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## GENERAL NOTES:

- The Contractor shall comply with all applicable safety regulations. All construction shall be completed following current City Standard Specifications and Special Provisions.
- Contractor will be required to provide notice to utility companies a minimum of seventy-two (72) hours prior to any excavation, as follows:  

Kansas One-Call	887-2470
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The Contractor must notify the following in case of an emergency:

AT&T	1-800-246-8464
Black Hills Energy	1-800-694-8989
City of Wichita Water & Sewer	1-316-219-8921
City of Wichita Stormwater	1-316-268-4090
City of Wichita Traffic	1-316-268-4034
Cox Communications	1-888-249-3530
Kansas Gas Service	1-888-492-4050
Westar Energy	1-800-544-4857
- Utility service lines, poles, etc. are to be adjusted as necessary by others prior to construction unless the plans specifically call for their adjustment by the Contractor or unless the plans specifically identify a utility to be adjusted by its owner during construction. Existing utilities and their location, as shown on the plans, represent the best information obtainable for design. The Contractor will be required to work around existing utilities within the right-of-way which do not conflict with proposed construction.
- Rubble from the removal of miscellaneous structures and excess excavation which is to be wasted shall be disposed of on sites to be provided by the Contractor. These sites shall be approved by the Engineer as to suitability, appearance and site location. Locations, in the opinion of the Engineer, that will leave an unsightly appearance will not be approved. All disposal sites must be approved by the Kansas Department of Health and Environment. Material either stockpiled or disposed of in a flood plain will require a Kansas State Board of Agriculture permit. Any material buried or stockpiled beyond approved construction limits will require additional archaeological investigations unless buried in a previously approved borrow location.
- Trees and shrubs in public right-of-way which are in direct conflict with proposed new construction shall be removed by the Contractor with the City Engineer's approval. Trees and shrubs which are not in direct conflict with proposed new construction shall be saved and protected from damage.
- The Contractor shall give all property owners and/or tenants of developed property abutting the construction of this project a minimum of ten (10) days notice prior to start of construction.
- The Contractor shall be responsible for preserving property irons. The Contractor will be required to re-establish any property irons which are damaged or destroyed by his construction operations. Such irons shall be re-established by a licensed land surveyor in accordance with state laws.
- The Engineering Division shall field locate water valves one time during construction when requested by the Contractor. It shall be the Contractor's responsibility to preserve such field locations during the construction process. Water valves, valve boxes or fire hydrants damaged during construction shall be repaired by Contractor at his own expense. Valve boxes and water meters within the project limits shall be adjusted to match final grades by the contractor.
- The Contractor shall notify the inspecting engineer and Tom Mason at 316-268-4574 with the City of Wichita with the anticipated construction start date and notify them of project completion. Staking and inspection for this project will be the responsibility of the Contractor.
- If traffic will be impacted by construction, a traffic control plan must be submitted and approved by the City Traffic Engineer, Brian Coon at [traffic@wichita.gov](mailto:traffic@wichita.gov) before construction can begin. The Contractor shall be responsible for all traffic control measures to facilitate construction. All construction zone markings and signage shall conform to the latest version of the Manual on Uniform Traffic Control Devices (MUTCD) as published by the US Dept. of Transportation, Federal Highway Administration. All costs associated with construction markings and signage shall be the Contractors responsibility.
- All elevations shown are NAVD 88.
- All areas disturbed during construction that will not be under proposed pavement shall be restored to match existing conditions.
- Any sidewalk, drive approach, curb, or street pavement removed to construct project must have a pavement cut permit and be replaced by the City contractor. Permits can be obtained by calling 316-268-4501 or 316-268-4480.
- All applicable fees (top, equity, in lieu of & main benefit) must be paid before any connections can be made on this project. Quotes can be obtained on fees by calling 316-268-4555.
- City Maintenance of sanitary sewer mains ends at last structure within the easement or right-of-way.
- All stubs and capped pipes shall be located with green plastic tape in the same manner as risers.
- Connecting to Existing Manholes: Prior to laying sewer lines using existing stubs in existing manholes, the Contractor shall expose and verify the elevation, grade and alignment of existing stubs and notify the Engineer of any deviation from the plans. Where the stub is unusable due to elevation grade or alignment, the Contractor shall remove the stub and plug the hole, and reshape the existing manhole invert to provide smooth flow. Where connecting to an existing manhole that does not have an existing stub, the Contractor shall core cut into existing manhole wall to make connection using approved water stop gasket, and reshape the existing manhole invert to provide smooth flow. The cost to connecting to existing manholes is incidental to the project.
- Contractor shall limit the extent of trench open overnight and weekends to less than 50 feet.
- Contractor shall provide positive drainage away from all manhole covers.
- The Contractor shall prevent any construction debris from entering the existing sanitary sewer during construction.
- The Contractor shall be responsible for maintaining continuous flow of sewage through construction. Contractors proposed method for maintaining sewage flow shall be submitted and approved by the Sewer Maintenance Division (316-268-4073) prior to starting and by-passing of sewage flows.
- Any over excavation from manhole and pipe removal shall be backfilled with AB-3 compacted to 90-95% ASTM D698.
- The Contractor shall protect from damage and support existing utilities through construction as approved by the utility owner and the Engineer at the contractors expense.

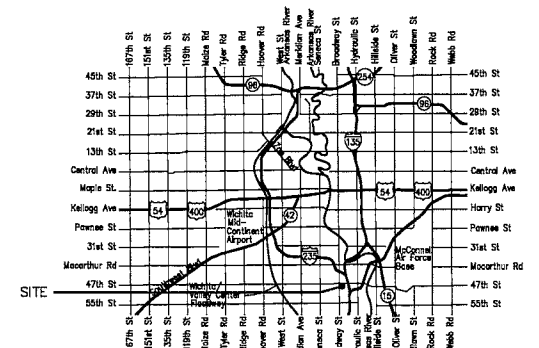
**Summary Table:**  
**8" PVC = 168 LF**  
**SS MH = 1 Each**

### Benchmarks

BM#900: Northing 1657310.49, Easting 1651102.38. Chiseled square on SE corner of SW Inlet, 1st Inlet W of NE entrance, S side of 47th. Elev. = 1272.09 NAVD88  
 BM#901: Northing 1657075.42, Easting 1650348.46. Chiseled square on top of curb at the SW corner of McDonalds lot and E. side of Broadway. Elev. = 1274.44 NAVD88  
 BM#902: Northing 1658473.65, Easting 1650348.45. Chiseled square on front center of Inlet south of SW entrance at SW corner of lot by Carlos O Kelly's. Elev. = 1274.72 NAVD88

# SANITARY SEWER to serve **CSL Plasma** SADDLE CREEK ADDITION 4830 SOUTH BROADWAY CITY OF WICHITA, KANSAS

Gary Janzen, P.E. City Engineer  
 Project Number  
 2388 PPS (184011)

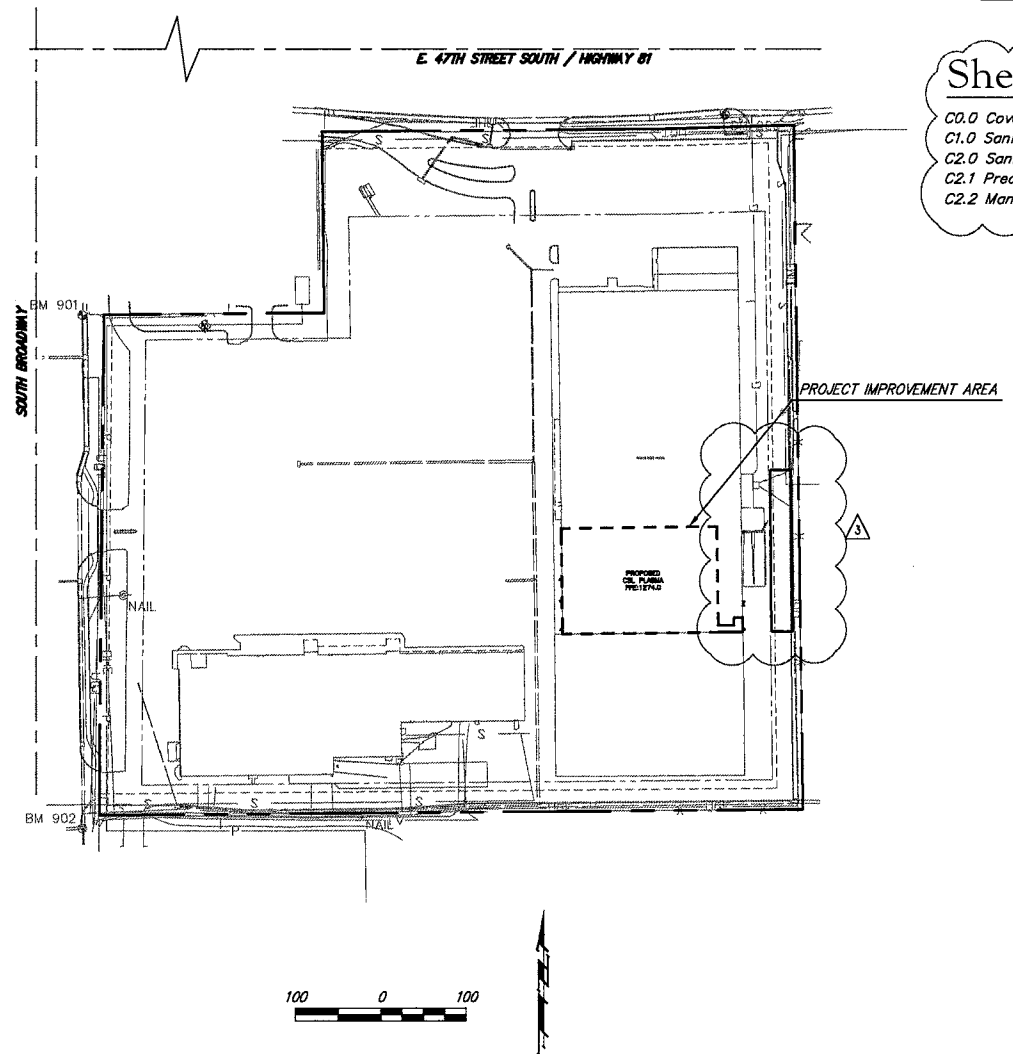


### Vicinity Map

T. Mason - City of Wichita, Inspector  
 Stub  
 Release Date: 11/8/19  
 : 11/8/2019 apr

### Sheet Index

- C0.0 Cover Sheet
- C1.0 Sanitary Sewer Plan & Profile
- C2.0 Sanitary Sewer Details
- C2.1 Precast Sanitary Sewer Manhole Detail
- C2.2 Manhole Frame & Manhole (Sanitary Sewer) Detail



APPROVED AS NOTED  
 BY WICHITA PUBLIC WORKS  
 ENGINEERING DIVISION

Engineering: [APPROVED]

Utilities: [APPROVED]

NOTE TO CONTRACTORS

Inspection and testing for this project is to be provided by a Licensed Consulting Engineering Firm under contract with the Owner/Developer. Said inspection to be in accordance with the City of Wichita standard construction engineering practices and certified by a Licensed Professional Engineer in the state of Kansas. No work shall be performed by the Contractor without such inspection nor shall any work be commenced without written authorization by City Engineering. All Construction and Materials shall comply with the current City of Wichita Specifications and Standards and Special Provisions. (on file and available at Wichita.gov).

An approved copy of these plans signed by City staff are required on-site.

May 2019  
 Design Consultants

ARCHITECT: NOVUS ARCHITECTS  
 900 JOHNNIE DODDS BLVD. SUITE 200  
 P.O. BOX 1005  
 MT. PLEASANT, SC 29468  
 843.849.7407

CIVIL ENGINEER: BRITT, PETERS & ASSOCIATES, INC  
 101 FALLS PARK DRIVE SUITE 601  
 GREENVILLE, SC 29601  
 864.271.8869

**AS-BUILTS**  
**Contractor: Buck Plumbing, Inc.**  
**Superintendent: Brannon Cole 316-200-2804**  
**Inspector: Dean Wallace / CED**  
**Date of Completion: 10-25-2019**

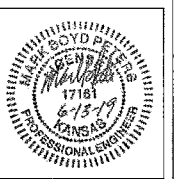


BRITT PETERS  
 AND  
 ASSOCIATES  
 INC.  
 consulting engineers

101 Falls Park Drive  
 Suite 601  
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 (864) 271-8869  
 Fax (864) 233-5140  
 www.brittpeters.com  
 BPA Job #: 190167



CHARLESTON  
 ASHEVILLE  
 ATLANTA  
 NOVUSARCHITECTS.COM



CSL Plasma

CSL NEW CENTER - WICHITA, KS  
 4830 S. BROADWAY AVE.  
 WICHITA, KS 67216  
 COVER SHEET

No.	Description	Date
2	Addendum #2	05/16/19
3	Addendum #3	06/10/19
4	CR #1	06/19/19

DRAWN BY: TAH  
 CHECKED BY: JAC  
 DATE: 04/22/2019  
 NOVUS JOB NUMBER  
 2001.1013.39  
 SHEET NUMBER  
**C0.0**

CONSTRUCTION DOCUMENTS

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**DEMOLITION NOTES**

1. THE LOCATIONS OF ALL UTILITIES SHOWN ON THESE PLANS ARE BASED ON THE AVAILABLE INFORMATION. THE CONTRACTOR SHALL VERIFY THE EXACT LOCATION OF UTILITIES WITH THE UTILITY OWNERS PRIOR TO COMMENCEMENT OF CONSTRUCTION.
2. VERIFY ALL DEMOLITION IN THE RIGHT OF WAY WITH THE APPROVED ENCROACHMENT PERMIT.
3. THE CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING ALL NECESSARY DUMPING OR BURNING PERMITS.
4. ALL EXISTING TO REMAIN SHALL BE PROTECTED FROM DAMAGE. IN THE EVENT THAT EXISTING ITEMS TO REMAIN ARE DAMAGED, THE CONTRACTOR SHALL REPAIR OR REPLACE THE ITEM AT NO COST TO THE OWNER.
5. THE CONTRACTOR SHALL REMOVE ALL TREES AND VEGETATION WITHIN THE LIMITS OF DISTURBANCE AND NOT NOTED TO BE PROTECTED. REMOVE DEBRIS FROM SITE OR BURN IN ACCORDANCE WITH LOCAL LAWS.
6. CONTRACTOR SHALL BE RESPONSIBLE FOR ALL RELOCATIONS (UNLESS OTHERWISE NOTED ON THE PLANS) INCLUDING, BUT NOT LIMITED TO, ALL UTILITIES, STORM DRAINAGE, SIGNS, TRAFFIC SIGNALS AND POLES, ETC. AS REQUIRED. ALL WORK SHALL BE IN ACCORDANCE WITH GOVERNING AUTHORITY'S REQUIREMENTS AND PROJECT SITE WORK SPECIFICATIONS AND SHALL BE APPROVED BY SUCH. ALL COST SHALL BE INCLUDED IN THE BASE BID.
7. ALL DEPRESSIONS FORMED BY DEMOLITION SHALL BE FILLED.

**SITE NOTES**

1. EXISTING SITE CONDITIONS SHALL BE VERIFIED PRIOR TO CONSTRUCTION. THE CONTRACTOR SHALL REPORT ANY DIFFERENCES FROM THE PLAN THAT WILL AFFECT CONSTRUCTION IN WRITING TO THE ENGINEER AND AWAIT FURTHER INSTRUCTIONS.
2. BEFORE COMMENCEMENT OF WORK, THE CONTRACTOR SHALL REVIEW ALL PLANS AND SPECIFICATIONS AND THE JOB SITE. THE CONTRACTOR SHALL NOTIFY THE OWNER AND THE ENGINEER WHO PREPARED THE PLANS OF ANY DISCREPANCIES THAT MAY REQUIRE MODIFICATIONS TO THESE PLANS OR OF ANY FIELD CONFLICTS.
3. ALL WORK IN THE RIGHT OF WAY SHALL BE VERIFIED WITH THE APPROVED ENCROACHMENT PERMIT PRIOR TO COMMENCING WORK.
4. ALL PERMITS RELATIVE TO THE PROJECT MUST BE OBTAINED PRIOR TO CONSTRUCTION. ALL CONSTRUCTION TO BE IN ACCORDANCE WITH PERMITS ISSUED AND APPLICABLE STATE, COUNTY AND LOCAL CODES.
5. ALL DIMENSIONS SHOWN ON THE DRAWINGS ARE MEASURED FROM OUTSIDE FACE OF BUILDING WALL, FACE OF CURB LINE, OR PROPERTY LINE UNLESS OTHERWISE NOTED.
6. AN ELECTRONIC FILE OF THE SITE PLAN SHALL BE MADE AVAILABLE FOR STAKING PURPOSES.
7. ALL REFERENCE TO STATE STANDARDS AND SPECIFICATIONS ARE MADE FROM THE KANSAS HIGHWAY DEPARTMENT'S STANDARD SPECIFICATION, LATEST EDITION.
8. IF ANY CONFLICTS BETWEEN THE NOTES, DETAILS, SPECIFICATIONS, AND DRAWINGS OCCUR THEN BY RULE THE STRINGER SHALL PREVAIL.
9. THE CONTRACTOR SHALL MAINTAIN AN "AS BUILT" SET OF DRAWINGS TO RECORD THE EXACT LOCATION OF ALL PIPING PRIOR TO CONCEALMENT. DRAWINGS SHALL BE GIVEN TO THE OWNER UPON COMPLETION OF THE PROJECT.
10. ALL WORK AND MATERIALS SHALL COMPLY WITH ALL CITY/COUNTY REGULATIONS AND CODES AND OSHA STANDARDS.
11. THE CONTRACTOR IS EXCLUSIVELY RESPONSIBLE FOR THE CONDITION OF THE SITE, INCLUDING SAFETY OF ALL PERSONS AND PROPERTY THROUGHOUT THE TERM OF THE PROJECT CONSTRUCTION.
12. THE ENGINEER'S REVIEW OF THE CONTRACTOR'S WORK PRODUCT AND PERFORMANCE WILL NOT INCLUDE REVIEW OF THE CONTRACTOR'S SAFETY PROGRAMS. SUCH REVIEWS ARE TO BE BY OSHA INSPECTORS AND THE OWNER'S REPRESENTATIVE.
13. THE CONTRACTOR IS RESPONSIBLE FOR PROMOTING AND MAINTAINING ALL NECESSARY TRAFFIC CONTROL DEVICES DURING CONSTRUCTION. UNDER NO CIRCUMSTANCES SHALL EQUIPMENT BE LOADED OR OFF-LOADED ON AN OPEN ROADWAY. IF SUCH ACTIVITY IS REQUIRED THE CONTRACTOR SHALL COORDINATE SHUTTING DOWN THE ROAD WITH THE APPROPRIATE DOT AND UTILIZE APPROPRIATE TRAFFIC CONTROL WARNING DEVICES.
14. THE GENERAL CONTRACTOR SHALL CONTACT ALL OWNERS OF EASEMENTS, UTILITIES AND RIGHT-OF-WAYS, PUBLIC OR PRIVATE, PRIOR TO WORKING IN THESE AREAS. ACCESS SHALL BE LIMITED UNTIL PERMISSION IS GRANTED.
15. THE GENERAL CONTRACTOR SHALL KEEP THE AREA OUTSIDE THE "CONSTRUCTION LIMITS" BROOM CLEAN AT ALL TIMES AND REMOVE ALL TRASH AND DEBRIS FROM THE SITE.

**UTILITY NOTES**

**GENERAL:**

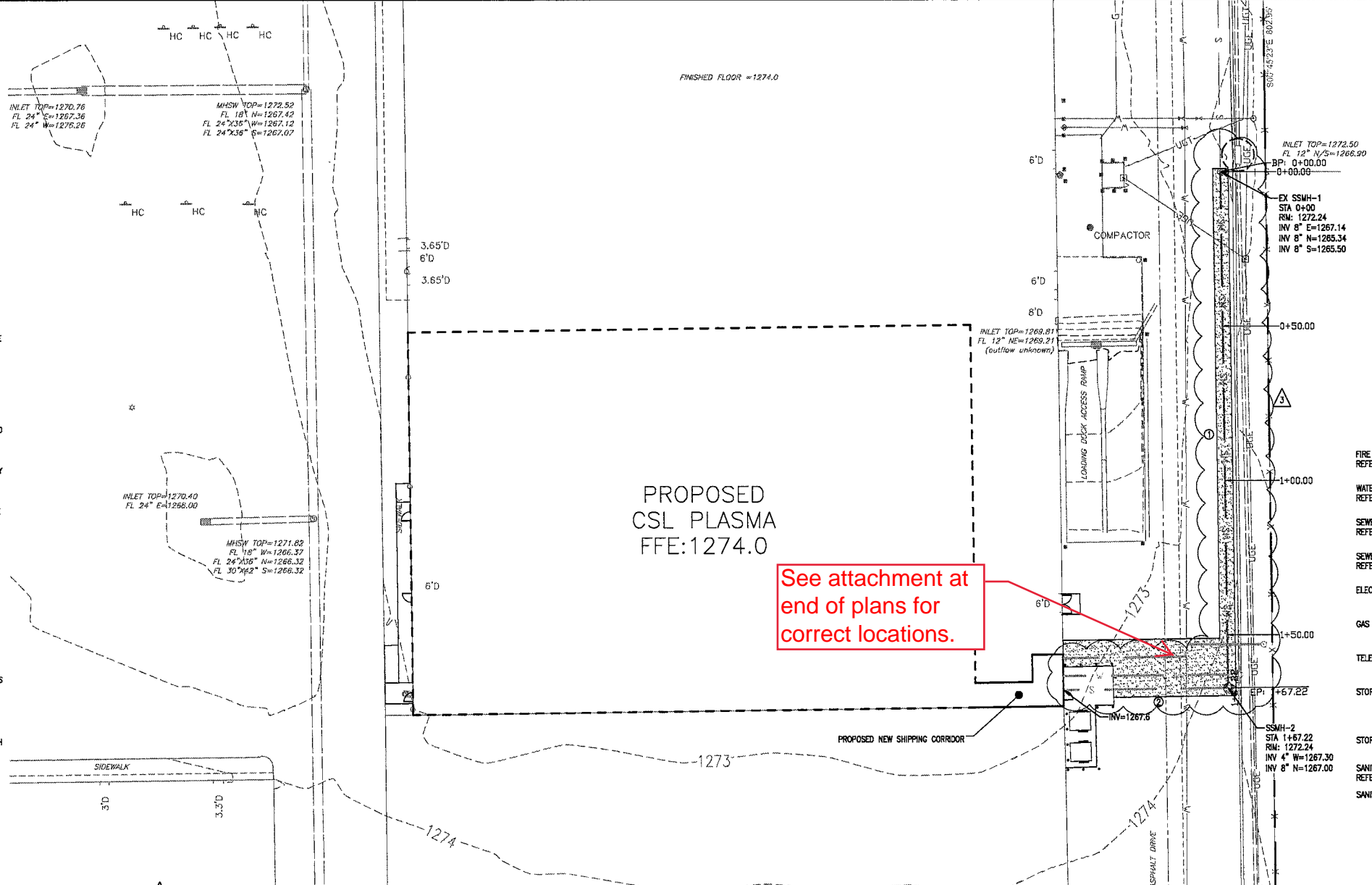
1. ALL FILL MATERIAL IS TO BE IN PLACE AND COMPACTED BEFORE INSTALLATION OF PROPOSED UTILITIES.
2. CONTRACTOR SHALL HIRE A CERTIFIED UTILITY INSPECTOR PRIOR TO CONSTRUCTION.
3. TOPS OF EXISTING MANHOLES SHALL BE RAISED AS NECESSARY TO BE FLUSH WITH PROPOSED PAVEMENT ELEVATIONS, AND TO BE 6" ABOVE FINISHED GROUND ELEVATIONS.
4. CONTRACTOR IS RESPONSIBLE FOR ALL NECESSARY INSPECTIONS AND/OR CERTIFICATIONS REQUIRE BY CODES AND/OR UTILITY SERVICE COMPANIES.

**SANITARY SEWER:**

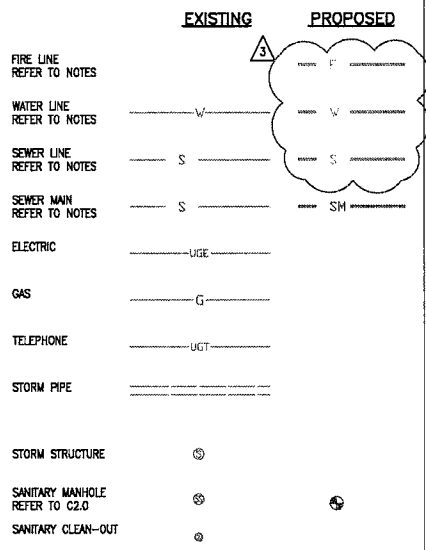
1. POLYVINYL CHLORIDE (P.V.C.) PIPE HAVING DIAMETERS OF EIGHT INCHES (8") OR GREATER SHALL HAVE ELASTOMERIC GASKETED JOINTS AND SHALL CONFORM TO THE LATEST REVISION OF ASTM D-3034 FOR 15-INCH AND SMALLER PIPE, AND TO ASTM F-499 FOR 18-INCH AND LARGER PIPE, AND SHALL BE RATED FOR SDR-35. ALL PVC PIPE SHALL BE INSTALLED IN ACCORDANCE WITH MANUFACTURER'S RECOMMENDATIONS. WATERSTOP GASKETS AROUND THE PIPE SHALL BE INSTALLED IN ALL MANHOLE WALLS. PVC PIPE SHALL BE INSTALLED WITH AN IMPROVED BEDDING IN ACCORDANCE WITH THE STANDARD DETAIL.
2. PIPE FURNISHED MAY BE P.V.C. PIPE MEETING THE REQUIREMENTS OF THE LATEST REVISION OF ASTM F789, UNLESS OTHERWISE NOTED ON THE PLANS. SUCH PIPE SHALL HAVE A CERTIFICATION OF COMPLIANCE EXECUTED BY AN ACCREDITED INDEPENDENT TESTING LABORATORY. PIPE JOINTS SHALL BE ELASTOMERIC GASKETED JOINTS MEETING THE REQUIREMENTS OF THE LATEST REVISION OF ASTM D-3212. SUCH PIPE SHALL BE INSTALLED IN CONFORMANCE WITH THE APPLICABLE REQUIREMENTS SPECIFIED FOR PVC PIPE IN THE PRECEDING PARAGRAPH. APPROVED WATERSTOP GASKETS SHALL BE FURNISHED AND INSTALLED ON THE PIPE IN ALL MANHOLE WALLS.

**PAVEMENT REPAIR**

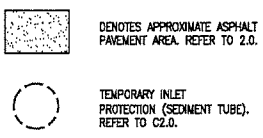
1. ALL PAVEMENT OR DRIVEWAY REPAIR SHALL EXTEND A MINIMUM OF ONE FOOT (1') BEYOND THE EDGE OF THE TRENCH.
2. NO.6 DEFORMED REINFORCING STEEL BARS SHALL BE PLACED ACROSS THE DITCH ON TWO-FOOT (2') CENTERS WITH THE BARS EXTENDING A MINIMUM OF ELEVEN INCHES (11") PAST THE EDGES OF THE TRENCH. TWO NO.6 LONGITUDINAL REINFORCING STEEL BARS SHALL BE PLACED PARALLEL WITH THE CENTERLINE OF THE TRENCH FOR THE FULL WIDTH OF THE PAVEMENT. ALL BAR CROSSINGS SHALL BE SECURELY FASTENED USING WIRE TIES.
3. THE PAVEMENT REPAIR SHALL BE TWO INCHES (2") THICKER THAN THE ORIGINAL PAVEMENT IN AN AREA OF ONE FOOT (1') BEYOND EITHER SIDE OF THE TRENCH. THE DIMENSIONS OF PAVEMENT, CURB, GUTTER, DRIVEWAYS AND SIDEWALK SHALL CONFORM TO CITY STANDARDS FOR THAT TYPE OF WORK EVEN THOUGH THOSE STRUCTURES REMOVED MAY NOT HAVE ORIGINALLY CONFORMED TO SUCH STANDARDS.
4. RECONSTRUCTION OF ASPHALTIC CONCRETE PAVEMENT SHALL CONFORM TO REQUIREMENTS IN SECTION 405 OF THE CITY OF WICHITA STANDARD SPECIFICATIONS.



**UTILITY LEGEND**

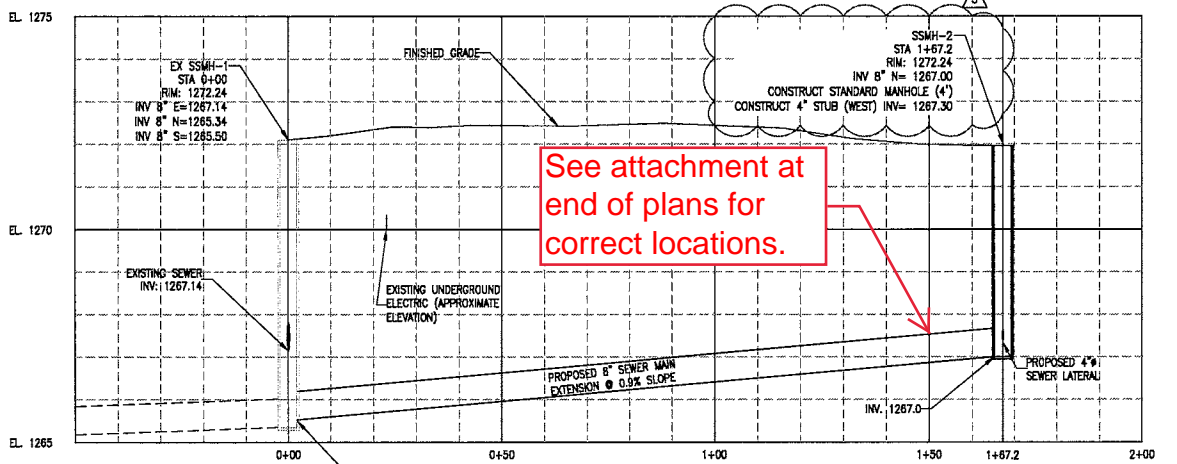


**LEGEND**



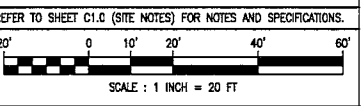
**KEYNOTES:**

1. INSTALL SEWER MAIN. REFER TO PROFILE. REMOVE AND REPLACE PAVEMENT AS NEEDED FOR SEWER INSTALLATION.
  2. SEWER LATERAL TO BE INSTALLED BY OTHERS.
- EX SSMH-1 NOTES:**
1. CITY OF WICHITA RECORDS INDICATE THIS IS AN ALL BRICK MANHOLE. CONTRACTOR TO VERIFY IN THE FIELD. CONNECT TO THE MANHOLE REMOVING BRICK AS NEEDED AND GROUTING THE OPEN AREAS AROUND THE PIPE.
  2. IF THE FRAME & COVER IS REMOVED FOR ANY ADJUSTMENT, CITY OF WICHITA REQUIRES THAT THE FRAME AND COVER BE REPLACED AND IN A MANNER THAT BRINGS THE TOP OF THE MANHOLE TO CURRENT CITY SPEC, PER THE DETAIL SHEET.
  3. RESHAPE BENCH/INVERT AS NECESSARY FOR SMOOTH FLOW.



**SEWER MAIN EXTENSION PROFILE**

SCALE  
HORIZ: 1" = 20'-0"  
VERT: 1" = 2'-0"

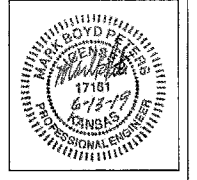


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Fax: (864) 293-5140  
www.brittpeters.com  
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**CSL Plasma**

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4830 S. BROADWAY AVE.  
WICHITA, KS 67216

SANITARY SEWER PLAN & PROFILE

REVISIONS		
No.	Description	Date
2	Addendum #2	05/16/19
3	Addendum #3	06/19/19
4	CR #1	06/19/19

DRAWN BY: TAH  
CHECKED BY: JAC  
DATE: 04/22/2019

NOVUS JOB NUMBER  
**2001.1013.39**

SHEET NUMBER  
**C1.0**

CONSTRUCTION DOCUMENTS

North  
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