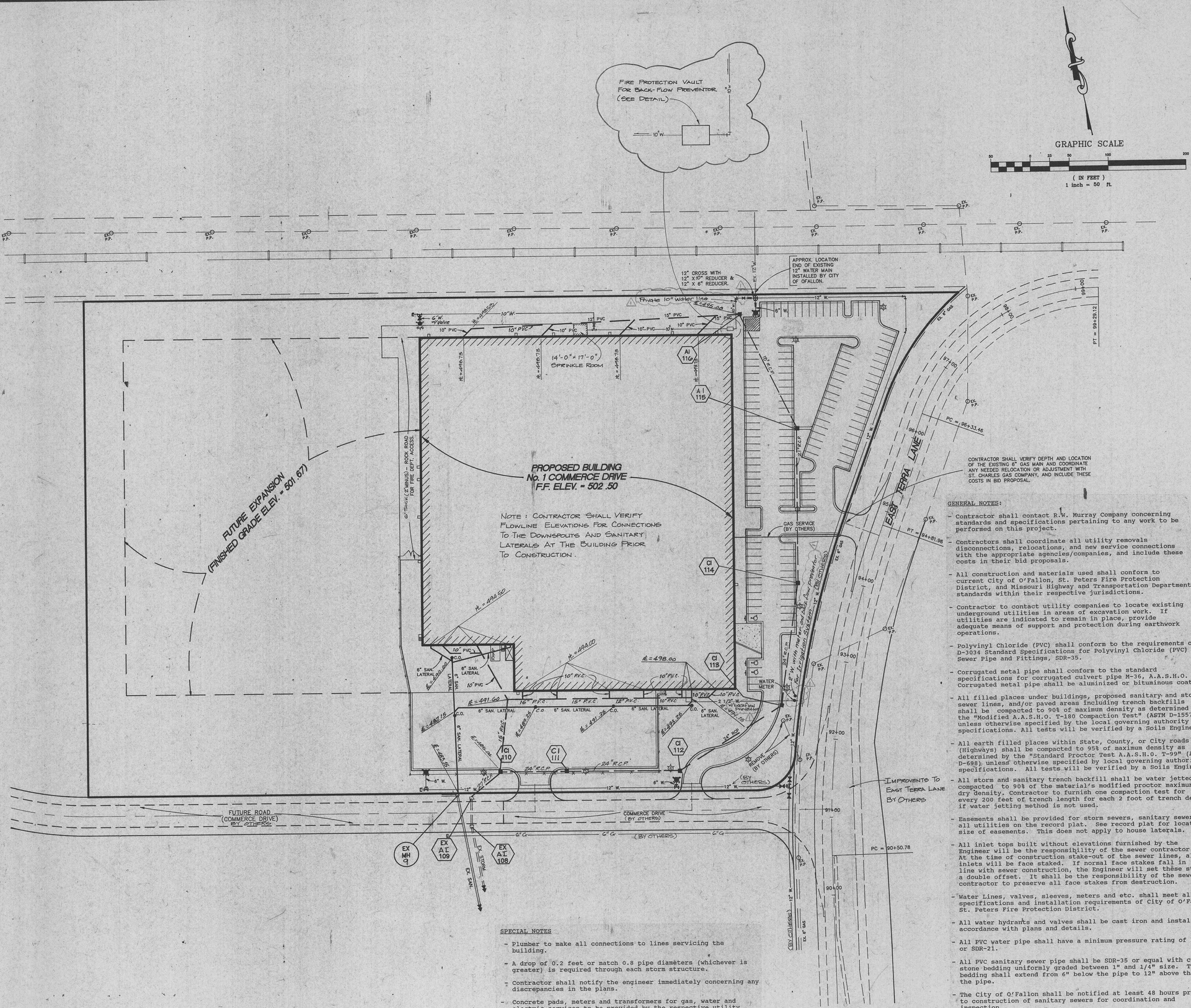

GENERAL NOTES:

- Contractor shall contact R.W. Murray Company concerning standards and specifications pertaining to any work to be performed on this project.
- Contractors shall coordinate all utility removals disconnections, relocations, and new service connections with the appropriate agencies/companies, and include these costs in their bid proposals.
- All construction and materials used shall conform to current City of O'Fallon, St. Peters Fire Protection District, and Missouri Highway and Transportation Department standards within their respective jurisdictions.
- Contractor to contact utility companies to locate existing underground utilities in areas of excavation work. If utilities are indicated to remain in place, provide adequate means of support and protection during earthwork operations.
- Polyvinyl Chloride (PVC) shall conform to the requirements of ASTM D-3034 Standard Specifications for Polyvinyl Chloride (PVC) Sewer Pipe and Fittings, SDR-35.
- Corrugated metal pipe shall conform to the standard specifications for corrugated culvert pipe M-36, A.A.S.H.O. Corrugated metal pipe shall be aluminized or bituminous coated.
- All filled places under buildings, proposed sanitary and storm sewer lines, and/or paved areas including trench backfills shall be compacted to 90% of maximum density as determined by the "Modified A.A.S.H.O. T-180 Compaction Test" (ASTM D-1557) unless otherwise specified by the local governing authority specifications. All tests will be verified by a Soils Engineer.
- All earth filled places within State, County, or City roads (Highways) shall be compacted to 95% of maximum density as determined by the "Standard Proctor Test A.A.S.H.O. T-99" (ASTM D-698), unless otherwise specified by local governing authority specifications. All tests will be verified by a Soils Engineer.
- All storm and sanitary trench backfill shall be water jetted or compacted to 90% of the material's modified proctor maximum dry density. Contractor to furnish one compaction test for every 200 feet of trench length for each 2 foot of trench depth if water jetting method is not used.
- Easements shall be provided for storm sewers, sanitary sewers, and all utilities on the record plat. See record plat for location and size of easements. This does not apply to house laterals.
- All inlet tops built without elevations furnished by the Engineer will be the responsibility of the sewer contractor. At the time of construction stake-out of the sewer lines, all inlets will be face staked. If normal face stakes fall in line with sewer construction, the Engineer will set these stakes on a double offset. It shall be the responsibility of the sewer contractor to preserve all face stakes from destruction.
- Water Lines, valves, sleeves, meters and etc. shall meet all specifications and installation requirements of City of O'Fallon and St. Peters Fire Protection District.
- All water hydrants and valves shall be cast iron and installed in accordance with plans and details.
- All PVC water pipe shall have a minimum pressure rating of PR-200 or SDR-21.
- All PVC sanitary sewer pipe shall be SDR-35 or equal with crushed stone bedding uniformly graded between 1" and 1/4" size. This bedding shall extend from 6" below the pipe to 12" above the top of the pipe.
- The City of O'Fallon shall be notified at least 48 hours prior to construction of sanitary sewers for coordination and inspection.
- Brick shall not be used on storm structures.

SPECIAL NOTES

- Plumber to make all connections to lines servicing the building.
- A drop of 0.2 feet or match 0.8 pipe diameters (whichever is greater) is required through each storm structure.
- Contractor shall notify the engineer immediately concerning any discrepancies in the plans.
- Concrete pads, meters and transformers for gas, water and electric services to be provided by the respective utility companies.
- Water meters to be placed within the 10' easement along East Terra Lane

UTILITIES TO NOTIFY

M.M.E.I. (Water and Sewer).....(314) 281-2858

Union Electric Company.....(314) 272-6203

St. Charles Gas Company.....(314) 946-8937

Contel Telephone Company.....1-800-344-7483

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Civil Engineers
Planners
Land Surveyors

NEW DISTRIBUTION FACILITY

OWNER: McKesson Corporation

CONTRACTOR: R.W.Murray Co.

JAMES T. FAIRE
NUMBER E-24337
REGISTERED PROFESSIONAL ENGINEER
STATE OF MISSOURI

Revision Dates

△ / /
△ / /
△ / /
△ 3/14/90

Issue Date
3/6/90

Sheet Title
UTILITY PLAN

RWM Job Number
571

Sheet Number
C-3