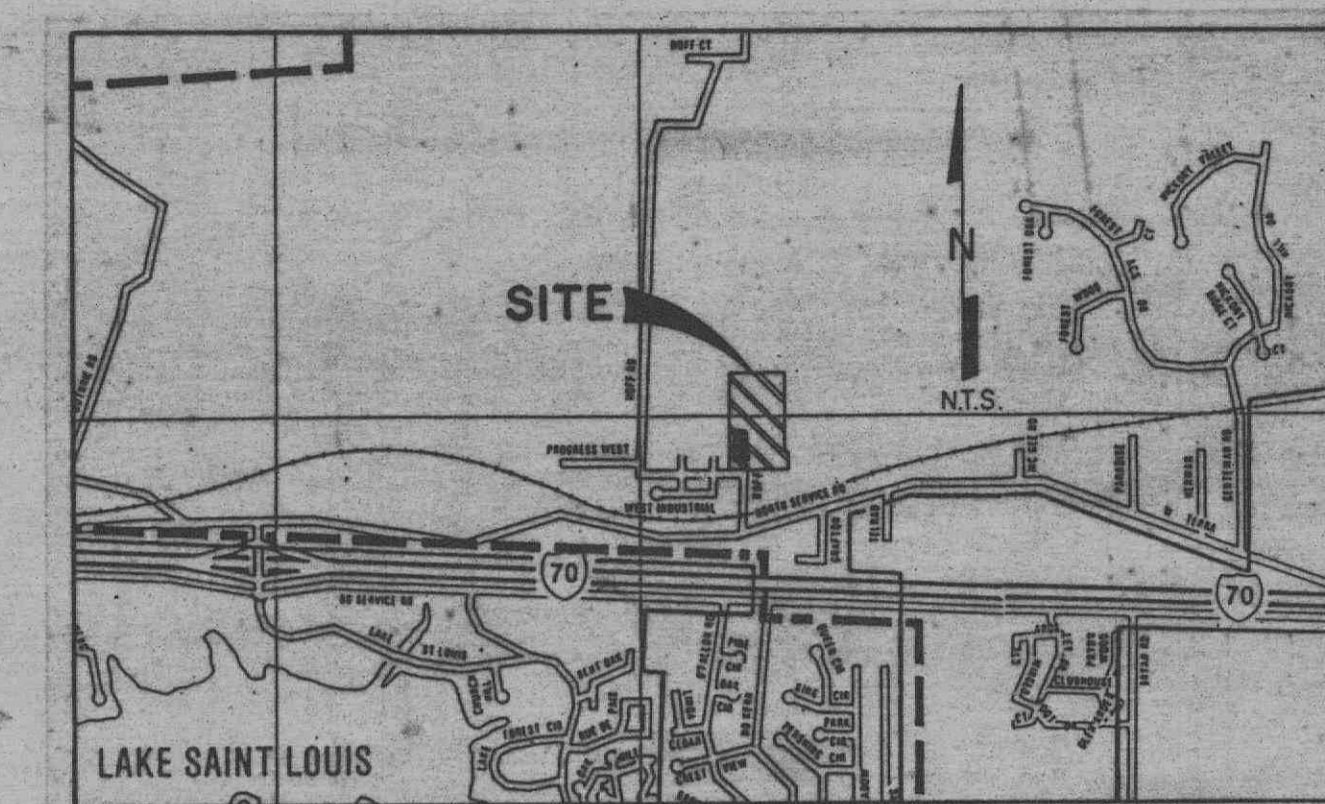
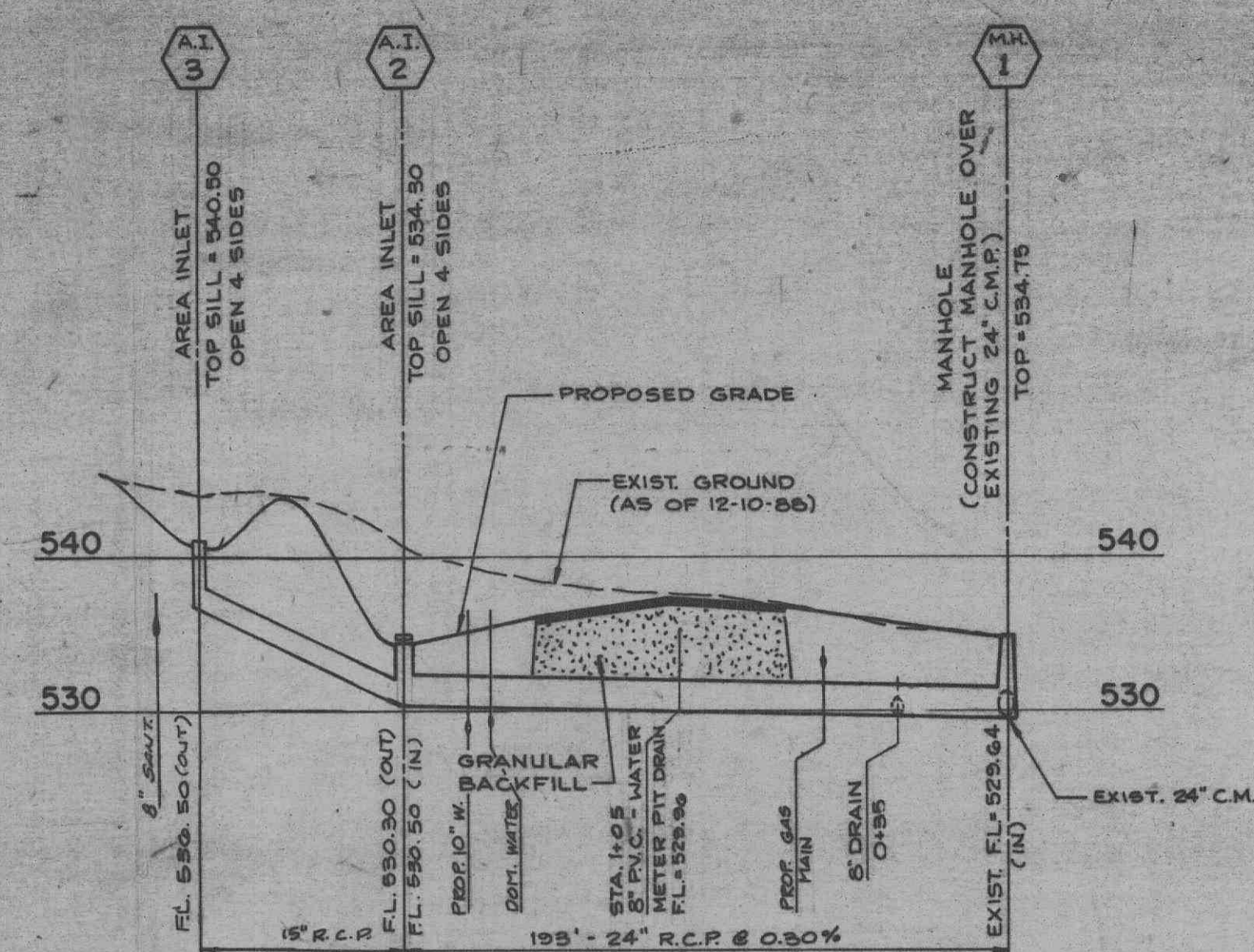


ANHEUSER-BUSCH - PILOT PLANT

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"=50' HORIZ. 1"=10' VERT.

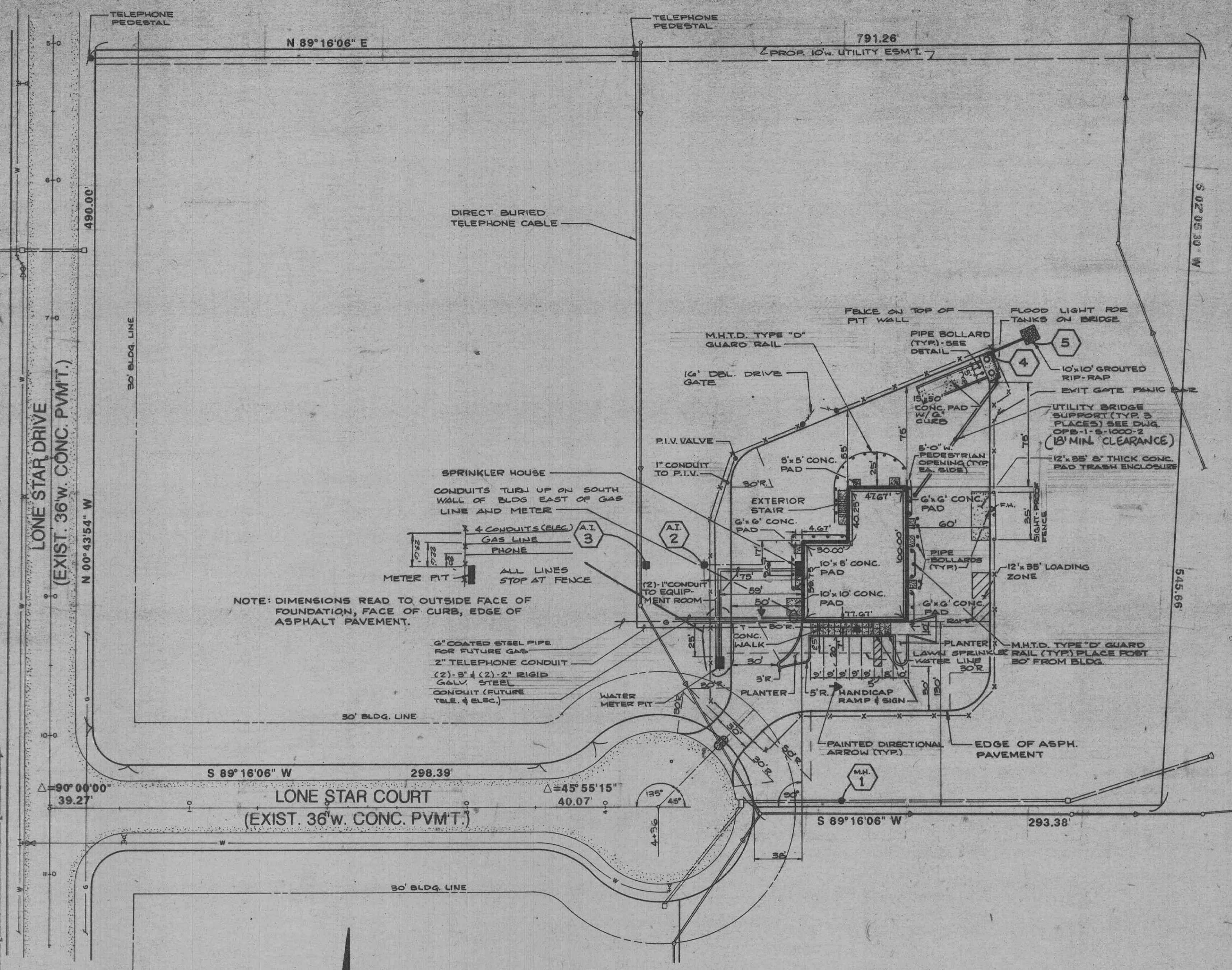
- GAS, WATER AND OTHER UNDERGROUND UTILITIES SHALL NOT CONFLICT WITH THE DEPTH OR HORIZONTAL LOCATION OF EXISTING AND PROPOSED SANITARY AND STORM SEWERS, INCLUDING HOUSE LATERALS.
  - POLYETHYLENE GLASS FIBER REINFORCED PLASTIC (FRP) SHALL CONFORM TO THE REQUIREMENTS OF ASTM D-3384 STANDARD SPECIFICATION FOR THE FRP POLYETHYLENE GLASS FIBER REINFORCED PLASTIC (FRP) SEWER PIPE AND FITTINGS, SDR-35.
  - STORM SEWERS 18" IN DIAMETER OR SMALLER SHALL BE ASTM C-14.
  - STORM SEWERS 21" IN DIAMETER OR LARGER SHALL BE ASTM C-76, CLASS 11.
  - ALL STORM SEWER PIPE UNDER PAVEMENT, REGARDLESS OF SIZE, SHALL BE REINFORCED CONCRETE PIPE (ASTM C76, CLASS 11) UNLESS NOTED OTHERWISE ON THE PLAN.
  - ALL FILLED PLACES UNDER BUILDINGS, PROPOSED SANITARY AND STORM SEWER LINES, AND/OR PAVED AREAS INCLUDING TRENCH BACKFILLS SHALL BE COMPACTED TO 90% OF RELATIVE DENSITY AS DETERMINED BY THE MODIFIED A.A.H.W. 1.500 CONNECTION TEST (ASTM D-1557) UNLESS OTHERWISE SPECIFIED BY THE LOCAL GOVERNING AUTHORITY SPECIFICATIONS. ALL TESTS WILL BE NOTIFIED BY A SOILS ENGINEER.
  - ALL STORM AND SANITARY TRENCH BACKFILLS SHALL BE **HOMOGENEOUS COMPACTED GRANULAR FILL** WILL 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 SLOPED OR SEVERE AND PROTECTED.
  - 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.W.W.A. SPECIFICATION C-106 AND/OR C-100. THE CAST IRON FITTINGS SHALL CONFORM TO A.W.W.A. SPECIFICATION C-110. ALL RUBBER GASKET JOINTS FOR WATER CAST IRON PRESSURE PIPE AND FITTINGS SHALL CONFORM TO A.W.W.A. SPECIFICATION C-111.
  - ALL PVC WATER PIPE SHALL HAVE A MINIMUM PRESSURE RATING OF PR-200 OR SDR-21.
  - ALL PVC SANITARY SEWER PIPE SHALL BE HDPE OR HDPE WITH CHLORIDE STONE RESIN UNLESS OTHERWISE NOTED BETWEEN 1" AND 1 1/4" SIZE. THIS SIZING SHALL EXTEND FROM 6" BELOW THE PIPE TO 12" ABOVE THE TOP OF THE PIPE.
  - ALL SANITARY MANHOLES SHALL HAVE A 31 MIL THICK COAT OF COAL TAR PITCH WATERPROOFING.
  - MANHOLE FRAME AND COVER SHALL BE CLAY AND BAILEY NO. 2008 FOR MANHOLE A-1736 OR DEETER 1315 OR APPROVED EQUAL.
16. 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. CONTEL 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

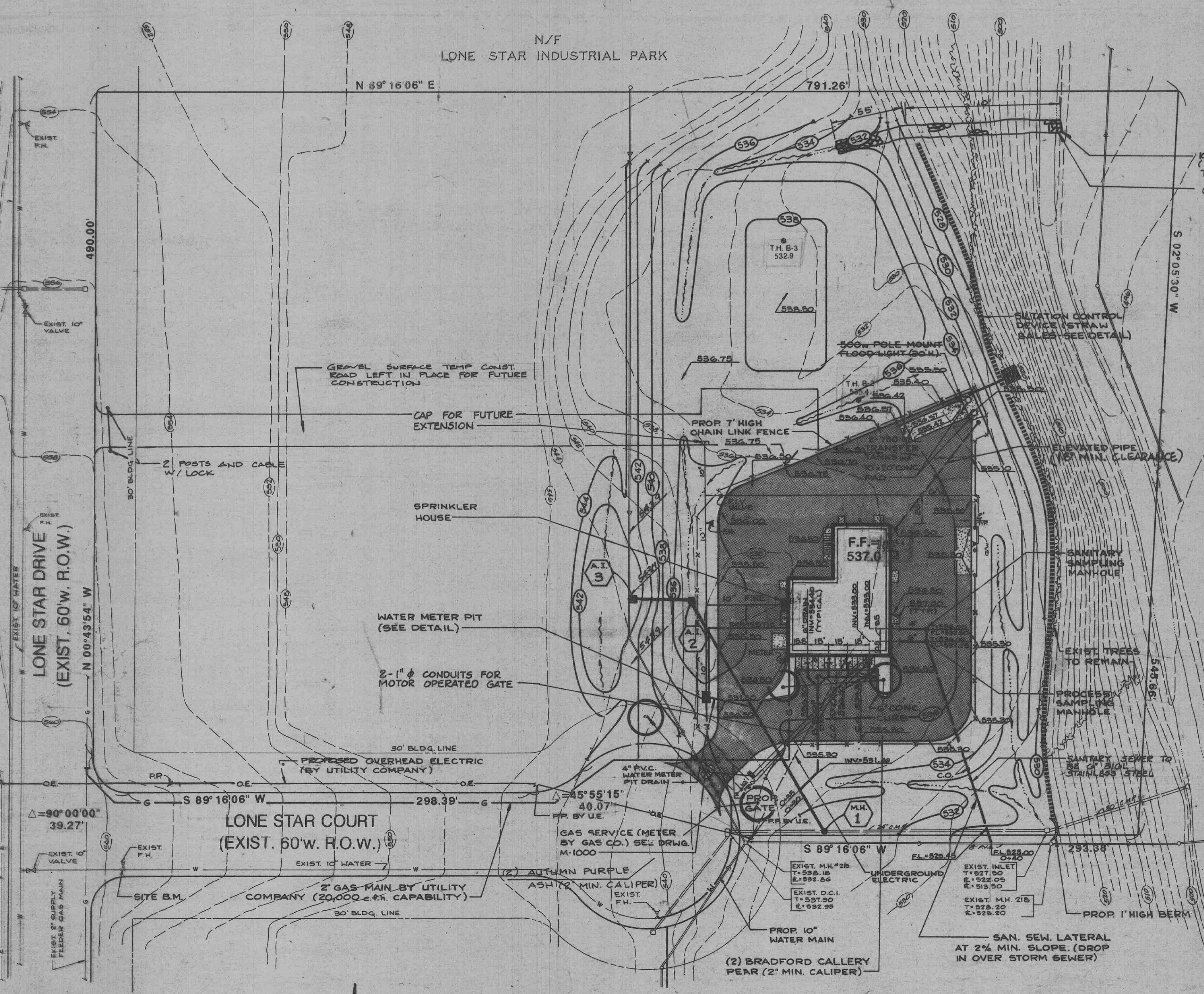
DESCRIPTION	EXIST.	PROP.
CONTOUR	---	---
STORM SEWER	---	---
SANITARY SEWER (LATERAL)	---	---
FIRE HYDRANT	●	●
POWER POLE	⊥	⊥
ELECTRIC LINE	---	---
GAS LINE	---	---
WATER LINE	---	---
SWALE	---	---
CONCRETE PAVEMENT	---	---
ASPHALT PAVEMENT	---	---
FLOOD LIGHT (WALL MOUNT)	⊥	⊥
FLOOD LIGHT (POLE MOUNT)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

ABBREVIATIONS

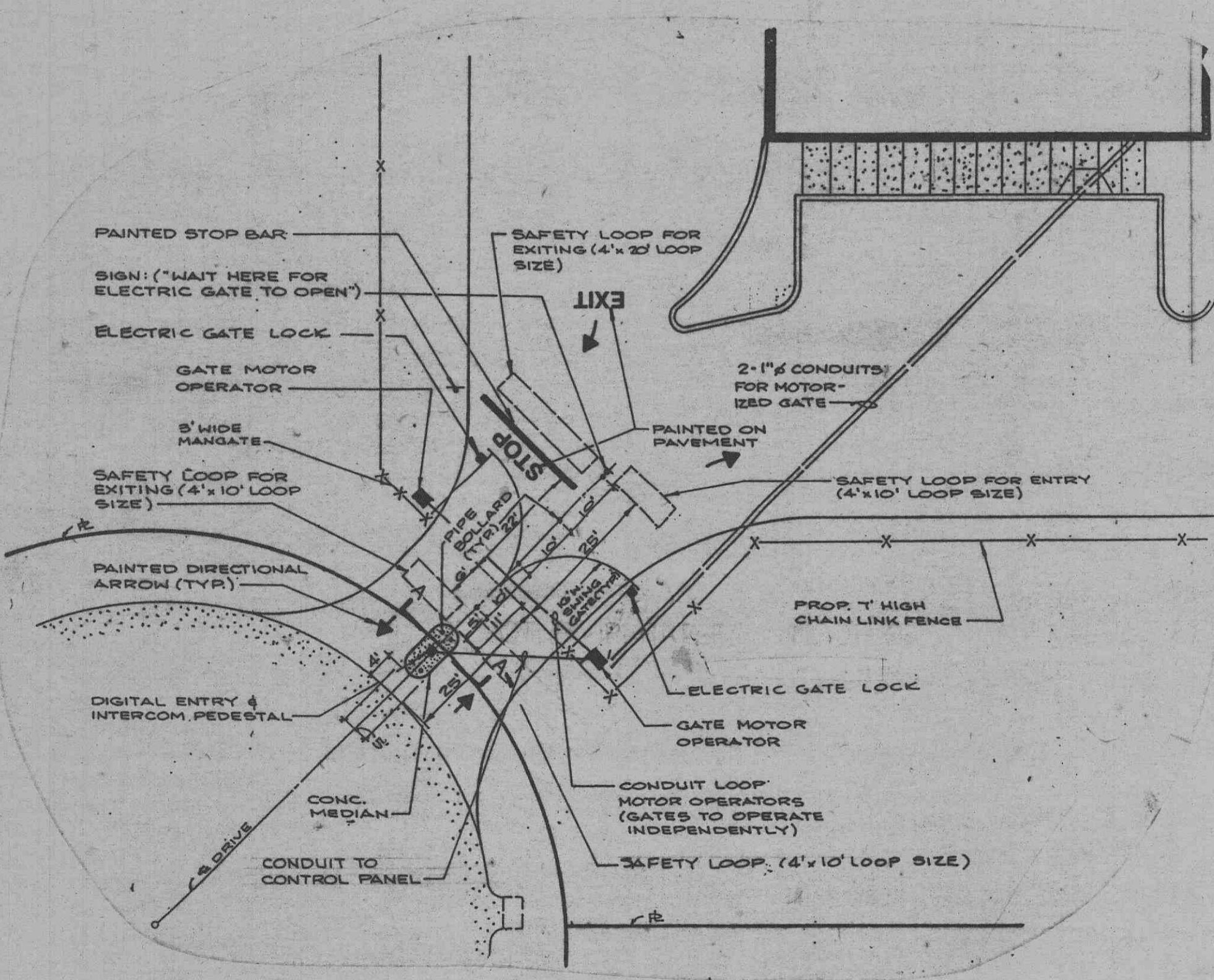
BENCH MARK	B.M.
CLEAN-OUT	C.O.
FINISH FLOOR	F.F.
FIRE HYDRANT	F.H.
HANDICAP	H.C.
MANHOLE	M.H.
OVERHEAD ELECTRIC	O.E.
TEST HOLE	T.H.



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 CLYDE CONSULTANTS, DATED DEC. 6, 1988.

OUTBOUNDARY SURVEY INFORMATION SHOWN ON THIS PLAN WAS OBTAINED FROM A PLAT PREPARED BY PICKETT, RAY, & SILVER INC., DATED DEC. 7, 1986.

PROPERTY OF  
CITY OF O'FALLON  
BUILDING DEPARTMENT

CONSULTANT  
**CLC**  
Calton/Lester Corporation  
Consulting Engineers & Surveyors  
1422 South Center Ferry Road  
O'Fallon, Missouri 63367  
(314) 875-7007

NO.	DATE	DESCRIPTION OF REVISION OR ISSUE	BY	CHK.	APP.
1	1-8-89	WATER & ELECTRIC	DM	JPT	JPT
2	1-8-89	WATER & ELECTRIC	DM	JPT	JPT
3	2-29-89	MOTOR OPERATED GATE / FLOOR DRAIN (E PROFILE)	DM	JPT	JPT
4	4-4-89	GENERAL ANHEUSER-BUSCH REVISION	DM	JPT	JPT
5	6-5-89	NOTE REV.	JPT	JPT	JPT
6	8-27-89	AS-BUILT	DM	JPT	JPT

DESIGNED	JPT	<p>ANHEUSER-BUSCH COMPANIES ANHEUSER-BUSCH, INC. O'FALLON, MO.</p> <p>CIVIL SITE &amp; GRADING PLAN</p>	<p>PROJ. 1038</p>
DRAWN	DPT		
CHECKED			
SCALE	1"=50'		
DATE	DEC. 23, 1988	<p>BLDG. NAME PILOT PLANT</p> <p>ENGINEER APPROVED</p> <p>OWNER APPROVED</p>	
<p>PLANT BLDG. NO. DIV. DRG. NO. REV.</p> <p>OPB - 1 - C - 1000 - 1</p>			