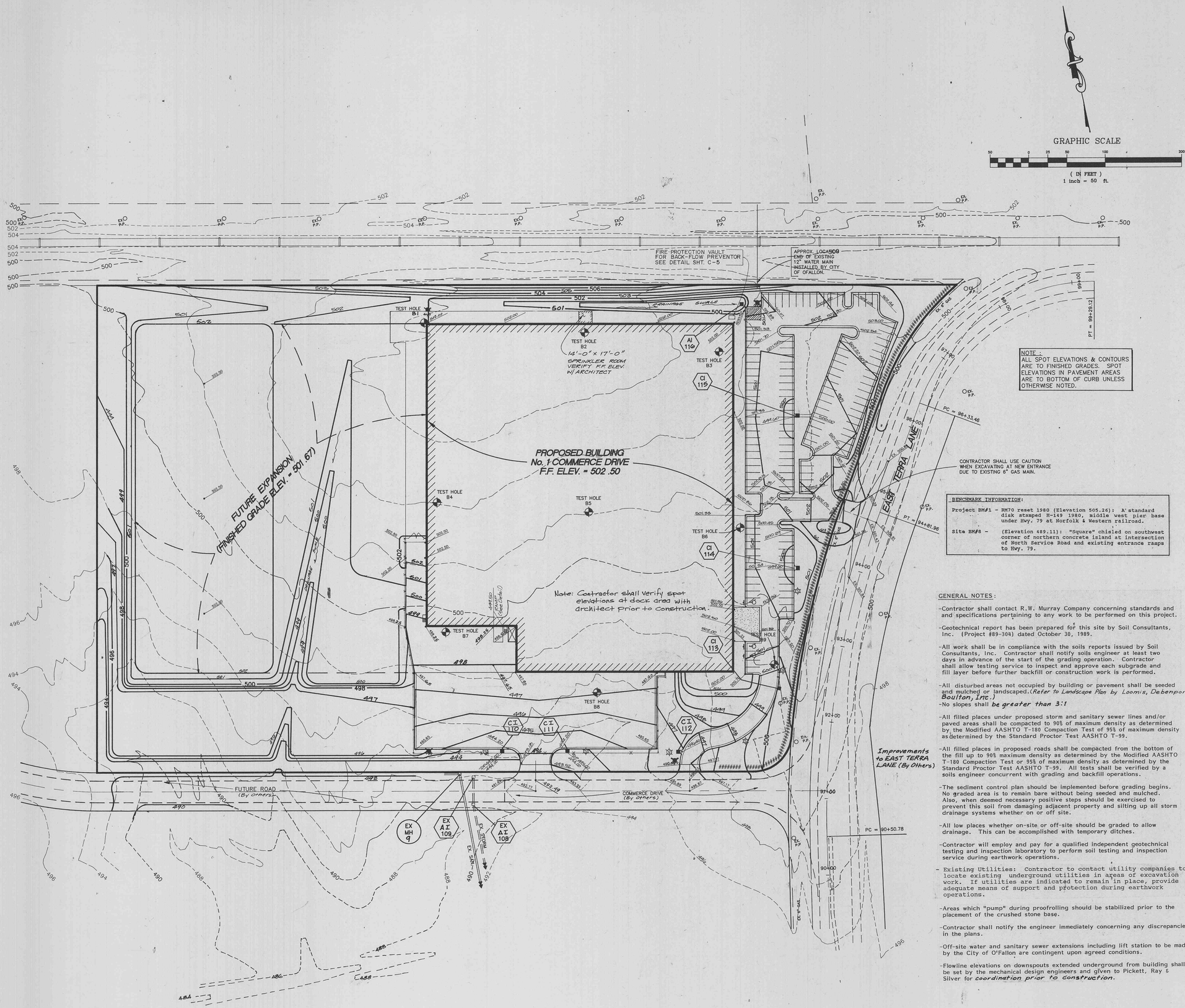

NOTE:
ALL SPOT ELEVATIONS & CONTOURS ARE TO FINISHED GRADES. SPOT ELEVATIONS IN PAVEMENT AREAS ARE TO BOTTOM OF CURB UNLESS OTHERWISE NOTED.

BENCHMARK INFORMATION:

Project BM#1 - RM70 reset 1980 (Elevation 505.26): A' standard disk stamped H-149 1980, middle west pier base under Hwy. 79 at Norfolk & Western railroad.

Site BM#8 - (Elevation 489.11): "Square" chisled on southwest corner of northern concrete island at intersection of North Service Road and existing entrance ramps to Hwy. 79.

GENERAL NOTES:

-Contractor shall contact R.W. Murray Company concerning standards and and specifications pertaining to any work to be performed on this project.

-Geotechnical report has been prepared for this site by Soil Consultants, Inc. (Project #89-304) dated October 30, 1989.

-All work shall be in compliance with the soils reports issued by Soil Consultants, Inc. Contractor shall notify soils engineer at least two days in advance of the start of the grading operation. Contractor shall allow testing service to inspect and approve each subgrade and fill layer before further backfill or construction work is performed.

-All disturbed areas not occupied by building or pavement shall be seeded and mulched or landscaped.(*Refer to Landscape Plan by Loomis, Debenport Boulton, Inc.*)

-No slopes shall *be greater than 3:1*

-All filled places under proposed storm and sanitary sewer lines and/or paved areas shall be compacted to 90% of maximum density as determined by the Modified AASHTO T-180 Compaction Test of 95% of maximum density as determined by the Standard Proctor Test AASHTO T-99.

-All filled places in proposed roads shall be compacted from the bottom of the fill up to 90% maximum density as determined by the Modified AASHTO T-180 Compaction Test or 95% of maximum density as determined by the Standard Proctor Test AASHTO T-99. All tests shall be verified by a soils engineer concurrent with grading and backfill operations.

-The sediment control plan should be implemented before grading begins. No graded area is to remain bare without being seeded and mulched. Also, when deemed necessary positive steps should be exercised to prevent this soil from damaging adjacent property and silting up all storm drainage systems whether on or off site.

-All low places whether on-site or off-site should be graded to allow drainage. This can be accomplished with temporary ditches.

-Contractor will employ and pay for a qualified independent geotechnical testing and inspection laboratory to perform soil testing and inspection service during earthwork operations.

- Existing Utilities: 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.

-Areas which "pump" during proofrolling should be stabilized prior to the placement of the crushed stone base.

-Contractor shall notify the engineer immediately concerning any discrepancies in the plans.

-Off-site water and sanitary sewer extensions including lift station to be made by the City of O'Fallon are contingent upon agreed conditions.

-Flowline elevations on downspouts extended underground from building shall be set by the mechanical design engineers and given to Pickett, Ray & Silver for *coordination prior to construction.*

LEGEND

500	EXISTING CONTOUR
500	PROPOSED CONTOUR
	EXISTING MANHOLE
	PROPOSED MANHOLE
	PROPOSED CURB INLET
	EXISTING STORM SEWER
	PROPOSED STORM SEWER
	EXISTING SANITARY SEWER
	PROPOSED SANITARY SEWER
8" W.	WATER LINE WITH SIZE
	FLARED END SECTION
E.P.	EXISTING POWER POLE
	PROPOSED FIRE HYDRANT
	PROPOSED WATER VALVE
	PROPOSED WATER METER
	PROPOSED "TEE" SECTION
	PROPOSED CAP
	TEST HOLE
	PROPOSED SINGLE LIGHT STANDARD
	PROPOSED DOUBLE LIGHT STANDARD
MH 100	STORM SEWER
MH 100	SANITARY SEWER
	SILTATION CONTROL
	EXISTING R.R. TRACKS
	EXISTING TREE LINE
	CONCRETE

U.G.E.	UNDERGROUND ELECTRIC
O.H.E.	OVERHEAD ELECTRIC
RCP	REINFORCED CONCRETE PIPE
PVC	POLY-VINYL CHLORIDE PIPE
SAN.	SANITARY SEWER
CONC.	CONCRETE
C.O.	CLEAN-OUT
R/W	RIGHT-OF-WAY
W.V.	WATER VALVE

PREPARED BY:
PICKETT RAY & SILVER
Civil Engineers
Planners
Land Surveyors
3339 Mid Rivers Mall Dr.
St. Peters, MO 63376
441-1211 278-1211

NEW DISTRIBUTION FACILITY

OWNER: McKesson Corporation

CONTRACTOR: R.W.Murray Co.

Revision Dates

Issue Date
3/6/90

Sheet Title
GRADING PLAN

RWM Job Number
571

Sheet Number
C-2