

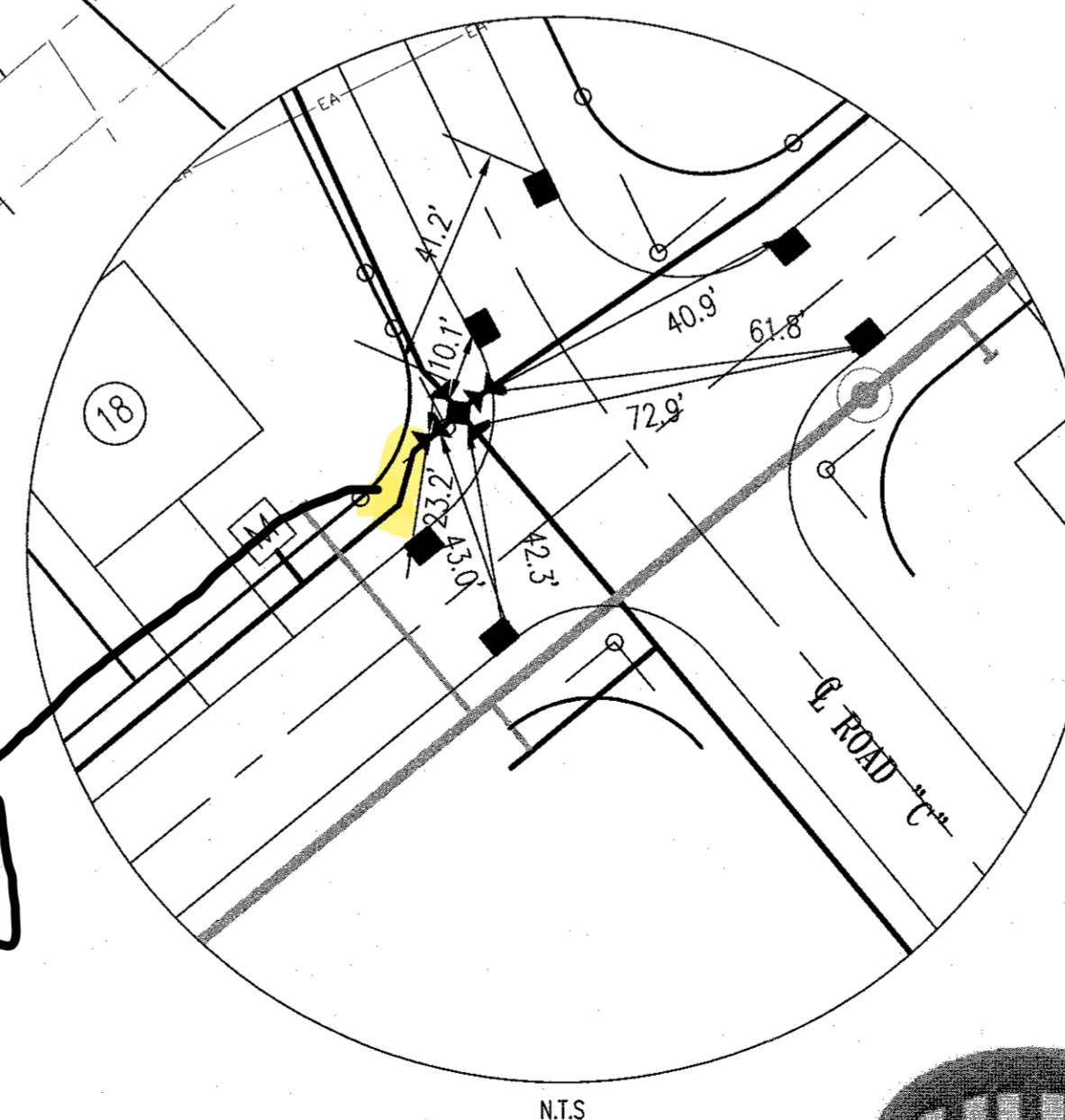
Water line is straight here.
No bends or fittings used.

Water service here does not have dog leg.

Water service/Tap in ROW

STA. 0+00 L-B
FIRE HYDRANT
ASSEMBLY PER HUB STANDARD
DETAIL (DRAWING W-03) & 3/4"
METERED BLOW-OFF ASSEMBLY
PER HUB STANDARD DETAIL
(DRAWING W-05) WITH 3/4"
PIGTAIL TERMINATED INSIDE METER
BOX.

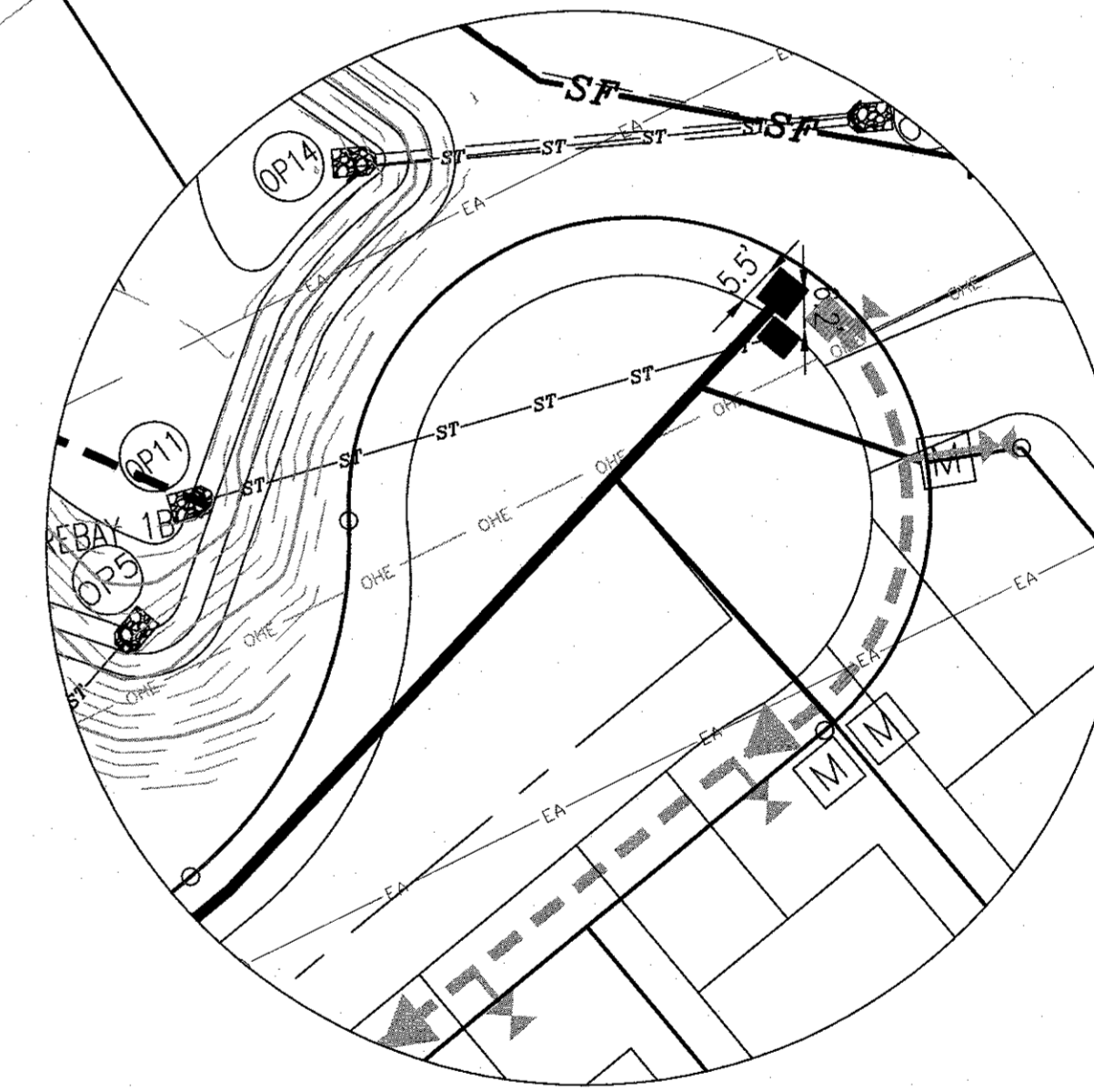
(2) 45 MJDI fittings used here.



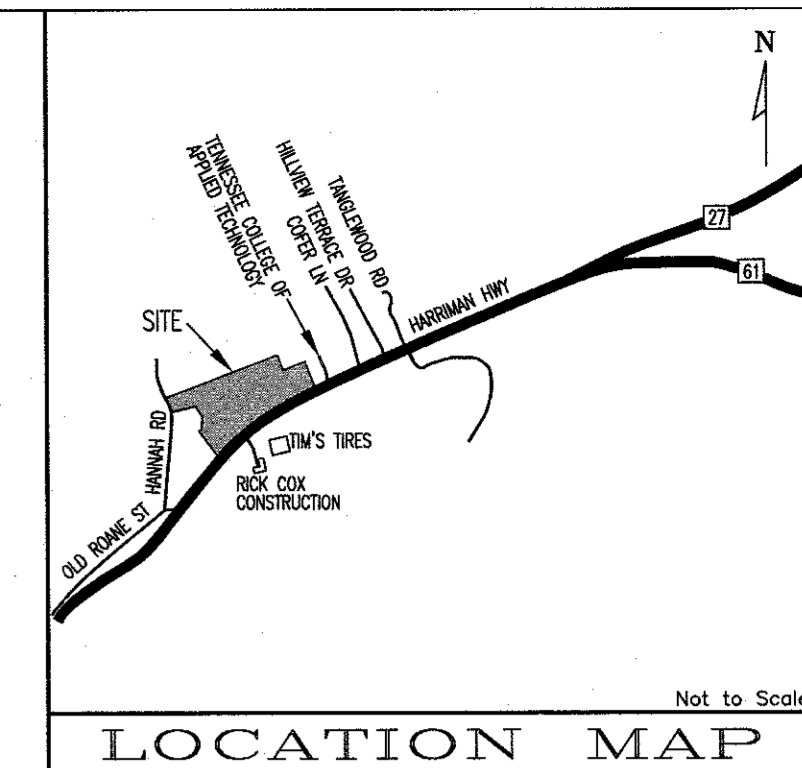
N.T.



Harriman Utility Board



SCALE: 1" = 30'



GENERAL NOTES

1. CONTRACTOR TO VERIFY LOCATIONS OF ALL UTILITIES PRIOR TO CONSTRUCTION. LOCATION OF UTILITIES IS BASED ON THE BEST AVAILABLE INFORMATION. CALL TENSIOSS ONE-CALL AT 811 AT LEAST 72 HOURS PRIOR TO CONSTRUCTION ACTIVITIES FOR UTILITIES LOCATION.
2. CONTRACTOR RESPONSIBLE FOR COMPLIANCE WITH OSHA REQUIREMENTS FOR SLOPE STABILIZATION, SHORING, AND SLOPE CONTROL DURING CONSTRUCTION.
3. BACK FILL MUST BE PLACED AND COMPACTED TO 98% (BENEATH WATER AND SENIOR PPS) OF STANDARD PROCTOR TO PRIOR UTILITY INSTALLATION.
4. CONTRACTOR IS RESPONSIBLE FOR VERIFYING GRADINGS AND ADJUSTMENTS PRIOR TO CONSTRUCTION. REPORT ANY DISCREPANCIES TO BAISONG, HANNA, AND POC.
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 SENIOR WANS SHALL INCLUDE A 16 FOOT EASEMENT (7.5 FEET ON EACH SIDE) OF UNDISTURBED UNPAVED AND NOT BE BUILDINGS, BUILDING FOUNDATIONS, OR OTHER STRUCTURE. ALL STRUCTURES ARE TO BE CONSTRUCTED WITHIN THESE EASEMENTS.

WATER NOTES:

- [illegible]

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



10/22/29

"RECORD DRAWING"



BATSON, HIMES, NORVELL & POE
REGISTERED ENGINEERS & LAND SURVEYORS
4334 PAPERMILL DRIVE
KNOXVILLE, TENNESSEE 37909
PHONE: (865) 588-6472
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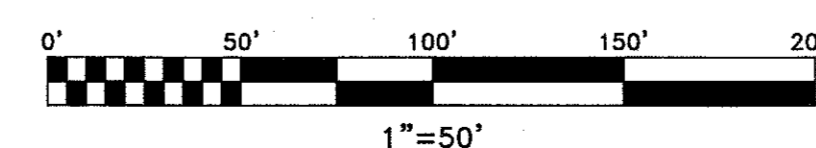
DESIGNED	DBH
DRAWN	SEW
CHECKED	DBH

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SCALE
1"= 50'

DATE
10/22/24

HARRIMAN UTILITY BOARD

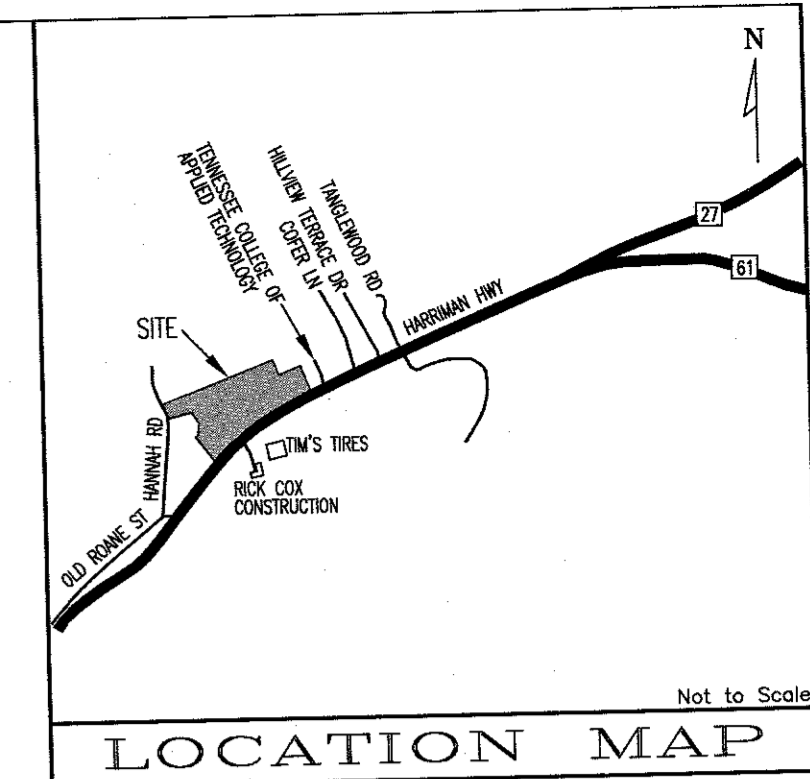
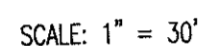


WATER AS-BUILT FOR
EMORY CREEK SUBDIVISION PHASE 1

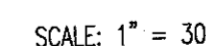
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1ST CIVIL DISTRICT, ROANE COUNTY, TENNESSEE
CITY OF HARRIMAN

25457-AB-WL1

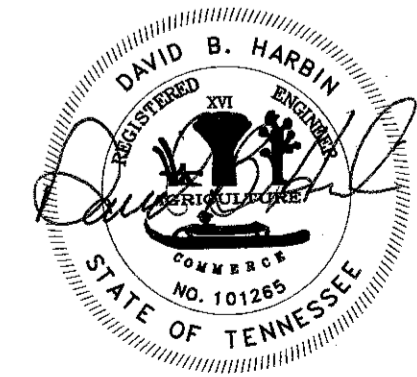
SHEET 1 OF 3 SHEET(S)
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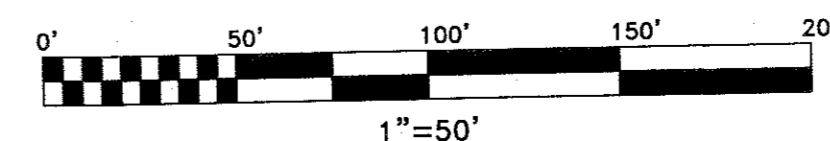
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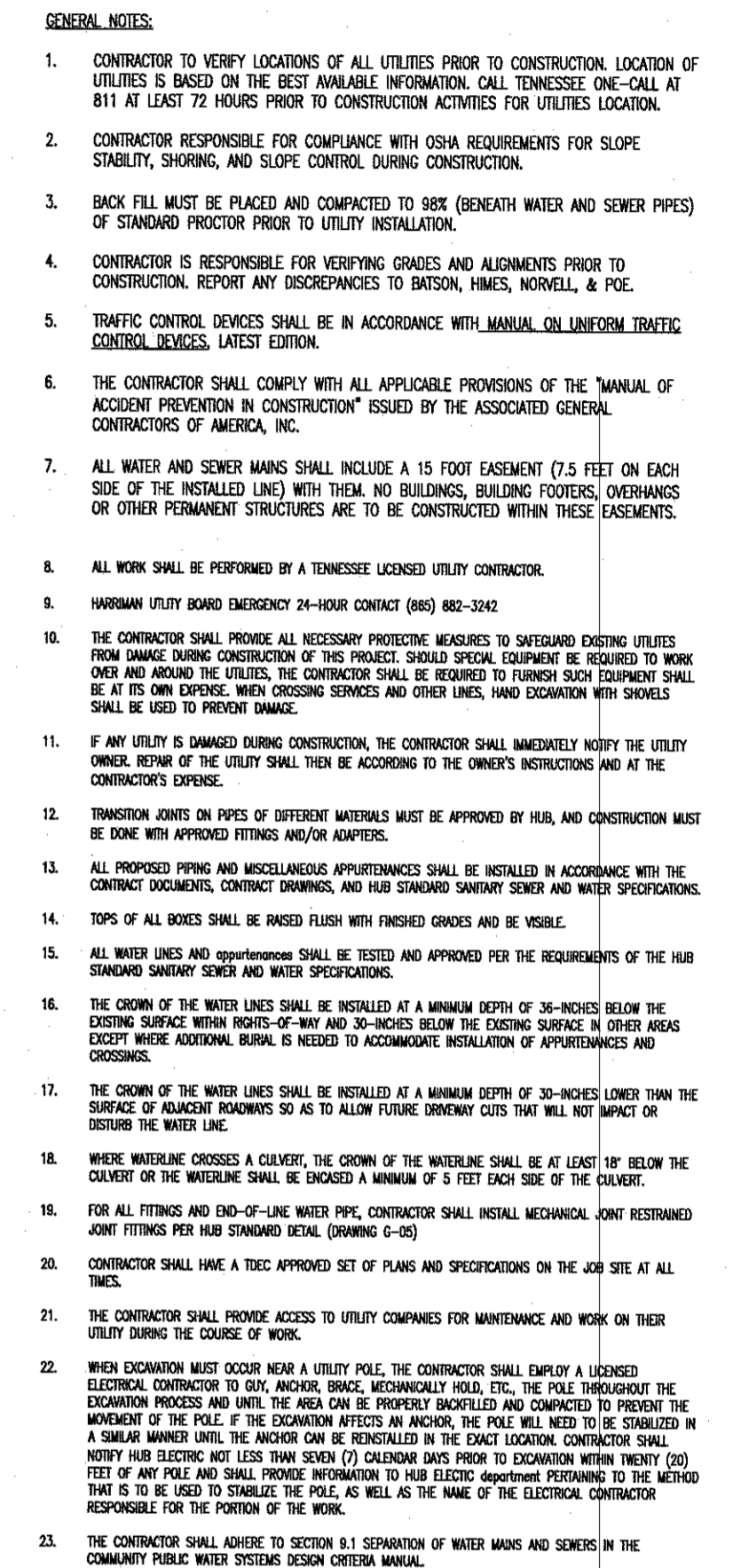
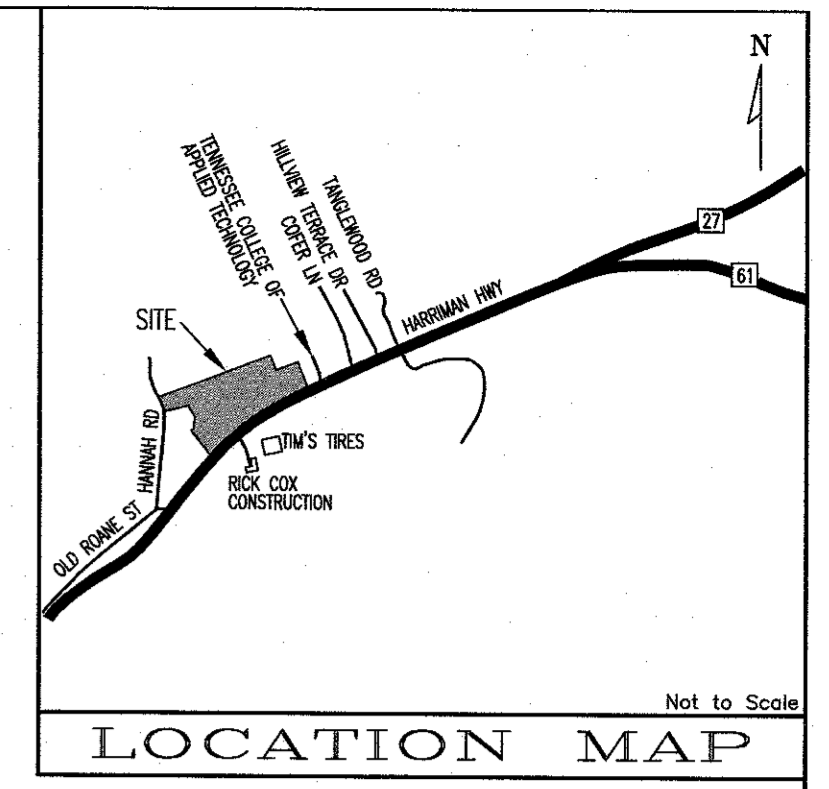
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SHEET 2 OF 3 SHEET(S)
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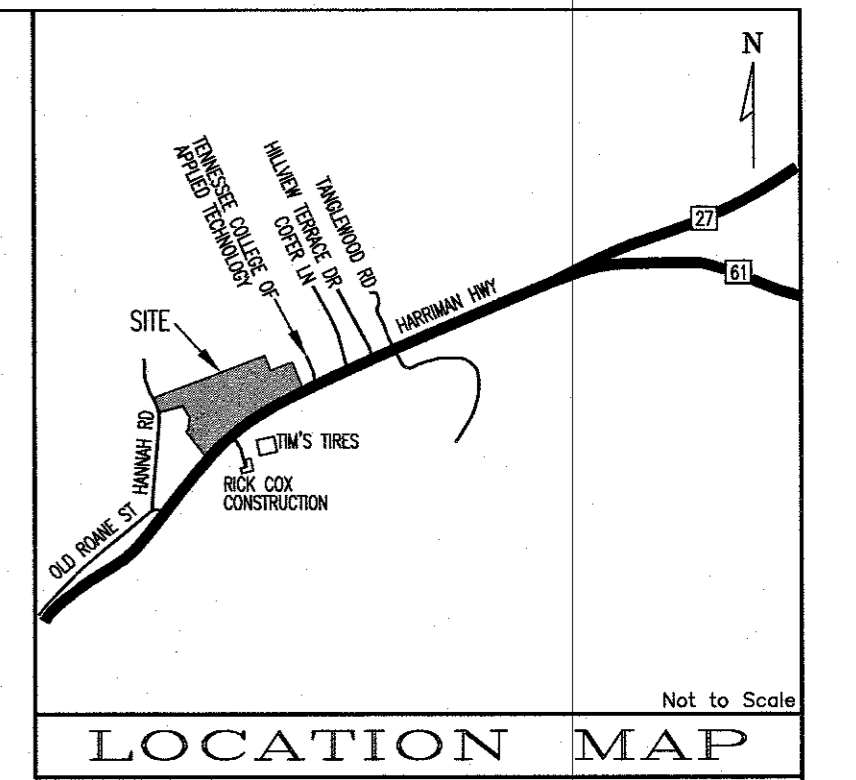


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[illegible]



- CONSTRUCTION OF THE SAWNEY SEWER SHALL CONFORM TO THE HANCOCK UTILITY BOARD LATEST REVISIONS OF THE STANDARD AND WATER SPECIFICATIONS.
- ALL WORK SHALL BE PERFORMED BY A LICENSED LICENSED UTILITY CONTRACTOR.
- HANCOCK UTILITY DEPARTMENT SHALL HAVE THE RIGHT TO REVIEW AND APPROVE ALL CONTRACTS AND SHALL HAVE A TIME-APPROVED SET OF PLANS AND SPECIFICATIONS ON THE JOB AT ALL TIMES.
- CONTRACTOR SHALL PROVIDE ACCESS TO UTILITIES COMPANIES FOR MAINTENANCE AND WORK ON THEIR UTILITIES DURING COURSE OF WORK.
- CONTRACTOR SHALL NOTIFY THE ENGINEER AND HAVE ALL NEARBY PROPERTIES BEING CONSIDERED FOR POSSIBLE DAMAGE PRIOR TO ANY WORK BEING UNDERTAKEN. CONTRACTOR SHALL BE RESPONSIBLE TO REPAIR DAMAGE TO ADJACENT PROPERTIES FROM DAMAGE DURING CONSTRUCTION OF THIS PROJECT. SHOULD SPECIAL EQUIPMENT BE REQUIRED TO WORK ON OR NEAR THE UTILITIES OF OTHER COMPANIES, CONTRACTOR SHALL BE RESPONSIBLE TO OBTAIN PERMISSION BEFORE WORKING. WHEN CROSSING SERVICES AND OTHER LINES, CONTRACTOR SHALL SHIELDS SHALL BE USED TO PROTECT SAME.
- ANY UTILITY LOCATED UNDERGROUND, 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.
- WHEN EXCAVATION IS TO OCCUR NEAR A UTILITY, POLICE, THE CONTRACTOR SHALL DISPLAY A LICENSED ELECTRICAL CONTRACTOR TO GUY, ANCHOR, BARGE, MECHANICALLY HOLED, ETC. THE POLICE THROUGHTH AND EXCAVATION SHALL BE PROTECTED BY THE CONTRACTOR. CONTRACTOR SHALL BE RESPONSIBLE TO PREVENT THE MOVEMENT OF THE POLICE IF THE EXCAVATION ATTERS AN ANCHOR, THE POLICE WILL NEED TO BE STABILIZED IN A SINKER MANHOLE LIDS, THE ANCHOR CAN BE REINFORCED IN THE DOCK LIDS.
- WHEN EXCAVATION SHALL BE UNDERTAKEN NEAR A UTILITY, THE CONTRACTOR SHALL BE RESPONSIBLE TO EXCAVATION WITHIN TWENTY (20) FEET OF ANY POLE AND POLE TO PROVIDE INFORMATION TO HOW HORIZONTAL, PERTAINING TO THE METHOD THAT IT TO BE USED TO STABILIZE THE POLICE. IF THE POLICE OF THE ELECTRICITY, CONTRACTOR SHALL BE RESPONSIBLE TO PROVIDE THE POSITION OF THE HOW HORIZONTAL, SEPARATION BETWEEN WATER AND SAWNEY SEWER SHALL BE 10:12. IF AS 10:12 OF EXCAVATION IS TO BE UNDERTAKEN, THE CONTRACTOR SHALL BE RESPONSIBLE TO PROVIDE THE WATER LINE WITH A MINIMUM OF 18" OF SEPARATION BETWEEN THE OUTSIDE OF THE PIPES.
- WHERE SEWER LINE IS INSTALLED ALONGSIDE ANCHOR UTILITY (OTHER THAN WATER), A MINIMUM HORIZONTAL SEPARATION SHALL BE 10:12 AND VERTICAL SEPARATION OF 18" SHALL BE MAINTAINED. NO STAINING, BUILDING FOOTINGS, OR OTHER PERMANENT STRUCTURES ARE TO BE CONSTRUCTED WITHIN 10-FOOT VERTICAL SEPARATION FROM ANY UTILITY. CONTRACTOR SHALL BE RESPONSIBLE TO THE BUILDING DEPARTMENT AND DAKOTA, SHALL BE DONE IN STRICT COMPLIANCE WITH THE PIPE MANUFACTURER'S RECOMMENDATIONS BUT MUST COMPLY WITH HANCOCK'S STANDARD SPECIFICATIONS.
- CONTRACTOR SHALL BE RESPONSIBLE AFTER GRADING IS COMPLETED AND APPROVED AND BEFORE ANY PAYMENT IS INSTALLED.
- CONTRACTOR SHALL USE SPECIAL CARE TO BOLT, BACKFILL, AND COMPACT PIPE CROSSINGS WHENEVER EXCAVATION IS TO BE UNDERTAKEN. CONTRACTOR SHALL BE RESPONSIBLE TO PROVIDE A 4" DEVELOPED OF UNCOMPLETED CRUSHED STONE (PER HANCO'S STANDARD SPECIFICATIONS) SUCH AS CRUSHED STONE SHALL BE USED TO PROTECT THE PIPE FROM DAMAGE.
- ALL SAWNEY SEWER LINES AND APPURTENANCES SHALL BE INSTALLED IN ACCORDANCE WITH HANCO'S STANDARD SPECIFICATIONS.
- WORK SHALL BE COMPLETED BY THE END OF EACH PROJECT.
- ALL SAWNEY SEWER LINES SHALL BE SDR 26 OR PROTECTED UNDER CLASS 350, (M)N UNLESS NOTED OTHERWISE.
- LOW-PRESSURE SEWER LINES SHALL BE 30" PIPE SDR 21.
- DUCTILE IRON PIPE (AND FITTINGS) PROTECTED UNDER CLASS 350 AND FITTINGS SHALL BE SDR 26 OR EQUIVALENT. ALL EXCAVATION SHALL BE BACKFILLED AND COMPRESSED WITH STEEL GRAPES, AND FOR ROAD ROADS WHERE STEEL GRAPES IS USED).
- DROP CONNECTIONS SHALL BE "INSIDE DROP STEP" PER HANCO'S STANDARD SPECIFICATIONS.
- SEWER SEWER SHALL BE INSTALLED IN A MANNER THAT IT SHALL BE PROTECTED IN PAVEMENT SHALL USE SOLID BRASS, THREADED, TIGHT-WATER GROM. EFFORTS SHOULD BE MADE TO PLACE CEMENTS IN 4" MINIMUM RADII SHOULD BE COMPLETED OR 4" MINIMUM STANDARD SPECIFICATIONS.
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- GRAVITY SEWER PIPE DEFLECTION AND ALIGNMENT SHALL BE CHECKED AFTER BACKFILLING AND COMPACTION ARE COMPLETED AND PRIOR TO PLACING THE WHOLEHOLE DUCT TEST DEFLECTION WITH A WANDER IN ACCORDANCE.
- PIPE WITH DEFLECTION OF 0.5" OR GREATER OR WITH UNDESIRED MISALIGNMENT SHALL BE REPLACED AT THE CONTRACTOR'S EXPENSE.
- RUBBER GROMMET JOINTS (PER HANCO STANDARD SPECIFICATIONS) SHALL BE FITTED WITH ANY PRECAST CONCRETE MANHOLE FOR EACH SAWNEY SEWER PIPE OR LATERAL, CONNECTING TO A MANHOLE EACH LAP. LATERAL CONNECTIONS SHALL BE MADE TO THE MAIN LINE WITH A 45° ELBOW. ALL 45° ELBOWS SHALL BE MECHANICALLY JOINTED, AND A FLEXIBLE PIPE CONNECTOR MUST BE INSTALLED PER HANCO STANDARD SPECIFICATIONS.
- SMALLEST TOP OF COVERING (T.O.C.) ELEVATIONS (ALL LINES) FLUSH WITH FLOOR GRAPES TO MATCH CROSS SLOPES AND LONGITUDINAL SLOPES.
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RECORD AND SAVE YOUR
CONFIRMATION NUMBER.

25457-AB-WWL1	
SHEET 1	OF 4 SHEET(S) Q:\25457\PHASE 1\AS-BUILT\25457-1-AB.DWG




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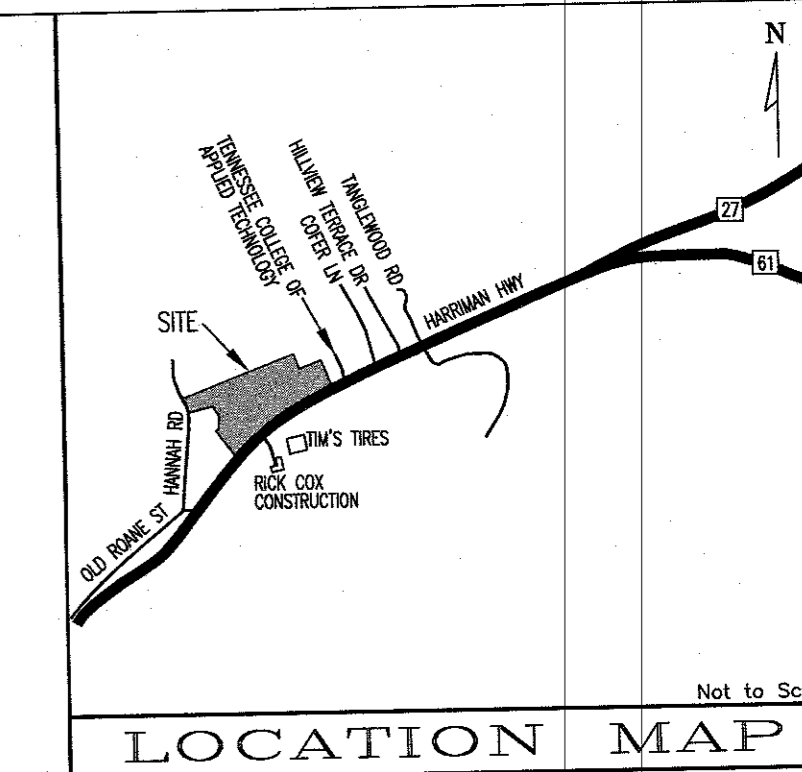
HARRIMAN UTILITY BOARD

0' 50' 100' 150' 200'

1"=50'


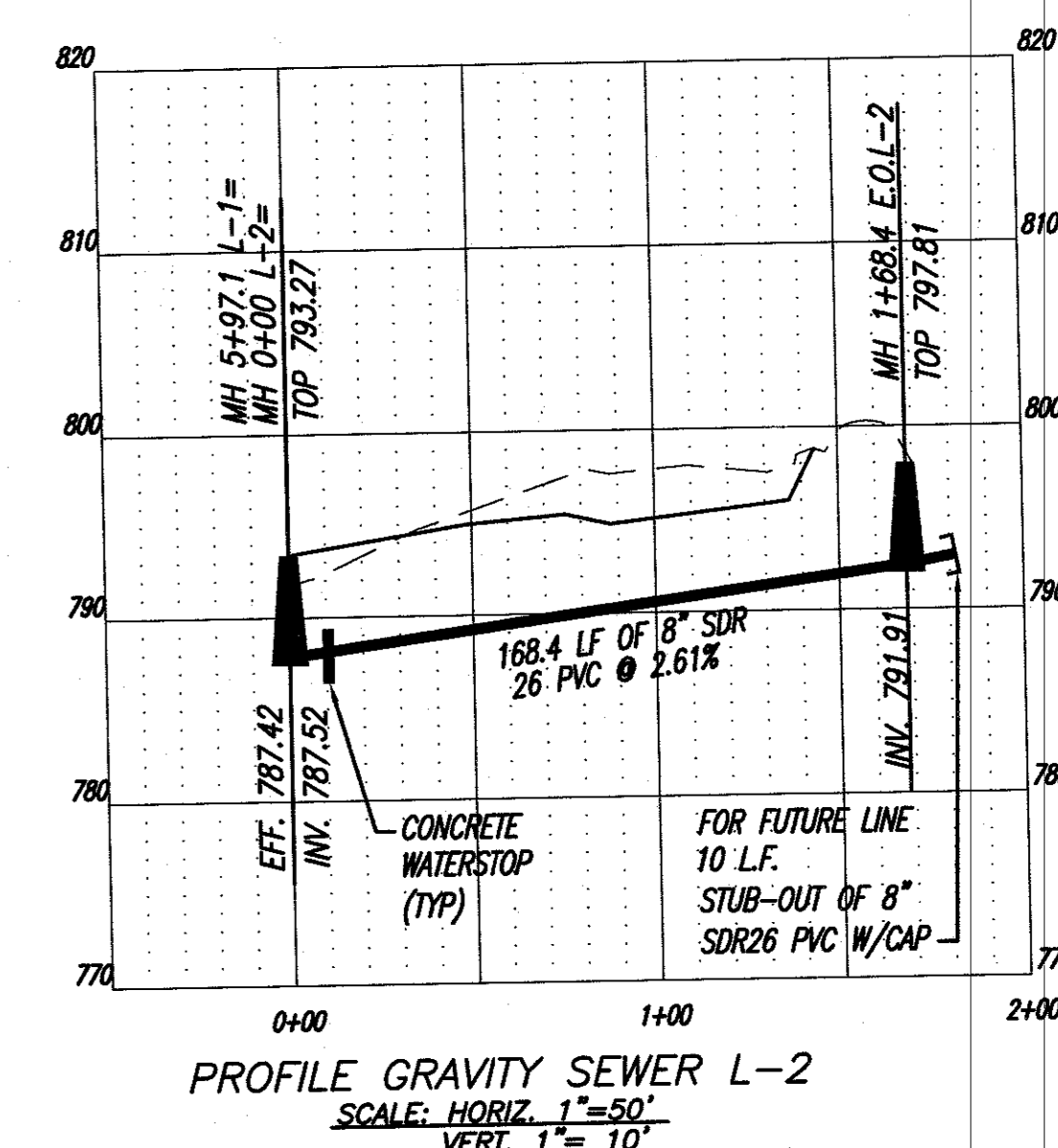


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Profile Gravity Sewer L-5

SCALE: HORIZ. 1"=50'
VERT. 1"=10'



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TAX MAP 18, PARCEL 2.04
1ST CIVIL DISTRICT, ROANE COUNTY, TENNESSEE
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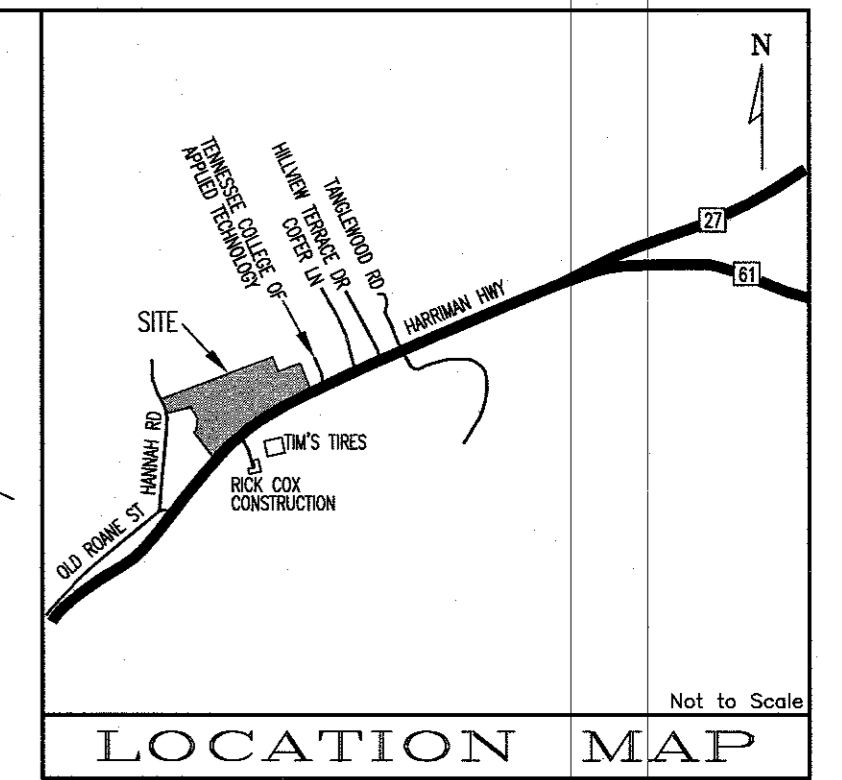
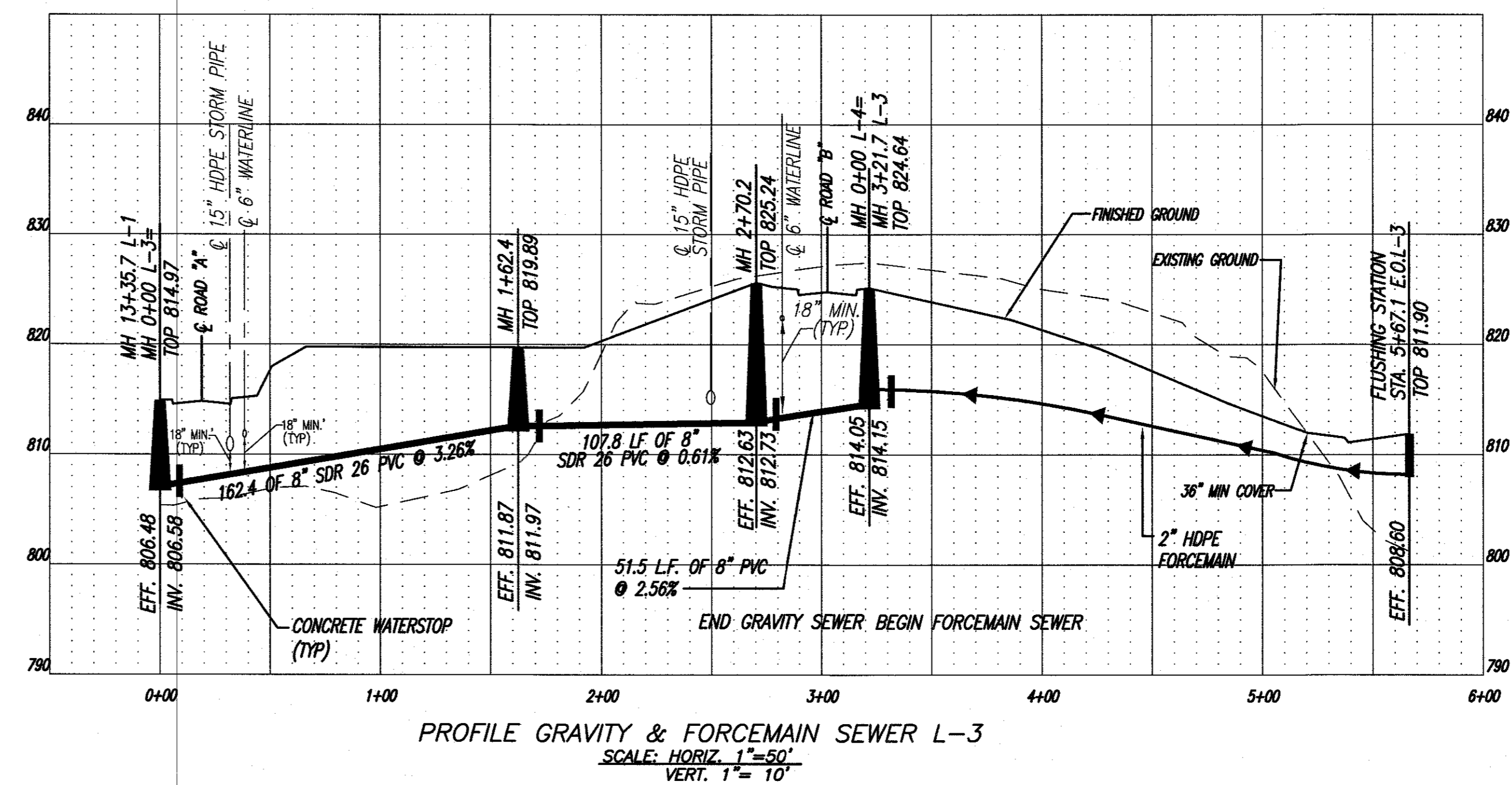
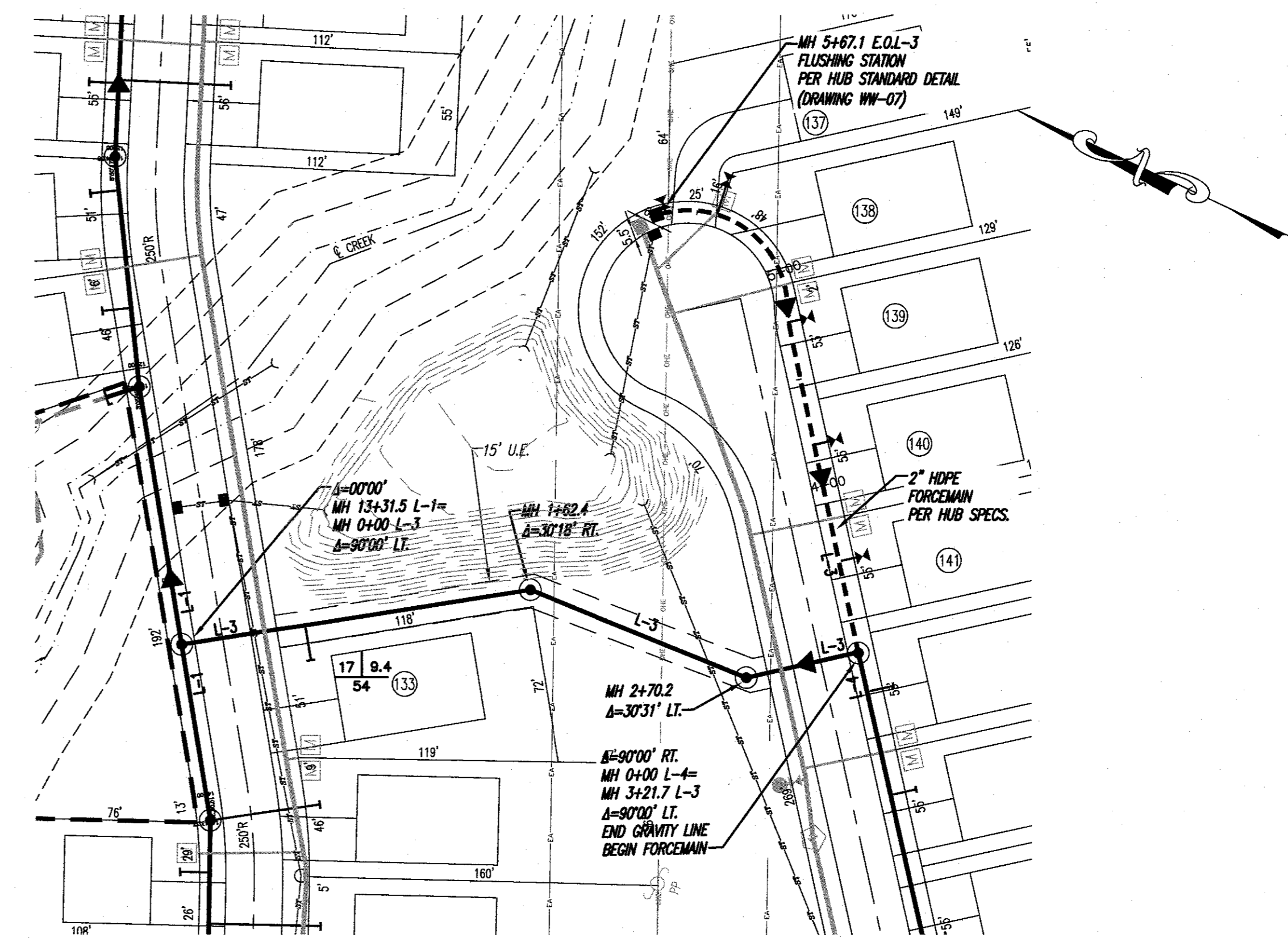
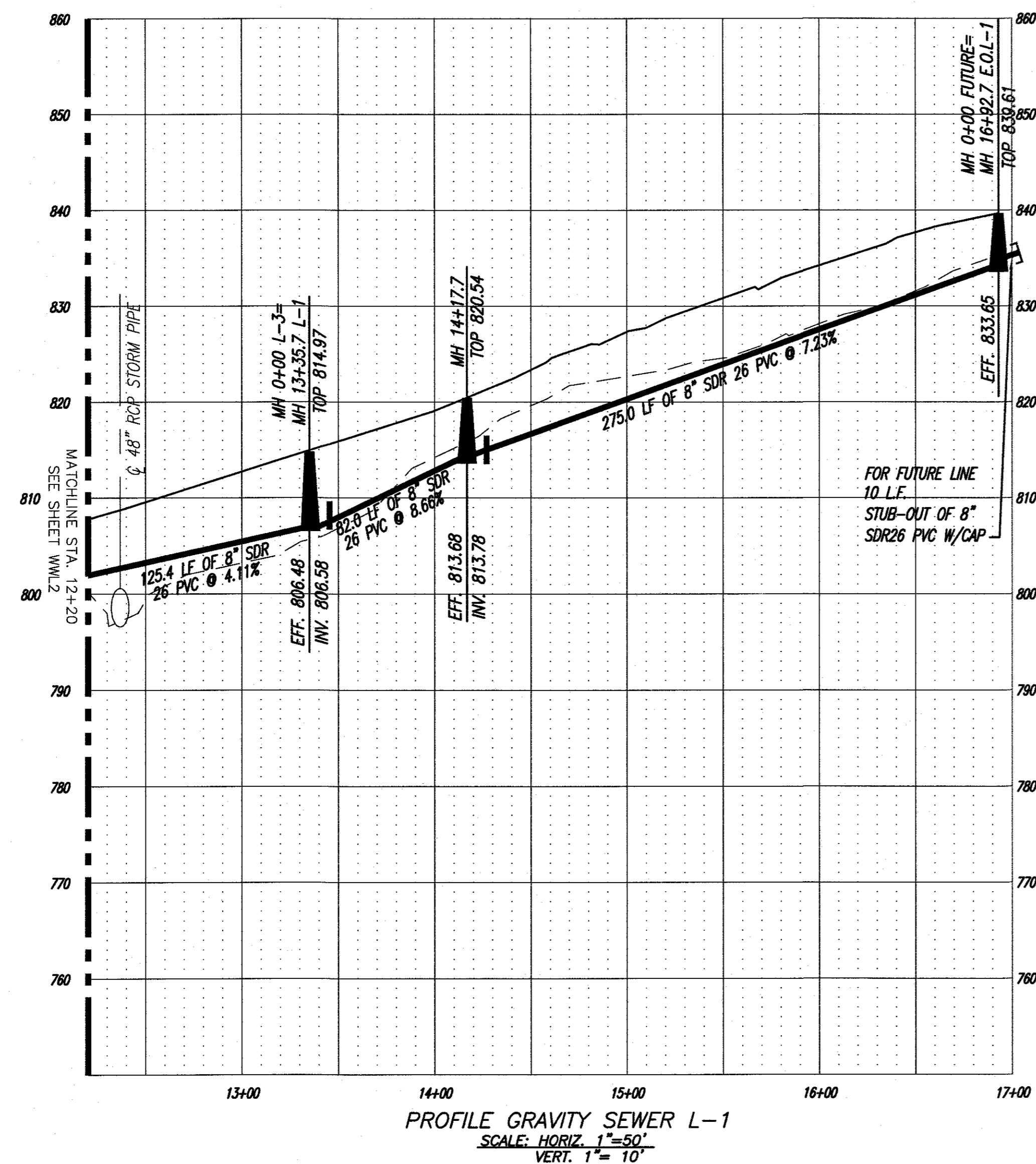
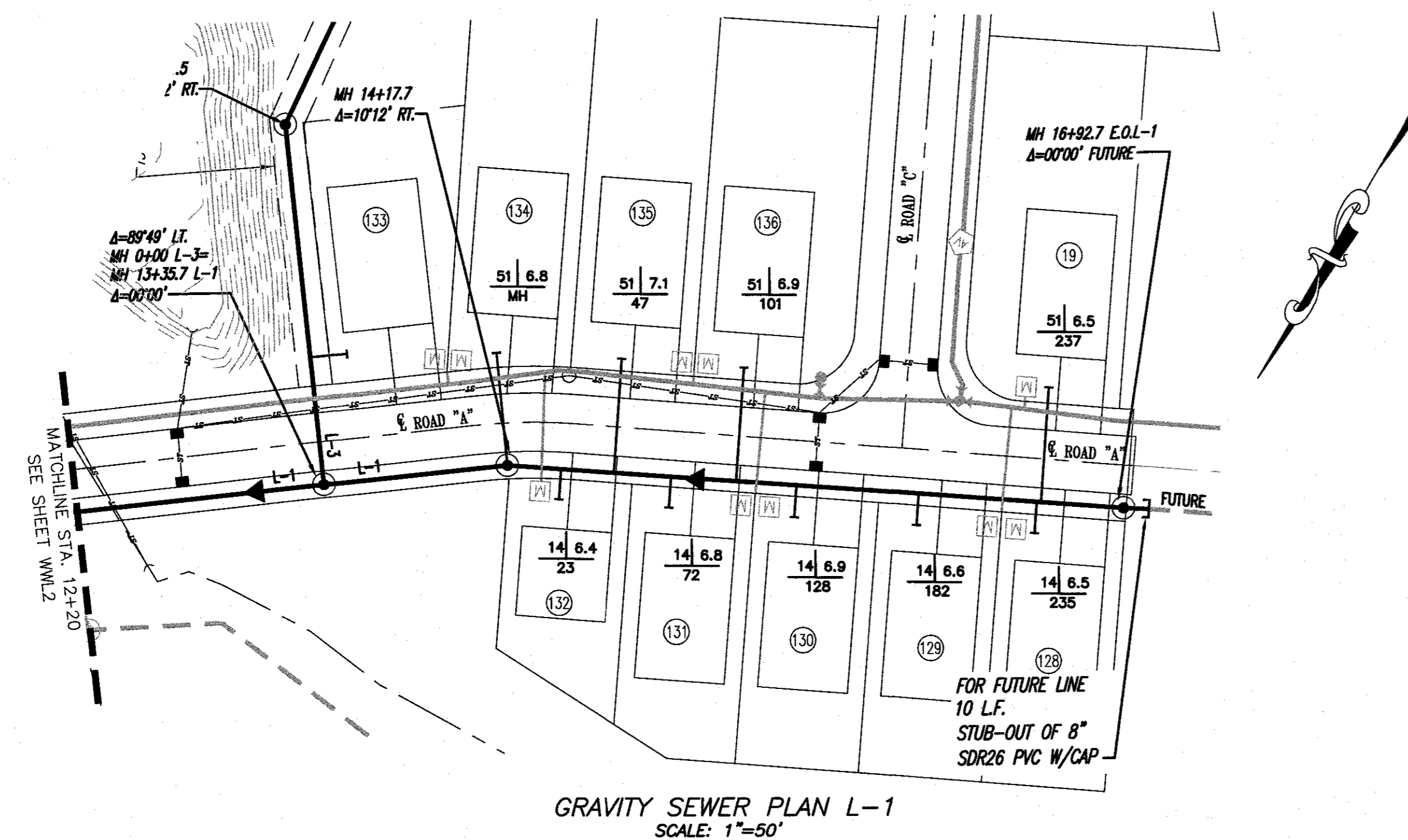
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0' 50' 100' 150'

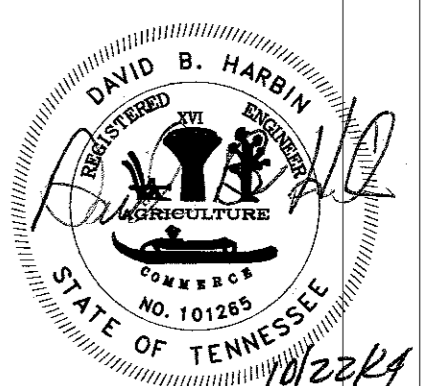
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"RECORD DRAWING"



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



SEWER AS-BUILT FOR
EMORY CREEK SUBDIVISION PHASE 1
TAX MAP 18, PARCEL 2.04
1ST CIVIL DISTRICT, ROANE COUNTY, TENNESSEE
CITY OF HARRIMAN

25457-AB-WWL3

SHEET 3 OF 4 SHEET(S)
Q:\25457\PHASE
1\AS-BUILT\25457-1-AB.DWG

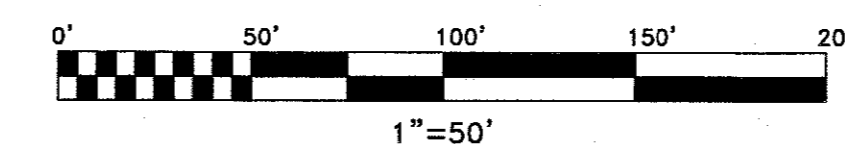


BATSON, HIMES, NORVELL & POE
REGISTERED ENGINEERS & LAND SURVEYORS
4334 PAPERMILL DRIVE
KNOXVILLE, TENNESSEE 37909
PHONE: (865) 588-6472
FAX: (865) 588-6473
email@bhn-p.com

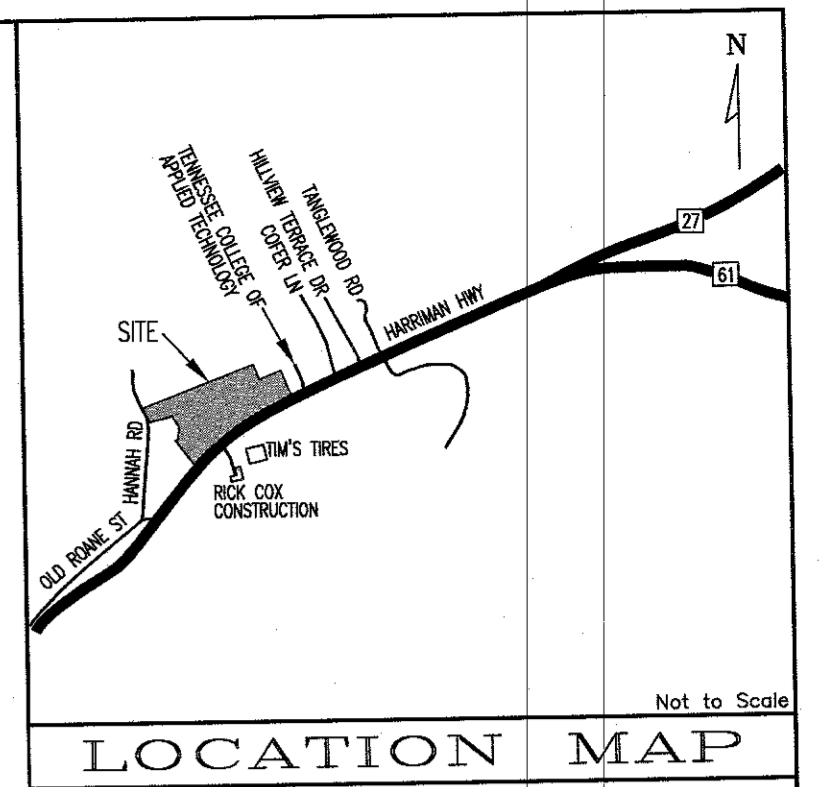
DESIGNED	DBH
DRAWN	SEW
CHECKED	DBH

NO.	DATE	REVISION	APPR.	NO.	DATE	REVISION	APPR.
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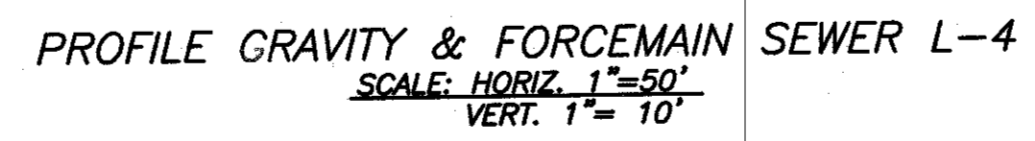
SCALE 1" = 50'
DATE 10/22/24



HARRIMAN UTILITY BOARD



GRAVITY SEWER PLAN L-4
SCALE: 1"=50'

[illegible]