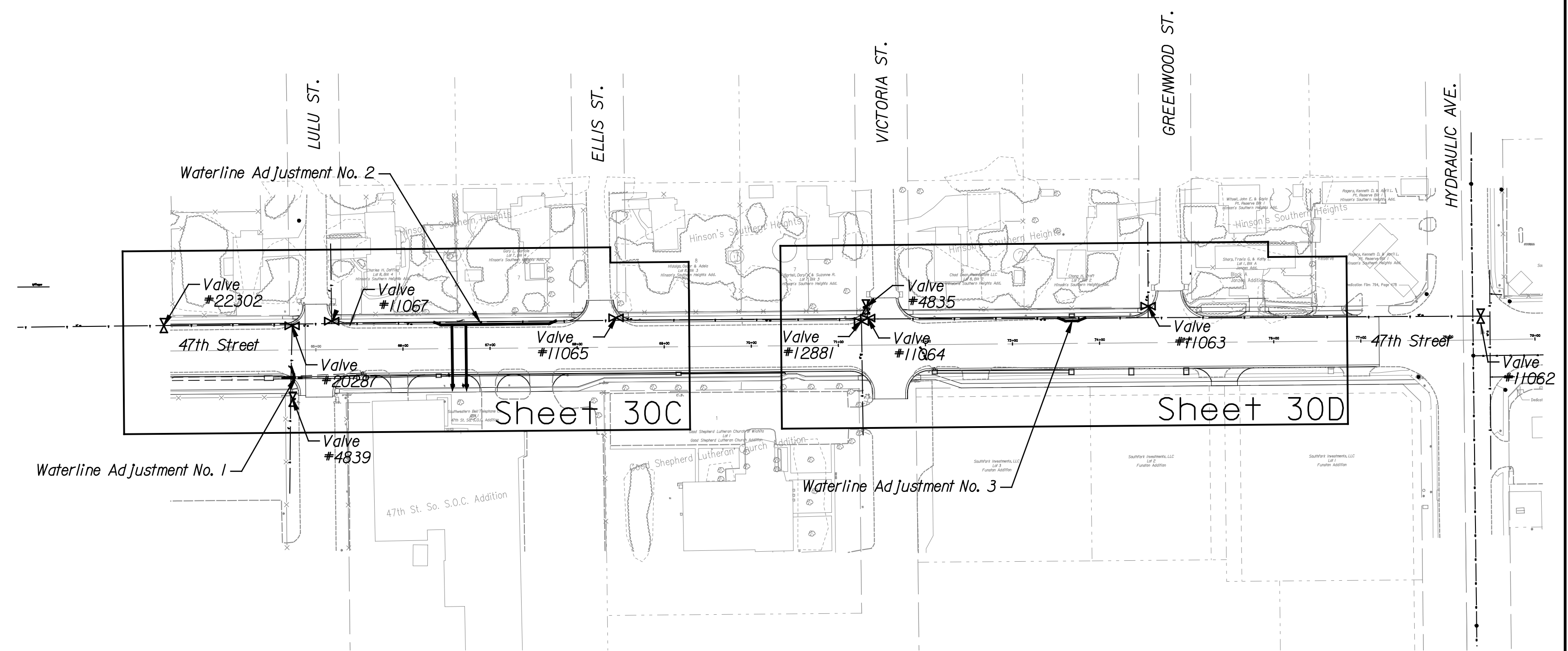
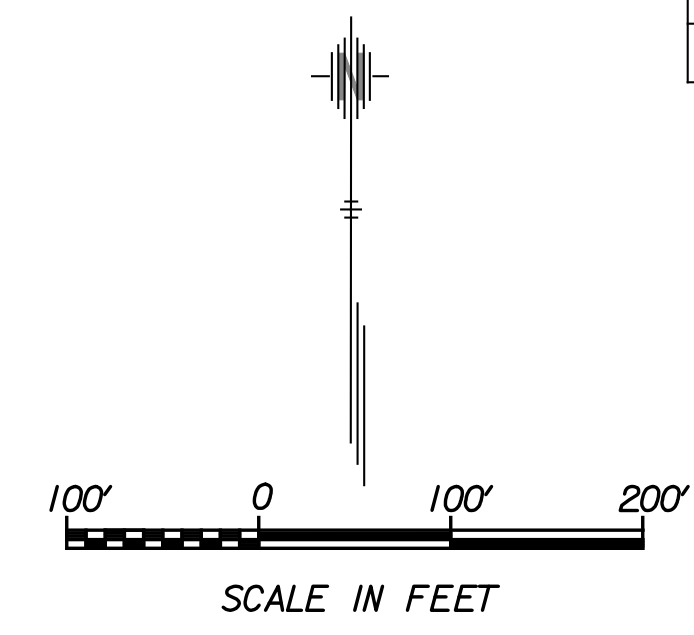


**GENERAL NOTES**

- ALL WORK SHALL BE DONE IN ACCORDANCE WITH THE MOST RECENT VERSION OF THE STANDARDS AND SPECIFICATIONS FOR CONSTRUCTION IN THE CITY OF WICHITA, KANSAS .
- THE CONTRACTOR SHALL FURNISH AND INSTALL ALL FITTINGS REQUIRED TO PROVIDE PROPER HORIZONTAL AND VERTICAL ALIGNMENT FOR NEW WATER MAINS, CONNECTIONS TO EXISTING WATER MAINS AND INSTALLATION OF FIRE HYDRANTS AT THE PROPER LOCATION AND ELEVATION, WHETHER OR NOT THE FITTINGS ARE CALLED OUT ON THESE DRAWINGS.
- THE CONTRACTOR SHALL FURNISH AND INSTALL ALL TEMPORARY BLOW-OFF ASSEMBLIES, FITTINGS, THRUST BLOCKING, AND RESTRAINING DEVICES REQUIRED FOR TEMPORARY CONNECTIONS FOR FLUSHING, PRESSURE TESTING, CHLORINATION, AND DE-CHLORINATION OF THE NEW WATER MAINS. FINAL CONNECTIONS TO MAINS SHALL BE MADE WITH CLEAN SWABBED PIPE AND FLUSHED.
- SCHEDULING OF WATER MAIN SHUTDOWNS AND CONNECTION TO EXISTING MAINS SHALL BE AT THE DISCRETION OF THE CITY OF WICHITA WATER DEPARTMENT.
- SECTIONS OF WATER MAIN REQUIRING MULTIPLE BENDS, SHOULD BE RESTRAINED WITH APPROVED JOINT RESTRAINING DEVICES.
- THE LOCATIONS OF EXISTING UTILITIES, AS SHOWN, ARE APPROXIMATE. IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO VERIFY THE LOCATIONS AND ELEVATIONS OF ALL EXISTING UTILITIES.
- THE END OF ALL ABANDONED WATER MAINS SHALL BE CAPPED WITH A DUCTILE IRON MECHANICAL JOINT FITTING.
- COVERS, LIDS, AND STANDPIPES ON ALL ABANDONED VALVES SHALL BE REMOVED AND THE AREA SHALL BE PROPERLY BACK-FILLED.
- EXISTING WATER SERVICE LINES SHALL BE ABANDONED AND REPLACED WITH NEW, COMPLETE WATER SERVICE CONNECTIONS IN ACCORDANCE WITH CITY OF WICHITA STANDARDS. THE EXISTING WATER METERS SHALL BE REMOVED.
- THE CONTRACTOR SHALL VERIFY THE OUTSIDE DIAMETER (O.D.) OF THE EXISTING WATER MAINS PRIOR TO SCHEDULING CONNECTION. PROVIDE SOLID SLEEVE AS REQUIRED.
- CONTRACTOR WILL BE REQUIRED TO PROVIDE A MINIMUM ADVANCE NOTICE OF SEVENTY-TWO (72) HOURS TO UTILITY COMPANIES PRIOR TO STARTING ANY EXCAVATION AS FOLLOWS: KANSAS ONE-CALL 316-687-2470 OR 811 AND CITY OF WICHITA UTILITY LOCATES AT WWW.WICHITA.GOV\LOCATE) 316)268-4260.
- A SAW CUT OF AT LEAST ONE-HALF THE DEPTH OF EXISTING SURFACE COURSES OR ONE-FOURTH THE DEPTH OF EXISTING TOTAL PAVEMENT THICKNESS SHALL BE PROVIDED AT LOCATIONS WHERE PROPOSED CONSTRUCTION ABUTS ON EXISTING SURFACE COURSE OR PAVEMENT FOR WHICH PARTIAL REMOVAL OF THAT SURFACE OR PAVEMENT IS REQUIRED, EXCEPT WHEN SUCH SAW CUTS ARE WITHIN THREE (3) FEET OF AN EXISTING JOINT. SUCH SAW CUTS WILL NOT BE PAID FOR DIRECTLY AND THIS COST SHALL BE CONSIDERED A SUBSIDIARY TO THE REMOVAL OF THE SURFACE OR PAVEMENT.
- 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 THAT, IN THE OPINION OF THE ENGINEER, WILL LEAVE ON 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 WOULD REQUIRE A KANSAS STATE BOARD OF AGRICULTURE PERMIT. ANY MATERIAL DUMPED IN WATER OF THE UNITED STATES OR WETLANDS IS SUBJECT TO U.S. CORPS PERMITTING REGULATIONS. ANY MATERIAL BURIED OR STOCKPILED BEYOND APPROVED OF ENGINEERS CONSTRUCTION LIMITS WOULD REQUIRE ADDITIONAL ARCHEOLOGICAL INVESTIGATIONS UNLESS BURIED IN A PREVIOUSLY APPROVED BORROW LOCATION.
- THE CONTRACTOR SHALL NOTIFY PIPELINE COMPANIES AT LEAST 24 HOURS IN ADVANCE OF ANY WORK BEING PERFORMED ACROSS AND/OR ADJACENT TO PIPELINES.
- THE CONTRACTOR SHALL GIVE ALL PROPERTY OWNERS AND/OR TENANTS OF DEVELOPED PROPERTY DIRECTLY ABUTTING THE CONSTRUCTION OF THIS PROJECT A MINIMUM OF TEN (10) DAYS ADVANCE NOTICE PRIOR TO START OF CONSTRUCTION.
- ALL / TURF AREAS DISTURBED BY CONSTRUCTION OF THE PROPOSED IMPROVEMENTS SHALL BE RESTORED WITH THE SAME GRASS / SOD AS EXISTING. RESTORATION OF DISTURBED AREAS SHALL INCLUDE BUT NOT LIMITED TO TOP SOIL PREPARATION, SEEDING, MULCH, AND / OR RESEEDING. ALL SEEDING / SODDING WORK SHALL BE IN ACCORDANCE WITH THE CITY OF WICHITA STANDARD SPECIFICATIONS AND THE CITY OF WICHITA ADMINISTRATIVE REGULATION NO. AR6.5 WHICH GOVERNS CLEANUP AND RESTORATION OR REPLACEMENT FOLLOWING CONSTRUCTION. ALL COSTS FOR THIS WORK SHALL BE SUBSIDIARY THE LUMP SUM PRICE BID FOR "SITE RESTORATION".
- THE CONTRACTOR SHALL SEED ALL AREAS DISTURBED BY CONSTRUCTION ACTIVITIES WITH TEMPORARY RYE GRASS. RYE GRASS SEED SHALL BE PLANTED AT A MINIMUM RATE OF (6) POUNDS PER (1,000) SQ. FT. THIS TEMPORARY SEEDING MAY BE OMITTED ONLY IF OTHER SEEDING IS REQUIRED IN ACCORDANCE WITH GENERAL NOTE 17 ABOVE. TEMPORARY SEEDING OR PERMANENT SEEDING/SODDING SHALL BE APPLIED WITHIN 14 DAYS AFTER THE AREA HAS BEEN DISTURBED.
- ALL NEW 1" SERVICE LINE INSTALLATIONS SHOULD HAVE COMPLETE METER BOXES INSTALLED AT THE APPROPRIATE LOCATIONS.



| Bid Item Code | Bid Item Description           | Unit of Measurement | Quantity |
|---------------|--------------------------------|---------------------|----------|
| 10131000      | Excavation                     | CY                  | 66       |
| 10171000      | Fill, Compacted (90% Density)  | CY                  | 6        |
| 10172000      | Fill, Compacted (95% Density)  | CY                  | 29       |
| 10180000      | Fill, Select Granular Backfill | CY                  | 23       |
| 10221000      | Mobilization                   | LS                  | 1        |
| 40181000      | Pipe Abandoned In Place        | LF                  | 173      |
| 40200000      | Pipe, Cut and Cap              | Ea                  | 6        |
| 40401008      | Pipe, WL 8"                    | LF                  | 26       |
| 40401012      | Pipe, WL 12"                   | LF                  | 175      |
| 40412000      | Service Connection Replaced    | Ea                  | 2        |
| 90131000      | Seeding                        | LS                  | 1        |

Quantity Table



**GENERAL NOTES & KEY MAP**

CITY ENGINEER  
**JAMES L. ARMOUR, P.E., L.S.**

|                             |                      |              |
|-----------------------------|----------------------|--------------|
| PROJECT NUMBER<br>448-90460 | OCA NUMBER<br>991306 | DATE<br>3/10 |
|-----------------------------|----------------------|--------------|

CITY ENGINEER'S OFFICE  
 JCS MDP  
 CITY HALL - SEVENTH FLOOR  
 455 NORTH MAIN STREET  
 WICHITA, KANSAS 67202-1620  
 (316) 268-4501  
 (316) 268-4114 FAX

DESIGN DRAWN  
 SHEET  
**30B OF 71**

Plotted on: Thursday, March 11, 2010 4:07  
 mpc11s Plot Queue: \\csw000\KCP\B\FPS  
 Plot Scale: 99.999881 Pen Table: 5037\_Fullpen  
 Design Filename: \\csw000\Jobs\5037\WaterRes\CD\DeFalls\47th\_Water\_gennotes.dgn



\\csw000\Jobs\5037\WaterRes\CD\DeFalls\47th\_Water\_gennotes.dgn