

DATE

10/22/24

REVISION

1"=50'

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

DRAWN

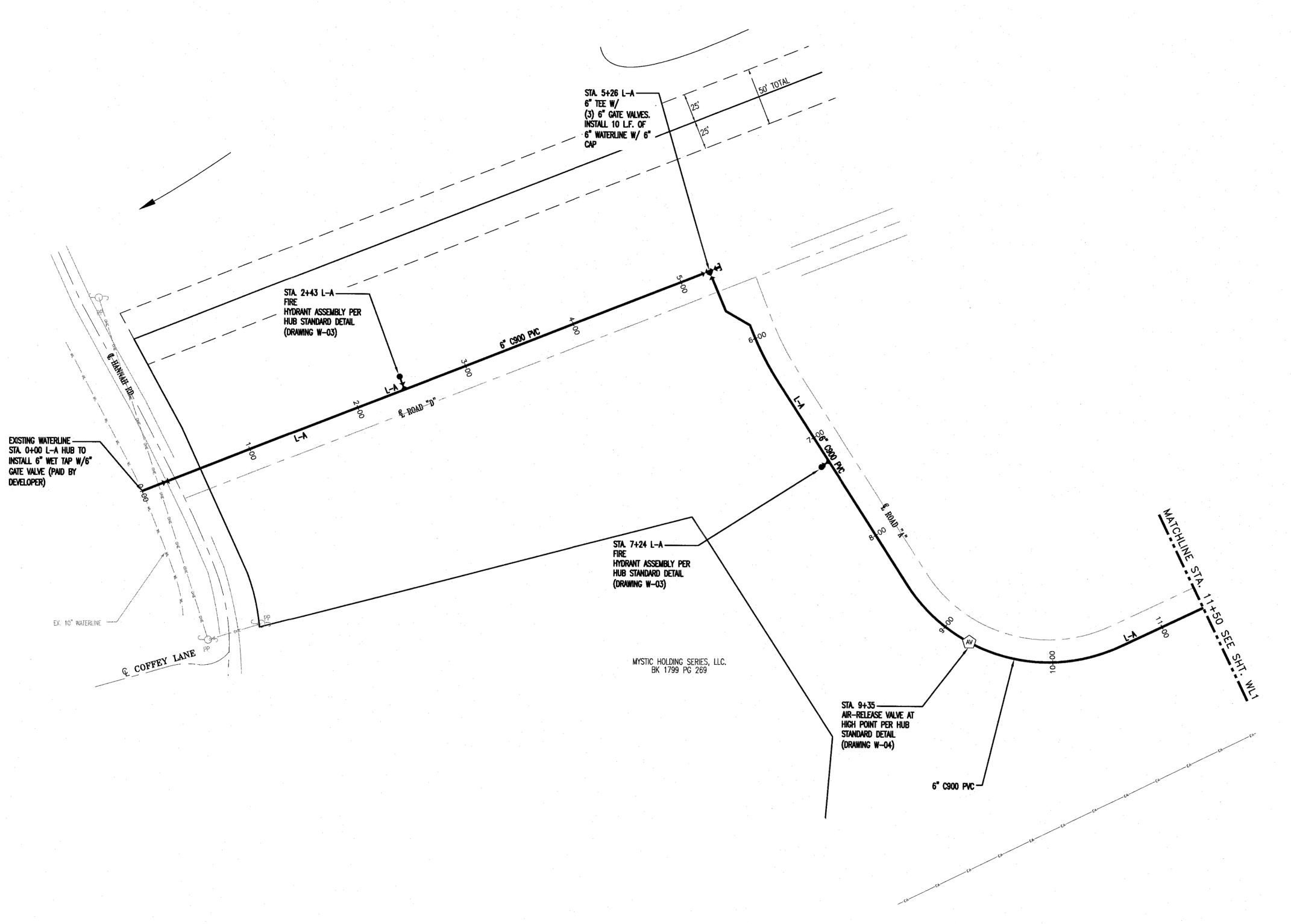
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SEW

3 SHEET(S) Q:\25457\PHASE 1\AS-BUILT\25457-1-AB.DWG

TAX MAP 18, PARCEL 2.04
1ST CIVIL DISTRICT, ROANE COUNTY, TENNESSEE

CITY OF HARRIMAN



DESIGNED DBH

CHECKED DBH

SEW

DATE

REVISION

APPR. NO. DATE

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LEGEND

EXISTING WATER MAIN

EXISTING FIRE HYDRANT

EXISTING WATER VALVE

EXISTING WATER METER

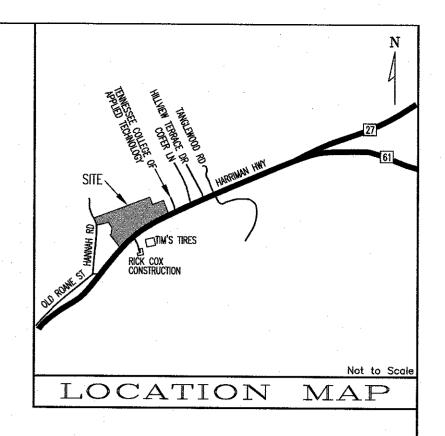
GATE VALVE

WATER MAIN

AIR RELEASE VALVE

BOV

FIRE HYDRANT ASSEMBLY



CENEDAL MOTES

- 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 811 at least 72 hours prior to construction activities for utilities location.
- CONTRACTOR RESPONSIBLE FOR COMPLIANCE WITH OSHA REQUIREMENTS FOR SLOPE STABILITY, SHORING, AND SLOPE CONTROL DURING CONSTRUCTION.
- BACK FILL MUST BE PLACED AND COMPACTED TO 98% (BENEATH WATER AND SEWER PIPES)
 OF STANDARD PROCTOR PRIOR TO UTILITY INSTALLATION.
- CONTRACTOR IS RESPONSIBLE FOR VERIFYING GRADES AND ALIGNMENTS PRIOR TO CONSTRUCTION. REPORT ANY DISCREPANCIES TO BATSON, HIMES, NORVELL, & POE.
- 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 SEWER MAINS SHALL INCLUDE A 15 FOOT EASEMENT (7.5 FEET ON EACH
- SIDE OF THE INSTALLED LINE) WITH THEM. NO BUILDINGS, BUILDING FOOTERS, OVERHANGS OR OTHER PERMANENT STRUCTURES ARE TO BE CONSTRUCTED WITHIN THESE EASEMENTS.
- 8. ALL WORK SHALL BE PERFORMED BY A TENNESSEE LICENSED UTILITY CONTRACTOR.

 9. HARRIMAN UTILITY BOARD EMERGENCY 24—HOUR CONTACT (865) 882—3242
- 10. THE CONTRACTOR SHALL PROVIDE ALL NECESSARY PROTECTIVE MEASURES TO SAFEGUARD EXISTING UTILITIES FROM DAMAGE DURING CONSTRUCTION OF THIS PROJECT. SHOULD SPECIAL EQUIPMENT BE REQUIRED TO WORK OVER AND AROUND THE UTILITIES, THE CONTRACTOR SHALL BE REQUIRED TO FURNISH SUCH EQUIPMENT SHALL BE AT ITS OWN EXPENSE. WHEN CROSSING SERVICES AND OTHER LINES, HAND EXCAVATION WITH SHOVELS SHALL BE USED TO PREVENT DAMAGE.
- 11. IF ANY UTILITY IS DAMAGED DURING CONSTRUCTION, THE CONTRACTOR SHALL IMMEDIATELY NOTIFY THE UTILITY OWNER. REPAIR OF THE UTILITY SHALL THEN BE ACCORDING TO THE OWNER'S INSTRUCTIONS AND AT THE CONTRACTOR'S EXPENSE.
- 12. TRANSITION JOINTS ON PIPES OF DIFFERENT MATERIALS MUST BE APPROVED BY HUB, AND CONSTRUCTION MUST BE DONE WITH APPROVED FITTINGS AND/OR ADAPTERS.
- 13. ALL PROPOSED PIPING AND MISCELLANEOUS APPURTENANCES SHALL BE INSTALLED IN ACCORDANCE WITH THE CONTRACT DOCUMENTS, CONTRACT DRAWINGS, AND HUB STANDARD SANITARY SEWER AND WATER SPECIFICATIONS.
- 14. Tops of all boxes shall be raised flush with finished grades and be visible.
- ALL WATER LINES AND appurtenances SHALL BE TESTED AND APPROVED PER THE REQUIREMENTS OF THE HUB STANDARD SANITARY SEWER AND WATER SPECIFICATIONS.
- 16. THE CROWN OF THE WATER LINES SHALL BE INSTALLED AT A MINIMUM DEPTH OF 36-INCHES BELOW THE EXISTING SURFACE WITHIN RIGHTS-OF-WAY AND 30-INCHES BELOW THE EXISTING SURFACE IN OTHER AREAS EXCEPT WHERE ADDITIONAL BURIAL IS NEEDED TO ACCOMMODATE INSTALLATION OF APPURTENANCES AND CROSSINGS.
- 17. THE CROWN OF THE WATER LINES SHALL BE INSTALLED AT A MINIMUM DEPTH OF 30-INCHES LOWER THAN THE SURFACE OF ADJACENT ROADWAYS SO AS TO ALLOW FUTURE DRIVEWAY CUTS THAT WILL NOT IMPACT OR DISTURB THE WATER LINE.
- 18. WHERE WATERLINE CROSSES A CULVERT, THE CROWN OF THE WATERLINE SHALL BE AT LEAST 18" BELOW THE CULVERT OR THE WATERLINE SHALL BE ENCASED A MINIMUM OF 5 FEET EACH SIDE OF THE CULVERT.
- 19. FOR ALL FITTINGS AND END-OF-LINE WATER PIPE, CONTRACTOR SHALL INSTALL MECHANICAL JOINT RESTRAINED JOINT FITTINGS PER HUB STANDARD DETAIL (DRAWING G-05)
- JOINT FITTINGS PER HUB STANDARD DETAIL (DRAWING G-05)

 20. CONTRACTOR SHALL HAVE A TDEC APPROVED SET OF PLANS AND SPECIFICATIONS ON THE JOB SITE AT ALL TIMES.
- 21. THE CONTRACTOR SHALL PROVIDE ACCESS TO UTILITY COMPANIES FOR MAINTENANCE AND WORK ON THEIR UTILITY DURING THE COURSE OF WORK.
- UTILITY DURING THE COURSE OF WORK.

 22. WHEN EXCAVATION MUST OCCUR NEAR A UTILITY POLE, THE CONTRACTOR SHALL EMPLOY A LICENSED ELECTRICAL CONTRACTOR TO GUY, ANCHOR, BRACE, MECHANICALLY HOLD, ETC., THE POLE THROUGHOUT THE EXCAVATION PROCESS AND UNTIL THE AREA CAN BE PROPERLY BACKFILLED AND COMPACTED TO PREVENT THE MOVEMENT OF THE POLE. IF THE EXCAVATION AFFECTS AN ANCHOR, THE POLE WILL NEED TO BE STABILIZED IN A SIMILAR MANNER UNTIL THE ANCHOR CAN BE REINSTALLED IN THE EXACT LOCATION. CONTRACTOR SHALL NOTIFY HUB ELECTRIC NOT LESS THAN SEVEN (7) CALENDAR DAYS PRIOR TO EXCAVATION WITHIN TWENTY (20) FEET OF ANY POLE AND SHALL PROVIDE INFORMATION TO HUB ELECTIC department PERTAINING TO THE METHOD THAT IS TO BE USED TO STABILIZE THE POLE, AS WELL AS THE NAME OF THE ELECTRICAL CONTRACTOR RESPONSIBLE FOR THE PORTION OF THE WORK.
- THE CONTRACTOR SHALL ADHERE TO SECTION 9.1 SEPARATION OF WATER MAINS AND SEWERS IN THE COMMUNITY PUBLIC WATER SYSTEMS DESIGN CRITERIA MANUAL.

OWNER/DEVELOPER
HUBER PROPERTIES, LLC
P.O. BOX 23038
KNOXVILLE, TN 37933
PHONE: (865) 567-8100



"RECORD DRAWING"

SCALE	
1"= 50'	
DATE	0,
10/22/24	
, ,	

HARRIMAN UTILITY BOARD

1"=50'

Harriman Utility Board

EMC

WATER AS-BUILT FOR
EMORY CREEK SUBDIVISION PHASE 1

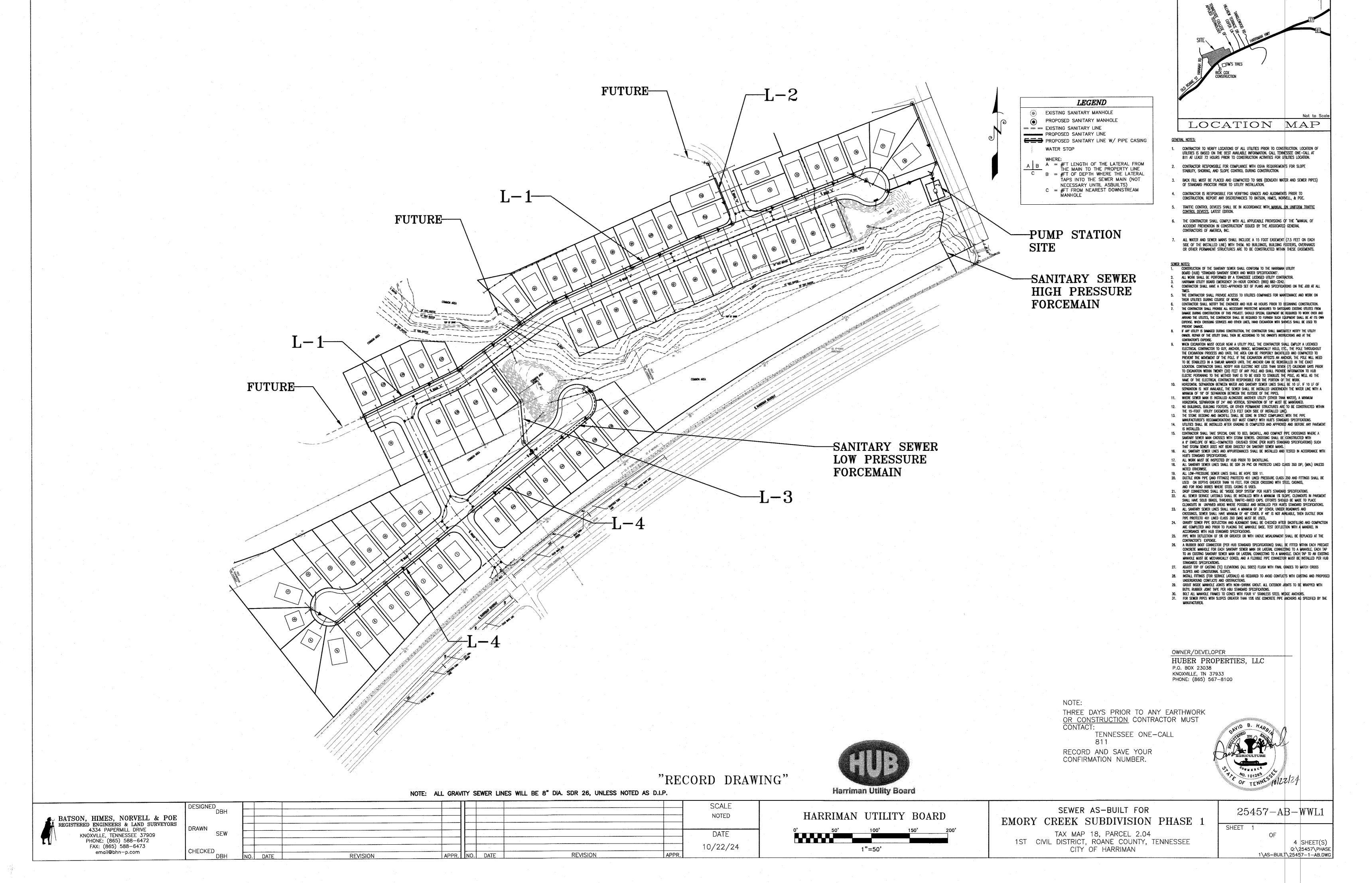
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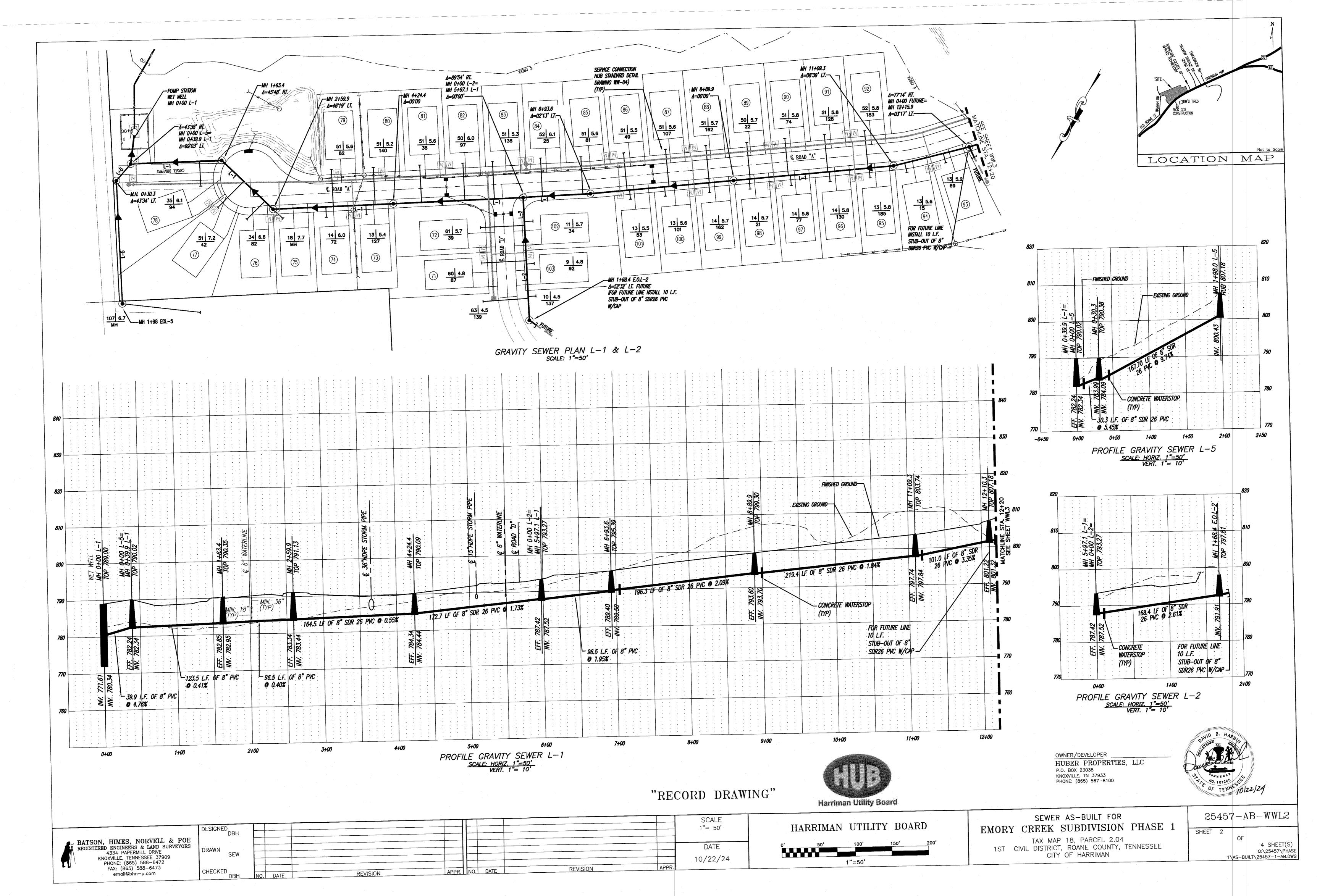
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CITY OF HARRIMAN

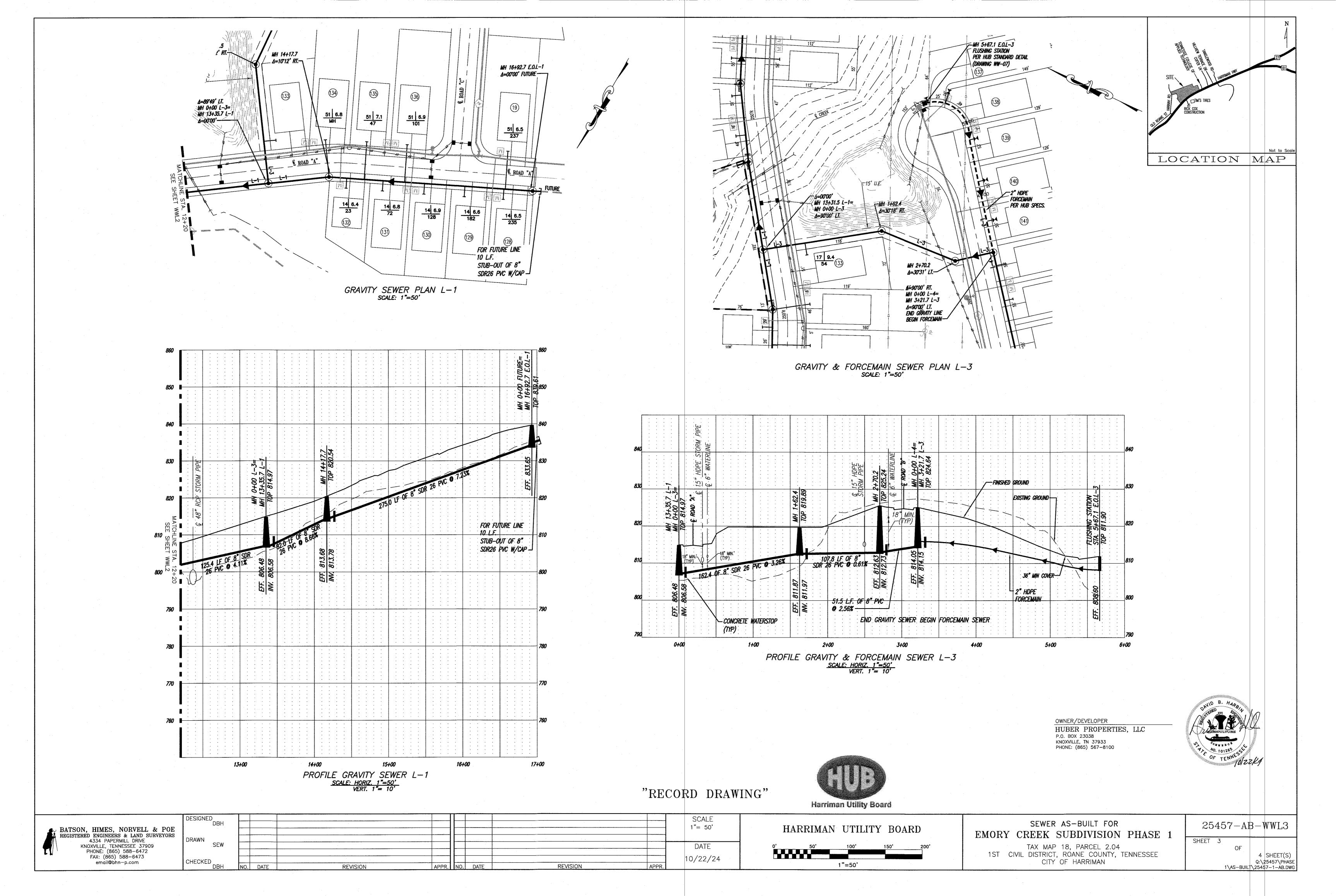
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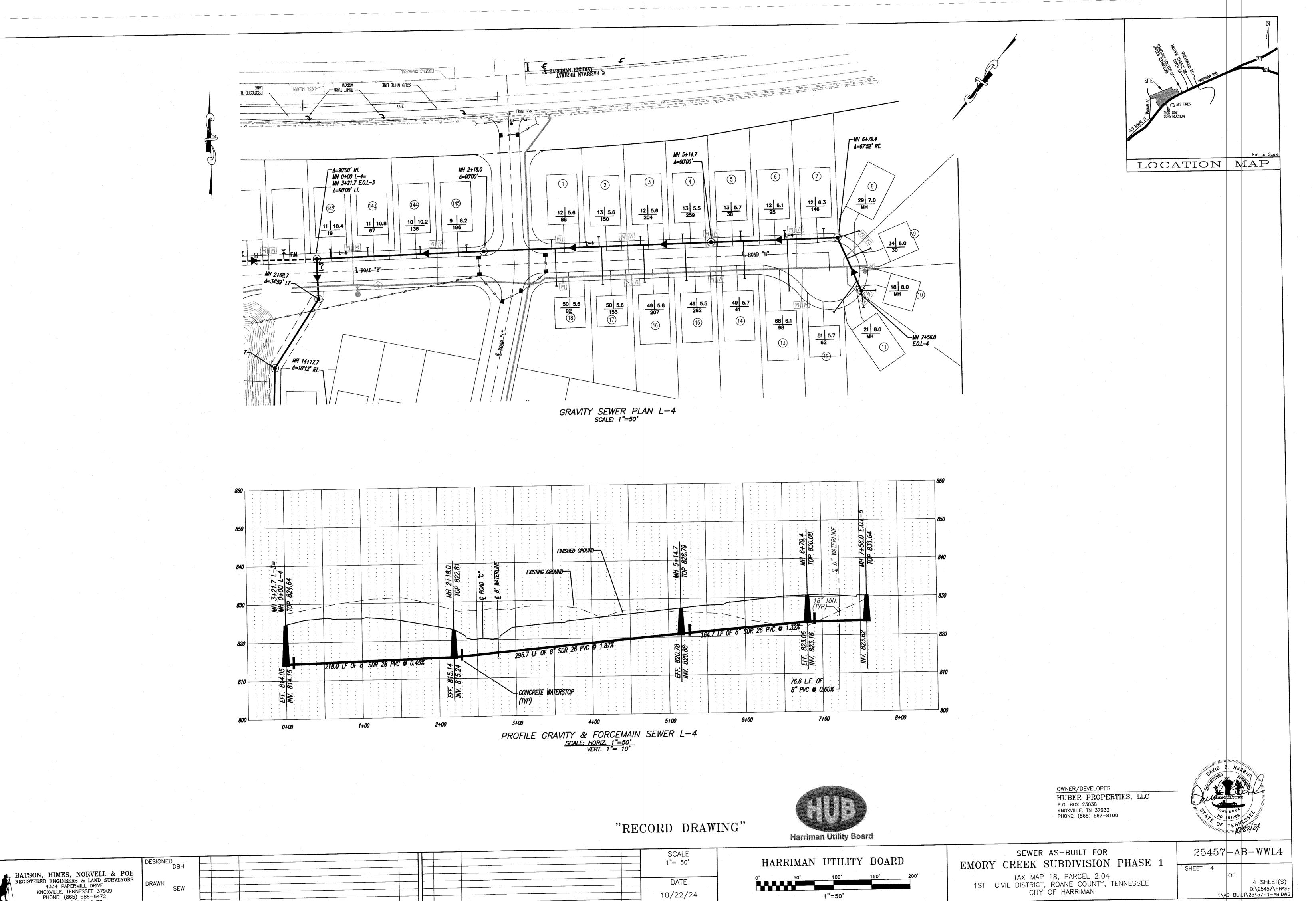
SHEET 3 OF

3 SHEET(S) Q:\25457\PHASE 1\AS-BUILT\25457-1-AB.DWG









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