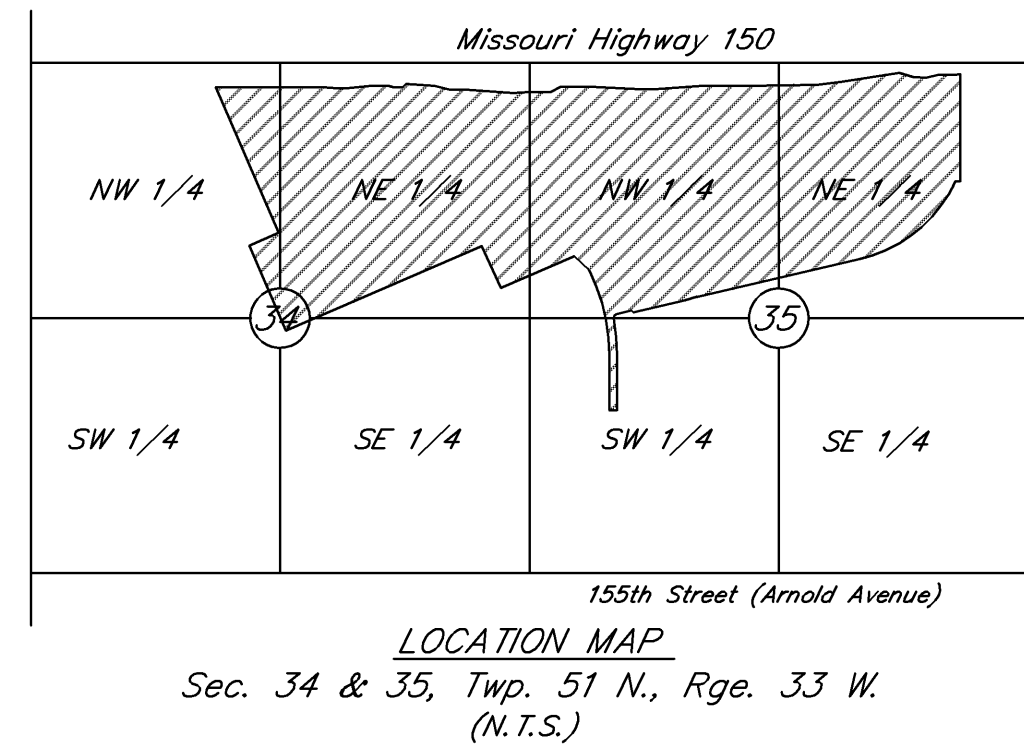


# REVISED CENTERPOINT-KCS INTERMODAL CENTER BOTTS ROAD PUBLIC IMPROVEMENT PLANS SANITARY SEWER PLANS

## N. 1/2 of Sec. 34 + 35, Twp. 51, Rge. 33 Kansas City, Jackson County, Missouri

PROJECT BENCHMARK	
County: Jackson	State: Missouri
Township: 47N	Range: 32W
USGS 7.5' Quad: Belton	Section: 30
Date Monumented: 1989	Monumented By: MODNR
Elevation: 1046.26	



**PROPERTY DESCRIPTION BY SURVEYOR AND TITLE COMMITMENT**

TRACT 2:

All that part of the Northeast Quarter of Section 34 and the Northeast Quarter and the Northwest Quarter of Section 35, Township 47 North, Range 33 West in Jackson County, Missouri, being described as follows:

Commencing at the Northeast corner of the Northeast Quarter of said Section 35; thence North 86° 18' 57" West along the North line of said Northeast Quarter, 987.82 feet to the extension of the West line of the St. Louis and San Francisco Railroad, as now established; thence South 03° 36' 59" West along said West line, 111.14 feet to the South line of Missouri Highway Route 150, as established by Document Number 1999K 0073310, recorded on the 22 day of December, 1999 and revised by Corrective Deed recorded as Document Number 2007E0082740, on the 22nd day of June, 2007 in the office of the Recorder of Deeds of said Jackson County and the True Point of Beginning of the tract to be herein described:

Thence South 03°36'59" West along the West line of said St. Louis and San Francisco Railroad, 1116.44 feet; thence North 86°23'01" West, 50.00 feet to a point 40.00 feet southeasterly of the centerline of a railroad spur track, as now established; thence Southwesterly along a curve to the left, parallel with and 40.00 feet distant from said centerline, with an initial tangent bearing of South 28°48'06" West, having a radius of 1472.69 feet, a central angle of 22°38'20", an arc distance of 581.89 feet; thence leaving said parallel line South 77°15'13" West, 1240.89 feet; thence South 07°24'21" West, 120.51 feet to a point 40.00 feet southeasterly of said centerline of a railroad spur track; thence South 80°28'52" West along a line parallel with and 40.00 feet distant from said centerline, 1175.87 feet; thence Southwesterly along a curve to the left, parallel with and 40.00 feet distant from said centerline, tangent to the last described course, having a radius of 1392.40 feet, a central angle of 8°23'33", an arc distance of 133.07 feet; thence leaving said parallel line South 80°21'57" West, 547.02 feet to the East line of Tract "A" of a Quilclaim Deed conveyed to the City of Kansas City, Missouri, recorded as Document Number 2005K0019275 in the office of the Recorder of Deeds of said Jackson County; thence North 42°43'09" West (deed - South 42°44'06" East) along said East line of Tract "A", 846.15 feet to the Northeast corner thereof; thence South 70°16'33" West (deed - North 70°16'47" East) along the North line of said Tract "A", 833.23 feet to the East line of an ALTA/ACSM Land Title Survey, dated May 22, 2007 and prepared by TransSystems; thence along said East line the following five courses: course 1, North 22° 41' 49" West, 1033.35 feet; course 2, North 16° 46' 49" West, 175.80 feet; course 3, North 22° 42' 03" West, 800.94 feet; course 4, South 66° 20' 02" West, 18.04 feet; course 5, North 22° 40' 12" West, 317.31 feet to said South line of Missouri Highway Route 150; thence along said South line the following twenty-two courses: course 1, South 86° 24' 47" East, 5.96 feet; course 2, North 48° 35' 13" East, 46.40 feet; course 3, South 83° 14' 00" East, 295.73 feet; course 4, South 71° 50' 20" East, 169.50 feet; course 5, South 86° 24' 47" East, 157.32 feet; course 6, South 82° 35' 56" East, 493.22 feet; course 7, South 89° 50' 48" East, 164.34 feet; course 8, South 86° 24' 47" East, 229.68 feet; course 9, North 64° 50' 50" East, 115.99 feet; course 10, South 86° 24' 47" East, 324.80 feet; course 11, South 83° 21' 37" East, 492.82 feet; course 12, South 86° 24' 47" East, 164.04 feet; course 13, North 89° 23' 34" East, 493.45 feet; course 14, South 86° 24' 47" East, 489.53 feet; course 15, South 87° 17' 27" East, 703.91 feet; course 16, North 86° 42' 41" East, 245.36 feet; course 17, North 84° 39' 29" East, 618.85 feet; course 18, South 68° 18' 20" East, 157.84 feet; course 19, South 86° 17' 19" East, 131.23 feet; course 20, North 82° 07' 35" East, 133.96 feet; course 21, South 86° 17' 19" East, 164.04 feet; course 22, North 85° 39' 50" East a distance of 81.13 feet to the True Point of Beginning. This description is subject to road right of ways, railroad right of ways, easements, covenants and restrictions of record, if any. Described property contains 233.36 acres, more or less.

SUMMARY OF QUANTITIES				
ITEM	UNIT	PLAN	AS-BUILT	CONTRACT NO.
<b>Mains ( Trenching 0' - 12' deep )</b>				
8" Pipe(SDR-26)	L.F.	<del>1,441</del>	1810.80	1
8" Pipe(SDR-21)	L.F.	<del>2,576</del>	2200.63	1
<b>Extra Depth on Trenching</b>				
8" - 12" Pipe 14' Avg. depth	L.F.	115	115	1
8" - 12" Pipe 16' Avg. depth	L.F.	72	72	1
8" - 12" Pipe 18' Avg. depth	L.F.	53	53	1
8" - 12" Pipe 20' Avg. depth	L.F.	329	329	1
8" - 12" Pipe 22' Avg. depth	L.F.	714	714	1
8" - 12" Pipe 24' Avg. depth	L.F.	442	442	1
8" - 12" Pipe 26' Avg. depth	L.F.	433	433	1
8" - 12" Pipe 28' Avg. depth	L.F.	224	224	1
<b>Laterals</b>				
6" Pipe(SDR-26)	L.F.	130	130	1
<b>Service Line Connections</b>				
(Wyes, Bends, Risers, & Caps)				1
8" - 12" Mains	Ea.	3	3	1
<b>Manholes</b>				
Std. 4' dia. ( Depth up to 12' )	Ea.	11	11	1
Std. 4' dia. (Depth up to 12') with outside drop and long radius bends	Ea.	+	0	1
Extra Depth on 4' Dia. Manholes	V.F.	<del>77</del>	96.80	1
Connect to Existing Manhole with outside drop and long radius bends	Ea.	+	1	1

Summary of Quantities as Indicated above and any quantities as shown within the plans have been provided for permitting purposes only and are not intended for use in preparation of contract documents. Quantities intended for, but not limited to, the preparation of proposals and bid documents shall be independently evaluated by the estimating party based upon the contents of these plans.

#### LENGTH OF PROJECT

	LINE 1	LINE 3
END OF PROJECT	10+00.00	10+00.00
BEGINNING OF PROJECT	46+34.98	13+72.91
PROJECT LENGTH	3,634.98 FT	372.91 FT

#### EMERGENCY UTILITY SERVICE NUMBERS

AT&T \_\_\_\_\_ 1-800-252-1133  
 KCMO - STREET & TRAFFIC DIVISION - DISPATCHER \_\_\_\_\_ 816-513-2678  
 KCMO - WATER SERVICES DEPARTMENT \_\_\_\_\_ Engr. 816-513-0315 or 24hr. 816-513-0209  
 KCP&L \_\_\_\_\_ N. of 39th, 816-556-3626/So. of 39th, 816-276-5523  
 KINDER MORGAN INTERSTATE GAS \_\_\_\_\_ 1-303-914-7848  
 AQUILA \_\_\_\_\_ 816-781-2690  
 TIME-WARNER CABLE \_\_\_\_\_ 816-358-5360, EXT. 333 OR 338  
 MISSOURI GAS ENERGY \_\_\_\_\_ 816-756-5252  
 MISSOURI ONE CALL SYSTEM \_\_\_\_\_ 1-800-DIG-RITE

#### MASTER REVISION LIST

DATE	P.E. SIGNATURE	DESCRIPTION	SHEET(S)
09-07-07	R.J.S.	Prepared for Review.	
01-25-08	R.J.S.	Revised per City comments	All
05-20-08	R.J.S.	Revised per City comments	2-5
06-23-08	R.J.S.	Revised per City comments	1,3,4,5 & 6
07-15-08	R.J.S.	Revised Line 1	1-3
02-03-09	R.J.S.	As built	1-3
			All



#### INDEX OF SHEETS

COVER SHEET	1
SANITARY GENERAL LAYOUT	2
SANITARY PLAN & PROFILES	3-6

#### DEVELOPER:

Jim S. Cross, Vice President Development  
 Centerpoint Properties  
 Cal East Industrial Investors, LLC.  
 1808 Swift Drive, Oak Brook, Illinois, 60523-1501  
 P.H. ( 630 ) 583-8000  
 Fax. ( 630 ) 583-8005

I have reviewed these plans and understand what is proposed. The work will be accomplished in ONE contract with a work breakdown as follows:

#### 1. Sanitary Sewer

Any incidental work not specifically permitted (i.e. final cleanup) will be completed by the Sanitary Sewer contractor.

#### ACCEPTED:

Jim S. Cross \_\_\_\_\_ Date \_\_\_\_\_

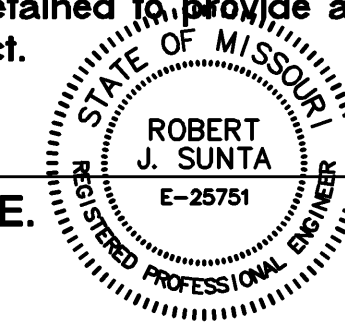
I hereby certify that this project has been designed, and these plans prepared, to meet or exceed the design criteria of Kansas City, Missouri, in current usage, except as indicated below.

#### Exceptions:

1. NONE
2. \_\_\_\_\_
3. \_\_\_\_\_
4. \_\_\_\_\_

Lutjen, Inc. has been retained to provide as-built drawings for this project.

Robert J. Sunta, P.E. \_\_\_\_\_ Date \_\_\_\_\_



#### AS BUILT

Date Surveyed: 01-22-09

I hereby certify that the conditions shown are correct and the sewers are acceptably located within existing easements or right-of-ways.

Robert J. Sunta, P.E.

Construction Permit Numbers  
 SEC3: 70097224  
 Drawing File No:  
 Field Acceptance Date:

#### REVIEWED FOR CODE COMPLIANCE

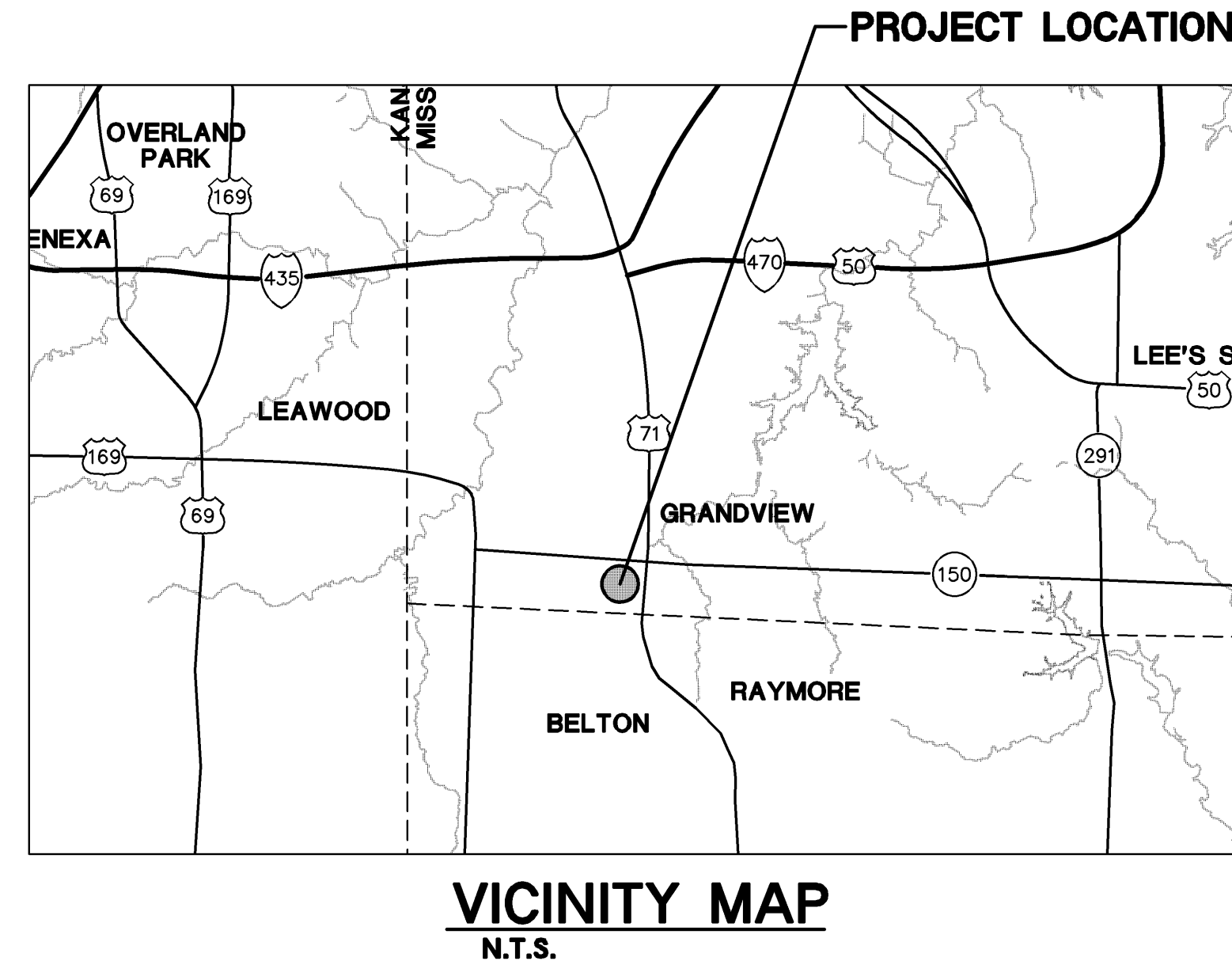
City Planning and Development  
 Private Grading  
 Public Grading  
 Street Design  
 Sanitary Sewers  
 Storm Sewers

BY: \_\_\_\_\_

DATE: \_\_\_\_\_

DEPARTMENT OF CITY PLANNING & DEVELOPMENT  
 KANSAS CITY, MISSOURI

CONSTRUCTION PERMIT MUST BE SECURED WITHIN ONE YEAR OF REVIEW



Plat No.:  
 APN No.: CA060203000000001001 & CA50203000000001000  
 Case No.:  
 Watershed Name: Little Blue River  
 File Number: CR200810791

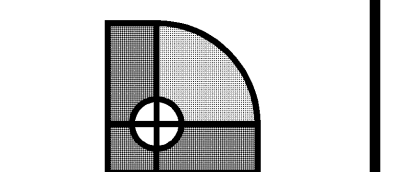
### CENTERPOINT-KCS INTERMODAL CENTER SANITARY SEWER PLANS

Reviewed By: R.J.S.

Designed By: M.G.H.

Drafted By: J.W.W.

Lutjen Project No.: 07165



LUTJEN

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 Kansas City, MO 64151  
 816.587.4320  
 816.587.1393 fax  
 www.lutjen.com

surveying  
 planning  
 engineering  
 landscape architecture

Sheet No.:

1

Location: N:\Engineering\Richard Cebaur - 07165 & 07166\Drafting\Botts & Thunderbird Road\ASBUILT\Sanitary\CSA - 07165.dwg