

June 19, 2024 1:21:01.303-Prof(08-Dwg)7210013.CCV.dwg

CITY OF KINGSTON

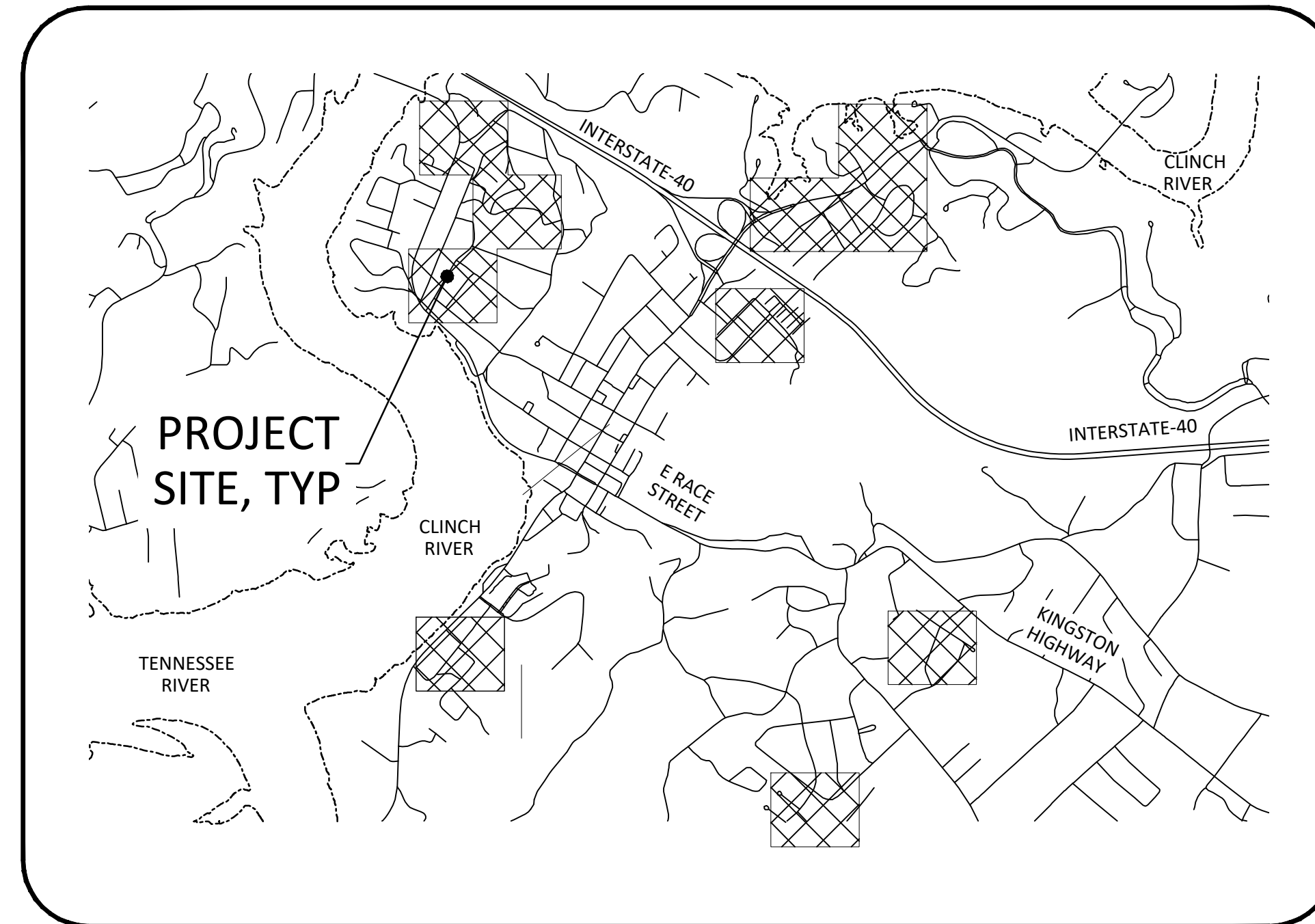
SEWER COLLECTION SYSTEM REHABILITATION

FUNDING PROVIDED BY: 2021 TDEC SWIG ARPA FUNDS



CITY OF KINGSTON
 900 WATERFORD PLACE
 KINGSTON, TN 37763

DAVID BOLLING
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 865.376.2325



LOCATION MAP

FOR:
CITY OF KINGSTON
 900 WATERFORD PLACE
 KINGSTON, TN 37763
 865.376.2325

DRAWING INDEX:

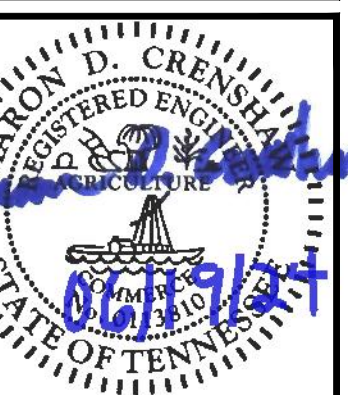
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NO.	DATE	REVISION	MVA BY
0	06/19/2024	ISSUED FOR CONSTRUCTION	

CITY OF KINGSTON
 SEWER COLLECTION SYSTEM REHABILITATION
 COVER SHEET



2160 Lakeside Centre Way, Suite 201
 Knoxville, TN 37922
 Phone: (865) 690-6419
 www.Ardurra.com

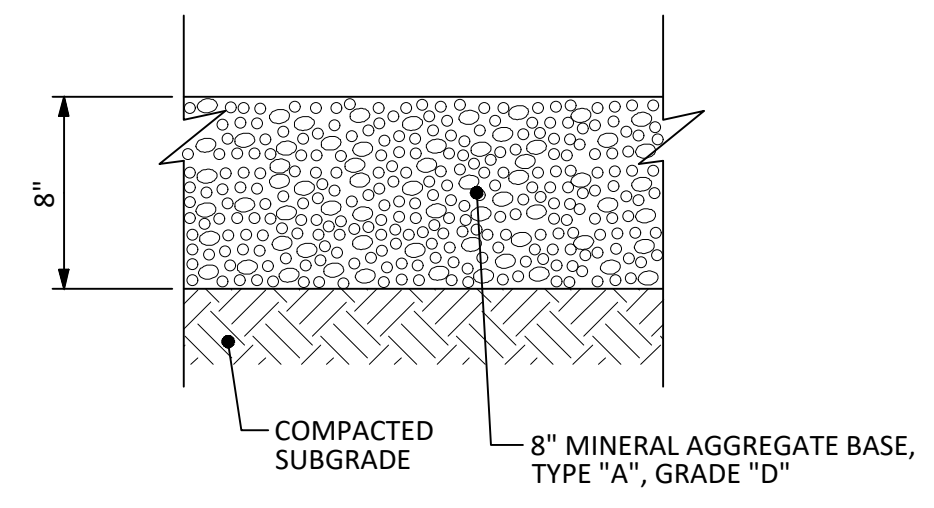


JOB NO: 721.001.3
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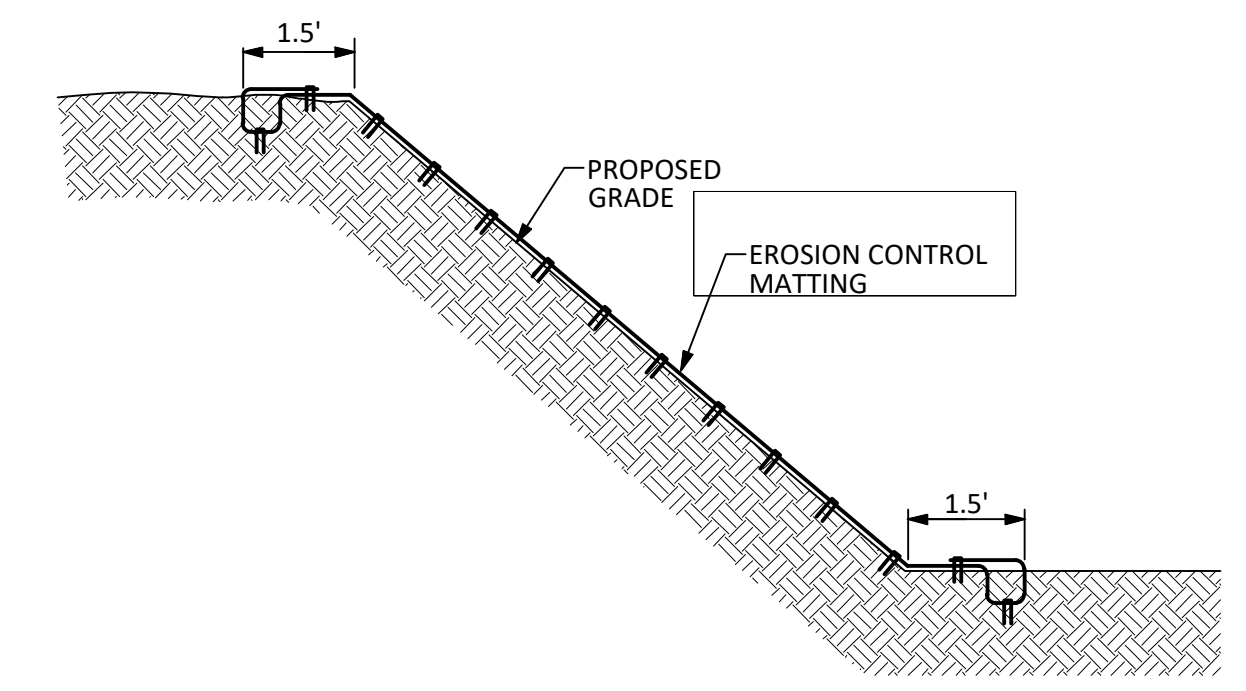
G1.01

TDEC SUBMITTAL

June 19, 2024 1:21:21 PM 3:03:30 Prof(08-Dwg)721.001.3.C-DT.dwg



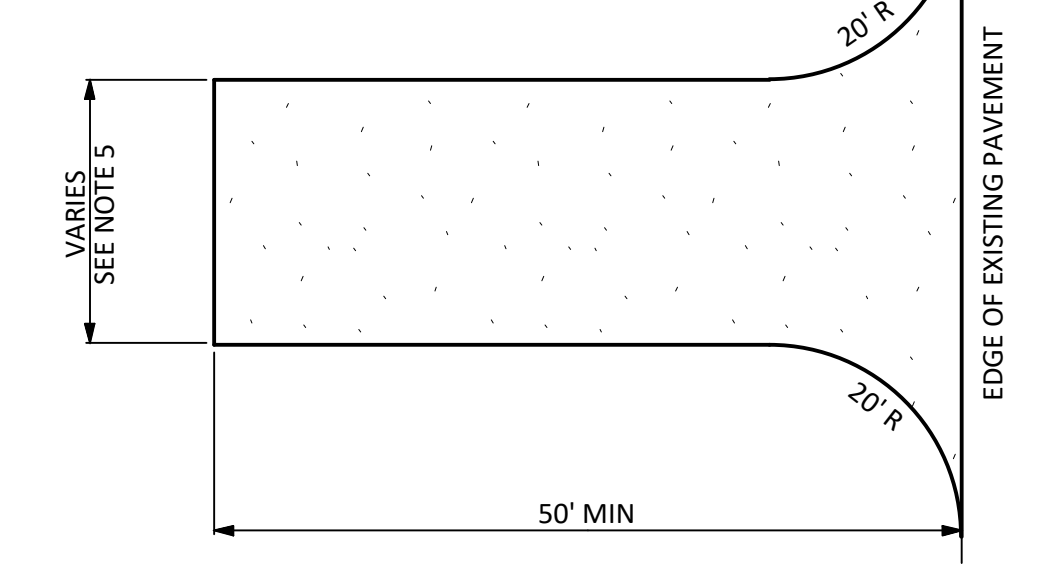
1 GRAVEL SECTION
G1.03 NTS



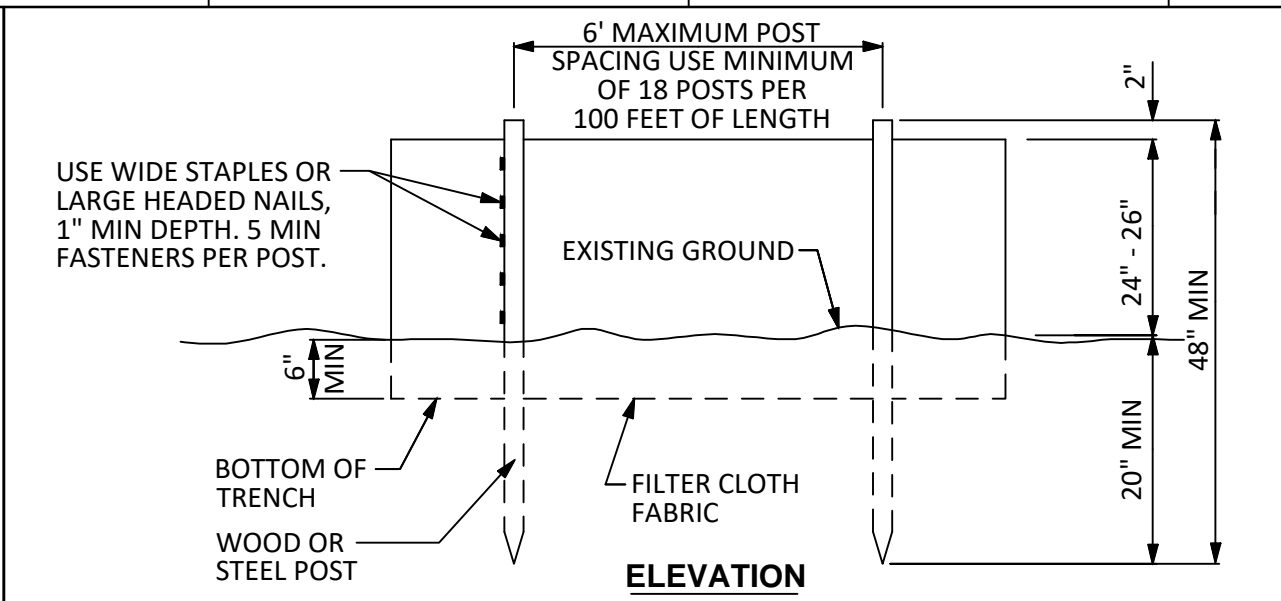
- NOTES:**
1. EROSION CONTROL MATTING FOR SLOPE PROTECTION SHALL BE WESTERN EXCELSIOR, EXCEL S-2 OR EQUAL.
 2. ENSURE SUBGRADE IS READY FOR PLACEMENT AND HAS COMPLETE SOIL CONTACT. DO NOT PLACE OVER WHEEL RUTS, GULLEYS, RILLS, ETC.
 3. INSTALL MATTING PER MANUFACTURER'S SPECIFICATIONS.

2 SLOPE PROTECTION
G1.03 NTS

- NOTES:**
1. THE PURPOSE OF THE STABILIZED CONSTRUCTION ENTRANCE IS TO AID THE CONTRACTOR IN ELIMINATING TRACKING OF MUD ONTO PUBLIC STREETS. THE DETAIL DOES NOT LIMIT THIS RESPONSIBILITY. OTHER METHODS OF SEDIMENT REMOVAL SHALL BE IMPLEMENTED IF THIS DOES NOT ADEQUATELY REMOVE THE MUD.
 2. CONSTRUCT THE PAD WITH A 6" (MIN) THICKNESS OF 2" TO 3" CRUSHED STONE. UNDERLAY STONE WITH PROPEX 315ST WOVEN GEOTEXTILE OR EQUAL. FABRIC TO MEET OR EXCEED AASHTO M288, CLASS 1 STANDARDS.
 3. ADD CRUSHED STONE TO THE PAD AS NECESSARY TO MAINTAIN THE PROPER FUNCTIONING OF THE PAD.
 4. LOCATION TO BE COORDINATED WITH THE OWNER.
 5. WIDTH SHALL BE 20 FEET FOR ONE-WAY TRAFFIC AND 30 FEET FOR TWO-WAY.
 6. REMOVE GRAVEL MATERIAL AND FILTER FABRIC AT COMPLETION OF CONSTRUCTION, OR AS PAVED SURFACES ARE FINISHED.

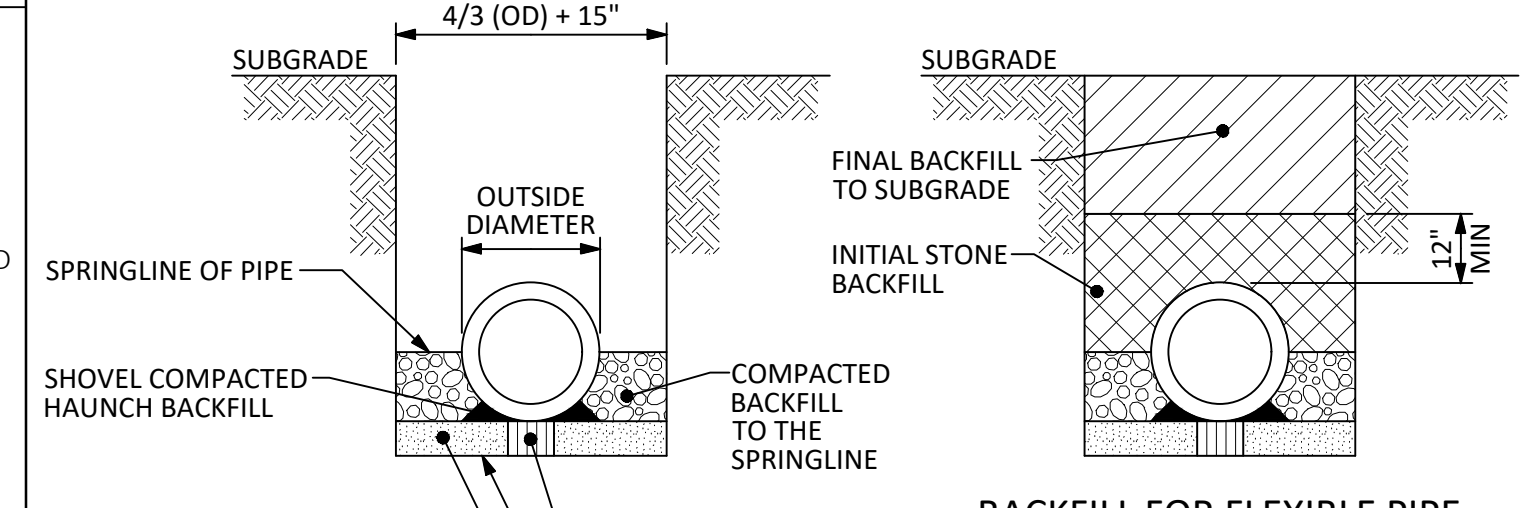


3 CONSTRUCTION ENTRANCE
G1.03 NTS

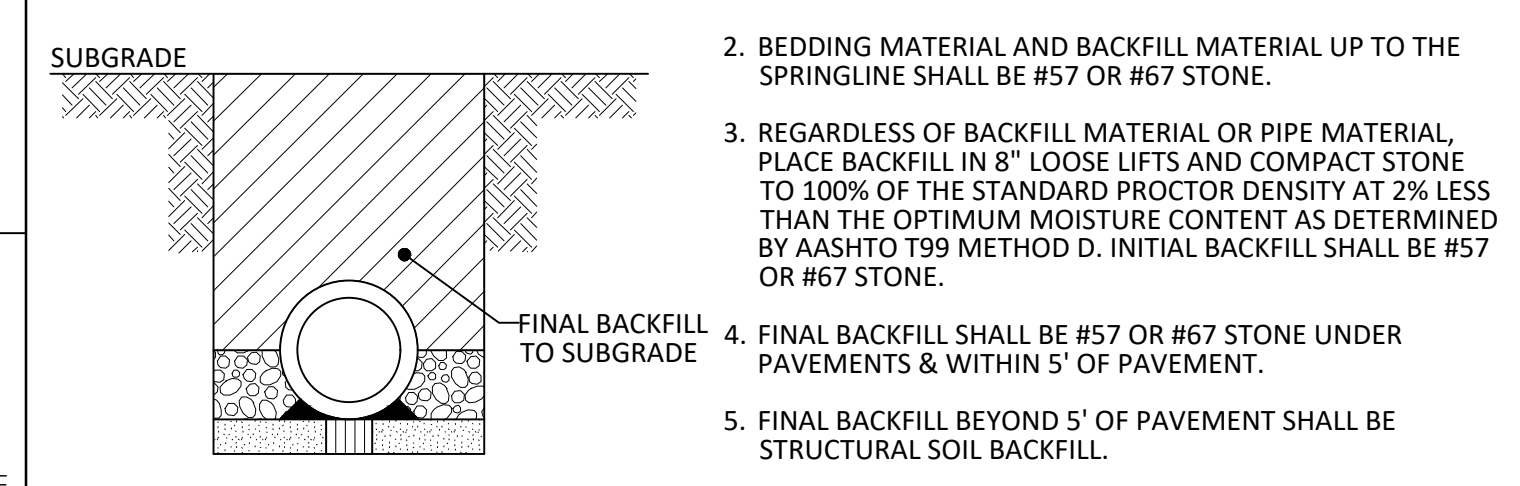


- NOTES:**
1. SILT FENCE SHALL BE PRE-ASSEMBLED AND INSTALLED IN ACCORDANCE WITH THE MANUFACTURER'S SPECIFICATIONS.
 2. SILT FENCE SHALL HAVE AN APPROVED BACKING OR A BUILT-IN REINFORCED STRUCTURE AS RECOMMENDED BY THE MANUFACTURER TO SUPPORT THE GEOTEXTILE FABRIC.
 3. ONCE PERMANENT VEGETATION IS ESTABLISHED, REMOVE THE SILT FENCE, BACKFILL TRENCH WITH TOPSOIL, AND APPLY SEED AND MULCH TO ALL DISTURBED AREAS. LEGALLY DISPOSE OF REMOVED FENCE OFF-SITE.
 4. PLACE SILT FENCE AT LEAST 5 TO 7 FEET AWAY FROM STEEP OR LONG SLOPES TO IMPOUND STORMWATER RUNOFF.
 5. POST SPACING SHALL BE 4 FEET MAXIMUM WITHIN A DRAINAGE CHANNEL.
 6. TURN LAST 7 TO 10 FEET OF SILT FENCE UPHILL.

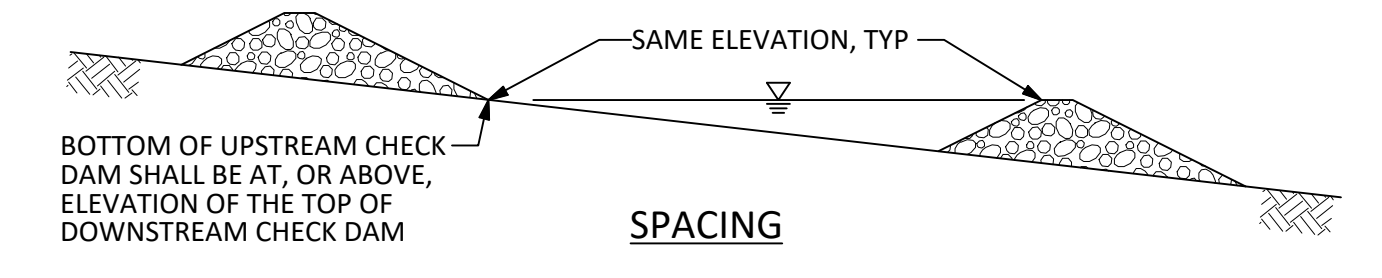
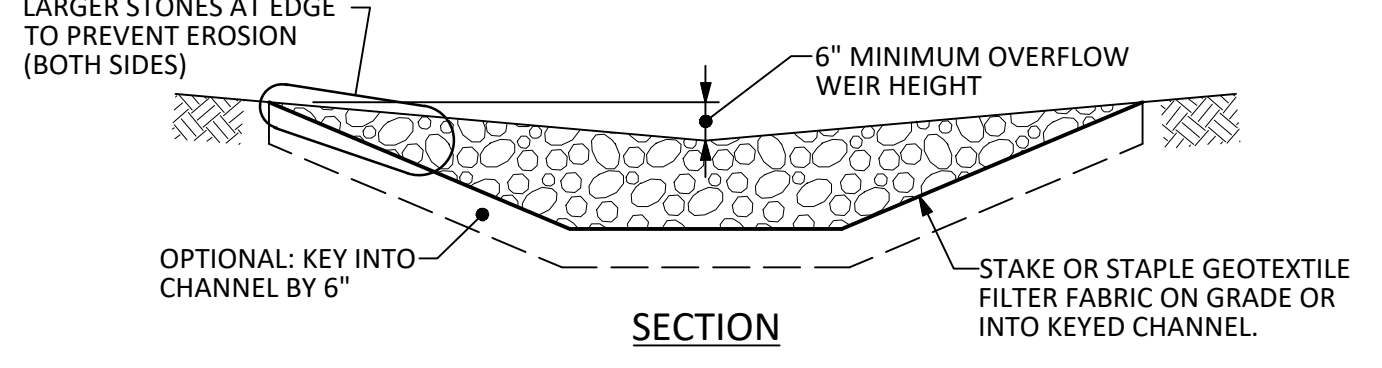
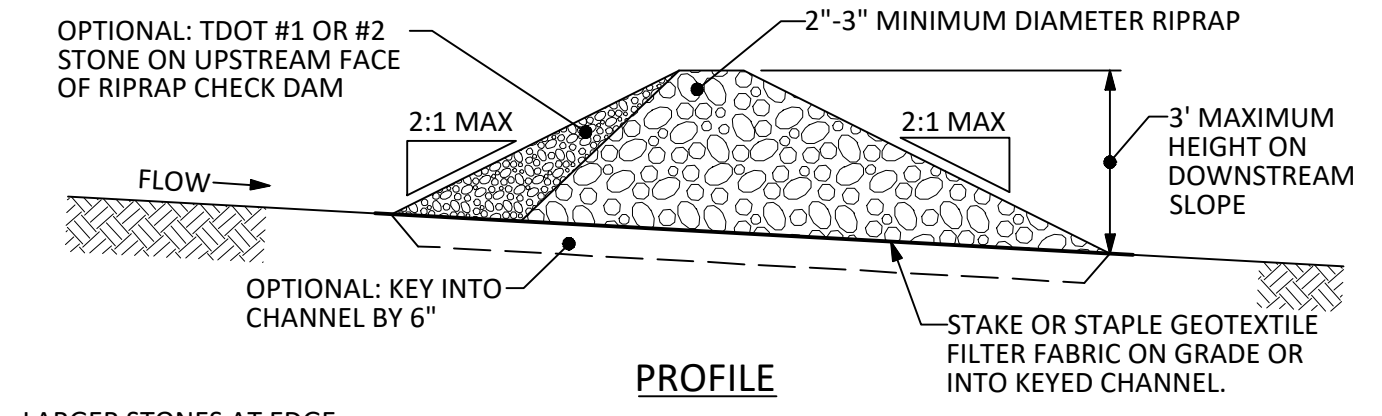
4 SILT FENCE
G1.03 NTS



- BACKFILL FOR FLEXIBLE PIPE**
- NOTES:**
1. TRENCH DESIGN AND SAFETY FOR PIPELINE CONSTRUCTION IS SOLELY THE RESPONSIBILITY OF THE CONTRACTOR AND SHALL CONFORM WITH ALL APPLICABLE LOCAL, STATE, AND OSHA REGULATIONS.
 2. BEDDING MATERIAL AND BACKFILL MATERIAL UP TO THE SPRINGLINE SHALL BE #57 OR #67 STONE.
 3. REGARDLESS OF BACKFILL MATERIAL OR PIPE MATERIAL, PLACE BACKFILL IN 8" LOOSE LIFTS AND COMPACT STONE TO 100% OF THE STANDARD PROCTOR DENSITY AT 2% LESS THAN THE OPTIMUM MOISTURE CONTENT AS DETERMINED BY AASHTO T99 METHOD D. INITIAL BACKFILL SHALL BE #57 OR #67 STONE.
 4. FINAL BACKFILL SHALL BE #57 OR #67 STONE UNDER PAVEMENTS & WITHIN 5' OF PAVEMENT.
 5. FINAL BACKFILL BEYOND 5' OF PAVEMENT SHALL BE STRUCTURAL SOIL BACKFILL.

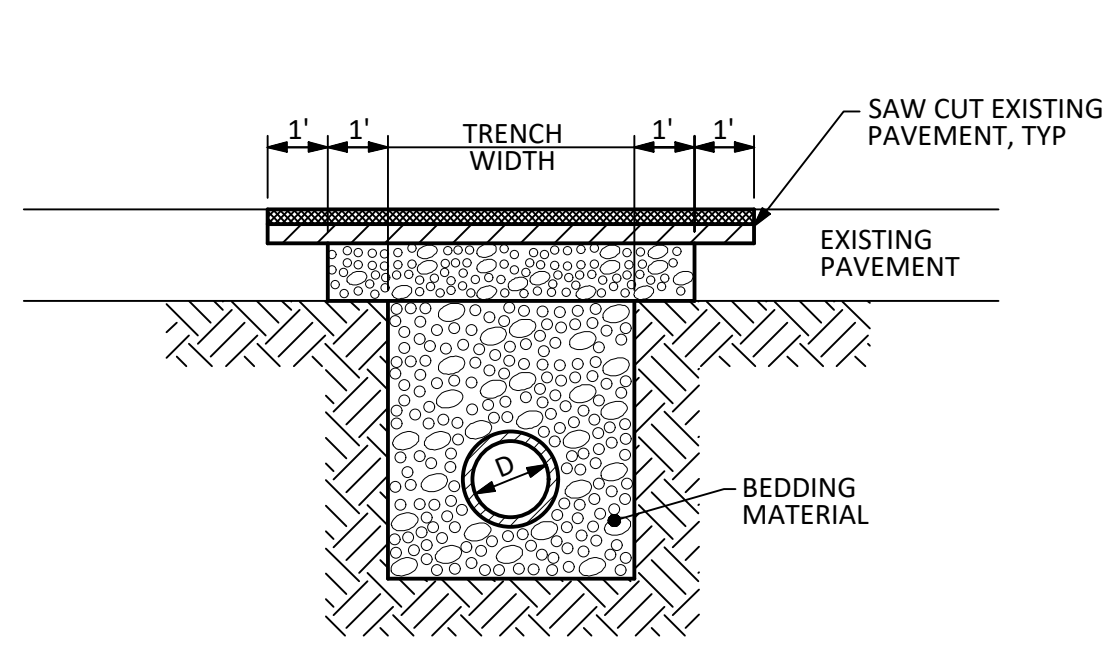


5 PIPE BEDDING AND BACKFILL
G1.03 NTS



- NOTES:**
1. GEOTEXTILE SEPARATION FABRIC SHALL BE GEOTEX 801 (8 OUNCE NON-WOVEN) BY PROPEX OR EQUAL.
 2. CONSTRUCT, MAINTAIN, AND REMOVE IN ACCORDANCE WITH THE TENNESSEE EROSION & SEDIMENT CONTROL HANDBOOK.

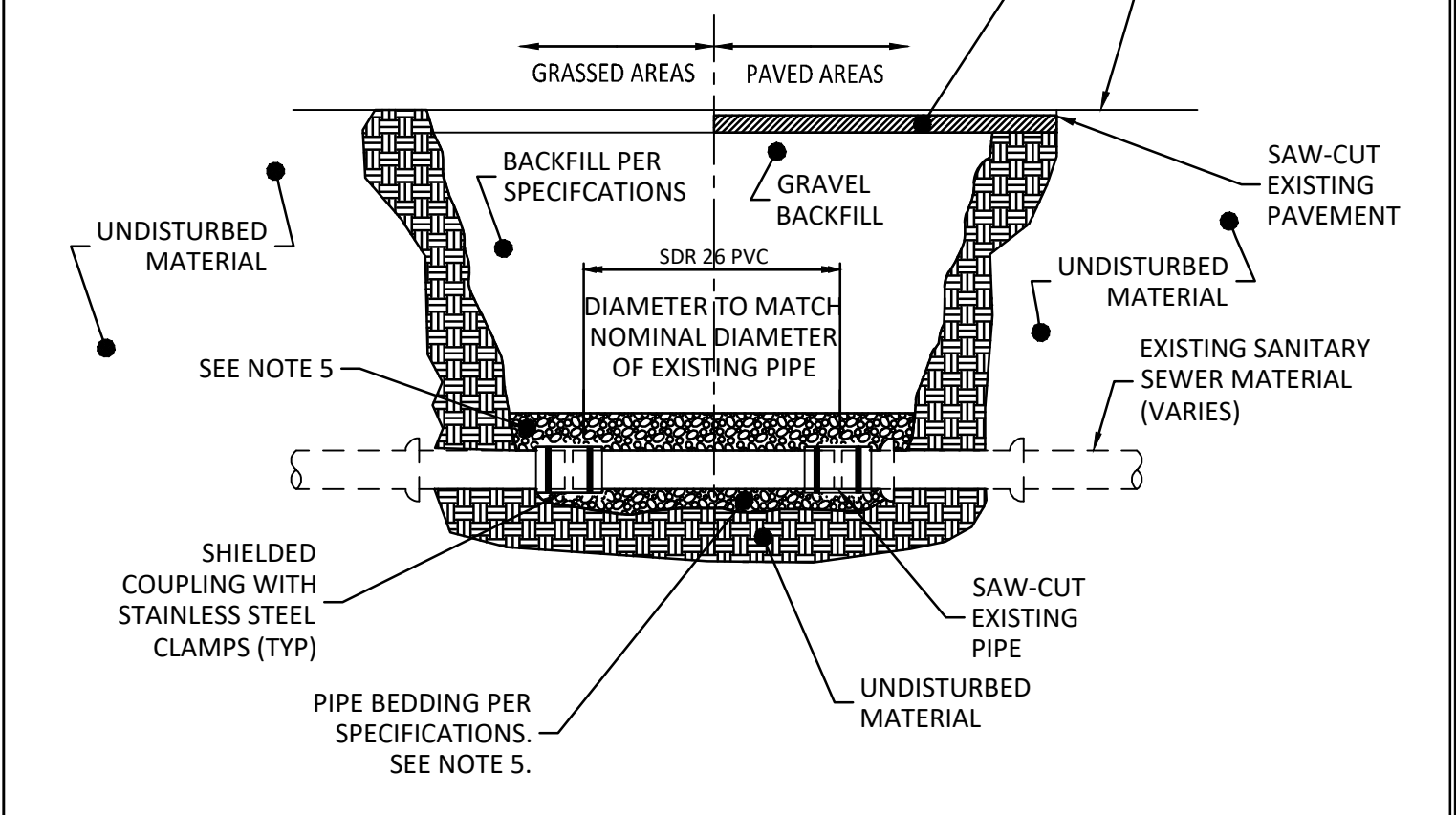
6 TEMPORARY ROCK CHECK DAM
G1.03 NTS



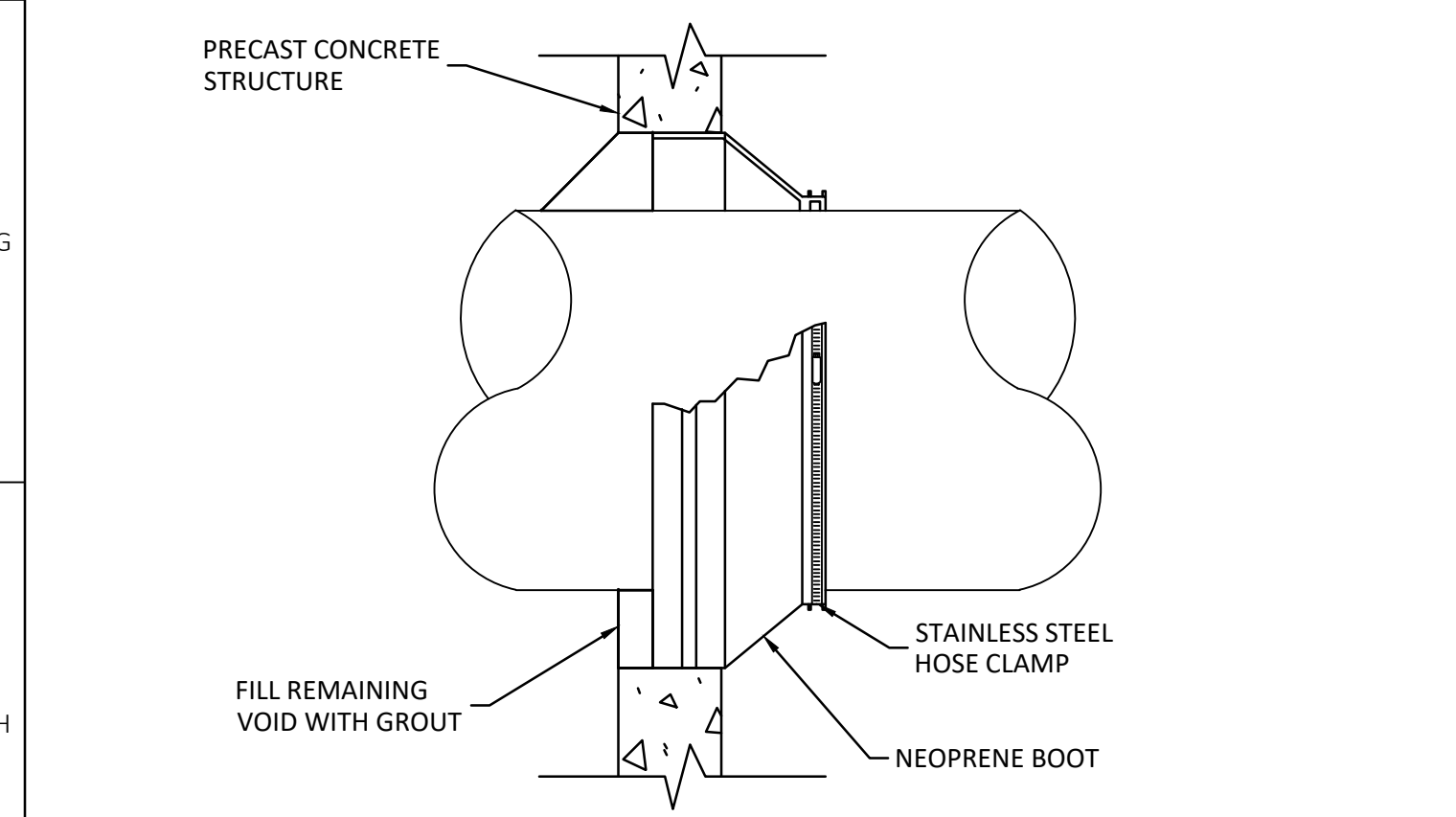
- NOTES:**
1. REFERENCE ASPHALT PAVEMENT SECTION DETAIL FOR THICKNESS OF PAVEMENT TO BE REPLACED.
 2. WHEN A TEMPORARY ASPHALT PATCH IS USED, IT SHALL BE PLACED IMMEDIATELY AFTER CRUSHED STONE BACKFILL. ALL TEMPORARY REPAIRS MUST BE PLACED PERMANENTLY WITHIN 90 DAYS.
 3. WHEN INFRARED EQUIPMENT IS USED, PAVEMENT MAY BE CUT AT THE EDGE OF TRENCH.

7 PAVEMENT REPAIR
G1.03 NTS

- NOTES:**
1. REPLACEMENT OF PIPE TO BE IN ONE PIECE.
 2. PAVEMENT RESTORATION SHALL BE PER SPECIFICATIONS.
 3. INVERTS OF NEW PIPE TO MATCH EXISTING (TYP)
 4. SHIELDED COUPLING TO BE FERNCO STRONG BACK OR APPROVED EQUAL.
 5. USE STONE BACKFILL IF MAINLINE WILL BE PIPE BURST AFTER POINT REPAIR. USE FLOWABLE FILL IF LINE WILL REMAIN AS IS AFTER POINT REPAIR. USE FLOWABLE FILL IF LINE WILL BE CIPP AFTER POINT REPAIR.



8 POINT REPAIR
G1.03 NTS



- NOTES:**
1. FOR PIPE SIZES 1"-15" NEOPRENE BOOT SHALL BE KOR-N-SEAL I, OR APPROVED EQUAL.

9 NEOPRENE BOOT DETAIL
G1.03 NTS



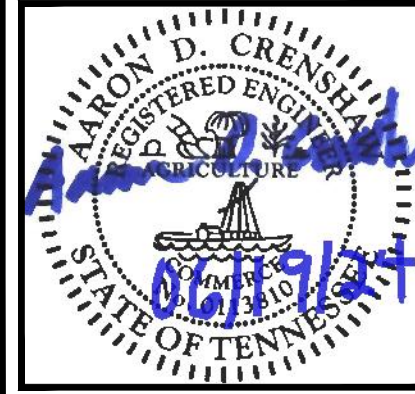
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CITY OF KINGSTON
SEWER COLLECTION SYSTEM REHABILITATION

CIVIL DETAILS



JOB NO: 721.001.3
DATE: 06/19/2024

G1.02

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June 19, 2024 11:21:01.001.303-Profit(08-Dwg)721.001.3 C1.01.dwg



OVERALL MAP
NOT TO SCALE

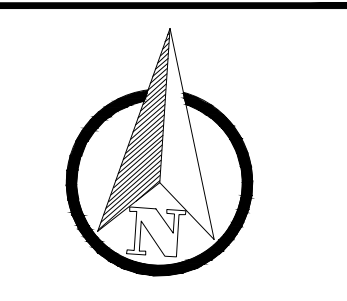
GENERAL NOTES:

1. CONSTRUCTION OF THE SANITARY SEWER SHALL CONFORM TO THE SPECIFICATIONS AND INFORMATION CONTAINED HEREIN AND WITHIN THE CITY OF KINGSTON STANDARD SEWER SPECIFICATIONS
2. ALL WORK SHALL BE PERFORMED BY A TENNESSEE LICENSED UTILITY CONTRACTOR WITH "MU" CLASSIFICATION.
3. THE CONTRACTOR SHALL HAVE A TDEC APPROVED SET OF PLANS AND SPECIFICATIONS ON THE JOB SITE AT ALL TIMES.
4. UTILITY LATERALS INCLUDE BURIED WATER, SEWER, GAS, ELECTRIC, TELEVISION AND TELEPHONE SERVICES, STREET LIGHTING AND TRAFFIC DETECTOR LOOPS. THE CONTRACTOR SHALL LOCATE AND PROTECT ALL SUCH FACILITIES. THE CONTRACTOR IS RESPONSIBLE FOR REPAIRING ALL SUCH FACILITIES THAT ARE DAMAGED DURING CONSTRUCTION. PAYMENT FOR LOCATING, PROTECTING, COORDINATING AND REPAIRING EXISTING FACILITIES WILL BE INCLUDED IN OTHER ITEMS OF WORK AND NO ADDITIONAL COMPENSATION WILL BE MADE. ALL REPAIRS SHALL BE DONE IN ACCORDANCE WITH STANDARDS AND REQUIREMENTS OF THE UTILITIES OWNER. UTILITY SUPPORT METHODS WILL BE SUBMITTED PRIOR TO CONSTRUCTION FOR APPROVAL.
5. THE CONTRACTOR SHALL PROVIDE AND MAINTAIN SUITABLE SIGNAGE, BARRICADES, AND LIGHTS FOR PROTECTION OF TRAFFIC IN ACCORDANCE WITH MUTCD. ANY EXISTING ROAD SIGN REMOVED FOR CONSTRUCTION SHALL BE REPLACED BY THE END OF THE WORKING DAY. TEMPORARY STOP SIGNS SHALL BE ERCTED PRIOR TO REMOVAL OF PERMANENT STOP SIGNS.
6. THE CONTRACTOR SHALL NOT CLOSE OR BLOCK ANY HIGHWAY, STREET, OR ROADWAY WITHOUT FIRST OBTAINING AN APPROVED TRAFFIC CONTROL PLAN FROM THE CITY OF KINGSTON, ROANE COUNTY, AND/OR TDOT.
7. THE CONTRACTOR SHALL PROVIDE ACCESS TO UTILITY COMPANIES FOR MAINTENANCE AND WORK ON THEIR UTILITIES DURING THE COURSE OF WORK.
8. SURVEY MONUMENTS DISTURBED BY THE CONTRACTOR SHALL BE RESET AS DIRECTED BY CITY OF KINGSTON. PRIOR TO DISTURBANCE, CONTACT CITY OF KINGSTON TO TIE OUT MONUMENT.
9. THE CONTRACTOR SHALL VERIFY WORK IN THE FIELD AND SHALL SATISFY HIMSELF AS TO THE ACCURACY BETWEEN WORK SET FORTH ON THESE PLANS AND THE WORK REQUIRED IN THE FIELD. ANY DISCREPANCIES SHALL BE BROUGHT TO THE ATTENTION OF CITY OF KINGSTON PRIOR TO START OF CONSTRUCTION.
10. THE EXISTING UTILITIES SHOWN AND INDICATED ON THE DRAWINGS ARE FOR GENERAL INFORMATION ONLY. THE CONTRACTOR SHALL BE RESPONSIBLE FOR VERIFICATION OF EXISTING UNDERGROUND UTILITIES. ALL COSTS ASSOCIATED WITH POTHOLES WILL BE INCLUDED IN OTHER ITEMS OF WORK AND NO ADDITIONAL COMPENSATION WILL BE MADE. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ANY DAMAGE OR DISRUPTION OF UTILITY SERVICES DURING CONSTRUCTION. THE CONTRACTOR SHALL VERIFY LOCATIONS AND DEPTHS OF ALL EXISTING UTILITIES IN THE PROJECT AREA PRIOR TO BEGINNING CONSTRUCTION.
11. THE CONTRACTOR SHALL PROVIDE SUPPORT OF EXISTING UTILITIES EXPOSED DURING EXCAVATION TO MAINTAIN SERVICE AND INTEGRITY OF UTILITY.
12. THE CONTRACTOR SHALL CONTACT THE TENNESSEE ONE-CALL CENTER AT 1-800-351-1111 PRIOR TO ANY EXCAVATION.
13. THE CONTRACTOR SHALL NEATLY SAW CUT ALL ROADWAYS AND DRIVEWAYS PRIOR TO INSTALLING A PERMANENT PAVEMENT REPAIR.
14. THE CONTRACTOR SHALL MAINTAIN ACCESS TO ALL PROPERTIES DURING CONSTRUCTION.
15. INDICATED SCALES ARE BASED ON FULL SIZE DRAWINGS, AND IF DRAWINGS ARE REDUCED, SCALES MUST BE ADJUSTED ACCORDINGLY.
16. THE CONTRACTOR SHALL NOTIFY CITY OF KINGSTON 72 HOURS PRIOR TO CONSTRUCTION.
17. LOCATION OF EXISTING RIGHTS-OF-WAY (ROW) ARE APPROXIMATE.
18. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ANY DAMAGE TO THE PROJECT SITE RESULTING FROM THE CONTRACTOR'S CONSTRUCTION ACTIVITIES.
19. TREES THAT HAVE BEEN DAMAGED OR REMOVED, ASPHALT, AND OTHER CONSTRUCTION DEBRIS SHALL BE REMOVED OFFSITE BY CONTRACTOR.
20. THE CONTRACTOR SHALL ENSURE POSITIVE DRAINAGE TO AND THROUGH EXISTING DRAINAGE FACILITIES FROM ALL NEWLY PATCHED DEPRESSIONS.
21. THE CONTRACTOR SHALL BE SOLELY AND COMPLETELY RESPONSIBLE FOR WORKING CONDITIONS ON THE JOB SITE, INCLUDING SAFETY OF ALL PERSONS AND PROPERTY DURING PERFORMANCE OF WORK. THIS REQUIREMENT SHALL APPLY CONTINUOUSLY AND NOT BE LIMITED TO NORMAL WORKING HOURS.
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 EXCAVATED AREA CAN BE PROPERLY BACKFILLED AND COMPACTED TO PREVENT 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 ROCKWOOD ELECTRIC UTILITY (REU) NOT LESS THAN SEVEN (7) CALENDAR DAYS PRIOR TO EXCAVATION WITHIN TWENTY (20) FEET OF ANY POLE AND SHALL PROVIDE INFORMATION TO REU 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.
23. CONTRACTOR TO COORDINATE DISRUPTION/REMOVAL OF ANY LANDSCAPING, SPRINKLER SYSTEMS, FENCES, ORNAMENTALS, ETC. WITH THE PROPERTY OWNER AND REPLACE TO MATCH OR IMPROVE EXISTING CONDITIONS.
24. CONTRACTOR SHALL DETERMINE "LIVE OR ABANDONED" STATUS OF ALL EXISTING SERVICES CONNECTED TO MAIN LINE SEGMENTS AS DESIGNATED FOR REPLACEMENT PRIOR TO RE-CONNECTION. ABANDONED SERVICES SHALL NOT BE RE-CONNECTED TO THE NEW LINE UNLESS DIRECTED BY THE OWNER'S REPRESENTATIVE.
25. EXISTING PIPE SIZES, MATERIALS, MANHOLE DEPTHS, AND LATERAL LOCATIONS TAKEN FROM CITY OF KINGSTON DRAWINGS AND FIELD INFORMATION, AND SHALL BE FIELD VERIFIED BY THE CONTRACTOR.
26. CONTRACTOR TO FIELD VERIFY MANHOLE ANGLES, PIPE MATERIALS AND SIZES, AND INVERT ELEVATIONS PRIOR TO ORDERING MATERIALS.
27. ADJUST FINAL MANHOLE GRADES FLUSH WITH THE GROUND OR ROADWAY UNLESS NOTED OTHERWISE.
28. LOCATIONS FOR POINT REPAIRS AS SHOWN ON THE PLANS HAVE BEEN TAKEN FROM CCTV INFORMATION AND REPORTS PROVIDED BY OTHERS. IT IS THE CONTRACTOR'S RESPONSIBILITY TO FIELD VERIFY (BY CCTV OR OTHER MEANS AS NECESSARY) AND CONFIRM THE LOCATION AND NEED FOR PROPOSED POINT REPAIRS AND DEFECTS PRIOR TO EXCAVATION.

MANHOLE REHABILITATION		
MANHOLE NUMBER	DEPTH (FT)	PROPOSED WORK
4	8'-6"	REHAB (CEMENT.)
4A	4'-0"	REHAB (CEMENT.)
2	10'-8"	REHAB (CEMENT.)
424	5'-2"	REHAB (CEMENT.)
427	6'-2"	REHAB (CEMENT.)
427A	5'-0"	REHAB (CEMENT.)
428	5'-2"	REHAB (CEMENT.)

MANHOLE REHABILITATION		
MANHOLE NUMBER	DEPTH (FT)	PROPOSED WORK
429	6'-11"	REHAB (CEMENT.)
460	10'-11"	REHAB (CEMENT.)
633C	5'-0"	REHAB (CEMENT.)
1061	6'-5"	REHAB (POLYMER)
748	6'-2"	REHAB (POLYMER)
764	8'-3"	REHAB (POLYMER)
560	8'-0"	REHAB (POLYMER)

SEE SHEET C2.12 FOR MANHOLE LOCATIONS



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CITY OF KINGSTON
SEWER COLLECTION SYSTEM REHABILITATION
OVERALL MAP AND GENERAL NOTES



JOB NO: 721.001.3
DATE: 06/19/2024

C1.01

TDEC SUBMITTAL

June 19, 2024 1:721.001.303-Proj(08-Dwg)1721013C-SS.dwg



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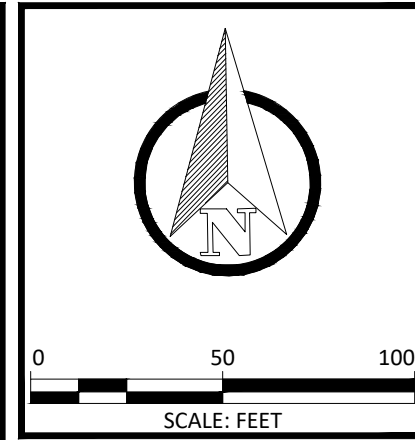
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C2.02	C2.05	C2.06
C2.03	C2.07	
C2.08	C2.09	
	C2.10	

LEGEND

	MATCH LINE
	RIGHT-OF-WAY/PROPERTY
	CREEK/DITCH
	EXISTING SANITARY SEWER
	EXISTING FORCE MAIN
	EXISTING MANHOLE
	REHABILITATE MANHOLE
	POINT REPAIR
	REHABILITATE SANITARY SEWER BY CURED-IN-PLACE PIPE METHOD
	REPLACE SANITARY SEWER
	HEAVY CLEAN/CCTV
	SERVICE CONNECTION
	CLOSED CIRCUIT TELEVISION
	POINT REPAIR
	CURED-IN-PLACE PIPE

MANHOLE REHABILITATION

MANHOLE NUMBER	DEPTH (FT)	PROPOSED WORK
131	9'-6"	REHAB (CEMENT.)

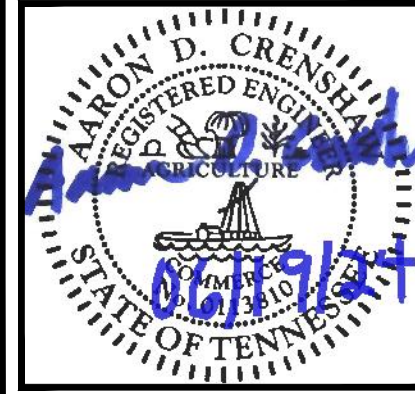


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CITY OF KINGSTON
SEWER COLLECTION SYSTEM REHABILITATION
SEWER REHABILITATION PLAN



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MATCH LINE - SHEET C2.01

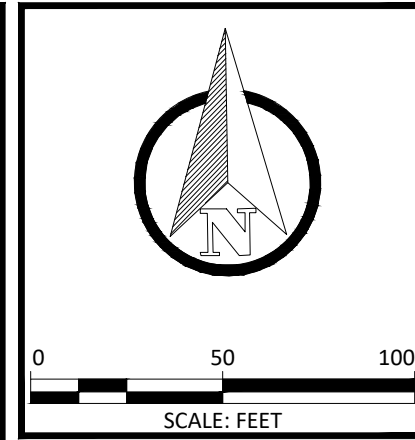
MATCH LINE - SHEET C2.03

DRAWING SHEET KEY

C2.01	C2.04	C2.11
C2.02	C2.05/C2.06	
C2.03	C2.07	
C2.08	C2.09	
	C2.10	

LEGEND

	MATCH LINE
	RIGHT-OF-WAY/PROPERTY
	CREEK/DITCH
	EXISTING SANITARY SEWER
	EXISTING FORCE MAIN
	EXISTING MANHOLE
	REHABILITATE MANHOLE
	POINT REPAIR
	REHABILITATE SANITARY SEWER BY CURED-IN-PLACE PIPE METHOD
	REPLACE SANITARY SEWER
	HEAVY CLEAN/CCTV
	SERVICE CONNECTION
	CCTV
	POINT REPAIR
	CIPP

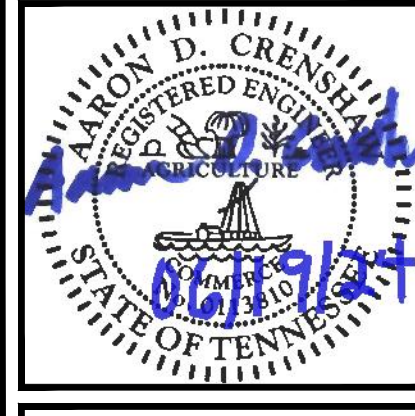


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CITY OF KINGSTON
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SEWER REHABILITATION PLAN



JOB NO: 721.001.3
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C2.02

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June 19, 2024 1:721.001.3003-Prof(08-Dwg)17210013C-SS.dwg



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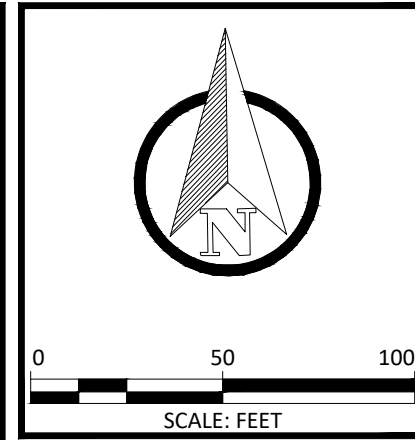
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C2.08	C2.09	
	C2.10	

LEGEND

	MATCH LINE
	RIGHT-OF-WAY/PROPERTY
	CREEK/DITCH
	EXISTING SANITARY SEWER
	EXISTING FORCE MAIN
	EXISTING MANHOLE
	REHABILITATE MANHOLE
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	REHABILITATE SANITARY SEWER BY CURED-IN-PLACE PIPE METHOD
	REPLACE SANITARY SEWER
	HEAVY CLEAN/CCTV
	SERVICE CONNECTION
	CLOSED CIRCUIT TELEVISION
	POINT REPAIR
	CURED-IN-PLACE PIPE

MANHOLE REHABILITATION

MANHOLE NUMBER	DEPTH (FT)	PROPOSED WORK
22	9'-0"	REHAB (CEMENT.)

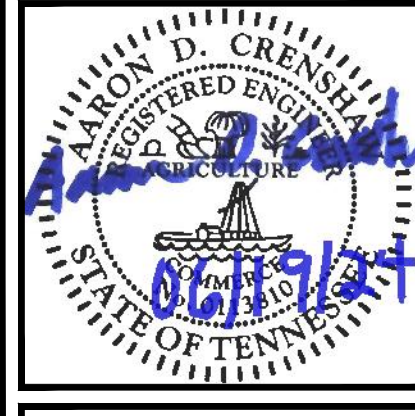


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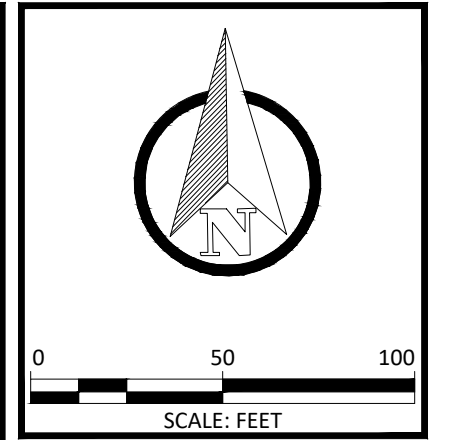
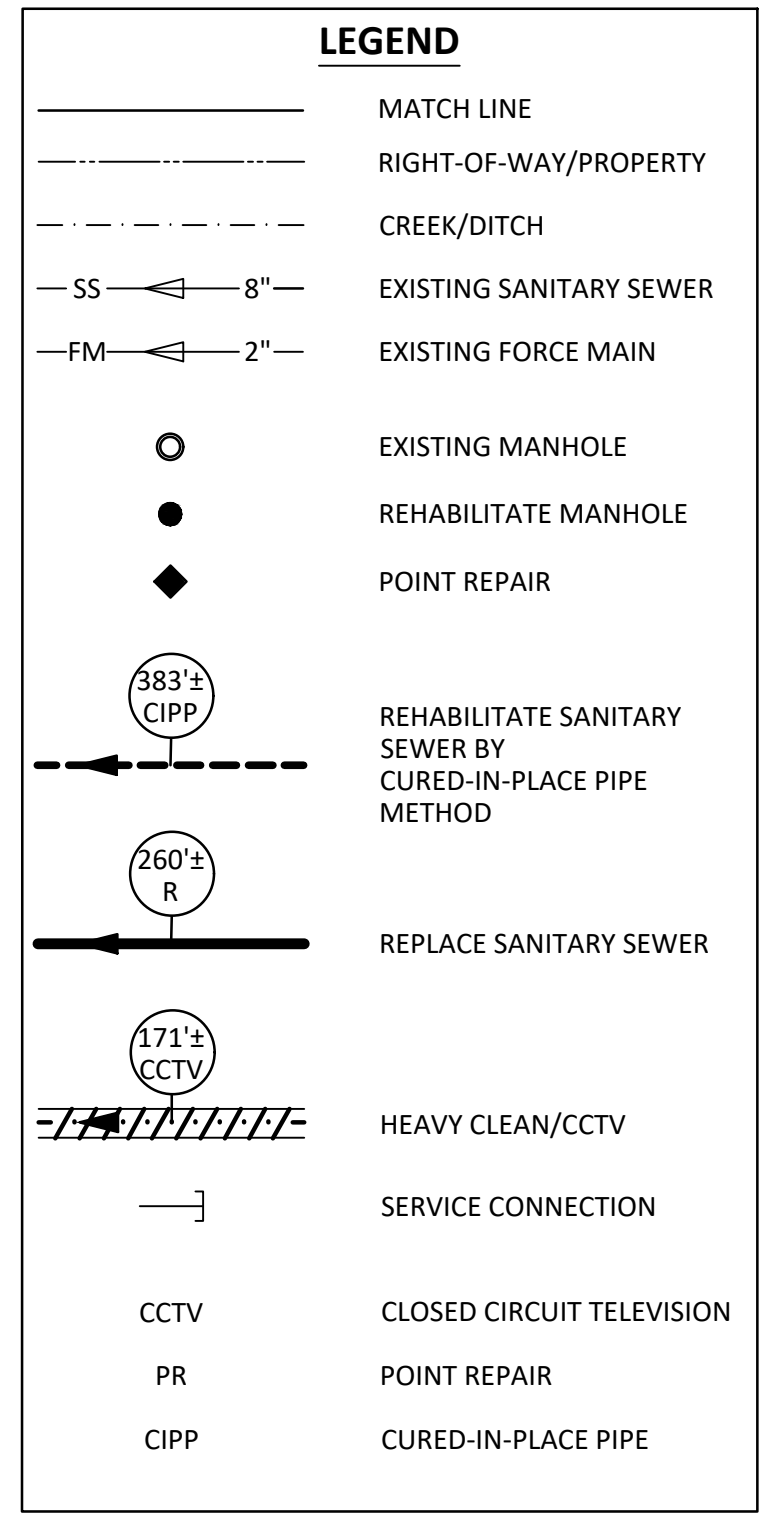
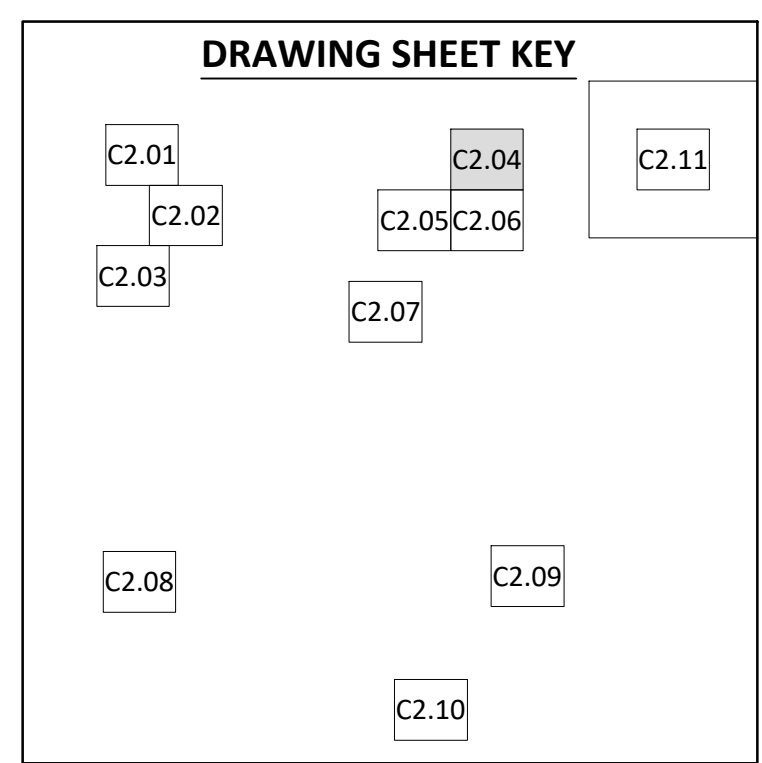
CITY OF KINGSTON
SEWER COLLECTION SYSTEM REHABILITATION
SEWER REHABILITATION PLAN



JOB NO: 721.001.3
 DATE: 06/19/2024

C2.03
 TDEC SUBMITTAL

June 19, 2024 1:7211721.001_3103-Prop(08-Dwg)17210013C-SS.dwg



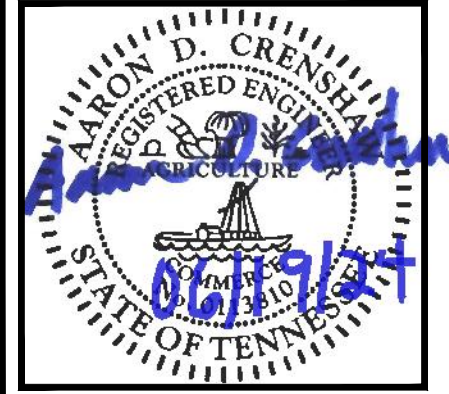
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0	06/19/2024	ISSUED FOR CONSTRUCTION		

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SEWER REHABILITATION PLAN

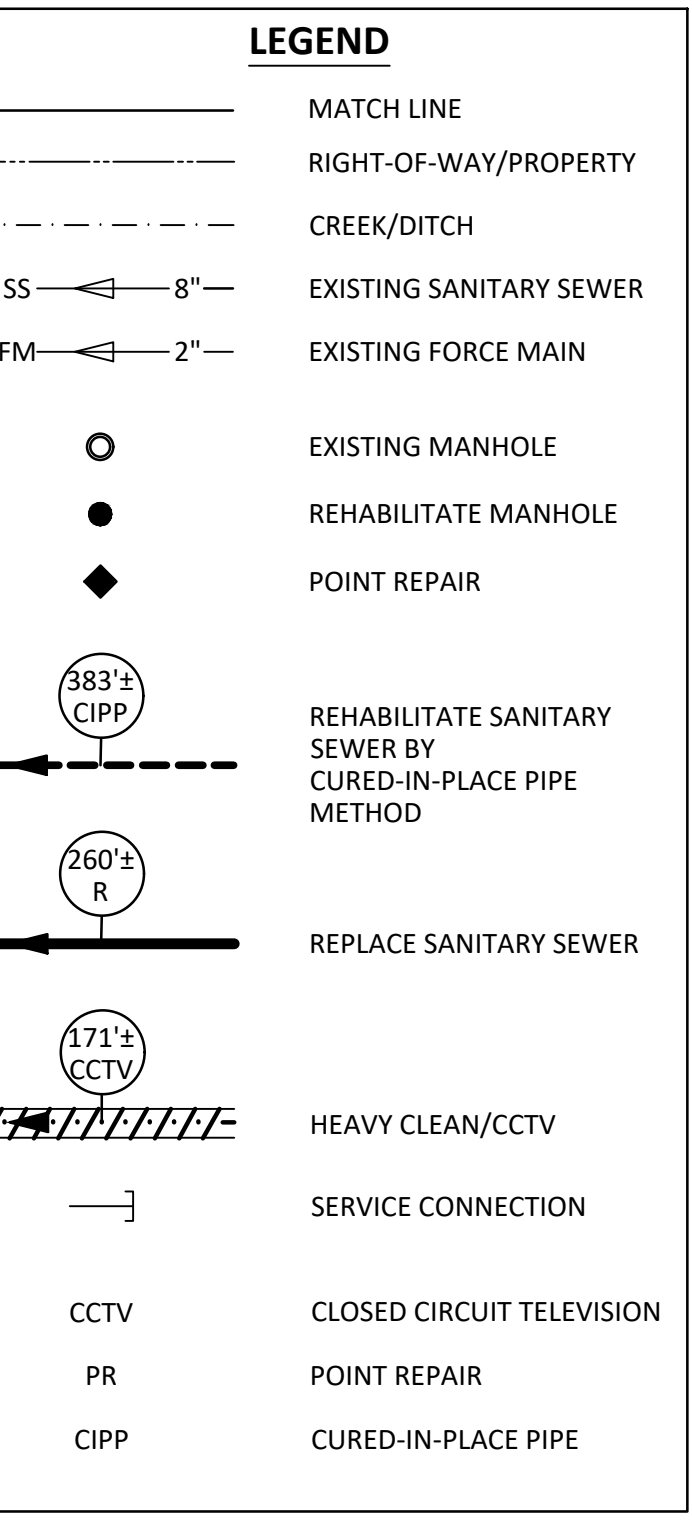
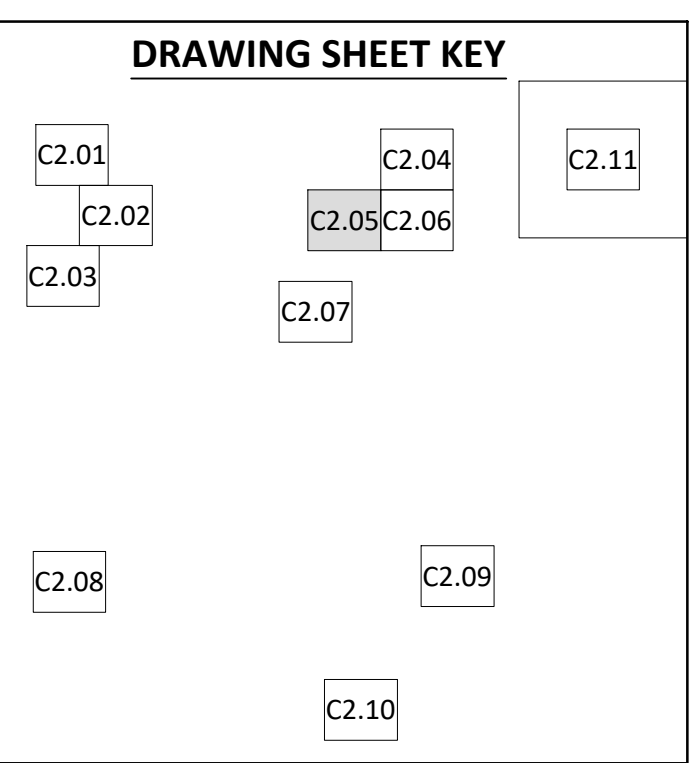


JOB NO: 721.001.3
 DATE: 06/19/2024

C2.04

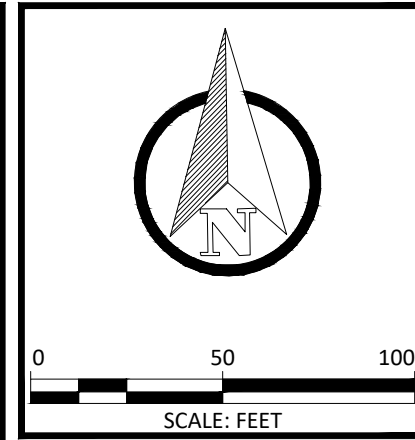
TDEC SUBMITTAL

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MANHOLE REHABILITATION

MANHOLE NUMBER	DEPTH (FT)	PROPOSED WORK
301	12'-8"	REHAB (CEMENT.)

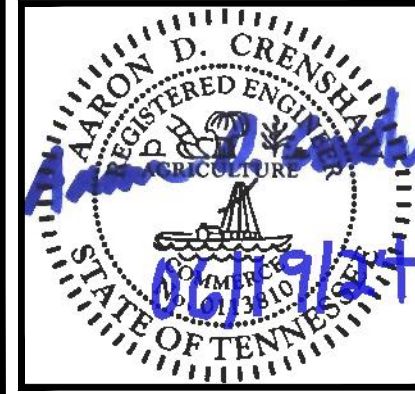


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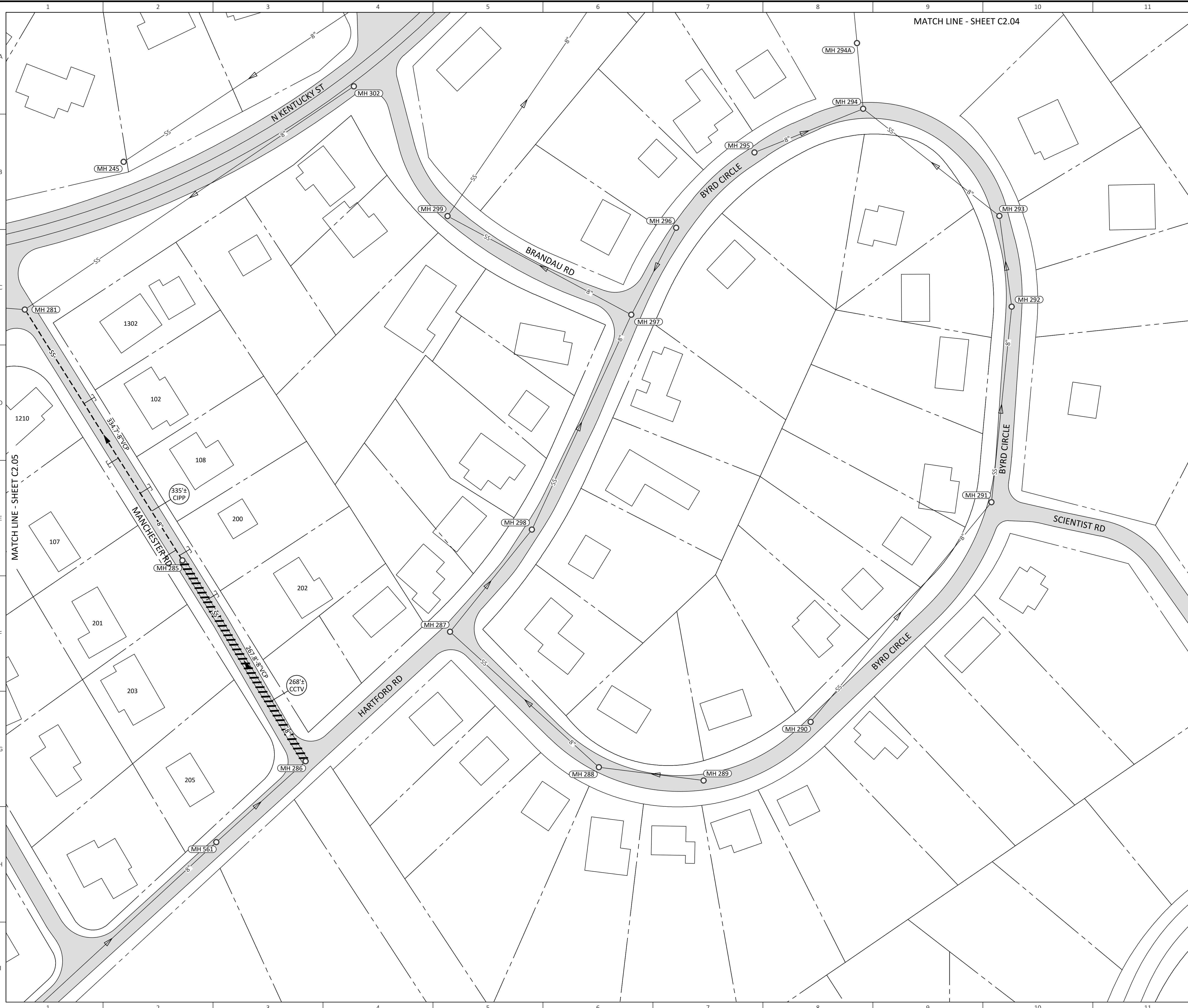
CITY OF KINGSTON
SEWER COLLECTION SYSTEM REHABILITATION
SEWER REHABILITATION PLAN



JOB NO: 721.001.3
 DATE: 06/19/2024

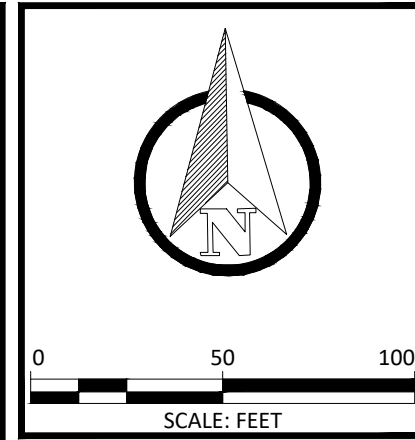
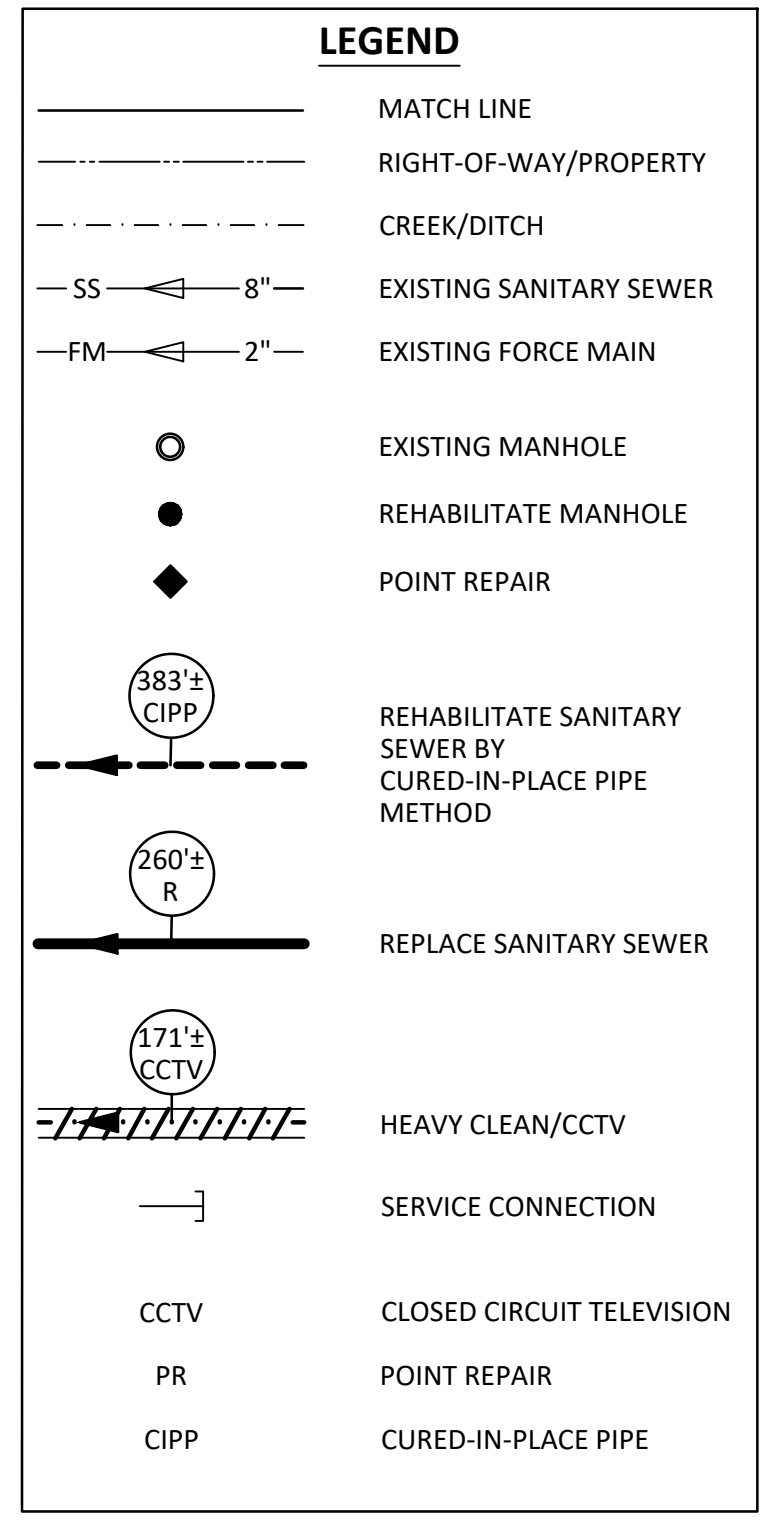
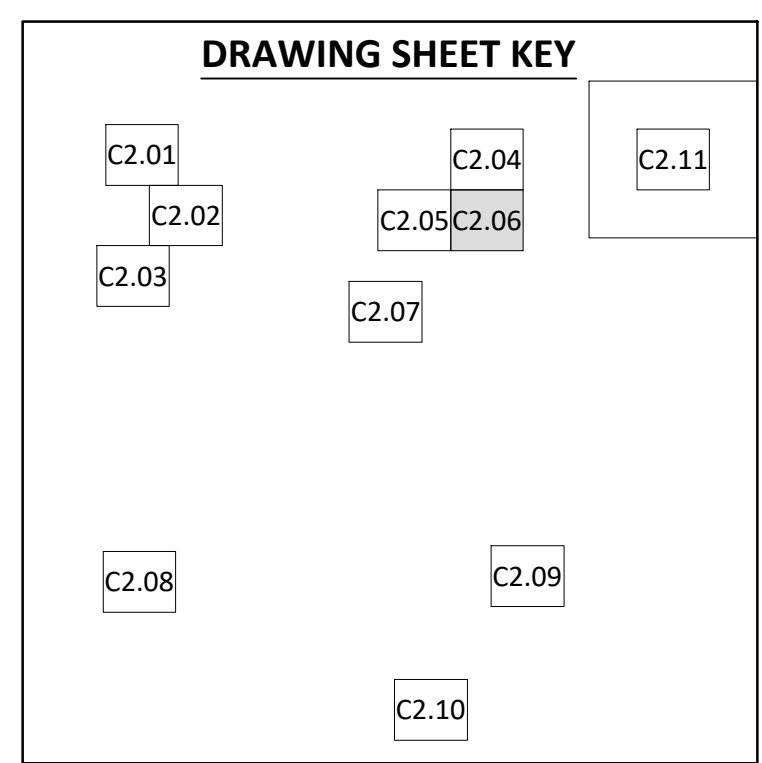
C2.05
 TDEC SUBMITTAL

June 19, 2024 1:721721.001_3103-Proj(08-Dwg)1721013C-SS.dwg



MATCH LINE - SHEET C2.04

MATCH LINE - SHEET C2.05

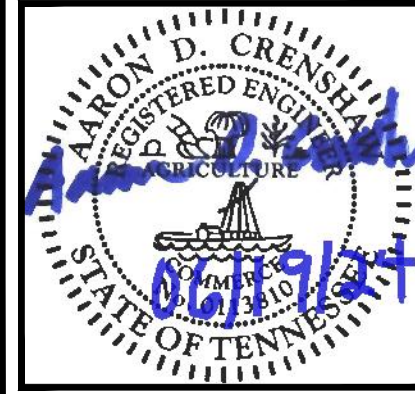


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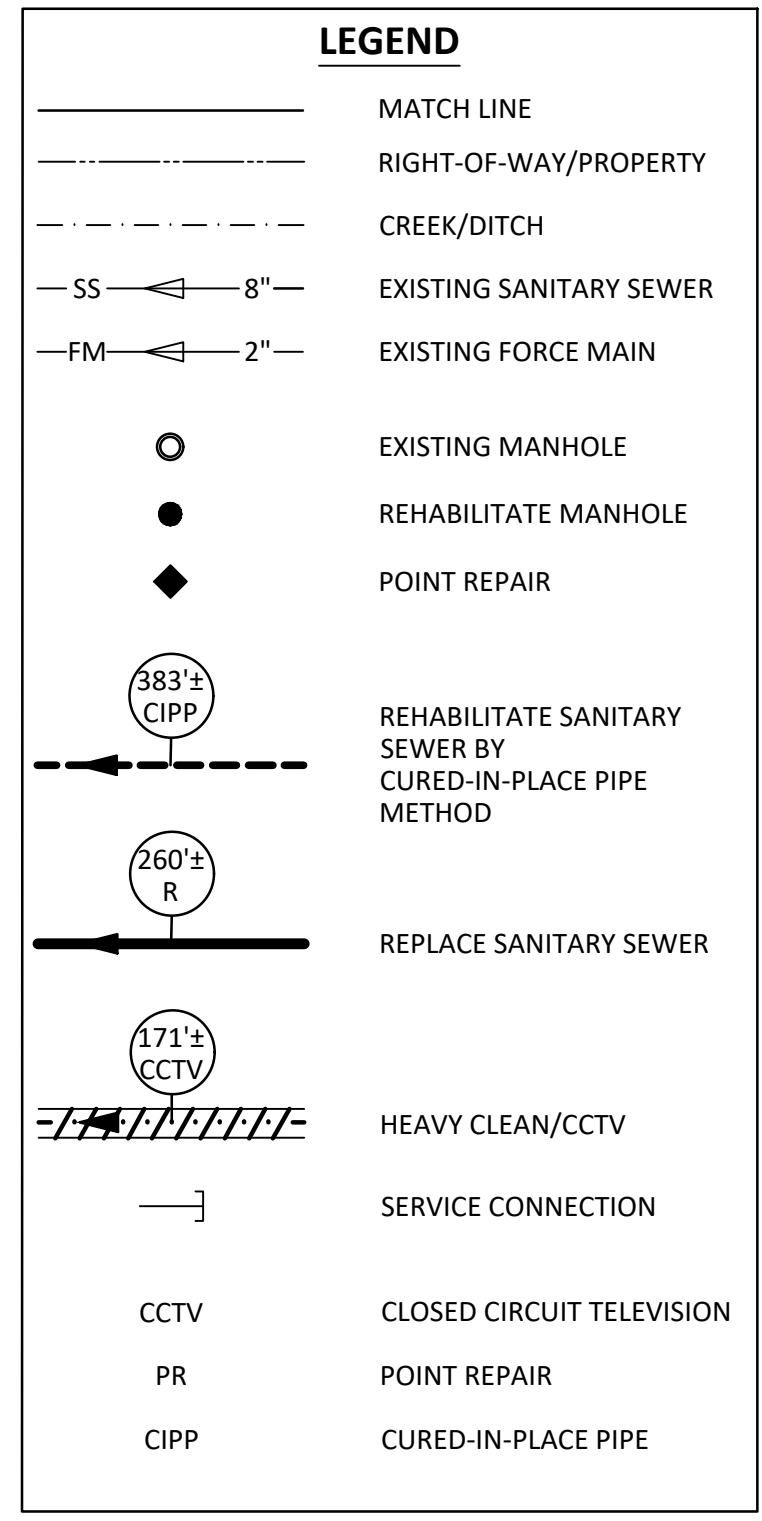
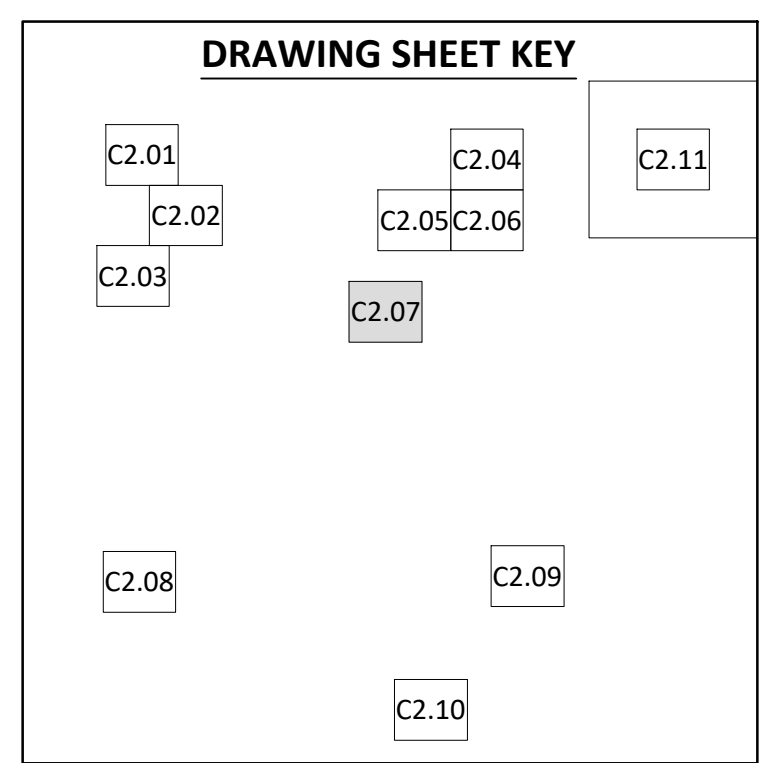
CITY OF KINGSTON
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SEWER REHABILITATION PLAN



JOB NO: 721.001.3
 DATE: 06/19/2024

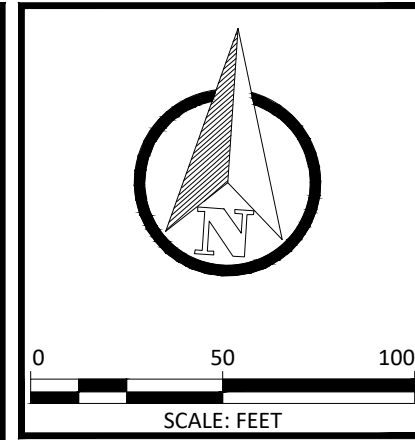
C2.06
 TDEC SUBMITTAL

June 19, 2024 1:721.001.303-Prop(08-Dwg)17210013C-SS.dwg



MANHOLE REHABILITATION

MANHOLE NUMBER	DEPTH (FT)	PROPOSED WORK
322	8'-6"	REHAB (CEMENT.)

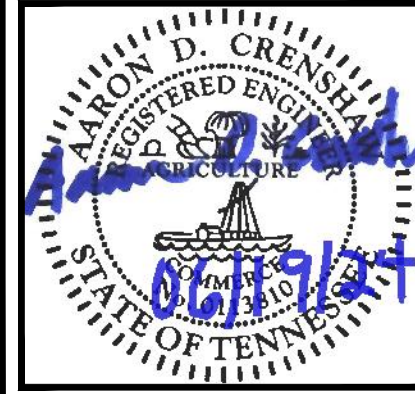


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JOB NO: 721.001.3
 DATE: 06/19/2024

C2.07
 TDEC SUBMITTAL

June 19, 2024 1:721.001.3 303-Prop(03-Dwg)17210013C-SS.dwg

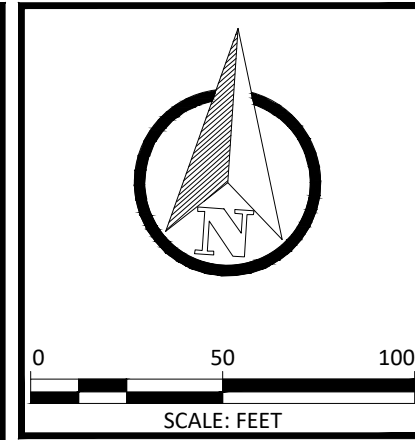


DRAWING SHEET KEY

C2.01	C2.04	C2.11
C2.02	C2.05	C2.06
C2.03	C2.07	
C2.08	C2.09	
	C2.10	

LEGEND

	MATCH LINE
	RIGHT-OF-WAY/PROPERTY
	CREEK/DITCH
	8" EXISTING SANITARY SEWER
	2" EXISTING FORCE MAIN
	EXISTING MANHOLE
	REHABILITATE MANHOLE
	POINT REPAIR
	383"± CIPP
	260"± R
	171"± CCTV
	HEAVY CLEAN/CCTV
	SERVICE CONNECTION
	CLOSED CIRCUIT TELEVISION
	POINT REPAIR
	CURED-IN-PLACE PIPE

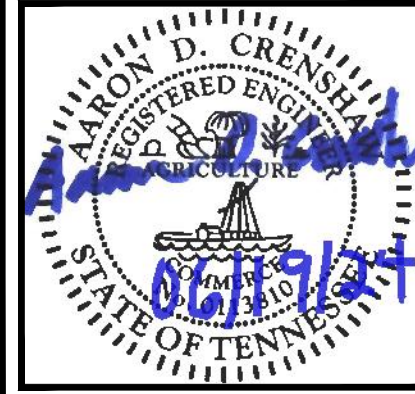


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CITY OF KINGSTON
SEWER COLLECTION SYSTEM REHABILITATION
SEWER REHABILITATION PLAN



JOB NO: 721.001.3
 DATE: 06/19/2024

C2.08
 TDEC SUBMITTAL

June 19, 2024 1:721.001.303-Proj(03-Dwg)1710013C-SS.dwg

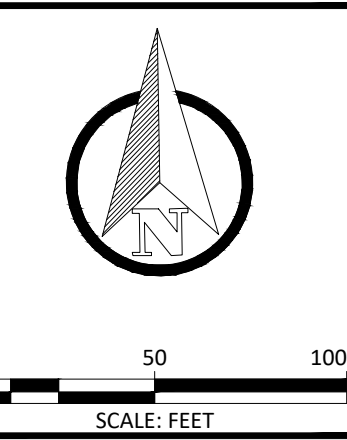


DRAWING SHEET KEY

C2.01	C2.04	C2.11
C2.02	C2.05	C2.06
C2.03	C2.07	
C2.08	C2.09	
	C2.10	

LEGEND

	MATCH LINE
	RIGHT-OF-WAY/PROPERTY
	CREEK/DITCH
	EXISTING 8" SANITARY SEWER
	EXISTING 2" FORCE MAIN
	EXISTING MANHOLE
	REHABILITATE MANHOLE
	POINT REPAIR
	REHABILITATE SANITARY SEWER BY CURED-IN-PLACE PIPE METHOD
	REPLACE SANITARY SEWER
	HEAVY CLEAN/CCTV
	SERVICE CONNECTION
	CLOSED CIRCUIT TELEVISION
	POINT REPAIR
	CURED-IN-PLACE PIPE



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CITY OF KINGSTON
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SEWER REHABILITATION PLAN



JOB NO: 721.001.3
 DATE: 06/19/2024

C2.09

TDEC SUBMITTAL

June 19, 2024 1:7211721.001_3103-Proj(08-Dwg)1721013C-SS.dwg

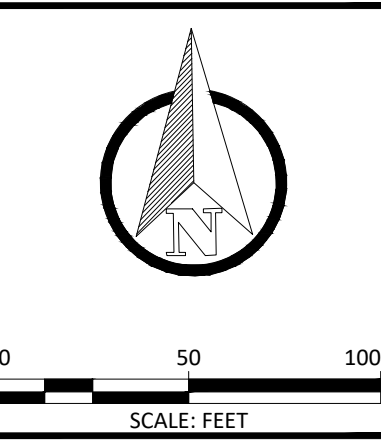


DRAWING SHEET KEY

C2.01	C2.04	C2.11
C2.02	C2.05/C2.06	
C2.03	C2.07	
C2.08	C2.09	
	C2.10	

LEGEND

	MATCH LINE
	RIGHT-OF-WAY/PROPERTY
	CREEK/DITCH
	EXISTING SANITARY SEWER
	EXISTING FORCE MAIN
	EXISTING MANHOLE
	REHABILITATE MANHOLE
	POINT REPAIR
	REHABILITATE SANITARY SEWER BY CURED-IN-PLACE PIPE METHOD
	REPLACE SANITARY SEWER
	HEAVY CLEAN/CCTV
	SERVICE CONNECTION
	CLOSED CIRCUIT TELEVISION
	POINT REPAIR
	CURED-IN-PLACE PIPE

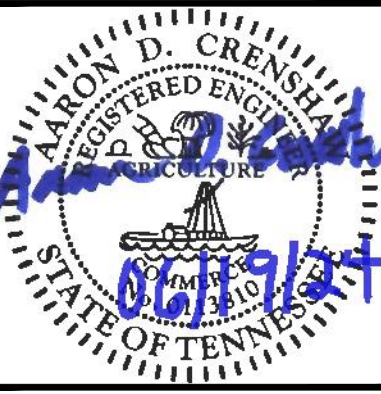


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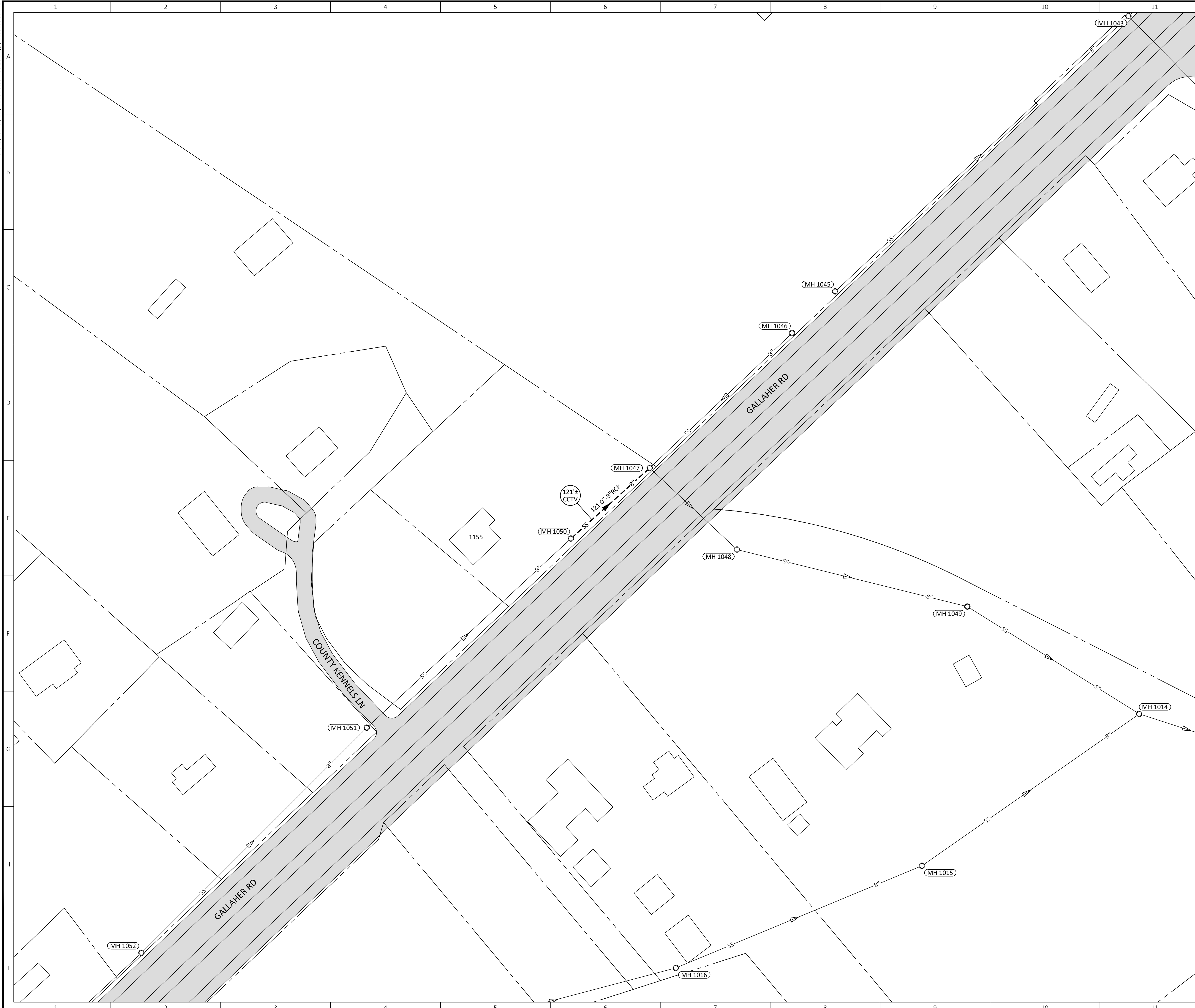
CITY OF KINGSTON
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SEWER REHABILITATION PLAN



JOB NO: 721.001.3
 DATE: 06/19/2024

C2.10
 TDEC SUBMITTAL

June 19, 2024 1:721.001.303-Proj(08-Dwg)1721013C-SS.dwg

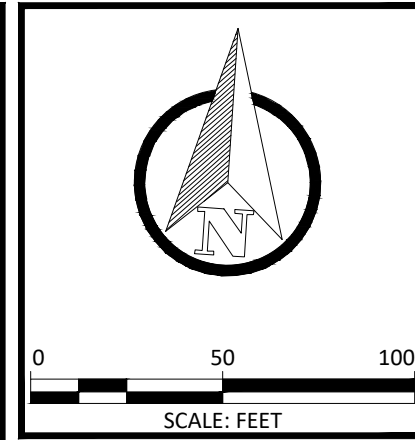


DRAWING SHEET KEY

C2.01	C2.04	C2.11
C2.02	C2.05/C2.06	
C2.03	C2.07	
C2.08	C2.09	
	C2.10	

LEGEND

	MATCH LINE
	RIGHT-OF-WAY/PROPERTY
	CREEK/DITCH
	EXISTING 8" SANITARY SEWER
	EXISTING 2" FORCE MAIN
	EXISTING MANHOLE
	REHABILITATE MANHOLE
	POINT REPAIR
	REHABILITATE SANITARY SEWER BY CURED-IN-PLACE PIPE METHOD
	REPLACE SANITARY SEWER
	HEAVY CLEAN/CCTV
	SERVICE CONNECTION
	CLOSED CIRCUIT TELEVISION
	POINT REPAIR
	CURED-IN-PLACE PIPE

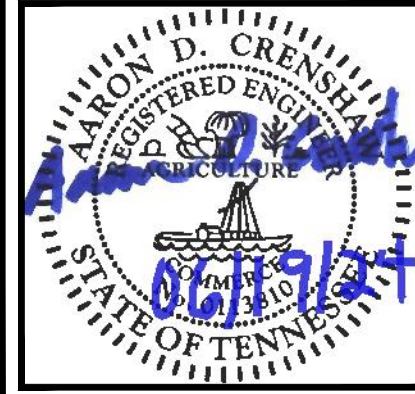


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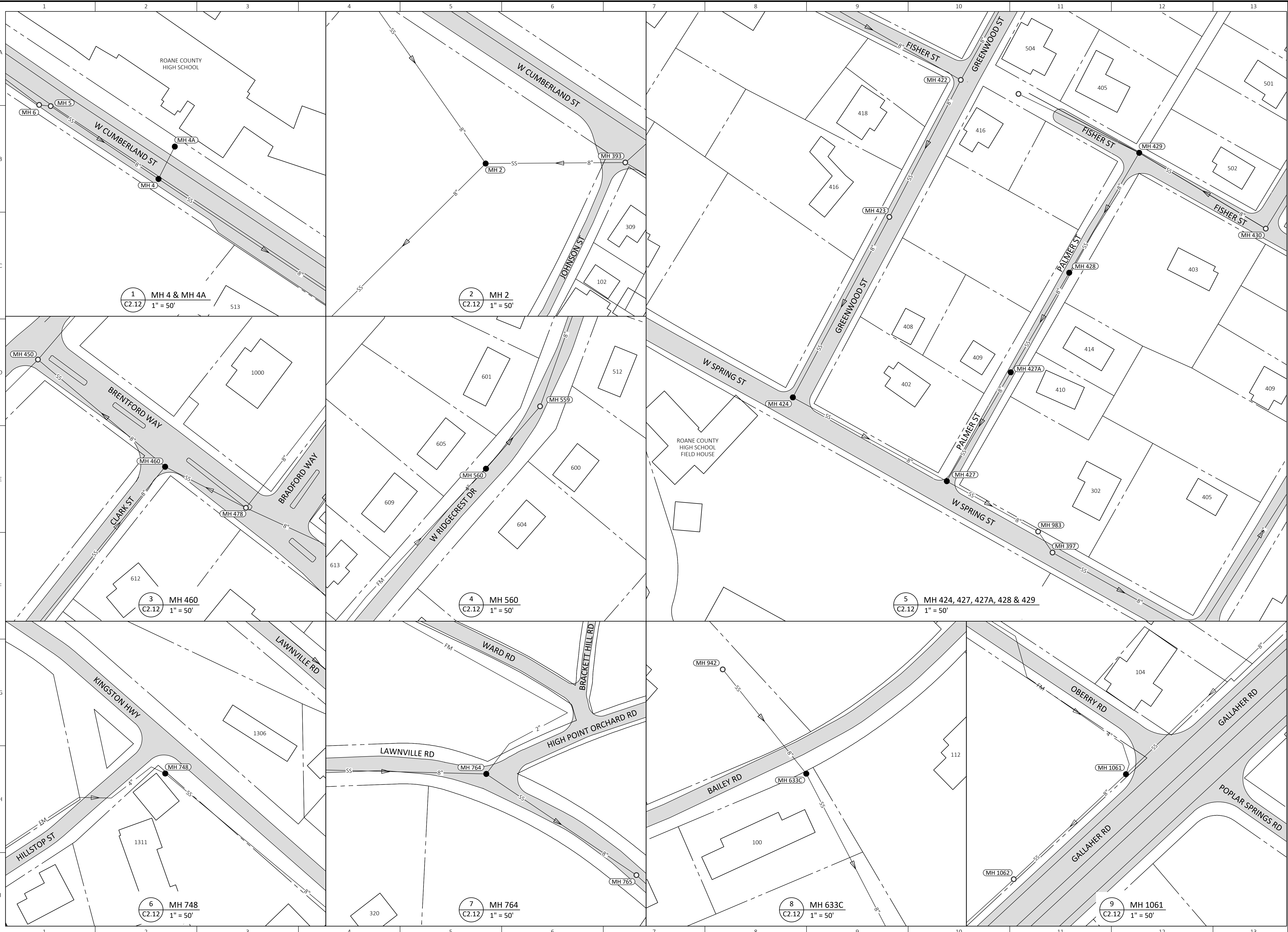
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SEWER REHABILITATION PLAN



JOB NO: 721.001.3
 DATE: 06/19/2024

C2.11
 TDEC SUBMITTAL

June 19, 2024 11:21:21.001 3:03-Prod(03-Dwg:Y210013C-MH.dwg)



1 MH 4 & MH 4A
C2.12 1" = 50'

2 MH 2
C2.12 1" = 50'

3 MH 460
C2.12 1" = 50'

4 MH 560
C2.12 1" = 50'

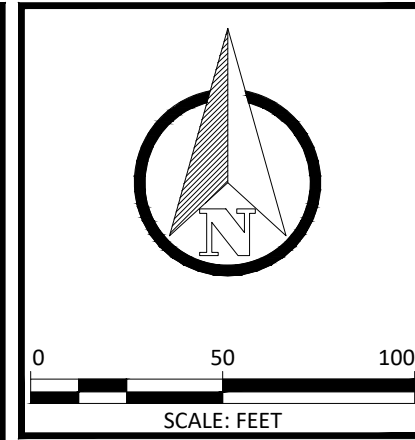
5 MH 424, 427, 427A, 428 & 429
C2.12 1" = 50'

6 MH 748
C2.12 1" = 50'

7 MH 764
C2.12 1" = 50'

8 MH 633C
C2.12 1" = 50'

9 MH 1061
C2.12 1" = 50'



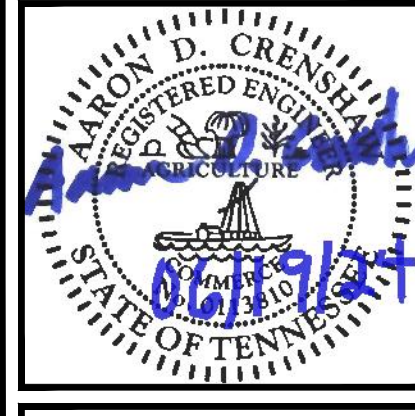
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SEWER COLLECTION SYSTEM REHABILITATION
MANHOLE REHABILITATION PLAN



JOB NO: 721.001.3
DATE: 06/19/2024

C2.12
TDEC SUBMITTAL