

AS-BUILT DRAWINGS NOTE:

- AS-BUILT DRAWINGS SHALL CONSIST OF THE FOLLOWING:
 - FINISHED INVERT ELEVATIONS OF EACH MANHOLE AND TOP FINISHED GRADE ELEVATION OF EACH CASTING.
 - EACH MANHOLE, TEE, CLEANOUT, VALVE BOX, AND FITTINGS SHALL BE GPS LOCATED WITH XYZ COORDINATES TO INTERGRATE WITH HUD GIS SYSTEM. EACH LOCATED POINT SHALL BE INCLUDED IN A COMMA SEPARATED VALUE (.CSV), MICROSOFT EXCEL SPREADSHEET (.XLS), OR APPROVED FILE FORMAT. THE CSV FILE SHALL INCLUDE, AT MINIMUM, THE FOLLOWING INFORMATION:

POSITION/COLUMN	DESCRIPTION
1	POINT REFERENCE NUMBER
2	X COORDINATE (EASTING)
3	Y COORDINATE (NORTHING)
4	Z COORDINATE (ELEVATION)
5	POINT TYPE (MANHOLE, VALVE, METER, ETC.)
6	POINT DESCRIPTION
 - ALL SERVICES SHALL BE LOCATED (IN FEET) FROM THE NEAREST DOWNSTREAM MANHOLE OF EACH SECTION AND INCLUDE THE LENGTH AND DEPTH OF SERVICE.
 - FINAL TELEVIEWED DIGITAL LOG SHEET THAT INCLUDE THE DISTANCE TO EACH CLEANOUT AND HOUSE AND/OR LOT NUMBER ON DVD, OR CD OF EACH SEWER SECTION. (2 EACH)
 - ONE SET OF MYLAR PRINTS AND A PORTABLE DOCUMENT FILE (.PDF) FILE.
 - TEE LOCATION FORM IN DIGITAL FORMAT SHALL INCLUDE THE LINE DESIGNATION, STATION NUMBER, DISTANCE IN FEET FROM THE NEAREST DOWNSTREAM MANHOLE, LENGTH, DEPTH OF SERVICE AND LOT NUMBER.

FINAL ACCEPTANCE BY THE SEWER DEPARTMENT WILL BE MADE IN WRITING UPON SATISFACTORY COMPLETION OF THE PROJECT INCLUDING FINAL INSPECTION, SUBMITTAL OF ACCEPTABLE "AS-BUILT" DRAWINGS AND PAYMENT OF ALL FEES DUE. THE DEVELOPER/CONTRACTOR SHALL GUARANTEE THE WORK FOR A PERIOD OF ONE YEAR FROM THE DATE OF THE FINAL ACCEPTANCE AND SHALL IMMEDIATELY CORRECT ANY DEFICIENCIES IN THE WORK DUE TO MATERIALS AND/OR WORKMANSHIP WHICH OCCUR DURING THE GUARANTEE PERIOD. THE DATE OF FINAL ACCEPTANCE SHALL BE THAT DATE ON WHICH THE DEVELOPER/CONTRACTOR HAS FILLED ALL CONDITIONS NECESSARY FOR FINAL ACCEPTANCE INCLUDING PASSING A FINAL INSPECTION, SUBMITTAL OF ACCEPTABLE "AS-BUILT" DRAWINGS, AND PAYMENT OF ALL FEES DUE.

NOTE:
 CONTRACTOR TO TAKE EXTREME CARE WITH INFRASTRUCTURE ITEMS TO REMAIN IN PLACE AND UNDISTURBED SO NOT TO DAMAGE IN ANY MANNER ESPECIALLY PERTAINING TO ANY CSX EQUIPMENT. CONTRACTOR SHALL MAKE SURE TO KEEP CSX NOTIFIED OF ANY WORK GOING ON IN THIS AREA AT ALL TIMES IN CASE A REPRESENTATIVE MAY BE NEEDED ON SITE.

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 Know what's below.
 Call before you dig.

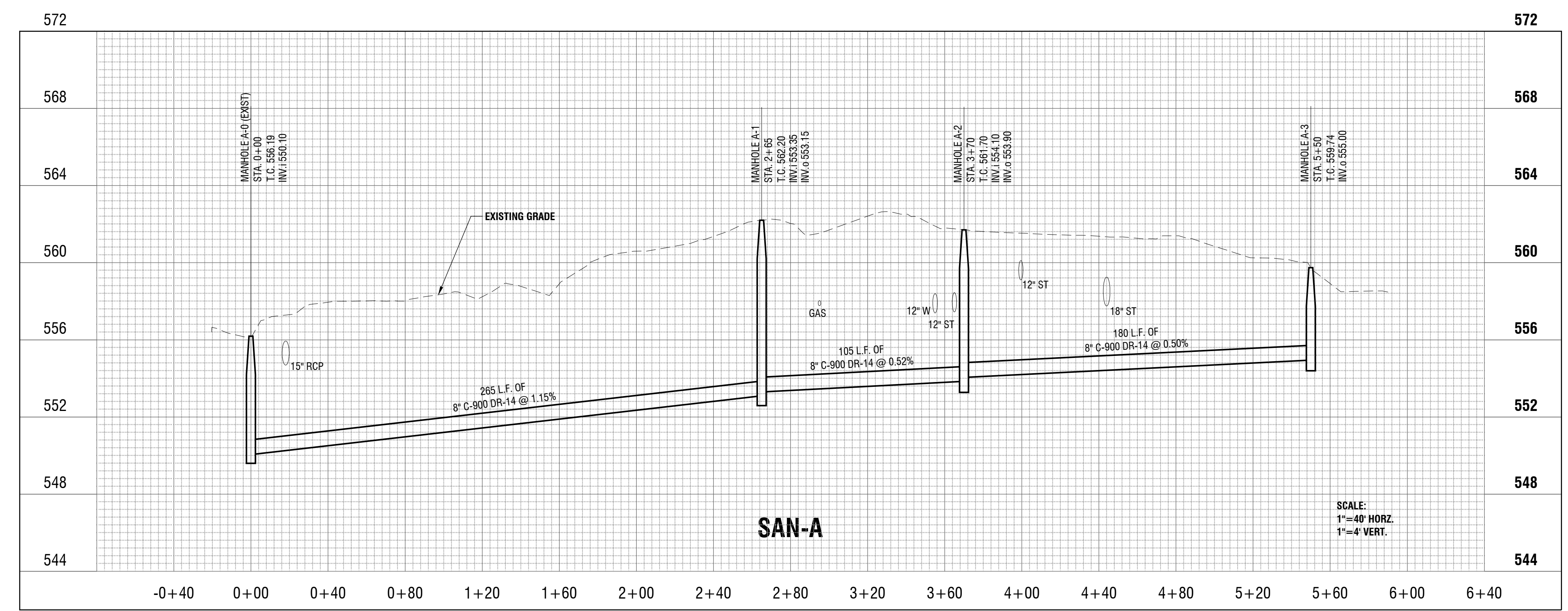
SOURCE OF VERTICAL DATUM:
 PROJECT BENCHMARK
 CHISLED 'X' ON FLANGE BOLT OF FIRE HYDRANT
 LOCATED AT THE NORTHEASTERN INTERSECTION
 OF EAST MAIN STREET AND SAUNDERSVILLE ROAD
 ELEVATION = 573.95 (NAVD 88)

VICINITY MAP

- FLOOD NOTE:**
 THE LAND DEPICTED HEREON IS LOCATED IN A FLOOD HAZARD ZONE 'X' AS SHOWN ON THE FLOOD INSURANCE RATE MAP COMMUNITY PANEL NO. 47165C0408G WHICH BEARS AN EFFECTIVE DATE OF APRIL 17, 2012.
- DISTURBED AREA:**
 TOTAL DISTURBED AREA = 0.35 ACRES ±
- SURVEY NOTE:**
 BASE INFORMATION WAS TAKEN FROM AN ALTA/ACSM LAND TITLE SURVEY PREPARED BY RAGAN SMITH DATED SEPTEMBER 08, 2015. DEVELOPMENT MANAGEMENT GROUP, LLC SHALL NOT BE HELD RESPONSIBLE FOR THE ACCURACY AND/OR COMPLETENESS OF THAT INFORMATION SHOWN HEREON OR ANY ERRORS OR OMISSIONS RESULTING FROM SUCH.

SITE UTILITY NOTES:

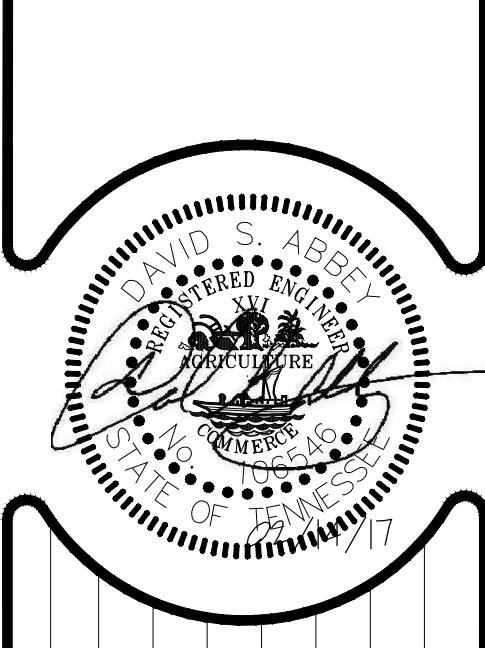
- THE SANITARY SEWER SHALL BE SDR 35 PVC UNLESS NOTED OTHERWISE. CONTRACTOR SHALL MARK THE LOCATION OF ALL NEW PVC LINES WITH 8" WIRE (16 GAUGE).
- PRIOR TO SUBMITTING HIS BID, THE CONTRACTOR WILL BE SOLELY RESPONSIBLE FOR CONTACTING OWNERS OF ALL AFFECTED UTILITIES IN ORDER TO DETERMINE THE EXTENT TO WHICH UTILITY RELOCATIONS AND/OR ADJUSTMENTS WILL HAVE UPON THE SCHEDULE OF WORK FOR THE PROJECT. WHILE SOME WORK MAY BE REQUIRED AROUND UTILITY FACILITIES THAT WILL REMAIN IN PLACE, OTHER UTILITY FACILITIES MAY NEED TO BE ADJUSTED CONCURRENTLY WITH THE CONTRACTOR'S OPERATIONS.
- THE CONTRACTOR SHALL MAINTAIN 10 FEET HORIZONTAL SEPARATION BETWEEN SANITARY SEWER LINES AND WATER LINES. WHERE THIS CRITERIA CANNOT BE MET, THE CONTRACTOR SHALL MAINTAIN 18" VERTICAL SEPARATION BETWEEN WATER AND SEWER LINES.
- THE CONTRACTOR IS RESPONSIBLE FOR LOCATING ALL CHARTED AND UNCHARTED UTILITIES. TAKE CARE TO PROTECT UTILITIES THAT ARE TO REMAIN. REPAIR ANY DAMAGE ACCORDING TO LOCAL STANDARDS AND AT THE CONTRACTOR'S EXPENSE. COORDINATE ALL CONSTRUCTION WITH THE APPROPRIATE UTILITY COMPANY.
- THE CONTRACTOR SHALL BE RESPONSIBLE FOR COORDINATING THE SEQUENCING OF CONSTRUCTION FOR ALL UTILITY LINES SO THAT WATER LINES DO NOT CONFLICT WITH SANITARY SEWERS, SANITARY SEWER SERVICES, STORM SEWERS, OR ANY OTHER UTILITY OR STRUCTURE, EXISTING OR PROPOSED.
- THE LOCATION OF EXISTING UTILITIES SHOWN ON THESE PLANS ARE APPROXIMATE ONLY. THE CONTRACTOR SHALL NOTIFY EACH INDIVIDUAL UTILITY OWNER OF HIS PLAN OF OPERATION IN THE AREA OF THE UTILITIES. PRIOR TO COMMENCING WORK, THE CONTRACTOR SHALL CONTACT THE UTILITY ON THE GROUND. THIS NOTIFICATION SHALL BE GIVEN AT LEAST THREE (3) BUSINESS DAYS PRIOR TO COMMENCEMENT OF OPERATIONS AROUND THE UTILITY.
- BEFORE CONNECTIONS ARE MADE INTO EXISTING UTILITIES, THE NEW LINES ARE TO BE FLUSHED AND TESTED BY THE CONTRACTOR IN ACCORDANCE WITH HENDERSONVILLE UTILITY DISTRICT SPECIFICATIONS.
- ALL TRENCHES CUT IN EXISTING ROADS OR DRIVES SHALL UTILIZE A CLEAN SAW CUT AND SHALL BE BACKFILLED (100%) TO FINAL SUBGRADE WITH #57 STONE.
- REPAIR ALL DAMAGE TO EXISTING FEATURES (i.e. DRIVES, ROADS, YARDS, LANDSCAPING, ETC...) TO PRE-CONSTRUCTION CONDITION.
- THE CONTRACTOR SHALL COMPLY WITH ALL PERTINENT PROVISIONS OF THE MANUAL OF ACCIDENT PREVENTION AND CONSTRUCTION ISSUED BY AGC OF AMERICA.
- THE CONTRACTOR SHALL VERIFY REQUIRED PIPE LENGTHS, EXISTING PIPE MATERIAL AND SIZES AS SHOWN ON PLANS.
- REPAIR EXISTING SITE FEATURES THAT ARE DAMAGED BY CONSTRUCTION ACTIVITIES TO A LIKE NEW CONDITION AT NO ADDITIONAL COST TO THE OWNER.
- THE CONTRACTOR WILL PROVIDE ALL NECESSARY PROTECTIVE MEASURES TO SAFE GUARD EXISTING UTILITIES FROM DAMAGE DURING CONSTRUCTION OF THIS PROJECT. IN THE EVENT THAT SPECIAL EQUIPMENT IS REQUIRED TO WORK OVER AND AROUND THE UTILITIES, THE CONTRACTOR WILL BE REQUIRED TO FURNISH SUCH EQUIPMENT AT NO ADDITIONAL COST TO THE OWNER.
- CONTRACTORS FOR SEWER WORK MUST BE APPROVED BY HENDERSONVILLE UTILITY DISTRICT.
- ALL SEWER LINES AND APPURTENANCES SHALL BE OF MATERIALS AND CONSTRUCTION THAT CONFORM TO HENDERSONVILLE UTILITY DISTRICT SPECIFICATIONS.
- THE CONTRACTOR SHALL FIELD VERIFY THE EXACT HORIZONTAL AND VERTICAL LOCATION OF EXISTING MANHOLES OR SANITARY SEWER LINES AT THE POINT OF CONNECTION PRIOR TO THE COMMENCEMENT OF ORDERING OF MATERIALS. CONSTRUCTION OR REPORT ANY DISCREPANCIES TO THE ENGINEER IMMEDIATELY.
- SEWER TAPS WILL BE MADE BY CONTRACTOR AND COORDINATED WITH HENDERSONVILLE UTILITY DISTRICT.



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SANITARY SEWER INFRASTRUCTURE IMPROVEMENTS
 EAST MAIN STREET
 HENDERSONVILLE, TENNESSEE



NO.	DATE	DESCRIPTION

DATE: 02-14-17
 DMG Project No.: 16219

SANITARY SEWER MAIN EXTENSION
C3-0