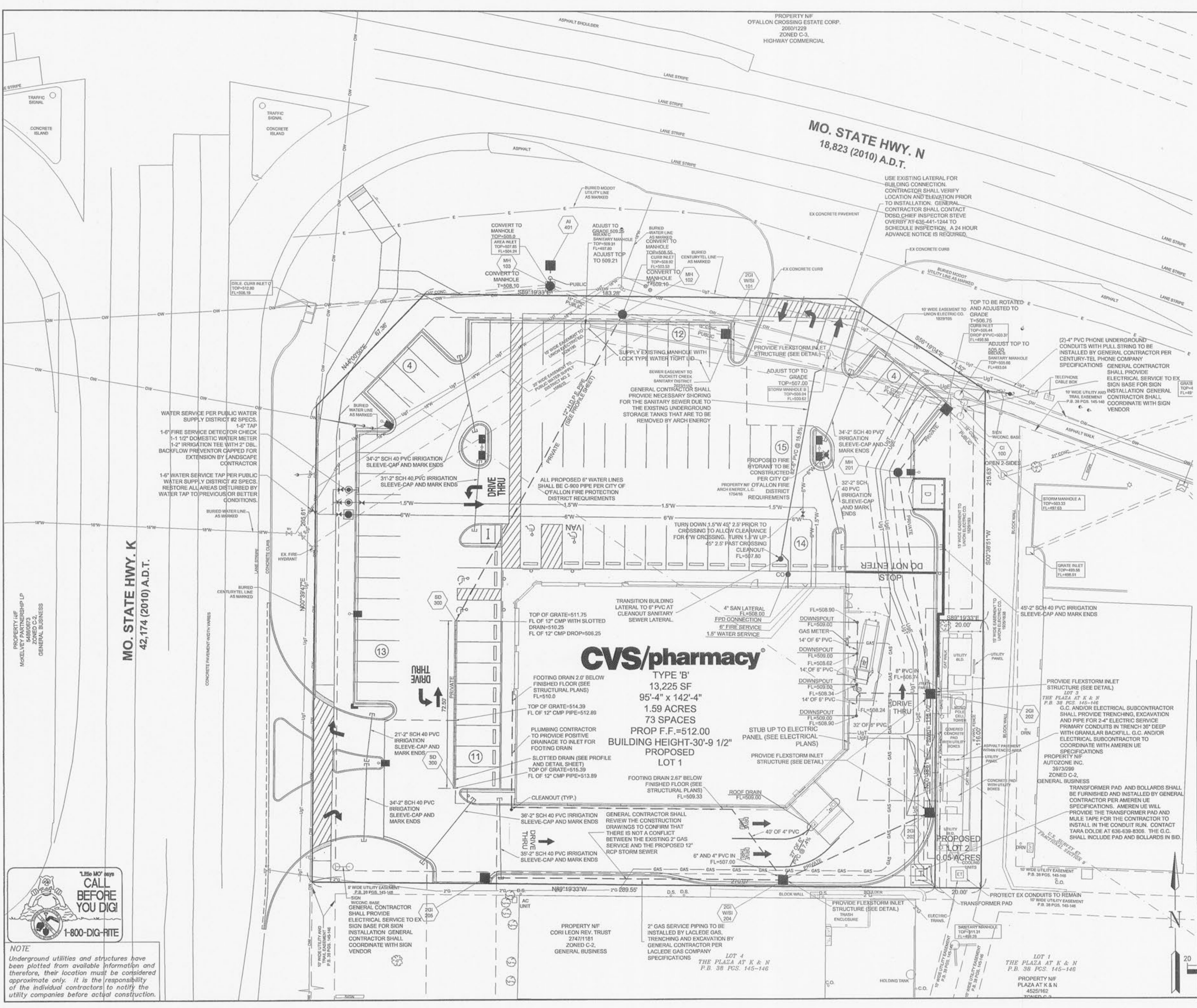


\\STORAGE01\server\civil\3d\PROJECTS\100901\DWG\IMPROVEMENT PLANS\HWY N AND HWY K DES 12-9-11.dwg, 2/22/2012 12:38:30 PM, KP 6000.pcd



UTILITY NOTES

- ALL FILL MATERIAL IS TO BE IN PLACE AND COMPACTED BEFORE INSTALLATION OF PROPOSED UTILITIES.
- CONTRACTOR SHALL NOTIFY THE UTILITY AUTHORITIES INSPECTORS 72 HOURS BEFORE CONNECTING TO ANY EXISTING LINE.
- CONTRACTOR SHALL MAINTAIN A MINIMUM OF 3'-6" COVER ON ALL WATERLINES AND 3'-0" ON ALL SANITARY SEWER LINES.
- CONTRACTOR SHALL COORDINATE WITH BUILDING ARCHITECT AND TELEPHONE COMPANY FOR EXACT LOCATIONS OF TELEPHONE ENTRY TO THE BUILDING. CONTRACTOR SHALL BE RESPONSIBLE FOR ANY CONDUITS, PULL WIRES, TRENCHING, BACKFILL, ETC. REQUIRED BY TELEPHONE CO.
- CONNECTION FROM THE METER TO SITE UTILITY LINES SHALL BE MADE BY BUILDING CONTRACTOR.
- EXISTING UTILITIES SHALL BE VERIFIED IN FIELD PRIOR TO INSTALLATION OF ANY NEW LINES.
- REFER TO INTERIOR MECHANICAL, ELECTRIC AND PLUMBING DRAWINGS FOR TIE-IN OF ALL UTILITIES.
- THE CONTRACTOR IS SPECIFICALLY CAUTIONED THAT THE LOCATION AND/OR ELEVATION OF EXISTING UTILITIES AS SHOWN ON THESE PLANS IS BASED ON RECORDS OF THE VARIOUS UTILITY COMPANIES, AND WHERE POSSIBLE, MEASUREMENTS TAKEN IN THE FIELD. THE INFORMATION IS NOT TO BE RELIED ON AS BEING EXACT OR COMPLETE. THE CONTRACTOR MUST CALL THE APPROPRIATE UTILITY COMPANIES AT LEAST 72 HOURS BEFORE ANY EXCAVATION TO REQUEST EXACT FIELD LOCATION OF UTILITIES. IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO LOCATE ALL EXISTING UTILITIES WHICH CONFLICT WITH THE PROPOSED IMPROVEMENTS SHOWN ON THE PLANS.
- ALL NECESSARY INSPECTIONS AND/OR CERTIFICATIONS REQUIRED BY CODES AND/OR UTILITY SERVICE COMPANIES SHALL BE PERFORMED PRIOR TO ANNOUNCED BUILDING POSSESSION AND THE FINAL CONNECTION OF SERVICE.
- CONTRACTOR SHALL COORDINATE WITH BUILDING ARCHITECT AND LACLEDE GAS COMPANY FOR EXACT LOCATION OF GAS ENTRY. G.C. TO INCLUDE \$10,000 IN BID FOR CONTRACTOR ANY GAS PIPING, CONDUITS, TRENCHING, BACKFILLING, ETC. REQUIRED BY LACLEDE GAS COMPANY.
- CONTRACTOR SHALL COORDINATE WITH BUILDING ARCHITECT AND ELECTRIC COMPANY FOR EXACT LOCATION OF ELECTRIC ENTRY. G.C. SHALL INCLUDE \$35,000 IN BID FOR ANY CONDUITS, TRENCHING, BACKFILLING, CABLES, ETC. REQUIRED BY ELECTRIC COMPANY. CONTRACTOR SHALL PROVIDE THIS IN HIS/HER BID.
- SEE MEP PLANS FOR GAS SERVICE SIZING.
- ALL UTILITY SEWER TRENCH BACKFILL SHALL HAVE GRANULAR BACKFILL AND BE MECHANICALLY COMPACTED.
- THE CONTRACTOR SHALL VERIFY THE LOCATION, CONDITION AND ELEVATION OF ALL PROPOSED SEWER CONNECTION POINTS PRIOR TO THE START OF CONSTRUCTION. ANY DISCREPANCIES THAT WOULD INTERFERE WITH THE PROPOSED SEWER DESIGN SHALL IMMEDIATELY BE BROUGHT TO THE ATTENTION OF THE ENGINEER.
- THE EXISTING INLETS NOTED ARE TO BE INSPECTED BY THE CITY OF OFFALLEN A DETERMINATION SHALL BE MADE IF REPLACEMENT IS NEEDED. EXISTING TOP OF STRUCTURES AND ALL FLOWLINES OF STRUCTURES ARE TO BE REPLACED PER PLANS IF REPLACEMENT IS REQUIRED. CONTRACTOR TO INCLUDE REMOVAL AND REPLACEMENT OF STRUCTURES IN BID.
- ALL PERMIT FEES AND COSTS ASSOCIATED WITH BRINGING UTILITY, SEWER AND WATER SERVICES TO THE BUILDING SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR. ALL FEES AND COSTS SHALL BE INCLUDED IN THE CONTRACTORS BID.
- G.C. IS TO PROVIDE TRENCH, WIRE, AND CONDUIT FOR TELEPHONE AND ELECTRICAL SERVICES, BACKFILL AND GRADE SMOOTH FOR A COMPLETE TELEPHONE AND ELECTRIC INSTALLATION.
- ALL LANDSCAPE ISLANDS AND GREEN SPACE IN THE RIGHT-OF-WAY SHALL BE IRRIGATED.
- THE CONTRACTOR SHALL INCLUDE IN HIS/HER BID \$9,600 FOR TELEPHONE INSTALLATION COSTS BY THE LOCAL PHONE COMPANY.
- ANY ABANDONED SEWERS SHALL BE REMOVED OR COMPLETELY GROUT FILLED PER CITY OF OFFALLEN REQUIREMENTS.
- IRRIGATION SLEEVES SHALL BE INSTALLED AT A MINIMUM OF 1' DEEP.
- EXISTING SANITARY SEWER SERVICE SHALL NOT BE INTERRUPTED.
- CONNECTION TO DCSO SEWERS REQUIRES DCSO INSPECTION. CONTACT MR. STEVE OVERBEY, DCSO CHIEF INSPECTOR, AT 636-441-1244 TO SCHEDULE INSPECTION. 24 HOUR ADVANCE NOTICE IS REQUIRED.

ELECTRIC, TELEPHONE AND CATV NOTES

- COORDINATION WITH THE ELECTRIC, TELEPHONE AND CATV COMPANIES SHALL BE THE RESPONSIBILITY OF THE ELECTRICAL CONTRACTOR AND SHALL BE CONDUCTED IN A MANNER THAT RESULTS IN A EFFICIENT AND TIMELY RELOCATION AND REMOVAL OF THE EXISTING FACILITIES.
- GROUND ELEVATIONS SHALL BE WITHIN 6" OF THE FINAL PROPOSED ELEVATIONS PRIOR TO THE START OF ELECTRIC, TELEPHONE AND CATV RELOCATIONS OR INSTALLATIONS OF NEW SERVICE.

CODE
 ENGINEERING SERVICES, LLC
 1302 Main Street, 4th Fl.
 St. Louis, MO 63101
 (314) 763-8032

December 13, 2011

Main Property
 Premier Civil Engineering
 1155 Wentzville Parkway Suite 103
 Wentzville, MO 63385

Hydrant flow test
 CVS 6477-SEC Hwy. K and Hwy. N

A hydrant flow test was performed on 12-13-11 at approximately 2:00 PM near the intersection of Highway K and Highway N in Offallen, MO. The flow test was conducted with Dave Goebel of Public Water Supply District #2.

The static and residual pressures were taken at a hydrant on Highway N approximately 910 ft. east of Highway K. According to Google Earth, the elevation of this hydrant is 487 ft. The flow was measured at a hydrant approximately 1630 ft. east near the intersection of Spring Orchard Drive and Highway N. The elevation of this hydrant is 501 ft. According to Public Water Supply District #2 records, there is a 12" public water main on the south side of Highway N which supplies both of the hydrants used for testing. The results of the flow test were as follows:

Static pressure: 120 psi
 Residual pressure: 115 psi
 Flow: 1661 gpm (1.25" opening w/ 98 psi pinto reading)
 Note: Effective elevation of flow test is 487 ft.

Please call if you have any questions.
 Sincerely,
 CODE Engineering Services, LLC

Michael T. O'Brien, P.E.

CVS pharmacy

PROJECT TITLE NORTHERN 13,225-LEFT CHAMFER DRIVE-THRU STORE NUMBER: 6477

PROJECT INFO SEC. HIGHWAY N AND HIGHWAY K OFFALLEN, MO PROJECT TYPE: NEW CONSTRUCTION DEAL TYPE: FEE FOR SERVICE CS PROJECT NUMBER: 57110

PREMIER CIVIL ENGINEERING

Wentzville
 1155 Wentzville Parkway Suite 103
 Wentzville, MO 63385
 Phone (314) 925-7444 Fax (314) 925-7457
 Premier Civil Engineering
 Missouri State Certificate of Authority #LC0951128

ENGINEERS AUTHENTICATION
 The responsibility for professional engineering liability on this project is hereby limited to the seal of plans authorized by the seal, signature, and date hereon attached. Responsibility is disclaimed for all other engineering plans involved in this project and specifically excludes revisions after this date unless reauthorized.

STEVE MARION P.E.
 ENGINEER
 PE00060195

SEAL OF MISSOURI PROFESSIONAL ENGINEER
 STEVE MARION
 NUMBER 2720000009
 EXPIRES 12/31/2014

Developer / Owner Information

CEDARWOOD DEVELOPMENT, INC
 1765 MERRIMAN ROAD
 AKRON, OH 44313
 CONTACT: RON DINARDO
 OFFICE: (330) 836-9971

Utility Plan

P-12 No. 26-11
 APPROVED 12.11.11
 City No.

Sheet Number:
 11