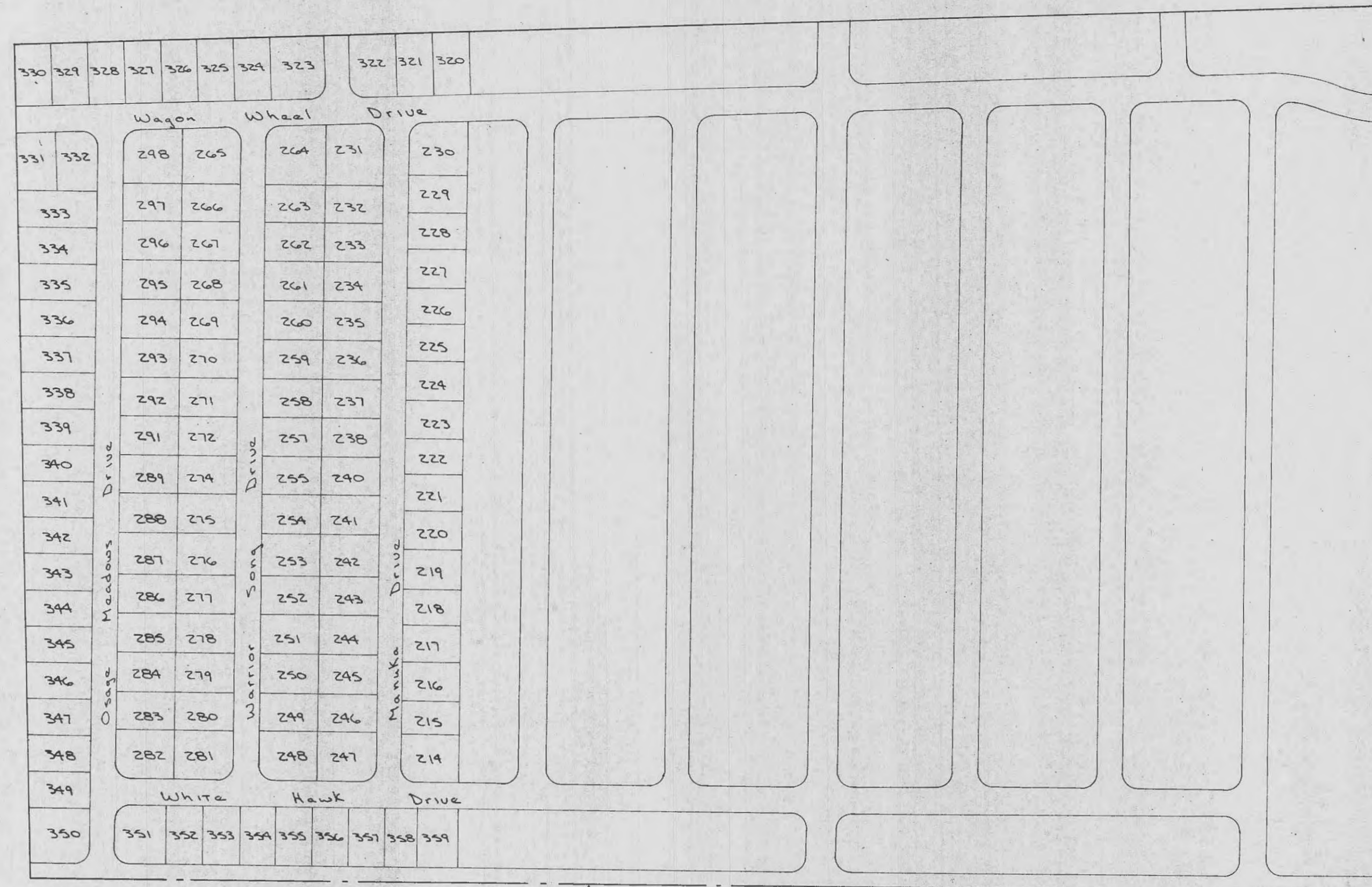


GENERAL NOTES

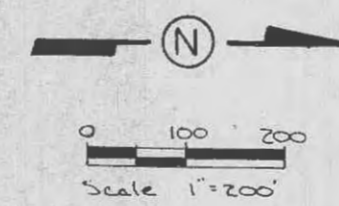
- Gas, water and other underground utilities shall not conflict with the depth or horizontal location of existing and proposed sanitary and storm sewers including house laterals.
- Underground utilities have been plotted from available information and therefore their locations must be considered approximate only. The verification of the location of all underground utilities, either shown or not shown on these plans shall be the responsibility of the contractor, and shall be located prior to grading or construction of improvements.
- Polyvinyl Chloride (PVC) shall conform to the requirements of ASTM D-3034 Standard Specifications for the PSM Polyvinyl Chloride (PVC) Sewer Pipe and Fittings, SDR35.
- Storm sewers 18" diameter or smaller shall be A.S.T.M. C-14.
- Storm sewers 21" diameter or larger shall be A.S.T.M. C-76, Class III.
- All storm sewer pipe under pavement, regardless of size, shall be reinforced concrete pipe (A.S.T.M. C-76, Class III) unless noted otherwise on the plans.
- Corrugated metal pipe shall conform to the standard specifications for corrugated culvert pipe M36, A.A.S.H.O. See plans for gauge.
- All filled places under buildings, proposed storm and sanitary 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" (A.S.T.M. D-1557) unless otherwise specified by local governing authority specifications. All tests shall be verified by a Soils Engineer.
- All filled places in paved State, County or City roads (Highways) shall be compacted to 90% of maximum density as determined by the "Standard Proctor Test A.A.S.H.O. T-99" (A.S.T.M. D-698) unless otherwise specified by local governing authority specifications. All tests shall be verified by a Soils Engineer.
- All storm and sanitary trench backfills will be water jetted. Granular backfill will be used under pavement areas.
- 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.
- No area shall be cleared without permission of the developer.
- 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 sodded or seeded and mulched.
- Barricades will consist of three standard 12" x 36" red and white striped scotchlite hazard markers mounted on two pound "U" channel sign post, with bottom of marker seven feet above pavement surface.
- All manhole and catch basin 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.
- All standard street curb inlets to have front of inlet 2 feet behind curb.
- 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 not less than two and one half feet (2-1/2').
- 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-108. 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 water hydrants and valves shall be cast iron and installed in accordance with plans and details.
- All sanitary and storm sewers shall meet all specifications and installation requirements of the local governing authority.
- All P.V.C. water pipe shall have a minimum pressure rating of PR-200 or SDR-21.
- All P.V.C. sanitary sewer pipe to 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 7/10 of the pipe dia. above the bottom of the pipe.
- 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.
- All streets must meet the specifications and installation requirements of the City of O'Fallon
- This tract is served by
 - O'Fallon Sewer
 - O'Fallon Water
 - Union Electric
 - O'Fallon Gas
 - Continental Telephone

OSAGE MEADOWS

PLAT FOUR

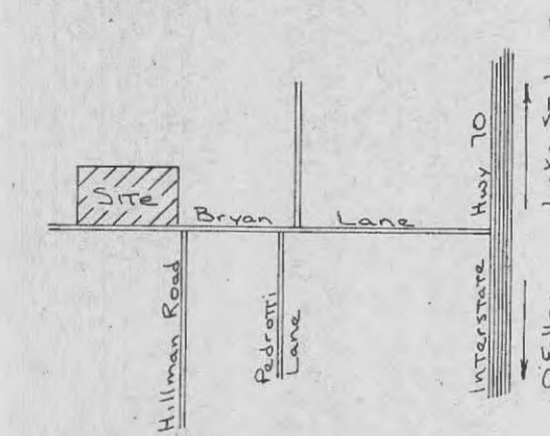


LOCATION MAP:



PROJECT BENCHMARK:

"a" on East Hdq. Bryan Lane 140' South Int. Bryan Lane & Sunburst Drive Elev. 580.55 U.S.G.S.



INDEX

SHEET	DESCRIPTION
1	COVER SHEET
2	FLAT PLAN
3	GRADING PLAN
4-6	STREET PROFILES
7-9	SANITARY SEWER
10-11	STORM SEWER PR
12	DRAINAGE AREA M
13-15	CONSTRUCTION DE

LEGEND

D.A.I.	Double Area Inlet
C.I.	Curb Inlet
D.C.I.	Double Curb Inlet
A.I.	Area Inlet
G.I.	Gate Inlet
M.H.	Manhole
F.E.S.	Flared end section
E.P.	End pipe
C.P.	Concrete pipe
R.C.P.	Reinforced concrete pipe
C.M.P.	Corrugated metal pipe
C.I.P.	Cast iron pipe
P.V.C.	Polyvinyl chloride pipe
V.C.P.	Vitrified clay pipe
C.O.	Clean out
V.T.	Vent trap
—	Storm sewer (proposed)
—	Sanitary sewer (proposed)
—	Existing contour
—	Proposed contour
—	Street sign
—	End of lateral
—	Lateral
—	Lot or building number
—	Test Hole
—	Existing fence line
—	Existing tree line
—	Storm sewer (existing)
—	Sanitary sewer (existing)
—	Water line
—	Tee and valve
—	Cap
—	Hydrant
—	Thrust block

GEORGE E. BUTLER ASSOCIATES, INC.
SUITE 4 - 114 EAST ELM ST.
O'FALLON, MISSOURI 63366

RECEIVED OCT 02 1985

Hand Submitted

	Pickett RAY & SILVER CIVIL ENGINEERS LAND SURVEYORS 349 MID RIVERS DRIVE ST. PETERS, MO. 63376	REV.	DATE	DESCRIPTION
		1	10/2/85	Issue Plat Copy
T.C. INVESTMENT STANLEY COTTO 12 GEORGETOWN ST. LOUIS, MO 63103 PHONE 821-1256		DRAWN BY: <u>INC 24 TTT</u> DATE: <u>JULY</u> CHECKED BY: _____ DATE: _____		

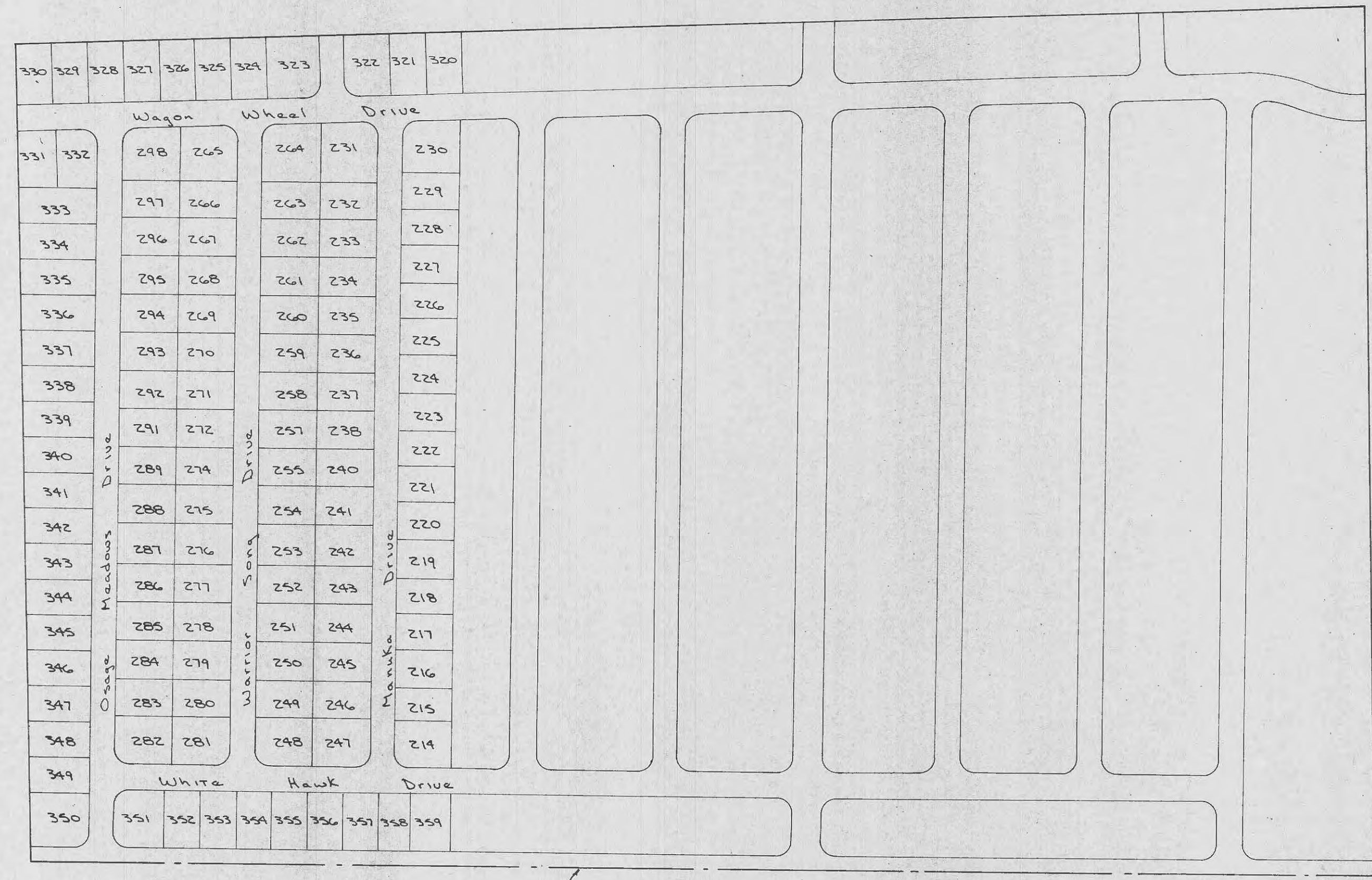
GENERAL NOTES

- 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.
- Underground utilities have been plotted from available information and therefore their locations must be considered approximate only. The verification of the location of all underground utilities, either shown or not shown on these plans shall be the responsibility of the contractor, and shall be located prior to grading or construction of improvements.
- Polyvinyl Chloride (PVC) shall conform to the requirements of ASTM D-3034 Standard Specifications for the PSM Polyvinyl Chloride (PVC) Sewer Pipe and Fittings, SDR35.
- Storm sewers 18" diameter or smaller shall be A.S.T.M. C-14.
- Storm sewers 21" diameter or larger shall be A.S.T.M. C-76, Class III.
- All storm sewer pipe under pavement, regardless of size, shall be reinforced concrete pipe (A.S.T.M. C-76, Class III) unless noted otherwise on the plans.
- Corrugated metal pipe shall conform to the standard specifications for corrugated culvert pipe M36, A.A.S.H.O. See plans for gauge.
- All filled places under buildings, proposed storm and sanitary 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" (A.S.T.M. D-1557) unless otherwise specified by local governing authority specifications. All tests shall be verified by a Soils Engineer.
- All filled places in paved State, County or City roads (Highways) shall be compacted to 90% of maximum density as determined by the "Standard Proctor Test A.A.S.H.O. T-99" (A.S.T.M. D-698) unless otherwise specified by local governing authority specifications. All tests shall be verified by a Soils Engineer.
- All storm and sanitary trench backfills will be water jetted. Granular backfill will be used under pavement areas.
- 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.
- No area shall be cleared without permission of the developer.
- 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 sodded or seeded and mulched.
- Barricades will consist of three standard 12" x 36" red and white striped scotchlite hazard markers mounted on two pound "U" channel sign post, with bottom of marker seven feet above pavement surface.
- All manhole and catch basin 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.
- All standard street curb inlets to have front of inlet 2 feet behind curb.
- 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 not less than two and one half feet (2-1/2').
- 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 AWWA specification C-106 and/or C-108. The cast iron fittings shall conform to AWWA specification C-110. All rubber gasket joints for water cast iron pressure pipe and fittings shall conform to AWWA specification C-111.
- All water hydrants and valves shall be cast iron and installed in accordance with plans and details.
- All sanitary and storm sewers shall meet all specifications and installation requirements of the local governing authority.
- All P.V.C. water pipe shall have a minimum pressure rating of PR-200 or SDR-21.
- All P.V.C. sanitary sewer pipe to 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 7/10 of the pipe dia. above the bottom of the pipe.
- 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.
- All streets must meet the specifications and installation requirements of the City of O'Fallon.
- This tract is served by
 - A. O'Fallon Sewers
 - B. O'Fallon Water
 - C. Union Electric
 - D. O'Fallon Gas
 - E. Continental Telephone

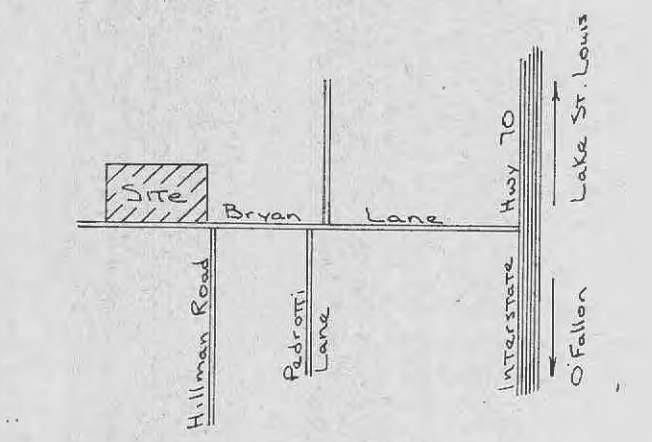
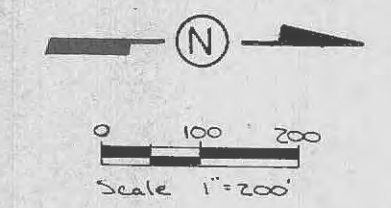
OSAGE MEADOWS

PLAT FOUR

SHEET	DESCRIPTION
1	COVER SHEET
2	FLAT PLAN
3	GRADING PLAN
4-6	STREET PROFILE
7-9	SANITARY SEWER
10-11	STORM SEWER PR
12	DRAINAGE AREA
13-15	CONSTRUCTION D



LOCATION MAP:



PROJECT BENCHMARK:
 "a" on East Hdwy. Bryan Lane 140' South
 Int. Bryan Lane & Sunburst Drive
 Elev. 580.55 U.S.G.S.

LEGEND

- D.A.I. Double Area Inlet
- C.I. Curb Inlet
- D.C.I. Double Curb Inlet
- A.I. Area Inlet
- G.I. Grate Inlet
- M.H. Manhole
- F.E.S. Flared end section
- E.P. End pipe
- C.P. Concrete pipe
- R.C.P. Reinforced concrete pipe
- C.M.P. Corrugated metal pipe
- C.I.P. Cast iron pipe
- P.V.C. Polyvinyl chloride pipe
- V.C.P. Vitrified clay pipe
- C.O. Clean out
- V.T. Vent trap
- Storm sewer (proposed)
- Sanitary sewer (proposed)
- Existing contour
- Proposed contour
- Street sign
- End of lateral
- Lateral
- Lot or building
- Test Hole
- Existing fence line
- Existing tree line
- Storm sewer (existing)
- Sanitary sewer (existing)
- Water line
- Tee and valve
- Cap
- Hydrant
- Thrust block

GEORGE E. BUTLER ASSOCIATES, INC.
 SUITE 4 - 114 EAST ELM ST.
 O'FALLON, MISSOURI 63366

RECEIVED OCT 02 1985

Third Submittal

	CIVIL ENGINEERS	REV.	DATE	DESCRIPTION
	LAND SURVEYORS			
Pickett R. Pickett & Silver		T.C. INVESTMENT STANLEY COTTO 12 GEORGETOWN ST. LOUIS, MO 63103 PHONE 821-1251		
340 MID RIVERS DRIVE 278-1211 ST. PETERS, MO. 63376 441-1211		DRAWN BY: [Signature] DATE: [Date] CHECKED BY: [Signature] DATE: [Date]		