

# 2024 CDBG NEW JOHNSONVILLE COLLECTION SYSTEM REHABILITATION

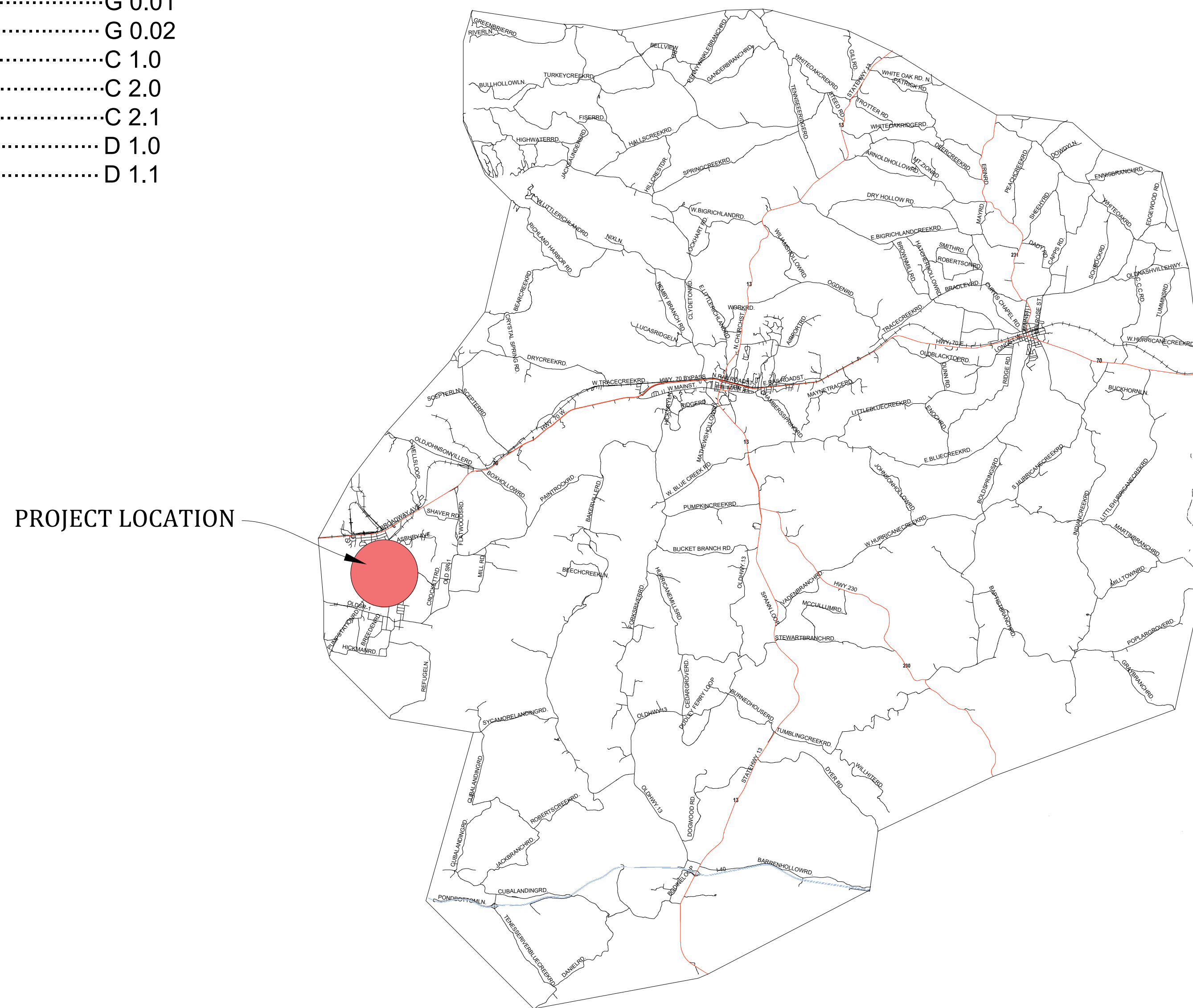
THE CITY OF NEW JOHNSONVILLE, TENNESSEE

WAYNE WOODS - MAYOR  
LARRY BRADFORD - VICE MAYOR  
KRYSTAL BEASLEY - COUNCIL MEMBER  
RON GINGERICH - COUNCIL MEMBER  
JAMES CORBITT - COUNCIL MEMBER  
CHRIS BROWNING - COUNCIL MEMBER  
CODY KESLINGER - COUNCIL MEMBER  
MICHAEL U. KING - CITY ATTORNEY  
BRANDY VANN - CITY RECORDER

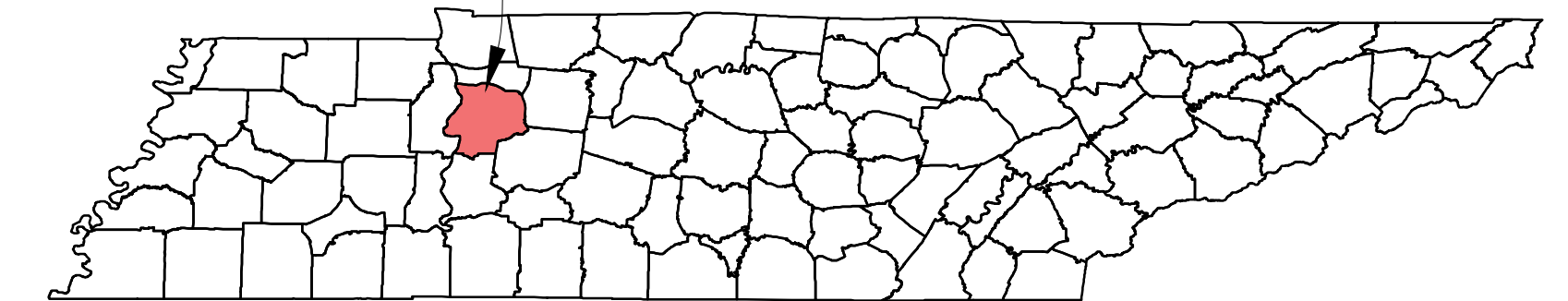
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## HUMPHREYS COUNTY, TENNESSEE



PROJECT LOCATION



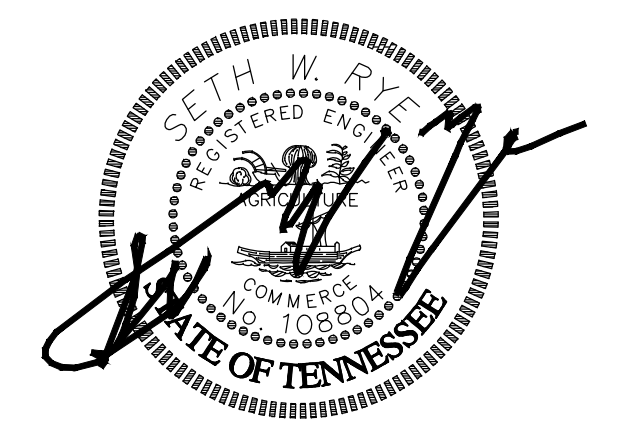
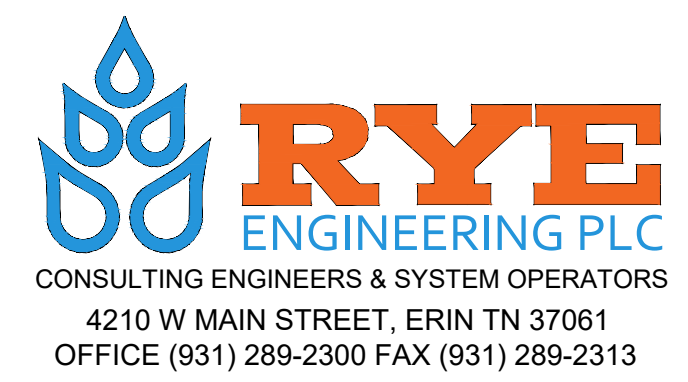
WPN 25.0687  
New Johnsonville Collection System Rehab  
APPROVED FOR CONSTRUCTION

THE DOCUMENT BEARING THIS STAMP HAS BEEN RECEIVED AND REVIEWED BY THE  
TENNESSEE DEPT. OF ENVIRONMENT & CONSERVATION  
DIVISION OF WATER RESOURCES  
AND IS HEREBY APPROVED FOR CONSTRUCTION BY THE COMMISSIONER

*[Signature]*  
December 8, 2025

THIS APPROVAL SHALL NOT BE CONSTRUED AS CREATING A  
PRESUMPTION OF CORRECT OPERATION OR AS WARRANTING BY THE  
COMMISSIONER THAT THE APPROVED FACILITIES WILL REACH THE  
DESIGNED GOALS.

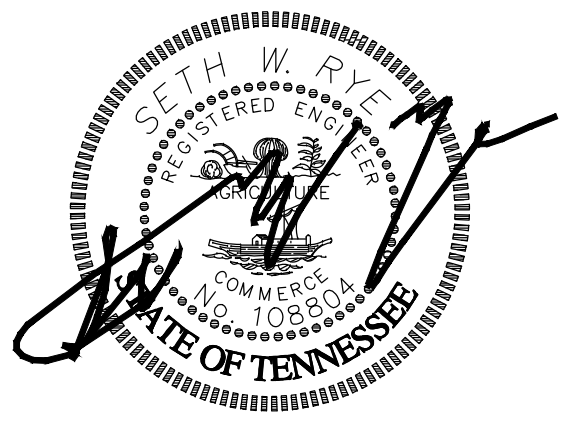
APPROVAL EXPIRES ONE YEAR FROM ABOVE DATE



DATE: 10/21/2025

**2024 CDBG NEW  
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REHABILITATION**

THE CITY OF NEW  
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GENERAL NOTES:

1. THE CONTRACTOR SHALL COMPLY WITH ALL LOCAL CODES, OBTAIN ALL PERMITS, AND PAY ALL PERMIT AND TAP FEES PRIOR TO BEGINNING WORK.
2. ALL CONSTRUCTION SHALL BE MADE IN ACCORDANCE WITH THE SPECIFICATIONS AND DETAILS INCLUDED IN THE CONSTRUCTION PLANS AND PROJECT MANUAL. IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO COORDINATE CONSTRUCTION WITH THE CITY OF ERIN AND THE ENGINEER.
3. THE CONTRACTOR SHALL NOTIFY THE TENNESSEE ONE-CALL SYSTEM AND ANY NON ONE-CALL UTILITIES INDIVIDUALLY, AT LEAST THREE WORKING DAYS PRIOR TO ANY EXCAVATION AND/OR DEMOLITION.
4. UNDERGROUND STRUCTURES AND UTILITIES SHOWN ARE STRICTLY APPROXIMATE IN LOCATION AND DEPTH, AND MAY NOT BE THE ONLY UTILITIES PRESENT. THE CONTRACTOR SHALL VERIFY FIELD SIZES, LOCATIONS, AND ELEVATIONS OF EXISTING UNDERGROUND UTILITIES, PRIOR TO BEGINNING WORK. NOTIFY ENGINEER OF ANY DISCREPANCIES. IT IS THE CONTRACTORS RESPONSIBILITY TO RELOCATE ANY INTERFERING UTILITIES.
5. IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO REPAIR ANY DAMAGE TO PROPERTY OF ADJOINING PROPERTIES DURING CONSTRUCTION.
6. THE CONTRACTOR SHALL BE RESPONSIBLE FOR PROTECTING, MAINTAINING, AND RESTORING ALL EXISTING DRAINAGE SYSTEMS.
7. THE CONTRACTOR SHALL PROTECT THE PUBLIC FROM WORK AT ALL TIMES. WHEN THE WORK AREA IS IN AN AREA OF DIRECT PUBLIC ACCESS, THE WORK AREA BARRICADED AND ILLUMINATED DARKNESS AND PERIODS OF ACTIVITY.
8. CONTRACTOR SHALL PROVIDE TRAFFIC CONTROL FOR ALL WORK IN PUBLIC RIGHT-OF-WAYS. TRAFFIC CONTROL SHALL BE IN ACCORDANCE WITH FEDERAL AND STATE MANUALS OF UNIFORM TRAFFIC CONTROL DEVICES (MUTCD) CURRENT EDITION.
9. CONTRACTOR SHALL ALLOW FULL ACCESS TO PROPERTIES AFFECTED BY UTILITY CONSTRUCTION.
10. CONTRACTOR SHALL PROVIDE SHEETING, SHORING, AND BRACING AS NECESSARY, TO PROTECT WORKMEN AND EXISTING UTILITIES DURING ALL PHASES OF CONSTRUCTION. THE CONTRACTOR SHALL PROVIDE A TRENCH SAFETY SYSTEM MEET ALL APPROPRIATE OCCUPATIONAL SAFETY AND HEALTH ADMINISTRATION REGULATIONS.
11. THE CONTRACTOR SHALL MAKE A PHYSICAL INSPECTION OF THE SITE BEFORE SUBMITTING A PROPOSAL FOR THE PROJECT. IT IS ASSUMED THAT THE CONTRACTOR HAS EXAMINED THE, PLANS SPECIFICATIONS AND THE SITE BEFORE SUBMITTING A PROPOSAL. ANY ITEMS THAT WOULD BE REASONABLY REQUIRED FOR CONSTRUCTION, WHETHER OR NOT SPECIFICALLY DENOTED IN THE PLANS SHALL BE PROVIDED BY THE CONTRACTOR.
12. MAINTAIN ONE SET ONE SET OF AS-BUILT DRAWINGS ON THE JOB SITE FOR DISTRIBUTION TO THE ENGINEER UPON COMPLETION. AS-BUILTS SHALL INCLUDE LOCATIONS AND ELEVATIONS OF ALL SEWER INFRASTRUCTURE, APPURTENANCES, AND STRUCTURES ON SITE.
13. CONTINUOUSLY CLEAN-UP AND REMOVE WASTE MATERIALS FROM SITE. DO NOT ALLOW MATERIALS TO ACCUMULATE ON SITE.
14. SEWER SYSTEM SHALL BE INSTALLED, TESTED, AND CLEARED FOR SERVICE IN STRICT ACCORDANCE WITH ALL STATE AND LOCAL CODES, SPECIFICATIONS, AND REGULATIONS.
15. ROUTE OF NEW UTILITIES IS SHOWN AS APPROXIMATE. ADJUSTMENTS TO ALIGNMENT SHALL BE MADE IN THE FIELD, IF FIELD CONDITIONS VARY FROM THE PLANS. NO CHANGE ORDERS SHALL BE ISSUED FOR MINOR ALIGNMENT CHANGES FOR EXPLORATORY DIGGING. ANY AND ALL ADJUSTMENTS TO THE ALIGNMENT SHALL BE APPROVED BY THE ENGINEER PRIOR TO WORKING.
16. CONTRACTOR SHALL RESTORE ALL AFFECTED STRUCTURES AND PROPERTY DURING CONSTRUCTION, TO A CONDITION THAT IS EQUAL OR BETTER THAN THE PRE-CONSTRUCTION CONDITIONS, AND/OR CONDITION THAT IS SATISFACTORY TO THE PROPERTY OWNER AND THE CITY OF ERIN.
17. THE CONTRACTOR IS REQUIRED TO PROVIDE AND INSTALL TRACER WIRE AND DETECTOR TAPE.
18. THE CONTRACTOR SHALL LANDSCAPE DISTRIBUTED AREAS IMMEDIATELY AFTER CONSTRUCTION TO WITHIN 0.3 FEET OF EXISTING GRADE
19. ALL PAVED SURFACES SHALL BE RESTORED TO EXISTING OR BETTER CONDITION.
20. THE COLLECTION SYSTEM SHALL REMAIN IN OPERATION THE ENTIRE DURATION OF CONSTRUCTION. IT IS THE CONTRACTOR'S RESPONSIBILITY TO ENSURE FLOW DOES NOT CEASE. BYPASS PUMPING METHODS SHALL BE INCLUDED IN CONTRACTOR'S BID
21. NO SOIL TESTS OR CORING HAVE BEEN PERFORMED. IT IS THE CONTRACTOR'S RESPONSIBILITY TO JUDGE IF ROCK EXCAVATION MAY BE REQUIRED, AND NOTIFY ENGINEER IMMEDIATELY. CONTRACTOR MAY PERFORM SPOT DIGS ALONG THE ALIGNMENT, AFTER OBTAININ PERMISSION FROM THE ENGINEER, CITY, AND LANDOWNER.
22. SHALL CONFORM TO THE SPECIFICATIONS AND DETAILS INCLUDED IN THE CONSTRUCTION PLANS FOR THIS PROJECT.
23. CONTRACTOR SHALL FIELD LOCATE ALL EXISTING UTILITIES PRIOR TO CONSTRUCTION.
24. MINIMUM CLEARANCE BETWEEN WATER LINES AND SEWER LINES SHALL BE 18" VERTICALLY, OR 10' HORIZONTALLY.
25. ALL STATIONING IS APPROXIMATE. CONTRACTOR SHALL BE RESPONSIBLE FOR THE LAYOUT OF ALL WATER LINES AND APPURTENANCES.
26. CONTRACTOR IS RESPONSIBLE FOR MAINTAINING PROPER EROSION CONTROL MEASURES DURING CONSTRUCTION IN ACCORDANCE WITH COUNTY AND STATE REGULATIONS.
27. CONTRACTOR IS RESPONSIBLE FOR MAINTENANCE OF LAYDOWN / STORAGE AREA / PARKING AREA.

REVISION BLOCK

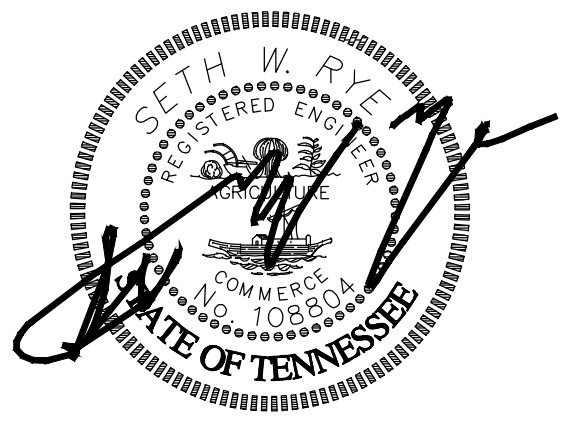
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GENERAL NOTES

**G 0.01**

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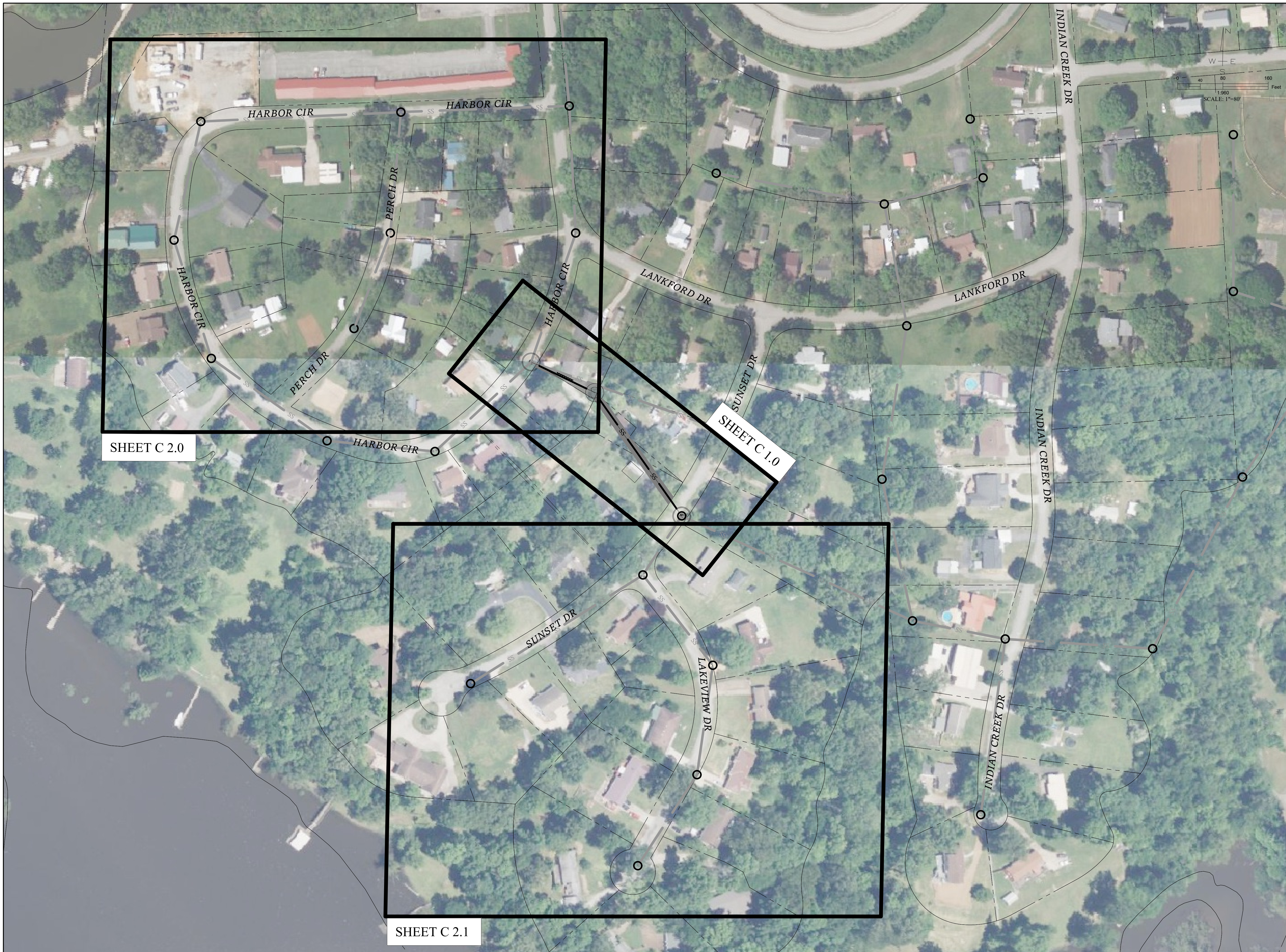
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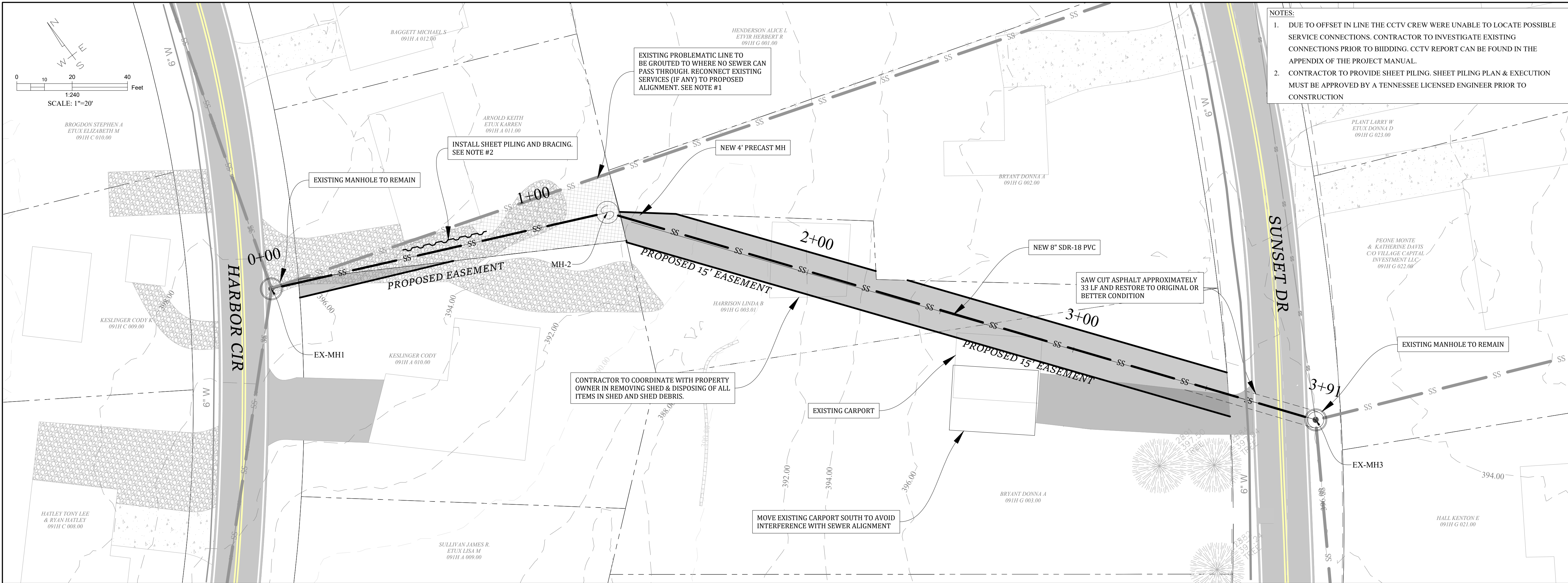
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SHEET INDEX

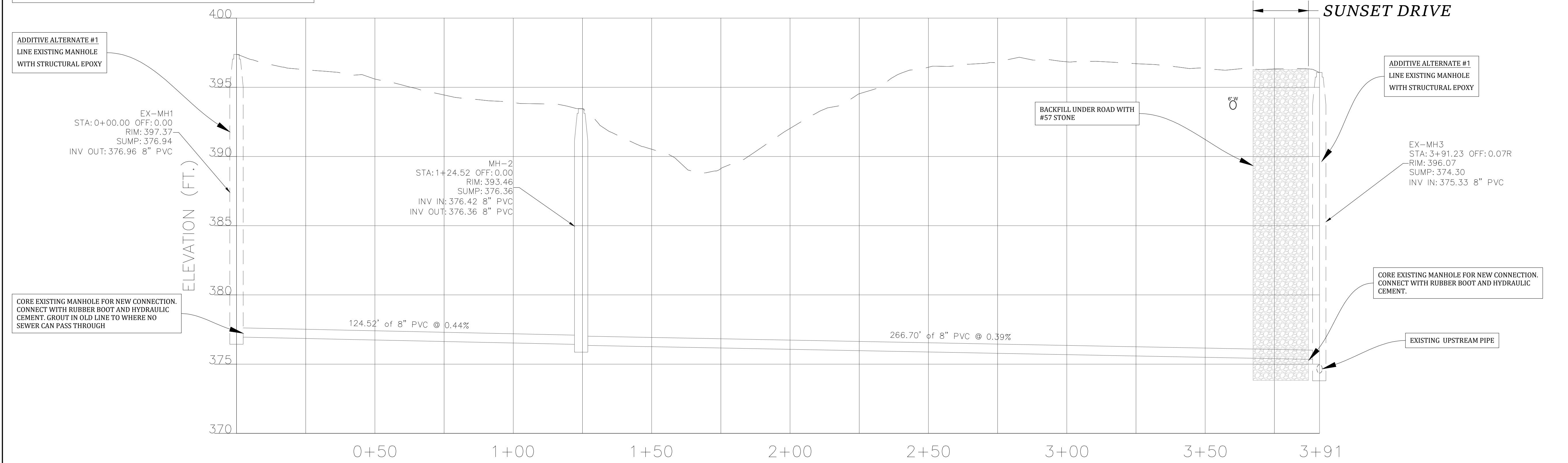
**G 0.02**



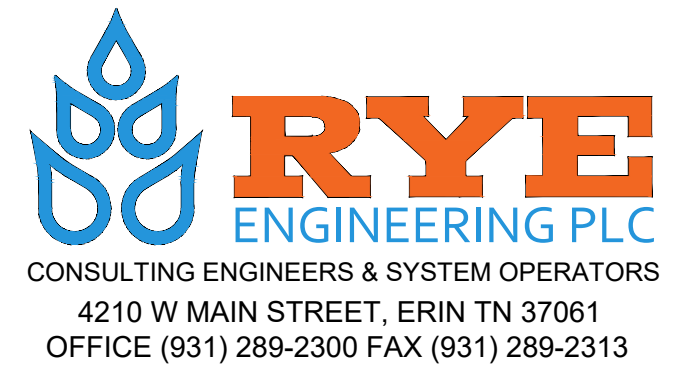


- NOTES:**
1. DUE TO OFFSET IN LINE THE CCTV CREW WERE UNABLE TO LOCATE POSSIBLE SERVICE CONNECTIONS. CONTRACTOR TO INVESTIGATE EXISTING CONNECTIONS PRIOR TO BIDDING. CCTV REPORT CAN BE FOUND IN THE APPENDIX OF THE PROJECT MANUAL.
  2. CONTRACTOR TO PROVIDE SHEET PILING. SHEET PILING PLAN & EXECUTION MUST BE APPROVED BY A TENNESSEE LICENSED ENGINEER PRIOR TO CONSTRUCTION

- NOTES:**
1. ANY SECTION OF NEW SEWER SHALL BE BACKFILLED COMPLETELY WITH #57 STONE WHERE UNDERNEATH DRIVES/ROADS.
  2. OFFSET CORE DRILL AS NEEDED TO AVOID CONTACT WITH EXISTING LINE

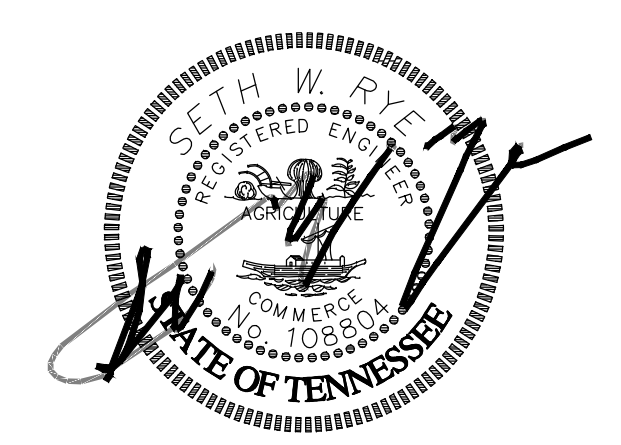


**POINT REPAIR PROFILE**  
SCALE H:1"=1'; V:1"=4'



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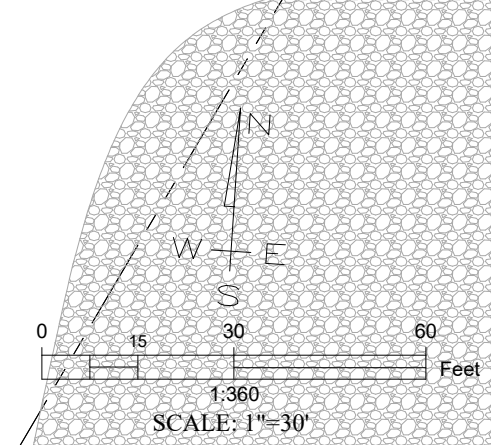
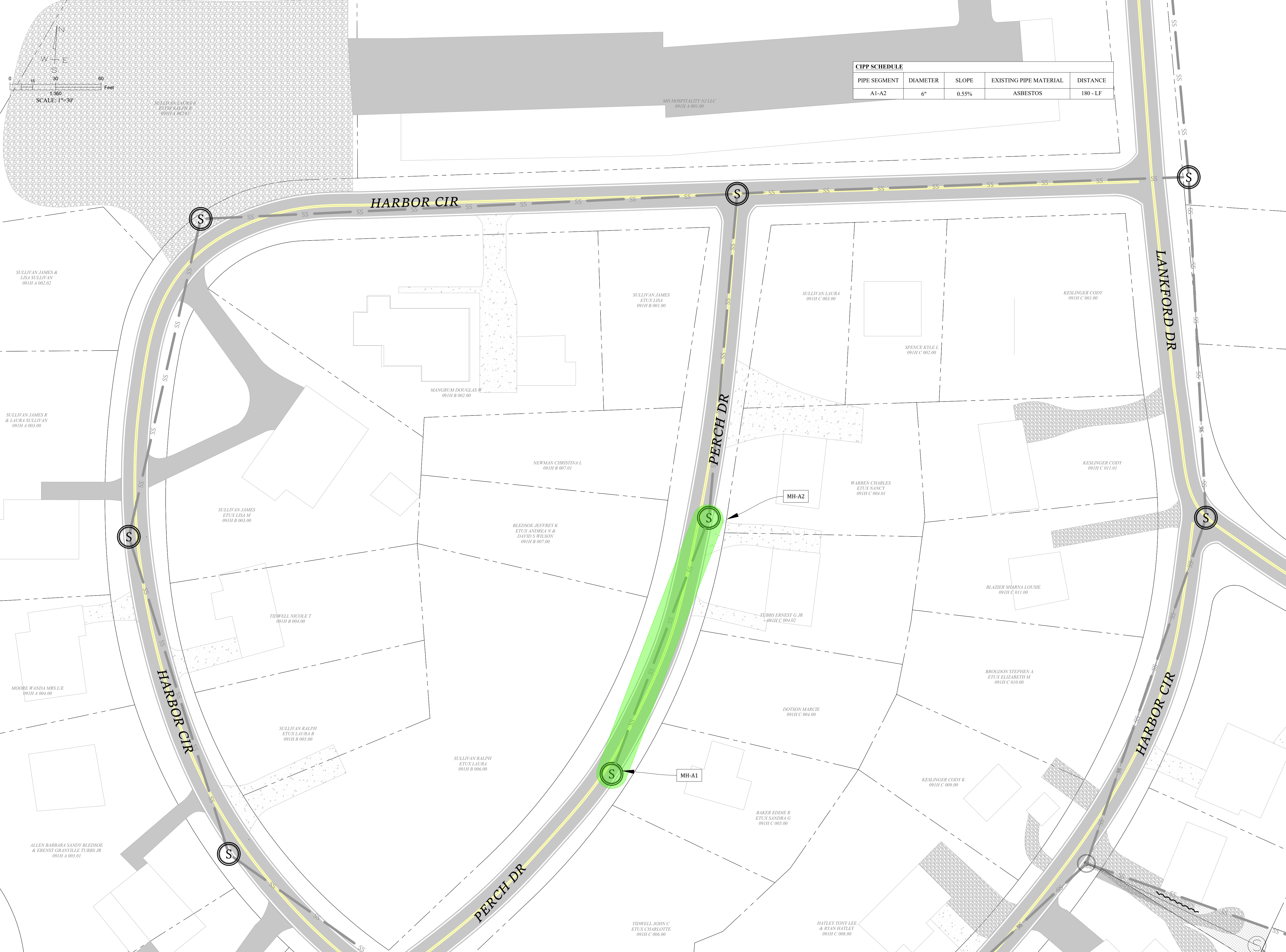
**LEGEND**

- EXISTING PROPERTY LINE
- SS --- PROPOSED 8" SDR-26 SEWER
- EXISTING MANHOLE
- █ PERMANENT 15' EASEMENT
- Ⓢ NEW 4' PRECAST MANHOLE
- SS --- EXISTING GRAVITY SEWER
- ▨ EXISTING SEWER EASEMENT

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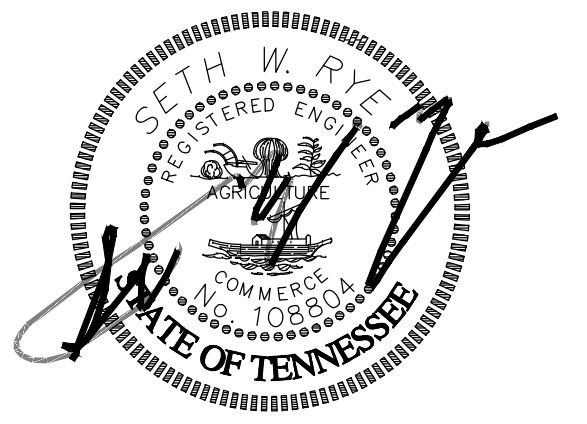
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CIPP SCHEDULE				
PIPE SEGMENT	DIAMETER	SLOPE	EXISTING PIPE MATERIAL	DISTANCE
A1-A2	6"	0.55%	ASBESTOS	180 - LF





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**LEGEND**

-  EXISTING PROPERTY LINE
-  EXISTING SEWER LINE (CIPP LINING PERFORMED IN 2022)
-  EXISTING MANHOLE
-  PROPOSED CIPP LINING



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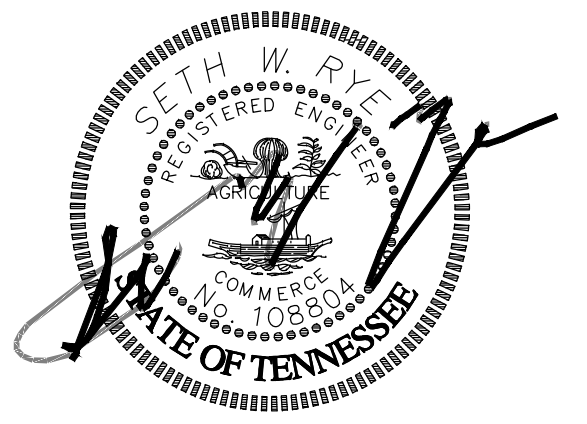
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**ALTERNATE #2**  
**GRAVITY SEWER CIPP LINING**

**C 2.0**





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**LEGEND**

-  EXISTING PROPERTY LINE
-  EXISTING SEWER LINES
-  EXISTING MANHOLE
-  PROPOSED CIPP LINING



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**ALTERNATE #2  
GRAVITY SEWER CIPP LINING**

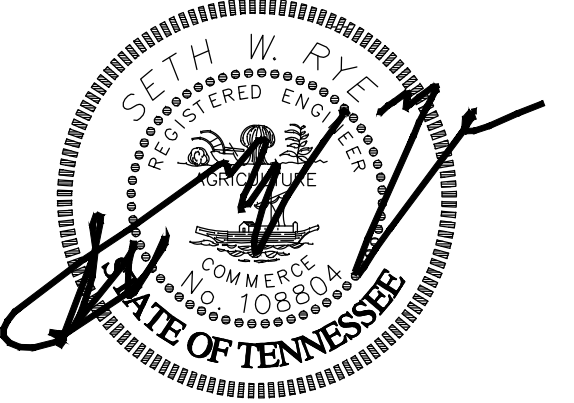
**C 2.1**



CIPP SCHEDULE				
PIPE SEGMENT	DIAMETER	SLOPE	EXISTING PIPE MATERIAL	DISTANCE
B1-B2	8"	1.38%	CLAY	360 - LF
B3-B4	8"	3.22%	CLAY	450 - LF
B5-B6	8"	0.52%	CLAY	192 - LF
B6-B7	8"	0.51%	CLAY	195 - LF

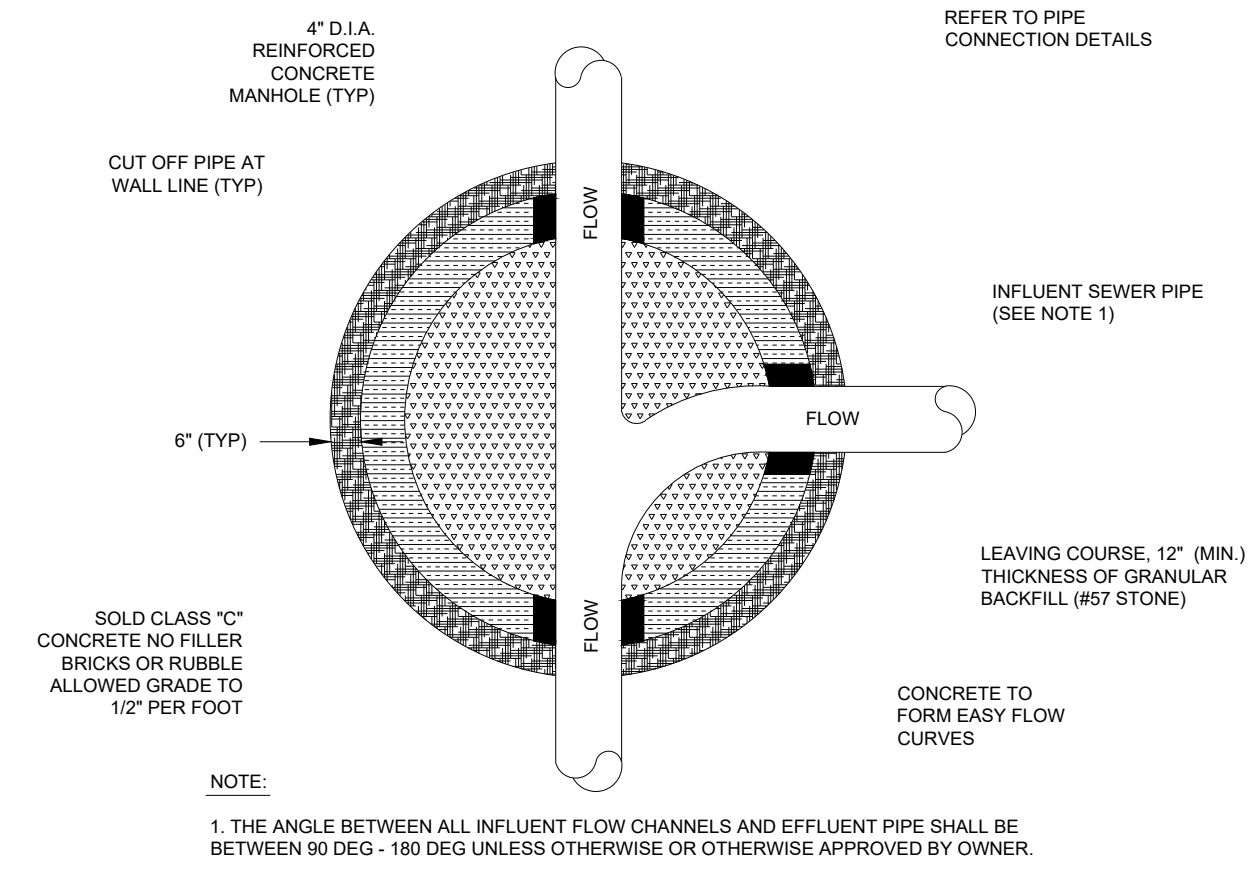
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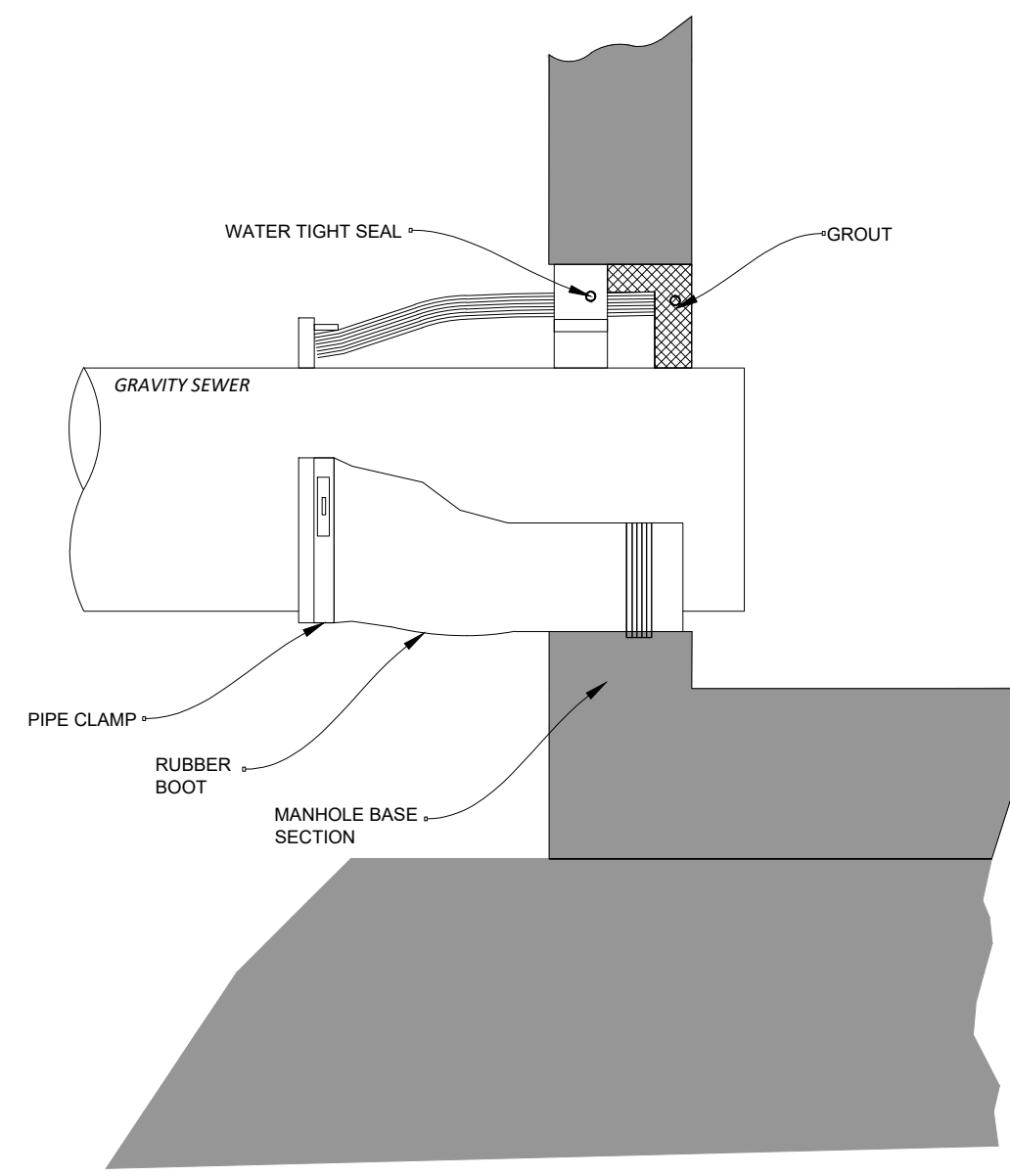


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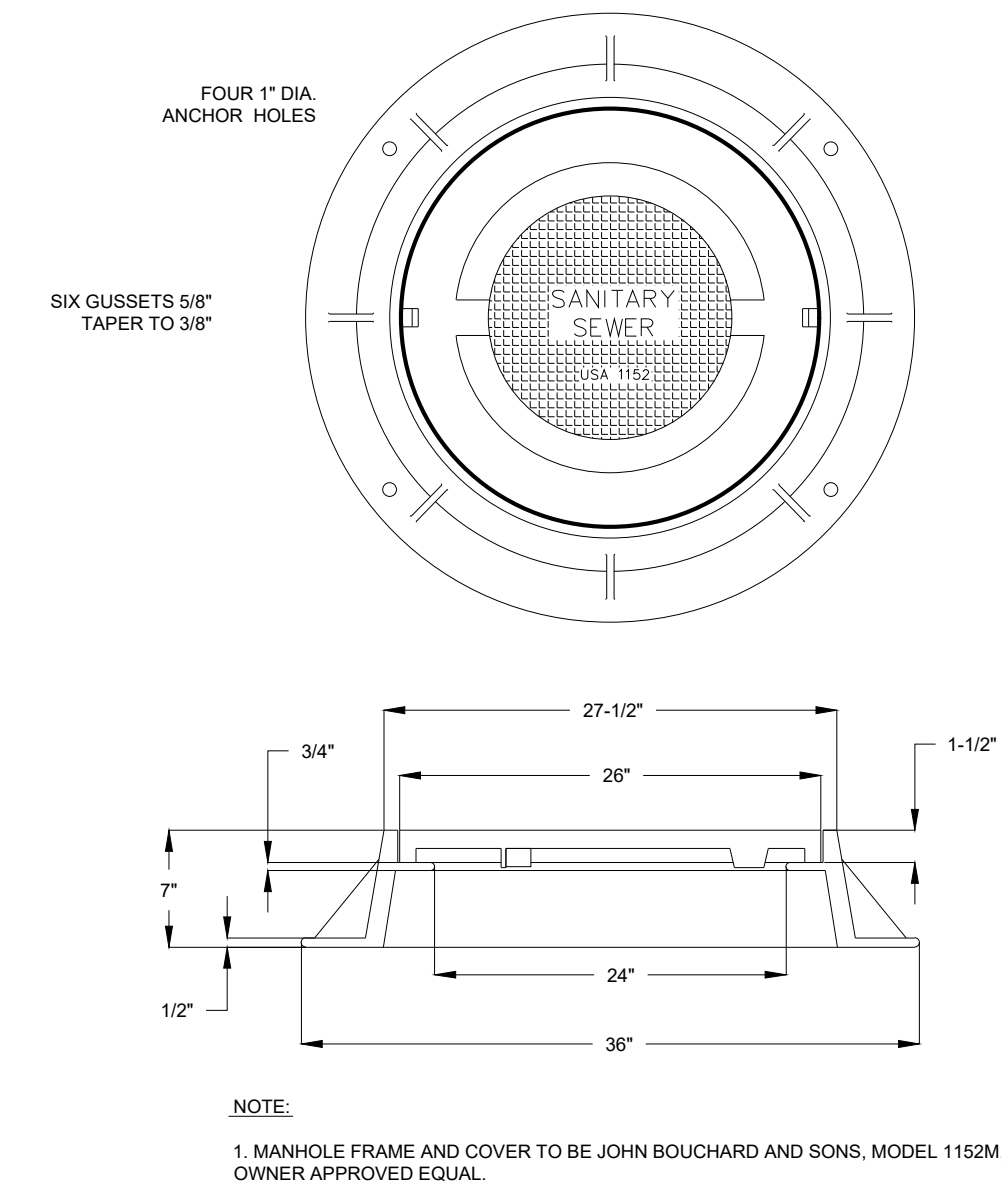
**STANDARD MANHOLE  
PLAN VIEW**



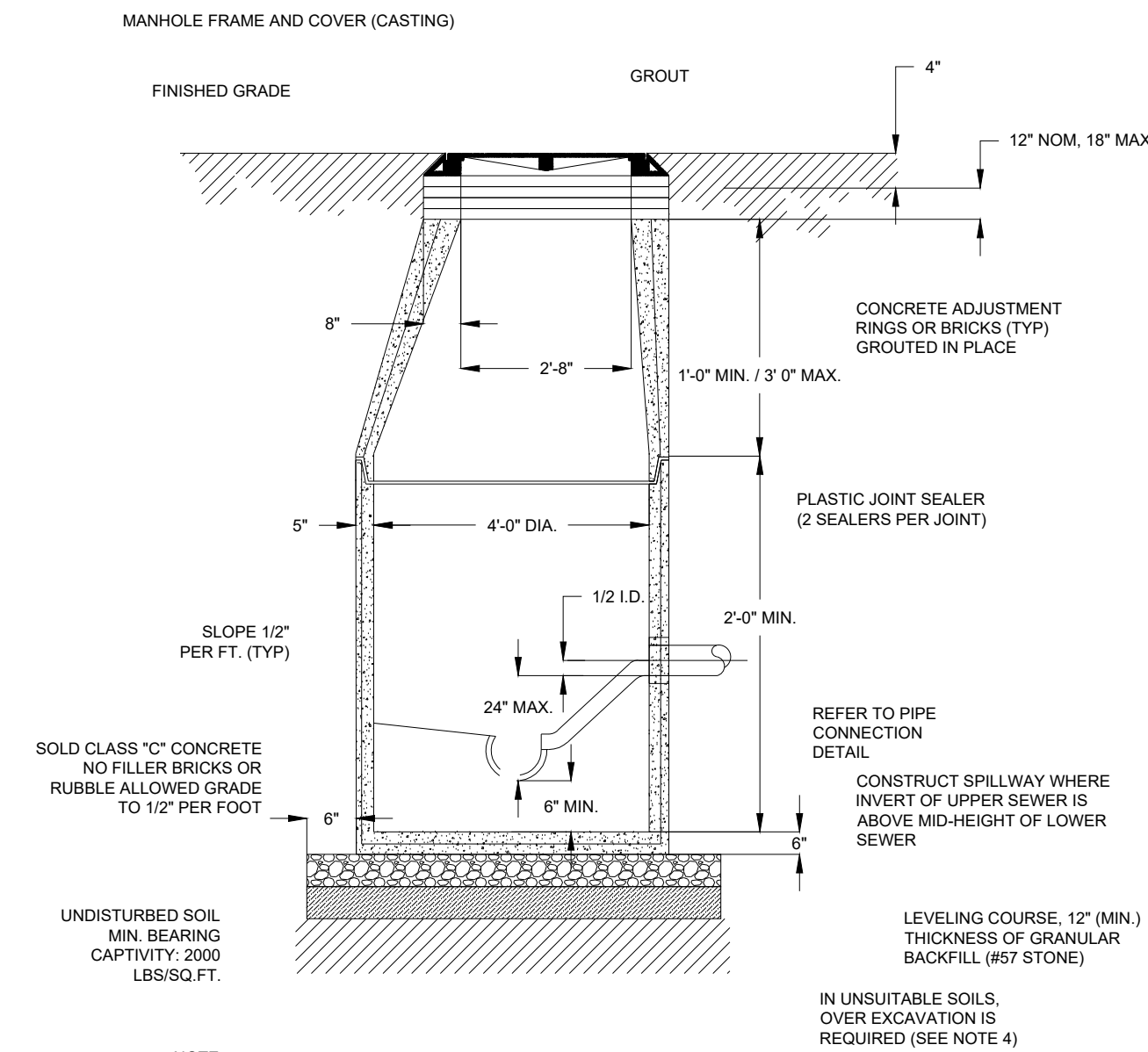
**RUBBER BOOT FOR PIPE  
CONNECTION AT MANHOLE**



**MANHOLE FRAME AND  
COVER (CASTING)**



**STANDARD MANHOLE  
SECTION VIEW**



- NOTE:**
1. PRECAST MANHOLE SECTIONS TO BE MANUFACTURED WITH THE LATEST EDITIONS OF A.S.T.M. C-478 WITH 4000 LBS. CONC. TYPE 33 CEMENT ALL LIFTING EYE HOLES AND OUTSIDE INSERTS SHALL BE FILLED WITH NON-SHRINK GROUT AND COATED WITH BITUMINOUS WATERPROOFING MATERIAL.
  2. PRECAST SECTIONS SHALL HAVE THE XYPEX ADMIXTURE ADDED PER THE MANUFACTURER'S RECOMMENDATIONS.
  3. ALL MANHOLE JOINTS BELOW THE TOP COVER SECTION SHALL INCLUDE A 6" WIDE (MIN) EXTERIOR JOINT TAPE (WITH PRIMER)
  4. IN SILTS, CLAY, OR HIGHLY ORGANIC SOILS, OVER-EXCAVATE AN ADDITIONAL 24" (AT A MIN.) AND BACKFILL WITH AASHTO CLASS A-3 SOIL (COMPACTED) TO 98% ASTM D1557 OR OVER-EXCAVATE AN ADDITIONAL 12" (AT A MIN.) AND BACKFILL WITH GRANULAR MATERIAL (#57 STONE).



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DETAILS

**D 1.0**

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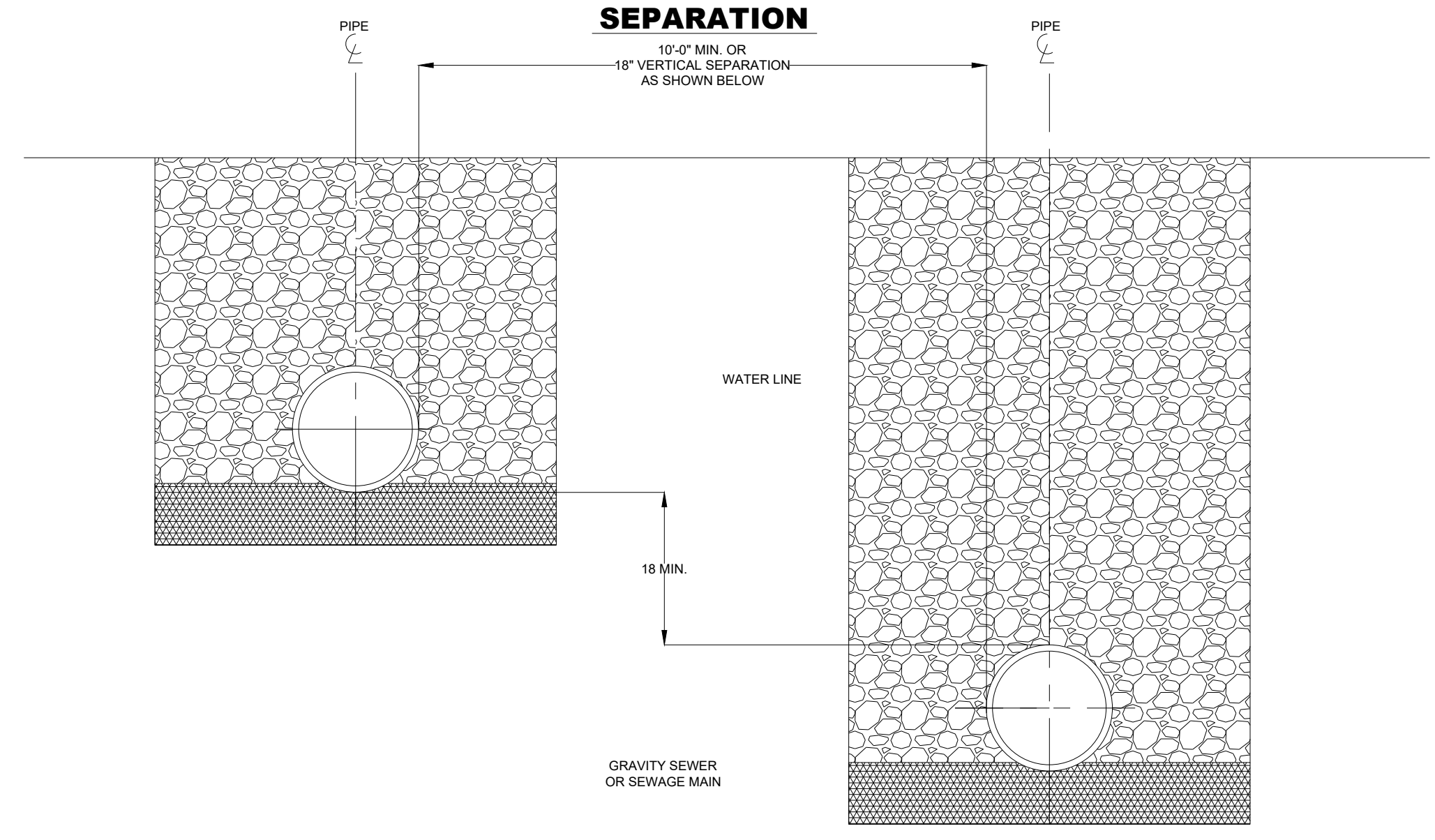
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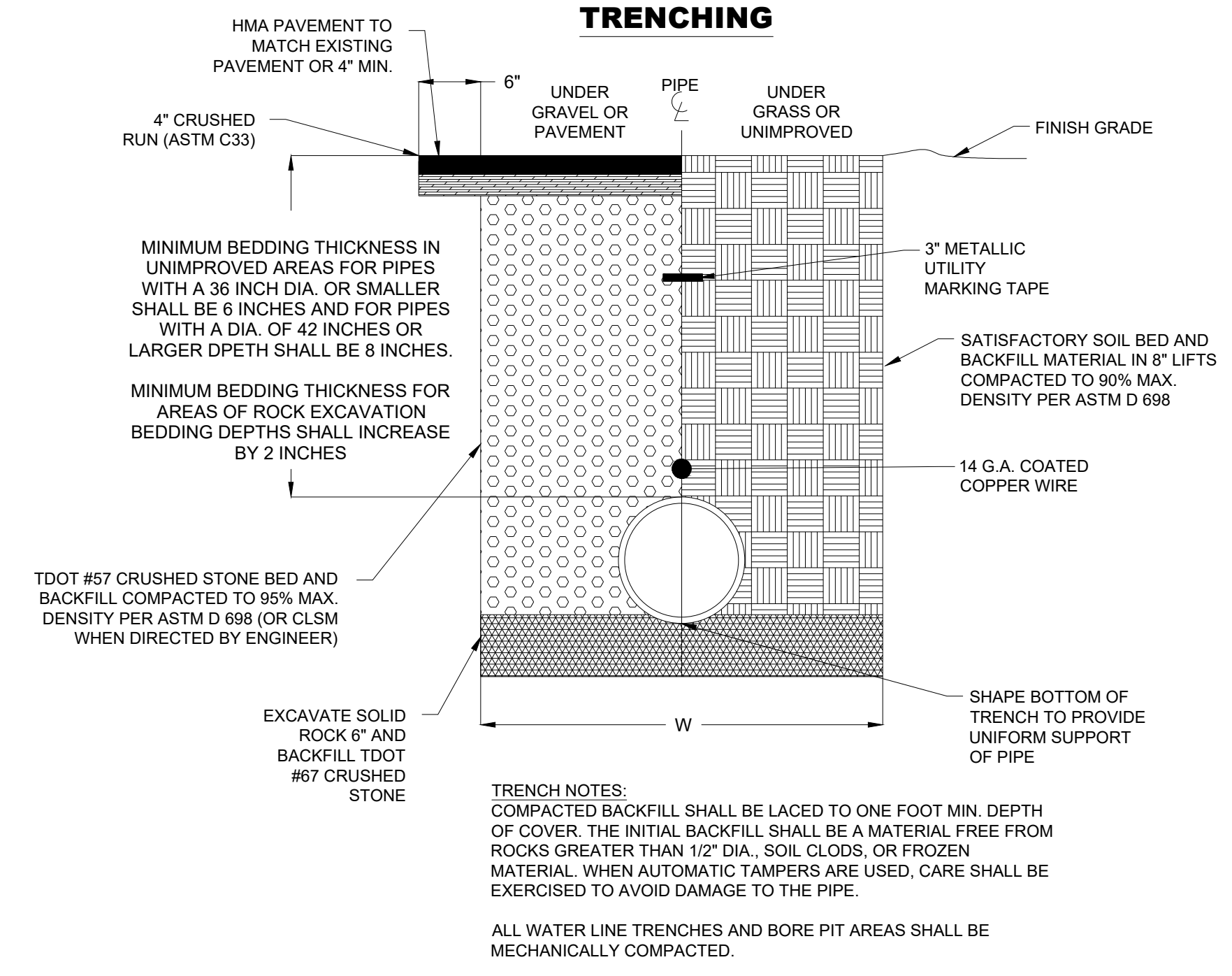
DETAILS

D 1.1

**UTILITY  
SEPARATION**



**TRENCHING**



PIPE NOMINAL DIAMETER	TRENCH WIDTH (W)	
	MIN.	MAX.
4"	4"	48"
6"	6"	48"
8"	8"	48"
10"	10"	48"
12"	12"	48"
16"	16"	48"
18"	18"	54"
24"	24"	60"
30"	30"	74"
36"	36"	80"
42"	42"	86"
48"	48"	92"
54"	54"	98"
60"	60"	104"
72"	72"	116"

W= TRENCH WIDTH AT BOTTOM  
OF PIPE. TRENCH SIDE SLOPES  
SHALL BE IN ACCORDANCE  
WITH OSHA REQUIREMENTS

**SILT FENCING**

