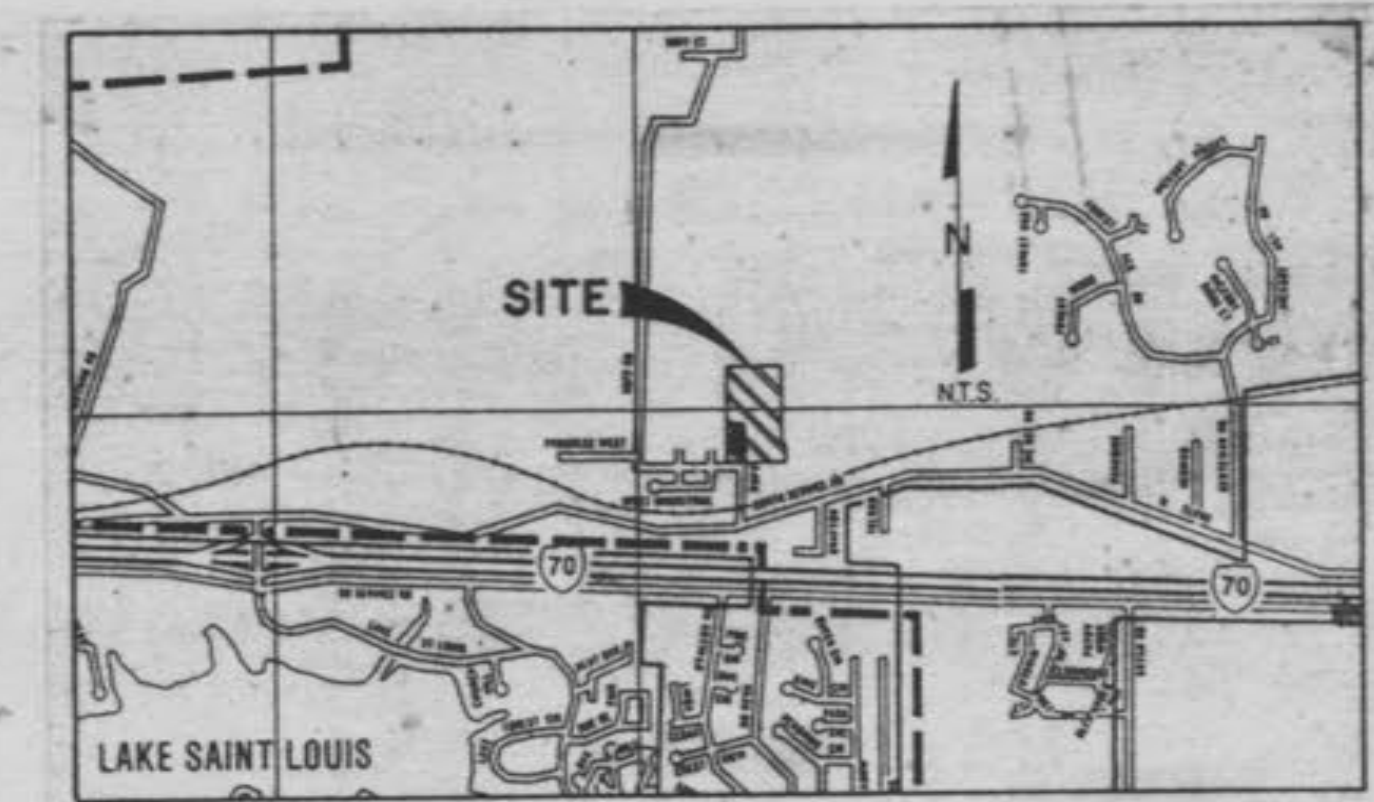
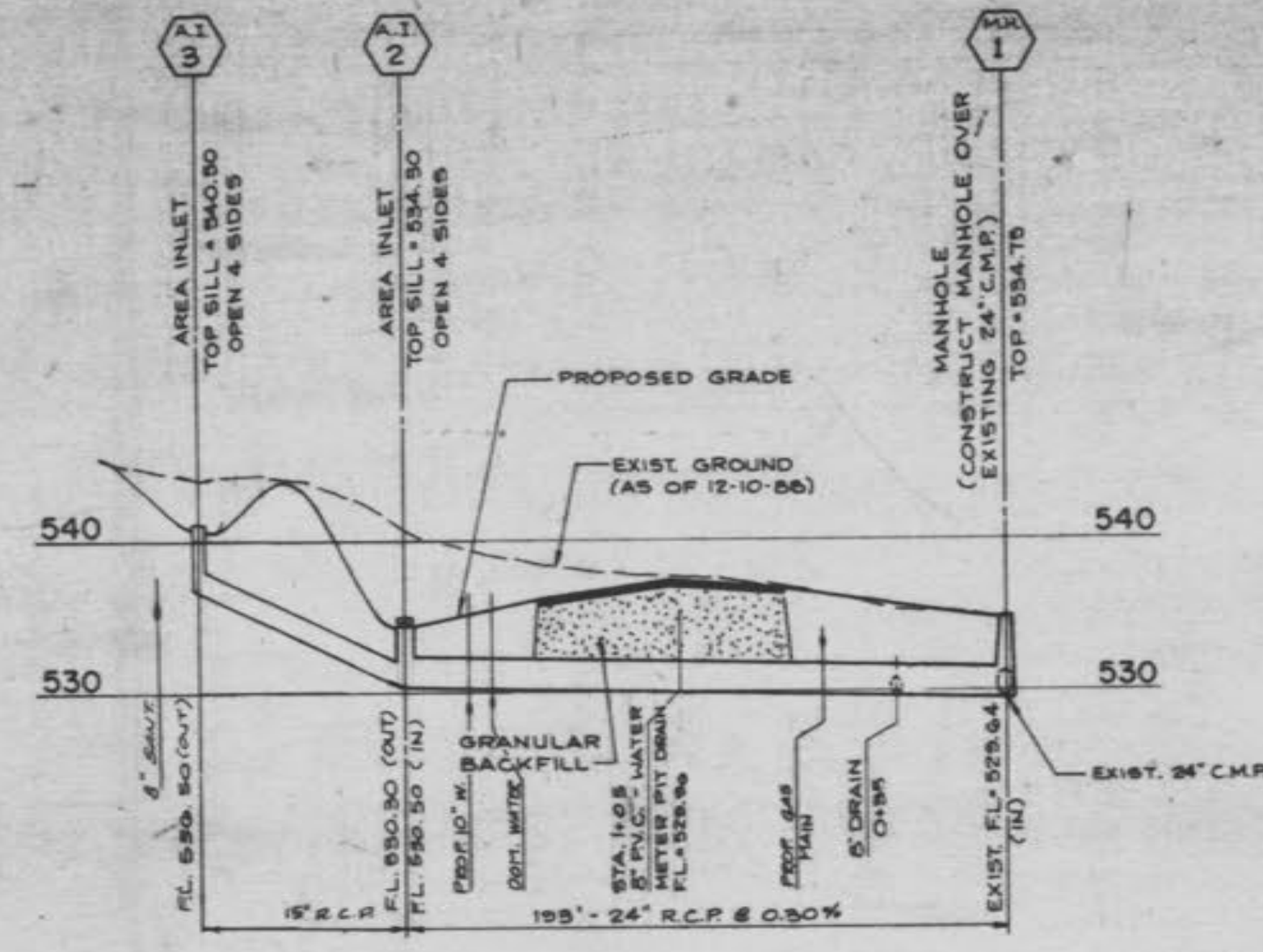


ANHEUSER-BUSCH - PILOT PLANT

LONE STAR INDUSTRIAL PARK - O'FALLON, MISSOURI
 PART OF FRACTIONAL SURVEY 25 & U.S. SURVEY 1780 TOWNSHIP 47 N., RANGE 2 EAST
 ST. CHARLES COUNTY, MISSOURI



Location Map



STORM SEWER PROFILE
 SCALE: 1"=30' HORIZ. 1"=10' VERT.

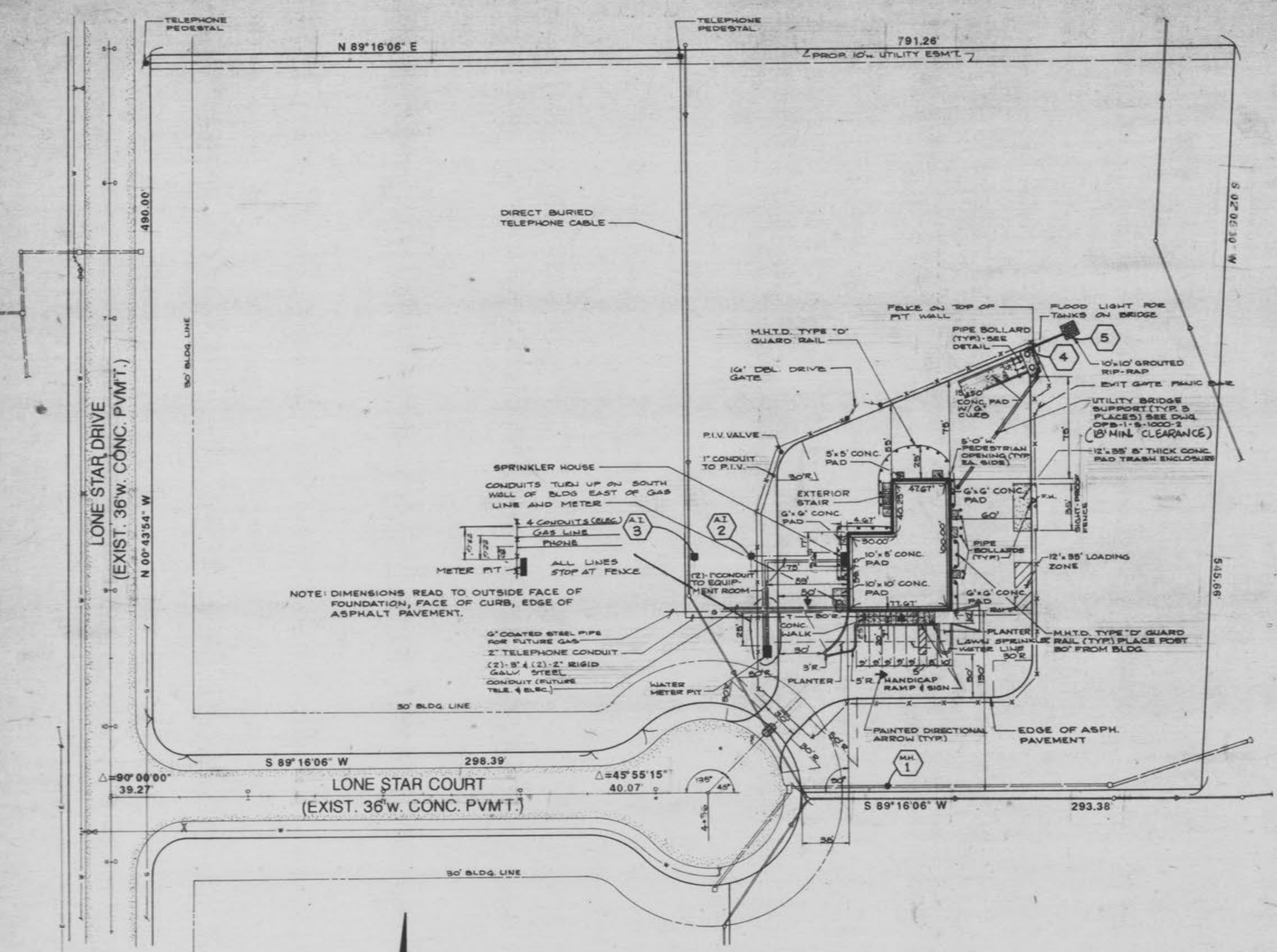
- GAS, WATER AND OTHER UNDERGROUND UTILITIES SHALL NOT CONFLICT WITH THE DEPTH OR HORIZONTAL LOCATION OF EXISTING AND PROPOSED SANITARY AND STORM SEWERS, INCLUDING HOUSE LATERALS.
- POLYETHYLENE GLASS REINFORCED (PVC) SHALL CONFORM TO THE REQUIREMENTS OF ASTM D-3035 STANDARD SPECIFICATIONS FOR THE PIPING POLYETHYLENE GLASS REINFORCED (PVC) SEWER PIPE AND FITTINGS, SEE-25.
- STORM SEWERS 18" IN DIAMETER OR SMALLER SHALL BE ASTM C-14.
- STORM SEWERS 24" IN DIAMETER OR LARGER SHALL BE ASTM C-76, CLASS II.
- ALL STORM SEWER PIPE UNDER PAVEMENT, REGARDLESS OF SIZE, SHALL BE REINFORCED CONCRETE PIPE (ASTM C76, CLASS III) UNLESS NOTED OTHERWISE ON THE PLANS.
- ALL FILLED PLACES UNDER BUILDINGS, HIDDEN SANITARY AND STORM SEWER LINES, AND/OR PAVED AREAS INCLUDING TRENCH HANDSILLS SHALL BE COMPACTED TO 90% OF MAXIMUM DENSITY AS DETERMINED BY THE "MODIFIED A.A.H.W.A. T-99 CONE PENETRATION TEST" (ASTM D-1557) UNLESS OTHERWISE SPECIFIED BY THE LOCAL GOVERNING AUTHORITY SPECIFICATIONS. ALL TESTS WILL BE WITNESSED BY A SOIL ENGINEER.
- ALL STORM AND SANITARY TRENCH BACKFILLS SHALL BE HIGHLY COMPACTED GRANULAR FILL TO BE USED UNDER PAVED AREAS.
- ALL GRADE SHALL BE WITHIN 0.2 FEET (MORE OR LESS) OF THOSE SHOWN ON THE GRADING PLAN.
- NO SLOPE SHALL BE GREATER THAN 3:1 AND SHALL BE EITHER SOOED OR SEEDED AND MULCHED.
- WATER LINES, VALVES, SLEEVES, METERS AND ETC. SHALL MEET ALL SPECIFICATIONS AND INSTALLATION REQUIREMENTS OF THE LOCAL GOVERNING AUTHORITY.
- ALL CAST IRON PIPE FOR WATER MAINS SHALL CONFORM TO A.A.H.W.A. SPECIFICATION C-106 AND/OR C-108. THE CAST IRON FITTINGS SHALL CONFORM TO A.A.H.W.A. SPECIFICATION C-110. ALL RUBBER GASKET JOINTS FOR WATER CAST IRON PRESSURE PIPE AND FITTINGS SHALL CONFORM TO A.A.H.W.A. SPECIFICATION C-111.
- ALL PVC WATER PIPE SHALL HAVE A MINIMUM PRESSURE RATING OF 160-200 OR 250-325.
- ALL PVC SANITARY SEWER PIPE SHALL BE 80 DMS OR EQUAL WITH CRUSHED STONE BEDDING UNIFORMLY GRADED BETWEEN 1" AND 1 1/4" SIZE. THIS BEDDING SHALL EXTEND FROM 4" BELOW THE PIPE TO 12" ABOVE THE TOP OF THE PIPE.
- ALL SANITARY MANHOLES SHALL HAVE A 32 MIL THICK COAT OF COAL TAR PITCH WATERPROOFING.
- MANHOLE FRAME AND COVER SHALL BE CLAY AND BAILEY NO. 2008 FOR MENARD R-1734 OR GREATER SIZE OR APPROVED EQUAL.
- THIS TRACT IS SERVED BY:
 - A. UNION ELECTRIC COMPANY
 - B. CITY OF O'FALLON SEWERS
 - C. CITY OF O'FALLON WATER
 - D. ST. CHARLES GAS COMPANY
 - E. COMTEL TELEPHONE COMPANY
 - F. O'FALLON FIRE DISTRICT
- CITY OF O'FALLON SHALL BE NOTIFIED AT LEAST 48 HOURS PRIOR TO CONSTRUCTION OF SANITARY SEWERS FOR COORDINATION AND INSPECTION.

LEGEND OF SYMBOLS

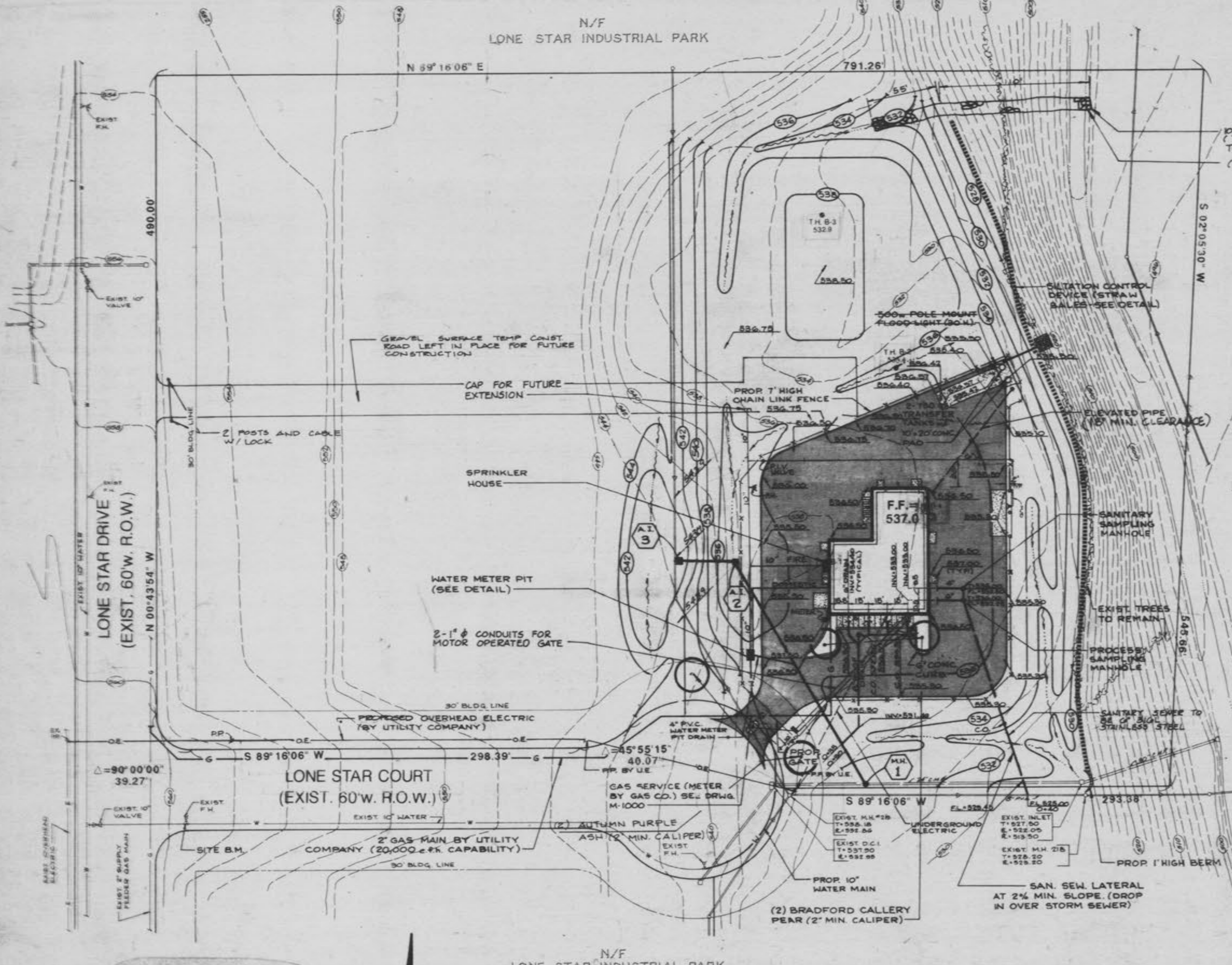
| DESCRIPTION | EXIST | PROP. |
|--------------------------|-------|-------|
| CONTOUR | --- | --- |
| STORM SEWER | --- | --- |
| SANITARY SEWER (LATERAL) | --- | --- |
| FIRE HYDRANT | + | + |
| POWER POLE | + | + |
| ELECTRIC LINE | --- | --- |
| GAS LINE | --- | --- |
| WATER LINE | --- | --- |
| SWALE | --- | --- |
| CONCRETE PAVEMENT | --- | --- |
| ASPHALT PAVEMENT | --- | --- |
| FLOOD LIGHT (WALL MOUNT) | + | + |
| FLOOD LIGHT (POLE MOUNT) | + | + |
| CLEAN-OUT | + | + |
| FENCE | --- | --- |
| MAIN ENTRY | + | + |

ABBREVIATIONS

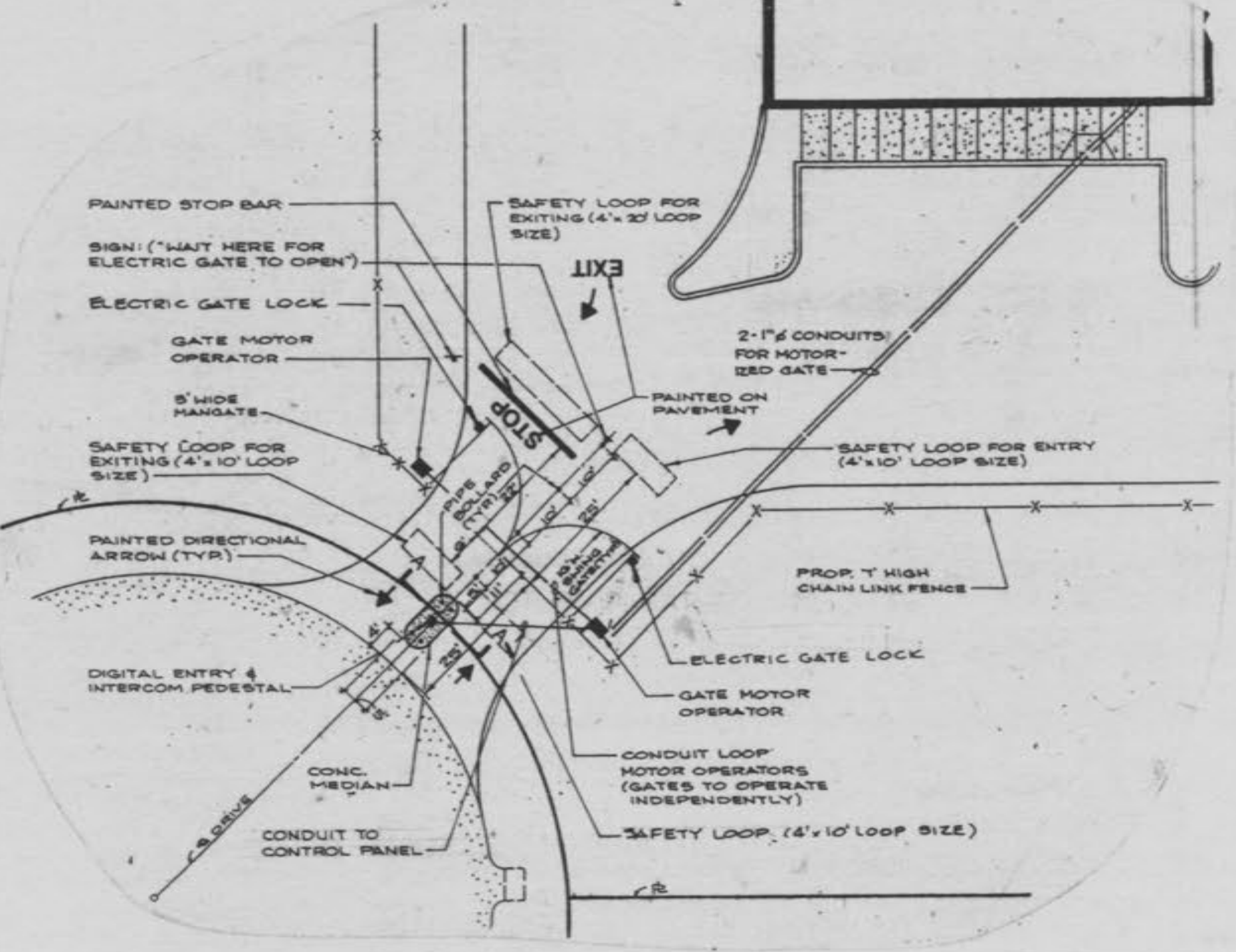
| | |
|-------------------|------|
| BENCH MARK | B.M. |
| CLEAN-OUT | C.O. |
| FINISH FLOOR | F.F. |
| FIRE HYDRANT | F.H. |
| HANDICAP | H.C. |
| MANHOLE | M.H. |
| OVERHEAD ELECTRIC | O.E. |
| TEST HOLE | T.H. |



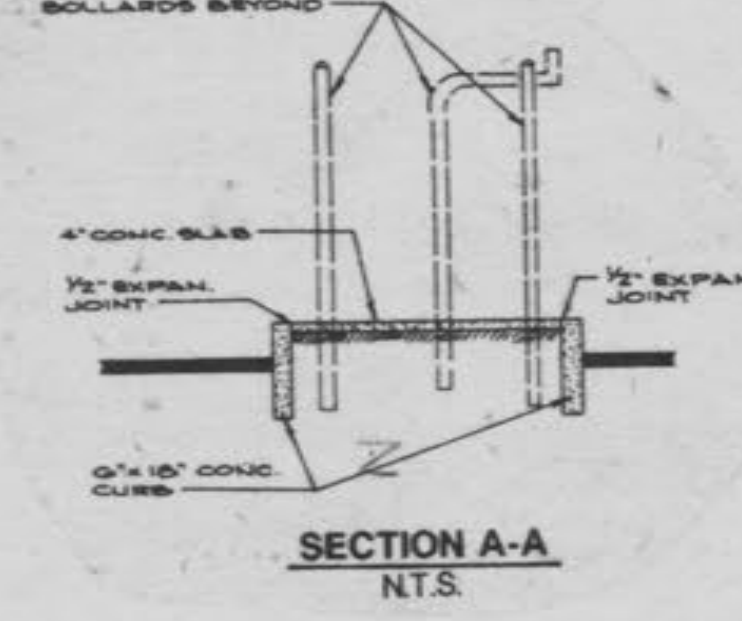
HORIZONTAL CONTROL PLAN
 SCALE 1"=50'



GRADING PLAN
 SCALE 1"=50'



DOUBLE MOTOR OPERATED SWING GATE
 SCALE: 1"=20'



NOTE: SOIL TEST HOLES WERE OBTAINED FROM A PRELIMINARY REPORT PREPARED BY WOODWARD CLOYDE CONSULTANTS, DATED DEC. 6, 1988.

OUTBOUNDARY SURVEY INFORMATION SHOWN ON THIS PLAN WAS OBTAINED FROM A PLAT PREPARED BY PICKETT, HAY, & SILVER INC., DATED DEC. 7, 1988.

| NO. | DATE | DESCRIPTION OF REVISION OR ISSUE | BY | CHK. | APP. |
|-----|---------|---|-----|------|------|
| 1 | 8-25-89 | AS-BUILT | DM | JPT | JPT |
| 2 | 6-5-89 | NOTE REV. | JPT | JPT | JPT |
| 3 | 4-4-89 | GENERAL ANHEUSER-BUSCH REVISION | DMB | JPT | JPT |
| 4 | 3-28-89 | MOTOR OPERATED GATE | DMB | JPT | JPT |
| 5 | 2-28-89 | MOTOR OPERATED GATE / FLOOR DRAIN & PROFILE | DMB | JPT | JPT |
| 6 | 1-28-89 | CITY OF O'FALLON | DMB | JPT | JPT |
| 7 | 1-28-89 | WATER & ELECTRIC | DMB | JPT | JPT |
| 8 | 1-4-89 | WATER & ELECTRIC | DMB | JPT | JPT |

PROPERTY OF CITY OF O'FALLON BUILDINGS DEPARTMENT

ANHEUSER-BUSCH COMPANIES
 ANHEUSER-BUSCH, INC.
 O'FALLON, MO.

CIVIL SITE & GRADING PLAN

BLDG. NAME: PILOT PLANT

ENGINEER APPROVED: [Signature] OWNER APPROVED: [Signature]

PLANT: OPB - 1 - C - 1000

PROJ. NO. 1038

DESIGNED: JPT
 DRAWN: DPT
 CHECKED: [Signature]
 SCALE: 1"=50'
 DATE: DEC. 23, 1988

CONSULTANT: CLC
 Colman/Lester Corporation
 Consulting Engineers & Surveyors
 1225 South Tower Ferry Road
 Chesterfield, Missouri 63017
 (314) 636-3927