## City of O'Fallon

### General Notes

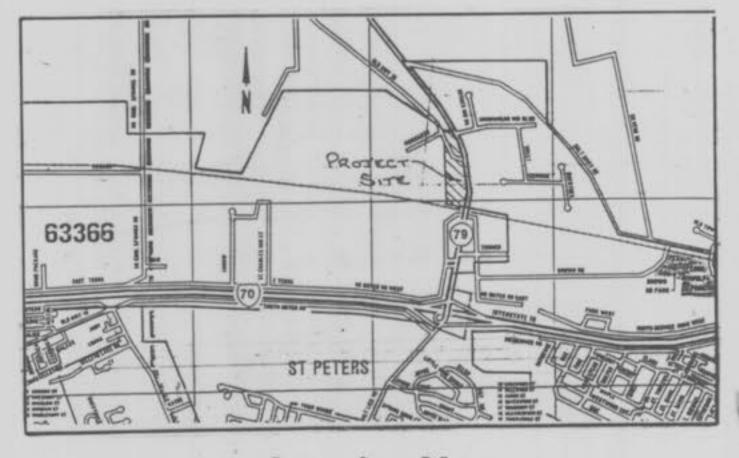
- 1. Gas, water and other underground utilities shall not conflict with the depth or horizontal locations of existing and proposed sanitary and storm sewers, including house laterals.
- 2. Underground utilities have been plotted from available information and, therefore, their locations must be considerd approximate only. The verification of the location of all underground utilities, either shown or not shown on these plan, shall be the responsibility of the contractor, and shall be located prior to grading or construction of improvements.
- 3. Polyvinyl Chloride (PVC) shall conform to the requirements of ASTM D-3034 Standard Specifications for the PSM Polyvinyl Chloride (PVC) Sewer Pipe and Fittings, SDR-35.
- 4. Storm sewers 18" in diameter or smaller shall be ASTM C-14.
- 5. Storm sewers 21" in diameter or larger shall be ASTM C-76, Class II.
- 6. All storm sewer pipe under pavement, regardless of size, shall be reinforced concrete pipe (ASTM C-76, Class III) unless noted otherwise on the plans.
- 7. Corrugated metal pipe shall conform to the standard specifications for corrugated culvert pipe M-36, A.A.S.H.O. See plans for gauge.
- 8. 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.
- 9. All earthen 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.
- 10. All storm and sanitary trench backfills shall be water jetted. Granular fill will be used under paved areas.
- 11. 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.
- 12. No area shall be cleared without the permission of the developer.
- 13.11 All grade shall be within 0.2 feet (more or less) of those shown on the grading plan.
- 14. No slope shall be greater than 3:1 and shall be either sodded or seeded and mulched.
- 15. Hazard markers will consist of three (3) standard specification, "Manual on Uniform Traffic Control Devices", end of roadway markers mounted on two (2) pound "U" channel sign post. Each marker shall consist of an eighteen (18) inch diamond reflectorized red panel. The bottom of each panel shall be mounted a minimum of four (4) feet above the elevation of the pavement surface.
- 16. All manhole and curb 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 curb and grate 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.
- 17. All standard street curb inlets to have front of inlet 2 feet behind curb.
- 18. The minimum vertical distance from the low point of the basement to the flowline of a sanitary sewer at the corresponding house connection shall not be less than the diameter of the sanitary sewer plus a vertical distance of not less than 2-1/2 feet.
- 19. Water Lines, valves, sleeves, meters and etc. shall meet all specifications and installation requirements of the local governing authority.
- 20. All cast iron pipe for water mains shall conform to A.W.W.A. specification C-106 and/or C-108. The cast iron fittings shall conform to A.W.W.A. specification C-110. All rubber qasket joints for water cast iron pressure pipe and fittings shall conform to A.W.W.A. specification C-111.
- 21. All water hydrants and valves shall be cast iron and installed in accordance with plans and details.
- 22. All sanitary and storm sowers shall meet all specifications and installation requirements of the local governing
- 23. All PVC water pipe shall have a minimum pressure rating of PR-200 or SDR-21.
- 24. All PVC sanitary sewer pipe shall be DR-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.
- 25. All grading on Missouri State Highway Right-of-Way shall be seeded and mulched and all disturbed Right-of-Way markers shall be reset at the completion of grading.
- 26. All streets must meet the specifications and installation requirements of the City of O'Fallon.
- 27. All sanitary manhole tops shall be set 0.2' higher than the proposed ground except in pavement areas.
- 28. All sanitary manholes shall have a 31 mil thick coat of coal tar pitch waterproofing.
- 29. All sanitary service lines shall have a 6" diameter for Multi-family and a 4" diameter for Single-family developments.
- 30. Manhole frame and cover shall be Clay and Bailey No. 2008 for Neenah R-1736 or Deeter 1315 or approved equal.
- 31. A drop of 0.2 feet is required through each sanitary manhole.
- 32. The City of O'Fallon shall be notified at least 48 hours prior to construction of sanitary sewers for coordination and inspection.
- 33. Brick shall not be used on manholes.
- 34. Sewer contractor shall maintain 24' vertical separation between all storm sewers and the sludge force main. Contractor shall be responsible for verifying separation prior to storm sewer installation.
- 35. This tract is served by:

Electric - Union Electric Company Sanitary - City of O'Fallon Water - City of O'Fallon Telephone - Continental Telephone Company Natural Gas - St. Charles Gas Company Fire District - St. Peters Fire District

# SALT RIVER INDUSTRIAL PARK

A TRACT OF LAND BEING PART OF U.S. SURVEY 731 TOWNSHIP 47 NORTH-RANGE 3 EAST ST. CHARLES COUNTY, MISSOURI

# "AS-BUILTS"



Location Map

This is to certify to City of OFallon that these "As-Built" sewer plans are based on actual field surveys conducted during May , 19 9/ and the results are

by Pickett Ray & Silver

5/15/91 Date

## Index

Sheet	Description
1	COVER SHEET
2-3	GRADING PLAN
4-5	DRAINAGE AREA MAP
(4)18	SEWER PROFILES
_	STREET PROFILES &
7	PAVEMENT DETAILS
8-11	CONSTRUCTION DETAILS

## Benchmark

RM 70 A standard disc. stamped H-149 1980, in the middle of the West pier base under Highway 79 at Norfolk & Western Railroad, Reset 1980. Elev. 505.026

TBM 70-1 Top 2" dip at the Southwest corner or property. Elev. 503.96

TBM 70-3 Found " 0 " chiseled in box culvert at Sta. 518+00, 30' Lt. - Highway 79.

## Legend

-0-	Sanitary Sewer (Proposed)	c.i.	Curb Inlet
=0=	Sanitary Sewer (Existing)	D.C.I.	Double Curb Inlet
0	Storm Sewer (Proposed)	G.I.	Grate Inlet
==0==	Storm Sewer (Existing)	A.I.	Area Inlet
_8×_	Water Line & Size	D.A.I.	Double Area Inlet
<u>}</u> −∞	Tee & Valve	C.C.	Concrete Collar
Q	Hydrant	F.E.	Flared End Section
	Cap	E.P.	End Pipe
18	Lot or Building Number	E.D.	Energy Dissipator
-x-	Existing Fence Line	M.H.	Manhole
-0.0	Existing Tree Line	C.P.	Concrete Pipe
5 5	Street Sign	R.C.P.	Reinforced Concrete Pipe
◁	Direction of Proposed Residence	C.M.P.	Corrugated Metal Pipe
3000	Existing Contour	C.I.P:	Cast Iron Pipe
5240	Proposed Contour	P.V.C.	Polyvinyl Chloride
	Grouted Rip-Rap	V.C.P.	Vitrified Clay Pipe
T	End of Lateral	C.O.	Clean Out
<b>運</b>	Asphalt Pavement	V.T.	Vent Trap
	Concrete Pavement		
(2) (P)	Storm/Sanitary Structure		
0	Test Hole		

"AS-BUILTS"

PICKETT RAY & SILVER ENGINEERS AUTHENTICATION The responsibility for professional engineering liability on this project is hereby limited to the set of plans authenticated by the ivil Engineers seel, signeture and date hereunder attached. Responsibility is disclaimed for all other engineering plans involved in the project. and specifically excludes revisions after this date unless Land Surveyors reauthenticated. PICKETT, BAY & SILVER, INC. PREPARED FOR:

PICKETT

14011016

Power Pole

- Light Standard

DIDION MANUFACTURING CO. 30 Patmos Court Peters, MO. 63376 (314) 928-1940

333 Mid Rivers Mall Dr.

441-1211 278-1211

DATE 9.28-90 CHECKED D.B. PROJECT # 80-160 JOB ORDER # 19500



be on sits during grading operations.

be provided with temporary ditches.

be implemented as soon as possible. Wo graded area is to be allowed to remain bare over the vinter without being seeded

and sulched. Care should be exercised to prevent soil from damaging adjacent property and militing up existing downstream storm drainage systems.

building or structure which is scheduled to be raxed for

Soft soils in the bottom and banks of any existing or former

pond site should be removed, spread out and permitted to dry sufficiently to be used as fill. Mone of this material

should be placed in proposed public right-of-way locations or on storm sewer locations.

Site preparation includes the clearance of all stumps, trees, bushes, shrubs, and veeds; the grubbing and removal

of roots and other surface obstructions from the site; and

the demolition and removal of any man-made structures. The unsuitable material shall be properly disposed of off-site. Topsoil and grass in the fill areas shall be thoroughly

disced prior to the placement of any fill. The Soils Engineer shall approve the discing operation.

6. Debris and foundation material from any existing on-site

7. Any/ existing trash and debris currently on this project

this development must be disposed of off-site

must be removed and disposed of off-site

frework the rejected portion of fill and obtain notification from the Soils Engineer of its acceptance prior to the

All areas to receive fill shall be scarified to a depth of

percent of the meximum density as determined by the Hodified

AASHTO T-1800 Compaction Test (ASTM-0-1557). Matural slopes

steeper than 1 vertical to 5 horizontal to receive fill

shall, have horizontal banches, with minimum widths of 10

before the placement of any fill. The fill shall be lockely

thickness and compacted in accordance with the specifications given below. The Soils Engineer shall be

responsible for determining the acceptability of soils placed. Any unacceptable soils places shall be removed at the Contractor's expense.

sequence. The acceptable moisture contents during the

filling operation are those at which satisfactory dry densities can be obtained. The acceptable meisture contents

during the filling operation in the remaining areas are from

placed in horizontal layers not exceeding 8 inches

14. The sequence of operation in the fill areas will be fill, compact, verify acceptable soil density, and repatition of

2 to 8 percent above the optimum moisture control.

placement of additional fill.

FILI in building areas.

Fill under slabe, walks and pavements Fill dther than building areas

modified Proctor rest (ASTM 0 1557).

17. NO SLOPE SHALL BE GREATER THAN ET.

Measured as a percent of the maxisum dry density as determined by

Moisture content must be within 2 percent below or 4 percent

above optimum moisture content if fill is deeper than 10 feet.

GOVERHING AUTHORITY - CITY OF O'FRILING

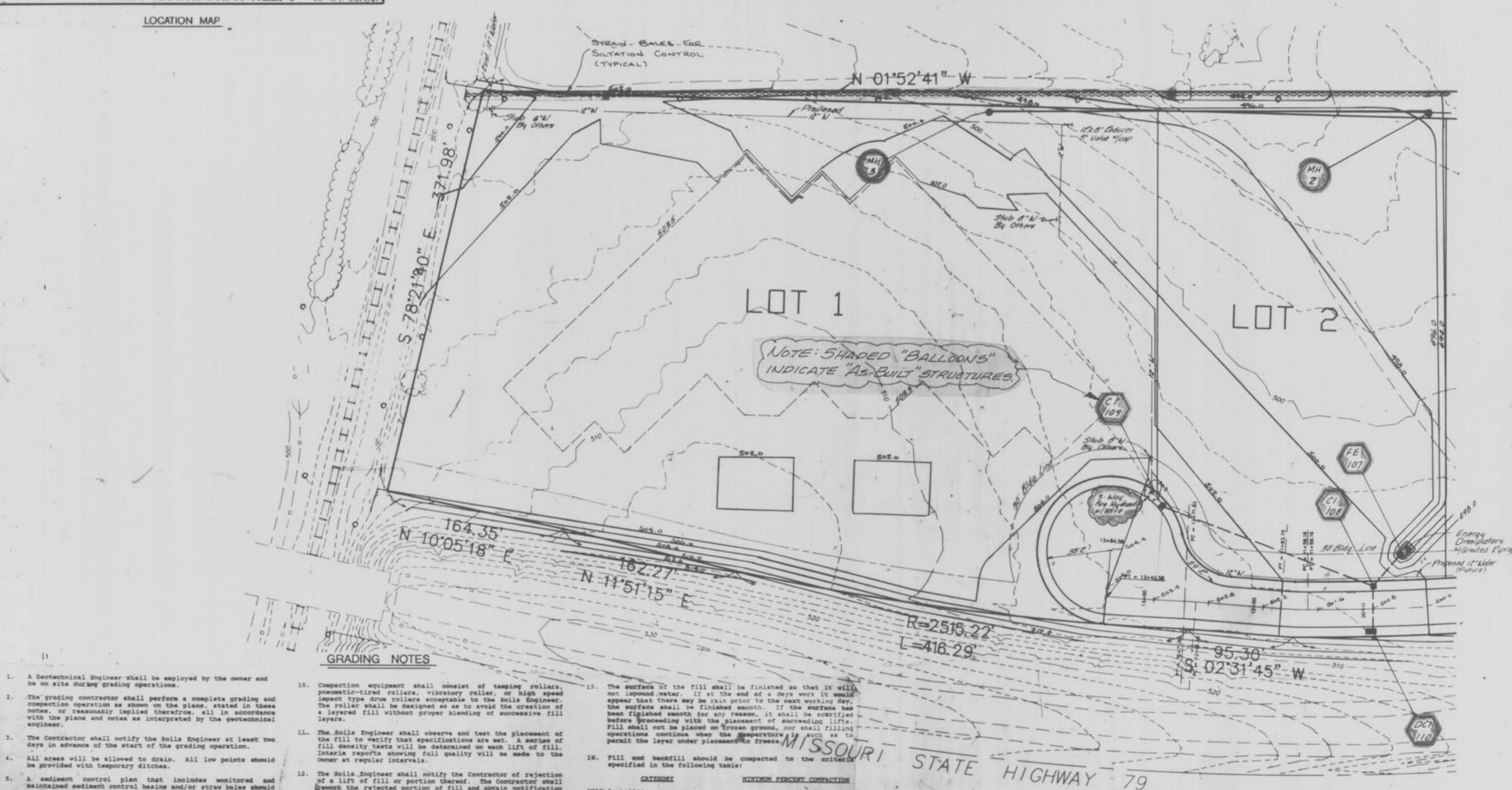
below footings

Watural subgrade

Pavement subgrade

## SALT RIVER INDUSTRIAL PARK

A TRACT OF LAND BEING PART OF U.S. SURVEY 731 TOWNSHIP 47 NORTH RANGE 3 EAST ST. CHARLES COUNTY, MISSOURI



## DESCRIPTION

## 16.233 Acres

East, 205.40 feet to a point; THENCE, South 67 17'06' East, 168.19 feet to an old right-of-way marker; THENCE, South 71 10 02 East, 134.21 feet to a point on the new right-of-way line of Missouri State Highway 79: THENCE, along said right-of-way line in a Southwardly direction along a curve to the right having a radial bearing of South 72°37'39" West, a central angle of 15°48'43" and an arc length of 695.50 feet to a point: THENCE, South 02°31'45" West, 95.30 feet to a point; THENCE, in a Southwardly direction along a curve to the right having a radial bearing of North 89923'40" West, a central angle of 09°28'59" and an arc length of 416.29 feet to a point; THENCE, South 11°51'15" West, 162.27 feet to a point; THENCE, South 10°05'18" West, 164.35 feet to the point of intersection on the Northern line of a Wabash Railroad right-of-way; THENCE, along said right-of-way line North 78°21'40" West, 371.98 feet to an old iron pipe two inches in diameter; THENCE, leaving said right-of-way line along the Westernmost line of a tract of land described as Parcel 4 in a deed in Book 582, Pages 854-859, North 01°52'41" West, 1,704.30 feet to the Point of MiGrauted Exprap Beginning and containing 16.233 acres, more or less, as surveyed by Pickett, Ray & Silver, Inc. during January of 1989.

# GRAPHIC SCALE

"AS-BUILTS"

## PICKETT RAY & SILVER

Detention bagin to be built for the entire industrial park at the time of Lot 1, Phase 2 development or any other development in this tract. The location of the detention Land Surveyors

333 Mid Rivers Moll Dr. St. Peters, MO 63376 441-1211 276-1211

## SALT RIVER INDUSTRIAL PARK

DRAWN D.POTTHAST DATE 8-30-90

1-21-91 Eavised Per City of O'Fallon . 30' Bldg. Line

Prepared For: DIDION MANUFACTURING CO. 30 Patmos Court St. Peters, MO. 63376

Any trees removed or destructed during grading shall be replaced at a rate of 15 trees per acre within 2 years after completion of

of development.

Planning and Zoning Commission.

## (314) 928-1940

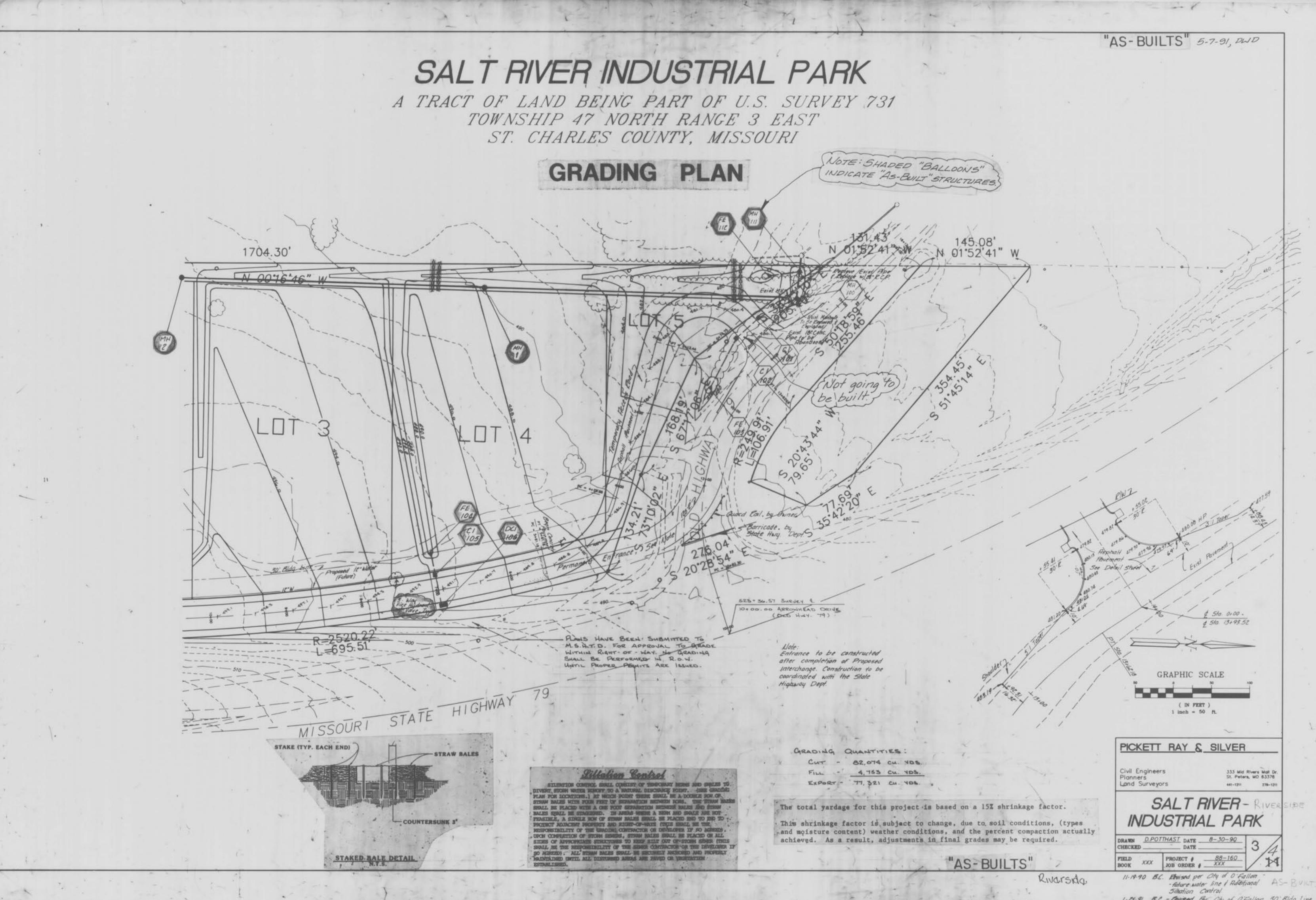
Puture 12" water line shall extend to the northwest corner

of Lot 5. Actual location shall be determined at the time

basin will be shown on the next site plan submitted to the

Rivarside Ind.

PROJECT # 88-160
JOB ORDER # XXX 11-19-90 B.C. Levised per City of O'Follon- Energy Diss & Notes



1-85.91 B.C. - Levised Per Chy of O'Fallon, 30 Bldg Line

