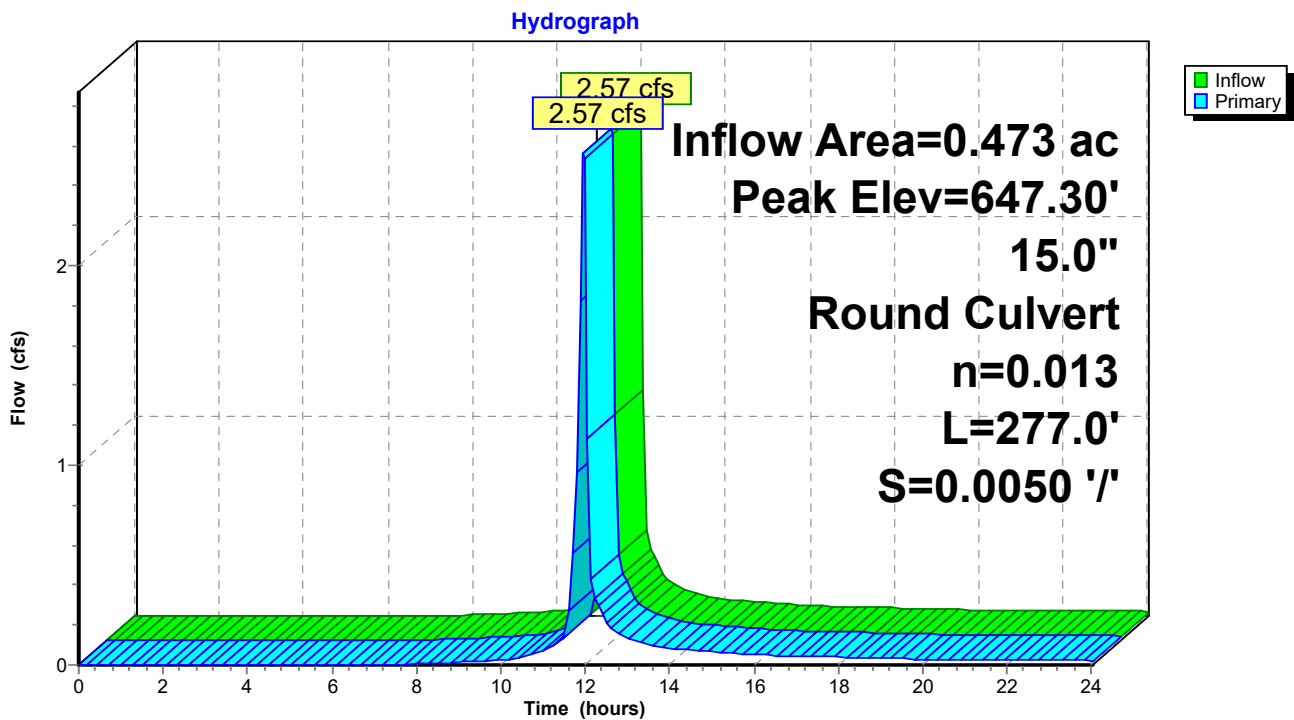
Inflow Area = 0.473 ac, 48.63% Impervious, Inflow Depth > 3.16" for 10-yr event
 Inflow = 2.57 cfs @ 11.96 hrs, Volume= 0.124 af
 Outflow = 2.57 cfs @ 11.96 hrs, Volume= 0.124 af, Atten= 0%, Lag= 0.0 min
 Primary = 2.57 cfs @ 11.96 hrs, Volume= 0.124 af
 Routed to Pond 10P : (new Pond)

Routing by Stor-Ind method, Time Span= 0.00-24.03 hrs, dt= 0.09 hrs
 Peak Elev= 647.30' @ 11.95 hrs

Device #	Routing	Invert	Outlet Devices
#1	Primary	646.39'	15.0" Round Culvert L= 277.0' RCP, square edge headwall, Ke= 0.500 Inlet / Outlet Invert= 646.39' / 645.00' S= 0.0050 '/ Cc= 0.900 n= 0.013, Flow Area= 1.23 sf

Primary OutFlow Max=2.42 cfs @ 11.96 hrs HW=647.27' (Free Discharge)
 ←1=Culvert (Barrel Controls 2.42 cfs @ 3.68 fps)

Pond 11P: (new Pond)



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Type II 24-hr 10-yr Rainfall=5.41"

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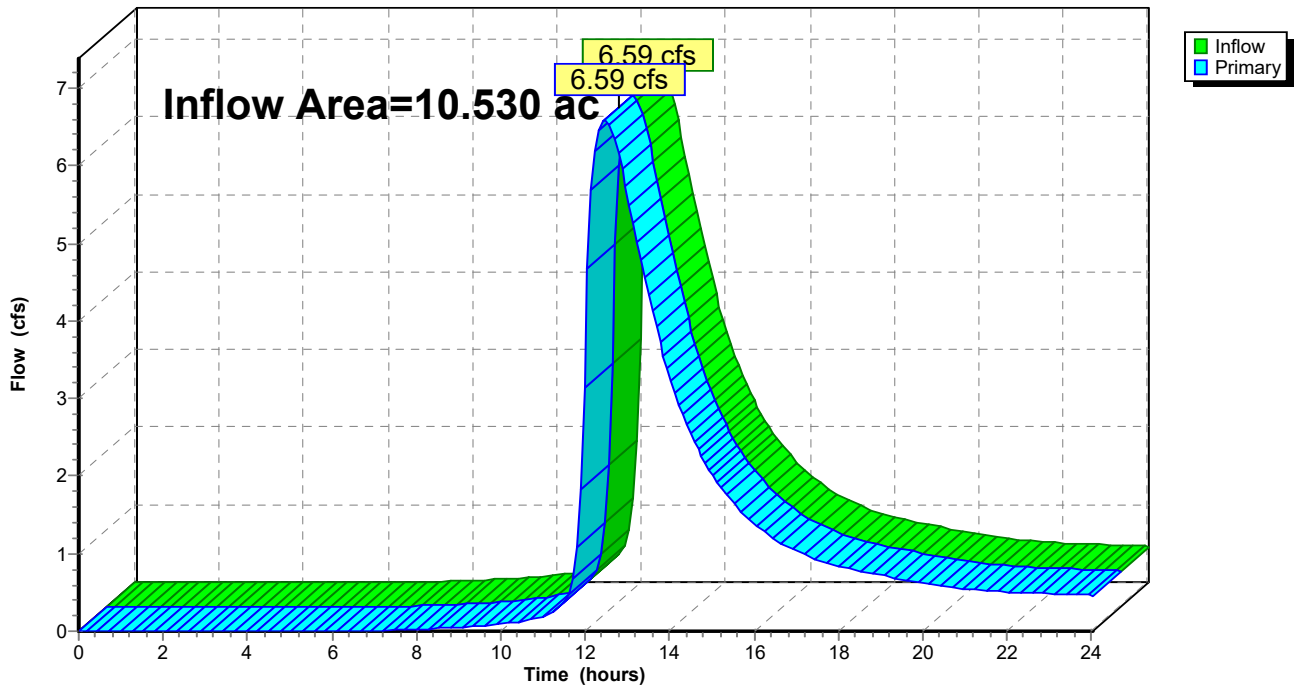
Summary for Link 6L: outfall

Inflow Area = 10.530 ac, 13.45% Impervious, Inflow Depth > 2.01" for 10-yr event
Inflow = 6.59 cfs @ 12.46 hrs, Volume= 1.765 af
Primary = 6.59 cfs @ 12.46 hrs, Volume= 1.765 af, Atten= 0%, Lag= 0.0 min

Primary outflow = Inflow, Time Span= 0.00-24.03 hrs, dt= 0.09 hrs

Link 6L: outfall

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Type II 24-hr 25-yr Rainfall=6.33"

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Time span=0.00-24.00 hrs, dt=0.09 hrs, 268 points
 Runoff by SCS TR-20 method, UH=SCS, Weighted-CN
 Reach routing by Stor-Ind+Trans method - Pond routing by Stor-Ind method

Subcatchment1S: PRE Runoff Area=10.563 ac 0.00% Impervious Runoff Depth>2.21"
 Flow Length=1,000' Slope=0.0150 '/' Tc=31.8 min CN=61 Runoff=18.38 cfs 1.945 af

Subcatchment2S: POST 3 Runoff Area=7.989 ac 4.92% Impervious Runoff Depth>2.39"
 Flow Length=850' Slope=0.0150 '/' Tc=24.4 min CN=63 Runoff=18.22 cfs 1.594 af

Subcatchment4S: POST 1 Runoff Area=0.473 ac 48.63% Impervious Runoff Depth>3.97"
 Tc=5.0 min CN=79 Runoff=3.20 cfs 0.157 af

Subcatchment7S: POST BYPASS Runoff Area=0.720 ac 0.00% Impervious Runoff Depth>2.22"
 Flow Length=400' Tc=18.4 min CN=61 Runoff=1.75 cfs 0.133 af

Subcatchment12S: POST 2 Runoff Area=1.348 ac 58.83% Impervious Runoff Depth>4.40"
 Tc=5.0 min CN=83 Runoff=9.90 cfs 0.494 af

Pond 5P: (new Pond) Peak Elev=644.20' Storage=30,169 cf Inflow=20.24 cfs 2.245 af
 Outflow=9.72 cfs 2.209 af

Pond 10P: (new Pond) Peak Elev=647.17' Inflow=13.10 cfs 0.651 af
 18.0" Round Culvert n=0.013 L=124.0' S=0.0050 '/' Outflow=13.10 cfs 0.651 af

Pond 11P: (new Pond) Peak Elev=647.44' Inflow=3.20 cfs 0.157 af
 15.0" Round Culvert n=0.013 L=277.0' S=0.0050 '/' Outflow=3.20 cfs 0.157 af

Link 6L: outfall Inflow=10.29 cfs 2.342 af
 Primary=10.29 cfs 2.342 af

Total Runoff Area = 21.093 ac Runoff Volume = 4.323 af Average Runoff Depth = 2.46"
93.29% Pervious = 19.677 ac 6.71% Impervious = 1.416 ac

lineage metals

Type II 24-hr 25-yr Rainfall=6.33"

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Summary for Subcatchment 1S: PRE

Runoff = 18.38 cfs @ 12.29 hrs, Volume= 1.945 af, Depth> 2.21"

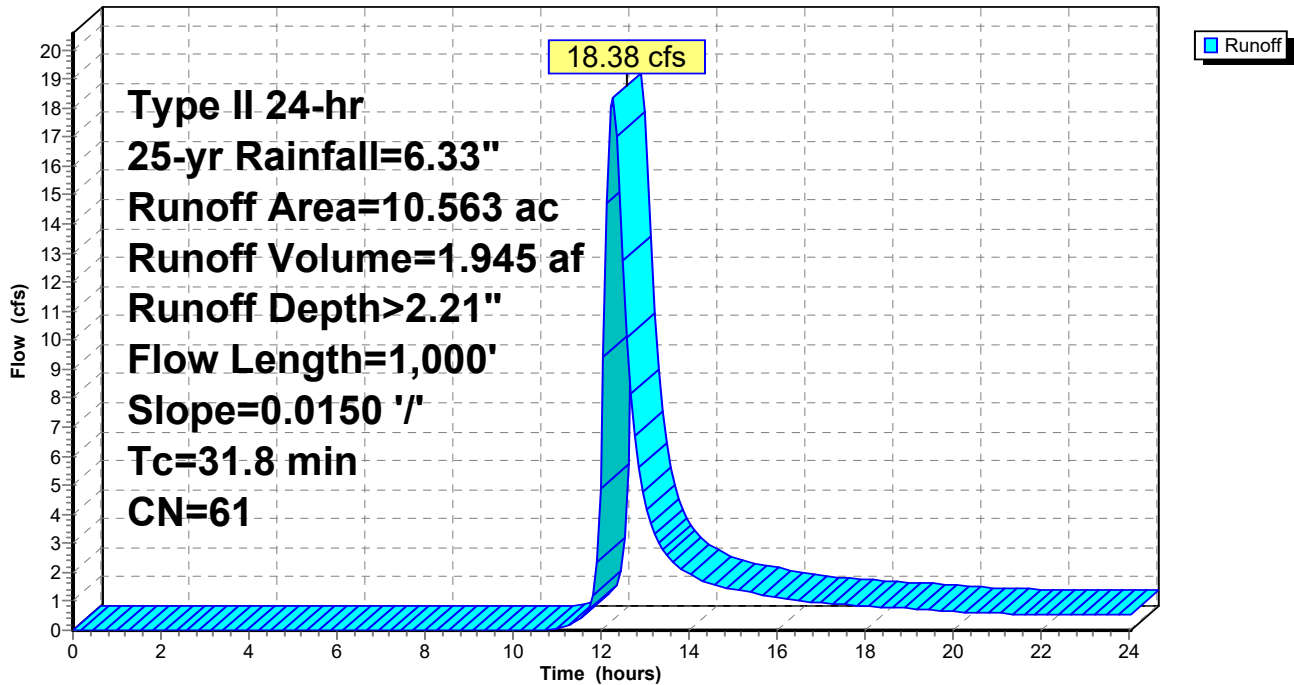
Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-24.03 hrs, dt= 0.09 hrs
Type II 24-hr 25-yr Rainfall=6.33"

Area (ac)	CN	Description
10.563	61	Pasture/grassland/range, Good, HSG B
10.563		100.00% Pervious Area

Tc (min)	Length (feet)	Slope (ft/ft)	Velocity (ft/sec)	Capacity (cfs)	Description
14.3	100	0.0150	0.12		Sheet Flow, Sheet flow Grass: Dense n= 0.240 P2= 4.00"
17.5	900	0.0150	0.86		Shallow Concentrated Flow, Shallow concentrated Short Grass Pasture Kv= 7.0 fps
31.8	1,000	Total			

Subcatchment 1S: PRE

Hydrograph



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Type II 24-hr 25-yr Rainfall=6.33"

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Summary for Subcatchment 2S: POST 3

Runoff = 18.22 cfs @ 12.19 hrs, Volume= 1.594 af, Depth> 2.39"
 Routed to Pond 5P : (new Pond)

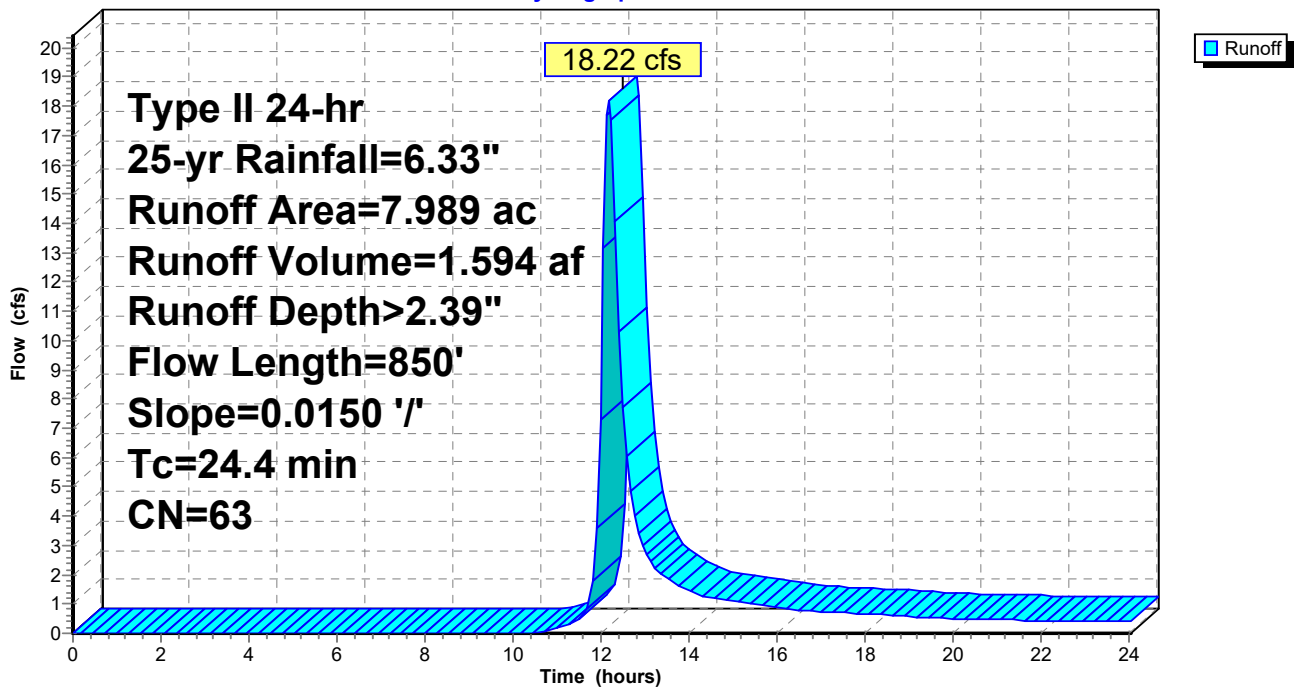
Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-24.03 hrs, dt= 0.09 hrs
 Type II 24-hr 25-yr Rainfall=6.33"

Area (ac)	CN	Description
7.596	61	Pasture/grassland/range, Good, HSG B
* 0.393	98	
7.989	63	Weighted Average
7.596		95.08% Pervious Area
0.393		4.92% Impervious Area

Tc (min)	Length (feet)	Slope (ft/ft)	Velocity (ft/sec)	Capacity (cfs)	Description
9.8	100	0.0150	0.17		Sheet Flow, Sheet Flow Grass: Short n= 0.150 P2= 4.00"
14.6	750	0.0150	0.86		Shallow Concentrated Flow, Shallow Concentrated Short Grass Pasture Kv= 7.0 fps
24.4	850	Total			

Subcatchment 2S: POST 3

Hydrograph



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Type II 24-hr 25-yr Rainfall=6.33"

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Summary for Subcatchment 4S: POST 1

[49] Hint: Tc<2dt may require smaller dt

Runoff = 3.20 cfs @ 11.95 hrs, Volume= 0.157 af, Depth> 3.97"
 Routed to Pond 11P : (new Pond)

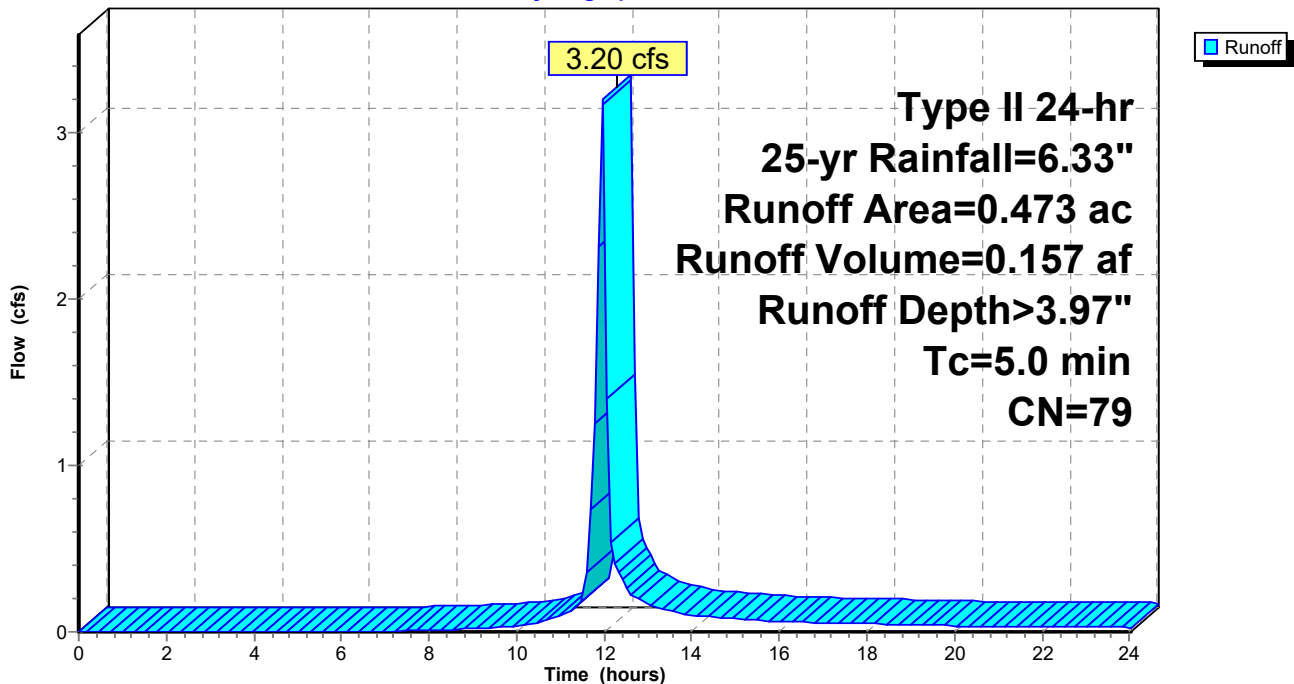
Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-24.03 hrs, dt= 0.09 hrs
 Type II 24-hr 25-yr Rainfall=6.33"

Area (ac)	CN	Description
0.243	61	Pasture/grassland/range, Good, HSG B
* 0.230	98	
0.473	79	Weighted Average
0.243		51.37% Pervious Area
0.230		48.63% Impervious Area

Tc (min)	Length (feet)	Slope (ft/ft)	Velocity (ft/sec)	Capacity (cfs)	Description
5.0					Direct Entry, Assumed

Subcatchment 4S: POST 1

Hydrograph



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Type II 24-hr 25-yr Rainfall=6.33"

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Summary for Subcatchment 7S: POST BYPASS

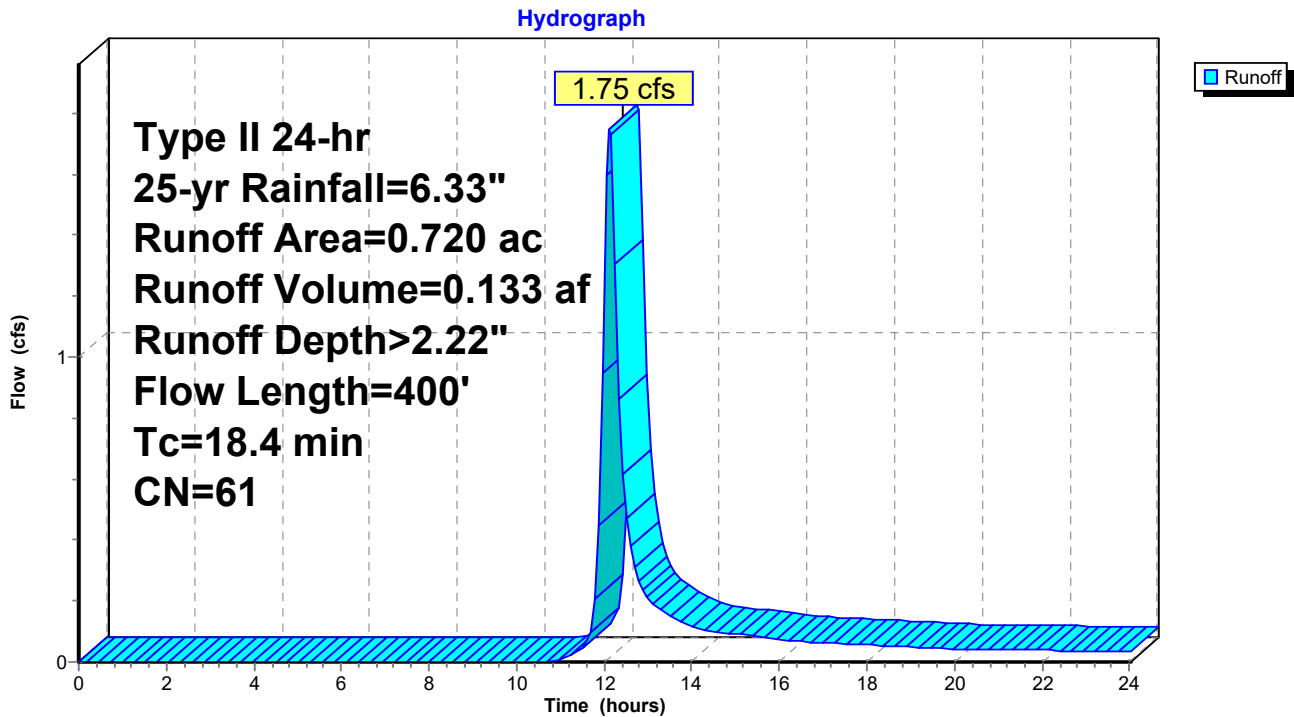
Runoff = 1.75 cfs @ 12.13 hrs, Volume= 0.133 af, Depth> 2.22"
 Routed to Link 6L : outfall

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-24.03 hrs, dt= 0.09 hrs
 Type II 24-hr 25-yr Rainfall=6.33"

Area (ac)	CN	Description
0.720	61	Pasture/grassland/range, Good, HSG B
0.720		100.00% Pervious Area

Tc (min)	Length (feet)	Slope (ft/ft)	Velocity (ft/sec)	Capacity (cfs)	Description
14.3	100	0.0150	0.12		Sheet Flow, Sheet flow Grass: Dense n= 0.240 P2= 4.00"
4.1	300	0.0300	1.21		Shallow Concentrated Flow, Shallow concentrated Short Grass Pasture Kv= 7.0 fps
18.4	400	Total			

Subcatchment 7S: POST BYPASS



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Type II 24-hr 25-yr Rainfall=6.33"

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Summary for Subcatchment 12S: POST 2

[49] Hint: Tc<2dt may require smaller dt

Runoff = 9.90 cfs @ 11.95 hrs, Volume= 0.494 af, Depth> 4.40"
 Routed to Pond 10P : (new Pond)

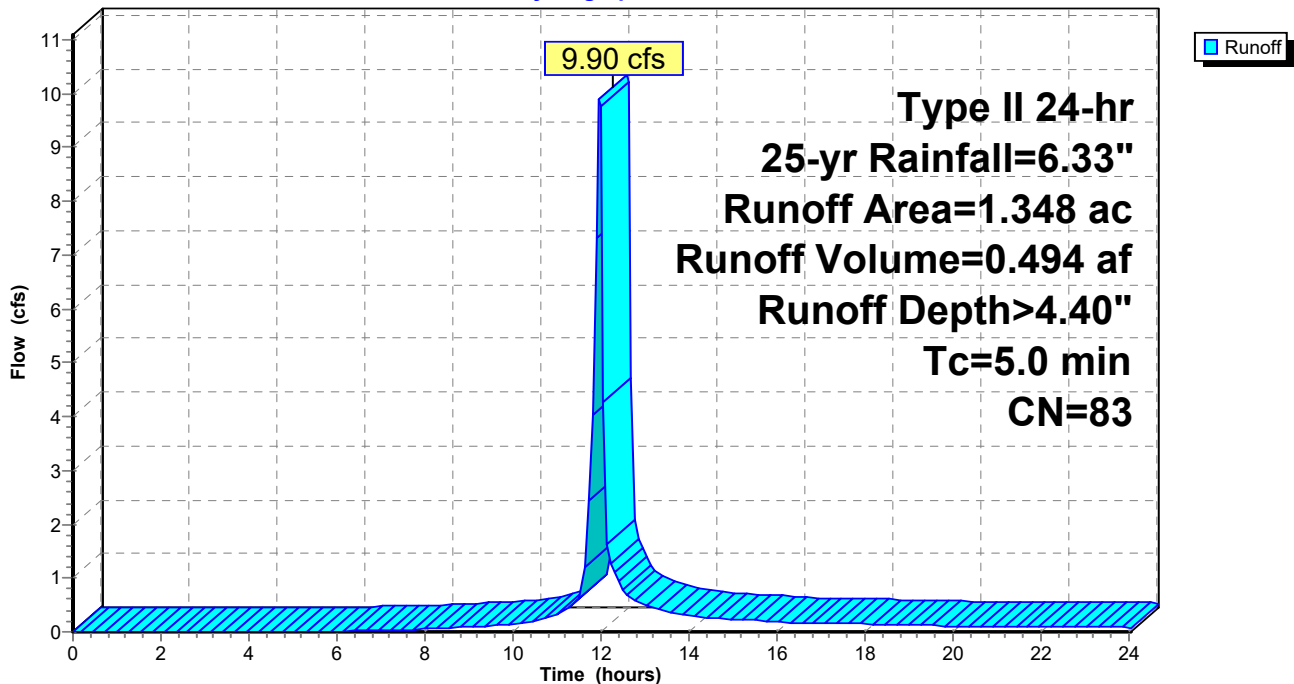
Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-24.03 hrs, dt= 0.09 hrs
 Type II 24-hr 25-yr Rainfall=6.33"

Area (ac)	CN	Description
0.555	61	Pasture/grassland/range, Good, HSG B
* 0.793	98	
1.348	83	Weighted Average
0.555		41.17% Pervious Area
0.793		58.83% Impervious Area

Tc (min)	Length (feet)	Slope (ft/ft)	Velocity (ft/sec)	Capacity (cfs)	Description
5.0					Direct Entry, Assumed

Subcatchment 12S: POST 2

Hydrograph



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Type II 24-hr 25-yr Rainfall=6.33"

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Summary for Pond 5P: (new Pond)

[81] Warning: Exceeded Pond 10P by 0.57' @ 12.60 hrs

Inflow Area = 9.810 ac, 14.43% Impervious, Inflow Depth > 2.75" for 25-yr event
 Inflow = 20.24 cfs @ 11.97 hrs, Volume= 2.245 af
 Outflow = 9.72 cfs @ 12.49 hrs, Volume= 2.209 af, Atten= 52%, Lag= 31.0 min
 Primary = 9.72 cfs @ 12.49 hrs, Volume= 2.209 af
 Routed to Link 6L : outfall

Routing by Stor-Ind method, Time Span= 0.00-24.03 hrs, dt= 0.09 hrs / 3
 Peak Elev= 644.20' @ 12.49 hrs Surf.Area= 24,290 sf Storage= 30,169 cf

Plug-Flow detention time= 54.6 min calculated for 2.209 af (98% of inflow)
 Center-of-Mass det. time= 45.2 min (890.0 - 844.7)

Volume	Invert	Avail.Storage	Storage Description
#1	642.10'	38,158 cf	Custom Stage Data (Prismatic) Listed below (Recalc)

Elevation (feet)	Surf.Area (sq-ft)	Inc.Store (cubic-feet)	Cum.Store (cubic-feet)
642.10	0	0	0
643.00	15,590	7,015	7,015
644.00	21,693	18,642	25,657
644.50	28,311	12,501	38,158

Device	Routing	Invert	Outlet Devices
#1	Primary	642.10'	18.0" Round Culvert L= 6.0' Ke= 1.000 Inlet / Outlet Invert= 642.10' / 642.07' S= 0.0050 '/' Cc= 0.900 n= 0.013, Flow Area= 1.77 sf
#2	Primary	644.00'	10.0' long + 3.0 ' SideZ x 2.0' breadth Broad-Crested Rectangular Weir Head (feet) 0.20 0.40 0.60 0.80 1.00 1.20 1.40 1.60 1.80 2.00 2.50 3.00 3.50 Coef. (English) 2.54 2.61 2.61 2.60 2.66 2.70 2.77 2.89 2.88 2.85 3.07 3.20 3.32

Primary OutFlow Max=9.66 cfs @ 12.49 hrs HW=644.19' (Free Discharge)

↑1=Culvert (Inlet Controls 7.40 cfs @ 4.19 fps)

└2=Broad-Crested Rectangular Weir (Weir Controls 2.26 cfs @ 1.10 fps)

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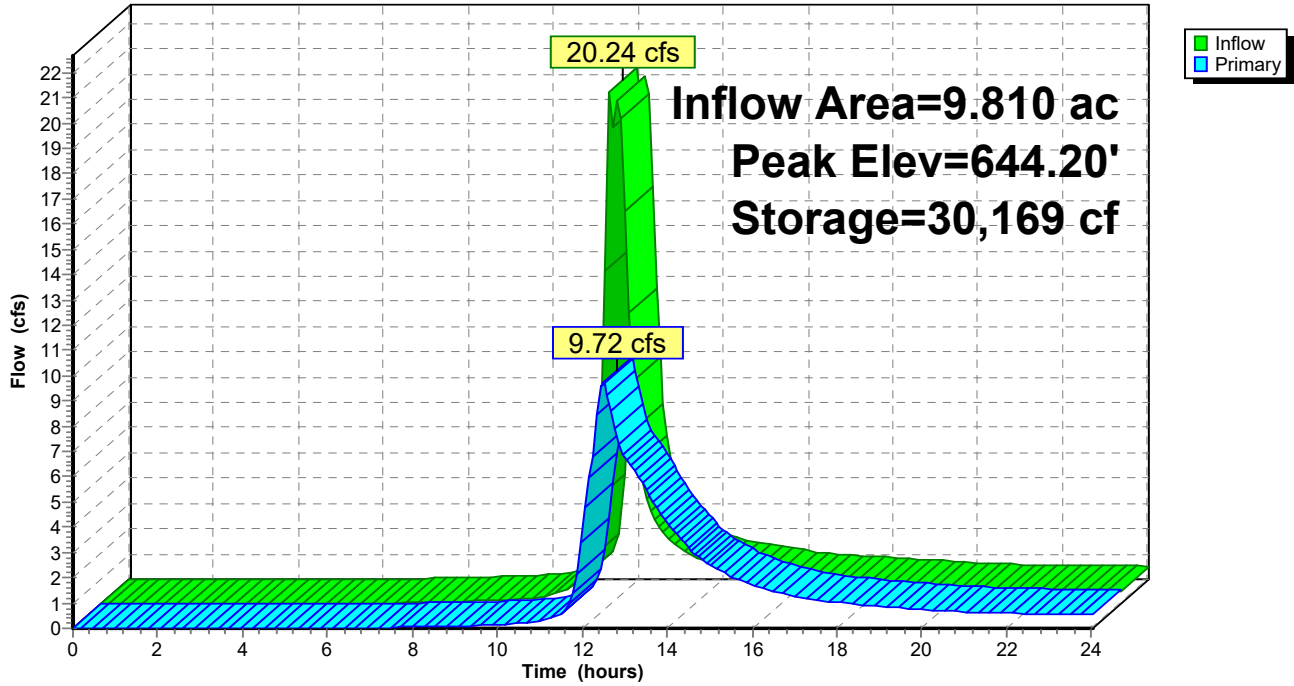
Type II 24-hr 25-yr Rainfall=6.33"

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Pond 5P: (new Pond)

Hydrograph



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Type II 24-hr 25-yr Rainfall=6.33"

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Summary for Pond 10P: (new Pond)

[57] Hint: Peaked at 647.17' (Flood elevation advised)

[79] Warning: Submerged Pond 11P Primary device # 1 INLET by 0.74'

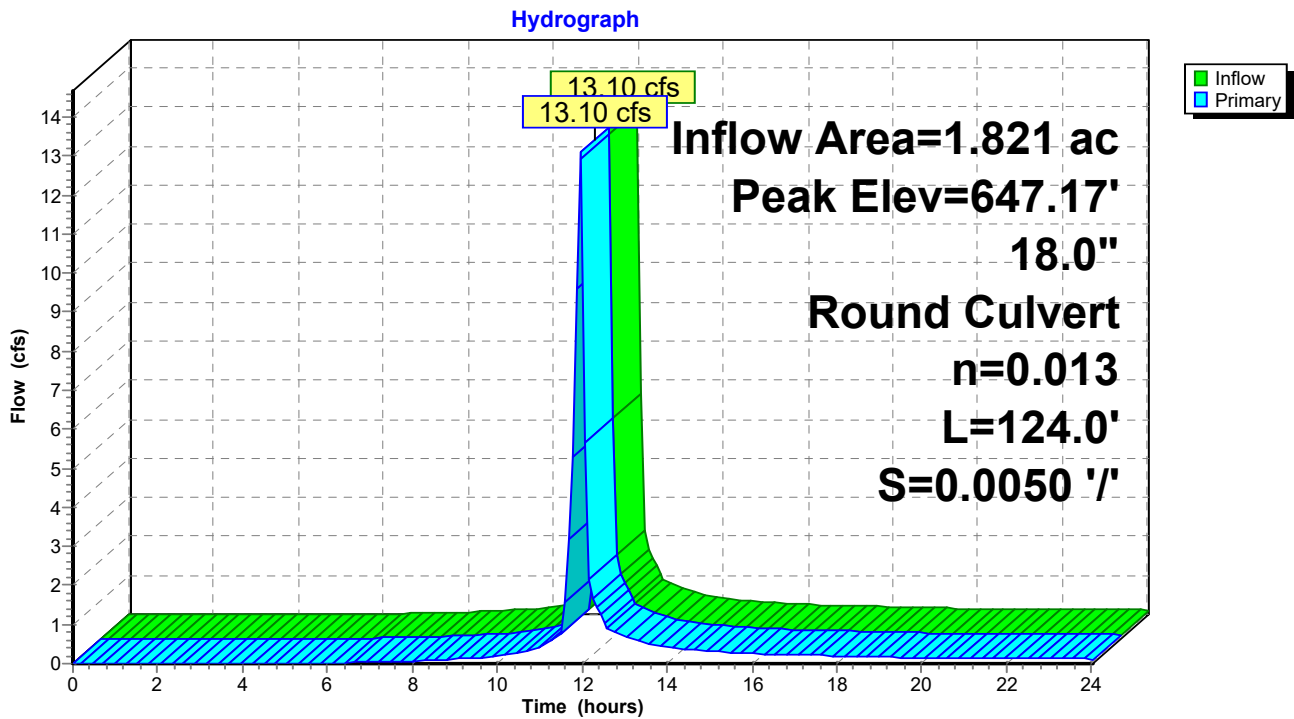
Inflow Area = 1.821 ac, 56.18% Impervious, Inflow Depth > 4.29" for 25-yr event
 Inflow = 13.10 cfs @ 11.95 hrs, Volume= 0.651 af
 Outflow = 13.10 cfs @ 11.95 hrs, Volume= 0.651 af, Atten= 0%, Lag= 0.0 min
 Primary = 13.10 cfs @ 11.95 hrs, Volume= 0.651 af
 Routed to Pond 5P : (new Pond)

Routing by Stor-Ind method, Time Span= 0.00-24.03 hrs, dt= 0.09 hrs
 Peak Elev= 647.17' @ 11.96 hrs

Device #	Routing	Invert	Outlet Devices
#1	Primary	643.12'	18.0" Round Culvert L= 124.0' RCP, square edge headwall, Ke= 0.500 Inlet / Outlet Invert= 643.12' / 642.50' S= 0.0050 '/ Cc= 0.900 n= 0.013, Flow Area= 1.77 sf

Primary OutFlow Max=12.36 cfs @ 11.95 hrs HW=646.86' (Free Discharge)
 ←1=Culvert (Barrel Controls 12.36 cfs @ 7.00 fps)

Pond 10P: (new Pond)



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Type II 24-hr 25-yr Rainfall=6.33"

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Summary for Pond 11P: (new Pond)

[57] Hint: Peaked at 647.44' (Flood elevation advised)

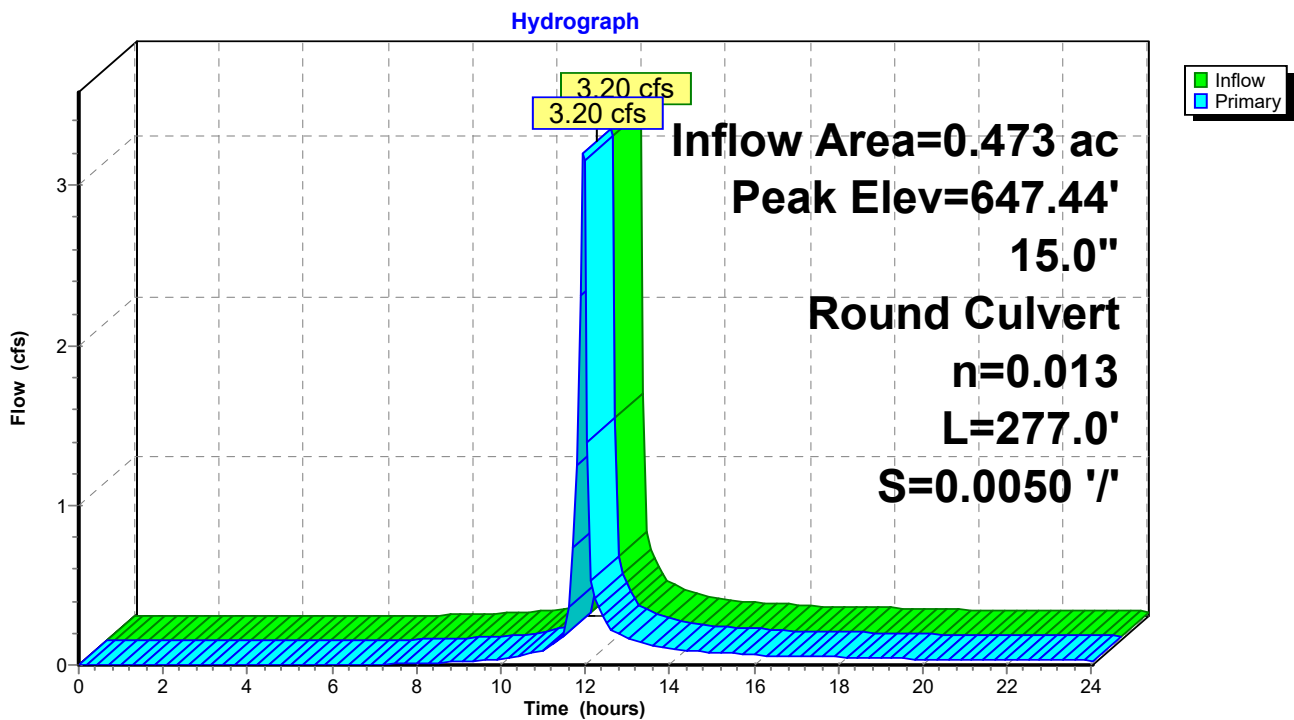
Inflow Area = 0.473 ac, 48.63% Impervious, Inflow Depth > 3.97" for 25-yr event
 Inflow = 3.20 cfs @ 11.95 hrs, Volume= 0.157 af
 Outflow = 3.20 cfs @ 11.95 hrs, Volume= 0.157 af, Atten= 0%, Lag= 0.0 min
 Primary = 3.20 cfs @ 11.95 hrs, Volume= 0.157 af
 Routed to Pond 10P : (new Pond)

Routing by Stor-Ind method, Time Span= 0.00-24.03 hrs, dt= 0.09 hrs
 Peak Elev= 647.44' @ 11.95 hrs

Device #	Routing	Invert	Outlet Devices
1	Primary	646.39'	15.0" Round Culvert L= 277.0' RCP, square edge headwall, Ke= 0.500 Inlet / Outlet Invert= 646.39' / 645.00' S= 0.0050 '/ Cc= 0.900 n= 0.013, Flow Area= 1.23 sf

Primary OutFlow Max=3.01 cfs @ 11.95 hrs HW=647.40' (Free Discharge)
 ←1=Culvert (Barrel Controls 3.01 cfs @ 3.87 fps)

Pond 11P: (new Pond)



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Type II 24-hr 25-yr Rainfall=6.33"

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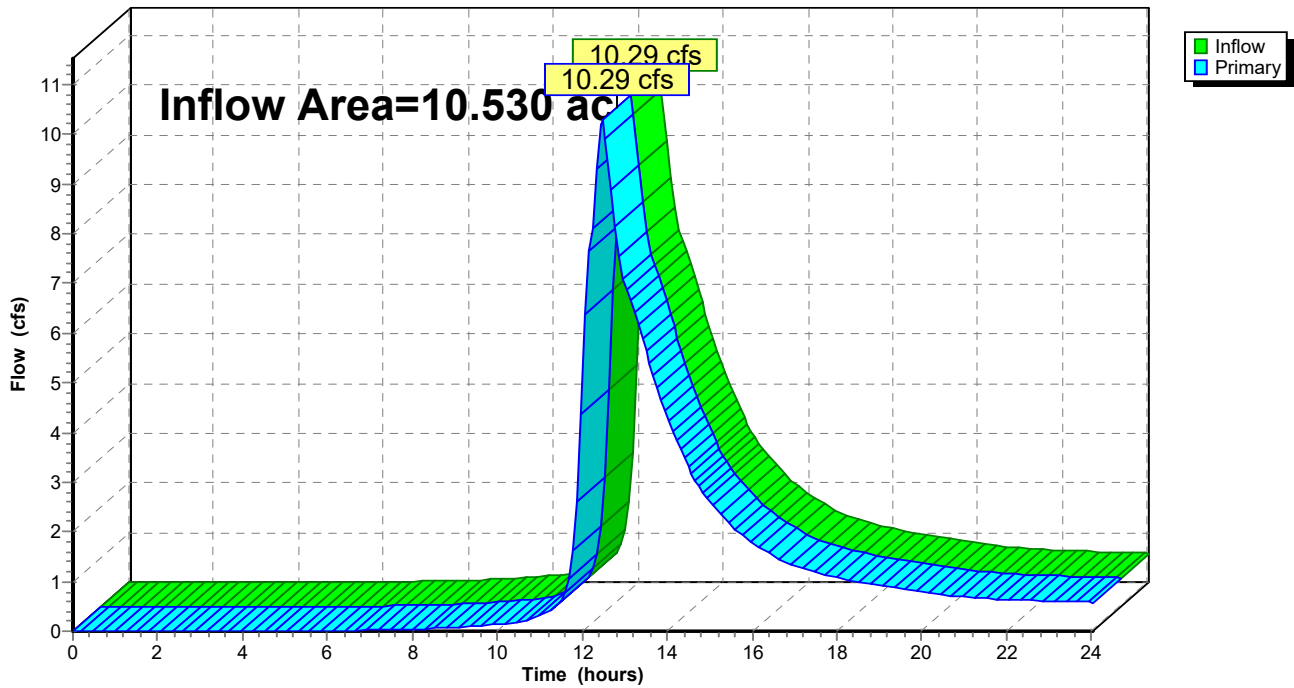
Summary for Link 6L: outfall

Inflow Area = 10.530 ac, 13.45% Impervious, Inflow Depth > 2.67" for 25-yr event
Inflow = 10.29 cfs @ 12.46 hrs, Volume= 2.342 af
Primary = 10.29 cfs @ 12.46 hrs, Volume= 2.342 af, Atten= 0%, Lag= 0.0 min

Primary outflow = Inflow, Time Span= 0.00-24.03 hrs, dt= 0.09 hrs

Link 6L: outfall

Hydrograph



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Type II 24-hr 100-yr Rainfall=7.82"

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Time span=0.00-24.00 hrs, dt=0.09 hrs, 268 points
 Runoff by SCS TR-20 method, UH=SCS, Weighted-CN
 Reach routing by Stor-Ind+Trans method - Pond routing by Stor-Ind method

Subcatchment1S: PRE Runoff Area=10.563 ac 0.00% Impervious Runoff Depth>3.28"
 Flow Length=1,000' Slope=0.0150 '/' Tc=31.8 min CN=61 Runoff=28.31 cfs 2.888 af

Subcatchment2S: POST 3 Runoff Area=7.989 ac 4.92% Impervious Runoff Depth>3.51"
 Flow Length=850' Slope=0.0150 '/' Tc=24.4 min CN=63 Runoff=27.25 cfs 2.335 af

Subcatchment4S: POST 1 Runoff Area=0.473 ac 48.63% Impervious Runoff Depth>5.34"
 Tc=5.0 min CN=79 Runoff=4.23 cfs 0.210 af

Subcatchment7S: POST BYPASS Runoff Area=0.720 ac 0.00% Impervious Runoff Depth>3.29"
 Flow Length=400' Tc=18.4 min CN=61 Runoff=2.66 cfs 0.198 af

Subcatchment12S: POST 2 Runoff Area=1.348 ac 58.83% Impervious Runoff Depth>5.80"
 Tc=5.0 min CN=83 Runoff=12.85 cfs 0.652 af

Pond 5P: (new Pond) Peak Elev=644.72' Storage=38,158 cf Inflow=29.46 cfs 3.197 af
 Outflow=27.21 cfs 3.192 af

Pond 10P: (new Pond) Peak Elev=649.39' Inflow=17.09 cfs 0.862 af
 18.0" Round Culvert n=0.013 L=124.0' S=0.0050 '/' Outflow=17.09 cfs 0.862 af

Pond 11P: (new Pond) Peak Elev=647.69' Inflow=4.23 cfs 0.210 af
 15.0" Round Culvert n=0.013 L=277.0' S=0.0050 '/' Outflow=4.23 cfs 0.210 af

Link 6L: outfall Inflow=28.46 cfs 3.389 af
 Primary=28.46 cfs 3.389 af

Total Runoff Area = 21.093 ac Runoff Volume = 6.283 af Average Runoff Depth = 3.57"
93.29% Pervious = 19.677 ac 6.71% Impervious = 1.416 ac

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Type II 24-hr 100-yr Rainfall=7.82"

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Summary for Subcatchment 1S: PRE

Runoff = 28.31 cfs @ 12.28 hrs, Volume= 2.888 af, Depth> 3.28"

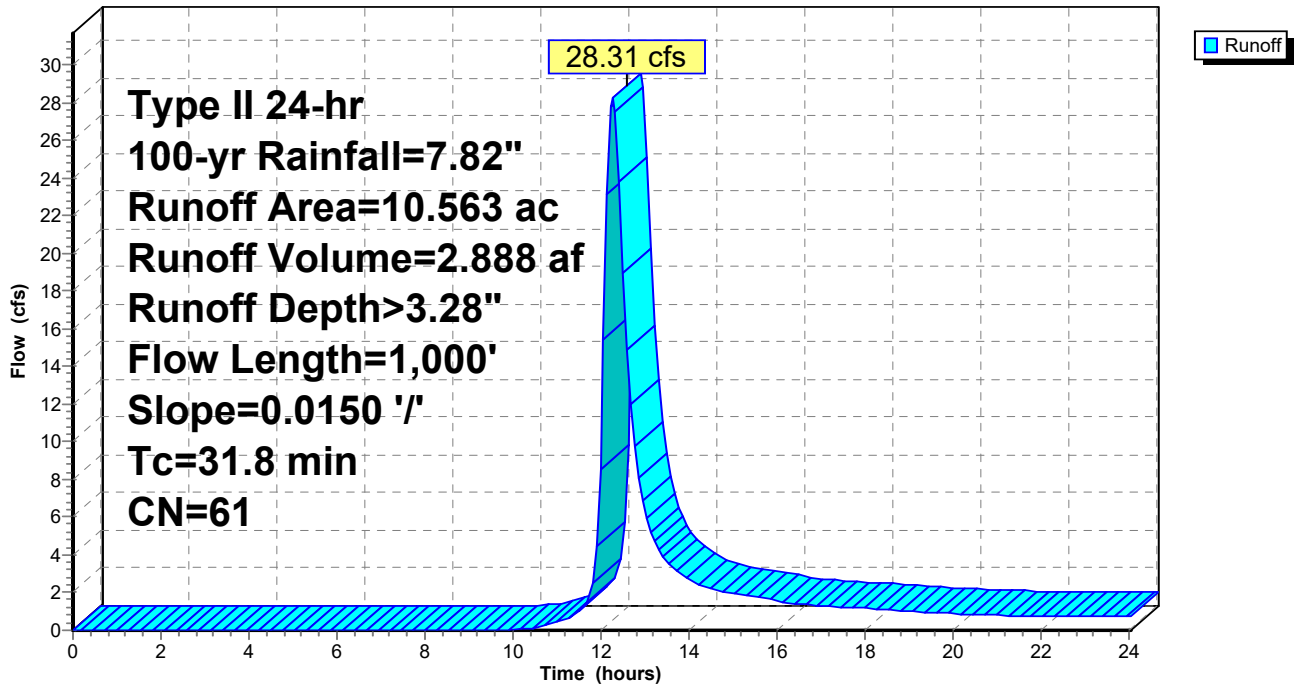
Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-24.03 hrs, dt= 0.09 hrs
Type II 24-hr 100-yr Rainfall=7.82"

Area (ac)	CN	Description
10.563	61	Pasture/grassland/range, Good, HSG B
10.563		100.00% Pervious Area

Tc (min)	Length (feet)	Slope (ft/ft)	Velocity (ft/sec)	Capacity (cfs)	Description
14.3	100	0.0150	0.12		Sheet Flow, Sheet flow Grass: Dense n= 0.240 P2= 4.00"
17.5	900	0.0150	0.86		Shallow Concentrated Flow, Shallow concentrated Short Grass Pasture Kv= 7.0 fps
31.8	1,000	Total			

Subcatchment 1S: PRE

Hydrograph



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Type II 24-hr 100-yr Rainfall=7.82"

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Summary for Subcatchment 2S: POST 3

Runoff = 27.25 cfs @ 12.19 hrs, Volume= 2.335 af, Depth> 3.51"
 Routed to Pond 5P : (new Pond)

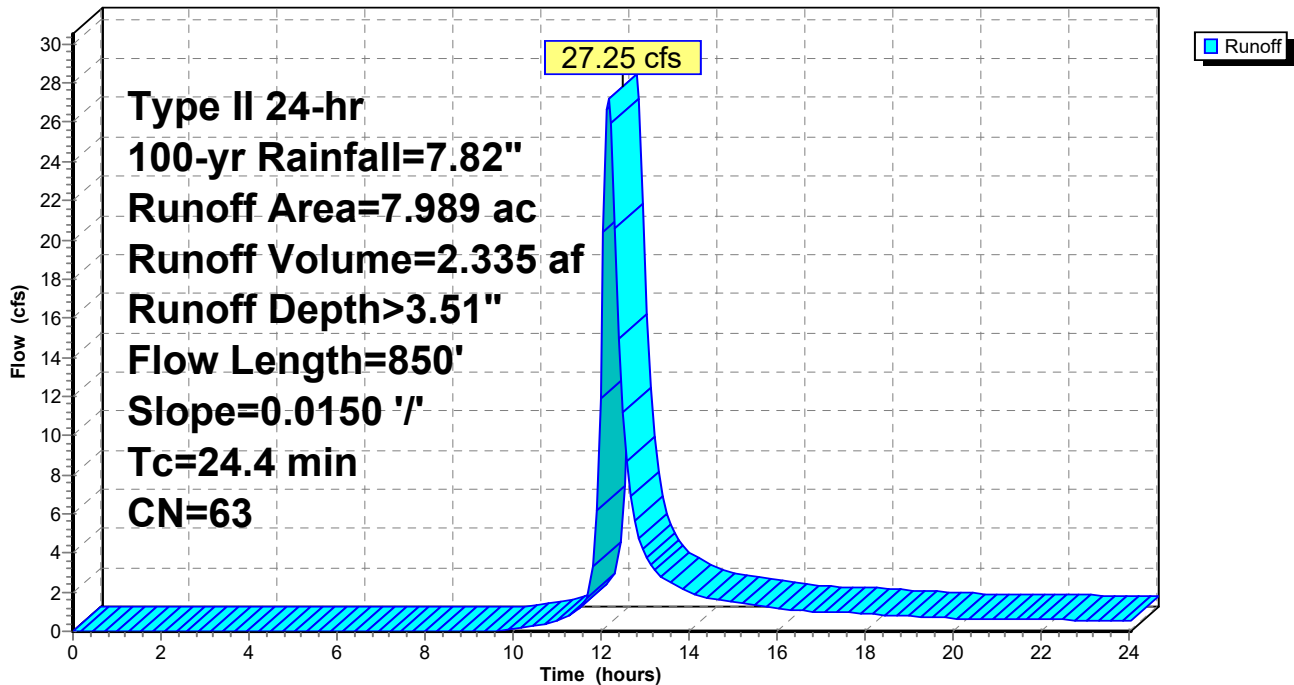
Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-24.03 hrs, dt= 0.09 hrs
 Type II 24-hr 100-yr Rainfall=7.82"

Area (ac)	CN	Description
7.596	61	Pasture/grassland/range, Good, HSG B
* 0.393	98	
7.989	63	Weighted Average
7.596		95.08% Pervious Area
0.393		4.92% Impervious Area

Tc (min)	Length (feet)	Slope (ft/ft)	Velocity (ft/sec)	Capacity (cfs)	Description
9.8	100	0.0150	0.17		Sheet Flow, Sheet Flow Grass: Short n= 0.150 P2= 4.00"
14.6	750	0.0150	0.86		Shallow Concentrated Flow, Shallow Concentrated Short Grass Pasture Kv= 7.0 fps
24.4	850	Total			

Subcatchment 2S: POST 3

Hydrograph



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Type II 24-hr 100-yr Rainfall=7.82"

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Summary for Subcatchment 4S: POST 1

[49] Hint: Tc<2dt may require smaller dt

Runoff = 4.23 cfs @ 11.95 hrs, Volume= 0.210 af, Depth> 5.34"
 Routed to Pond 11P : (new Pond)

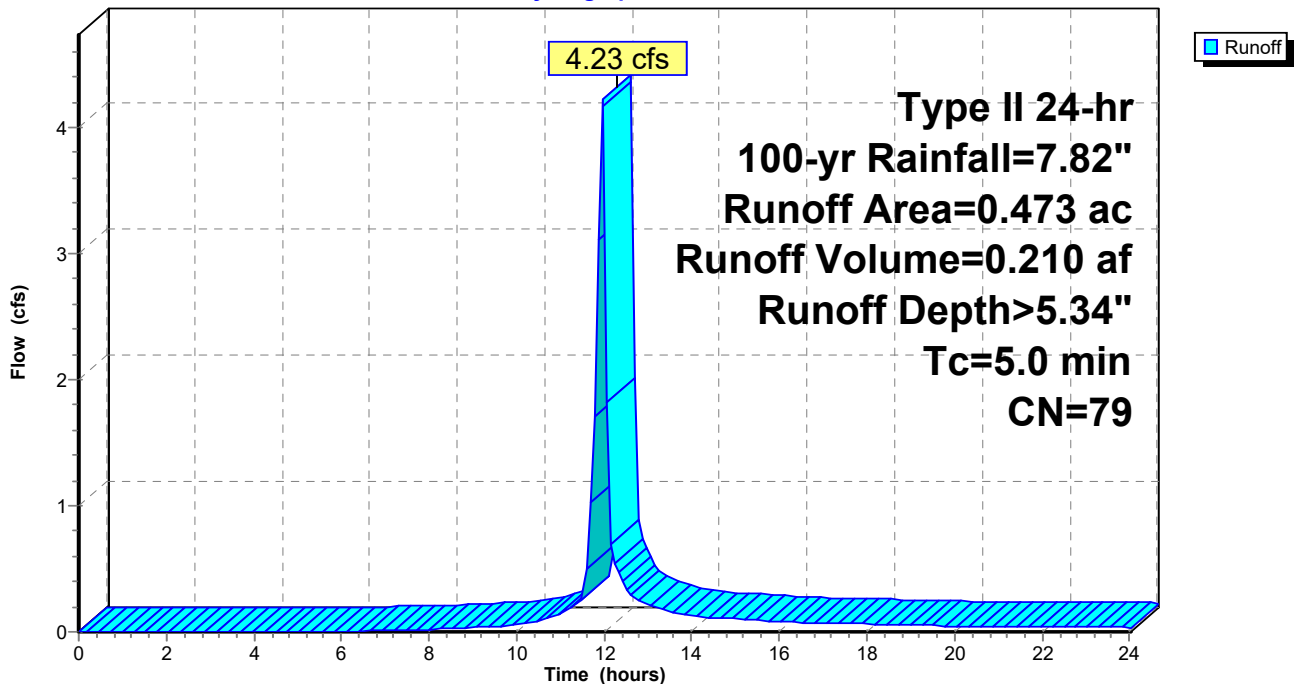
Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-24.03 hrs, dt= 0.09 hrs
 Type II 24-hr 100-yr Rainfall=7.82"

Area (ac)	CN	Description
0.243	61	Pasture/grassland/range, Good, HSG B
* 0.230	98	
0.473	79	Weighted Average
0.243		51.37% Pervious Area
0.230		48.63% Impervious Area

Tc (min)	Length (feet)	Slope (ft/ft)	Velocity (ft/sec)	Capacity (cfs)	Description
5.0					Direct Entry, Assumed

Subcatchment 4S: POST 1

Hydrograph



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Type II 24-hr 100-yr Rainfall=7.82"

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Summary for Subcatchment 7S: POST BYPASS

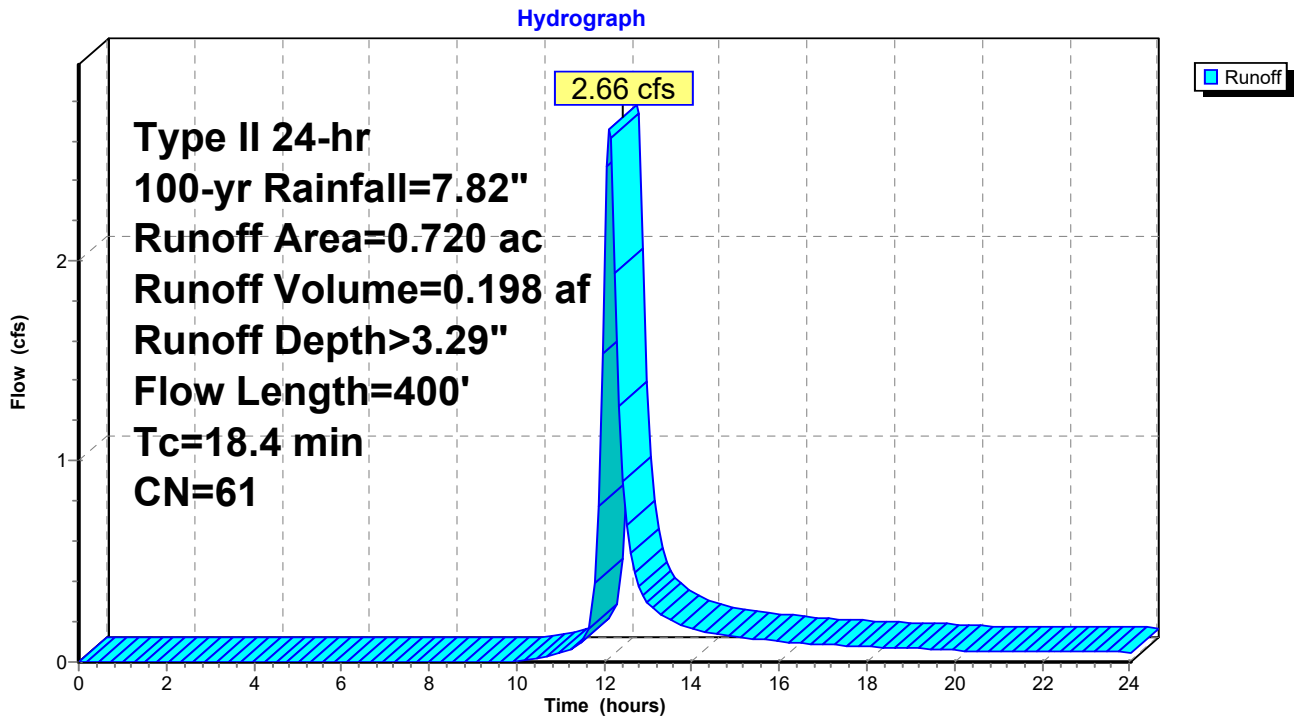
Runoff = 2.66 cfs @ 12.12 hrs, Volume= 0.198 af, Depth> 3.29"
 Routed to Link 6L : outfall

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-24.03 hrs, dt= 0.09 hrs
 Type II 24-hr 100-yr Rainfall=7.82"

Area (ac)	CN	Description
0.720	61	Pasture/grassland/range, Good, HSG B
0.720		100.00% Pervious Area

Tc (min)	Length (feet)	Slope (ft/ft)	Velocity (ft/sec)	Capacity (cfs)	Description
14.3	100	0.0150	0.12		Sheet Flow, Sheet flow Grass: Dense n= 0.240 P2= 4.00"
4.1	300	0.0300	1.21		Shallow Concentrated Flow, Shallow concentrated Short Grass Pasture Kv= 7.0 fps
18.4	400	Total			

Subcatchment 7S: POST BYPASS



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Type II 24-hr 100-yr Rainfall=7.82"

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Summary for Subcatchment 12S: POST 2

[49] Hint: $T_c < 2dt$ may require smaller dt

Runoff = 12.85 cfs @ 11.95 hrs, Volume= 0.652 af, Depth> 5.80"
 Routed to Pond 10P : (new Pond)

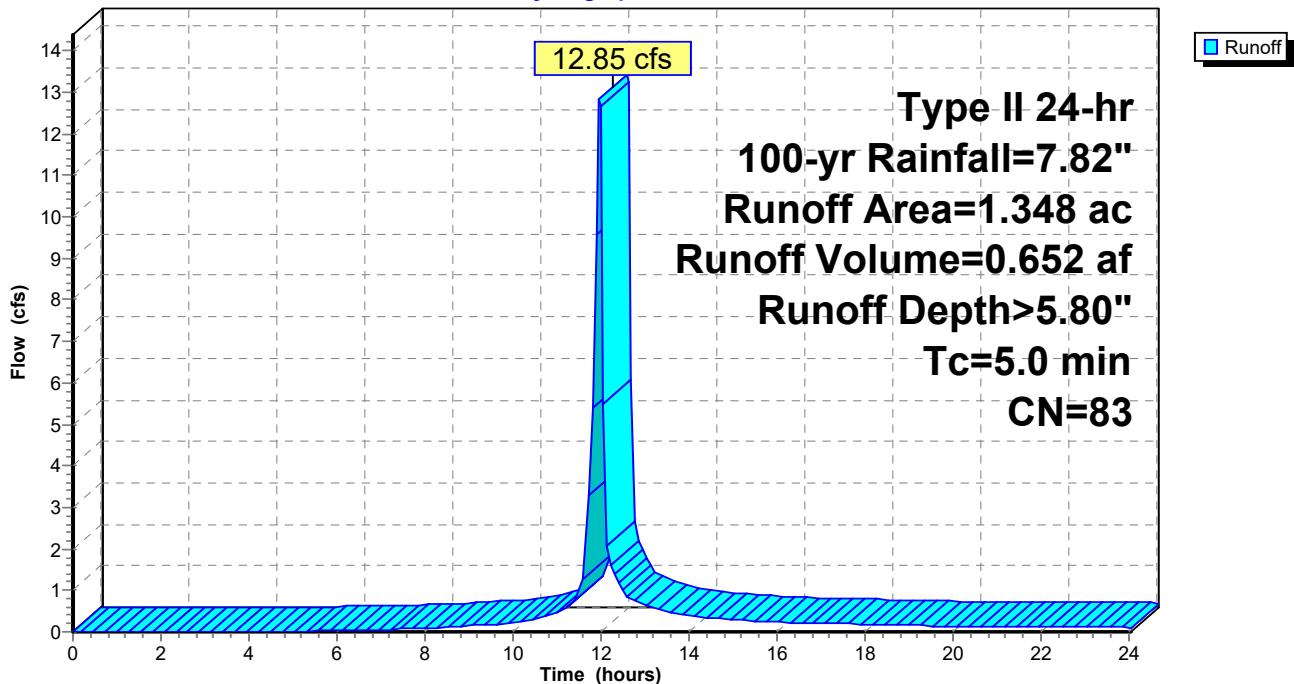
Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-24.03 hrs, $dt= 0.09$ hrs
 Type II 24-hr 100-yr Rainfall=7.82"

Area (ac)	CN	Description
0.555	61	Pasture/grassland/range, Good, HSG B
* 0.793	98	
1.348	83	Weighted Average
0.555		41.17% Pervious Area
0.793		58.83% Impervious Area

Tc (min)	Length (feet)	Slope (ft/ft)	Velocity (ft/sec)	Capacity (cfs)	Description
5.0					Direct Entry, Assumed

Subcatchment 12S: POST 2

Hydrograph



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Type II 24-hr 100-yr Rainfall=7.82"

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Summary for Pond 5P: (new Pond)

[93] Warning: Storage range exceeded by 0.22'

[81] Warning: Exceeded Pond 10P by 0.89' @ 12.33 hrs

Inflow Area = 9.810 ac, 14.43% Impervious, Inflow Depth > 3.91" for 100-yr event
 Inflow = 29.46 cfs @ 12.16 hrs, Volume= 3.197 af
 Outflow = 27.21 cfs @ 12.34 hrs, Volume= 3.192 af, Atten= 8%, Lag= 10.8 min
 Primary = 27.21 cfs @ 12.34 hrs, Volume= 3.192 af
 Routed to Link 6L : outfall

Routing by Stor-Ind method, Time Span= 0.00-24.03 hrs, dt= 0.09 hrs / 3
 Peak Elev= 644.72' @ 12.34 hrs Surf.Area= 28,311 sf Storage= 38,158 cf

Plug-Flow detention time= 39.9 min calculated for 3.180 af (99% of inflow)
 Center-of-Mass det. time= 38.8 min (874.6 - 835.8)

Volume	Invert	Avail.Storage	Storage Description
#1	642.10'	38,158 cf	Custom Stage Data (Prismatic) Listed below (Recalc)

Elevation (feet)	Surf.Area (sq-ft)	Inc.Store (cubic-feet)	Cum.Store (cubic-feet)
642.10	0	0	0
643.00	15,590	7,015	7,015
644.00	21,693	18,642	25,657
644.50	28,311	12,501	38,158

Device	Routing	Invert	Outlet Devices
#1	Primary	642.10'	18.0" Round Culvert L= 6.0' Ke= 1.000 Inlet / Outlet Invert= 642.10' / 642.07' S= 0.0050 '/' Cc= 0.900 n= 0.013, Flow Area= 1.77 sf
#2	Primary	644.00'	10.0' long + 3.0 ' SideZ x 2.0' breadth Broad-Crested Rectangular Weir Head (feet) 0.20 0.40 0.60 0.80 1.00 1.20 1.40 1.60 1.80 2.00 2.50 3.00 3.50 Coef. (English) 2.54 2.61 2.61 2.60 2.66 2.70 2.77 2.89 2.88 2.85 3.07 3.20 3.32

Primary OutFlow Max=26.62 cfs @ 12.34 hrs HW=644.70' (Free Discharge)

1=Culvert (Inlet Controls 8.69 cfs @ 4.92 fps)

2=Broad-Crested Rectangular Weir (Weir Controls 17.94 cfs @ 2.11 fps)

lineage metals

Prepared by Somers Consulting Services LLC

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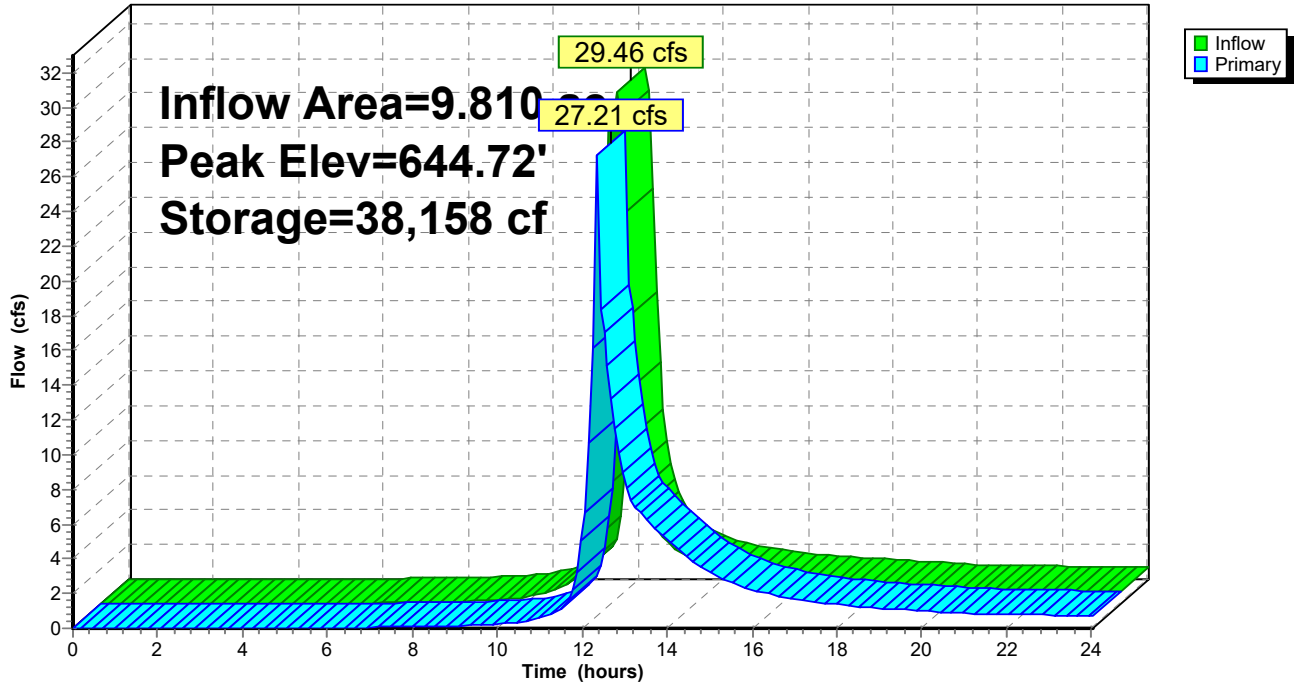
Type II 24-hr 100-yr Rainfall=7.82"

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Pond 5P: (new Pond)

Hydrograph



lineage metals

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Type II 24-hr 100-yr Rainfall=7.82"

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Summary for Pond 10P: (new Pond)

[57] Hint: Peaked at 649.39' (Flood elevation advised)

[81] Warning: Exceeded Pond 11P by 1.63' @ 11.97 hrs

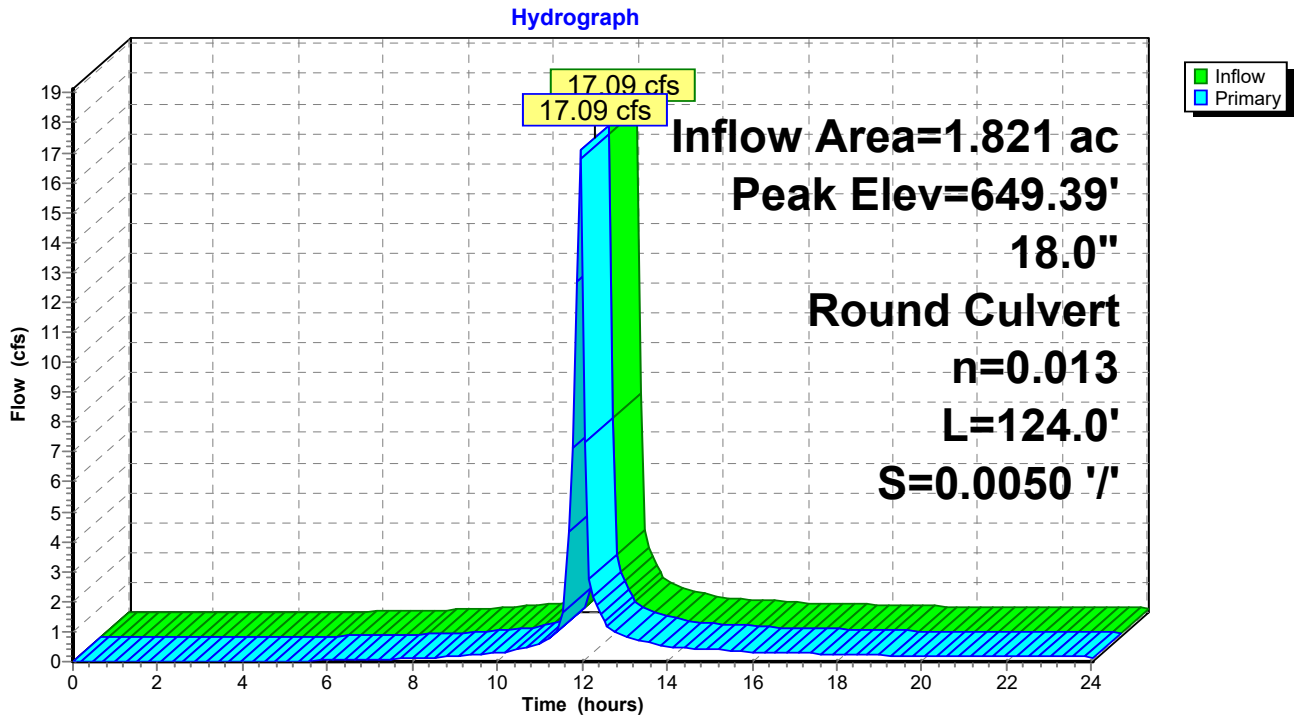
Inflow Area = 1.821 ac, 56.18% Impervious, Inflow Depth > 5.68" for 100-yr event
 Inflow = 17.09 cfs @ 11.95 hrs, Volume= 0.862 af
 Outflow = 17.09 cfs @ 11.95 hrs, Volume= 0.862 af, Atten= 0%, Lag= 0.0 min
 Primary = 17.09 cfs @ 11.95 hrs, Volume= 0.862 af
 Routed to Pond 5P : (new Pond)

Routing by Stor-Ind method, Time Span= 0.00-24.03 hrs, dt= 0.09 hrs
 Peak Elev= 649.39' @ 11.96 hrs

Device #	Routing	Invert	Outlet Devices
#1	Primary	643.12'	18.0" Round Culvert L= 124.0' RCP, square edge headwall, Ke= 0.500 Inlet / Outlet Invert= 643.12' / 642.50' S= 0.0050 '/ Cc= 0.900 n= 0.013, Flow Area= 1.77 sf

Primary OutFlow Max=16.09 cfs @ 11.95 hrs HW=648.85' (Free Discharge)
 ←1=Culvert (Barrel Controls 16.09 cfs @ 9.10 fps)

Pond 10P: (new Pond)



lineage metals

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Type II 24-hr 100-yr Rainfall=7.82"

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Summary for Pond 11P: (new Pond)

[57] Hint: Peaked at 647.69' (Flood elevation advised)

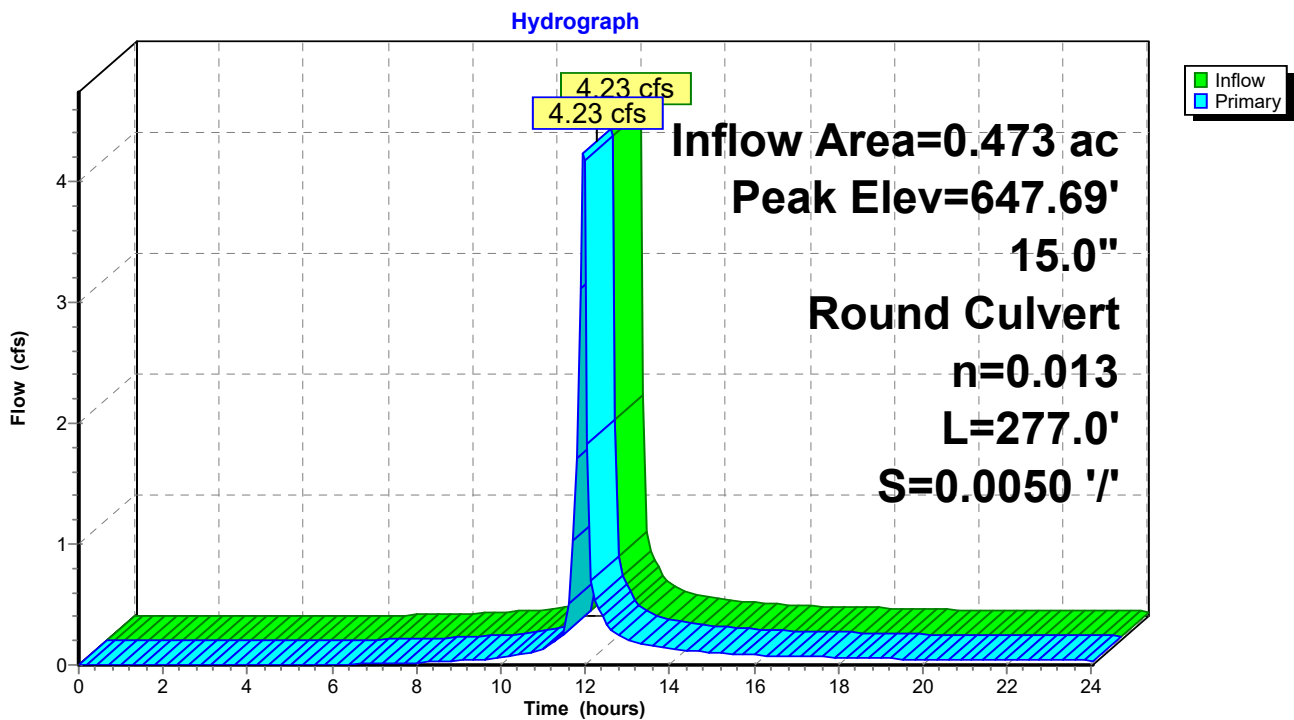
Inflow Area = 0.473 ac, 48.63% Impervious, Inflow Depth > 5.34" for 100-yr event
 Inflow = 4.23 cfs @ 11.95 hrs, Volume= 0.210 af
 Outflow = 4.23 cfs @ 11.95 hrs, Volume= 0.210 af, Atten= 0%, Lag= 0.0 min
 Primary = 4.23 cfs @ 11.95 hrs, Volume= 0.210 af
 Routed to Pond 10P : (new Pond)

Routing by Stor-Ind method, Time Span= 0.00-24.03 hrs, dt= 0.09 hrs
 Peak Elev= 647.69' @ 11.95 hrs

Device #	Routing	Invert	Outlet Devices
1	Primary	646.39'	15.0" Round Culvert L= 277.0' RCP, square edge headwall, Ke= 0.500 Inlet / Outlet Invert= 646.39' / 645.00' S= 0.0050 '/ Cc= 0.900 n= 0.013, Flow Area= 1.23 sf

Primary OutFlow Max=3.99 cfs @ 11.95 hrs HW=647.63' (Free Discharge)
 ←1=Culvert (Barrel Controls 3.99 cfs @ 4.09 fps)

Pond 11P: (new Pond)



lineage metals

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Type II 24-hr 100-yr Rainfall=7.82"

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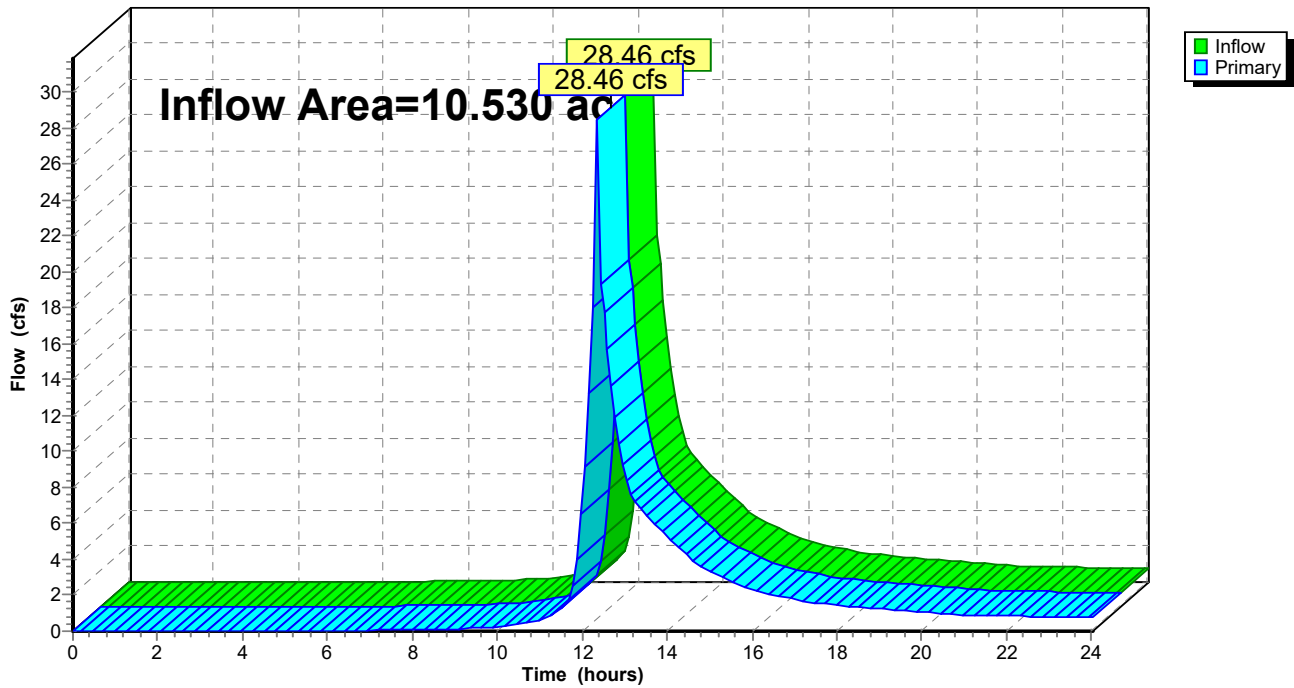
Summary for Link 6L: outfall

Inflow Area = 10.530 ac, 13.45% Impervious, Inflow Depth > 3.86" for 100-yr event
Inflow = 28.46 cfs @ 12.33 hrs, Volume= 3.389 af
Primary = 28.46 cfs @ 12.33 hrs, Volume= 3.389 af, Atten= 0%, Lag= 0.0 min

Primary outflow = Inflow, Time Span= 0.00-24.03 hrs, dt= 0.09 hrs

Link 6L: outfall

Hydrograph





LINEAGE METALS - CHERRY GLEN INDUSTRIAL PARK

MAURY COUNTY, TN MT. PLEASANT STORM WATER POLLUTION PREVENTION PLAN (SWPPP)

SWPPP PREPARED ON 05/01/26

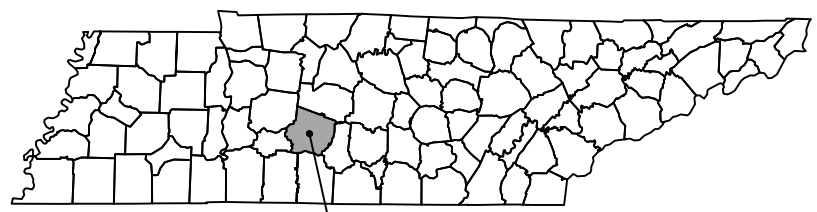
SWPPP INDEX OF SHEETS

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NOTE: CITATIONS IN PARENTHESIS INDICATE SECTIONS OF THE CURRENT CGP.



LOCATION MAP
1" = 1000'



THIS PROJECT IS LOCATED IN MAURY COUNTY

THIS SITE IS LOCATED WITHIN PRIORITY WATERSHED IN THE LOWER DUCK RIVER WATERSHED.
RUNOFF FROM THIS SITE DISCHARGES INTO SUGAR FORK.
TOTAL PARCEL AREA = 6.85 AC
DISTURBED AREA = 2.84 AC



REVISIONS		
NO.	DESCRIPTION	DATE

LINEAGE METALS - CHERRY GLEN INDUSTRIAL PARK
JOE FRANK PORTER ROAD
MT. PLEASANT, TN 38474

MAY 29, 2026

SOMERS CONSULTING SERVICES, LLC.
ANDY SOMERS, P.E.
(256) 603-4888
2206 SHADES CREST RD
HUNTSVILLE, AL 35801

HILL CONSTRUCTION, LLC
(256) 710-7333
1117 NORTH LOCUST AVENUE
LAWRENCEBURG, TN 38464

DRAWN: AG
CHECKED: AS

SHEET NAME:
COVER

SCALE: NO SCALE
SHEET NO: 1 OF 12



1. SWPPP REQUIREMENTS (5.0.)

- 1.1. HAS THE SWPPP TEMPLATE BEEN PREPARED BY AN INDIVIDUAL THAT HAS THE FOLLOWING LICENSING AND/OR CERTIFICATIONS (5.2)?
 YES (CHECK ALL THAT APPLY BELOW) OR NO
 CERTIFIED PROFESSIONAL IN EROSION AND SEDIMENT CONTROL (CPESC)
 A TN LICENSED PROFESSIONAL ENGINEER OR LANDSCAPE ARCHITECT
 HAS SUCCESSFULLY COMPLETED TDEC LEVEL II COURSE

- 1.2. DO THE EPSC PLANS INVOLVE STRUCTURAL DESIGN, HYDRAULIC, HYDROLOGIC OR OTHER ENGINEERING CALCULATIONS FOR EPSC STRUCTURAL MEASURES (E.G. SEDIMENT BASINS) (5.2)? YES NO
 IF YES, HAVE THE EPSC PLANS BEEN PREPARED, STAMPED AND CERTIFIED BY A TN LICENSED PROFESSIONAL ENGINEER OR LANDSCAPE ARCHITECT? YES NO

- 1.3. DO THE PROJECT STORMWATER OUTFALLS DISCHARGE INTO THE FOLLOWING (6.4.1.)? YES (CHECK ALL THAT APPLY BELOW) NO
 WATERS WITH UNAVAILABLE PARAMETERS (303d FOR SILTATION)
 EXCEPTIONAL TENNESSEE WATERS (ETW)

2. SITE DESCRIPTION (5.5.1.)

- 2.1. PROJECT LIMITS (5.5.1.f): REFER TO TITLE SHEET
 2.2. TOTAL PROJECT AREA (5.5.1.b): 6.85 ACRES
 2.3. TOTAL AREA TO BE DISTURBED (5.5.1.b): 2.84 ACRES
 2.4. PROJECT DESCRIPTION (5.5.1.a): COMMERCIAL SITE
 TITLE: LINEAGE METALS - CHERRY GLEN INDUSTRIAL PARK
 COUNTY: MAURY
 2.5. SITE MAP(S) (3.2.2.): REFER TO TITLE SHEET
 2.6. DESCRIPTION OF EXISTING SITE TOPOGRAPHY (5.5.1.c): REFER TO EXISTING CONTOURS SHEET(S) C-100, SITE LOCATION MAP, AND THE OUTFALL TABLE IN SECTION 4.2.
 2.7. IF THE PROJECT WILL EXCEED 50 ACRES OF DISTURBANCE AT ANY POINT DURING THE LIFESPAN OF THE PROJECT THE FOLLOWING CONDITIONS MUST BE MET (5.5.3.3)
 2.7.1. TDEC SHALL BE NOTIFIED. (5.5.3.3.a)
 2.7.2. A GEOSPATIAL FILE IDENTIFYING THE PROJECT AREAS BOUNDARIES SHALL BE SUBMITTED TO TDEC. (5.5.3.3.e)
 2.7.3. A MONITORING PLAN SHALL BE PREPARED FOR OUTFALLS DRAINING 10 OR MORE ACRES, OR 5 ACRES IF DRAINING TO WATERS WITH UNAVAILABLE PARAMETERS (303d SILTATION) OR AN ETW. (5.5.3.3.f)
 2.7.4. SITE ASSESSMENTS SHALL BE CONDUCTED ON A QUARTERLY BASIS (5.5.3.3.b AND 5.5.3.8).
 2.7.5. INSPECTIONS SHALL BE CONDUCTED TWICE PER WEEK AND FOLLOWING ANY RAINFALL EVENT OF MORE THAN 0.5 INCHES IN 24 HOURS (5.5.3.3.c AND 5.5.3.9).

2.8. MAJOR SOIL DISTURBING ACTIVITIES (5.5.1.a) (CHECK ALL THAT APPLY):

- CLEARING AND GRUBBING
 EXCAVATION
 CUTTING AND FILLING
 FINAL GRADING AND SHAPING
 UTILITIES
 OTHER (DESCRIBE): _____

- 2.9. ARE THERE ANY SEASONAL LIMITATIONS ON WORK? YES NO
 IF YES, LIST THE CORRESPONDING PLAN SHEET: _____

2.10. SOIL PROPERTIES (5.5.1.d, 5.5.3.3.d, 5.5.3.6.b).

SOIL PROPERTIES FOR THE PRIMARY SOILS ARE LISTED IN THE TABLE BELOW.

SOIL PROPERTIES			
PRIMARY SOIL NAME	HSG	% OF SITE	ERODIBILITY (K VALUE)
ARMOUR SILT LOAM, ERODED GENTLY SLOPING PHASE	B	46.5%	0.37
GODWIN SILT LOAM	C/D	1.1%	0.32
MAURY SILT LOAM, ERODED GENTLY SLOPING PHASE	A	22.7%	0.32
MAURY SILTY CLAY LOAM, ERODED SLOPING PHASE	A	28.7%	0.28

2.11. PROJECT RUNOFF COEFFICIENTS AND AREA PERCENTAGES (5.5.3.6.a).

RUNOFF COEFFICIENTS FOR EXISTING CONDITIONS				
AREA TYPE	AREA (AC)	PERCENTAGE OF TOTAL AREA (%)	RUNOFF CN	C FACTOR
IMPERVIOUS	0	0	N/A	N/A
PERVIOUS	10.563	100%	61	N/A
WEIGHTED CURVE NUMBER OR C-FACTOR =			61	

RUNOFF COEFFICIENTS FOR POST-CONSTRUCTION CONDITIONS				
AREA TYPE	AREA (AC)	PERCENTAGE OF TOTAL AREA (%)	RUNOFF CN	C FACTOR
IMPERVIOUS	1.416	6.71%	95	N/A
PERVIOUS	19.677	93.29%	61	N/A
WEIGHTED CURVE NUMBER OR C-FACTOR =			63	

3. ORDER OF CONSTRUCTION ACTIVITIES (5.5.1.a)

CONSTRUCTION SHALL BE SEQUENCED AND STAGED TO: MINIMIZE THE EXPOSURE TIME OF GRADED OR DENUDED SOIL AREAS, PRESERVE TOPSOIL, AND MINIMIZE SOIL COMPACTION. NO WORK SHALL BE STARTED UNTIL THE CONTRACTOR'S PLAN FOR THE STAGING OF THEIR OPERATIONS, INCLUDING THE PLAN FOR STAGING OF TEMPORARY AND PERMANENT EPSC MEASURES, HAS BEEN ACCEPTED BY THE ENGINEER. THE CONTRACTOR'S EPSC PLAN SHALL INCORPORATE AND SUPPLEMENT, AS ACCEPTABLE, THE ORDER OF CONSTRUCTION ACTIVITIES AND THE BASIC EPSC DEVICES DEPICTED ON THE EPSC PLAN CONTAINED WITHIN THE APPROVED SWPPP.

- 3.1. SPECIAL SEQUENCING REQUIREMENTS (SEE SHEETS C-100- C-102)
 3.2. INSTALL STABILIZED CONSTRUCTION EXITS.
 3.3. INSTALL PERIMETER PROTECTION WHERE RUNOFF SHEET FLOWS FROM THE SITE.
 3.4. INSTALL INITIAL EPSC MEASURES BEFORE CLEARING, GRUBBING, EXCAVATION, GRADING, CULVERT OR BRIDGE CONSTRUCTION, CUTTING, FILLING, OR ANY OTHER EARTHWORK OCCURS, EXCEPT AS SUCH WORK MAY BE NECESSARY TO INSTALL EPSC MEASURES.


- 3.5. PERFORM CLEARING AND GRUBBING (NOT MORE THAN TWO WEEKS PRIOR TO GRADING OR EARTH-MOVING. REFER TO THE STABILIZATION PRACTICES BELOW.).
 3.6. REMOVE AND STORE TOPSOIL.
 3.7. STABILIZE DISTURBED AREAS WITHIN 2 WEEKS OF COMPLETING ANY STAGE AND/OR PHASE OF ACTIVITY (STEEP SLOPES SHALL BE STABILIZED WITHIN 1 WEEK AFTER CONSTRUCTION ACTIVITY HAS TEMPORARY OR PERMANENTLY CEASED).
 3.8. INSTALL UTILITIES, SEWERS, CULVERTS AND BRIDGE STORM STRUCTURES.
 3.9. INSTALL INLET AND CULVERT PROTECTION ONCE STRUCTURES ARE IN PLACE AND CAPABLE OF INTERCEPTING FLOW.
 3.10. PERFORM FINAL GRADING AND INSTALL BASE STONE.
 3.11. COMPLETE FINAL PAVING AND SEALING OF CONCRETE.
 3.12. INSTALL TRAFFIC CONTROL AND PROTECTION DEVICES.
 3.13. COMPLETE FINAL STABILIZATION (TOPSOIL, SEEDING, MULCH, EROSION CONTROL BLANKET, SOD, ETC.)
 3.14. REMOVE TEMPORARY EROSION CONTROLS AND ACCUMULATED SEDIMENT FROM AREAS THAT HAVE ESTABLISHED AT LEAST 70 PERCENT UNIFORM PERMANENT VEGETATIVE COVER.
 3.15. RE-STABILIZE AREAS DISTURBED BY REMOVAL ACTIVITIES.

4. STREAM, OUTFALL, WETLAND, TMDL AND ECOLOGY INFORMATION

4.1. STREAM INFORMATION (5.5.1.h, 5.5.1.i)

- 4.1.1. WILL CONSTRUCTION AND/OR EROSION PREVENTION AND SEDIMENT CONTROLS IMPACT ANY STREAMS WITHIN THE PROJECT LIMITS? YES NO
 IF YES, THE IMPACT(S) HAVE BEEN INCLUDED IN THE TOTAL PROJECT IMPACTS AND HAVE BEEN INCLUDED IN THE WATER QUALITY PERMITS.
 4.1.2. HAVE ANY OF THE RECEIVING STATE WATERS LESS THAN OR EQUAL TO 1 FLOW MILE DOWN GRADIENT OF THE PROJECT LIMITS BEEN CLASSIFIED BY TDEC AS FOLLOWS (CHECK ALL THAT APPLY):
 303d WITH UNAVAILABLE PARAMETERS FOR SILTATION
 EXCEPTIONAL TENNESSEE WATERS (ETW)
 4.1.3. RECEIVING WATERS OF THE STATE (5.5.1.h, 5.5.1.j, 5.5.1.k).

RECEIVING WATERS OF THE STATE INFORMATION					
STATE WATER LABEL	NAME OF RECEIVING STATE WATER	303D WITH UNAVAILABLE PARAMETERS FOR SILTATION (YES OR NO)	ETW (YES OR NO)	LOCATED WITHIN PROJECT LIMITS (YES OR NO)	LOCATED WITHIN ≤ 1 FLOW MILE DOWN GRADIENT OF PROJECT LIMITS (YES OR NO)
TN06040003023_1000	SUGAR FORK	NO	NO	NO	NO

 SOMERS CONSULTING SERVICES, LLC	LINEAGE METALS - CHERRY GLEN INDUSTRIAL PARK MAURY COUNTY, TENNESSEE
	STORM WATER POLLUTION PREVENTION PLAN
ANDY SOMERS, P.E. (256) 603-4888	2206 SHADES CREST RD HUNTSVILLE, AL 35801
SHEET NO.: 2 OF 12	

4.1.4. RECEIVING WATERS OF THE US (NON STATE WATERS) (4.1.2). LIST ANY FEATURE THAT IS IDENTIFIED AS A WET WEATHER CONVEYANCE (TDEC) AND IDENTIFIED AS WATERS OF THE US BY THE ARMY CORPS OF ENGINEERS.

WET WEATHER CONVEYANCES THAT ARE WATERS OF THE US			
WOTUS LABEL	NAME OF RECEIVING STATE WATER	LOCATED WITHIN PROJECT LIMITS (YES OR NO)	LOCATED WITHIN 15-FT OF THE PROJECT LIMITS (YES OR NO)

- 4.1.5. ARE THERE ANY WATER QUALITY RIPARIAN BUFFER ZONES REQUIRED FOR WATERS OF THE STATE? (5.5.1.i, 6.4.2.)
 YES NO
 IF YES, THEY HAVE BEEN INCLUDED ON PLAN SHEET(S) _____.
 IF YES, CHECK THE APPROPRIATE BOX BELOW FOR SIZE OF BUFFER.
- 60-FEET FOR WATERS WITH UNAVAILABLE PARAMETERS AND EXCEPTIONAL TENNESSEE WATERS (ETW) (AVERAGE WIDTH PER SIDE WITH A MINIMUM OF 30-FEET).
 A 60 FOOT NATURAL WATER QUALITY RIPARIAN BUFFER ZONE ADJACENT TO AND ON BOTH SIDES OF THE RECEIVING STATE STREAM WITH THIS DESIGNATION SHALL BE PRESERVED TO THE MAXIMUM EXTENT PRACTICABLE DURING CONSTRUCTION ACTIVITIES AT THE SITE. THE 60 FOOT CRITERION FOR THE WIDTH OF THE BUFFER ZONE CAN BE ESTABLISHED ON AN AVERAGE WIDTH BASIS AT A PROJECT, AS LONG AS THE MINIMUM WIDTH OF THE BUFFER ZONE IS MORE THAN 30 FEET AT ANY MEASURED LOCATION. IF THE CONSTRUCTION SITE ENCOMPASSES BOTH SIDES OF A STREAM, BUFFER AVERAGING CAN BE APPLIED TO BOTH SIDES, BUT MUST BE APPLIED INDEPENDENTLY.
- 30-FEET FOR ALL OTHER STREAMS (AVERAGE WIDTH PER SIDE WITH A MINIMUM OF 15-FEET).
 A 30 FOOT NATURAL WATER QUALITY RIPARIAN BUFFER ZONE ADJACENT TO AND ON BOTH SIDES OF THE RECEIVING STATE STREAM SHALL BE PRESERVED TO THE MAXIMUM EXTENT PRACTICABLE DURING CONSTRUCTION ACTIVITIES AT THE SITE. THE 30 FOOT CRITERION FOR THE WIDTH OF THE BUFFER ZONE CAN BE ESTABLISHED ON AN AVERAGE WIDTH BASIS AT A PROJECT, AS LONG AS THE MINIMUM WIDTH OF THE BUFFER ZONE IS MORE THAN 15 FEET AT ANY MEASURED LOCATION. IF THE CONSTRUCTION SITE ENCOMPASSES BOTH SIDES OF A STREAM, BUFFER AVERAGING CAN BE APPLIED TO BOTH SIDES, BUT MUST BE APPLIED INDEPENDENTLY.
- 15-FEET FOR ANY WET WEATHER CONVEYANCES IDENTIFIED AS WATERS OF THE US BY THE US ARMY CORPS OF ENGINEERS.
- 4.1.6. ARE THERE ANY WATER QUALITY RIPARIAN BUFFER ZONES NOT REQUIRED FOR STATE WATERS DUE TO A TDEC ARAP? (1.5.2.)
 YES NO
- 4.1.7. ARE THERE WATER QUALITY RIPARIAN BUFFER ZONE EXEMPTIONS? (4.1.2.1.) YES NO
 IF YES, EXISTING CONDITIONS DESCRIPTION: _____
- 4.1.8. EVERY ATTEMPT SHOULD BE MADE FOR CONSTRUCTION ACTIVITIES TO NOT TAKE PLACE WITHIN THE WATER QUALITY RIPARIAN BUFFER ZONE AND FOR EXISTING FORESTED AREAS TO BE PRESERVED. (4.1.2., 6.4.2.)
- 4.1.9. BECAUSE OF HEAVY SEDIMENT LOAD ASSOCIATED WITH CONSTRUCTION SITE RUNOFF, WATER QUALITY RIPARIAN BUFFER ZONES ARE NOT SEDIMENT CONTROL MEASURES AND

SHOULD NOT BE RELIED UPON AS PRIMARY SEDIMENT CONTROL MEASURES. THE WATER QUALITY RIPARIAN BUFFER ZONE SHALL BE ESTABLISHED BETWEEN THE TOP OF THE STREAM BANK AND THE DISTURBED CONSTRUCTION AREA.

- 4.1.10. WHERE IT IS NOT PRACTICABLE TO MAINTAIN A FULL WATER QUALITY RIPARIAN BUFFER, BEST MANAGEMENT PRACTICES (BMPs) PROVIDING EQUIVALENT PROTECTION AS THE NATURAL RIPARIAN ZONE MUST BE USED. A JUSTIFICATION FOR USE AND DESIGN EQUIVALENCY SHALL BE DOCUMENTED WITHIN THE SWPPP. THE ENVIRONMENTAL AND ROADWAY DESIGN DIVISIONS SHALL REVIEW AND APPROVE THIS REVISION OF THE SWPPP BEFORE DISTURBANCE OF THE SITE PROCEEDS, UNLESS PREVIOUSLY EXEMPT IN THE NPDES CGP. WHERE ISSUED, ARAP/401 REQUIREMENTS WILL PREVAIL IF IN CONFLICT WITH THESE BUFFER ZONE REQUIREMENTS.
- 4.2. OUTFALL INFORMATION
- 4.2.1. OUTFALL TABLE (5.5.1.c). SEE SWPPP SHEET S-8 FOR OUTFALL INFORMATION.
- 4.2.2. HAVE ALL OUTFALLS BEEN LABELED ON THE EPSC PLAN SHEETS (5.5.1.f)? YES NO
- 4.2.3. HAVE ALL OUTFALLS BEEN LABELED ON A USGS TOPOGRAPHIC MAP INCLUDED IN THE "DOCUMENTATION AND PERMITS" BINDER (3.2.2.)? YES NO
- 4.2.4. WHERE POSSIBLE, HAS NON-PROJECT RUN-ON BEEN DIVERTED AROUND OR THROUGH THE PROJECT TO ELIMINATE CONTACT WITH DISTURBED AREAS OF THE PROJECT AND SEPARATE IT FROM PROJECT RUN-OFF THEREBY REDUCING THE DRAINAGE AREA OF TO THE OUTFALLS IN THIS AREA?
 YES NO N/A
- 4.2.5. ARE EQUIVALENT MEASURES BEING SUBSTITUTED FOR A SEDIMENT BASIN(S) OR SEDIMENT TRAP(S)? (5.5.3.5.)
 YES NO N/A
- 4.2.6. A SEDIMENT BASIN, OR EQUIVALENT MEASURE(S) WILL BE PROVIDED FOR ANY OUTFALL IN A DRAINAGE AREA:
 OF TEN ACRES OR MORE FOR AN OUTFALL(S) THAT DOES NOT DISCHARGE TO A STATE STREAM WITH UNAVAILABLE PARAMETERS OR EXCEPTIONAL TENNESSEE WATERS. A TEMPORARY (OR PERMANENT) SEDIMENT BASIN OR EQUIVALENT CONTROL MEASURES THAT PROVIDES STORAGE FOR A CALCULATED VOLUME OF RUNOFF FROM A MINIMUM 2-YEAR/ 24-HOUR STORM EVENT, SHALL BE PROVIDED UNTIL FINAL STABILIZATION OF THE SITE. (5.5.3.5)
 OR
 OF FIVE ACRES OR MORE FOR AN OUTFALL(S) THAT DISCHARGES TO A STATE STREAM WITH UNAVAILABLE PARAMETERS DUE TO SILTATION OR EXCEPTIONAL TENNESSEE WATERS (ETW). A TEMPORARY (OR PERMANENT) SEDIMENT BASIN THAT PROVIDES STORAGE FOR A CALCULATED VOLUME OF RUNOFF FROM A 5-YEAR/ 24-HOUR STORM EVENT AND RUNOFF FROM EACH ACRE DRAINED, OR EQUIVALENT CONTROL MEASURES, SHALL BE PROVIDED UNTIL FINAL STABILIZATION OF THE SITE. (6.4.1.e).
- 4.2.7. A SEDIMENT TRAP, OR EQUIVALENT MEASURE(S) WILL BE PROVIDED FOR ANY OUTFALL IN A DRAINAGE AREA:
 OF 3.5 - 4.9 ACRES FOR AN OUTFALL(S) THAT DISCHARGES TO A STATE STREAM WITH UNAVAILABLE PARAMETERS (303d SILTATION) OR EXCEPTIONAL TENNESSEE WATERS (ETW). A SEDIMENT TRAP THAT PROVIDES STORAGE FOR A CALCULATED VOLUME OF RUNOFF FROM A 5-YEAR/24-HOUR STORM EVENT AND RUNOFF FROM EACH ACRE DRAINED, OR EQUIVALENT CONTROL MEASURES, SHALL BE PROVIDED UNTIL FINAL STABILIZATION OF THE SITE. (6.4.1.f).
- IN BOTH INSTANCES, THE ENVIRONMENTAL AND ROADWAY DESIGN DIVISIONS MAY BE CONTACTED TO REVIEW AND CONCUR WITH ANY REVISION OF THE SWPPP BEFORE DISTURBANCE OF THE OUTFALL PROCEEDS.
- 4.2.8. SEDIMENT STRUCTURES TREATING DRAINAGE AREAS IN EXCESS OF 25 ACRES REQUIRE A SITE-SPECIFIC DESIGN THAT ACCURATELY DEFINES THE SITE HYDROLOGY, SITE-SPECIFIC SEDIMENT LOADING, HYDRAULICS OF THE SITE, AND ADHERES TO ALL TENNESSEE EROSION AND SEDIMENT CONTROL HANDBOOK DESIGN RECOMMENDATIONS FOR SEDIMENT BASINS. (5.5.3.5.)

4.3. WETLAND INFORMATION
 WILL CONSTRUCTION AND/OR EROSION AND SEDIMENT CONTROLS IMPACT ANY WETLANDS? YES NO
 IF YES, THE STRUCTURAL EPSC MEASURES HAVE BEEN INCLUDED IN THE TOTAL PROJECT IMPACTS AND IN THE WATER QUALITY PERMITS.

WETLAND INFORMATION		
WETLAND LABEL	TEMPORARY IMPACTS (AC)	PERMANENT IMPACTS (AC)

- 4.4. TOTAL MAXIMUM DAILY LOADS (TMDL) INFORMATION (1.3.j)
- 4.4.1. IS THIS PROJECT LOCATED IN A HUC-8 WATERSHED THAT MAINTAINS AN EPA APPROVED TMDL FOR SILTATION AND HABITAT ALTERATION?
 YES NO
- 4.4.2. IF YES, IS THIS PROJECT LOCATED WITHIN A HUC-12 SUBWATERSHED WITH A WASTE LOAD ALLOCATION (WLA)?
 YES NO
- 4.4.3. IF YES, DOES THE PROJECT HAVE A DIRECT DISCHARGE TO A 303(d) LISTED STREAM FOR SILTATION?
 YES NO
 IF YES, SWPPP INCORPORATES MEASURES OR CONTROLS CONSISTENT WITH THE ASSUMPTIONS AND REQUIREMENTS OF THE TMDL.
5. EROSION PREVENTION AND SEDIMENT CONTROL (EPSC) MEASURES (5.5.3.)
- 5.1. EPSC MEASURES MUST BE DESIGNED, INSTALLED AND MAINTAINED TO CONTROL STORMWATER VOLUME AND VELOCITY WITHIN THE SITE TO MINIMIZE EROSION (4.1.1).
- 5.2. EPSC MEASURES MUST CONTROL STORMWATER DISCHARGES, INCLUDING BOTH PEAK FLOWS AND TOTAL STORMWATER VOLUME, TO MINIMIZE EROSION AT OUTLETS, STREAM CHANNELS, AND STREAM BANKS. (4.1.1)
- 5.3. HAVE THE CONTROL MEASURES BEEN DESIGNED PER THE SIZE AND SLOPE OF THE DISTURBED DRAINAGE AREA (5.5.3.5.)?
 YES NO
- 5.4. THE CONTROL MEASURES HAVE, AT A MINIMUM, BEEN DESIGNED FOR THE 2-YEAR, 24 HOUR STORM EVENT (5.5.3.5., 6.4.1.b).
- 5.5. ARE THE LIMITS OF DISTURBANCE CLEARLY MARKED ON THE EPSC PLANS (5.5.1.f)? YES NO
- 5.6. AREAS TO BE UNDISTURBED SHALL BE CLEARLY MARKED IN THE FIELD BEFORE CONSTRUCTION ACTIVITIES BEGIN.
- 5.7. CLEARING, GRUBBING, AND OTHER DISTURBANCE TO RIPARIAN VEGETATION SHALL BE LIMITED TO THE MINIMUM NECESSARY FOR SLOPE CONSTRUCTION AND EQUIPMENT OPERATIONS. EXISTING VEGETATION, INCLUDING STREAM AND WETLAND BUFFERS (UNLESS PERMITTED), SHOULD BE PRESERVED TO THE MAXIMUM EXTENT POSSIBLE. UNNECESSARY VEGETATION REMOVAL IS PROHIBITED.
- 5.8. HAS A THREE STAGED EPSC PLAN BEEN PREPARED FOR THE PROJECT (5.5.2.)?
 YES A THREE STAGED EPSC PLAN HAS BEEN PREPARED.
 NO A SINGLE STAGED EPSC PLAN HAS BEEN PREPARED SINCE THE PROJECT DISTURBANCE IS LESS THAN 5 ACRES AND THE PROJECT CONSISTS OF A SINGLE-LOT HOME, COMMERCIAL LOT OR LINEAR INFRASTRUCTURE PROJECT.

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- 5.9. STEEP SLOPES ARE DEFINED AS A NATURAL OR CREATED SLOPE OF 35% GRADE OR GREATER REGARDLESS OF HEIGHT. HAVE STEEP SLOPES BEEN MINIMALLY DISTURBED AND/OR PROTECTED BY CONVEYING RUNOFF NON-EROSIVELY AROUND OR OVER THE SLOPE (5.5.3.4.) (10. "STEEP SLOPE")? YES NO N/A
- 5.10. THE STRUCTURAL EPSC MEASURES HAVE BEEN INCLUDED IN THE TOTAL PROJECT IMPACTS AND HAVE BEEN INCLUDED IN THE AQUATIC RESOURCE ALTERATION (ARAP) PERMIT OR SECTION 401 CERTIFICATION (5.5.1.h). ALL PERMITS WILL BE MAINTAINED ON SITE WITHIN THE "DOCUMENTATION AND PERMITS" BINDER.
- 5.11. TEMPORARY EPSC MEASURES MAY BE REMOVED AT THE BEGINNING OF THE WORKDAY, BUT MUST BE REINSTALLED AT THE END OF THE WORKDAY OR BEFORE A PRECIPITATION EVENT.
- 5.12. EPSC MEASURES LOCATED IN WOTUS (EPHEMERAL STREAMS) MUST BE CONSIDERED TEMPORARY AND SHALL BE REMOVED AT THE END OF CONSTRUCTION.
- 5.13. THE CONTRACTOR SHALL ESTABLISH AND MAINTAIN A PROACTIVE METHOD TO PREVENT THE OFF-SITE MIGRATION OR DEPOSIT OF SEDIMENT OFF THE PROJECT LIMITS (E.G. R.O.W., EASEMENTS, ETC.), INTO WATERS OF THE STATE/U.S., OR ONTO ROADWAYS USED BY THE PUBLIC. IF SEDIMENT ESCAPES THE CONSTRUCTION SITE, OFF-SITE ACCUMULATIONS OF SEDIMENT THAT HAVE NOT REACHED A STREAM MUST BE REMOVED TO A LEVEL SUFFICIENT TO MINIMIZE OFF-SITE IMPACTS (E.G., FUGITIVE SEDIMENT THAT HAS ESCAPED THE CONSTRUCTION SITE AND HAS COLLECTED IN A STREET MUST BE REMOVED SO THAT IT IS NOT SUBSEQUENTLY WASHED INTO STORM SEWERS AND STREAMS BY THE NEXT RAIN AND/OR SO THAT IT DOES NOT POSE A SAFETY HAZARD TO USERS OF PUBLIC STREETS). ARRANGEMENTS CONCERNING REMOVAL OF SEDIMENT ON ADJOINING PROPERTY MUST BE SETTLED WITH THE ADJOINING PROPERTY OWNER BEFORE REMOVAL OF SEDIMENT. SEDIMENT THAT MIGRATES INTO WATERS OF THE STATE/US SHALL NOT BE REMOVED WITHOUT GUIDANCE AND APPROVAL FROM TDEC.
- 5.14. OFFSITE VEHICLE TRACKING OF SEDIMENTS AND THE GENERATION OF DUST SHALL BE MINIMIZED. A STABILIZED CONSTRUCTION EXIT (A POINT OF ENTRANCE/EXIT TO THE CONSTRUCTION PROJECT) SHALL BE PROVIDED TO REDUCE THE TRACKING OF MUD AND DIRT ONTO PUBLIC ROADS BY CONSTRUCTION VEHICLES.
- 5.15. DISCHARGES FROM DEWATERING ACTIVITIES ARE PROHIBITED UNLESS MANAGED BY APPROPRIATE CONTROLS THAT PROVIDE THE LEVEL OF TREATMENT (FILTRATION) NECESSARY TO COMPLY WITH PERMIT REQUIREMENTS. (4.1.3.).
- 5.16. SETTLING BASINS AND SEDIMENT TRAPS SHALL BE PROPERLY DESIGNED PER THE SIZE OF THE DRAINAGE AREAS OR VOLUME OF WATER TO BE TREATED. TREATED WATER MUST BE DISCHARGED THROUGH A PIPE OR WELL VEGETATED OR LINED CHANNEL, SO THAT THE DISCHARGE DOES NOT CAUSE EROSION OR SEDIMENT TRANSPORT.
- 5.17. DISCHARGES FROM SEDIMENT BASINS AND IMPOUNDMENTS SHALL UTILIZE OUTLET STRUCTURES THAT ONLY WITHDRAW WATER FROM NEAR THE SURFACE OF THE BASIN OR IMPOUNDMENT. TREATED WATER MUST BE DISCHARGED THROUGH A PIPE, WELL- VEGETATED AND/OR LINED CHANNEL, SO THAT THE DISCHARGE DOES NOT CAUSE EROSION OR SEDIMENT TRANSPORT. (5.5.3.5.).
- 5.18. THE DEWATERING OF WORK AREAS, TRENCHES, FOUNDATIONS, EXCAVATIONS, ETC. THAT HAVE COLLECTED STORMWATER, WATER FROM VEHICLE WASH AREAS, OR GROUNDWATER SHALL BE EITHER HELD IN SETTLING BASINS OR TREATED BY FILTRATION AND/OR CHEMICAL TREATMENT PRIOR TO ITS DISCHARGE. ALL CHEMICAL TREATMENTS MUST BE APPLIED PER SECTION 6 FLOCCULANTS.
- 5.19. WATER DISCHARGED FROM DEWATERING ACTIVITIES SHALL NOT CAUSE AN OBJECTIONABLE COLOR CONTRAST WITHIN THE RECEIVING NATURAL RESOURCE. WATER MUST BE HELD WITHIN SETTLING BASINS UNTIL IT IS AT LEAST AS CLEAR AS THE RECEIVING WATERS.
- 5.20. DEWATERING STRUCTURES, SEDIMENT FILTER BAGS, SEDIMENT BASINS AND TRAPS SHALL NOT BE LOCATED CLOSER THAN 30 FEET (60 FEET DESIRABLE VEGETATIVE BUFFER) FOR WATERS WITH UNAVAILABLE PARAMETERS DUE TO SILTATION AND EXCEPTIONAL TENNESSEE WATERS (ETW) AND 15 FEET (30 FEET DESIRABLE VEGETATIVE BUFFER) FOR ALL OTHER FEATURES FROM THE TOP BANK OF A STREAM, WOTUS (EPHEMERAL), WETLAND OR OTHER NATURAL RESOURCE AND SHALL BE PROPERLY DESIGNED PER THE SIZE OF THE DRAINAGE AREAS OR VOLUME OF WATER TO BE TREATED.
- 5.21. STABILIZATION PRACTICES: PRE-CONSTRUCTION VEGETATIVE COVER WILL NOT BE DESTROYED, REMOVED OR DISTURBED MORE THAN 2 WEEKS PRIOR TO GRADING OR EARTH MOVING UNLESS THE AREA WILL BE

- SEEDED AND/OR MULCHED OR OTHER TEMPORARY COVER IS INSTALLED (5.5.3.5.f).
- 5.22. STABILIZATION MEASURES WILL BE INITIATED AS SOON AS POSSIBLE WHERE CONSTRUCTION ACTIVITIES HAVE TEMPORARILY OR PERMANENTLY CEASED. TEMPORARY OR PERMANENT STABILIZATION WILL BE COMPLETED WITHIN 2 WEEKS AFTER ACTIVITY HAS TEMPORARILY OR PERMANENTLY CEASED IN THAT AREA. PERMANENT STABILIZATION WILL REPLACE TEMPORARY MEASURES AS SOON AS PRACTICABLE (5.5.3.4.).
- 5.23. PRIORITY SHALL BE GIVEN TO FINISHING OPERATIONS AND PERMANENT EPSC MEASURES OVER TEMPORARY EPSC MEASURES ON ALL PROJECTS. UNPACKED GRAVEL CONTAINING FINES (SILT AND CLAY SIZED PARTICLES) OR CRUSHER-RUN WILL NOT BE CONSIDERED A NON-ERODIBLE SURFACE
- 5.24. DELAYING THE PLANTING OF COVER VEGETATION UNTIL WINTER MONTHS OR DRY MONTHS SHOULD BE AVOIDED, IF POSSIBLE.
- 5.25. STEEP SLOPES SHALL BE TEMPORARILY STABILIZED NOT LATER THAN 1 WEEK AFTER CONSTRUCTION ACTIVITY ON THE SLOPE HAS TEMPORARILY OR PERMANENTLY CEASED. (5.5.3.4.).

6. MAINTENANCE AND INSPECTION

- 6.1. INSPECTION PRACTICES (5.5.3.9.)
 - 6.1.1. PROJECT EPSC INSPECTORS RESPONSIBLE FOR THE INSPECTION, IMPLEMENTATION, MAINTENANCE, AND/OR REPAIR OF EPSC MEASURES SHALL MEET ONE OF THE FOLLOWING REQUIREMENTS (5.5.3.10.):
 - 6.1.1.1. SUCCESSFULLY COMPLETED THE TDEC "LEVEL I - FUNDAMENTALS OF EROSION PREVENTION AND SEDIMENT CONTROL" AND ANY COURSE RECERTIFICATION COURSES AS REQUIRED.
 - 6.1.1.2. BE A CURRENT TN LICENSED PROFESSIONAL ENGINEER OR LANDSCAPE ARCHITECT.
 - 6.1.1.3. BE A CURRENT CERTIFIED PROFESSIONAL IN EROSION AND SEDIMENT CONTROL (CPESC).
 - 6.1.1.4. SUCCESSFULLY COMPLETED TDEC "LEVEL II - DESIGN PRINCIPLES FOR EROSION PREVENTION AND SEDIMENT CONTROL FOR CONSTRUCTION SITES" COURSE AND ANY RECERTIFICATION COURSE AS REQUIRED.
 - 6.1.2. EPSC CONTROLS SHALL BE INSPECTED TO VERIFY MEASURES HAVE BEEN INSTALLED AND MAINTAINED IN ACCORDANCE WITH CONSTRUCTION DRAWINGS, SPECIFICATIONS, AND GOOD ENGINEERING PRACTICES. EPSC INSPECTIONS SHALL BE DOCUMENTED ON THE TDEC CONSTRUCTION STORMWATER INSPECTION CERTIFICATION (TWICE-WEEKLY INSPECTIONS) FORM.
 - 6.1.3. OUTFALL POINTS SHALL BE INSPECTED TO ASCERTAIN WHETHER EPSC MEASURES ARE EFFECTIVE IN PREVENTING EROSION AND CONTROLLING SEDIMENT INCLUDING SIGNIFICANT IMPACTS TO SURROUNDING STATE WATERS, WOTUS (EPHEMERAL), WETLANDS, OTHER NATURAL RESOURCES AND ADJACENT PROPERTY OWNERS. WHERE DISCHARGE LOCATIONS ARE INACCESSIBLE, NEARBY DOWN GRADIENT LOCATIONS SHALL BE INSPECTED. LOCATIONS WHERE VEHICLES ENTER AND EXIT THE SITE SHALL BE INSPECTED FOR EVIDENCE OF OFF-SITE ROADWAY SEDIMENT TRACKING.
 - 6.1.4. INSPECTIONS WILL BE CONDUCTED AT LEAST TWICE EVERY CALENDAR WEEK AND AT LEAST 72 HOURS APART (5.5.3.11.a).
 - 6.1.5. ON PROJECTS WHERE THE PERMITTEE CHOOSES TO DISTURB MORE THAN 50 ACRES AT ONE TIME, INSPECTIONS WILL BE CONDUCTED TWICE PER WEEK AND FOLLOWING ANY RAINFALL EVENT OF MORE THAN 0.5 INCHES IN 24 HOURS. (5.5.3.3.c)
 - 6.1.6. THE FREQUENCY OF EPSC INSPECTIONS MAY BE REDUCED TO ONCE A MONTH WHERE SITES OR PORTIONS OF SITES HAVE BEEN TEMPORARILY STABILIZED UNTIL CONSTRUCTION ACTIVITIES RESUME WITH WRITTEN NOTIFICATION TDEC ENVIRONMENTAL FIELD OFFICE AND SUBSEQUENT TDEC APPROVAL. WRITTEN NOTIFICATION MUST INCLUDE THE INTENT TO CHANGE FREQUENCY AND JUSTIFICATION (5.5.3.11.a).
 - 6.1.7. ALL DISTURBED AREAS OF THE SITE THAT HAVE NOT BEEN FINALLY STABILIZED, AREAS USED FOR MATERIAL STORAGE THAT ARE EXPOSED TO PRECIPITATION, STRUCTURAL CONTROL MEASURES, AND LOCATIONS WHERE VEHICLES ENTER OR EXIT THE SITE, AND EACH OUTFALL WILL BE INSPECTED (5.5.3.11.b).


- 6.1.8. THE INSPECTOR WILL OVERSEE THE REQUIREMENTS OF OTHER CONSTRUCTION-RELATED WATER QUALITY PERMITS (I.E. TDEC ARAP, USACE SECTION 404, AND TVA SECTION 26a PERMITS) FOR CONSTRUCTION ACTIVITIES AROUND WATERS OF THE STATE (10 "INSPECTOR").
- 6.1.9. THE SWPPP WILL BE REVISED AS NECESSARY BASED ON THE RESULTS OF THE INSPECTION. REVISION(S) WILL BE RECORDED WITHIN 1 WEEK OF THE INSPECTION. REVISION(S) WILL BE IMPLEMENTED WITHIN 2 WEEKS OF THE INSPECTION (5.5.3.11.e AND 5.5.3.11.f).
- 6.1.10. DOCUMENTATION OF INSPECTIONS WILL BE MAINTAINED ON SITE IN THE "DOCUMENTATION AND PERMITS" BINDER.
- 6.1.11. THESE INSPECTION REQUIREMENTS DO NOT APPLY TO DEFINABLE AREAS OF THE SITE THAT HAVE MET FINAL STABILIZATION REQUIREMENTS AND HAVE BEEN NOTED IN THE SWPPP.
- 6.1.12. TRAINED CERTIFIED INSPECTORS SHALL COMPLETE INSPECTION TO THE BEST OF THEIR ABILITY. FALSIFYING INSPECTION RECORDS OR OTHER DOCUMENTATION OR FAILURE TO COMPLETE INSPECTION DOCUMENTATION SHALL RESULT IN A VIOLATION OF THIS PERMIT AND ANY OTHER APPLICABLE ACTS OR RULES (5.5.3.11.h).

6.2. MAINTENANCE PRACTICES (5.1 AND 8.13.)

- 6.2.1. ALL CONTROLS WILL BE MAINTAINED IN GOOD AND EFFECTIVE OPERATING ORDER AND IN ACCORDANCE WITH CONSTRUCTION DRAWINGS AND GOOD ENGINEERING PRACTICES. (5.1. AND 5.5.3.1.b)
- 6.2.2. MAINTENANCE AND REPAIR ACTIVITIES ARE THE RESPONSIBILITY OF THE CONTRACTOR.
- 6.2.3. UPON CONCLUSION OF THE INSPECTIONS, EPSC MEASURES FOUND TO BE INEFFECTIVE SHALL BE REPAIRED, REPLACED, OR MODIFIED BEFORE THE NEXT RAIN EVENT OR WITHIN 7 DAYS (WHICHEVER IS SOONER) AFTER THE INSPECTION OR WHEN THE CONDITION IS IDENTIFIED. (5.5.3.11.e).
- 6.2.4. SEDIMENT SHALL BE REMOVED FROM SEDIMENT CONTROL STRUCTURES (SEDIMENT TRAPS, SILT FENCE, SEDIMENT BASINS, OTHER CONTROLS, ETC.) WHEN THE DESIGN CAPACITY HAS BEEN REDUCED BY FIFTY PERCENT (50%). (5.5.3.1.d).
- 6.2.5. DURING SEDIMENT REMOVAL, THE CONTRACTOR SHALL TAKE STEPS TO ENSURE THAT STRUCTURAL COMPONENTS OF EPSC MEASURES ARE NOT DAMAGED AND THUS MADE INEFFECTIVE. IF DAMAGE DOES OCCUR, THE CONTRACTOR SHALL REPAIR THE EPSC MEASURES AT THE CONTRACTOR'S OWN EXPENSE.
- 6.2.6. CHECK DAMS WILL BE INSPECTED FOR STABILITY. SEDIMENT WILL BE REMOVED WHEN DEPTH REACHES ONE-HALF (½) THE HEIGHT OF THE DAM.
- 6.2.7. SEDIMENT REMOVED FROM SEDIMENT CONTROL STRUCTURES SHALL BE PLACED AND TREATED IN A MANNER SO THAT THE SEDIMENT IS CONTAINED WITHIN THE PROJECT LIMITS, DOES NOT MIGRATE INTO FEATURES REMOVED FROM, AND DOES NOT MIGRATE ONTO ADJACENT PROPERTIES AND/OR INTO WATERS OF THE STATE/U.S.
- 6.2.8. LITTER, CONSTRUCTION DEBRIS, AND CONSTRUCTION CHEMICALS EXPOSED TO STORMWATER WILL BE PICKED UP AND REMOVED FROM STORMWATER EXPOSURE PRIOR TO ANTICIPATED STORM EVENTS OR BEFORE BEING CARRIED OFF THE SITE BY WIND, OR OTHERWISE PREVENTED FROM BECOMING A POLLUTANT SOURCE FOR STORMWATER DISCHARGES. AFTER USE, MATERIALS USED FOR EROSION CONTROL WILL BE REMOVED (5.5.3.7.a).
- 6.2.9. ALL SEEDER AREAS WILL BE CHECKED FOR BARE SPOTS, EROSION WASHOUTS, AND VIGOROUS GROWTH FREE OF SIGNIFICANT WEED INFESTATIONS.

7. SITE ASSESSMENTS (5.5.3.8.)

ARE SITE ASSESSMENTS REQUIRED? YES NO

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8. STORMWATER MANAGEMENT (5.5.3.11.h)

8.1. STORMWATER MANAGEMENT WILL BE HANDLED BY TEMPORARY CONTROLS OUTLINED IN THIS SWPPP AND ANY PERMANENT CONTROLS NEEDED TO MEET PERMANENT STORMWATER MANAGEMENT NEEDS IN THE POST CONSTRUCTION PERIOD. PERMANENT CONTROLS WILL BE DEPICTED ON THE PLANS AND NOTED AS PERMANENT.

8.2. DESCRIBE ANY SPECIFIC POST-CONSTRUCTION MEASURES THAT WILL CONTROL VELOCITY, POLLUTANTS, AND/OR EROSION (5.5.3.6.c): SEE SHEET C-102

8.3. OTHER ITEMS NEEDING CONTROL (5.5.3.7.)

CONSTRUCTION MATERIALS: THE FOLLOWING MATERIALS OR SUBSTANCES ARE EXPECTED TO BE PRESENT ON THE SITE DURING THE CONSTRUCTION PERIOD. (CHECK ALL THAT APPLY).

- LUMBER, GUARDRAIL, TRAFFIC CONTROL DEVICES
- CONCRETE WASHOUT
- PIPE CULVERTS (I.E. CONCRETE, CORRUGATED METAL, HDPE, ETC.)
- MINERAL AGGREGATES, ASPHALT
- EARTH
- LIQUID TRAFFIC STRIPING MATERIALS, PAINT
- ROCK
- CURING COMPOUND
- EXPLOSIVES
- OTHER _____

THESE MATERIALS WILL BE HANDLED AS NOTED IN THIS SWPPP.

8.4. WASTE MATERIALS (5.5.3.7.c)

WASTE MATERIAL (EARTH, ROCK, ASPHALT, CONCRETE, ETC.) NOT REQUIRED FOR THE CONSTRUCTION OF THE PROJECT WILL BE DISPOSED OF BY THE CONTRACTOR IN ACCORDANCE WITH FEDERAL AND STATE REGULATIONS. IMPACTS TO WATERS OF THE STATE/U.S. SHALL BE AVOIDED IF POSSIBLE. IF UNAVOIDABLE, THE CONTRACTOR WILL OBTAIN ALL NECESSARY PERMITS INCLUDING, BUT NOT LIMITED TO NPDES, AQUATIC RESOURCES ALTERATION PERMIT(S) CORPS OF ENGINEERS SECTION 404 PERMITS, AND TVA SECTION 26A PERMITS TO DISPOSE OF WASTE MATERIALS.

8.5. HAZARDOUS WASTE (5.5.3.7.c) (8.8)

ALL HAZARDOUS WASTE MATERIALS WILL BE DISPOSED OF IN A MANNER WHICH IS COMPLIANT WITH LOCAL OR STATE REGULATIONS. SITE PERSONNEL WILL BE INSTRUCTED IN THESE PRACTICES, AND THE INDIVIDUAL DESIGNATED AS THE CONTRACTOR'S ON-SITE REPRESENTATIVE WILL BE RESPONSIBLE FOR SEEING THAT THESE PRACTICES ARE FOLLOWED. THE CONTRACTOR WILL OBTAIN ALL NECESSARY PERMITS TO DISPOSE OF HAZARDOUS MATERIAL.

8.6. SANITARY WASTE (5.5.3.7.b)

PORTABLE SANITARY FACILITIES WILL BE PROVIDED ON ALL CONSTRUCTION SITES. SANITARY WASTE WILL BE COLLECTED FROM THE PORTABLE UNITS IN A TIMELY MANNER BY A LICENSED WASTE MANAGEMENT CONTRACTOR OR AS REQUIRED BY ANY LOCAL REGULATIONS. THE CONTRACTOR WILL OBTAIN ALL NECESSARY PERMITS TO DISPOSE OF SANITARY WASTE.

8.7. OTHER MATERIALS

THE FOLLOWING MATERIALS OR SUBSTANCES ARE EXPECTED TO BE PRESENT ON THE SITE DURING THE CONSTRUCTION PERIOD. (CHECK ALL THAT APPLY).

- FERTILIZERS AND LIME
- PESTICIDES AND/OR HERBICIDES
- DIESEL AND GASOLINE
- MACHINERY LUBRICANTS (OIL AND GREASE)

THESE MATERIALS WILL BE HANDLED AS NOTED IN THIS SWPPP.

9. NON-STORMWATER DISCHARGES (5.5.3.12.)

9.1. THE FOLLOWING NON-STORMWATER DISCHARGES ARE ANTICIPATED DURING THE CONSTRUCTION OF THIS PROJECT (CHECK ALL THAT APPLY):

- DEWATERING OF WORK AREAS OF COLLECTED STORMWATER AND GROUND WATER.
- WATERS USED TO WASH VEHICLES (OF DUST AND SOIL) WHERE DETERGENTS ARE NOT USED AND DETENTION AND/OR FILTERING IS PROVIDED BEFORE THE WATER LEAVES THE SITE.

- WATER USED TO CONTROL DUST. (3.5.3.1.n)
- POTABLE WATER SOURCES INCLUDING WATERLINE FLUSHING FROM WHICH CHLORINE HAS BEEN REMOVED TO THE MAXIMUM EXTENT PRACTICABLE.
- UNCONTAMINATED GROUNDWATER OR SPRING WATER.
- FOUNDATION OR FOOTING DRAINS WHERE FLOWS ARE NOT CONTAMINATED WITH POLLUTANTS.
- OTHER: _____

9.2. ALL ALLOWABLE NON-STORMWATER DISCHARGES WILL BE DIRECTED TO STABLE DISCHARGE STRUCTURES PRIOR TO LEAVING THE SITE.

9.3. THE DESIGN OF ALL IMPACTED EPSC MEASURES RECEIVING FLOW FROM ALLOWABLE NON-STORMWATER DISCHARGES MUST BE DESIGNED TO HANDLE THE VOLUME OF THE NON-STORMWATER COMPONENT.

9.4. WASH DOWN OR WASTE DISCHARGE OF CONCRETE TRUCKS WILL NOT BE PERMITTED ON-SITE UNLESS PROPER SETTLEMENT AREAS HAVE BEEN PROVIDED IN ACCORDANCE WITH BOTH STATE AND FEDERAL REGULATIONS.

9.5. ARE ANY DISCHARGES ASSOCIATED WITH INDUSTRIAL (NON-CONSTRUCTION STORMWATER) ACTIVITY EXPECTED (5.5.1.g)?

- YES NO

IF YES, SPECIFY THE LOCATION OF THE ACTIVITY AND ITS PERMIT NUMBER: _____

10. SPILL PREVENTION, MANAGEMENT AND NOTIFICATION (5.5.3.7.c, 6.1)

10.1. SPILL PREVENTION (5.5.3.7.c)

10.1.1. THE CONTRACTOR SHALL BE RESPONSIBLE FOR PREPARING A SPILL PREVENTION CONTROL AND COUNTERMEASURE (SPCC) PLAN WHEN REQUIRED BY FEDERAL CODE.

10.2. MATERIAL MANAGEMENT

10.2.1. HOUSEKEEPING

ONLY CONSTRUCTION PRODUCTS NEEDED SHALL BE STORED ON-SITE BY THE CONTRACTOR. EXCEPT FOR BULK MATERIALS THE CONTRACTOR WILL STORE ALL MATERIALS UNDER COVER AND IN APPROPRIATE CONTAINERS. PRODUCTS MUST BE STORED IN ORIGINAL CONTAINERS AND LABELED. MATERIAL MIXING WILL BE CONDUCTED IN ACCORDANCE WITH THE MANUFACTURER'S RECOMMENDATIONS. WHEN POSSIBLE, ALL PRODUCTS WILL BE USED COMPLETELY BEFORE PROPERLY DISPOSING OF THE CONTAINER OFF SITE. THE MANUFACTURER'S DIRECTIONS FOR DISPOSAL OF MATERIALS AND CONTAINERS WILL BE FOLLOWED. (9-410.06) THE CONTRACTOR'S SITE SUPERINTENDENT WILL INSPECT MATERIALS STORAGE AREAS REGULARLY TO ENSURE PROPER USE AND DISPOSAL. DUST GENERATED WILL BE CONTROLLED IN AN ENVIRONMENTALLY SAFE MANNER. VEGETATION AREAS NOT ESSENTIAL TO THE CONSTRUCTION PROJECT WILL BE PRESERVED AND MAINTAINED AS NOTED ON THE PLANS.

10.2.2. HAZARDOUS MATERIALS

PRODUCTS MUST BE STORED IN ORIGINAL CONTAINERS UNLESS THE CONTAINER IS NOT RE-SEALABLE. ORIGINAL LABELS AND MATERIAL SAFETY DATA SHEETS WILL BE RETAINED IN A SAFE PLACE TO RELAY IMPORTANT PRODUCT INFORMATION. IF SURPLUS PRODUCT MUST BE DISPOSED OF, MANUFACTURER'S LABEL DIRECTIONS FOR DISPOSAL WILL BE FOLLOWED. MAINTENANCE AND REPAIR OF ALL EQUIPMENT AND VEHICLES INVOLVING OIL CHANGES, HYDRAULIC SYSTEM DRAIN DOWN, DE-GREASING OPERATIONS, FUEL TANK DRAIN DOWN AND REMOVAL, AND OTHER ACTIVITIES WHICH MAY RESULT IN THE ACCIDENTAL RELEASE OF CONTAMINANTS WILL BE CONDUCTED ON AN IMPERVIOUS SURFACE AND UNDER COVER DURING WET WEATHER TO PREVENT THE RELEASE OF CONTAMINANTS ONTO THE GROUND. WHEEL WASH WATER WILL BE COLLECTED AND ALLOWED TO SETTLE OUT SUSPENDED SOLIDS PRIOR TO DISCHARGE. WHEEL WASH WATER WILL NOT BE DISCHARGED DIRECTLY INTO ANY STORMWATER SYSTEM OR STORMWATER TREATMENT SYSTEM. POTENTIAL pH-MODIFYING MATERIALS SUCH AS: BULK CEMENT, CEMENT KILN DUST, FLY ASH, NEW CONCRETE WASHINGS AND CURING WATERS, CONCRETE PUMPING, AND MIXER WASHOUT WATERS WILL BE COLLECTED ON SITE AND MANAGED TO PREVENT CONTAMINATION OF STORMWATER RUNOFF.

10.3. PRODUCT SPECIFIC PRACTICES

10.3.1. PETROLEUM PRODUCTS: ALL ON-SITE VEHICLES WILL BE MONITORED FOR LEAKS AND RECEIVE REGULAR PREVENTIVE MAINTENANCE TO REDUCE THE CHANCE OF LEAKAGE. PETROLEUM PRODUCTS WILL BE STORED IN TIGHTLY SEALED CONTAINERS WHICH ARE CLEARLY LABELED.

10.3.2. FERTILIZERS: FERTILIZERS WILL BE APPLIED ONLY IN THE AMOUNTS SPECIFIED BY THE SOIL ANALYSIS. ONCE APPLIED, FERTILIZERS WILL BE WORKED INTO THE SOIL TO LIMIT THE EXPOSURE TO STORMWATER. FERTILIZERS WILL BE STORED IN AN ENCLOSED AREA UNDER COVER. THE CONTENTS OF PARTIALLY USED FERTILIZER BAGS WILL BE TRANSFERRED TO SEALABLE CONTAINERS TO AVOID SPILLS.

10.3.3. PAINTS: ALL CONTAINERS WILL BE TIGHTLY SEALED AND STORED WHEN NOT REQUIRED FOR USE. THE EXCESS WILL BE DISPOSED OF PER THE MANUFACTURER'S INSTRUCTIONS AND APPLICABLE STATE AND LOCAL REGULATIONS.

10.3.4. CONCRETE TRUCKS: CONTRACTORS WILL PROVIDE DESIGNATED TRUCK WASHOUT AREAS ON THE SITE. THESE AREAS MUST BE SELF CONTAINED AND NOT CONNECTED TO ANY STORMWATER OUTLET OF THE SITE, AND PROPERLY SIGNED. UPON COMPLETION OF CONSTRUCTION WASHOUT AREAS WILL BE PROPERLY STABILIZED.

10.4. SPILL MANAGEMENT

IN ADDITION TO THE PREVIOUS HOUSEKEEPING AND MANAGEMENT PRACTICES, THE FOLLOWING PRACTICES WILL BE FOLLOWED FOR SPILL PREVENTION AND CLEANUP IF NECESSARY:

10.4.1. ALL ONSITE VEHICLES SHALL BE MONITORED FOR LEAKS AND RECEIVE REGULAR PREVENTATIVE MAINTENANCE TO REDUCE THE CHANGE OF LEAKAGE AND SPILLS.

10.4.2. FOR ALL HAZARDOUS MATERIALS STORED ON SITE, THE MANUFACTURER'S RECOMMENDED METHODS FOR SPILL CLEAN UP WILL BE CLEARLY POSTED. SITE PERSONNEL WILL BE MADE AWARE OF THE PROCEDURES AND THE LOCATIONS OF THE INFORMATION AND CLEANUP SUPPLIES.

10.4.3. APPROPRIATE CLEANUP MATERIALS AND EQUIPMENT WILL BE MAINTAINED BY THE CONTRACTOR IN THE MATERIALS STORAGE AREA ON-SITE AND UNDER COVER. SPILL RESPONSE EQUIPMENT SHALL BE INSPECTED AND MAINTAINED BY THE CONTRACTOR AS NECESSARY TO REPLACE ANY MATERIALS USED IN SPILL RESPONSE ACTIVITIES.

10.4.4. ALL SPILLS SHALL BE CLEANED IMMEDIATELY AFTER DISCOVERY AND THE MATERIALS DISPOSED OF PROPERLY. THE SPILL AREA WILL BE KEPT WELL VENTILATED AND PERSONNEL WILL WEAR APPROPRIATE PROTECTIVE CLOTHING TO PREVENT INJURY FROM CONTACT WITH A HAZARDOUS SUBSTANCE.

10.4.5. THE CONTRACTOR'S RESPONSIBLE PARTY WILL BE THE SPILL PREVENTION AND CLEANUP COORDINATOR. THE CONTRACTOR IS RESPONSIBLE FOR ENSURING THAT THE SITE SUPERINTENDENT HAS HAD APPROPRIATE TRAINING FOR HAZARDOUS MATERIALS HANDLING, SPILL MANAGEMENT, AND CLEANUP.

10.4.6. IF SPILLS REPRESENT AN IMMINENT THREAT OF ESCAPING THE SITE AND ENTERING RECEIVING WATERS, PERSONNEL WILL RESPOND IMMEDIATELY TO CONTAIN THE RELEASE AND NOTIFY THE PRIMARY PERMITTEE AFTER THE SITUATION HAS BEEN STABILIZED.

10.4.7. IF AN OIL SHEEN IS OBSERVED ON SURFACE WATER (E.G. SETTLING PONDS, DETENTION PONDS, SWALES), ACTION WILL BE TAKEN IMMEDIATELY TO REMOVE THE MATERIAL CAUSING THE SHEEN. THE CONTRACTOR WILL USE APPROPRIATE MATERIALS TO CONTAIN AND ABSORB THE SPILL. THE SOURCE OF THE OIL SHEEN WILL ALSO BE IDENTIFIED AND REMOVED OR REPAIRED AS NECESSARY TO PREVENT FURTHER RELEASES.

10.4.8. IF A SPILL OCCURS THE CONTRACTOR'S RESPONSIBLE PARTY SHALL BE RESPONSIBLE FOR COMPLETING THE SPILL REPORTING FORM. ALL SPILLS MUST BE REPORTED TO THE APPROPRIATE AGENCY, AND MEASURES SHALL BE TAKEN

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IMMEDIATELY TO PREVENT THE POLLUTION OF WATERS OF THE STATE/U.S., INCLUDING GROUNDWATER, SHOULD A SPILL OCCUR.

10.5. SPILL NOTIFICATION (6.1)

WHERE A RELEASE CONTAINING A HAZARDOUS SUBSTANCE IN AN AMOUNT EQUAL TO, OR MORE THAN A REPORTABLE QUANTITY ESTABLISHED UNDER EITHER 40 CFR 117 OR 40 CFR 302 OCCURS DURING A 24 HOUR PERIOD:

10.5.1. THE PRIMARY PERMITTEE OFFICE WILL NOTIFY THE LOCAL TDEC ENVIRONMENTAL FIELD OFFICE AND ANY OTHER APPLICABLE REGULATORY AGENCIES WITHIN 24 HOURS OF THE SPILL.

10.5.2. IN ADDITION TO ANY FOLLOW UP NOTIFICATIONS REQUIRED BY FEDERAL LAW, A WRITTEN DESCRIPTION OF THE RELEASE, DATE OF RELEASE AND CIRCUMSTANCES LEADING TO THE RELEASE, WHAT ACTIONS WERE TAKEN TO MITIGATE EFFECTS OF THE RELEASE, AND STEPS TAKEN TO MINIMIZE THE CHANCE OF FUTURE OCCURRENCES WILL BE SUBMITTED TO THE APPROPRIATE TDEC ENVIRONMENTAL FIELD OFFICE WITHIN 2 WEEKS OF KNOWLEDGE OF THE RELEASE.

10.5.3. THE SWPPP MUST BE MODIFIED WITHIN 2 WEEKS OF KNOWLEDGE OF THE RELEASE PROVIDING A DESCRIPTION OF THE RELEASE, CIRCUMSTANCES LEADING TO THE RELEASE, AND THE DATE OF RELEASE. THE SWPPP WILL BE REVIEWED AND MODIFIED AS NECESSARY TO IDENTIFY MEASURES TO PREVENT THE REOCCURRENCE OF SUCH RELEASES AND TO RESPOND TO SUCH RELEASES.

11. RECORD-KEEPING

11.1. REQUIRED RECORDS

THE PRIMARY PERMITTEE OR THEIR DULY AUTHORIZED REPRESENTATIVE WILL MAINTAIN AT THE SITE THE FOLLOWING RECORDS OF CONSTRUCTION ACTIVITIES (7.2.1.):

11.1.1. THE DATES WHEN MAJOR GRADING ACTIVITIES OCCUR.

11.1.2. THE DATES WHEN CONSTRUCTION ACTIVITIES TEMPORARILY OR PERMANENTLY CEASE ON A PORTION OF THE SITE.

11.1.3. THE DATES WHEN STABILIZATION MEASURES ARE INITIATED.

11.1.4. RECORDS EPSC INSPECTION REPORTS AND CORRECTIVE MEASURES.

11.1.5. RECORDS OF QUALITY ASSURANCE SITE ASSESSMENTS, IF APPLICABLE.

11.1.6. COPY OF SITE EPSC INSPECTOR'S CERTIFICATION AND/OR LICENSING

11.1.7. A COPY OF ANY REGULATORY CORRESPONDENCE REGARDING THE EFFECTIVENESS OF THE SWPPP OR EPSC CONTROLS.

11.2. RAINFALL MONITORING PLAN (7.2.1.):

11.2.1. EQUIPMENT

AT A MINIMUM, THE CONTRACTOR WILL INSTALL A FENCE POST TYPE RAIN GAUGE TO MEASURE RAINFALL. THE STANDARD FENCE POST RAIN GAUGE WILL BE A WEDGE-SHAPED GAUGE THAT MEASURES UP TO 6 INCHES OF RAINFALL. AN ENGLISH SCALE WILL BE PROVIDED ON ONE FACE, WITH A METRIC SCALE ON THE OTHER FACE. GRADUATION WILL BE PERMANENTLY MOLDED IN DURABLE WEATHER-RESISTANT PLASTIC. THE MINIMUM GRADUATION WILL BE 0.01 INCH (OR 0.1MM). AN ALUMINUM BRACKET WITH SCREWS MAY BE USED TO MOUNT THE GAUGE ON A WOODEN SUPPORT. IF A RAIN GAUGE CANNOT BE MAINTAINED ON-SITE A REFERENCE SITE MAY BE USED FOR A RECORD OF DAILY RAINFALL.

11.2.2. LOCATION

THE RAIN GAUGE WILL BE LOCATED AT OR ALONG THE PROJECT SITE, AS DEFINED IN THE NOI OF THE NPDES PERMIT, IN AN OPEN AREA SUCH THAT THE MEASUREMENT WILL NOT BE INFLUENCED BY OUTSIDE FACTORS (I.E. OVERHANGS, GUTTER, TREES, ETC.). AT LEAST ONE RAIN GAUGE PER LINEAR MILE IS REQUIRED ALONG (AS MEASURED ALONG THE CENTERLINE OF THE PRIMARY ALIGNMENT) THE PROJECT WHERE CLEARING, GRUBBING, EXCAVATION, GRADING, CUTTING OR FILLING IS ACTIVELY PERFORMED, OR EXPOSED SOIL HAS NOT YET BEEN PERMANENTLY STABILIZED.

11.2.3. METHODS

RAINFALL MONITORING WILL BE INITIATED PRIOR TO CLEARING, GRUBBING, EXCAVATION, GRADING, CUTTING, OR FILLING, EXCEPT AS SUCH MINIMAL CLEARING MAY BE NECESSARY TO INSTALL A RAIN GAUGE IN AN OPEN AREA. THE RAIN GAUGE WILL BE CHECKED FOR OPERATIONAL SOUNDNESS DAILY (DURING NORMAL BUSINESS HOURS) IN WET TIMES AND WEEKLY IN DRY TIMES. GAUGES WILL BE REPAIRED OR REPLACED ON THE SAME DAY IF FOUND TO BE NON-OPERATIONAL OR MISSING.

11.2.4. EACH RAIN GAUGE WILL BE READ (FOR DETAILED RECORDS OF RAINFALL) AND EMPTIED AFTER EVERY RAINFALL EVENT OCCURRING ON THE PROJECT SITE AT APPROXIMATELY THE SAME TIME OF THE DAY (DURING NORMAL BUSINESS HOURS). DURING PERIODS OF DRY CONDITIONS, IT WILL NOT BE NECESSARY TO READ THE RAIN GAUGE EVERY DAY. IN LIEU OF THIS REQUIREMENT ON WEEKENDS AND ON STATE HOLIDAYS, THE RAIN GAUGES CAN BE EMPTIED THE NEXT BUSINESS DAY AND A REFERENCE SITE USED FOR A RECORD OF DAILY AMOUNT OF PRECIPITATION FOR THOSE DAYS. A REFERENCE SITE IS THE DOCUMENTATION FROM THE CLOSEST GAUGE WITHIN PROXIMITY OF THE PROJECT FROM A RECOGNIZED SOURCE SUCH AS THE NOAA NATIONAL WEATHER SERVICE.

11.2.5. DETAILED RECORDS WILL BE RECORDED OF RAINFALL EVENTS INCLUDE DATES, AMOUNTS OF RAINFALL, AND THE APPROXIMATE DURATION (OR THE STARTING AND ENDING TIMES). THE RAINFALL RECORDS SHALL BE RECORDED ON THE RAINFALL RECORD SHEET AND SHALL BE MAINTAINED IN THE "DOCUMENTATION AND PERMITS" BINDER.

11.2.6. IF THE RAINFALL EVENT IS STILL IN PROGRESS AT THE DAILY RECORDING TIME, THE GAUGE WILL BE EMPTIED AND THE RECORD WILL INDICATE THAT THE STORM EVENT WAS STILL IN PROGRESS.

11.2.7. RAIN GAUGE INFORMATION (DETAILED RECORDS), INCLUDING THE LOCATION OF THE NEAREST OUTFALL, WILL BE RECORDED ON THE EPSC INSPECTION REPORT FORMS AT THE TIME OF MEASUREMENT.

11.3. KEEPING PLANS CURRENT (5.4.)

11.3.1. THE EPSC PLAN IS TO SERVE AS AN INITIAL GUIDE FOR SITE PERSONNEL AS THE CONSTRUCTION PROCESS DEVELOPS. IT MUST BE AMENDED, MODIFIED, AND UPDATED WHENEVER EPSC INSPECTIONS INDICATE, OR WHERE STATE OR FEDERAL REGULATORY OFFICIALS DETERMINE EPSC MEASURES ARE PROVING INEFFECTIVE IN ELIMINATING OR SIGNIFICANTLY MINIMIZING POLLUTANT SOURCES OR ARE OTHERWISE NOT ACHIEVING THE GENERAL OBJECTIVES OF CONTROLLING POLLUTANTS IN STORMWATER DISCHARGES ASSOCIATED WITH THE CONSTRUCTION ACTIVITY.

11.3.2. THE STAGES DEPICTED WITHIN THE EPSC PLANS MAY NOT COINCIDE WITH THE ACTUAL STAGES OF CONSTRUCTION ESTABLISHED BY THE CONTRACTOR DURING CONSTRUCTION, THUS MODIFICATIONS WILL BE REQUIRED TO ENSURE THE EPSC PLAN IS MAINTAINED TO DEPICT CURRENT SITE CONDITIONS. IT SHOULD BE MAINTAINED SUCH THAT IT WILL ALWAYS REFLECT THE MEASURES THAT ARE INSTALLED DURING THE VARIOUS STAGES OF CONSTRUCTION. IT IS IMPRACTICAL TO DETERMINE ALL THE INTERMEDIATE STAGES OF CONSTRUCTION THAT WILL OCCUR, THUS THESE DOCUMENTS MUST BE UPDATED THROUGHOUT THE LIFE OF THE CONSTRUCTION PROJECT.

11.3.3. THE PRIMARY PERMITTEE'S EPSC INSPECTOR OR THEIR DULY AUTHORIZED REPRESENTATIVE WILL MODIFY AND UPDATE THE SWPPP WHEN ANY OF THE FOLLOWING CONDITIONS APPLY:

11.3.3.1. WHENEVER THERE IS A CHANGE IN THE SCOPE OF THE PROJECT THAT WOULD BE EXPECTED TO HAVE A SIGNIFICANT EFFECT ON THE DISCHARGE OF POLLUTANTS TO THE WATERS OF THE STATE AND WHICH HAS NOT OTHERWISE BEEN ADDRESSED IN THE SWPPP;

11.3.3.2. WHENEVER INSPECTIONS OR INVESTIGATIONS BY SITE OPERATORS, LOCAL, STATE, OR FEDERAL OFFICIALS INDICATE THE SWPPP IS PROVING INEFFECTIVE IN ELIMINATING OR SIGNIFICANTLY MINIMIZING POLLUTANTS FROM CONSTRUCTION ACTIVITY SOURCES, OR IS OTHERWISE NOT ACHIEVING THE GENERAL OBJECTIVES OF CONTROLLING POLLUTANTS IN STORMWATER DISCHARGES ASSOCIATED WITH CONSTRUCTION ACTIVITY; WHERE LOCAL, STATE, OR FEDERAL OFFICIALS DETERMINE THAT THE SWPPP IS INEFFECTIVE IN

ELIMINATING OR SIGNIFICANTLY MINIMIZING POLLUTANT SOURCES, A COPY OF ANY CORRESPONDENCE TO THAT EFFECT MUST BE RETAINED IN THE SWPPP;

11.3.3.3. WHEN ANY NEW OPERATOR AND/OR SUB-OPERATOR IS ASSIGNED OR RELIEVED OF THEIR RESPONSIBILITY TO IMPLEMENT A PORTION OF THE SWPPP;

11.3.3.4. TO PREVENT A NEGATIVE IMPACT TO LEGALLY PROTECTED STATE OR FEDERALLY LISTED OR PROPOSED THREATENED OR ENDANGERED AQUATIC FAUNA;

11.3.3.5. WHEN THERE IS A CHANGE IN CHEMICAL TREATMENT METHODS INCLUDING: USE OF DIFFERENT TREATMENT CHEMICALS, DIFFERENT DOSAGE OR APPLICATION RATES OR A DIFFERENT AREA OF APPLICATION NOT SPECIFIED ON THE EPSC PLANS.

11.3.3.6. ALL SWPPP REVISION(S) SHALL BE RECORDED WITHIN 1 WEEK BY THE PROJECT EPSC INSPECTOR.

11.3.3.7. WHEN A TMDL IS DEVELOPED FOR THE RECEIVING WATERS FOR A POLLUTANT OF CONCERN (SILTATION), CONSTRUCTION SHALL NOTIFY THE PERMITS SECTION FOR PROPER COORDINATION.

11.4. MAKING PLANS ACCESSIBLE

11.4.1. THE PRIMARY PERMITTEE WILL RETAIN A COPY OF THIS SWPPP (INCLUDING A COPY OF THE "DOCUMENTATION AND PERMITS" BINDER AT THE CONSTRUCTION SITE (OR OTHER LOCATION ACCESSIBLE TO TDEC AND THE PUBLIC) FROM THE DATE CONSTRUCTION COMMENCES TO THE DATE OF FINAL STABILIZATION. THE PRIMARY PERMITTEE WILL HAVE A COPY OF THE SWPPP AVAILABLE AT THE LOCATION WHERE WORK IS OCCURRING ON-SITE FOR THE USE OF OPERATORS AND THOSE IDENTIFIED AS HAVING RESPONSIBILITIES UNDER THE SWPPP WHENEVER THEY ARE ON THE CONSTRUCTION SITE (7.2.).

11.4.2. PRIOR TO THE INITIATION OF LAND DISTURBING ACTIVITIES AND UNTIL THE SITE HAS MET THE FINAL STABILIZATION CRITERIA, THE PRIMARY PERMITTEE OR THEIR DULY AUTHORIZED REPRESENTATIVE WILL POST A NOTICE NEAR THE MAIN ENTRANCE OF THE CONSTRUCTION SITE WITH THE FOLLOWING INFORMATION (5.3.4.) (7.2.1.):

11.4.2.1. A COPY OF THE NOTICE OF COVERAGE (NOC) WITH THE NPDES PERMIT NUMBER FOR THE PROJECT;

11.4.2.2. THE INDIVIDUAL NAME, COMPANY NAME, E-MAIL ADDRESS (IF APPLICABLE) AND TELEPHONE NUMBER OF THE LOCAL PROJECT SITE OWNER AND OPERATOR CONTACT;

11.4.2.3. A BRIEF DESCRIPTION OF THE PROJECT; AND

11.4.2.4. THE LOCATION OF THE SWPPP.

11.4.3. ALL INFORMATION DESCRIBED IN SECTION 13.4.2 MUST BE MAINTAINED IN LEGIBLE THIS CONDITION. IF POSTING INFORMATION NEAR A MAIN ENTRANCE IS INFEASIBLE DUE TO SAFETY CONCERNS, THE NOTICE SHALL BE POSTED IN A LOCAL BUILDING. THE NOTICE MUST BE PLACED IN A PUBLICLY ACCESSIBLE LOCATION WHERE CONSTRUCTION IS ACTIVELY UNDERWAY AND MOVED AS NECESSARY.

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 ANDY SOMERS, P.E. (256) 603-4888 | 2206 SHADES CREST RD HUNTSVILLE, AL 35801

LINEAGE METALS - CHERRY GLEN INDUSTRIAL PARK MAURY COUNTY, TENNESSEE
 STORM WATER POLLUTION PREVENTION PLAN
 SHEET NO.: 6 OF 12

11.5. NOTICE OF TERMINATION (9.0.)

- 11.5.1. WHEN ALL STORMWATER DISCHARGES FROM CONSTRUCTION ACTIVITIES THAT ARE AUTHORIZED BY THE PERMIT ARE ELIMINATED BY FINAL STABILIZATION, THE PRIMARY PERMITTEE WILL SUBMIT A NOTICE OF TERMINATION (NOT) THAT IS SIGNED IN ACCORDANCE WITH THE PERMIT TO THE TDEC CENTRAL OFFICE IN NASHVILLE, TN.
- 11.5.2. FOR THE PURPOSES OF THE CERTIFICATION REQUIRED BY THE NOT, THE ELIMINATION OF STORMWATER DISCHARGES ASSOCIATED WITH THE CONSTRUCTION ACTIVITY MEANS THE
 - 11.5.2.1. ALL EARTH-DISTURBING ACTIVITIES ON THE SITE ARE COMPLETED AND ALL DISTURBED SOILS AT THE PORTION OF THE CONSTRUCTION SITE WHERE THE OPERATOR HAD CONTROL HAVE BEEN FINALLY STABILIZED; AND
 - 11.5.2.2. ALL CONSTRUCTION MATERIALS, WASTE AND WASTE HANDLING DEVICES, AND ALL EQUIPMENT, AND VEHICLES THAT WERE USED DURING CONSTRUCTION HAVE BEEN REMOVED AND PROPERLY DISPOSED; AND
 - 11.5.2.3. ALL STORMWATER CONTROLS THAT WERE INSTALLED AND MAINTAINED DURING CONSTRUCTION, EXCEPT THOSE THAT ARE INTENDED FOR LONG-TERM USE FOLLOWING TERMINATION OF PERMIT COVERAGE, HAVE BEEN REMOVED; AND
 - 11.5.2.4. ALL POTENTIAL POLLUTANTS AND POLLUTANT GENERATING ACTIVITIES WITH ASSOCIATED CONSTRUCTION HAVE BEEN REMOVED; AND
 - 11.5.2.5. THE PERMITTEE HAS IDENTIFIED WHO IS RESPONSIBLE FOR ONGOING MAINTENANCE OF ANY STORMWATER CONTROLS LEFT ON THE SITE FOR LONG-TERM USE FOLLOWING TERMINATION OF PERMIT COVERAGE; AND
 - 11.5.2.6. TEMPORARY EPSC MEASURES HAVE BEEN OR WILL BE REMOVED AT AN APPROPRIATE TIME TO ENSURE FINAL STABILIZATION IS MAINTAINED; AND
 - 11.5.2.7. ALL STORMWATER DISCHARGES ASSOCIATED WITH CONSTRUCTION ACTIVITIES FROM THE IDENTIFIED SITE THAT ARE AUTHORIZED BY A NPDES GENERAL PERMIT HAVE OTHERWISE BEEN ELIMINATED FROM THE PORTION OF THE CONSTRUCTION SITE WHERE THE OPERATOR HAD CONTROL.

11.6. RETENTION OF RECORDS (7.1.)

THE PRIMARY PERMITTEE WILL RETAIN COPIES OF THE SWPPP, ALL REPORTS REQUIRED BY THE PERMIT, AND RECORDS OF ALL DATA USED TO COMPLETE THE NOTICE OF INTENT FOR THE PROJECT FOR A PERIOD OF AT LEAST THREE (3) YEARS FROM THE DATE THE NOT WAS FILED.

12. SITE WIDE/PRIMARY PERMITTEE CERTIFICATION (8.7.5.)

I CERTIFY UNDER PENALTY OF LAW THAT THIS DOCUMENT AND ALL ATTACHMENTS WERE PREPARED BY ME, OR UNDER MY DIRECTION OR SUPERVISION. THE SUBMITTED INFORMATION IS TO THE BEST OF MY KNOWLEDGE AND BELIEF, TRUE, ACCURATE, AND COMPLETE. I AM AWARE THAT THERE ARE SIGNIFICANT PENALTIES FOR SUBMITTING FALSE INFORMATION, INCLUDING THE POSSIBILITY OF FINE AND IMPRISONMENT. AS SPECIFIED IN TENNESSEE CODE ANNOTATED SECTION 39-16-702(a)(4), THIS DECLARATION IS MADE UNDER PENALTY OF PERJURY.

AUTHORIZED PERSONNEL SIGNATURE (5.3.3.)

PRINTED NAME

TITLE

DATE

13. SECONDARY PERMITTEE (OPERATOR) CERTIFICATION (8.7.6.)

I CERTIFY UNDER PENALTY OF LAW THAT I HAVE REVIEWED THIS DOCUMENT, ANY ATTACHMENTS, AND THE SWPPP REFERENCED ABOVE. BASED ON MY INQUIRY OF THE CONSTRUCTION SITE OWNER/DEVELOPER IDENTIFIED ABOVE AND/OR MY INQUIRY OF THE PERSON DIRECTLY RESPONSIBLE FOR ASSEMBLING THIS NOI AND SWPPP, I BELIEVE THE INFORMATION SUBMITTED IS ACCURATE. I AM AWARE THAT THIS NOI, IF APPROVED, MAKES THE ABOVE-DESCRIBED CONSTRUCTION ACTIVITY SUBJECT TO NPDES PERMIT NUMBER TNR100000, AND THAT CERTAIN OF MY ACTIVITIES ONSITE ARE THEREBY REGULATED. I AM AWARE THAT THERE ARE SIGNIFICANT PENALTIES, INCLUDING THE POSSIBILITY OF FINE AND IMPRISONMENT FOR KNOWING VIOLATIONS, AND FOR FAILURE TO COMPLY WITH THESE PERMIT REQUIREMENTS. AS SPECIFIED IN TENNESSEE CODE ANNOTATED SECTION 39-16-702(a)(4), THIS DECLARATION IS MADE UNDER PENALTY OF PERJURY.

AUTHORIZED CONTRACTOR PERSONNEL SIGNATURE (5.3.3.)

PRINTED NAME

TITLE

DATE

SCS
SOMERS CONSULTING SERVICES, LLC
ANDY SOMERS, P.E. (256) 603-4888 | 2206 SHADES CREST RD HUNTSVILLE, AL 35801

LINEAGE METALS - CHERRY GLEN INDUSTRIAL PARK MAURY COUNTY, TENNESSEE

STORM WATER POLLUTION PREVENTION PLAN

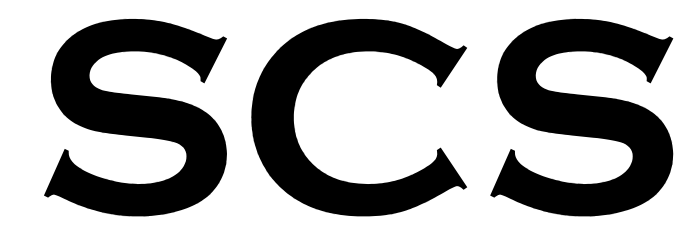
SHEET NO.: 7 OF 12

14. OUTFALL TABLE (5.5.1.c, 6.4.1.e, 6.4.1.f)

OUTFALL LABEL	SUB OUTFALL	SLOPE (%)	STAGE 1 DRAINAGE AREA (AC)	STAGE 2 DRAINAGE AREA (AC)	STAGE 3 DRAINAGE AREA (AC)	SEDIMENT BASIN OR EQUIVALENT MEASURE(S) (YES, NO, OR N/A)	SEDIMENT TRAP OR EQUIVALENT MEASURE(S) (YES, NO, OR N/A)	RECEIVING RESOURCE OR OTHER	COMMENTS
OF01	NA	NA	6.85	6.85	6.85	N/A	N/A	SUGAR FORK	LOWEST POINT OF SITE

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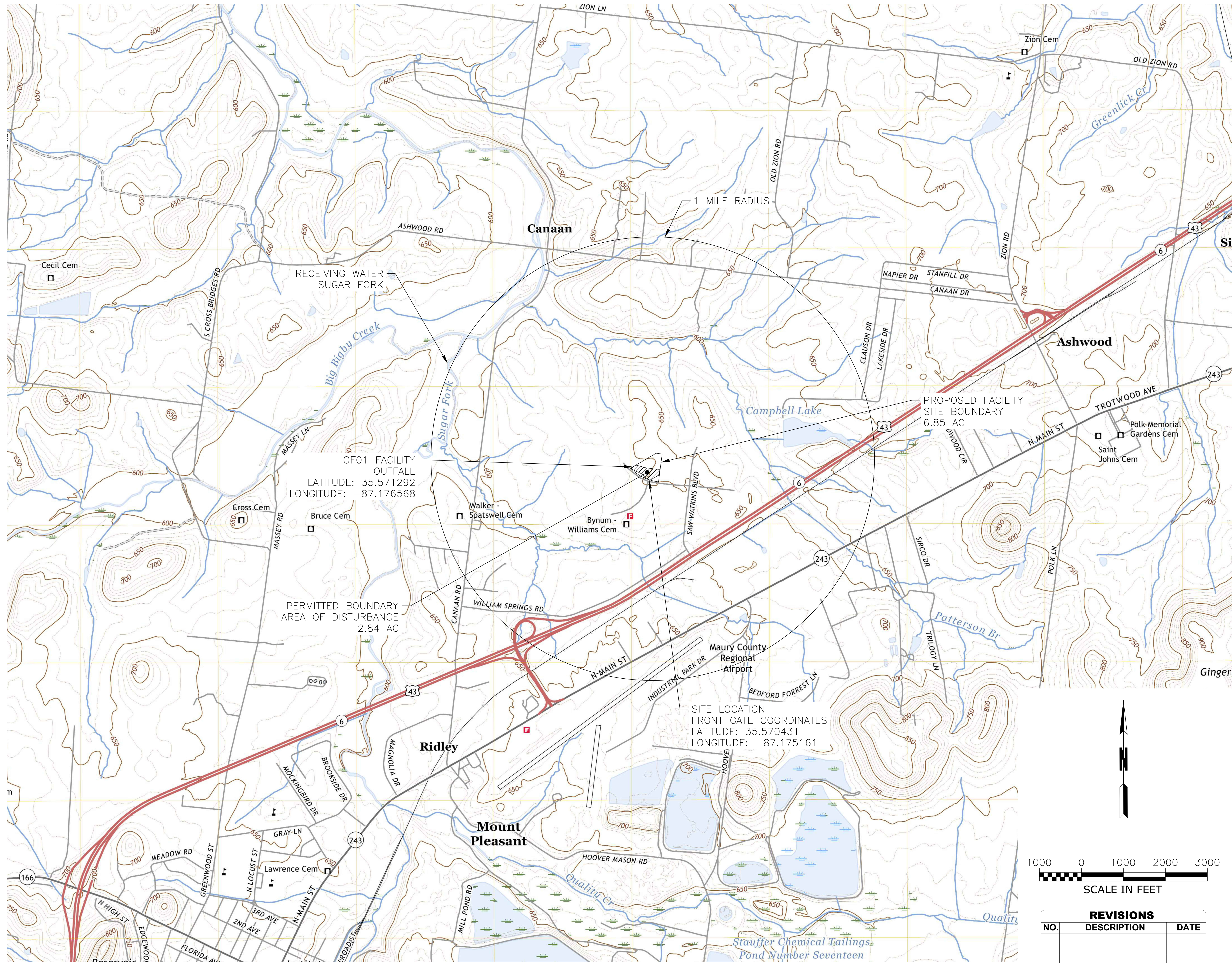
LINEAGE METALS - CHERRY GLEN
 INDUSTRIAL PARK
 MAURY COUNTY, TENNESSEE
 STORM WATER POLLUTION
 PREVENTION PLAN
 SHEET NO.: 8 OF 12



SOMERS CONSULTING SERVICES, LLC

LINEAGE METALS - CHERRY GLEN INDUSTRIAL PARK
 JOE FRANK PORTER ROAD
 MT. PLEASANT, TN 38474

MAY 29, 2026

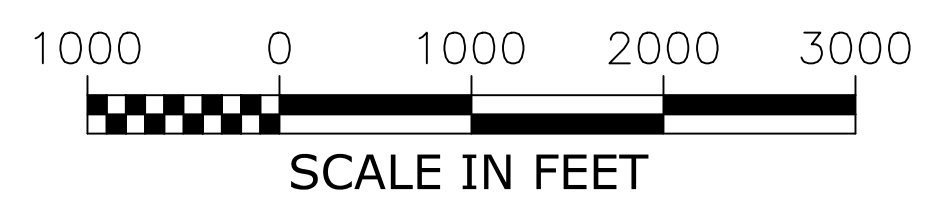


RECEIVING WATER SUGAR FORK

OF01 FACILITY OUTFALL
 LATITUDE: 35.571292
 LONGITUDE: -87.176568

PERMITTED BOUNDARY AREA OF DISTURBANCE
 2.84 AC

SITE LOCATION FRONT GATE COORDINATES
 LATITUDE: 35.570431
 LONGITUDE: -87.175161



REVISIONS		
NO.	DESCRIPTION	DATE

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HILL CONSTRUCTION, LLC
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 1117 NORTH LOCUST AVENUE
 LAWRENCEBURG, TN 38464

DRAWN: AG
CHECKED: AS

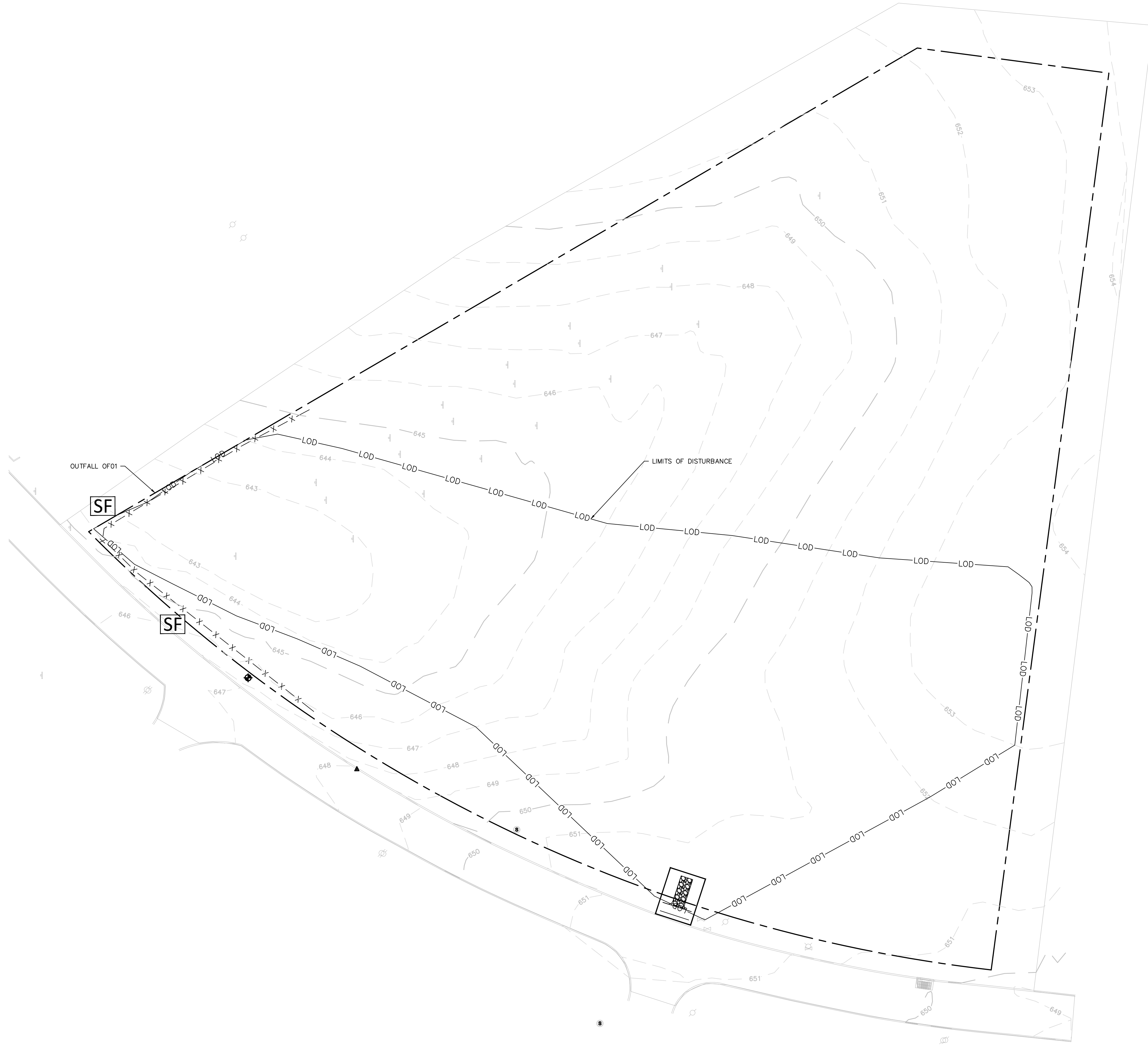
SHEET NAME:
 SITE TOPOGRAPHIC MAP

SCALE: 1" = 1,000'
SHEET NO: 9 OF 12



LINEAGE METALS - CHERRY GLEN INDUSTRIAL PARK
 JOE FRANK PORTER ROAD
 MT. PLEASANT, TN 38474

MAY 29, 2026



BMP LEGEND

	SILT FENCE		TEMPORARY SEEDING
	CONSTRUCTION EXIT PAD		MULCHING
	CHECK DAM		PERMANENT SEEDING
	INLET PROTECTION		SODDING
	OUTLET PROTECTION		

STAGE I NARRATIVE

CONSTRUCTION SEQUENCING
 CONSTRUCTION SHALL BE SEQUENCED AND STAGED TO: MINIMIZE THE EXPOSURE TIME OF GRADED OR DENUDED SOIL AREAS, PRESERVE TOPSOIL, AND MINIMIZE SOIL COMPACTION. NO WORK SHALL BE STARTED UNTIL THE CONTRACTOR'S PLAN FOR THE STAGING OF THEIR OPERATIONS, INCLUDING THE PLAN FOR STAGING OF TEMPORARY AND PERMANENT EPSC MEASURES, HAS BEEN ACCEPTED BY THE ENGINEER.

INITIAL SITE PREPARATION AND EROSION CONTROL
 THE INSTALLATION OF INITIAL CONTROLS MARKS THE COMMENCEMENT OF CONSTRUCTION-RELATED ACTIVITIES ON ANY SITE. THIS CRUCIAL PHASE SETS THE FOUNDATION FOR EFFECTIVE EROSION AND SEDIMENT CONTROL THROUGHOUT THE PROJECT.

- INSTALL INITIAL EPSC MEASURES BEFORE CLEARING, GRUBBING, EXCAVATION, GRADING, CULVERT OR BRIDGE CONSTRUCTION, CUTTING, FILLING, OR ANY OTHER EARTHWORK OCCURS, EXCEPT AS SUCH WORK MAY BE NECESSARY TO INSTALL EPSC MEASURES.

PRE-CONSTRUCTION PLANNING
 A PRE-CONSTRUCTION CONFERENCE IS ESSENTIAL TO DISCUSS THE INSTALLATION OF INITIAL CONTROLS. DURING THIS MEETING:

- THE CONTRACTOR AND INSPECTOR SHOULD THOROUGHLY REVIEW THE INSPECTION AND MAINTENANCE REQUIREMENTS FOR SPECIFIED BEST MANAGEMENT PRACTICES (BMPs).
- LOCATIONS AND PROPER INSTALLATION PROCEDURES FOR BMPs MUST BE CLEARLY UNDERSTOOD BY ALL PARTIES INVOLVED.

RUNOFF MANAGEMENT
 EFFECTIVE MANAGEMENT OF BOTH ON-SITE AND OFF-SITE RUNOFF IS CRITICAL:

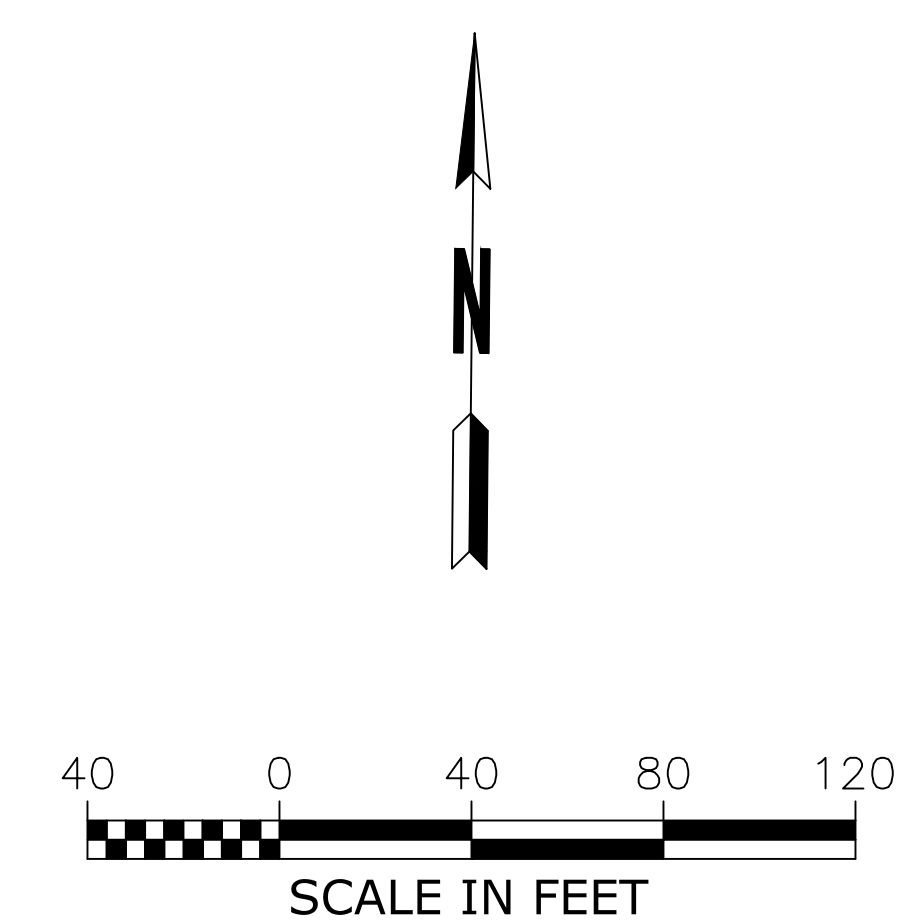
- WHERE POSSIBLE, OFF-SITE RUNOFF SHOULD BE DIVERTED AROUND THE PROJECT USING STABILIZED AREAS, ADEQUATE CONVEYANCE SYSTEMS, AND PROTECTED INLETS.
- SEDIMENT TRAPS AND BASINS SHOULD BE CONSTRUCTED TO ACCOMMODATE ANTICIPATED RUNOFF AND SEDIMENTS.
- FOR EFFICIENCY, CONSIDER PLACING TEMPORARY SEDIMENT BASINS IN LOCATIONS PLANNED FOR PERMANENT STORMWATER FACILITIES.

PERIMETER CONTROL AND EROSION PREVENTION
 TO MAINTAIN SITE INTEGRITY AND PREVENT ENVIRONMENTAL IMPACT:

- INSTALL STABILIZED CONSTRUCTION EXITS.
- INSTALL PERIMETER PROTECTION WHERE RUNOFF SHEET FLOWS FROM AND DIVERSIONS TO CONTAIN SEDIMENTS ON-SITE AND DIRECT THEM INTO TRAPS AND BASINS.
- AS CLEARING AND GRADING PROGRESS, IMPLEMENT TEMPORARY SEEDING AND MULCHING IMMEDIATELY FOR AREAS THAT WILL REMAIN UNDISTURBED FOR SEVEN DAYS OR LONGER.

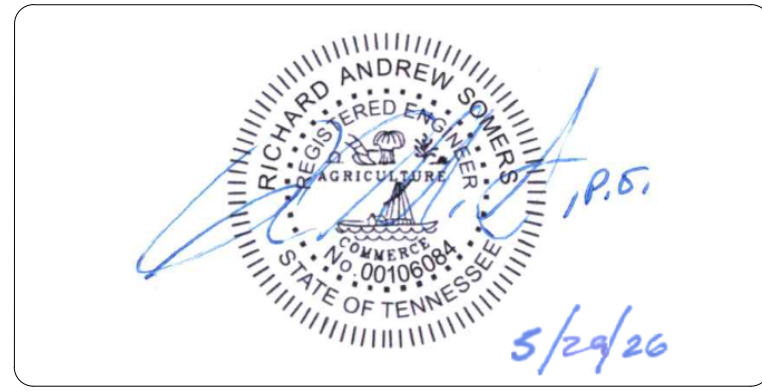
REVIEW THE PROJECT SWPPP FOR DETAILED PRACTICES ON PRE-CONSTRUCTION PREPARATION, CONSTRUCTION SEQUENCING, AND TDEC REGULATIONS.

THIS APPROACH ENSURES COMPREHENSIVE EROSION CONTROL FROM THE OUTSET, SETTING THE STAGE FOR RESPONSIBLE AND EFFECTIVE SITE MANAGEMENT THROUGHOUT THE CONSTRUCTION PROCESS.



REVISIONS

NO.	DESCRIPTION	DATE



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DRAWN: AG
CHECKED: AS

SHEET NAME:
 EROSION CONTROL PLAN
 STAGE I

SCALE: 1" = 40'
SHEET NO: 10 OF 12



SOMERS CONSULTING SERVICES, LLC

LINEAGE METALS - CHERRY GLEN INDUSTRIAL PARK
 JOE FRANK PORTER ROAD
 MT. PLEASANT, TN 38474

MAY 29, 2026

BMP LEGEND

SF	SILT FENCE	TS	TEMPORARY SEEDING
CEP	CONSTRUCTION EXIT PAD	MU	MULCHING
CD	CHECK DAM	PS	PERMANENT SEEDING
IP	INLET PROTECTION	SO	SODDING
OP	OUTLET PROTECTION		

STAGE II NARRATIVE

CONSTRUCTING PERMANENT STORMWATER MANAGEMENT SYSTEMS DURING THIS CRITICAL PHASE, THE PERMANENT STORMWATER MANAGEMENT SYSTEM IS INSTALLED ALONGSIDE OTHER CONSTRUCTION ACTIVITIES. KEY CONSIDERATIONS INCLUDE:

SYSTEM PREPARATION AND PROTECTION

- THE SYSTEM MUST BE PROPERLY STABILIZED BEFORE RECEIVING RUNOFF.
- PROTECTION FROM SEDIMENTATION IS CRUCIAL UNTIL PROJECT COMPLETION.

LAND DISTURBANCE AND EROSION CONTROL

- LIMIT LAND DISTURBANCE TO AREAS UNDER ACTIVE WORK.
- PERFORM CLEARING AND GRUBBING (NOT MORE THAN TWO WEEKS PRIOR TO GRADING OR EARTH-MOVING).
- STABILIZE DISTURBED AREAS WITHIN 2 WEEKS OF COMPLETING ANY STAGE AND/OR PHASE OF ACTIVITY (STEEP SLOPES SHALL BE STABILIZED WITHIN 1 WEEK AFTER CONSTRUCTION ACTIVITY HAS TEMPORARY OR PERMANENTLY CEASED).
- ANY AND ALL SLOPES GREATER THAN 3:1 TO BE STABILIZED USING SOLID SODDING.

STORMWATER FACILITY MANAGEMENT

- KEEP STORMWATER FACILITIES FREE OF SEDIMENTS THROUGHOUT CONSTRUCTION.
- INSTALL INLET AND CULVERT PROTECTION ONCE STRUCTURES ARE IN PLACE AND CAPABLE OF INTERCEPTING FLOW.
- WHEN USING STORMWATER PONDS AS TEMPORARY SEDIMENT BASINS:
 - ENSURE COMPLETE REMOVAL OF ACCUMULATED SEDIMENTS TO MAINTAIN STORAGE VOLUME AND PREVENT CLOGGING.
 - CONSIDER DESIGNING THE SEDIMENT BASIN BOTTOM 6 TO 12 INCHES (15 TO 30 CM) HIGHER THAN THE FINAL POND BOTTOM.

MAINTENANCE AND INSPECTION

- INSPECTIONS WILL BE CONDUCTED AT LEAST TWICE EVERY CALENDAR WEEK AND AT LEAST 72 HOURS APART.
- THE CONTRACTOR SHOULD INSPECT AND MAINTAIN BMPS WEEKLY AND AFTER SIGNIFICANT RAIN EVENTS.
- ANALYZE ANY FAILURES TO PREVENT RECURRENCE.

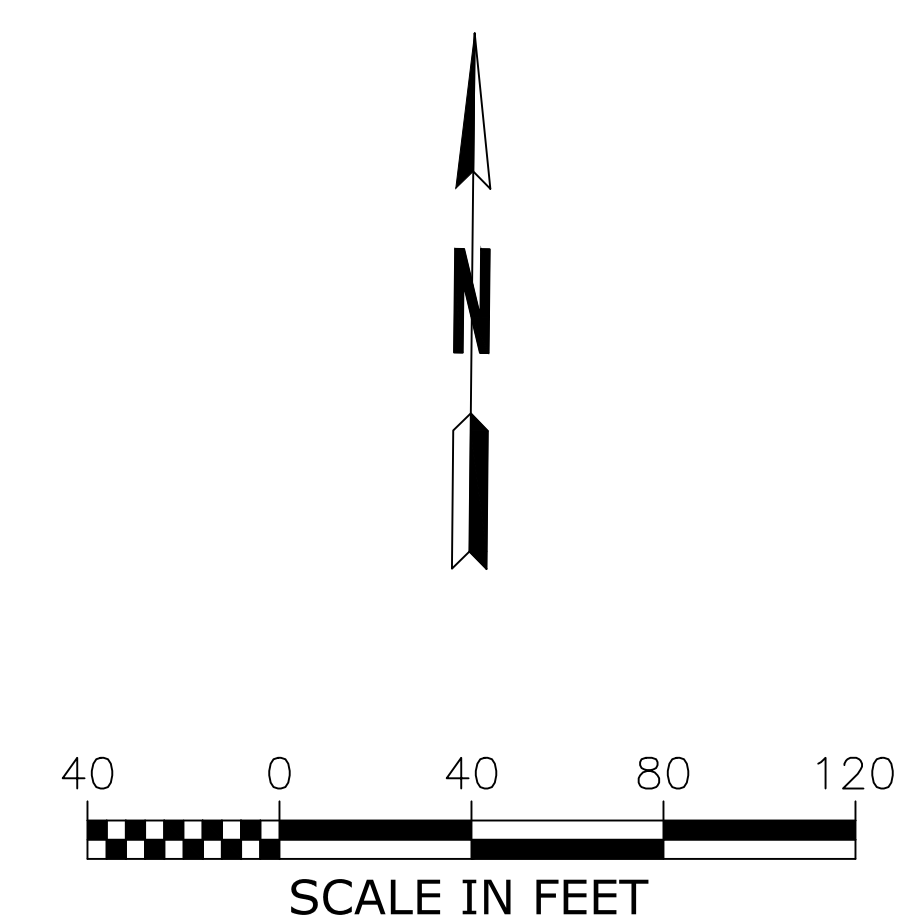
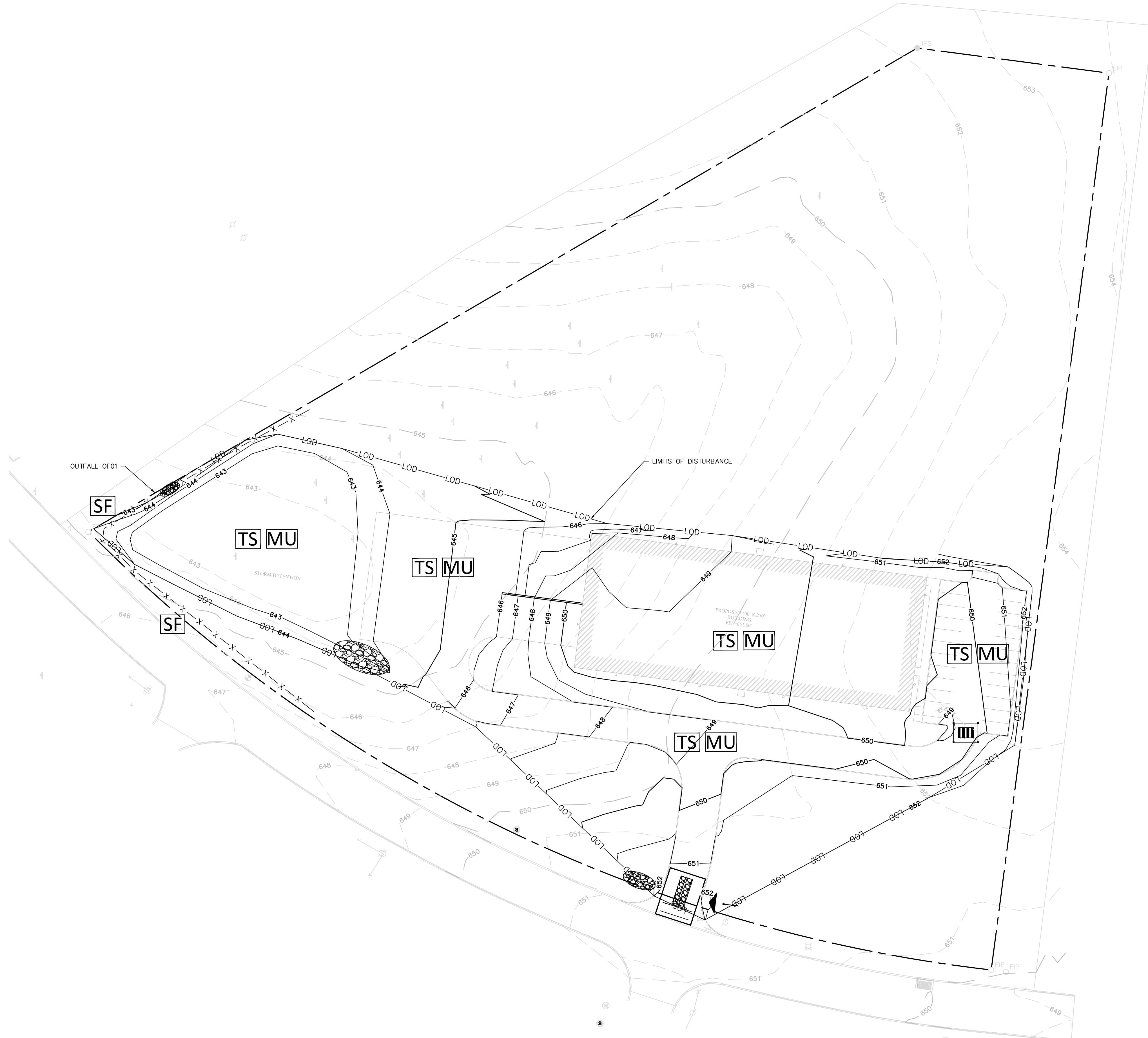
PLAN MODIFICATIONS

SUBSTANTIAL CHANGES TO THE APPROVED PLAN MUST BE:

- MADE OR REVIEWED BY THE DESIGNER.
- APPROVED BY THE APPROPRIATE REGULATORY AGENCY.

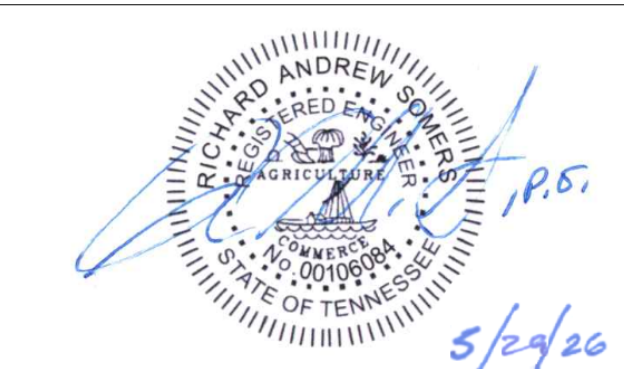
REVIEW THE PROJECT SWPPP FOR DETAILED PRACTICES ON EROSION PREVENTION AND SEDIMENT CONTROL, INSPECTIONS AND RECORD-KEEPING, STORMWATER MANAGEMENT, DEWATERING AND DISCHARGE MANAGEMENT, MATERIAL MANAGEMENT, PLAN MODIFICATIONS, AND TDEC REGULATIONS.

THIS APPROACH ENSURES THE EFFECTIVE CONSTRUCTION AND PROTECTION OF PERMANENT STORMWATER MANAGEMENT SYSTEMS WHILE MAINTAINING OVERALL SITE INTEGRITY AND REGULATORY COMPLIANCE.



REVISIONS

NO.	DESCRIPTION	DATE



SOMERS CONSULTING SERVICES, LLC.
 ANDY SOMERS, P.E.
 (256) 603-4888
 2206 SHADES CREST RD
 HUNTSVILLE, AL 35801

HILL CONSTRUCTION, LLC
 (256) 710-7333
 1117 NORTH LOCUST AVENUE
 LAWRENCEBURG, TN 38464

DRAWN: AG
CHECKED: AS

SHEET NAME:
 EROSION CONTROL PLAN
 STAGE II

SCALE: 1" = 40'
SHEET NO: 11 OF 12



LINEAGE METALS - CHERRY GLEN INDUSTRIAL PARK
 JOE FRANK PORTER ROAD
 MT. PLEASANT, TN 38474

MAY 29, 2026

BMP LEGEND

	SILT FENCE		TEMPORARY SEEDING
	CONSTRUCTION EXIT PAD		MULCHING
	CHECK DAM		PERMANENT SEEDING
	INLET PROTECTION		SODDING
	OUTLET PROTECTION		

STAGE III NARRATIVE

THIS IS THE COMPLETED PROJECT.

EROSION PREVENTION AND STABILIZATION

- COMPLETE FINAL STABILIZATION (TOPSOIL, SEEDING, MULCH, EROSION CONTROL BLANKET, SOD, ETC.)
- REMOVE TEMPORARY EROSION CONTROLS AND ACCUMULATED SEDIMENT FROM AREAS THAT HAVE ESTABLISHED AT LEAST 70 PERCENT UNIFORM PERMANENT VEGETATIVE COVER.
- RE-STABILIZE AREAS DISTURBED BY REMOVAL ACTIVITIES.
- ANY AND ALL SLOPES GREATER THAN 3:1 TO BE STABILIZED USING SOLID SODDING.

CONSTRUCTION ADHERENCE

- THE ENTIRE STORMWATER MANAGEMENT SYSTEM HAS BEEN BUILT IN STRICT ACCORDANCE WITH THE APPROVED PLANS.
- SUBSTANTIAL DEVIATIONS FROM THE APPROVED PLANS ARE NOT PERMITTED.

POTENTIAL CONSEQUENCES OF DEVIATIONS

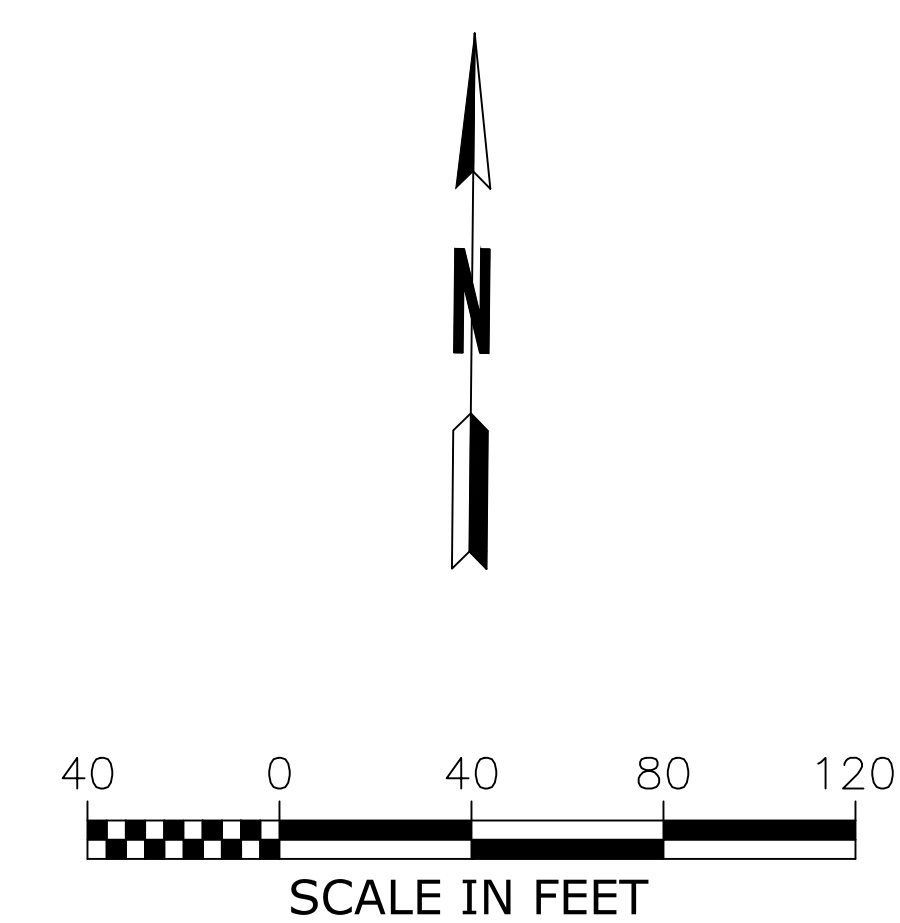
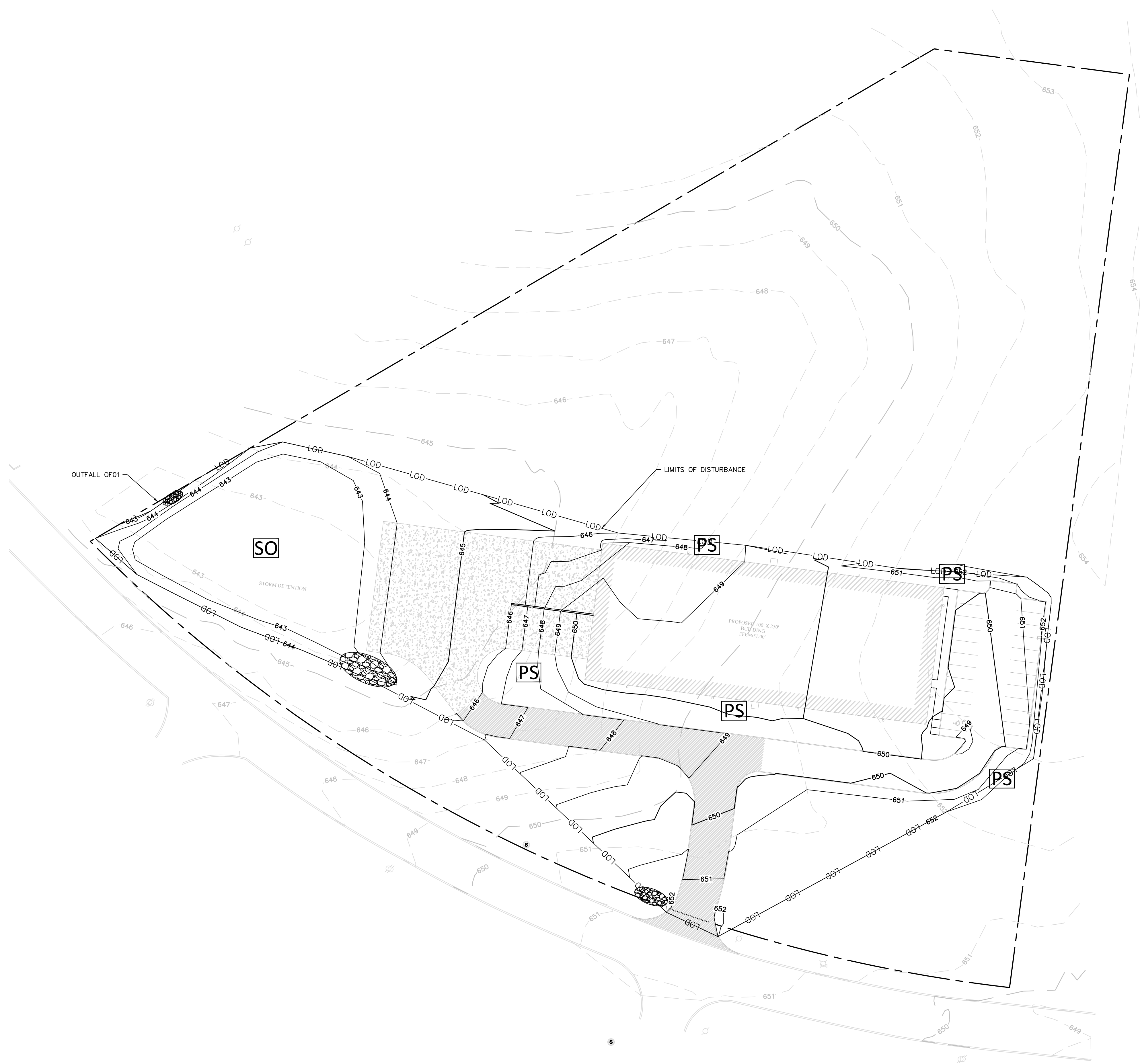
IF SIGNIFICANT DEVIATIONS ARE FOUND, THE FOLLOWING ACTIONS MAY BE REQUIRED:

1. REVISIONS BY THE PROFESSIONAL ENGINEER
2. RE-APPROVAL BY THE REGULATORY AGENCY INCLUDING TDEC AND/OR TDOT.
3. RECONSTRUCTION BY THE CONTRACTOR

SYSTEM FUNCTIONALITY

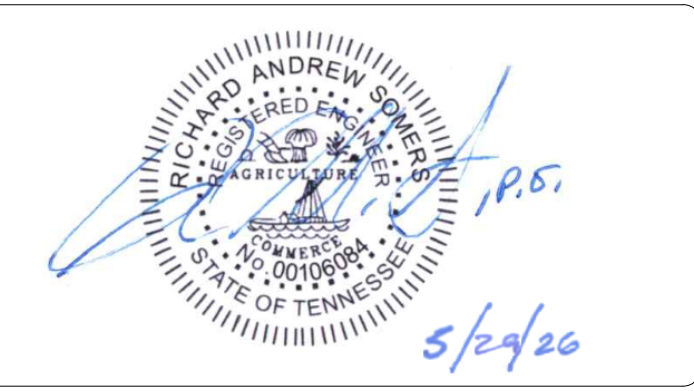
- THE SYSTEM MUST FUNCTION AS DESIGNED AND COMPLY WITH ALL APPLICABLE REGULATORY CRITERIA.
- ANY UNFORESEEN ACTIVITIES THAT COULD POTENTIALLY COMPROMISE THE FUNCTION OR MAINTAINABILITY OF THE SYSTEM MUST BE ADDRESSED IMMEDIATELY.

IT IS CRUCIAL THAT ALL STAKEHOLDERS ADHERE TO THESE GUIDELINES TO ENSURE THE PROPER FUNCTIONING AND REGULATORY COMPLIANCE OF THE STORMWATER MANAGEMENT SYSTEM.



REVISIONS

NO.	DESCRIPTION	DATE



SOMERS CONSULTING SERVICES, LLC.
 ANDY SOMERS, P.E.
 (256) 603-4888
 2206 SHADES CREST RD
 HUNTSVILLE, AL 35801

HILL CONSTRUCTION, LLC
 (256) 710-7333
 1117 NORTH LOCUST AVENUE
 LAWRENCEBURG, TN 38464

DRAWN: AG
CHECKED: AS

SHEET NAME:
 EROSION CONTROL PLAN
 STAGE III

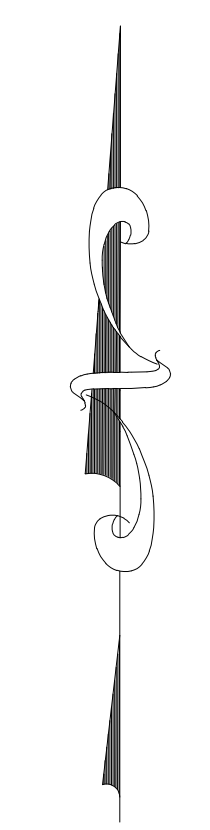
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SHEET NO: 12 OF 12



SOMERS CONSULTING SERVICES, LLC

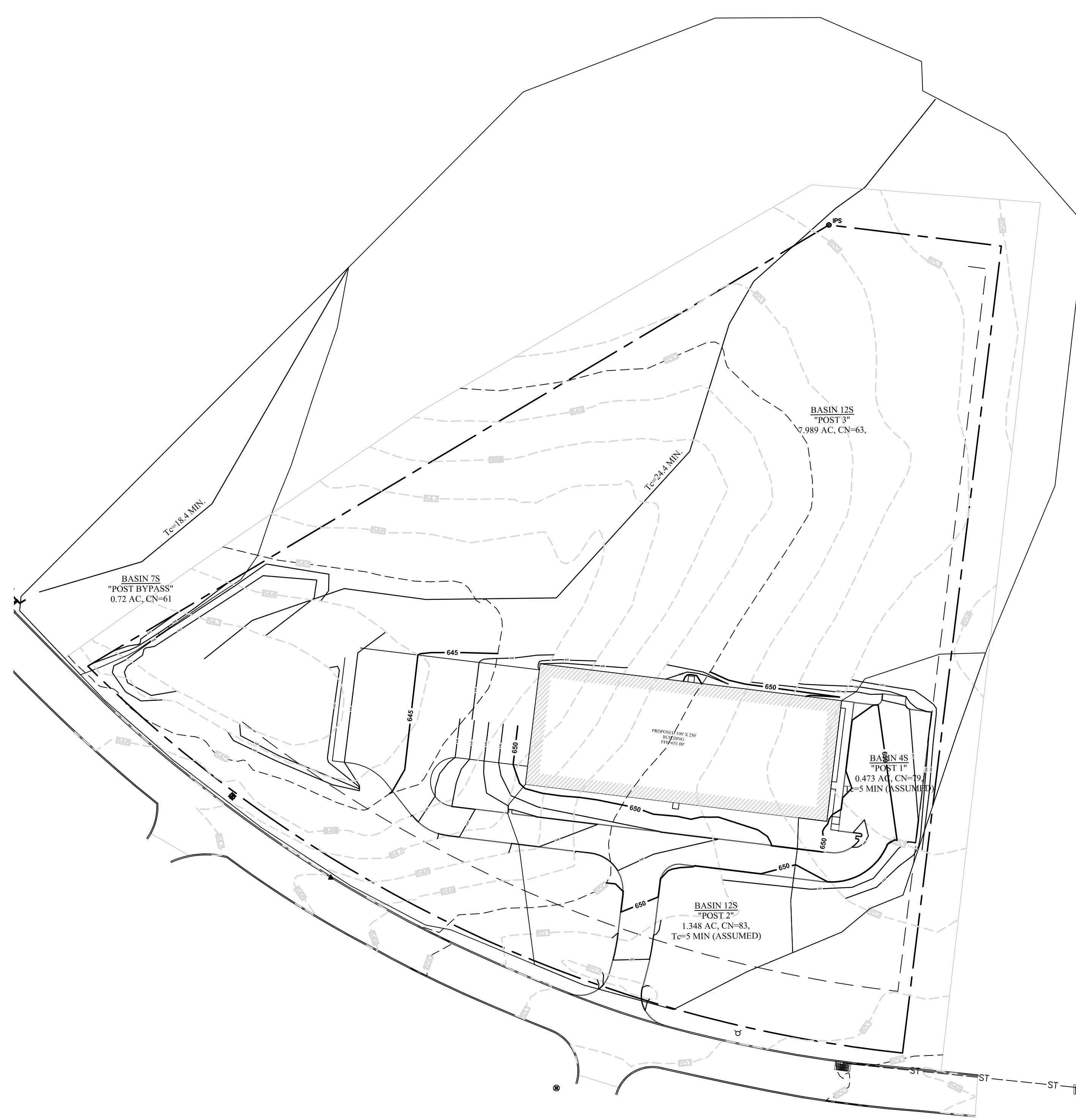
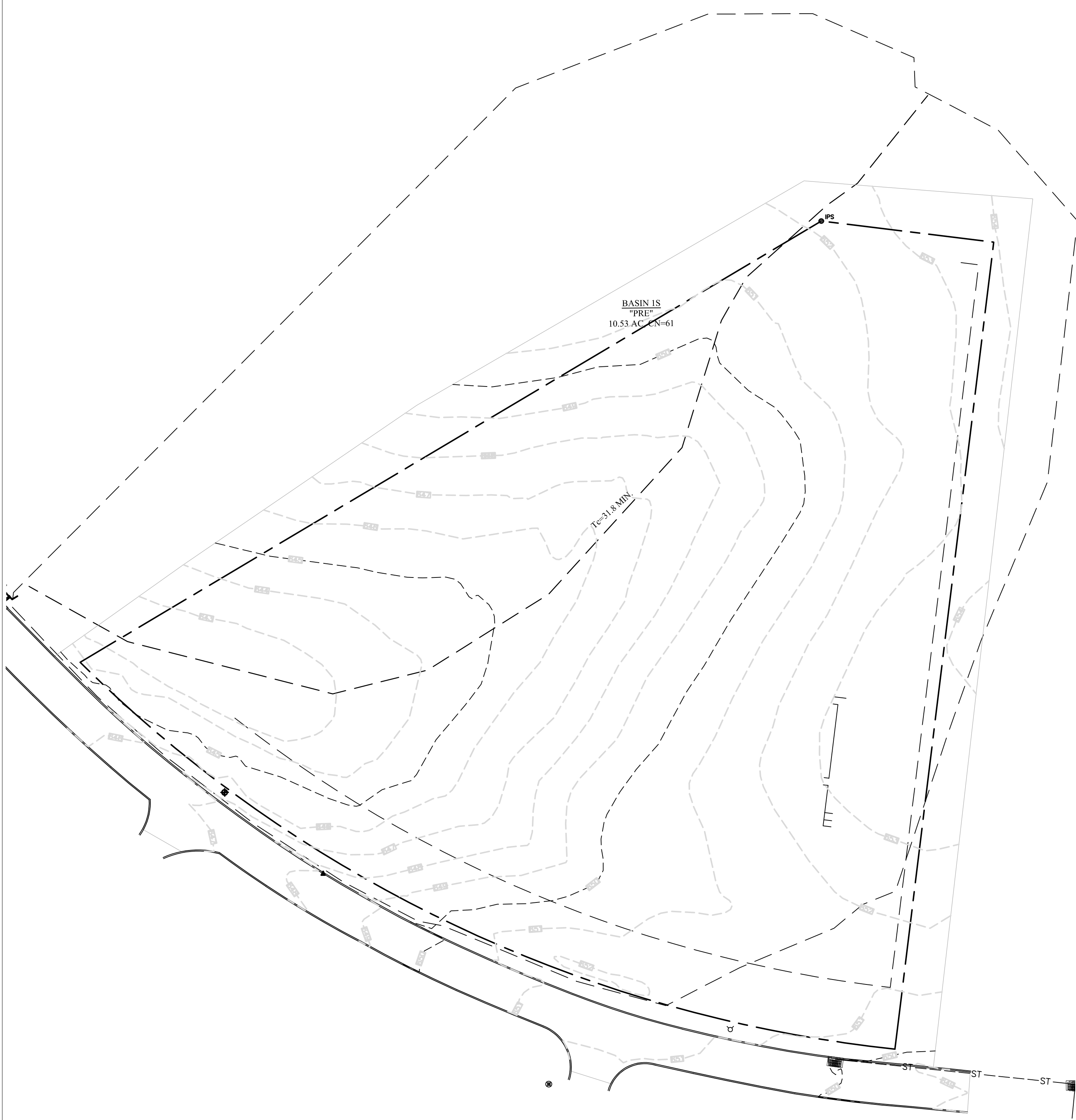
STORM EVENT	RUNOFF		MAX. WATER CREST IN POND
	PRE-DEVELOPMENT	POST-DEVELOPMENT	
2-YEAR	3.89 CFS	3.26 CFS	643.21
10-YEAR	12.77 CFS	6.59 CFS	643.85
25-YEAR	18.38 CFS	10.29 CFS	644.20
100-YEAR	28.31 CFS	28.46 CFS	644.72

TOTAL VOLUME OF DETENTION POND = 36,453 CUBIC FEET
TOP OF POND AT 644.50' ELEVATION



PRE

POST



**LINEAGE METALS -
CHERRY GLEN INDUSTRIAL PARK**
JOE FRANK PORTER ROAD
MT. PLEASANT, TN 38474

MAY 28, 2026

SOMERS CONSULTING SERVICES, LLC.
ANDY SOMERS, P.E.
(256) 603-4888
2206 SHADES CREST RD
HUNTSVILLE, AL 35801

LINEAGE METALS
(925) 330-6747
2737 COUCHVILLE PIKE, SUITE 300
NASHVILLE, TN 37217

DRAWN: AS	CHECKED: AS
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SHEET NAME:
HYDROLOGY

SCALE: 1"=60'	SHEET NO: 1 OF 1
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RESOLUTION 2026-PC-02
A RESOLUTION TO ESTABLISH A SEWER LINE MAINTENANCE BOND FOR
TRACTOR SUPPLY COMPANY

WHEREAS, an application was submitted to the Mount Pleasant Planning Commission for approval of a sewer line maintenance bond, filed with the Chief Enforcing Officer of the City of Mount Pleasant and presented to the Planning Commission on June 9, 2026; and

WHEREAS, the Mount Pleasant Planning Commission approved the final plat upon certain conditions, including the requirement that a **two (2) year maintenance surety** in the amount of **\$111,260.00** be filed with and accepted by the Planning Commission to guarantee the following public improvement for Tractor Supply Company (TSC):

- Off-site sewer line, approximately 800 feet

WHEREAS, in the event that any required improvements have not been installed as provided by said resolution within the term of the final performance letter of credit, the governing body may declare the letter of credit in default and collect the remaining payable sum. Upon receipt of the proceeds, the local government shall install such improvements as covered by the letter of credit; and

WHEREAS, upon completion of the off-site public improvement listed above, Tractor Supply Company (TSC) shall be required to file a **two (2) year maintenance bond** with the City of Mount Pleasant Planning Commission prior to the dedication and acceptance of said public improvement by recommendation to the Board of Commissioners.

NOW, THEREFORE, BE IT RESOLVED BY THE MUNICIPAL PLANNING COMMISSION AS FOLLOWS:

1. The Municipal Planning Commission hereby requires and accepts a maintenance bond in the amount of **\$111,260.00** for Tractor Supply Company (TSC) to guarantee the off-site sewer line improvement of approximately 800 feet for a period of **two (2) years**.

Passed and adopted this 9th day of June, 2026.

ATTEST:

JOHN HUNTER, CHAIRMAN

PAM JOHNSTON, SECRETARY

LEGAL FORM APPROVED:

KORI BLEDSOE JONES, ATTORNEY



City of Mount Pleasant
"Experience Our History...Explore Our Possibilities"
Department of Planning and Zoning



Staff Comments: Resolution 2026-PC-02

Mount Pleasant Planning Commission
From: Chris Brooks, Planning Director
Date: June 9, 2026
Subject: Sewer Line Maintenance Bond – Tractor Supply Company (TSC)
Resolution 2026-PC-02

Applicant

Tractor Supply Company
207 S. Cross Bridges Road
Mt. Pleasant, TN

Request

Approval of a two-year sanitary sewer maintenance bond for the off-site sewer line extension serving the new Tractor Supply development.

Background & Basis for Request

As part of the Tractor Supply development, the City required installation of an off-site sanitary sewer main extension consisting of approximately 800 linear feet of sewer main and related structures. This improvement has been installed and is ready for dedication pending issuance of the maintenance bond.

COST OF IMPROVEMENTS

A letter from Bradford Building Co. dated May 29, 2026, certifies the total construction cost at \$386,991. Based on City policy, the maintenance bond requirement is 25% plus 15% of construction cost, totaling \$111,260.00.

MAINTENANCE BOND DOCUMENT

The applicant has submitted a draft Maintenance Bond issued by Liberty Mutual Insurance Company, covering maintenance of approximately 800 LF of sanitary sewer main and associated structures. The bond includes all required performance, defect, and claim provisions.

RESOLUTION 2026-PC-02

The resolution accepts the maintenance bond in the amount of \$111,260.00 for a period of two years to guarantee the off-site sewer improvement.

STAFF RECOMMENDATION

Staff recommends approval of Resolution 2026-PC-02, subject to the submission of a fully executed maintenance bond including all signatures, dates, and bond number, and verification and acceptance by the City Commissioners.



BRADFORD BUILDING
2151 Old Rocky Ridge Rd #100
Birmingham, Alabama 35216
p.205.970.4975 f.205.970.4904

May 29, 2026

Mr. Jason Chinnis
Tractor Supply Co
5401 Virginia Way
Brentwood, TN 37027

Re: **Maintenance Bond for Sewer Main Extension**
Tractor Supply
207 S Cross Bridges Rd
Mt Pleasant, TN 38474

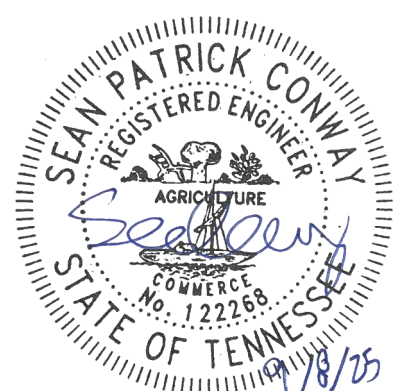
Dear Jason:

The cost for the sanitary sewer main extension and all involved scope is \$386,991.

Please let me know if you need anything further.

Sincerely,

Justin Arrington
Vice President
Bradford Building Co., Inc.



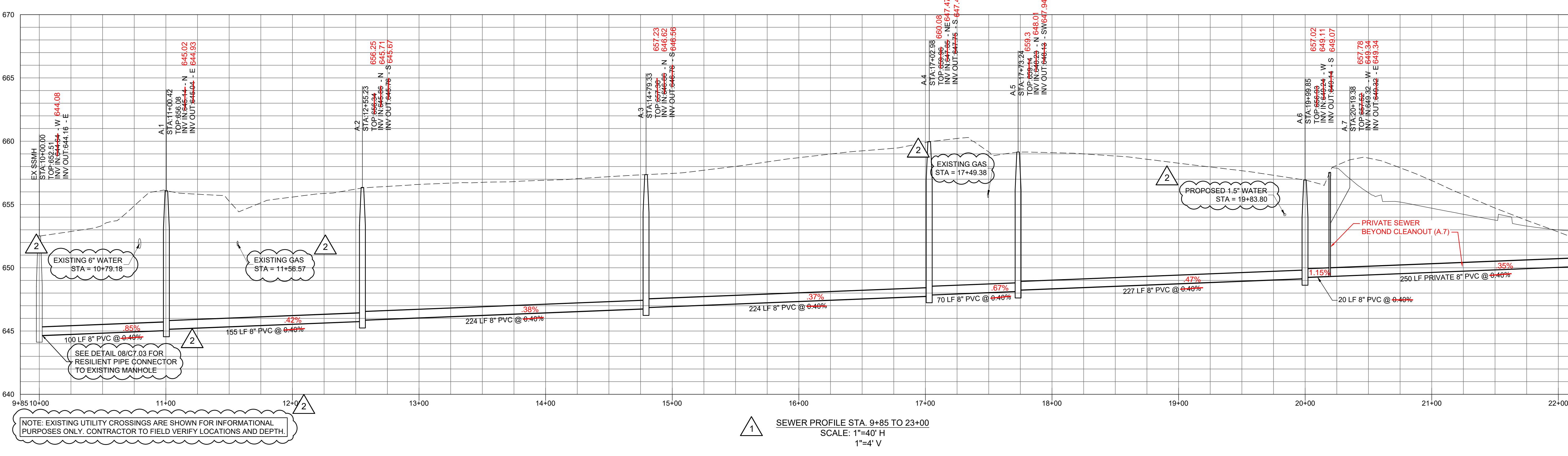
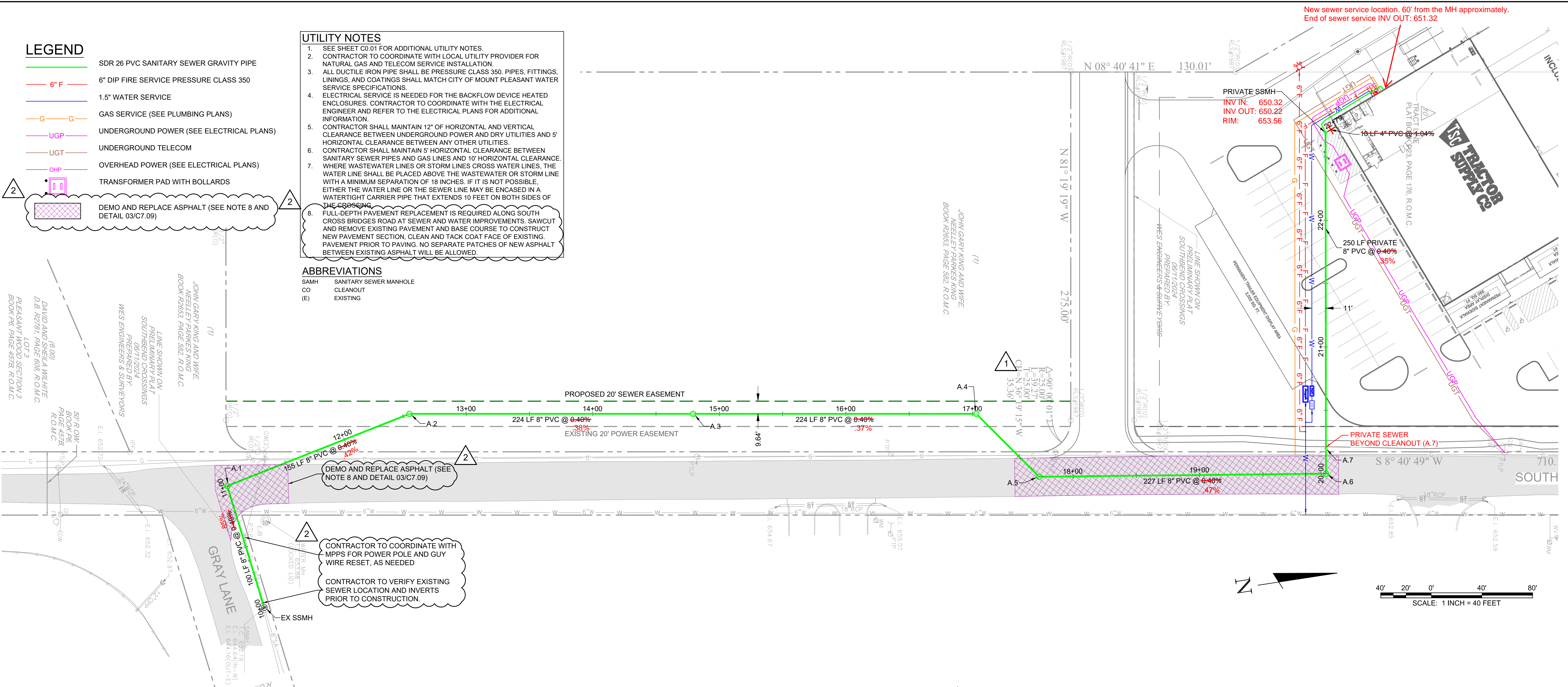
SEWER PLAN AND PROFILE
GBT REALTY
TRACTOR SUPPLY COMPANY - MT PLEASANT
CITY OF MT PLEASANT, MAURY COUNTY, TENNESSEE

REV	DR	CHK	DATE	DESCRIPTION
0			05/16/2025	ISSUED FOR GRADING PERMIT
1	BH	SC	05/16/2025	REVISIONS
2	BH	SC	05/16/2025	COMMENT REVISIONS

- LEGEND**
- SDR 26 PVC SANITARY SEWER GRAVITY PIPE
 - 6" DIP FIRE SERVICE PRESSURE CLASS 350
 - 1.5" WATER SERVICE
 - GAS SERVICE (SEE PLUMBING PLANS)
 - UGP UNDERGROUND POWER (SEE ELECTRICAL PLANS)
 - UGT UNDERGROUND TELECOM
 - OHP OVERHEAD POWER (SEE ELECTRICAL PLANS)
 - TRANSFORMER PAD WITH BOLLARDS
 - DEMO AND REPLACE ASPHALT (SEE NOTE 8 AND DETAIL 03/C7.09)

- UTILITY NOTES**
- SEE SHEET C0.01 FOR ADDITIONAL UTILITY NOTES.
 - CONTRACTOR TO COORDINATE WITH LOCAL UTILITY PROVIDER FOR NATURAL GAS AND TELECOM SERVICE INSTALLATION.
 - ALL DUCTILE IRON PIPE SHALL BE PRESSURE CLASS 350. PIPES, FITTINGS, LININGS, AND COATINGS SHALL MATCH CITY OF MOUNT PLEASANT WATER SERVICE SPECIFICATIONS.
 - ELECTRICAL SERVICE IS NEEDED FOR THE BACKFLOW DEVICE HEATED ENCLOSURES. CONTRACTOR TO COORDINATE WITH THE ELECTRICAL ENGINEER AND REFER TO THE ELECTRICAL PLANS FOR ADDITIONAL INFORMATION.
 - CONTRACTOR SHALL MAINTAIN 12" OF HORIZONTAL AND VERTICAL CLEARANCE BETWEEN UNDERGROUND POWER AND DRY UTILITIES AND 5' HORIZONTAL CLEARANCE BETWEEN ANY OTHER UTILITIES.
 - CONTRACTOR SHALL MAINTAIN 5' HORIZONTAL CLEARANCE BETWEEN SANITARY SEWER PIPES AND GAS LINES AND 10' HORIZONTAL CLEARANCE WHERE WASTEWATER LINES OR STORM LINES CROSS WATER LINES. THE WATER LINE SHALL BE PLACED ABOVE THE WASTEWATER OR STORM LINE WITH A MINIMUM SEPARATION OF 18 INCHES. IF IT IS NOT POSSIBLE, EITHER THE WATER LINE OR THE SEWER LINE MAY BE ENCASED IN A WATERTIGHT CARRIER PIPE THAT EXTENDS 10 FEET ON BOTH SIDES OF THE CROSSINGS.
 - FULL-DEPTH PAVEMENT REPLACEMENT IS REQUIRED ALONG SOUTH CROSS BRIDGES ROAD AT SEWER AND WATER IMPROVEMENTS. SAWCUT AND REMOVE EXISTING PAVEMENT AND BASE COURSE TO CONSTRUCT NEW PAVEMENT SECTION. CLEAN AND TACK COAT FACE OF EXISTING. PAVEMENT PRIOR TO PAVING. NO SEPARATE PATCHES OF NEW ASPHALT BETWEEN EXISTING ASPHALT WILL BE ALLOWED.

- ABBREVIATIONS**
- SAMH SANITARY SEWER MANHOLE
 - CO CLEANOUT
 - (E) EXISTING



NOTE: EXISTING UTILITY CROSSINGS ARE SHOWN FOR INFORMATIONAL PURPOSES ONLY. CONTRACTOR TO FIELD VERIFY LOCATIONS AND DEPTH.

1 SEWER PROFILE STA. 9+85 TO 23+00
SCALE: 1"=40' H
1"=4' V

USER: BHEIGL
FILE: \\pwr\bwac\mtd\proj\3868007\04_CAD\CIVIL\LOT13868007_C3.01 - Sewer Profile.dwg
SAVED: 05/16/2025
PLOTTED: 05/16/2025

RESOLUTION 2026-PC-03
A RESOLUTION TO ESTABLISH A SIDEWALK PERFORMANCE BOND FOR TRACTOR SUPPLY COMPANY (TSC)

WHEREAS, an application was submitted to the Mount Pleasant Planning Commission for approval of a sidewalk performance bond for **Tractor Supply Company (TSC)**, filed with the Chief Enforcing Officer of the City of Mount Pleasant and presented to the Planning Commission on June 9, 2026; and

WHEREAS, the Mount Pleasant Planning Commission approved the Site Plan requiring the construction of approximately **660 linear feet of private sidewalk** along South Cross Bridges Road, which will not be completed prior to the final inspection needed for issuance of a Certificate of Occupancy; and

WHEREAS, the Developer shall, within one (1) year from the date of this resolution, construct and complete the required sidewalk improvements in accordance with local government specifications; and

WHEREAS, in the event that any required improvements have not been installed within the term of the performance bond, the governing body may declare the bond in default and collect the remaining payable amount. Upon receipt of the proceeds, the local government shall install the improvements covered by the performance bond; and

NOW, THEREFORE, BE IT RESOLVED BY THE MUNICIPAL PLANNING COMMISSION AS FOLLOWS:

1. The Municipal Planning Commission hereby requires and accepts a **performance bond in the amount of \$34,500.00** for Tractor Supply Company (TSC) to guarantee the installation of approximately **660 feet of private sidewalk**, as required on the approved Site Plan.

Passed and adopted this 9th day of June, 2026.

ATTEST:

JOHN HUNTER, CHAIRMAN

PAM JOHNSTON, SECRETARY

LEGAL FORM APPROVED:

KORI BLEDSOE JONES, ATTORNEY



City of Mount Pleasant
"Experience Our History...Explore Our Possibilities"
Department of Planning and Zoning



Staff Comments: Resolution 2026-PC-03

To: Mount Pleasant Municipal Planning Commission
From: Chris Brooks, Planning Director
Date: June 9, 2026
Subject: Sidewalk Performance Bond – Tractor Supply Company (TSC)

Applicant

Tractor Supply Company (TSC)
207 S. Cross Bridges Road
Mount Pleasant, TN 38474

Request

The applicant requests approval of a sidewalk performance bond to cover the construction of required sidewalk improvements along South Cross Bridges Road. These improvements cannot be completed prior to the Final Inspection for the Certificate of Occupancy due to pending utility pole and line relocation.

Background & Basis for Request

1. Required Sidewalk Improvements

The Mount Pleasant Planning Commission previously approved the TSC site plan requiring approximately 660 linear feet of sidewalk along S. Cross Bridges Road.

2. Cost Estimate for Improvements

Bradford Building Co. provided an estimate dated May 29, 2026 stating that the 660 feet of public sidewalk will cost \$30,000 to construct.

3. Resolution Establishing Performance Bond Amount

Draft Resolution 2026-PC-03 establishes the performance bond for TSC, requiring completion within one year and setting the bond at \$34,500.

4. Performance Bond Instrument (Draft)

The submitted Performance Bond guarantees installation of approximately 660 LF of sidewalk and identifies the Principal and Surety.

Staff Findings

1. The required sidewalk length (660 LF) is consistent across site plan, cost estimate, and draft bond.
2. The cost estimate of \$30,000 is appropriate.
3. The proposed bond amount of \$34,500 includes contingency and administrative costs.
4. The draft bond includes all necessary legal conditions.



BRADFORD BUILDING
2151 Old Rocky Ridge Rd #100
Birmingham, Alabama 35216
p.205.970.4975 f.205.970.4904

May 29, 2026

Mr. Jason Chinnis
Tractor Supply Co
5401 Virginia Way
Brentwood, TN 37027

Re: **Performance Bond for Public Sidewalk**
Tractor Supply
207 S Cross Bridges Rd
Mt Pleasant, TN 38474

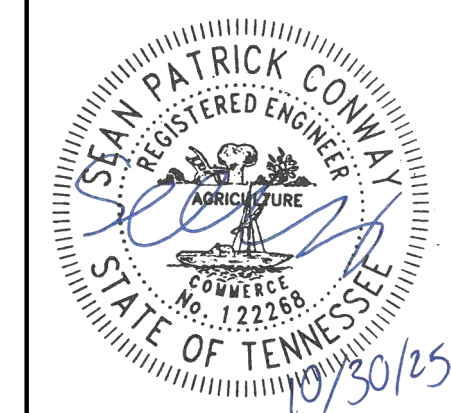
Dear Jason:

The cost for the 660' public sidewalk along S Cross Bridges Rd, to be completed once power pole and line relocation is completed, is \$30,000.

Please let me know if you need anything further.

Sincerely,

Justin Arrington
Vice President
Bradford Building Co., Inc.



SITE LAYOUT PLAN

GBT REALTY
TRACTOR SUPPLY COMPANY - MT PLEASANT
CITY OF MT PLEASANT, MAURY COUNTY, TENNESSEE

REV.	OR.	CHK.	DATE	DESCRIPTION
0	BH	SC	05/16/2025	ISSUED FOR GRADING PERMIT
1	BH	SC	10/03/2025	COMMENTS REVISIONS
2	BH	SC	10/03/2025	COMMENTS REVISIONS

C1.00
FILE NO. 3868007

LEGEND

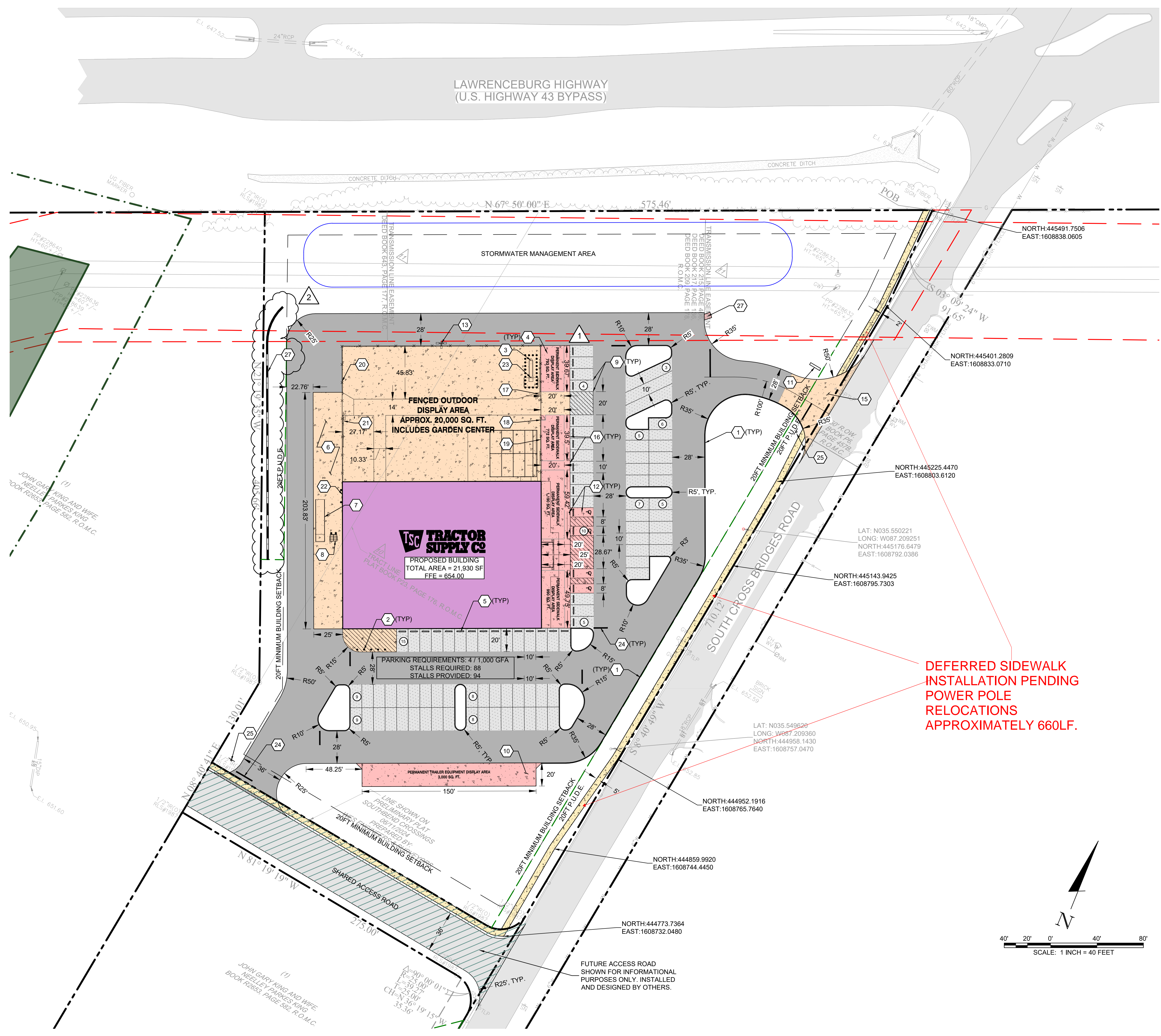
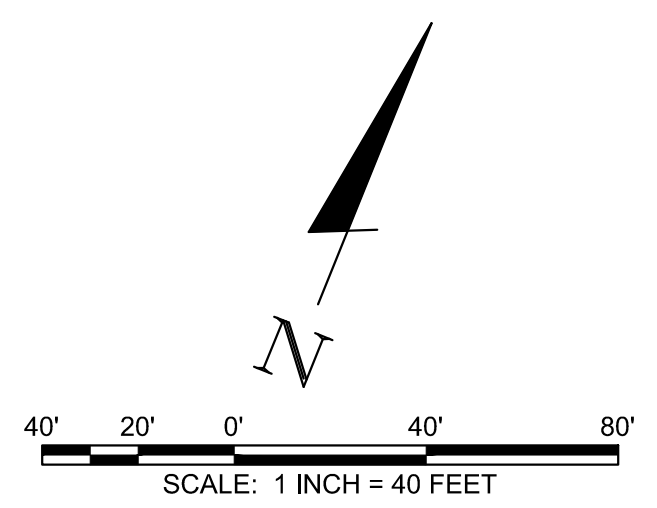
- 651 --- EXISTING MINOR CONTOUR
- 650 --- EXISTING MAJOR CONTOUR
- - - - - PROPERTY LINE
- - - - - MINIMUM BUILDING SETBACK
- - - - - TRANSMISSION LINE EASEMENT
- - - - - PROPOSED P.U.D.E.
- [Pattern] CONCRETE SIDEWALK
- [Pattern] LIGHT-DUTY CONCRETE PAVEMENT
- [Pattern] HEAVY-DUTY CONCRETE PAVEMENT
- [Pattern] LIGHT-DUTY ASPHALT PAVEMENT
- [Pattern] HEAVY-DUTY ASPHALT PAVEMENT

SITE KEYNOTES

- 1 POST CURB
- 2 6" PIPE BOLLARDS
- 3 BULK PROPANE TANK LOCATION (SEE ARCH PLANS)
- 4 SIDEWALK DISPLAY AREA
- 5 CONCRETE WHEEL STOP
- 6 LOADING AREA (SEE ARCH PLANS)
- 7 RECEIVING RAMP (SEE ARCH PLANS)
- 8 TRASH ENCLOSURE (SEE ARCH PLANS)
- 9 PAVEMENT STRIPING (4" TDOT TRAFFIC PAINT)
- 10 PERMANENT TRAILER & EQUIPMENT DISPLAY AREA
- 11 TSC PYLON SIGN (SEE ARCH PLANS)
- 12 ACCESSIBLE PARKING AND SIGNAGE
- 13 PROPOSED LIGHT POLE (SEE ELEC PLANS)
- 14 4" PAINTED YELLOW STRIPING INDICATING EXTENT OF SIDEWALK DISPLAY AREA
- 15 COMMERCIAL DRIVEWAY RAMP
- 16 FLUSH CURB
- 17 20' MANUAL ROLLING CANTILEVERED GATE (SEE ARCH PLANS)
- 18 4' EGRESS MAN GATE (SEE ARCH PLANS)
- 19 8' HIGH CHAIN LINK FENCE WITH PRIVACY WINDSCREEN AT FRONT OF LIVE GOODS CENTER ONLY (SEE ARCH PLANS)
- 20 18' HIGH CHAIN LINK FENCE WITH PRIVACY WINDSCREEN (SEE ARCH PLANS)
- 21 20' AUTOMATIC ROLLING CANTILEVERED GATE (SEE ARCH PLANS)
- 22 OVERHEAD DOOR LOCATION LEVEL (SEE ARCH PLANS)
- 23 METAL CANOPY AT PROPANE TANK (SEE ARCH PLANS)
- 24 STOP BAR (24" X 12" WHITE TDOT TRAFFIC PAINT)
- 25 STOP SIGN (TDOT STANDARD DRAWING T-S-20)
- 26 CONCRETE FLUME
- 27 PROPOSED RETAINING WALL (CONTRACTOR TO PROVIDE PLANS)

GENERAL NOTES

- CONTRACTOR TO REPLACE ANY PAVEMENT MARKING REMOVED DURING INSTALLATION OF SIDEWALK, CURB AND GUTTER, AND PAVEMENT.
- ALL DIMENSIONS ARE TO FACE OF CURB, WALL, OR BUILDING UNLESS OTHERWISE NOTED.
- IT IS RECOMMENDED THAT THE CONTRACTOR REVIEW AND FOLLOW THE AMERICAN CONCRETE PAVING ASSOCIATION 10-STEP JOINTING METHOD (IS306P) FOR DETERMINING JOINT LAYOUT. CONTRACTOR TO SUBMIT A JOINTING PLAN FOR REVIEW.



USER:BDHEIGL
FILE:\p\p\bwac\midia\PRJ\0279\3868007\04_CAD\CIVIL\013868007_01.00 - Site Layout Plan.dwg
SAVED:10/30/2025
PLOTTED:10/30/2025