

DESIGN PLAN  
FOR

LEONARD DEVELOPEMENT, LLC

TAX MAP 023, PARCEL 049.00  
4TH CIVIL DISTRICT, JEFFERSON CITY, TN

INDEX OF PLANS

| SHEET NO. | DESCRIPTION                     |
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| 4         | ROAD PROFILES                   |
| 5         | GRADING & DRAINAGE              |
| 6-8       | EROSION & SEDIMENT CONTROL PLAN |
| 9         | DETAILS                         |



OWNER/DEVELOPER

LEONARD DEVELOPEMENT, LLC  
119 WESTFIELD ROAD  
KNOXVILLE, TN 37919

BATSON, HIMES, NORVELL & POE  
REGISTERED ENGINEERS & LAND SURVEYORS  
4334 PAPERMILL DRIVE  
KNOXVILLE, TENNESSEE 37909  
PHONE (865) 588-6472  
FAX (865) 588-6473



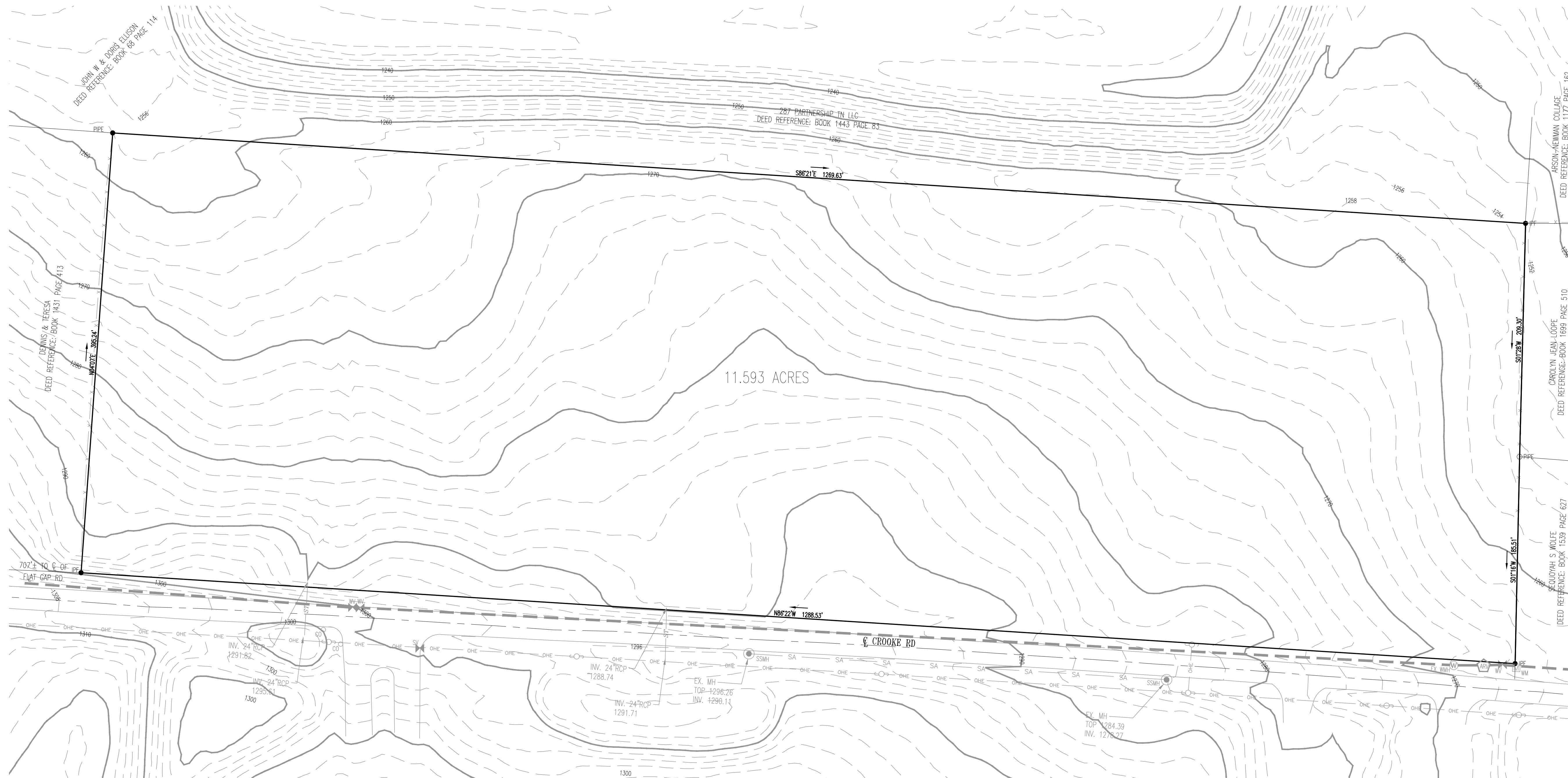
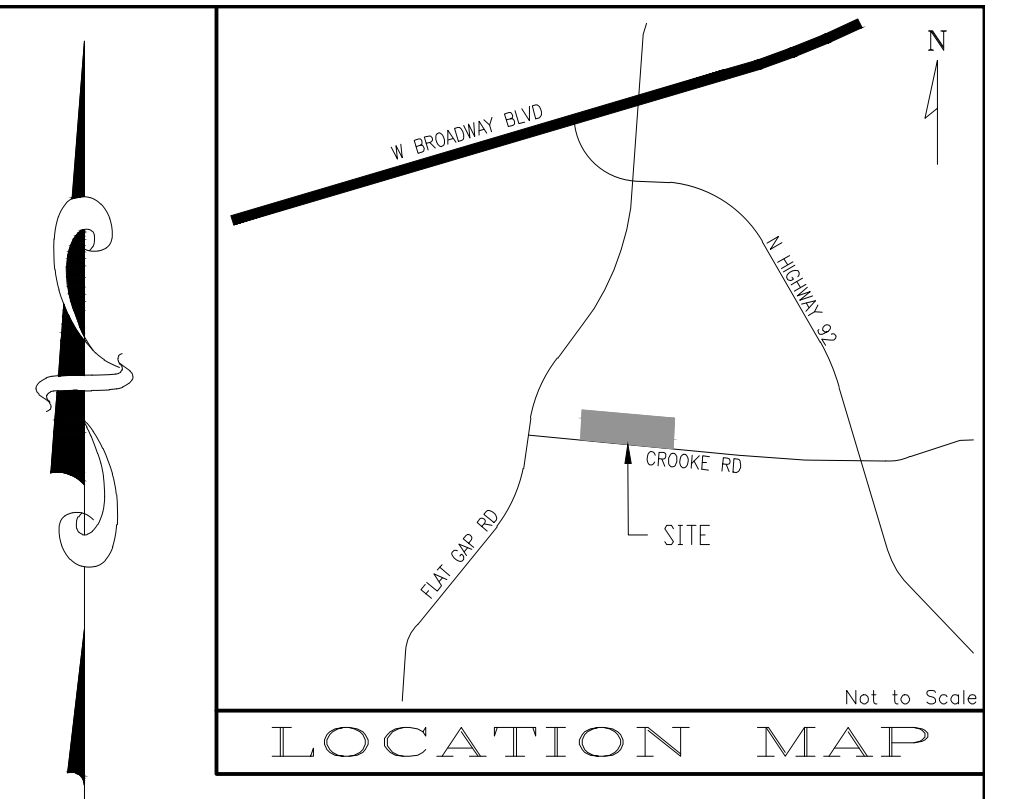
OCTOBER 8, 2025

SHEET 1 OF 9 SHEETS  
25730-TS



NOTE:  
CONTRACTOR TO NOTIFY ENGINEER  
BEFORE START OF CONSTRUCTION

OSHA RULES SHALL BE ABIDED BY.



1. ALL DIMENSIONS ARE SCALED AND SUBJECT TO CHANGE ON THE FINAL PLAT.
2. A 10' DRAINAGE, UTILITY AND CONSTRUCTION EASEMENT EXISTS INSIDE ALL EXTERIOR LOT LINES AND ROAD LINES, 5' EACH SIDE OF INTERIOR ROAD LINES.
3. A 15' UTILITY EASEMENT EXISTS 7.5' EACH SIDE OF CENTERLINE OF SANITARY SEWER AS INSTALLED.
4. THIS PROPERTY CONTAINS APPROXIMATELY 11.5683 ACRES SUBDIVIDED INTO 58 SINGLE FAMILY LOTS.
5. THIS PROPERTY IS IN THE JEFFERSON CITY URBAN GROWTH BOUNDARY.
6. ALL ROAD PROFILES ARE BASED ON LIDAR COUNTOURS.
7. UTILITIES:  
WATER: JEFFERSON CITY PUBLIC WORKS  
SEWER: JEFFERSON CITY PUBLIC WORKS  
ELECTRIC: APPALACHIAN POWER  
GAS: JEFFERSON-COCKE COUNTY UTILITY DISTRICT  
TELEPHONE:
8. GEOTECHNICAL ENGINEER SHALL CERTIFY THE SOLE STABILITY ON ALL FILL SLOPES.
9. BUILDING SETBACKS ARE AS FOLLOWS:  
FRONT- 20'  
REAR- 20'  
SIDE- 8'
10. EXISTING UTILITY LOCATIONS SHOWN HEREON ARE APPROXIMATE AND ARE BASED ON AVAILABLE INFORMATION. CONTRACTOR IS RESPONSIBLE TO FIELD LOCATE ALL UTILITIES, BOTH HORIZONTALLY AND VERTICALLY PRIOR TO CONSTRUCTION.



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| 25730-EX |               |
| SHEET 2  | OF 9 SHEET(S) |

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email@bhn-p.com

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10/8/25

TAX MAP 023, PARCEL 049.00  
4TH CIVIL DISTRICT, JEFFERSON CITY, TN

5730-EX

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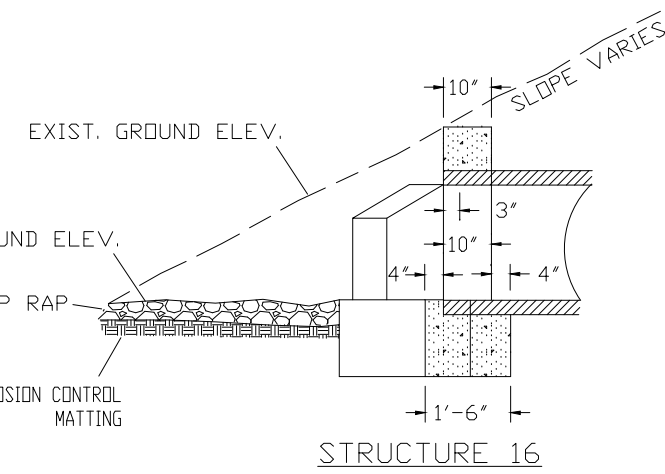
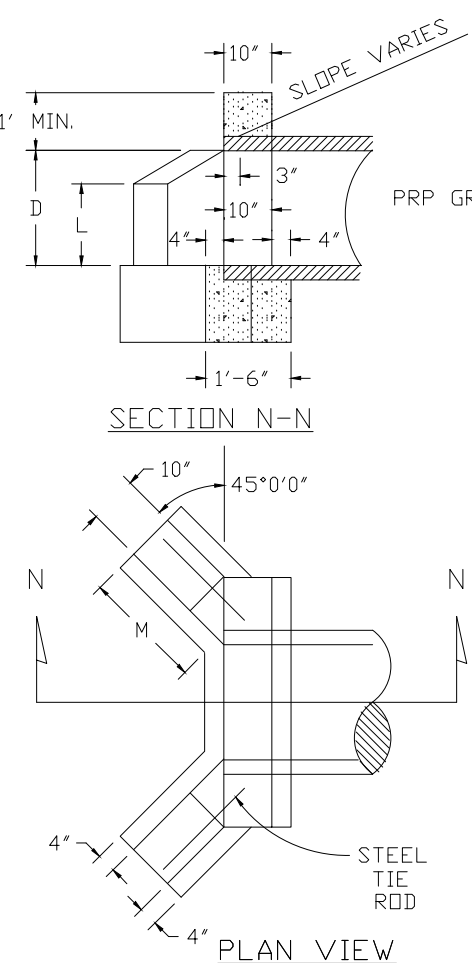
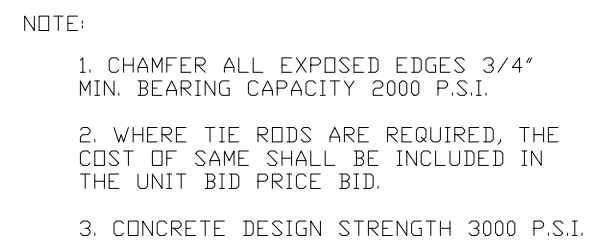
9 SHEET(S)

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NOTE:  
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| DIMENSIONS |                |       |        |       |         |       | QUANTITIES IN END WALL |         |         |                |
|------------|----------------|-------|--------|-------|---------|-------|------------------------|---------|---------|----------------|
| OPENING    |                | WALL  |        |       | FOOTING |       | CONCRETE 3,000 P.S.I.  |         |         | STEEL          |
| D          | AREA<br>S.F.T. | H     | G      | L     | M       | F     | TOTAL CU. YARDS        |         |         | TIE RODS       |
|            |                |       |        |       |         |       | CONC.PIE               | C.M.PIE | C.I.PIE |                |
| 15'        | 1.2            | 2'-3" | 3'-7"  | 1'-0" | 1'-3"   | 1'-3" | 0.58                   | 0.61    | 0.61    | NONE           |
| 18'        | 1.8            | 2'-6" | 3'-10" | 1'-2" | 1'-7"   | 1'-3" | 0.76                   | 0.79    | 0.79    | NONE           |
| 24'        | 3.1            | 3'-0" | 4'-4"  | 1'-5" | 2'-1"   | 1'-4" | 1.03                   | 1.08    | 1.08    | 2-3/4" x 2'-0" |
| 30'        | 4.9            | 3'-6" | 4'-10" | 1'-9" | 2'-5"   | 1'-6" | 1.34                   | 1.42    | 1.41    | 2-3/4" x 2'-0" |
| 36'        | 7.1            | 4'-0" | 5'-4"  | 2'-0" | 2'-11"  | 1'-8" | 1.74                   | 1.85    | 1.84    | 2-3/4" x 3'-0" |
| 42'        | 9.6            | 4'-6" | 5'-10" | 2'-3" | 3'-5"   | 2'-0" | 2.36                   | 2.49    | 2.49    | 2-3/4" x 3'-0" |
| 48'        | 12.6           | 5'-0" | 6'-4"  | 2'-6" | 4'-0"   | 2'-0" | 2.76                   | 2.92    | 2.92    | 2-3/4" x 3'-0" |

CONCRETE HEADWALL DETAIL  
WITH 45° WINGS FOR PIPE CULVERTS



1. ALL DIMENSIONS ARE SCALED AND SUBJECT TO CHANGE ON THE FINAL PLAN.
2. A 10' DRAINAGE UTILITY AND CONSTRUCTION EASEMENT EXISTS INSIDE ALL EXTERIOR LOT LINES AND ROAD LINES, 5' EACH SIDE OF EXTERIOR ROAD LINES.
3. A 15' UTILITY EASEMENT EXISTS 7.5' EACH SIDE OF CENTERLINE OF SANITARY SEWER AS INSTALLED.
4. THIS PROPERTY CONTAINS APPROXIMATELY 11.593 ACRES SUBDIVIDED INTO 58 SINGLE FAMILY LOTS.
5. THIS PROPERTY IS IN THE JEFFERSON CITY URBAN GROWTH BOUNDARY.
6. ALL ROAD PROFILES ARE BASED ON LEADAR CONTOURS.
7. UTILITIES:
  - WATER: JEFFERSON CITY PUBLIC WORKS
  - SEWER: JEFFERSON CITY PUBLIC WORKS
  - ELECTRIC: APPALACHIAN ELECTRIC
  - GAS: JEFFERSON-COCKE COUNTY UTILITY DISTRICTTELEPHONE:
8. GEOTECHNICAL ENGINEER SHALL CERTIFY THE SLOPE STABILITY ON ALL FILL SLOPES.
9. BUILDING SETBACKS ARE AS FOLLOWS:
  - FRONT- 20'
  - REAR- 20'
  - SIDE- 8'
10. EXISTING UTILITY LOCATIONS SHOWN HEREIN ARE APPROXIMATE AND ARE BASED ON AVAILABLE INFORMATION. CONTRACTOR IS RESPONSIBLE TO FIELD LOCATE ALL UTILITIES, BOTH HORIZONTALLY AND VERTICALLY PRIOR TO CONSTRUCTION.

NOTE:  
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SHEET 3 OF

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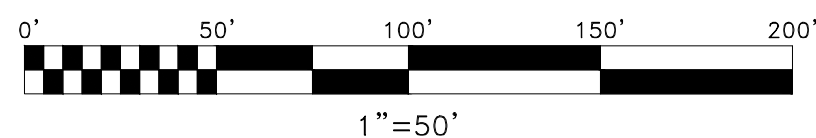
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SCALE  
HORIZONTAL: 1" = 50'  
VERTICAL: 2' INTERVAL

DATE \_\_\_\_\_

10/8/25

DEED REFERENCES: DEED BK 199 PG 489



SITE PLAN FOR  
LEONARD DEVELOPEMENT, LLC

TAX MAP 023, PARCEL 049.00  
4TH CIVIL DISTRICT, JEFFERSON CITY, TN



NOTE:  
THREE DAYS PRIOR TO ANY EARTHWORK OR CONSTRUCTION  
CONTRACTOR MUST CONTACT:  
TENNESSEE ONE-CALL  
1-800-351-1111  
RECORD AND SAVE YOUR CONFIRMATION NUMBER.

NOTE:

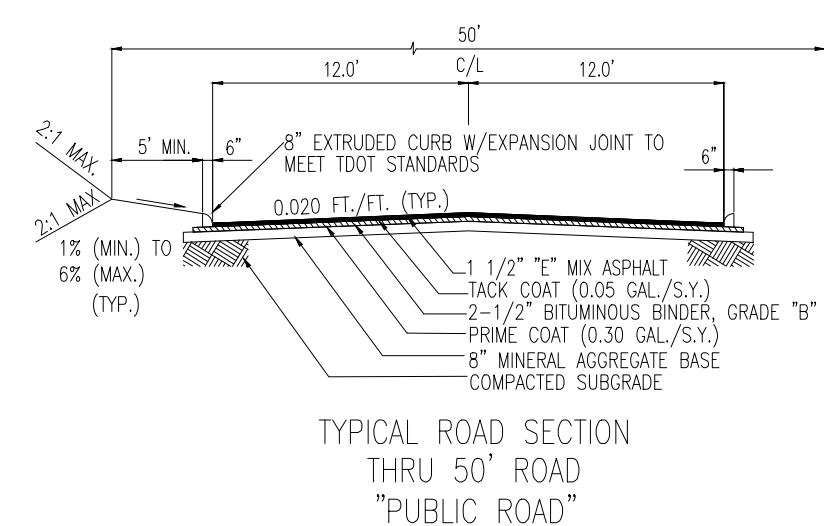
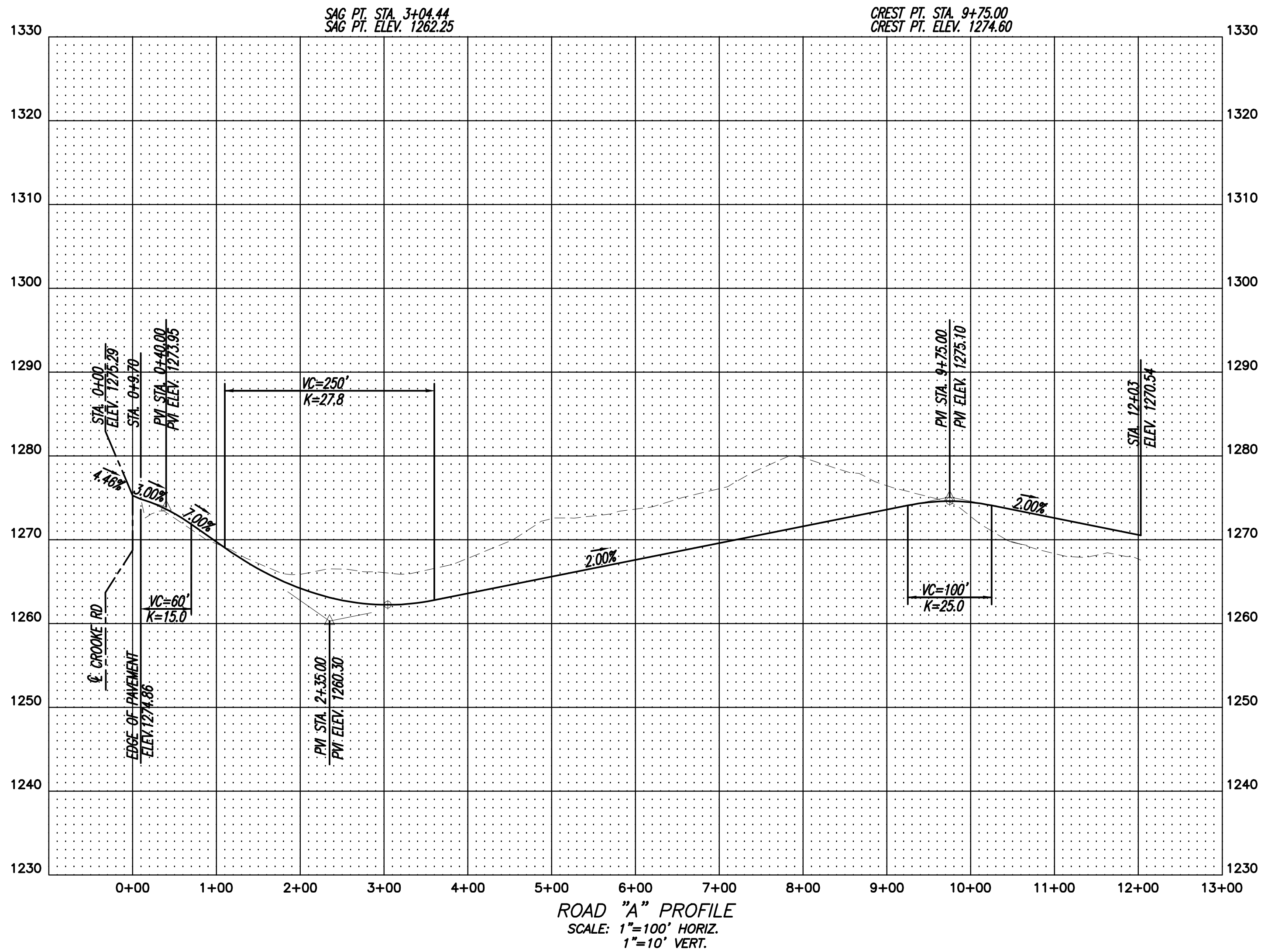
CONTRACTOR TO NOTIFY ENGINEER  
BEFORE START OF CONSTRUCTION

NOTE:

CONTRACTOR IS RESPONSIBLE FOR ALL TRENCH  
SAFETY

CONTRACTOR SHALL SHORE AND BRACE ALL OPEN  
CUT TRENCHES AS REQUIRED BY STATE AND  
FEDERAL LAWS AND LOCAL ORDINANCES; TO  
CONFORM WITH RECOMMENDATIONS SET FORTH IN  
ACC MANUAL OF ACCIDENT PREVENTION IN  
CONSTRUCTION; TO PROTECT LIFE, PROPERTY, OR  
WORK; TO AVOID EXCESSIVELY WIDE CUTS IN  
UNSTABLE MATERIAL.

OSHA RULES SHALL BE ABIDED BY.



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NO. DATE

REVISION

APPR.

NO. DATE

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DATE  
10/8/25

DEED REFERENCES: DEED BK 199 PG 489

ROAD PROFILE FOR  
LEONARD DEVELOPEMENT, LLC

TAX MAP 023, PARCEL 049.00  
4TH CIVIL DISTRICT, JEFFERSON CITY, TN

25730-RP

SHEET 4

OF

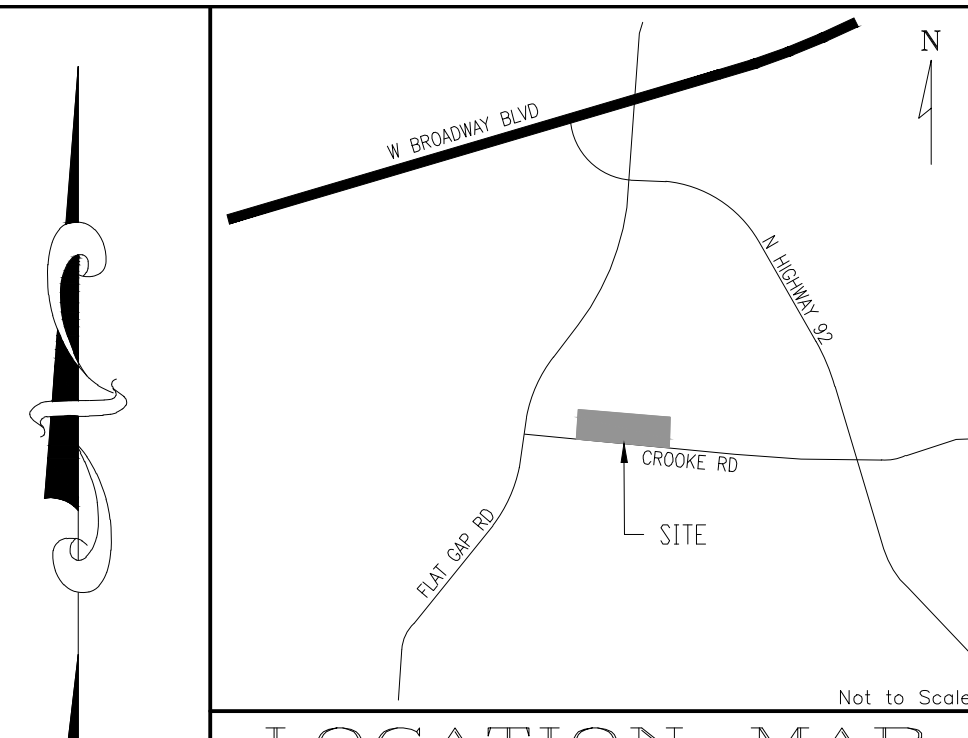
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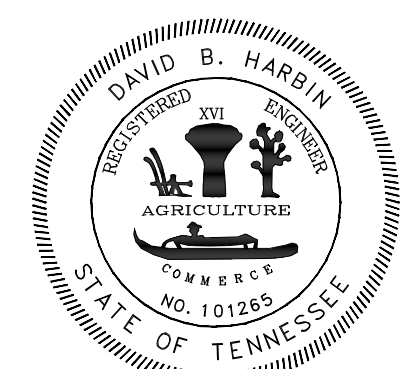




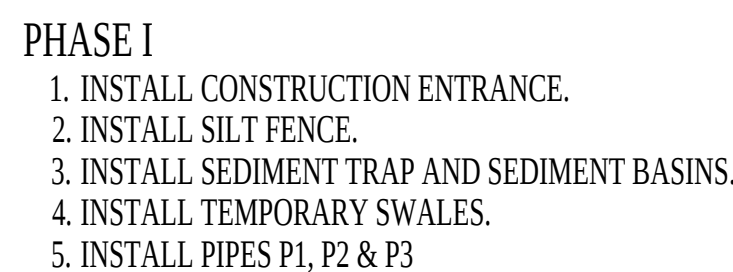


- NOTE:
- CONTRACTOR IS RESPONSIBLE FOR ALL TRENCH SAFETY
- CONTRACTOR SHALL SHORE AND BRACE ALL OPEN CUT TRENCHES AS REQUIRED BY STATE AND FEDERAL LAWS AND LOCAL ORDINANCES; TO CONFORM WITH RECOMMENDATIONS SET FORTH IN AGC MANUAL OF ACCIDENT PREVENTION IN CONSTRUCTION; TO PROTECT LIFE, PROPERTY, OR WORK; TO AVOID EXCESSIVELY WIDE CUTS IN UNSTABLE MATERIAL.
- OSHA RULES SHALL BE ABIDED BY.

NOTE:  
CONTRACTOR TO NOTIFY ENGINEER  
BEFORE START OF CONSTRUCTION

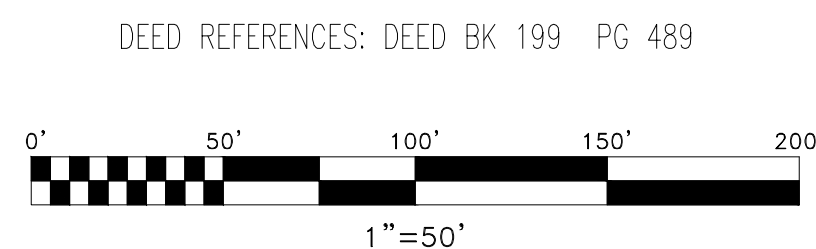


SHEET 6 OF 9 SHEET(S)



SCALE  
HORIZONTAL: 1" = 50'  
VERTICAL: 2' INTERVAL

DATE  
10/8/25



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4TH CIVIL DISTRICT, JEFFERSON CITY, TN

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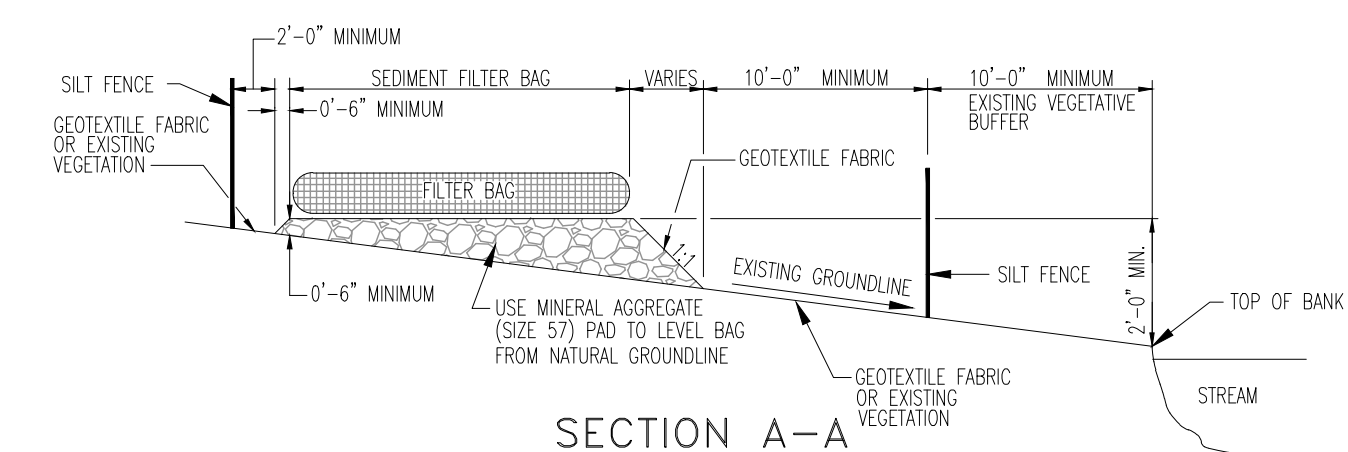
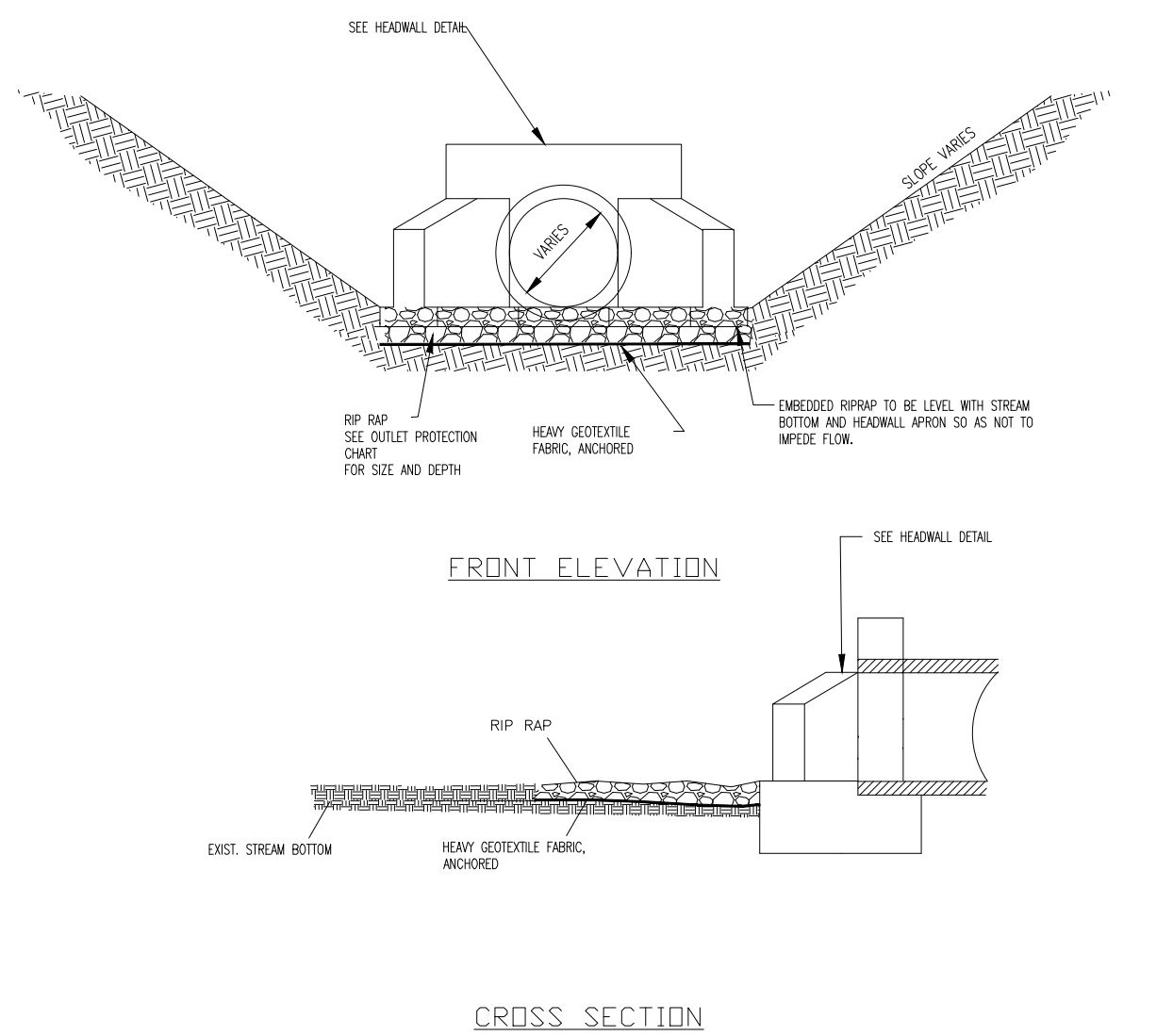
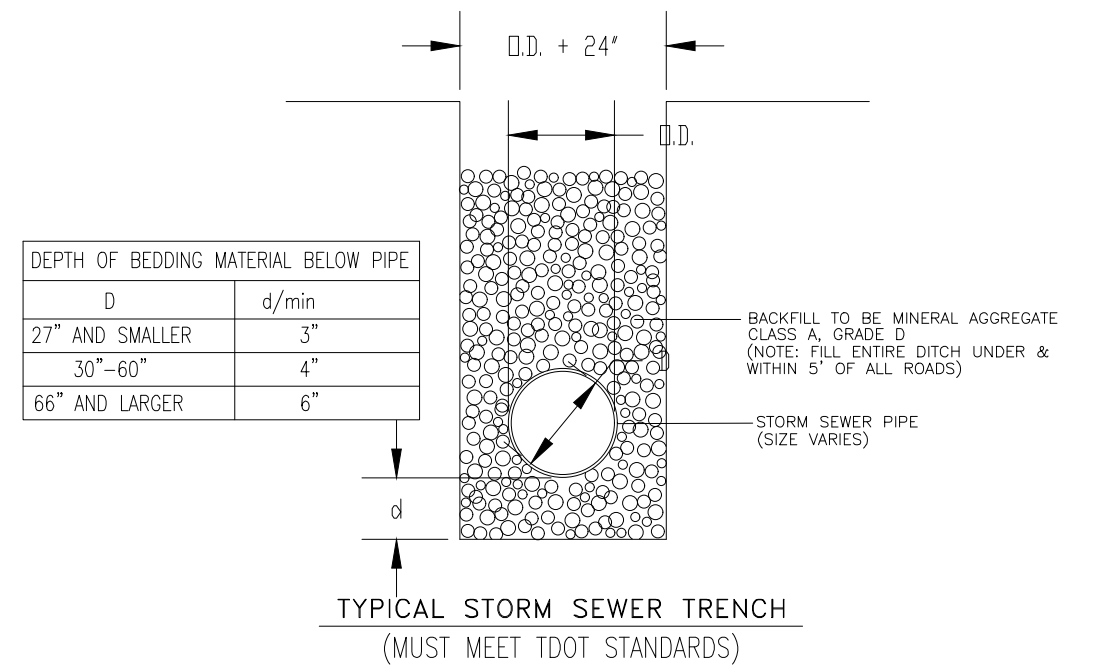
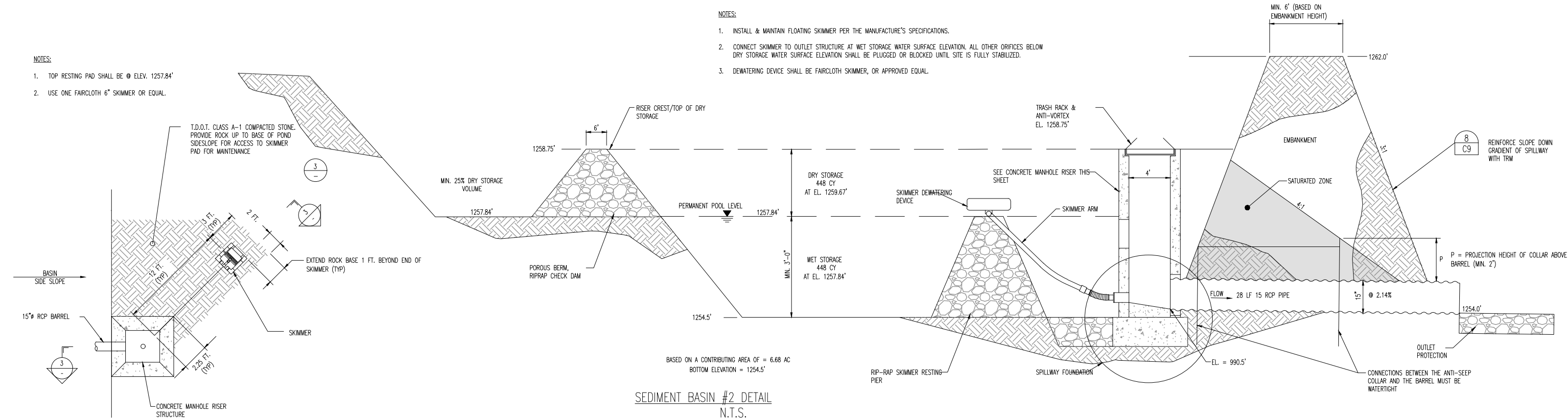
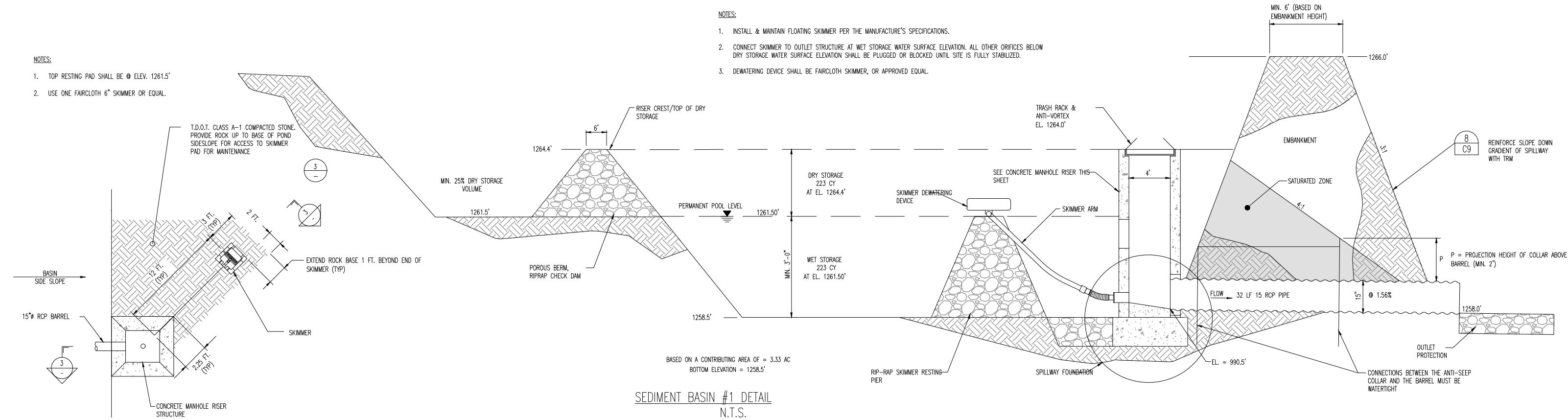




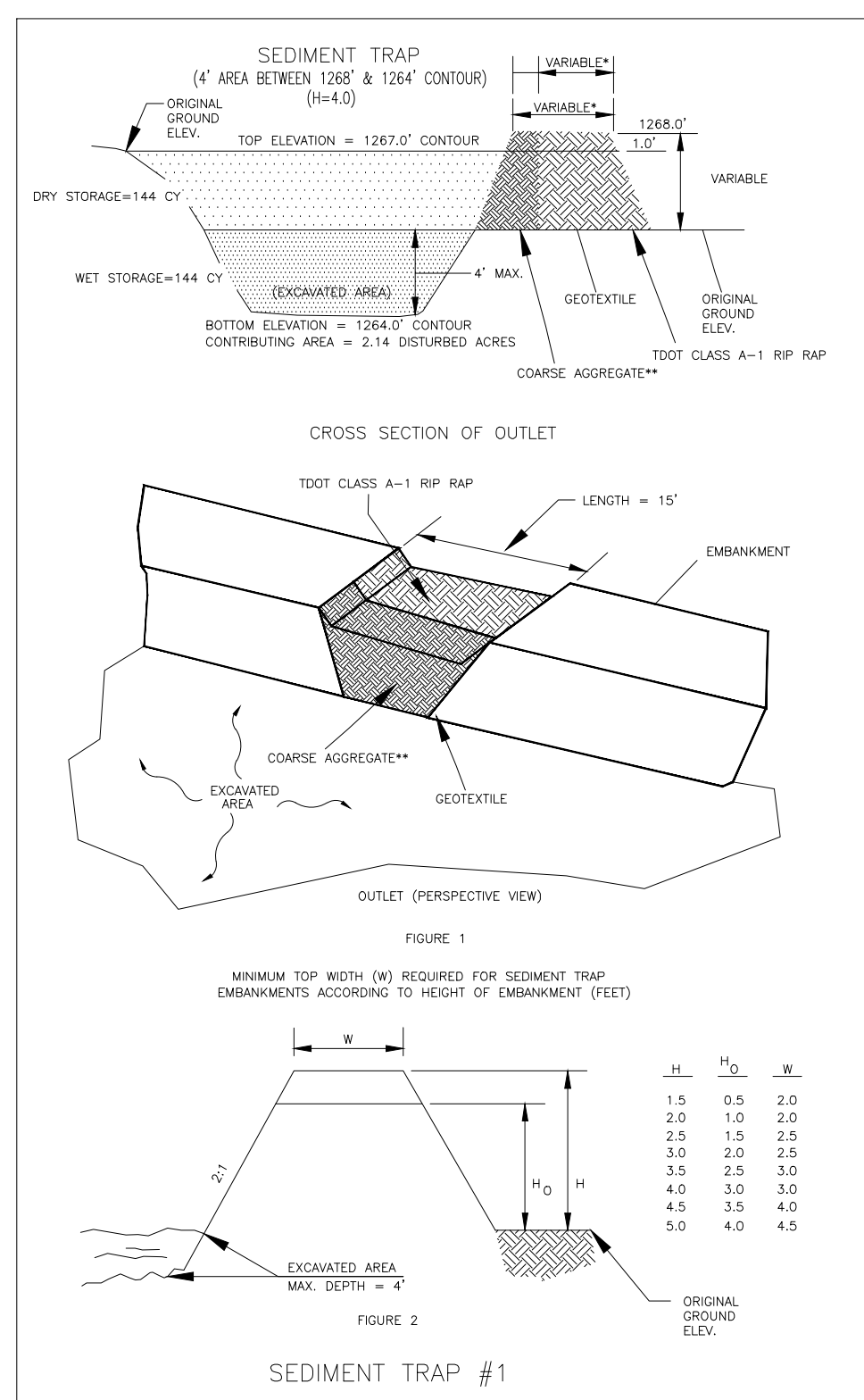


DETENTION POND 1

DETENTION POND 2



PLAN VIEW  
FILTER BAG DETAIL  
NOT TO SCALE



OWNER/DEVELOPER  
LEONARD DEVELOPEMENT, LLC  
119 WESTFIELD ROAD  
KNOXVILLE, TN 37919



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email@bhn-p.com

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LEONARD DEVELOPEMENT, LLC

TAX MAP 023, PARCEL 049.00  
4TH CIVIL DISTRICT, JEFFERSON CITY, TN

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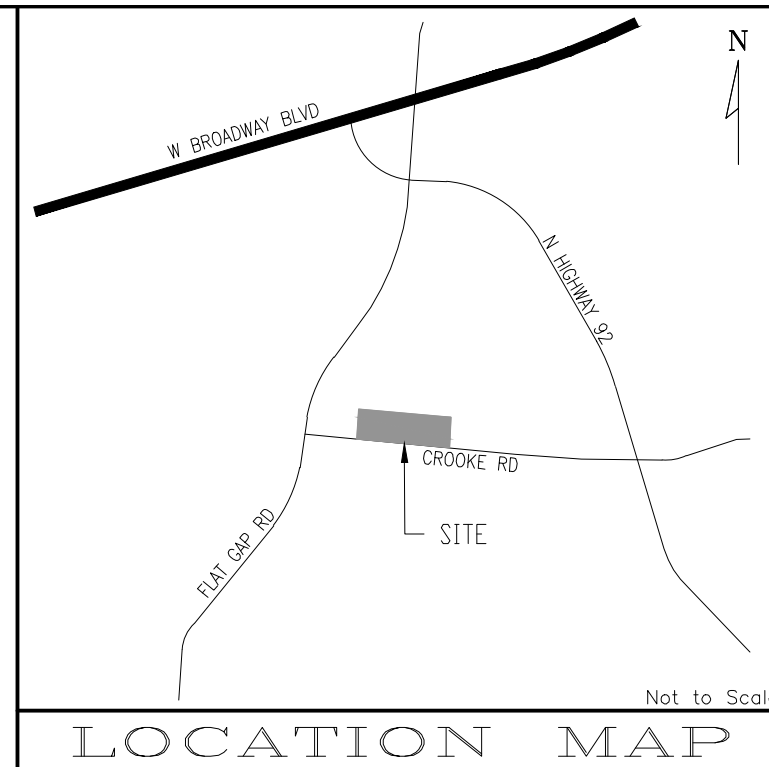
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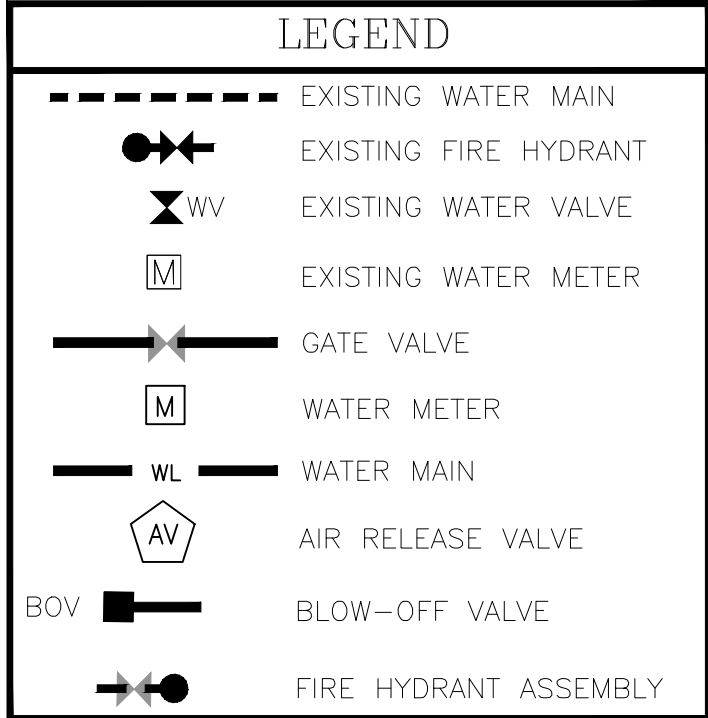
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| <p>NOTE:<br/>CONTRACTOR TO NOTIFY ENGINEER<br/>BEFORE START OF CONSTRUCTION</p>                                            |  |
| <p>NOTE:<br/>PROPOSED WATER LINE LAYS 6' FROM<br/>PROPERTY LINE OR 18' FROM CENTER<br/>LINE OF ROAD</p>                    |  |
| <p>PAVEMENT WIDTHS<br/>STREET WIDTH = 24'<br/>CUL-DE-SAC RADIUS = 40'</p>                                                  |  |
| <p>NOTE:<br/>Construction shall conform to<br/>Jefferson City Public Works State<br/>Approved Plans and Specifications</p> |  |

|                                                                                                                            |  |
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| <p>NOTE:<br/>CONTRACTOR TO NOTIFY ENGINEER<br/>BEFORE START OF CONSTRUCTION</p>                                            |  |
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|                                                                                                                            |  |
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| <p>NOTE:<br/>Construction shall conform to<br/>Jefferson City Public Works State<br/>Approved Plans and Specifications</p> |  |



1. CONTRACTOR TO VERIFY LOCATIONS OF ALL UTILITIES PRIOR TO CONSTRUCTION. LOCATION OF UTILITIES IS BASED ON THE BEST AVAILABLE INFORMATION. CALL TENNESSEE ONE-CALL AT 1-800-551-1111 ON AT LEAST 72 HOURS PRIOR TO CONSTRUCTION ACTIVITIES FOR UTILITIES LOCATED AT THE PROJECT SITE.
2. CONTRACTOR RESPONSIBLE FOR COMPLIANCE WITH OSHA REQUIREMENTS FOR SLOPE STABILITY, SHORING, AND SLOPE PROTECTION DURING CONSTRUCTION.
3. BACK FILL MUST BE PLACED AND COMPACTED TO 98% OF STANDARD PROCTOR PRIOR TO UTILITY INSTALLATION.
4. CONTRACTOR IS RESPONSIBLE FOR VERIFYING GRADES AND ALIGNMENTS PRIOR TO CONSTRUCTION.
5. TRAFFIC CONTROL DEVICES SHALL BE IN ACCORDANCE WITH MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES, LATEST EDITION.
6. THE CONTRACTOR SHALL COMPLY WITH ALL APPLICABLE PROVISIONS OF THE "MANUAL OF ACCIDENT PREVENTION IN CONSTRUCTION" ISSUED BY THE ASSOCIATED GENERAL CONTRACTORS OF AMERICA, INC.
7. ALL WATER AND SEWERS MAINS SHALL INCLUDE A 1" FOOT EASEMENT (7.5 FEET ON EACH SIDE OF THE INSTALLED LINE) FOR BOTH NO BUILDINGS, BUILDING FOOTINGS, OVERHEADS OR OTHER PERMANENT STRUCTURES ARE TO BE CONSTRUCTED WITHIN THESE EASEMENTS.
8. CONTRACTOR SHALL STRICTLY COMPLY WITH AIO STANDARD TECHNICAL SPECIFICATIONS AND INSTALLATION CRITERIA (BEDDING, BACKFILL, TESTING, STERILIZATION, ETC.).
9. MINIMUM WARRANTY PERIOD IS 12 MONTHS AFTER ACCEPTANCE OF THE INSTALLED WATER MAIN. ALL WORKER USE PRIOR TO WATER ACCEPTANCE IS CONTRACTOR/DEVELOPER EXPENSE. CONTRACTOR/DEVELOPER DEVELOPED DURING 12 MONTH WARRANTY PERIOD IS CONTRACTOR/DEVELOPER EXPENSE.
10. SERVICE LINES ARE TO BE 1" FROM PLUMBING TO PROPERTY. IN THE CASE OF A DOUBLE WATER, 2" OF LINES OF 1" PIPING WITH TRACER WIRE SHALL BE USED.



NOTE:  
THREE DAYS PRIOR TO ANY EARTHWORK  
OR CONSTRUCTION CONTRACTOR MUST  
CONTACT:  
TENNESSEE ONE-CALL  
1-800-351-1111  
RECORD AND SAVE YOUR  
CONFIRMATION NUMBER.



OWNER/DEVELOPER  
LEONARD DEVELOPEMENT, LLC  
119 WESTFIELD ROAD  
KNOXVILLE, TN 37919

Reviewed and Approved By:

|                        |       |
|------------------------|-------|
| City of Jefferson City | Title |
| Date                   |       |

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KNOXVILLE, TN 37919

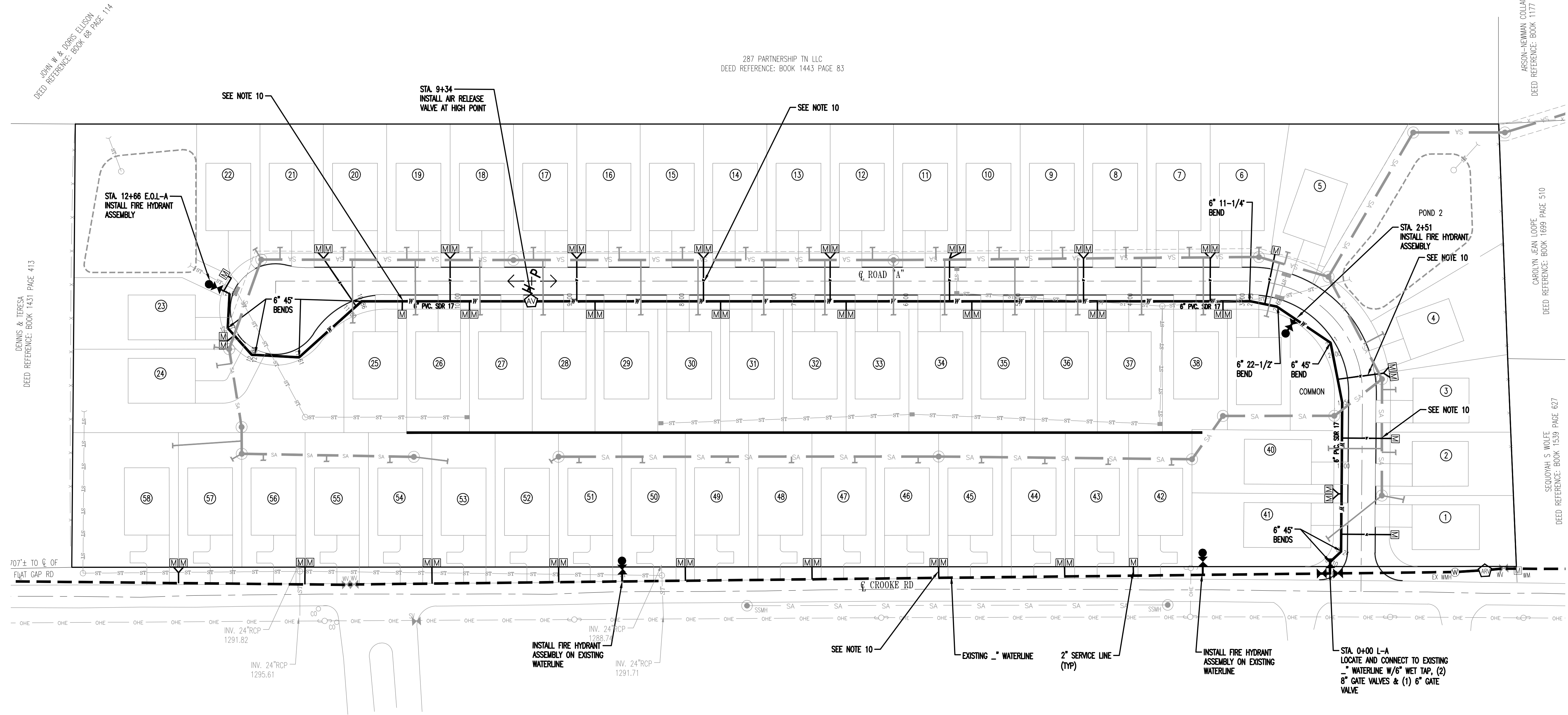
WATERLINE PLAN FOR  
LEONARD DEVELOPEMENT, LLC

TAX MAP 023, PARCEL 049.00  
4TH CIVIL DISTRICT, JEFFERSON CITY, TN

25730-WL1

SHEET 1 OF 1 SHEET(S)

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0' 50' 100' 150' 200'

1"=50'

JEFFERSON CITY PUBLIC WORKS

SCALE  
1" = 50'

DATE  
0/8/25

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25730-WL1

SHEET 1 OF 1 SHEET(S)

1 SHEET(S



CONTRACTOR IS RESPONSIBLE FOR ALL TRENCH SAFETY

CONTRACTOR SHALL SHORE AND BRACE ALL OPEN CUT TRENCHES AS REQUIRED BY STATE AND FEDERAL LAWS AND LOCAL ORDINANCES; TO CONFORM WITH RECOMMENDATIONS SET FORTH IN AGC MANUAL OF ACCIDENT PREVENTION IN CONSTRUCTION; TO PROTECT LIFE, PROPERTY, OR WORK; TO AVOID EXCESSIVELY WIDE CUTS IN UNSTABLE MATERIAL.

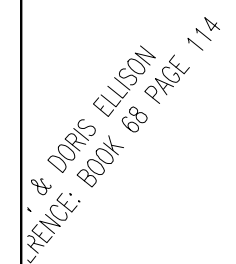
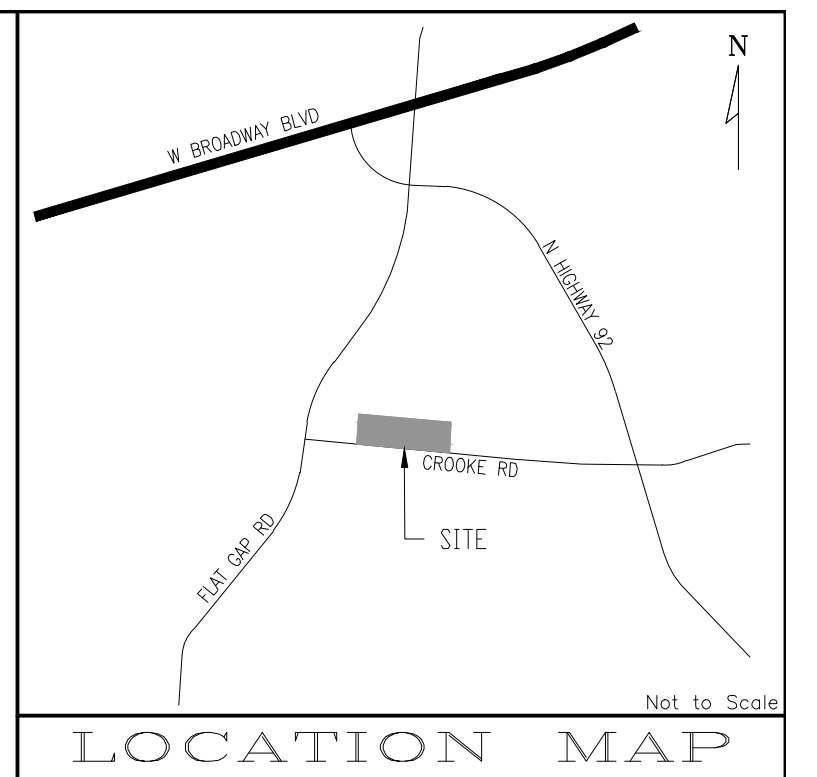
OSHA RULES SHALL BE ABIDED BY.

ALL CONSTRUCTION SHALL ADHERE TO THE TDEC APPROVED STANDARD SPECIFICATIONS FOR THE JEFFERSON CITY PUBLIC WORKS.

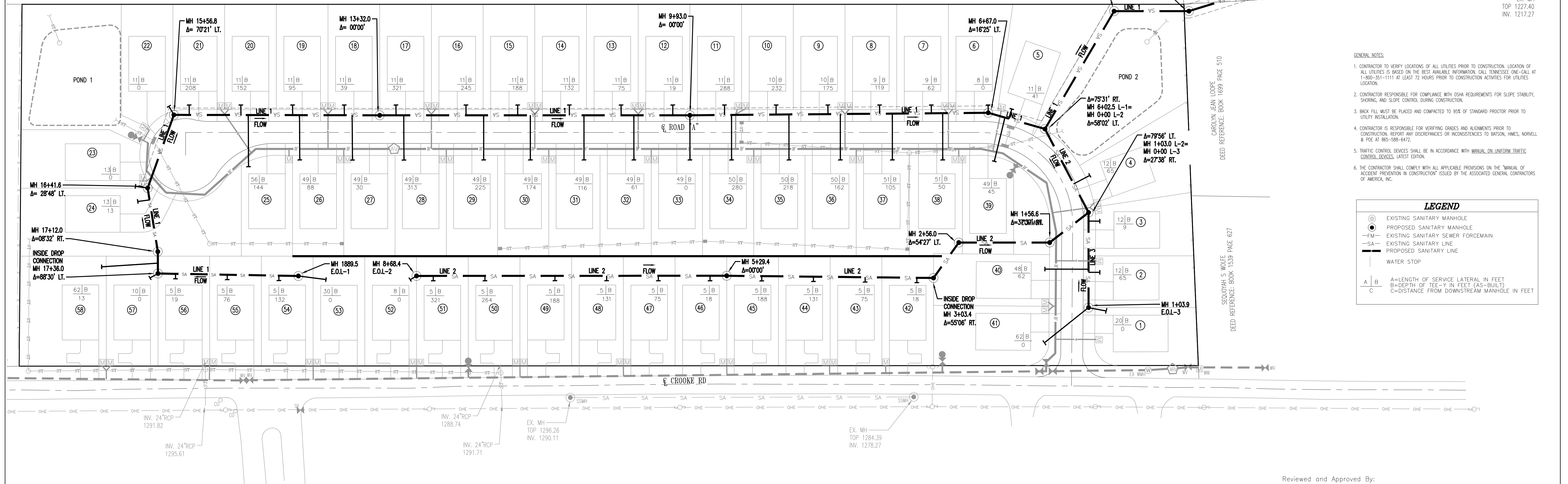
CONTRACTOR TO NOTIFY ENGINEER  
BEFORE START OF CONSTRUCTION

ALL UTILITIES SHALL BE INSTALLED WITH CONSIDERATION OF PROPER COVER OVER UTILITY LINES WHEN CROSSING FUTURE DRIVEWAYS IN CUT.

HUB ELEVATIONS ARE NOT FINAL  
TOP OF MANHOLES. CONTRACTOR IS  
RESPONSIBLE FOR ADJUSTING THE  
MANHOLE TO MATCH THE PROPOSED  
FINISHED GRADES.



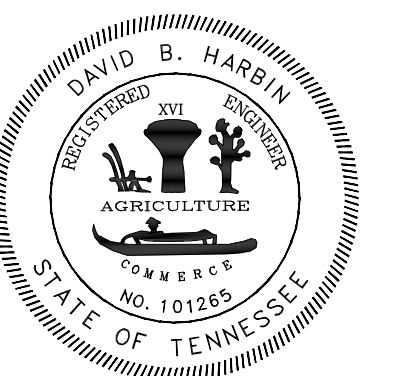
287 PARTNERSHIP TN LLC  
DEED REFERENCE: BOOK 1443 PAGE 83



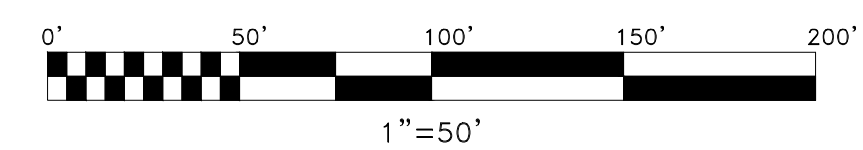
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4. CONTRACTOR RESPONSIBLE FOR COMPLIANCE WITH OSHA REQUIREMENTS FOR SLOPE STABILITY, SHORING, AND SLOPE CONTROL DURING CONSTRUCTION.
5. BACK FILL MUST BE PLACED AND COMPACTED TO 95% OF STANDARD PROCTOR PRIOR TO UTILITY INSTALLATION.
6. CONTRACTOR IS RESPONSIBLE FOR VERIFYING GRADES AND ALIGNMENTS PRIOR TO CONSTRUCTION. REPORT ANY DISCREPANCIES OR INCONSISTENCIES TO BATSON, HIMES, NOVELL & PDE AT 860-588-6472.
7. TRAFFIC CONTROL DEVICES SHALL BE IN ACCORDANCE WITH MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES, LATEST EDITION.
8. THE CONTRACTOR SHALL COMPLY WITH ALL APPLICABLE PROVISIONS ON THE "MANUAL OF ACCIDENT PREVENTION IN CONSTRUCTION" ISSUED BY THE ASSOCIATED GENERAL CONTRACTORS OF AMERICA, INC.

(S) EXISTING SANITARY MANHOLE  
 (●) PROPOSED SANITARY MANHOLE  
 —FM— EXISTING SANITARY SEWER FORCEMAIN  
 —SA— EXISTING SANITARY LINE  
 ——— PROPOSED SANITARY LINE  
 |  
 | WATER STOP  
 A | B  
 C  
 A=LENGTH OF SERVICE LATERAL IN FEET  
 B=DEPTH OF TEE-Y IN FEET (AS-BUILT)  
 C=DISTANCE FROM DOWSTREAM MANHOLE IN FEET

OWNER/DEVELOPER  
LEONARD DEVELOPEMENT, LLC  
119 WESTFIELD ROAD  
KNOXVILLE, TN 37919



RECORD AND SAVE YOUR  
CONFIRMATION NUMBER.



**BATSON, HIMES, NORVELL & POE**  
REGISTERED ENGINEERS & LAND SURVEYORS  
4334 PAPERMILL DRIVE  
KNOXVILLE, TENNESSEE 37909  
PHONE: (865) 588-6472  
FAX: (865) 588-6473  
email@bhn-p.com

[illegible]

SCALE  
1"= 50'

DATE  
10/8/25

JEFFERSON CITY PUBLIC WORKS

SANITARY SEWER PLAN FOR  
LEONARD DEVELOPEMENT, LLC

TAX MAP 023, PARCEL 049.00  
4TH CIVIL DISTRICT, JEFFERSON CITY, TN

25730-WWL

SHEET 1 OF 2 SHEET(S)

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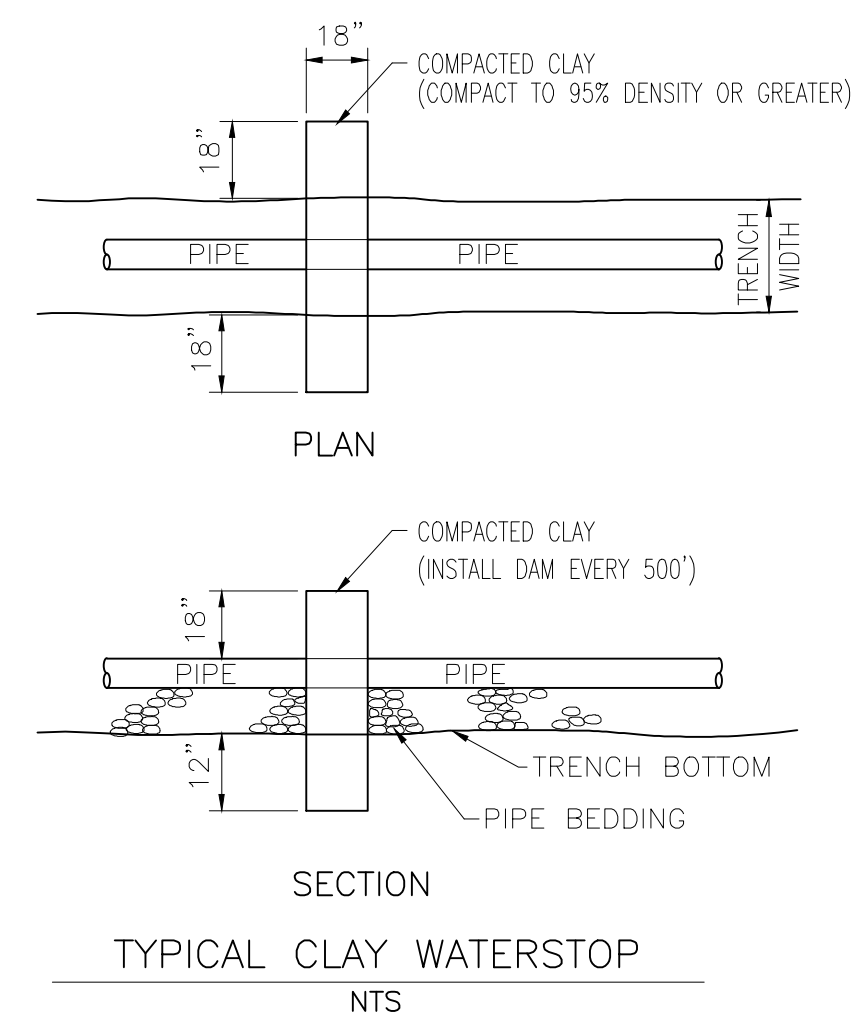
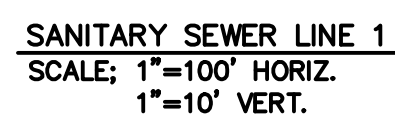
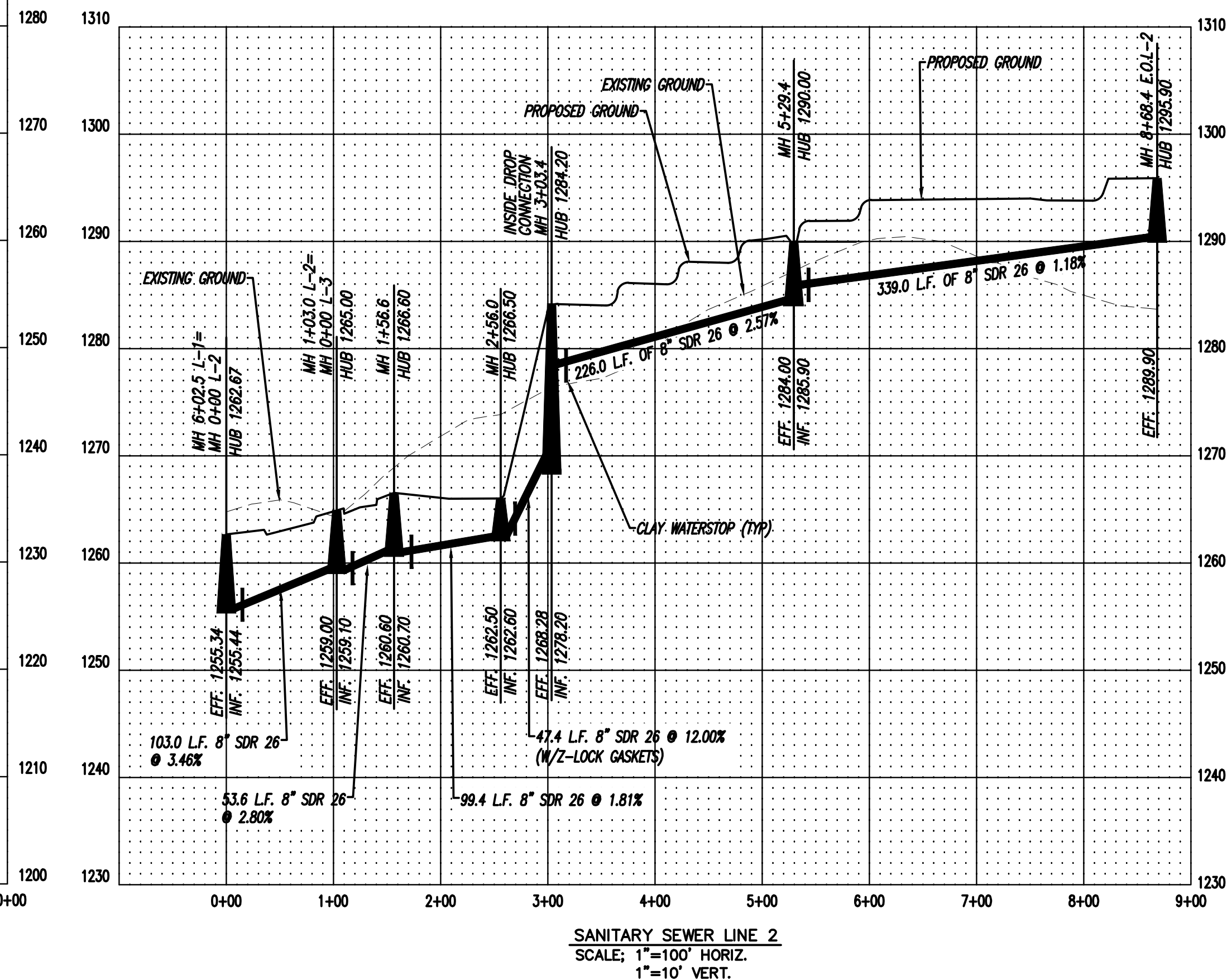
CONTRACTOR SHALL SHORE AND BRACE ALL OPEN CUT TRENCHES AS REQUIRED BY STATE AND FEDERAL LAWS AND LOCAL ORDINANCES; TO CONFORM WITH RECOMMENDATIONS SET FORTH IN AGC MANUAL OF ACCIDENT PREVENTION IN CONSTRUCTION; TO PROTECT LIFE, PROPERTY, OR WORK; TO AVOID EXCESSIVELY WIDE CUTS IN UNSTABLE MATERIAL.

ALL CONSTRUCTION SHALL ADHERE TO THE TDEC APPROVED STANDARD SPECIFICATIONS FOR THE JEFFERSON CITY PUBLIC WORKS.

HUB ELEVATIONS ARE NOT FINAL  
TOP OF MANHOLES. CONTRACTOR IS  
RESPONSIBLE FOR ADJUSTING THE  
MANHOLE TO MATCH THE PROPOSED  
FINISHED GRADES.

ALL UTILITIES SHALL BE INSTALLED WITH  
CONSIDERATION OF PROPER COVER OVER UTILITY  
LINES WHEN CROSSING FUTURE DRIVEWAYS  
IN CUT.

CONTRACTOR TO NOTIFY ENGINEER  
BEFORE START OF CONSTRUCTION



RECORD AND SAVE YOUR  
CONFIRMATION NUMBER.

OWNER/DEVELOPER  
LEONARD DEVELOPEMENT, LLC  
119 WESTFIELD ROAD  
KNOXVILLE, TN 37919



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CHECKED \_\_\_\_\_

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REVISION

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REVISION

10/8/25

JEFFERSON CITY PUBLIC WORKS

SANITARY SEWER PLAN FOR  
LEONARD DEVELOPEMENT, LLC

TAX MAP 023, PARCEL 049.00  
4TH CIVIL DISTRICT, JEFFERSON CITY, TN

25730-WWL

SHEET 2 OF 2 SHEET(S)

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