

**City of Kansas City Missouri**  
**City Planning and Development Department**  
**Development Services**  
**Biweekly Special Inspections Report Form**

CISI #: 200810791

BIWEEKLY REPORT # 17

PROJECT #: CR200810791

PROJECT ADDRESS 3498 E MO 150 HWY

PROJECT NAME : CENTERPOINT- KC SOUTHERN INTERMODAL CENT

AGENCY NAME : TSI ENGINEERING, INC.

NAME : STEVE WENDLAND, PE

This report covers work done between OCTOBER 13, 2008 and NOVEMBER 3, 2008

This is to certify that I or a qualified individual working under my direction inspected and/or tested the following items in accordance with Section 1704 of the International Building Code: (Check appropriate items)

- Attachment: Concrete Test or Resolution by EOR
- Post-tension Concrete
- Placement of Reinforced Concrete
- Testing of Reinforced Concrete
- Placement of Reinforcing Steel
- Placement of Prestressing Steel
- Bolts Installed in Concrete
- Verification of Soils
- Excavation and Filling
- Drilled Piers and/or Piles,
- Earth-Retaining Structure
- Installation of Temporary Shoring
- Monitoring of Temporary Shoring (Biweekly Reports required)
- EIFS
- Smoke Control
- Seismic Resistance
- Detention Basin
- Inspection of Precast Fabricator
- Erection of Precast Concrete
- High Strength Bolting
- Structural Welding
- Steel Frame Inspection
- Inspection of Structural Steel Fabricator and Bar Joist (if applicable)
- Inspection of Metal Building Fabricator
- Sprayed Fire Resistant Materials
- Structural Masonry
- Other:

Except where noted in the attached report, the work was found to be in substantial compliance with the City approved plans, specifications, and applicable provisions of the Kansas City, Missouri, Building Code.

Signed: Steve Wendland

Date: 11/6/08

Submit To: Gene McCubbin  
Department of City Planning & Development  
Special Inspections Branch  
324 E. 11th Street 3rd Floor  
Kansas City, Missouri 64106  
cc: Engineer of Record, Architect of Record, General Contractor



November 6, 2008

Mr. Jim Cross  
**CENTERPOINT PROPERTIES TRUST**  
1808 Swift Drive  
Oak Brook, Illinois 60523-1501



**Re: Report No. 17 – Special Inspection Services  
Centerpoint – KC Southern Intermodal Center  
Kansas City, Missouri  
TSi Project 02007113  
City Control No. 2008-10791**

Dear Mr. Cross:

Representatives of TSi Engineering Inc. (TSi) have continued to provide special inspection services including field observation and testing for utility trench backfill and preparation of pavement subgrades at the Centerpoint / KC Southern redevelopment project in Kansas City, Missouri. This reporting period includes from October 13 to November 3, 2008. Representatives of Kissick Construction (Kissick), the grading subcontractor, scheduled our services. Copies of our daily field reports are attached.

#### WORK SUMMARY

Kissick continued installation of subsurface sanitary sewer, storm sewer, and water lines at the site. The backfill materials consisted of clay soils mixed with variable amounts of rock fragments. In these narrow trenches, the backfill and trench bottom were compacted by tamping with an excavator bucket. Lift thickness was approximately 12 inches. Where rock fragments prevented density testing of backfill, we visually monitored the fill placement. Where the backfill consisted of relatively clean clay, we completed density and moisture content tests with a nuclear density gauge. Results of those field tests are attached.

In each narrow trench or structure excavation we were able to complete the field density testing only in the shallower portion of the trench. Because there was no shoring in the narrow trenches, safety rules prevented our field representatives from entering the trenches until the deeper portion had been backfilled. Our field representatives did visually evaluate the fill materials and fill placement for the deeper portion of the backfill. Kissick used the same materials, equipment, compaction methods, and compactive effort for the deeper portion of the fill as they did for the shallower portion which we did test.

Kissick continued cutting down to final grade for Andrews Road and Botts Road. No structural fill was placed.

TSi Engineering, Inc.  
1600 Genessee Street, Suite 960  
Kansas City, Missouri 64102  
(816) 283-3838 fax: (816) 283-3938

Mr. Jim Cross

**CENTERPOINT PROPERTIES TRUST**

Report No. 17 – Special Inspection Services – Centerpoint / KC Southern

November 6, 2008

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We observed proofrolling of final subgrades under the western curb-line and the pavement areas of Botts Road in the third of the road south of its intersection with Andrews Road when representatives of the City of Kansas City, Missouri, (City) were not available. Where soft subgrades were observed, Kissick made plans to excavate and replace the soft materials.

COMPLIANCE STATUS

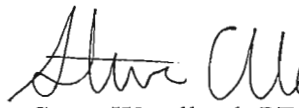
The specific items discussed above in this report comply with contract documents. The attached Discrepancy List provides a summary of the project's current discrepancies. There are currently no open discrepancies.

CLOSURE

If you would like to discuss the information in this report further, please contact us.

Sincerely,

**TSI ENGINEERING, INC.**

  
Steve Wendland, PE  
Area Manager



cc: (via e-mail)

Mr. Gene McCubbin – City of Kansas City, Missouri  
Mr. Jack Staton – Kissick Construction Company  
Mr. Jim Kissick – Kissick Construction Company  
Mr. George Holler – TWS Construction Services  
Mr. Andy Penry – J.E. Dunn Construction  
Mr. Eric Neill – J.E. Dunn Construction  
Mr. Rick Tillery – J.E. Dunn Construction  
Mr. Robert Sunta – Lutjen, Inc.  
Mr. Scott Cargill – Lutjen, Inc.

## DISCREPANCY LIST

<div style="border: 1px solid black; padding: 5px; display: inline-block;"> <b>Centerpoint / KCS Kansas City, Missouri Report No. 17</b> </div>			Date <b>6 November 2008</b>	
TSi Project No. <b>02007113.00</b>				
KCMo Control No. <b>2008-10791</b>				
Item	Status		Discrepancy Details (see daily field reports for more details)	Resolution
	Opened	Closed		
Discrepancies #1 to #3 were previously resolved.				

TSi Engineering Inc.  
 1600 Genessee Street, Suite 960  
 Kansas City, MO 64102  
 816-283-3838





Special Inspector Daily Field Report  
City of Kansas City, Missouri

City Control No. 2008-10791  
Project Name: Centerpoint Richards Gebaur Grading  
TSi Project Number: 02007113.00  
Report No. \_\_\_\_\_

Date: 13 OCTOBER 2008 MONDAY

Weather (°F) PT CLOUDY 65°



TSi Engineering Inc.  
1600 Genessee Street  
Suite 960  
Kansas City, MO 64102  
816-283-3838  
fax 816-283-3938

Client: CenterPoint Properties  
General Contractor: J.E. Dunn Construction  
Subcontractor: Kissick Construction

Time: Arrived 7:00 AM Depart: 3:00 PM Travel / Load 1.0 Total Hours: 9.0

Items inspected and/or tested:

Other

Utility Installation

Soils and Foundations

Verification of Soils  
 Excavation  
 Structural Fill

Observations / Inspected Work / Tests Completed: ① installation of 12" water main. Locations STA 13+00 to STA 11+00. Prior to installation, subgrade verified.  
② installation of 24" stormwater sewer line. Locations CI #6-6 to CI #6-7. Prior to installation, subgrade verified.  
③ installation of 8" sanitary sewer line. Location MH #1-8 to MH #1-9. Prior to installation, subgrade verified.  
④ placement and compaction of controlled fill / trench backfill. Locations STA 13+00 to 11+00 (water main), CI #6-6 to CI #6-7 (stormsewer), and MH #1-8 to MH #1-9 (sanitary sewer). Material placed in 12" lifts and compacted with excavator buckets.

Were there any discrepancies with the approved plans? Yes X No  
Were there any changes to the approved plans? Yes X No  
Were any previously listed items corrected or resolved? Yes X No

If yes to any of the above, describe: \_\_\_\_\_

TSi Representative - Print Name: SHANNON STAFFORD Signature: [Signature]

Contractor Representative - Kissick Construction Signature: \_\_\_\_\_

TSi Project Manager - Print Name: Steve Wendland Signature: [Signature]

Special Inspector Daily Field Report  
City of Kansas City, Missouri

City Control No. 2008-10791  
Project Name: Centerpoint Richards Gebaur Grading  
TSi Project Number: 02007113.00  
Report No. \_\_\_\_\_

Date: 14 OCTOBER 2008 TUESDAY

Weather ( °F ) \_\_\_\_\_



TSi Engineering Inc.  
1600 Genessee Street  
Suite 960  
Kansas City, MO 64102  
816-283-3838  
fax 816-283-3938

Client: CenterPoint Properties  
General Contractor: J.E. Dunn Construction  
Subcontractor: Kissick Construction

Time: Arrived 7:00 AM Depart: 3:00 PM Travel / Load 1.0 Total Hours: 9.0

Items inspected and/or tested:

Other

- Utility Installation
- \_\_\_\_\_
- \_\_\_\_\_

Soils and Foundations

- Verification of Soils
- Excavation
- Structural Fill

Observations / Inspected Work / Tests Completed: ① installation of 12" water man. Location - Batts Road, STA 13+00 to STA 11+00. Prior to installation subgrade verified. ② installation of 24" stormwater sewer line. Location C1 #6-6 to C1 #6-7. Prior to installation, subgrade verified. ③ installation of 8" sanitary sewer line. Location - MH #1-8 to MH #1-9. Prior to installation, subgrade verified. ④ placement and compaction of controlled fill / trench backfill. Locations - STA 13+00 to STA 11+00 (water man), C1 #6-6 to C1 #6-7 (stormwater) and MH #1-8 to MH #1-9 (sanitary sewer). Material placed in 12" lifts and compacted with excavator buckets

Were there any discrepancies with the approved plans? \_\_\_\_\_ Yes X No  
Were there any changes to the approved plans? \_\_\_\_\_ Yes X No  
Were any previously listed items corrected or resolved? \_\_\_\_\_ Yes X No

If yes to any of the above, describe: \_\_\_\_\_

TSi Representative - Print Name: SHANNON STAFFORD Signature: [Signature]

Contractor Representative - Kissick Construction Signature: \_\_\_\_\_

TSi Project Manager - Print Name: Steve Wendland Signature: [Signature]

Special Inspector Daily Field Report  
City of Kansas City, Missouri

City Control No. 2008-10791  
Project Name: Centerpoint Richards Gebaur Grading  
TSi Project Number: 02007113.00  
Report No. \_\_\_\_\_

Date: 16 October 2008 THURSDAY

Weather (°F) cloudy 55°



TSi Engineering Inc.  
1600 Genessee Street  
Suite 960  
Kansas City, MO 64102  
816-283-3838  
fax 816-283-3938

Client: CenterPoint Properties  
General Contractor: J.E. Dunn Construction  
Subcontractor: Kissick Construction

Time: Arrived 7:00 AM Depart: 11:00 AM Travel / Load 1.0 Total Hours: 4.0

Items inspected and/or tested:

Other

- Utility Installation
- \_\_\_\_\_
- \_\_\_\_\_

Soils and Foundations

- Verification of Soils
- Excavation
- Structural Fill

Observations / Inspected Work / Tests Completed: ① installation of 12" water main. Location - former concrete runway, STA 10+00 to STA 15+00. Prior to installation, subgrade verified. ② installation of 24" stormwater sewer line. Location CI #6-6 to CI #6-7. Prior to installation, subgrade verified. ③ installation of 8" sanitary sewer line. Location - MH #1-8 to MH #1-9. Prior to installation, subgrade verified. ④ placement and compaction of controlled fill/trench backfill. Location - STA 10+00 to STA 15+00 (water main), CI #6-6 to CI #6-7 (stormwater) and MH #1-8 to MH #1-9 (sanitary sewer). Material placed in 12" lifts and compacted with excavator buckets.

Were there any discrepancies with the approved plans? \_\_\_\_\_ Yes X No  
Were there any changes to the approved plans? \_\_\_\_\_ Yes X No  
Were any previously listed items corrected or resolved? \_\_\_\_\_ Yes X No

If yes to any of the above, describe: \_\_\_\_\_

TSi Representative - Print Name: SHANNON STAFFORD Signature: [Signature]  
Contractor Representative - Kissick Construction Signature: \_\_\_\_\_  
TSi Project Manager - Print Name: Steve Wendland Signature: [Signature]

Special Inspector Daily Field Report  
City of Kansas City, Missouri

City Control No. 2008-10791  
Project Name: Centerpoint Richards Gebaur Grading  
TSi Project Number: 02007113.00  
Report No. \_\_\_\_\_

Date: 17 OCTOBER 2008 FRIDAY

Weather ( °F ) \_\_\_\_\_



TSi Engineering Inc.  
1600 Genessee Street  
Suite 960  
Kansas City, MO 64102  
816-283-3838  
fax 816-283-3938

Client: CenterPoint Properties  
General Contractor: J.E. Dunn Construction  
Subcontractor: Kissick Construction

Time: Arrived 9:00 AM Depart: 12:00 PM Travel / Load 1.0 Total Hours: 4.0

Items inspected and/or tested:

Other

- Utility Installations
- \_\_\_\_\_
- \_\_\_\_\_

Soils and Foundations

- Verification of Soils
- Excavation
- Structural Fill

Observations / Inspected Work / Tests Completed: ① installation of 12" water main. Location - former concrete runway, STA 10+00 to 15+00. Prior to installation, subgrade verified. ② installation of 24" storm sewer line. Location C1 #6-6 to C1 #6-7. Prior to installation, subgrade verified. ③ placement and compaction of controlled fill/trench backfill. Location - sta 10+00 to STA 15+00 (water main) and C1 #6-6 to C1 #6-7 (storm sewer). Material placed in 12" lifts and compacted with excavator buckets. ④ excavation of excess material (limestone) to subgrade. Location - Botts Road. Excess material transported to rock crushing facility on-site.

Were there any discrepancies with the approved plans? \_\_\_\_\_ Yes X No  
Were there any changes to the approved plans? \_\_\_\_\_ Yes X No  
Were any previously listed items corrected or resolved? \_\_\_\_\_ Yes X No

If yes to any of the above, describe: \_\_\_\_\_

TSi Representative - Print Name: SHANNON STAFFORD Signature: [Signature]

Contractor Representative - Kissick Construction Signature: \_\_\_\_\_

TSi Project Manager - Print Name: Steve Wendland Signature: [Signature]

Special Inspector Daily Field Report  
City of Kansas City, Missouri

City Control No. 2008-10791  
Project Name: Centerpoint Richards Gebaur Grading  
TSi Project Number: 02007113.00  
Report No. \_\_\_\_\_

Date: 20 October 2008 Monday

Weather ( °F ) PT cloudy 60°



TSi Engineering Inc.  
1600 Genessee Street  
Suite 960  
Kansas City, MO 64102  
816-283-3838  
fax 816-283-3938

Client: CenterPoint Properties  
General Contractor: J.E. Dunn Construction  
Subcontractor: Kissick Construction

Time: Arrived 8:00 AM Depart: 3:00 PM Travel / Load 1.0 Total Hours: 8.0

Items inspected and/or tested:

Other

Utility Installation  
 \_\_\_\_\_  
 \_\_\_\_\_

Soils and Foundations

Verification of Soils  
 Excavation  
 Structural Fill

Observations / Inspected Work / Tests Completed: ① installation of 12" water main, location - Thunderbird Road, STA 24+00 to STA 28+00. Prior to installation, subgrade verified. ② placement and compaction of controlled fill/french backfill. Locations - STA 24+00 to STA 28+00 (water main). Material placed in 12" lifts and compacted with excavator bucket. ③ excavation of excess material (limestone) to subgrade. Locations - Botts Road. Excess material transported to rock crushing facility on-site.

Were there any discrepancies with the approved plans? \_\_\_\_\_ Yes X No  
Were there any changes to the approved plans? \_\_\_\_\_ Yes X No  
Were any previously listed items corrected or resolved? \_\_\_\_\_ Yes X No

If yes to any of the above, describe: \_\_\_\_\_

TSi Representative - Print Name: SHANNON STAFFORD

Signature: [Signature]

Contractor Representative - Kissick Construction

Signature: \_\_\_\_\_

TSi Project Manager - Print Name: Steve Wendland

Signature: [Signature]

Special Inspector Daily Field Report  
City of Kansas City, Missouri

City Control No. 2008-10791  
Project Name: Centerpoint Richards Gebaur Grading  
TSi Project Number: 02007113.00  
Report No. \_\_\_\_\_



TSi Engineering Inc.  
1600 Genessee Street  
Suite 960  
Kansas City, MO 64102  
816-283-3838  
fax 816-283-3938

Date: 21 OCTOBER 2008 TUESDAY

Weather ( °F ) CLOUDY 65°

Client: CenterPoint Properties  
General Contractor: J.E. Dunn Construction  
Subcontractor: Kissick Construction

Time: Arrived 7:00am Depart: 9:00am Travel / Load 1.0 Total Hours: 9.0

Items inspected and/or tested:

Other

- Utility Installation
- \_\_\_\_\_
- \_\_\_\_\_

Soils and Foundations

- Verification of Soils
- Excavation
- Structural Fill

Observations / Inspected Work / Tests Completed: ① installation of 12" water mains. Location - Thunderbird Road, STA 30+00 to STA 34+00. Prior to installation, subgrade verified. ② removal of unsuitable material (wet) and replacement with crushed rock. Location - Botts Road - southern one third. ③ installation of 12" water main. Location - former concrete runway, STA 15+00 to STA 17+00. Prior to installation, subgrade verified.

Were there any discrepancies with the approved plans? \_\_\_\_\_ Yes X No  
Were there any changes to the approved plans? \_\_\_\_\_ Yes X No  
Were any previously listed items corrected or resolved? \_\_\_\_\_ Yes X No

If yes to any of the above, describe: \_\_\_\_\_

TSi Representative - Print Name: SHUNNOW STAFFORD Signature: [Signature]

Contractor Representative - Kissick Construction Signature: \_\_\_\_\_

TSi Project Manager - Print Name: Steve Wendland Signature: [Signature]

Special Inspector Daily Field Report  
City of Kansas City, Missouri

City Control No. 2008-10791  
Project Name: Centerpoint Richards Gebaur Grading  
TSi Project Number: 02007113.00  
Report No. \_\_\_\_\_

Date: 27 OCTOBER 2008 MONDAY

Weather ( °F ) PT CLOUDY 60°



TSi Engineering Inc.  
1600 Genessee Street  
Suite 960  
Kansas City, MO 64102  
816-283-3838  
fax 816-283-3938

Client: CenterPoint Properties  
General Contractor: J.E. Dunn Construction  
Subcontractor: Kissick Construction

Time: Arrived 7:00AM Depart: 3:00PM Travel / Load 1.0 Total Hours: 9.0

Items inspected and/or tested:

Other

- Utility Installation  
 \_\_\_\_\_  
 \_\_\_\_\_

Soils and Foundations

- Verification of Soils  
 Excavation  
 Structural Fill

Observations / Inspected Work / Tests Completed: ① installation of 12" water main. Location - Thunderbird Road, STA 34+00 to STA 38+00. Prior to installation, subgrade verified. ② excavation of excess material to final grade. Location - Botts Rd/150 Highway intersection. ③ removal of existing 12" water main. Location F2 and F-3. ④ removal of unsuitable material (wet) and replacement with crushed rock (per city inspector protocol) Location - Andrews Road/150 Highway intersection.

Were there any discrepancies with the approved plans? \_\_\_\_\_ Yes X No  
Were there any changes to the approved plans? \_\_\_\_\_ Yes X No  
Were any previously listed items corrected or resolved? \_\_\_\_\_ Yes X No

If yes to any of the above, describe: \_\_\_\_\_

TSi Representative - Print Name: SHANNON STAFFORD Signature: [Signature]

Contractor Representative - Kissick Construction Signature: \_\_\_\_\_

TSi Project Manager - Print Name: Steve Wendland Signature: [Signature]

Special Inspector Daily Field Report  
City of Kansas City, Missouri

City Control No. 2008-10791  
Project Name: Centerpoint Richards Gebaur Grading  
TSi Project Number: 02007113.00  
Report No. \_\_\_\_\_

Date: 28 OCTOBER 2008 TUESDAY

Weather ( °F ) pt Cloudy 65°



TSi Engineering Inc.  
1600 Genessee Street  
Suite 960  
Kansas City, MO 64102  
816-283-3838  
fax 816-283-3938

Client: CenterPoint Properties  
General Contractor: J.E. Dunn Construction  
Subcontractor: Kissick Construction

Time: Arrived 7:00 AM Depart: 8:30 AM Travel / Load 1.0 Total Hours: 7.0  
10:30 AM 3:00 PM

Items inspected and/or tested:

Other

- Utility Installation
- \_\_\_\_\_
- \_\_\_\_\_

Soils and Foundations

- Verification of Soils
- Excavation
- Structural Fill

Observations / Inspected Work / Tests Completed: ① installation of 12" water main. Location: Thunderbird Rd, STA 38+00 to STA 42+00. Prior to installation, subgrade verified. ② excavation of excess material to final grade. Location - 150th Road / 150 Highway intersection. ③ removal of existing 12" water main. Location F-2 and F-3. ④ removal of unsuitable material (wet) and replacement with crushed rock.

Were there any discrepancies with the approved plans? Yes X No  
Were there any changes to the approved plans? Yes X No  
Were any previously listed items corrected or resolved? Yes X No

If yes to any of the above, describe: \_\_\_\_\_

TSi Representative - Print Name: SHANNON STAFFORD Signature: [Signature]

Contractor Representative - Kissick Construction Signature: \_\_\_\_\_

TSi Project Manager - Print Name: Steve Wendland Signature: [Signature]

Special Inspector Daily Field Report  
City of Kansas City, Missouri

City Control No. 2008-10791  
Project Name: Centerpoint Richards Gebaur Grading  
TSi Project Number: 02007113.00  
Report No. \_\_\_\_\_

Date: 29 OCTOBER 2008 WEDNESDAY

Weather ( °F ) SUNNY 65°



TSi Engineering Inc.  
1600 Genessee Street  
Suite 960  
Kansas City, MO 64102  
816-283-3838  
fax 816-283-3938

Client: CenterPoint Properties  
General Contractor: J.E. Dunn Construction  
Subcontractor: Kissick Construction

Time: Arrived 7:00 AM Depart: 3:00 PM Travel / Load 1.0 Total Hours: 9.0

Items inspected and/or tested:

Other

Utility Installation  
 \_\_\_\_\_  
 \_\_\_\_\_

Soils and Foundations

Verification of Soils  
 Excavation  
 Structural Fill

Observations / Inspected Work / Tests Completed: ① installation of 12" water main, locations - Thunderbird Rd, STA 42+00 to STA 45+00. Prior to installation, subgrade verified. ② excavation of excess material (limestone). Locations - Future Botts Road / I-50 Highway intersection.

Note - performed informal proroll of Botts Road, south 1/3 to Andrews Road intersection (city inspector unable visit site) to assist contractor in identifying potential trouble spots prior to asphalt placement. Notified contractor of unsuitable areas at Botts Road / existing Andrews Road intersection, along with entire western curbline area. Contractor plans to excavate at intersection, and scarify curbline area, followed by re-compaction on 10/30.

Were there any discrepancies with the approved plans? \_\_\_\_\_ Yes ✓ No  
Were there any changes to the approved plans? \_\_\_\_\_ Yes ✓ No  
Were any previously listed items corrected or resolved? \_\_\_\_\_ Yes ✓ No

If yes to any of the above, describe: \_\_\_\_\_

TSi Representative - Print Name: SHANNON STAFFORD Signature: [Signature]

Contractor Representative - Kissick Construction Signature: \_\_\_\_\_

TSi Project Manager - Print Name: Steve Wendland Signature: [Signature]