

ADDENDUM TWO

**FORMER HARRIET TUBMAN HOMES SITE SEWER RELOCATION
CONTRACT NO. D-18-002**

CITY OF CHATTANOOGA, TENNESSEE

The following changes shall be made to the Drawings:

I. DRAWINGS

Delete Sheets C0.01, C2.01, C2.31, C2.41, C4.02 & C4.03 and replace with Sheets C0.01, C2.01, C2.31, C2.41, C4.02 & C4.03 included with this addendum.

August 8, 2019

/s/ Justin C. Holland, Administrator
City of Chattanooga
Department of Public Works

SCOPE OF WORK:

THIS PROJECT CONSISTS OF THE REPLACEMENT OF APPROX. 1,800 L.F. 27" RCP AND 800 L.F. 15" PVC WITH 30" DIP, 27" PVC, AND 15" PVC OF GRAVITY SANITARY SEWER AT THE FORMER HARRIET TUBMAN HOMES SITE. THE SCOPE OF WORK FOR THIS PROJECT INCLUDES, BUT IS NOT LIMITED TO: SANITARY SEWER INSTALLATION, SANITARY SEWER ABANDONMENT, GRADING, EROSION CONTROL, SELECTIVE DEMOLITION, AND TRAFFIC CONTROL.

PROJECT CONTACTS:

TYLER W. GROSS, P.E.
BARGE DESIGN SOLUTIONS
1100 MARKET STREET, SUITE 200
CHATTANOOGA, TN 37402
PHONE: 423-756-3025

GENERAL NOTES:

- 1. PRIOR TO STARTING CONSTRUCTION, CONTRACTOR SHALL ENSURE THAT ALL REQUIRED PERMITS AND APPROVALS HAVE BEEN OBTAINED.
2. ALL DIMENSIONS AND GRADES SHOWN ON THE PLANS SHALL BE FIELD VERIFIED BY THE CONTRACTOR PRIOR TO SUBMITTAL OF SHOP DRAWINGS.
3. ANY CHANGES OR ALTERATIONS MADE TO THESE CONSTRUCTION DRAWINGS WITHOUT WRITTEN APPROVAL OF THE ENGINEER VOIDS THIS SEAL SHOWN HEREON, AND ANY LIABILITY ASSOCIATED WITH THE PROJECT.
4. PRIOR TO BEGINNING CONSTRUCTION, THE CONTRACTOR WILL NOTIFY ALL UTILITIES WITHIN AND ADJACENT TO THE PROJECT SITE TO IDENTIFY ANY POSSIBLE CONSTRUCTION CONFLICTS.
5. UPON COMPLETION OF THE PROJECT, THE CONTRACTOR SHALL PROVIDE TO THE OWNER 'AS-BUILT' RECORD DRAWINGS PREPARED IN ACCORDANCE WITH THE CONTRACT DOCUMENTS.
6. THE CONTRACTOR SHALL PROTECT ALL ITEMS ON-SITE AND ADJACENT TO THE SITE WHICH ARE TO REMAIN.
7. THE CONTRACTOR SHALL PROVIDE COPIES OF THE NOTES OF SAID STAKING TO THE OWNER OR OWNER'S REPRESENTATIVE UPON REQUEST.
8. THE CONTRACTOR SHALL MAINTAIN A RECORD SET OF DRAWINGS IN THE OFFICE TRAILER AND AVAILABLE FOR INSPECTION IN WHICH SITE NOTATIONS, WORK PROGRESS, FIELD FINDINGS AND OTHER PERTINENT JOB SITE DATA WILL BE RECORDED.
9. THE CONTRACTOR SHALL PROVIDE TRASH RECEPTACLES FOR CONTRACTOR PERSONNEL AND TAKE ALL MEASURES NECESSARY TO PREVENT LITTER WITHIN THE WORK SITE.

UTILITIES:

- 1. LOCATIONS OF UTILITIES, PUBLIC AND/OR PRIVATE, ARE APPROXIMATE ONLY, AND THE EXACT LOCATIONS SHALL BE DETERMINED IN THE FIELD.
2. UTILITY OWNERS ARE TO RESET, RELAY, OR ADJUST, AT THEIR OWN EXPENSE, POWER AND TELEPHONE LINES, POWER POLES, WATER AND GAS LINES, AND ALL OTHER FACILITIES INCLUDING METERS, VALVES, FITS, ETC.
3. THE CONTRACTOR SHALL NOTIFY ALL AFFECTED UTILITY OWNERS PRIOR TO INTERRUPTING ANY GAS, WATER, OR SEWER SERVICES.
4. THE CONTRACTOR SHALL PROVIDE ALL NECESSARY PROTECTIVE MEASURES TO SAFEGUARD EXISTING UTILITIES FROM DAMAGE DURING CONSTRUCTION OF THIS PROJECT.

SURVEY NOTES

- 1. THE BASIS FOR NORTH ORIENTATION IS: TENNESSEE STATE GRID, NORTH AMERICAN DATUM 1983 (NAD 83) ALL BEARINGS BASED ON SAID SYSTEM.
2. ELEVATIONS AND CONTOURS BASED ON NORTH AMERICAN VERTICAL DATUM 1988 (NAVD 88).
3. THE LOCATION OF EXISTING UNDERGROUND UTILITIES, WHETHER PUBLIC OR PRIVATE, ARE SHOWN IN APPROXIMATE LOCATION ONLY AND ARE BASED UPON THE FIELD LOCATION OF THE VISIBLE UTILITY APPURTENANCES ONLY.
4. THIS MAP AND SURVEY SUBJECT TO ANY RIGHTS-OF-WAY, EASEMENTS, RESTRICTIONS, ORDINANCES, AGREEMENTS, ZONING AND ANY OTHER MATTERS OF TITLE THAT MAY EXIST.
5. PROPERTY BOUNDARY LINES AND ROAD RIGHT-OF-WAY LOCATIONS AS SHOWN HEREON BASED ON EXISTING PROPERTY CORNERS FOUND IN CONJUNCTION WITH MAP OF SURVEY PREPARED BY EARTHWORK, LLC ENTITLED 'ALTA/NSPS LAND TITLE SURVEY, PROPERTY OF CITY OF CHATTANOOGA' DATED JULY 07, 2016 AND HAVING DRAWING NUMBER 16018 ALTA.DWG.

RIGHTS-OF-WAY/EASEMENTS:

- 1. BEFORE CONSTRUCTION OF A CITY OF CHATTANOOGA PROJECT BEGINS, THE CITY'S DEPARTMENT OF PUBLIC WORKS SHALL SECURE ALL RIGHTS-OF-WAY AND EASEMENTS REQUIRED FOR COMPLETION OF THE PROJECT.

GRADING NOTES:

- 1. FINISHED GRADES ON PROFILES ARE THE SAME AS FINISHED GRADES SHOWN ON TYPICAL SECTIONS AND ON CROSS SECTIONS.
2. WHEN SPECIFIED GRADING REQUIREMENTS ARE NOT SHOWN ON THE DRAWINGS, THE CONTRACTOR SHALL GRADE ALL AREAS WITHIN THE LIMITS OF CONSTRUCTION, OR OTHERWISE DISTURBED BY CONSTRUCTION, TO DRAIN AND TO MATCH THE EXISTING, ADJACENT GROUND.
3. THE CONTRACTOR SHALL PERFORM ALL NECESSARY STRIPPING OF EXISTING TOPSOIL ON THE JOBSITE.
4. ON THE PROJECT, NEWLY GRADED, EARTH AREAS NOT TO BE PAVED, RIP-RAPPED, OR STABILIZED, SHALL BE SEEDED IN ACCORDANCE WITH THE CITY OR COUNTY SPECIFICATIONS.
5. THE CONTRACTOR IS TO DISPOSE OF, AT HIS OWN EXPENSE, ALL UNSUITABLE AND/OR SURPLUS, EXCAVATED MATERIAL AS DIRECTED BY THE ENGINEER.
6. THE CONTRACTOR SHALL BE REQUIRED TO REMOVE SECTIONS OF EXISTING CURB OR CURB AND GUTTER THAT ARE RENDERED OBSOLETE.
7. EXCAVATION ADJACENT TO EXISTING PAVEMENT SHALL BE MADE TO A NEAT LINE.

SANITARY SEWER NOTES:

- 1. ALL PROPOSED SANITARY SEWER LINES AND MANHOLES SHALL BE INSTALLED IN ACCORDANCE WITH CITY OF CHATTANOOGA/HAMILTON COUNTY STANDARD DETAILS AND SPECIFICATIONS.
2. SEWERS MUST BE CONSTRUCTED BY A LICENSED MUNICIPAL UTILITY CONTRACTOR (CLASSIFICATION MU).
3. THE CONTRACTOR SHALL NOTIFY THE INSPECTOR AT (423) 643-6311 AT LEAST 7 DAYS PRIOR TO THE START OF SEWER CONSTRUCTION.
4. ALL CUTS AND FILLS ARE TO BE IN PLACE AND FILLS COMPACTED PRIOR TO SEWER CONSTRUCTION.
5. WHERE WATER PIPING CROSSES THE SANITARY SEWER LINE, THE WATER SERVICE WITHIN 10 FEET OF THE POINT OF CROSSING SHALL BE AT LEAST 18 INCHES ABOVE THE TOP OF THE SEWER LINE.
6. ANCHOR COLLARS SHALL BE PROVIDED ON SANITARY SEWER LINES WITH SLOPES EXCEEDING 18% WITH SPACING AS SPECIFIED BY THE STATE OF TENNESSEE DESIGN CRITERIA FOR SEWAGE WORKS.
7. TRANSITION JOINTS ON SEWER PIPES OF DIFFERENT MATERIALS SHALL BE MADE WITH ADAPTERS IN LIEU OF CONCRETE COLLAR WALLS.
8. SERVICE LATERALS EXTENDING TO THE PROPERTY LINE SHALL EACH HAVE A CLEANOUT AT THE PROPERTY LINE.
9. ALL CONNECTIONS TO EXISTING MANHOLES MUST BE CORED AND BOOTED AND THE INVERTS REFORMED.
10. TOPS OF ALL MANHOLES SHALL BE RAISED TO BE FLUSH WITH NEW FINISHED GRADES AND VISIBLE.
11. MANHOLES RAISED 8 INCHES OR LESS SHALL BE DONE BY THE USE OF CONCRETE RINGS OR 'DOUGHNUTS'.
12. ALL SEWER LINES SHALL BE TESTED AND APPROVED AFTER ALL OTHER UTILITIES HAVE BEEN INSTALLED.
13. UPON COMPLETION OF THE PROJECT, 'RECORD' DRAWINGS MUST BE SUBMITTED TO THE JURISDICTIONAL ENGINEER WITHIN 30 DAYS.
14. UPON COMPLETION OF THE PROJECT, ALL PUBLIC SEWER EASEMENTS OBTAINED SHALL BE SUBMITTED TO THE JURISDICTIONAL WASTEWATER AUTHORITY WITHIN 30 DAYS.
15. ALL NEWLY CONSTRUCTED SANITARY SEWERS SHALL BE TELEVIEWED AT THE REQUEST OF THE JURISDICTIONAL ENGINEER AT THE CONTRACTOR EXPENSE.
16. CONTRACTOR SHALL PREPARE CUT SHEETS SHOWING DEPTHS OF CUTS, LATERAL TEES, AND CHECK DAMS.

TRAFFIC:

- 1. UPON NOTICE OF AWARD OF A CITY OR COUNTY CONTRACT, THE CONTRACTOR SHALL SUBMIT, WITHIN TEN (10) DAYS, A CONSTRUCTION SCHEDULE.
2. DURING CONSTRUCTION, THE CONTRACTOR SHALL MAINTAIN TRAFFIC AND PROVIDE TRAFFIC CONTROL DEVICES IN CONFORMANCE WITH THE 'MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES (MUTCD)'.
3. PERMANENT SIGNS AND PAVEMENT MARKINGS SHALL BE PLACED BY CONTRACTOR.
4. THE CONTRACTOR SHALL MAINTAIN ALL BUSINESS, VEHICULAR, AND PEDESTRIAN ENTRANCES.
5. THE CONTRACTOR SHALL PROVIDE A PEDESTRIAN WALKWAY THAT SEPARATES AND INSULATES THE PEDESTRIAN FROM THE CONSTRUCTION SITE AND VEHICULAR TRAFFIC.
6. PRIOR TO CLOSING THE ROAD TO THROUGH TRAFFIC, THE CONTRACTOR SHALL NOTIFY ALL AFFECTED LOCAL AGENCIES ABOUT THE PROPOSED ROAD CLOSURE.

EROSION AND SEDIMENT CONTROL NOTES:

- 1. EROSION AND SEDIMENT CONTROL MEASURES FOR THE IMMEDIATE AREA OF WORK SHALL BE INSTALLED PRIOR TO ANY ON-SITE ACTIVITIES.
2. PERMANENT OR TEMPORARY SOIL STABILIZATION MUST BE APPLIED TO ALL DENUDED AREAS WITHIN 7 DAYS OF REACHING FINAL GRADE OR TO OTHER DENUDED AREAS WHICH ARE TO REMAIN DORMANT FOR LONGER THAN 14 DAYS.
3. ALL DISTURBED AREAS NOT TO BE PAVED SHALL BE TOP SOILED, FERTILIZED, SEEDED AND MULCHED.
4. NO ACCESS IS TO BE PROVIDED DIRECTLY TO THE PUBLIC RIGHT-OF-WAY WITHOUT AN APPROVED CONSTRUCTION ENTRANCE.
5. OWNER: CITY OF CHATTANOOGA
6. THE CONTRACTOR IS REQUIRED TO PREVENT ALL RUNOFF AND SEDIMENT FROM DAMAGING ADJACENT PROPERTIES.
7. SITE GRADING SUMMARY: DISTURBED ACREAGE = +/- 3.87 ACRES

SEDIMENT CONTROL DEVICES ARE TO BE PERIODICALLY CLEANED WHEN ACCUMULATION OF SILT IS WITHIN HALF THE HEIGHT OF THE DEVICE. THE DEVICES SHALL BE CHECKED A MINIMUM OF TWICE WEEKLY AND WITHIN 24 HOURS AFTER EVERY RAINFALL OF 0.5" OR GREATER BY A TDEC LEVEL 1 CERTIFIED PERSON. IN THE EVENT OF CONTINUOUS RAINFALL, EROSION CONTROLS SHALL BE CHECKED DAILY. ANY FAILURE OF A CONTROL DEVICE SHALL BE CORRECTED WITHIN 3 DAYS. THE CONTRACTOR WILL KEEP A LOG OF ALL INSPECTIONS AND REPAIR EFFORTS DURING THE CONSTRUCTION PERIOD.

- 9. ALL WORK PROPOSED WITHIN AREAS OF WATER FLOW SHALL BE DONE DURING PERIODS OF LOW WATER FLOW AND REMAINING FLOWS MUST BE DIVERTED AROUND OR OTHERWISE BE PREVENTED FROM ENTERING PROPOSED CONSTRUCTION AREAS.
10. NO EARTH OR OTHER ERODIBLE MATERIAL SHALL BE USED TO DIVERT STREAM FLOW OR TO CONSTRUCT COFFERDAMS.
11. THE CONTRACTOR SHALL PERFORM THE WORK IN SUCH A MANNER SO AS TO MINIMIZE DISTURBED AREA AT ANY GIVEN TIME.
12. DEWATERING OF TRENCH SHALL BE TREATED BY USE OF FILTER BAG OR FILTER BOX PRIOR TO DISCHARGE INTO DRAINAGE SYSTEM.
13. SILT FENCING OR SILT LOGS TO BE USED IN AREAS WHERE SLOPE MAY CAUSE RUNOFF FROM DISTURBED AREAS TO APPROACH HOMES OR STREETS.

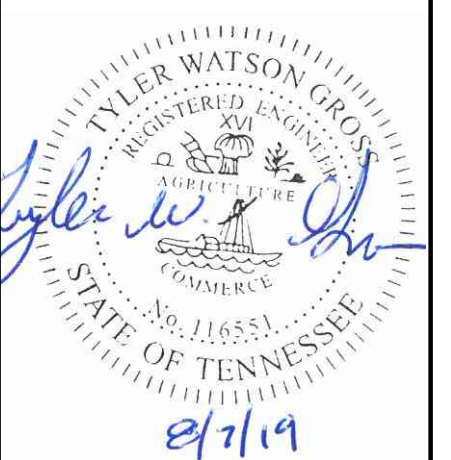
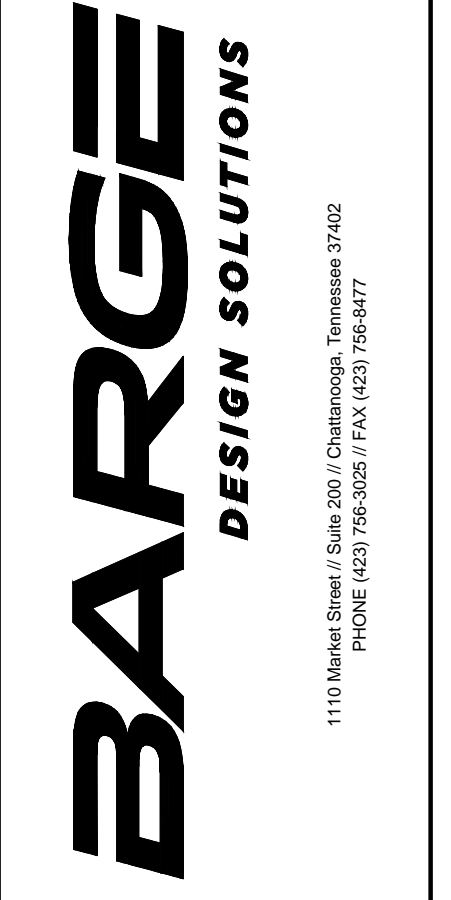
MISCELLANEOUS:

- 1. THE ENGINEER SHALL HAVE THE AUTHORITY TO DESIGNATE AND/OR LIMIT AREAS OF CONSTRUCTION.
2. IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO PROVIDE ALL FIELD LAYOUTS, APPROVED BY THE ENGINEER FOR RELATED CONSTRUCTION.
3. ALL SALVAGEABLE MATERIAL FROM EXISTING PIPING AND STRUCTURES SHALL REMAIN PROPERTY OF THE CITY OF CHATTANOOGA OR OF THE HAMILTON COUNTY.
4. ALL UNSUITABLE MATERIAL, AS DETERMINED BY THE ENGINEER OR THROUGH TESTING, IS TO BE REMOVED AND REPLACED WITH SUITABLE MATERIAL.
5. THE CONTRACTOR IS RESPONSIBLE FOR MAINTAINING ALL EXISTING COMBINED CURB AND GUTTERS WHERE APPLICABLE.
6. ALL EXISTING DRAINAGE STRUCTURES, ABANDONED UTILITY FACILITIES, STRUCTURE FOUNDATIONS, AND SIMILAR ITEMS WITHIN THE LIMITS OF PAVING SHALL BE REMOVED TO A MINIMUM OF TWO FEET BELOW THE TOP OF SUBGRADE.
7. ALL TREES LARGER THAN 3 INCHES IN DIAMETER NEEDING TO BE REMOVED PRIOR TO THE COMPLETION OF THIS CONTRACT, SHALL BE CUT IN 3 FOOT LENGTHS AND STACKED ON THE ADJACENT PROPERTY IF THAT PROPERTY'S OWNER WISHES TO USE THE WOOD.
8. THE CONTRACTOR SHALL REPLACE IN KIND ANY AND ALL SHRUBS, FENCES, MAILBOXES, ETC., THAT ARE REMOVED FROM, OR DAMAGED.
9. THE CONTRACTOR SHALL GIVE THE AFFECTED PROPERTY OWNERS ONE WEEK'S NOTICE PRIOR TO CUTTING FENCES.
10. THE CONTRACTOR SHALL PROVIDE RECORD DRAWINGS OF THE PROJECT WITHIN THIRTY (30) DAYS AFTER SUBSTANTIAL COMPLETION OF THE WORK.
11. SHOULD THERE BE A CONFLICT BETWEEN THESE GENERAL NOTES, CONTRACT DRAWINGS, AND/OR SPECIFICATIONS, THE MOST RESTRICTIVE INTERPRETATION IN FAVOR OF THE ENGINEER SHALL PREVAIL.

PIPE GROUTING NOTES

- EXISTING PIPE CLEANING
PRIOR TO PLACEMENT OF GROUT, ALL PIPES NOTED ON PLANS SHALL BE CLEANED OF ALL SAND, DIRT, AND OTHER SOLID OR SEMI-SOLID MATERIALS.
CLEANING SHALL BE ACCOMPLISHED BY UTILIZING HIGH PRESSURE, HYDRAULIC SEWER PIPELINE CLEANER.
CLEANING SHALL INCLUDE TRAPPING AND REMOVAL OF ALL SEDIMENTS AND RESIDUAL WASTE INCLUDING RINSE WATER FROM THE PIPES.
POTABLE WATER REQUIRED FOR CLEANING WILL BE THE RESPONSIBILITY OF THE CONTRACTOR.
AFTER CLEANING AND PRIOR TO FILLING THE EXISTING SPILLWAY PIPES WITH GROUT, THE PIPES ARE TO BE INSPECTED VIA CLOSED CIRCUIT TELEVISION (CCTV).
MAXIMUM CCTV SPEED SHALL BE 10 FEET PER MINUTE.
THE CCTV TRUCK SHALL HAVE CERTIFIED PIPELINE ASSESSMENT AND CERTIFICATION PROGRAM (PACP) SOFTWARE (CURRENT VERSION 4.4 OR NEWER).
THE PIPE INSPECTIONS PERFORMED SHALL BE CAPTURED AND SUBMITTED TO OWNER IN A MOVING PICTURE EXPERT GROUP (MPEG) FORMAT.
DURING THE ENTIRE VIDEO OF THE PIPELINE, THE FOLLOWING INFORMATION SHALL BE CONTINUOUSLY DISPLAYED:
AUTOMATIC UPDATE OF THE CAMERA'S FOOTAGE POSITION IN THE PIPELINE FROM ADJUSTED ZERO (ZERO BEING THE POINT OF ENTRY OF PIPE).
PIPE DIMENSION IN INCHES
PIPE NAME
DATE AND TIME OF VIDEO
THE SIZE AND POSITION OF THE DATA DISPLAY SHALL BE SUCH AS NOT TO INTERFERE WITH THE MAIN SUBJECT OF THE PICTURE.
THE DESIGNER'S REPRESENTATIVE SHALL BE PRESENT DURING THE INTERNAL TELEVISION INSPECTION AND SHALL MONITOR THE LIVE VIDEO FEED DURING FILMING.
GROUT FOR EXISTING PIPE ABANDONMENT

- THE GROUT MIX SHALL BE DETERMINED BY THE CONTRACTOR.
PORTLAND CEMENT SHALL MEET THE REQUIREMENTS OF ASTM C-150 FOR THE TYPE OF CEMENT SPECIFIED.
WATER USED IN MIXING GROUT SHALL BE POTABLE WATER IN ACCORDANCE WITH ASTM C-94.
CONTRACTOR SHALL SUBMIT GROUTING PIPE LAYOUT AND PROCEDURE TO OWNER FOR REVIEW PRIOR TO COMMENCING WITH GROUTING OPERATIONS.
PRIOR TO FIRST PLACEMENT, A TEST BATCH OF GROUT DELIVERED TO OR PREPARED ON SITE SHALL BE SAMPLED AND TESTED BY OWNER REPRESENTATIVE TO CHECK FOR ADEQUATE FLUIDITY, SHRINKAGE, STRENGTH CHARACTERISTICS, AND INITIAL SET TIME.
EACH PIPE SHALL BE FILLED IN ONE CONTINUOUS, UNINTERRUPTED OPERATION.
THE CONTRACTOR SHALL MONITOR THE SLOPES AROUND AND ABOVE THE PIPE.
THE GROUTING EQUIPMENT SHALL BE EQUIPPED WITH GAUGES OR FLOWMETERS THAT ALLOW CONTINUOUS MEASUREMENT OF THE GROUT TAKEN DURING OPERATION.



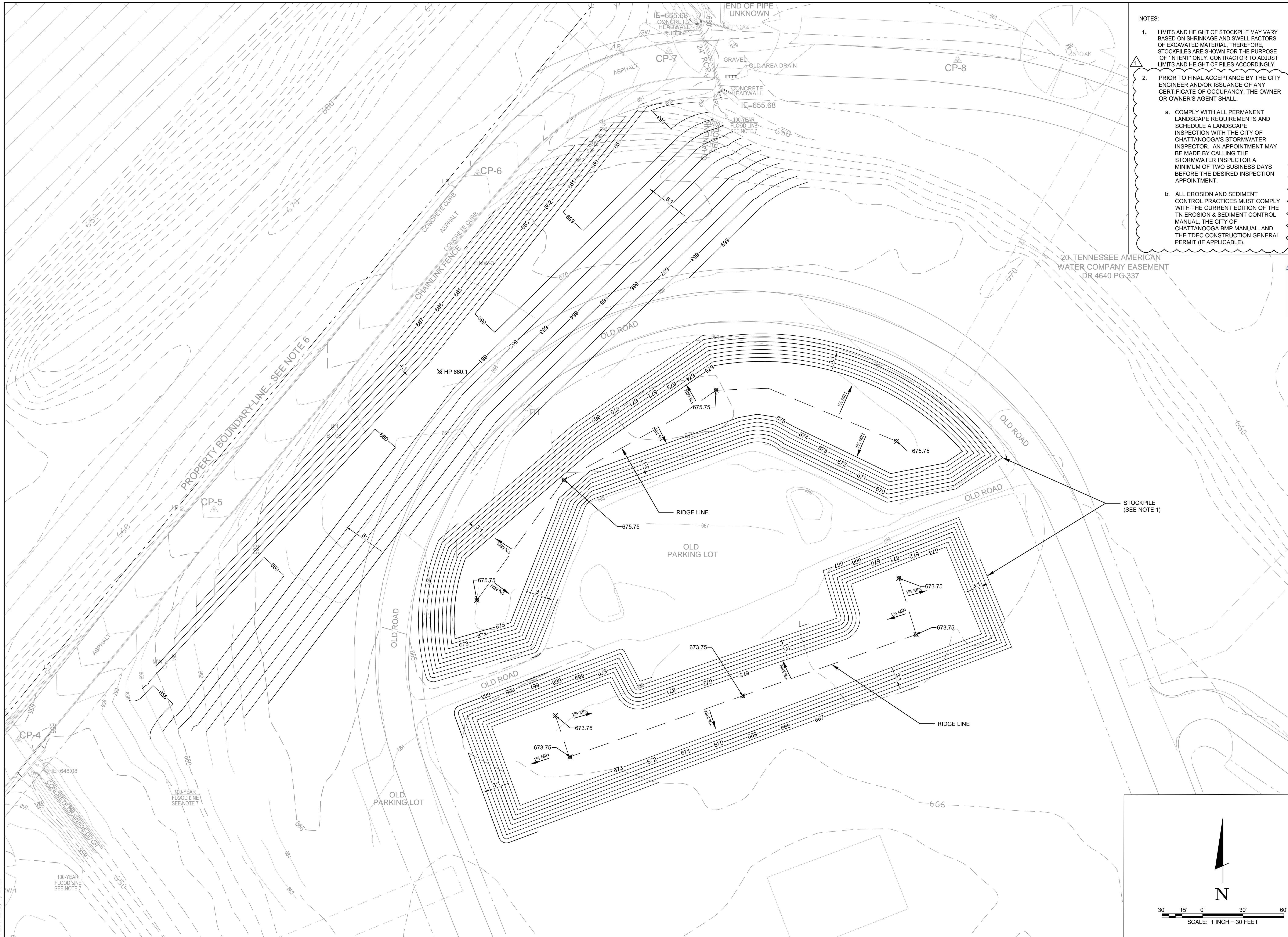
GENERAL NOTES
GRAVITY SEWER RELOCATION
FORMER HARRIET TUBMAN HOMES SITE
CHATTANOOGA, TN

Table with columns: REV, DR, CHK, DATE, DESCRIPTION. Contains revision history for the drawing.

C0.01
FILE NO. 36535-01

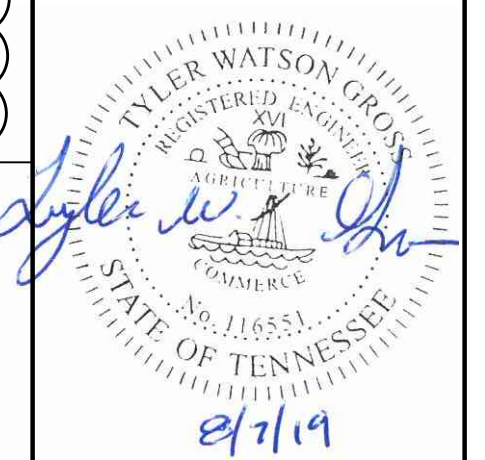
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PLOT:8/7/2019

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 SAVER:8/7/2019
 PLOTTED:8/7/2019



- NOTES:
- LIMITS AND HEIGHT OF STOCKPILE MAY VARY BASED ON SHRINKAGE AND SWELL FACTORS OF EXCAVATED MATERIAL. THEREFORE, STOCKPILES ARE SHOWN FOR THE PURPOSE OF "INTENT" ONLY. CONTRACTOR TO ADJUST LIMITS AND HEIGHT OF PILES ACCORDINGLY.
 - PRIOR TO FINAL ACCEPTANCE BY THE CITY ENGINEER AND/OR ISSUANCE OF ANY CERTIFICATE OF OCCUPANCY, THE OWNER OR OWNER'S AGENT SHALL:
 - COMPLY WITH ALL PERMANENT LANDSCAPE REQUIREMENTS AND SCHEDULE A LANDSCAPE INSPECTION WITH THE CITY OF CHATTANOOGA'S STORMWATER INSPECTOR. AN APPOINTMENT MAY BE MADE BY CALLING THE STORMWATER INSPECTOR A MINIMUM OF TWO BUSINESS DAYS BEFORE THE DESIRED INSPECTION APPOINTMENT.
 - ALL EROSION AND SEDIMENT CONTROL PRACTICES MUST COMPLY WITH THE CURRENT EDITION OF THE TN EROSION & SEDIMENT CONTROL MANUAL, THE CITY OF CHATTANOOGA BMP MANUAL, AND THE TDEC CONSTRUCTION GENERAL PERMIT (IF APPLICABLE).

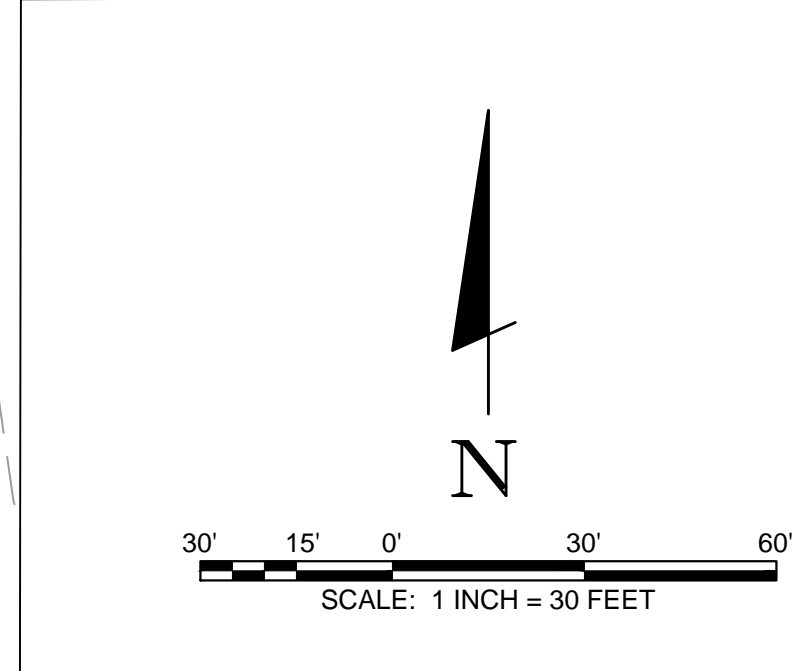
20' TENNESSEE AMERICAN
 WATER COMPANY EASEMENT
 DB 4640 PG 337



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GRADING PLAN
 GRAVITY SEWER RELOCATION
 FORMER HARRIET TUBMAN HOMES SITE
 CHATTANOOGA, TN



REV.	DR.	CHK.	DATE	DESCRIPTION
0	BSP	TWG	07/18/2019	ISSUED FOR BIDDING
1	BSP	TWG	08/07/2019	ADDENDUM 2

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 FILE NO. 36535-01

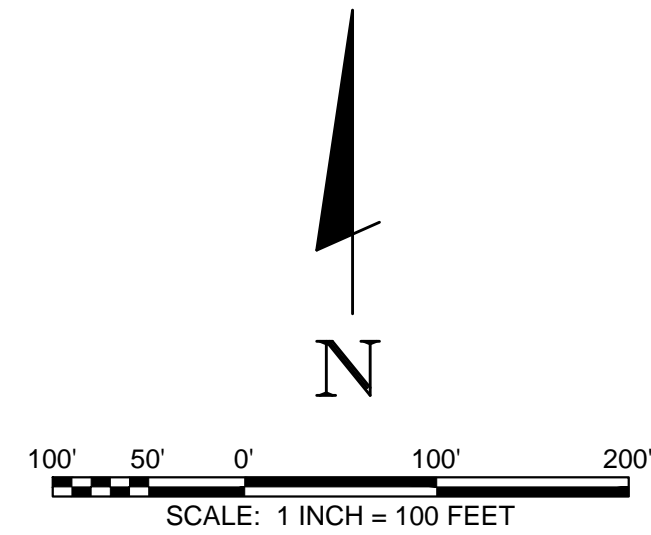


EP&SC CONSTRUCTION SCHEDULE

WEEK:	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4
EROSION CONTROL (PERMANENT)																				
STRIPPING / CLEARING																				
EARTHWORK																				
DRAINAGE / INTERNAL EROSION CONTROL STRUCTURES																				
TEMP VEGETATION / PERM. STAB. CONSTRUCTION																				
PAVING																				
PERMANENT VEGETATION																				
REMOVE TEMP. EROSION CONTROL STRUCTURES																				

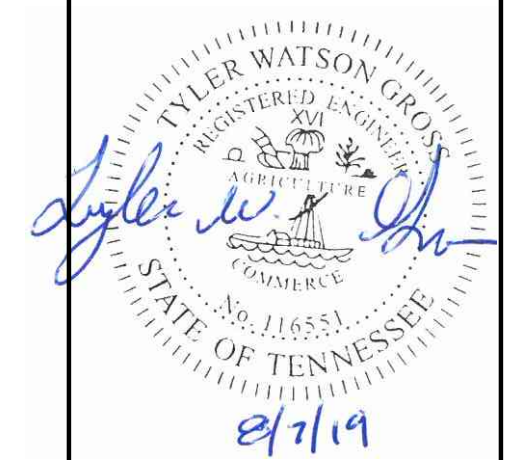
LEGEND:

- SOX — SILT SOX (SEE DETAIL 7/C7.31)
- SF — SILT FENCE (SEE DETAIL 1/C7.31)
- OP — RIP-RAP OUTLET PROTECTION (SEE DETAIL 4/C7.31)
- FR — INLET PROTECTION (SEE DETAIL 2/C7.31)
- CE — CONSTRUCTION ENTRANCE (SEE DETAIL 5/C7.31)
- CO — CONCRETE WASHOUT (SEE DETAIL 4 SHEET C7.02)



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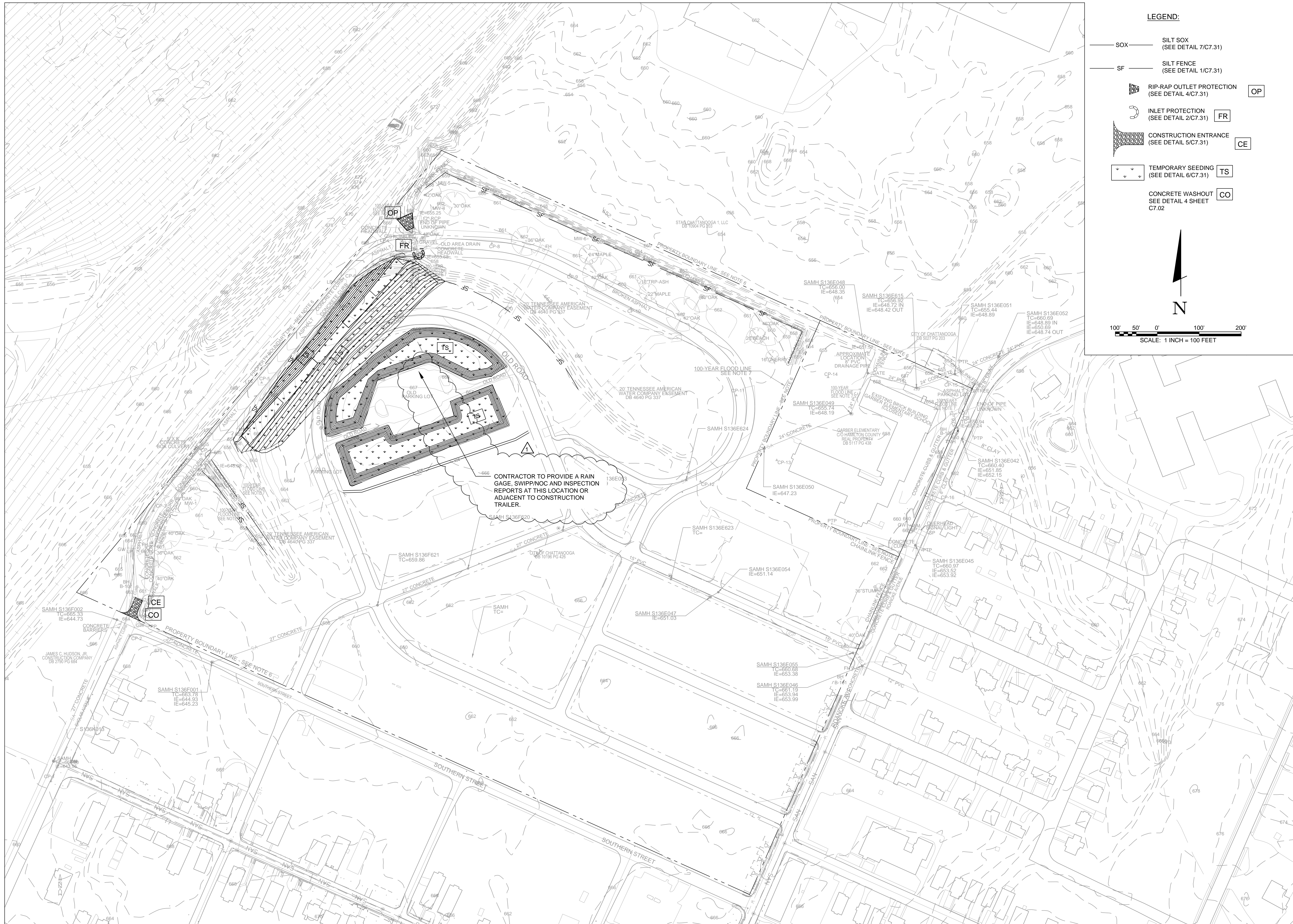
INITIAL EROSION CONTROL PLAN

**GRAVITY SEWER RELOCATION
FORMER HARRIET TUBMAN HOMES SITE
CHATTANOOGA, TN**

REVISION INFORMATION	NO.	DATE	DESCRIPTION
DR	0	07/18/2019	ISSUED FOR BIDDING
CHK	1	08/07/2019	ADDENDUM 2

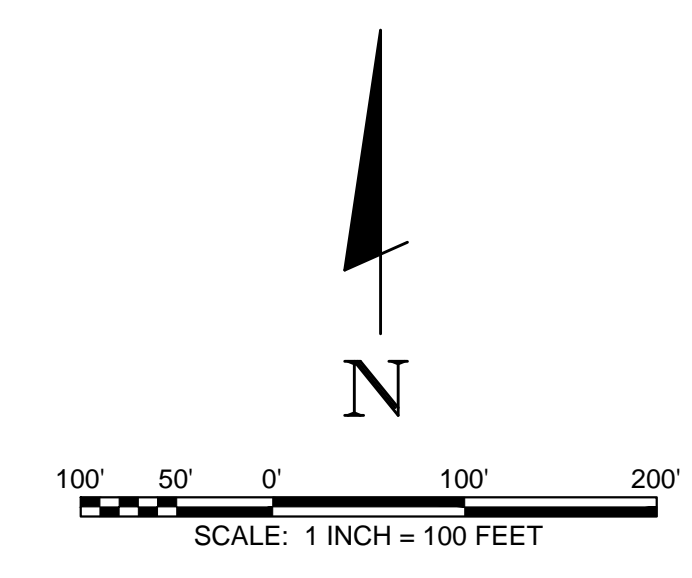
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PLOTTED: 8/7/2019



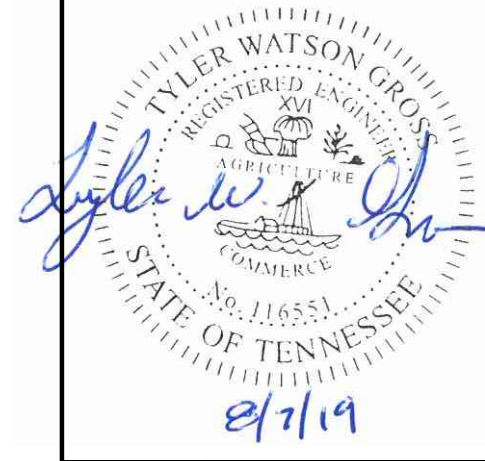
LEGEND:

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- SF — SILT FENCE (SEE DETAIL 1/C7.31)
- OP — RIP-RAP OUTLET PROTECTION (SEE DETAIL 4/C7.31)
- FR — INLET PROTECTION (SEE DETAIL 2/C7.31)
- CE — CONSTRUCTION ENTRANCE (SEE DETAIL 5/C7.31)
- TS — TEMPORARY SEEDING (SEE DETAIL 6/C7.31)
- CO — CONCRETE WASHOUT (SEE DETAIL 4 SHEET C7.02)



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INTERMEDIATE EROSION CONTROL PLAN

GRAVITY SEWER RELOCATION
FORMER HARRIET TUBMAN HOMES SITE
CHATTANOOGA, TN

REV.	DR.	CHK.	DATE	DESCRIPTION
0	BSP	TWG	07/18/2019	ISSUED FOR BIDDING
1	BSP	TWG	08/07/2019	ADDENDUM 2

C2.41
FILE NO. 36535-01

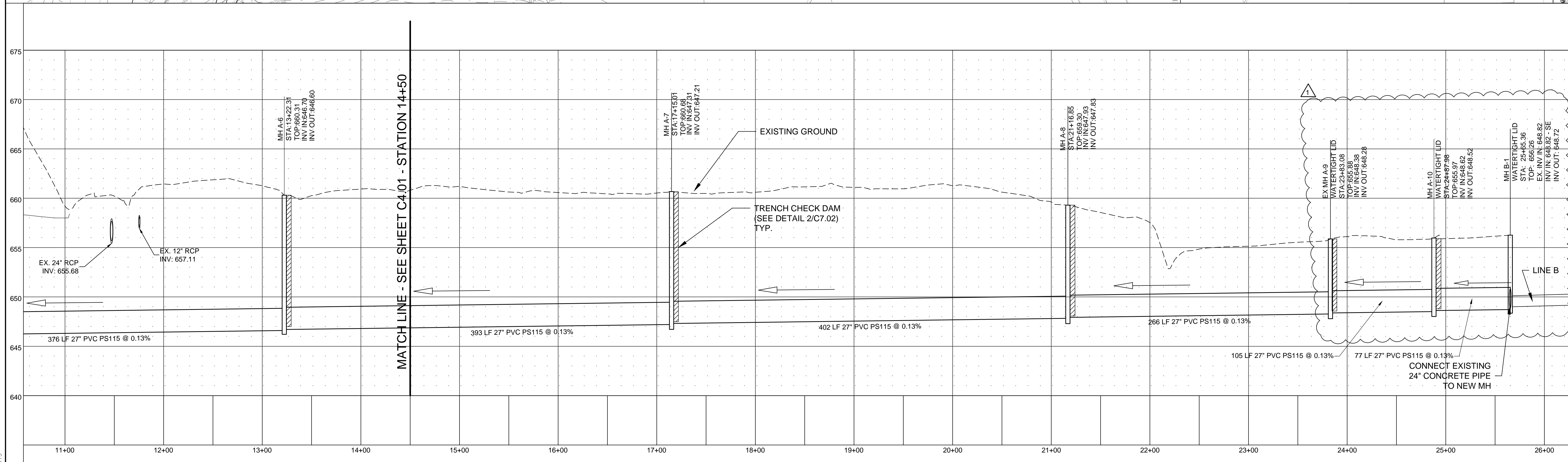
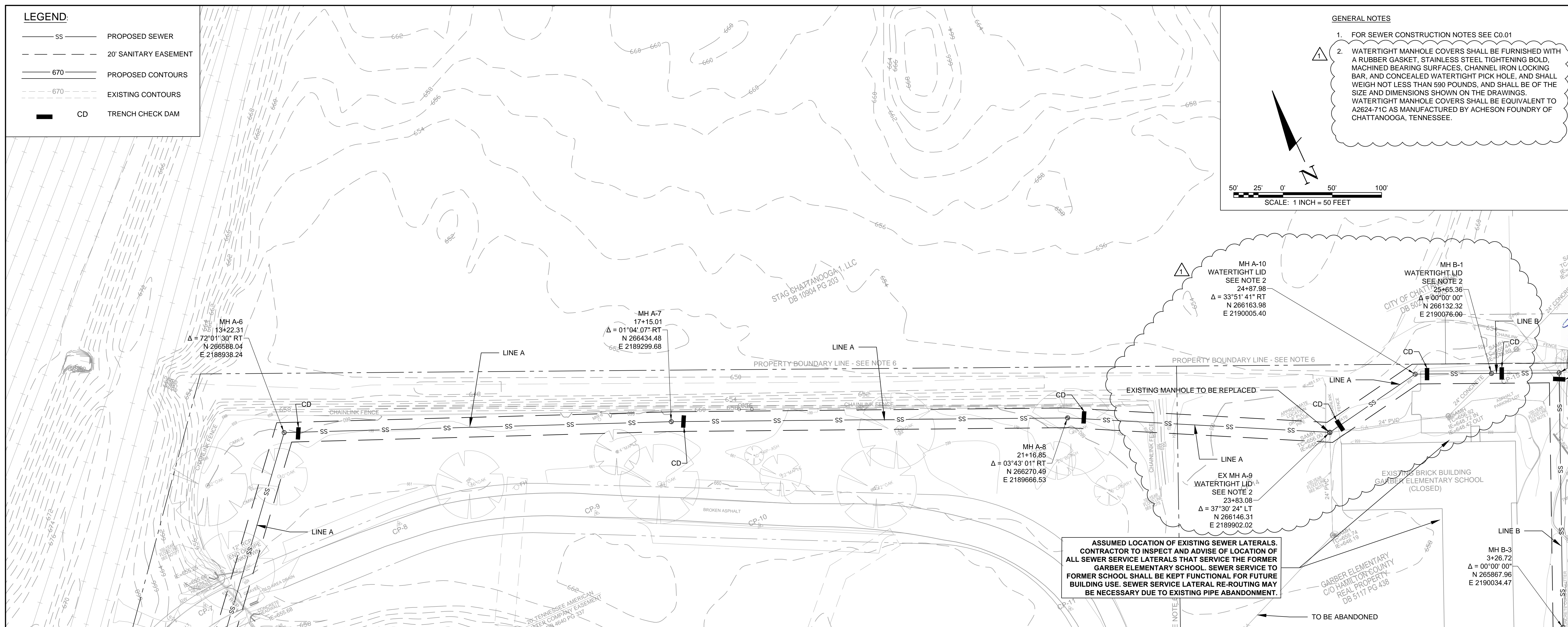
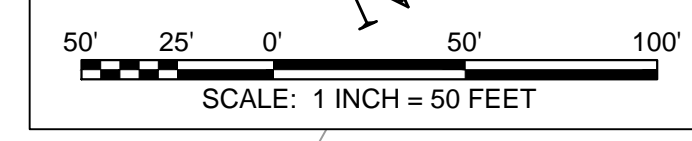
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SAVED: 8/7/2019
PLOTTED: 8/7/2019

LEGEND:

SS	PROPOSED SEWER
---	20' SANITARY EASEMENT
---	PROPOSED CONTOURS
---	EXISTING CONTOURS
CD	TRENCH CHECK DAM

GENERAL NOTES

- FOR SEWER CONSTRUCTION NOTES SEE C0.01
- WATERTIGHT MANHOLE COVERS SHALL BE FURNISHED WITH A RUBBER GASKET, STAINLESS STEEL TIGHTENING BOLD, MACHINED BEARING SURFACES, CHANNEL IRON LOCKING BAR, AND CONCEALED WATERTIGHT PICK HOLE, AND SHALL WEIGH NOT LESS THAN 590 POUNDS, AND SHALL BE OF THE SIZE AND DIMENSIONS SHOWN ON THE DRAWINGS. WATERTIGHT MANHOLE COVERS SHALL BE EQUIVALENT TO A2624-71C AS MANUFACTURED BY ACHESON FOUNDRY OF CHATTANOOGA, TENNESSEE.



ALIGNMENT - SANITARY SEWER LINE A PROFILE STA. -14+50 TO 25+72.65
SCALE 1" = 50' H
1" = 5 V

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STATE OF TENNESSEE
REGISTERED PROFESSIONAL ENGINEER
No. 116551
2/7/19

SEWER PLAN & PROFILE

GRAVITY SEWER RELOCATION

FORMER HARRIET TUBMAN HOMES SITE

CHATTANOOGA, TN

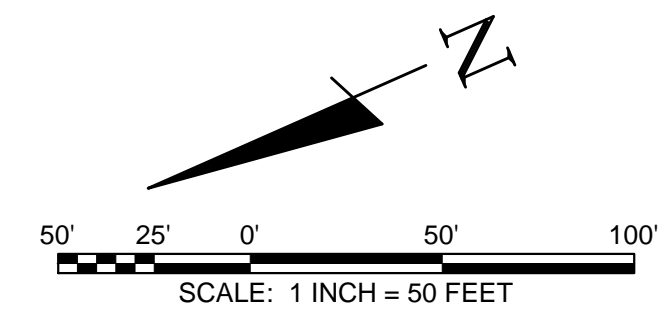
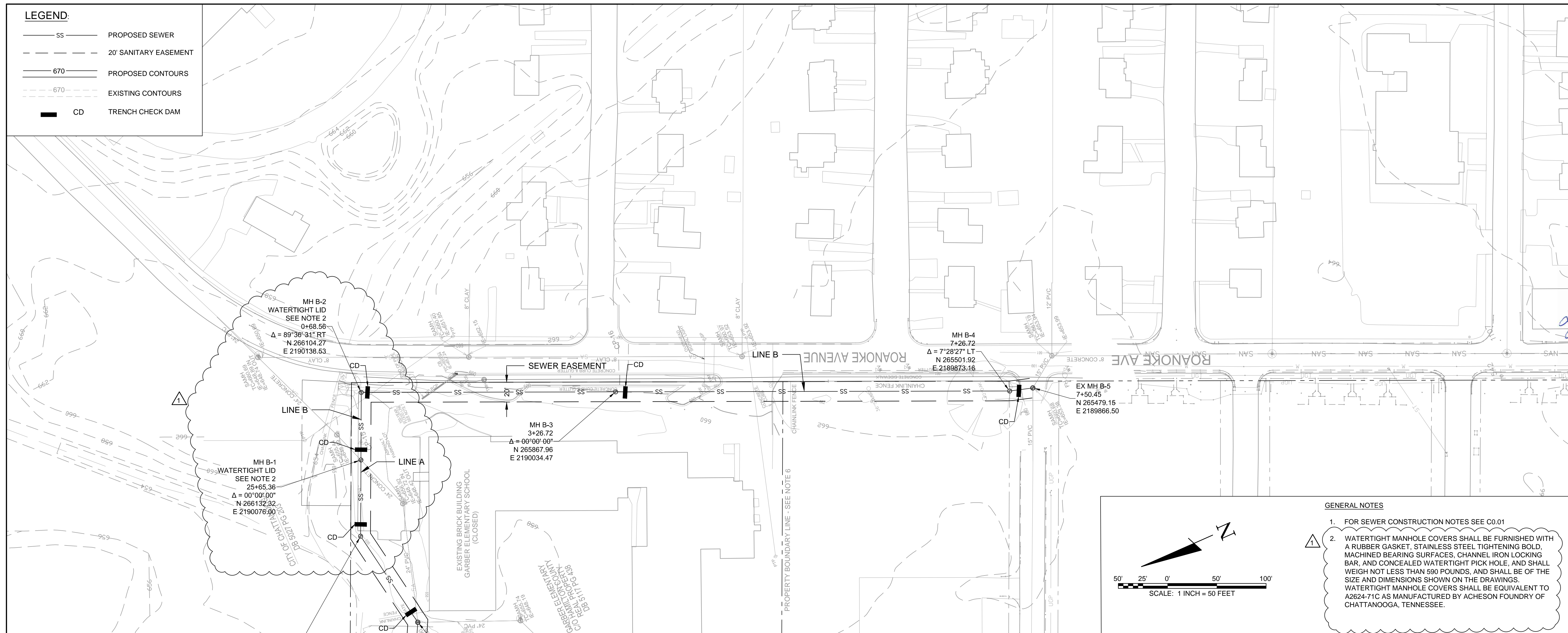
REVISION INFORMATION

REV.	DR.	CHK.	DATE	DESCRIPTION
1	BSP	TWS	08/07/2018	ADDENDUM 2

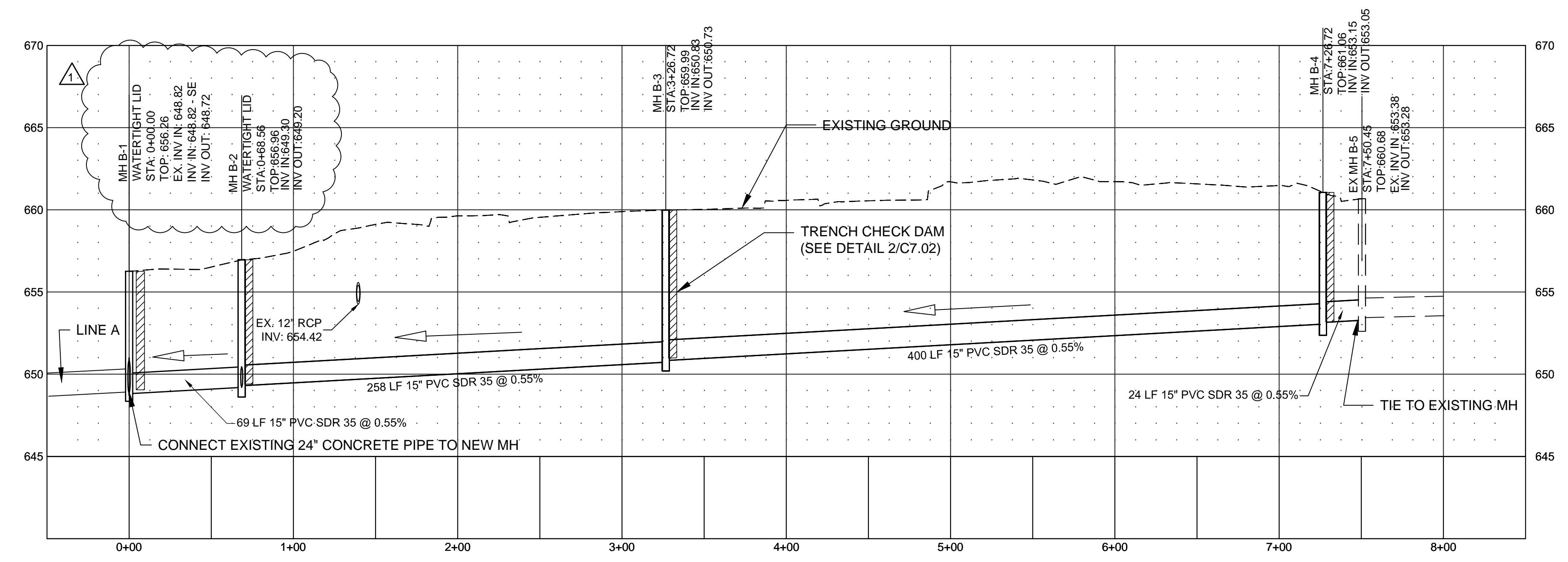
USER:RSPETERSON
FILE:V:\36535\36535-01\CADD\Civil\Plot\36535-01_C4.02.dwg
PLOT:08/07/2019 11:20:19

LEGEND:

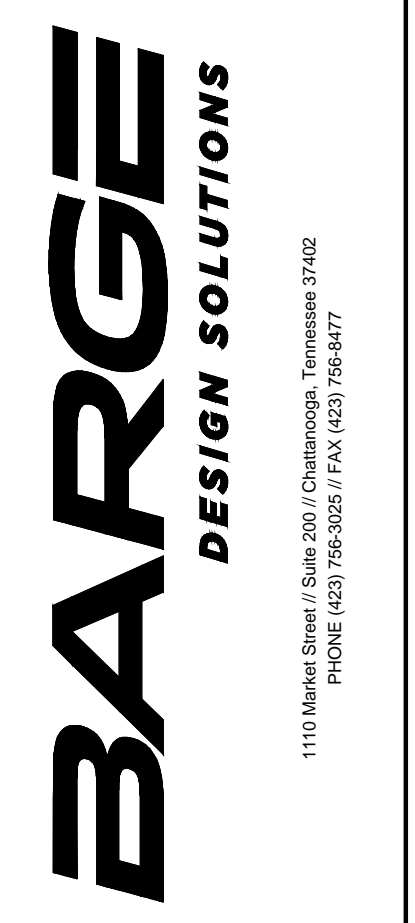
— SS —	PROPOSED SEWER
- - - -	20' SANITARY EASEMENT
— 670 —	PROPOSED CONTOURS
- - - - 670 - - - -	EXISTING CONTOURS
— CD —	TRENCH CHECK DAM



- GENERAL NOTES**
- FOR SEWER CONSTRUCTION NOTES SEE C0.01
 - WATERTIGHT MANHOLE COVERS SHALL BE FURNISHED WITH A RUBBER GASKET, STAINLESS STEEL TIGHTENING BOLD, MACHINED BEARING SURFACES, CHANNEL IRON LOCKING BAR, AND CONCEALED WATERTIGHT PICK HOLE, AND SHALL WEIGH NOT LESS THAN 590 POUNDS, AND SHALL BE OF THE SIZE AND DIMENSIONS SHOWN ON THE DRAWINGS. WATERTIGHT MANHOLE COVERS SHALL BE EQUIVALENT TO A2624-71C AS MANUFACTURED BY ACHESON FOUNDRY OF CHATTANOOGA, TENNESSEE.



ALIGNMENT - SANITARY SEWER LINE B PROFILE STA. -0+00 TO 8+50
SCALE 1" = 50' H
1" = 5' V



SEWER PLAN & PROFILE
GRAVITY SEWER RELOCATION
FORMER HARRIET TUBMAN HOMES SITE
CHATTANOOGA, TN

REV.	DATE	BY	CHK.	DESCRIPTION
1	07/18/2019	TWC	TWC	ISSUED FOR BIDDING
2	08/07/2019	TWC	TWC	ADDENDUM 2

C4.03
FILE NO. 36535-01

USER:RPETERSON
FILES:SA\36535\36535-01_C40\DWG\PILOT\36535-01_C403.dwg
SAVED:7/17/2019
PLOT:8/7/2019