

COUNTRY SIDE CARPETS

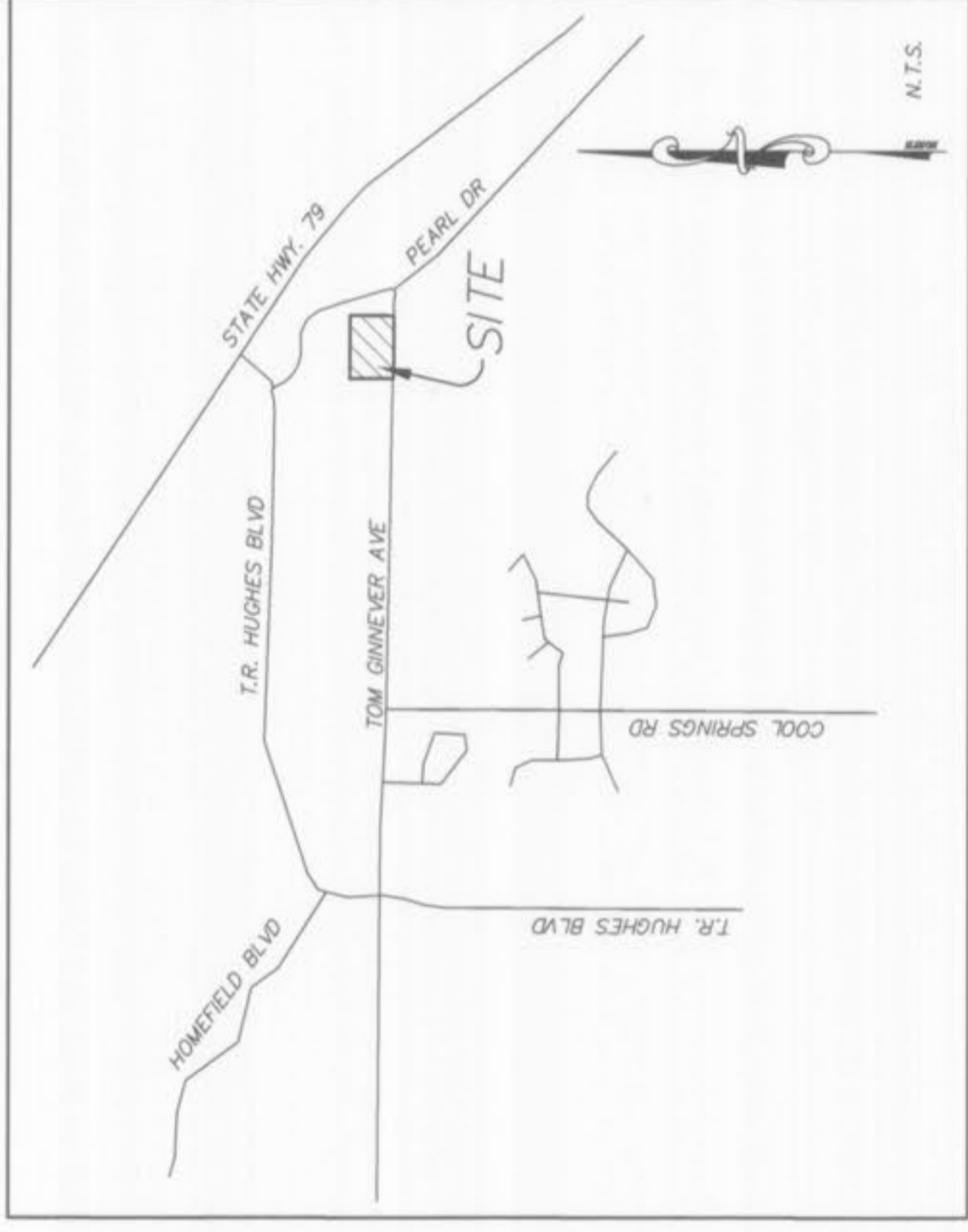
A TRACT OF LAND BEING PART OF
FRACTIONAL SECTION 33,
TOWNSHIP 47 NORTH, RANGE 3 EAST,
O'FALLON, MISSOURI

IMPROVEMENT PLANS

ASBUILT 11/02/06

CITY OF O'FALLON GENERAL NOTES

- Gas, water and other underground utilities shall not conflict with the depth or horizontal locations of proposed sanitary and storm sewers, including house laterals.
- Underground utilities have been plotted from available information and, therefore, their locations must be verified by the contractor. The location of the location of all underground utilities, with the exception 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 FSM Polyvinyl Chloride (PVC) Sewer Pipe and Fittings, SR-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 II.
- All storm sewer pipe under pavement, regardless of size, shall be reinforced concrete pipe (ASTM C-76, Class II) unless noted otherwise in the plans.
- Corrugated metal pipe shall conform to the standard A.A.S.H.T.O. See plans for gauge.
- All filled places under proposed roads, proposed sanitary and storm sewer lines, and/or paved areas including trench cutouts shall be compacted to a minimum 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 fill placed in proposed roads shall be compacted from the bottom of the fill up. All tests shall be verified by a soils engineer concurrent with grading. The fill areas to be compacted shall be defined by the Standard or Modified Proctor Test. Optimum moisture content shall be determined using the same test that was used for compaction. Soil compaction curves shall be submitted to the City of O'Fallon prior to construction of improvements. A soils engineer is required to verify soil stability at the discretion of the City of O'Fallon.
- 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 AASHTO T-99 (ASTM D-698) unless otherwise specified by A.A.S.H.T.O. All tests shall be verified by a soils engineer.
- All storm and sanitary trench backfills shall be water filled. Granular fill will be used under paved 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 the permission of the developer.
- All grades shall be within 0.2 feet (more or less) of those shown on the grading plan.
- No slope shall be steeper than 3' (horizontal) to 1' (vertical) and seeded and mulched.
- Hazard markers will consist of three (3) standard "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.
- 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 marked with red stakes. 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 finished floor of a sanitary sewer at 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 the requirements of the local governing authority. Water mains shall have a minimum of 42" of cover.
- Developer must supply City construction inspectors with soils reports prior to or during site soil testing.
- All paving to be in accordance with St. Charles County standards and specifications except as modified by the City of O'Fallon ordinances.
- Owner shall provide a copy of the soils report to grading contractor. The Engineer is responsible for adhering to all recommendations outlined in the soils report.
- All new utilities under City streets shall be bored.
- All sanitary laterals and sanitary mains crossing under roadways must have the proper rock bedding and to required compaction.
- HDPE pipe is to be N-12W or equal and shall meet ASTM F1417 water tight field test.
- Trees, organic debris, rubble, foundations and other deleterious material shall be removed from the site and disposed of in compliance with all laws and regulations. Utility tickets for such disposal shall be maintained on file by the developer. Burning on site shall be allowed only by permit from the local fire district. If a burn pit is proposed the location and mitigation shall be shown on the grading plan and documented by the soils engineer.
- If intersecting roadway does not have a curb, then the curb on the new entrance shall begin 10' from the edge of the existing roadway line.



LOCATION MAP

B.M. RM777 (USGS) 56' on north wingwall at east end of Mendon Rd.
sewer Division Center
ELEVATION = 462.06
SITE B.M. 1: "56" on the concrete base of the west gate post at the center entrance to Fort Zumwalt North High School
40'± south of the centerline of Tom Ginner Ave.
ELEVATION = 497.89

These "AS-BUILT" STORM AND SANITARY SEWER plans are based on actual field observations conducted during NOVEMBER, 2006 and the results are shown herein.

By: 11-2-06
JAMES R. GRWNEK, P.E.
STATE OF MISSOURI
REGISTRATION NO. LS-54-0

Civil Engineers
Planners
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333 Mid Rivers Mall Dr.
St. Peters, MO 63376
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PICKETT RAY & SILVER

DRAWING INDEX

Sheet	Description
1	COVER SHEET
2	SITE PLAN
3	GRADING PLAN
4	EROSION AND SEDIMENT CONTROL PLAN
5	DRAINAGE AREA MAP
6	STORM SEWER PROFILES
7-9	CONSTRUCTION DETAILS
10	WATER MAIN DETAILS

LEGEND

	Sanitary Sewer (Proposed)		R.C.P.	Reinforced Concrete Pipe
	Sanitary Sewer (Existing)		C.M.P.	Corrugated Metal Pipe
	Storm Sewer (Proposed)		C.I.P.	Cast Iron Pipe
	Storm Sewer (Existing)		P.V.C.	Polyvinyl Chloride
	Water Line & Size		V.C.P.	Victrolite Clay Pipe
	Existing water line		C.O.	Clean Out
	Tee & Valve		V.T.	Vent Trap
	Hydrant		T.B.R.	To Be Removed
	Cap		T.B.R.B.R.	To Be Protected
	Lot or Building Number		T.B.A.	To Be Abandoned
	Existing Fence Line		B.C.	Base Of Curb
	Existing Tree Line		T.C.	Top Of Curb
	Street Sign		T.W.	Top Of Wall
	Existing Contour		B.W.	Base Of Wall
	Proposed Contour		(TYP)	Typical
	Grouted Rip-Rap		U.N.O.	Unless Noted Otherwise
	End of Lateral		U.I.P.	Use in Place
	Asphalt Pavement			
	Concrete Pavement			

ENGINEERS AUTHENTICATION
The responsibility for professional engineering is hereby limited to the set of plans submitted by the seal, signature, and date. The Engineer is not responsible for any other engineering plans involved in the project. The Engineer's seal and signature shall be placed on all drawings other than this sheet unless reauthenticating.

PICKETT, RAY & SILVER, INC.

DRABAK	DATE
B.PARKS	12-16-05
CHECKED	DATE
D.BIRD	12-16-05
PROJECT #	01712.BRST.01C
TASK #	2
FIELD BOOK	826A

COUNTRY SIDE CARPETS
IMPROVEMENT PLANS
COVER SHEET
SHEET 1 OF 10
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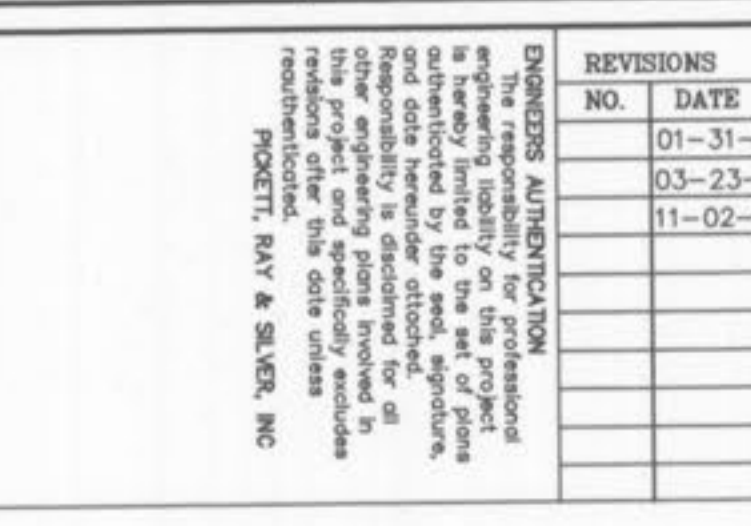
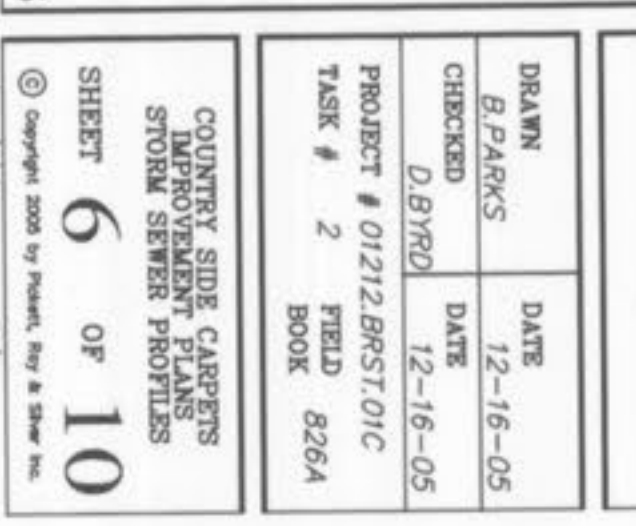
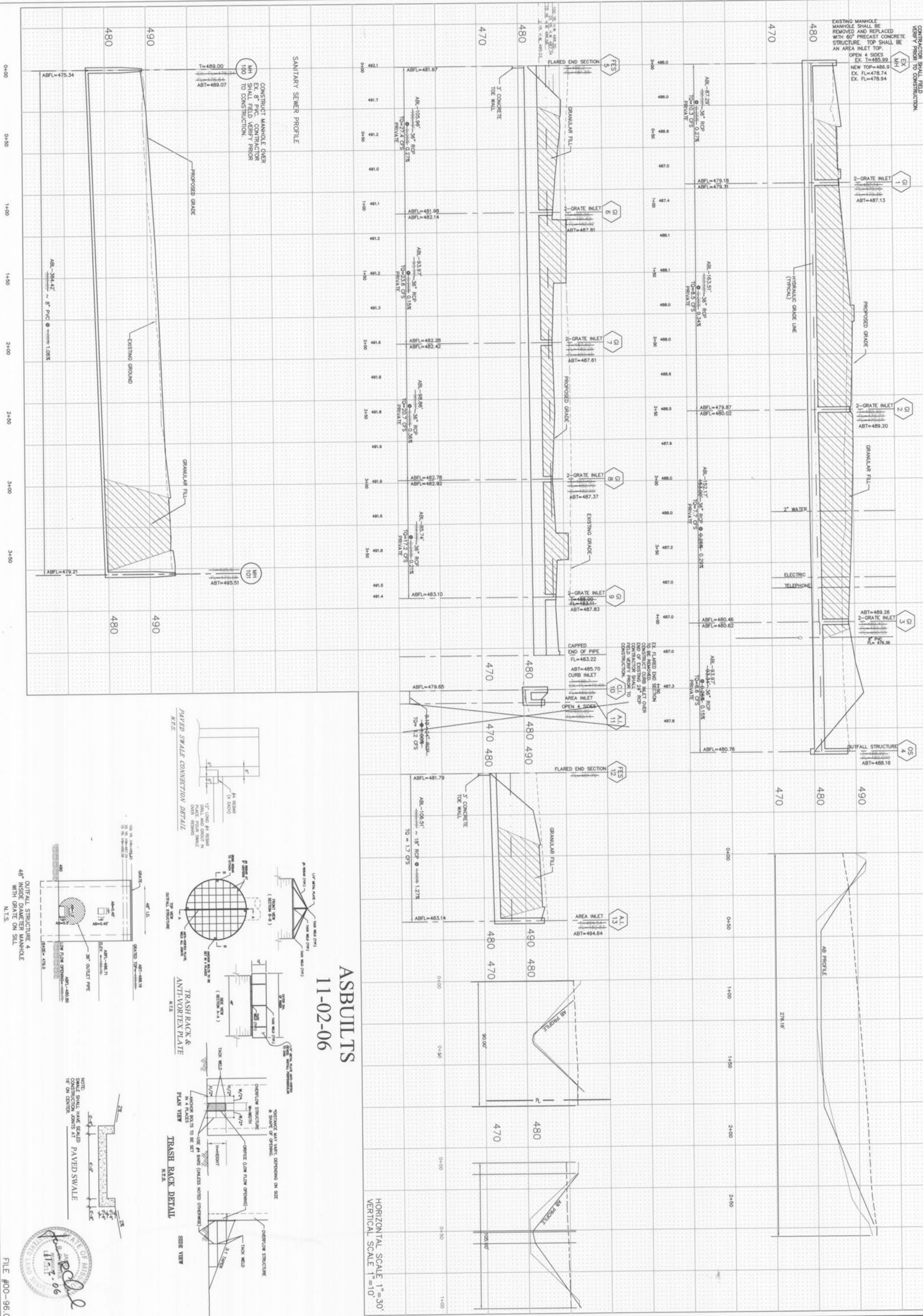
NOT APPROVED FOR CONSTRUCTION

Countryside Carpets 1/3

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CIVIL ENGINEERS
PLANNERS
LAND SURVEYORS
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St. Peters, MO 63376
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Fax (636) 397-1104

COUNTRY SIDE CARPETS
IMPROVEMENT PLANS
O'FALLON, MO
Prepared For:
SUMMIT POINTE, L.C.
229 FOX HILL ROAD
ST. CHARLES, MO 63301
(636)940-9300

NO.	DATE	REVISIONS
01-31-06	PER CITY OF O'FALLON	
03-02-06	PER CITY OF O'FALLON	
03-22-06	PER CITY OF O'FALLON	
11-02-06	ASBUILT STORM AND SANITARY	



ASBULTS
11-02-06

HORIZONTAL SCALE 1"=30'
VERTICAL SCALE 1"=10'



DESIGNED	M. BEAHAN	DATE	12-16-05
CHECKED	D. B. PARKS	DATE	12-16-05
DRAWN	D. B. PARKS	DATE	12-16-05
PROJECT	COUNTRY SIDE CARPETS STORM SEWER PROBLEMS		
TASK #	2		
TRIAL	9264		
BOOK	2		

ENGINEER'S AUTHORIZATION
The responsibility for the professional engineering liability on this project is authorized by the seal, signature, and date hereunder attached. All other engineering plans involved in this project and specifically includes the drawings of the site sewer project.
PROJECT: RAY & SILVER, INC

REVISIONS NO.	DATE	DESCRIPTION
01	11-31-06	PER CITY OF O'FALLON
02	03-23-06	PER CITY OF O'FALLON
03	11-02-06	ASBULT SEWERS AND DETENTION

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IMPROVEMENT PLANS
O'FALLON, MO

Prepared For:
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