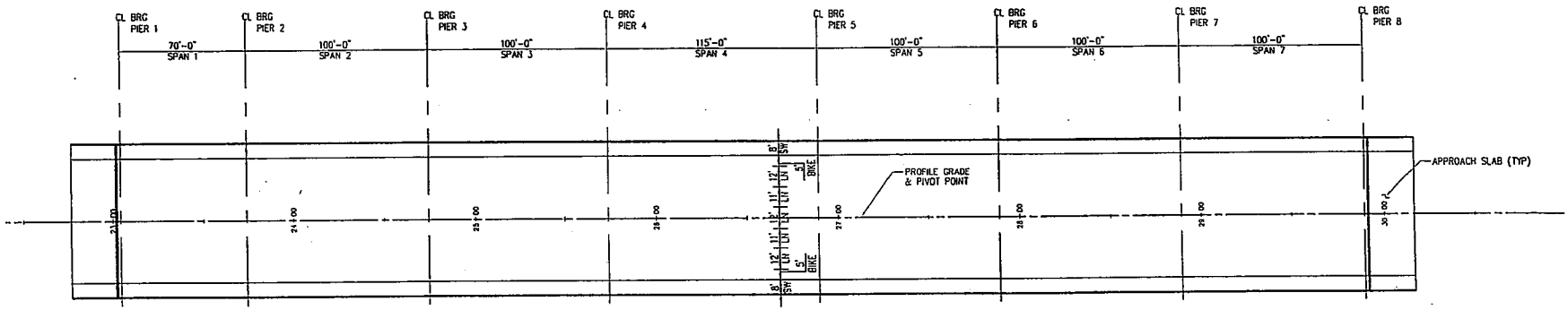
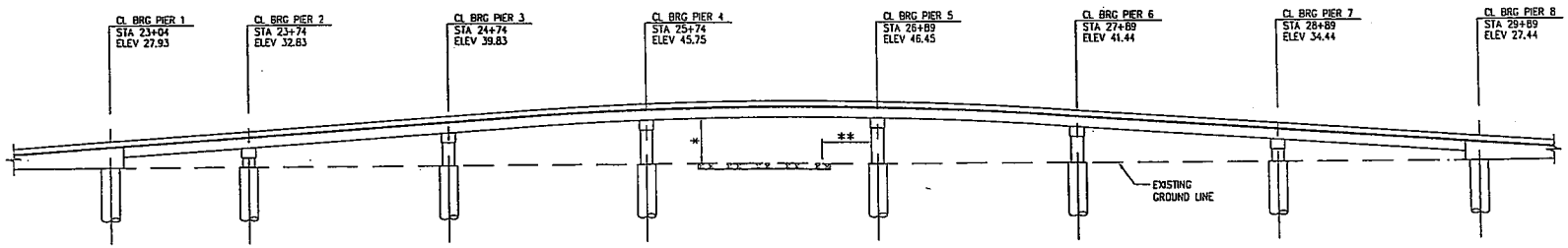


PLAN

0 30 60 90
SCALE IN FEET



* 23'-6" MINIMUM VERTICAL CLEARANCE.
** 25'-0" MINIMUM HORIZONTAL CLEARANCE.

ELEVATION

GRADE ELEVATIONS SHOWN ARE FINISHED GRADES AT TOP OF ROADWAY SLAB ON S. LANDER ST. STATION LINE AND ARE EQUAL TO PROFILE GRADE

0 30 60 90
SCALE IN FEET

DRAFT

COMPOSITE STEEL PLATE GIRDER
LOADING: HL-93

VAULT/SWD SER. NO	DATE	MARK	NATURE REVISIONS	MADE	CHK'D	REV'D

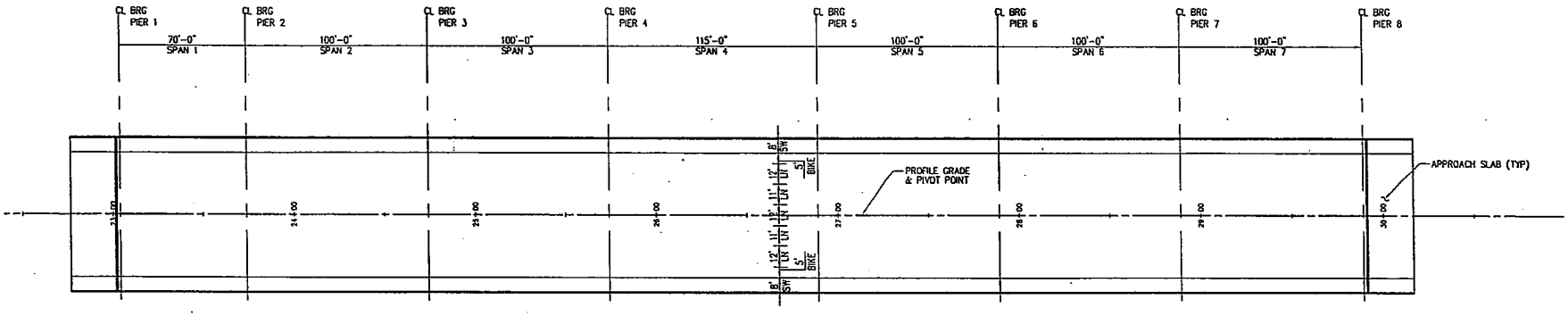
CAD USER: lomico PLOT DATE: Jul 31, 2007-02:17pm
PATH: V:\106531 (South Lander St)\Design\FIGURES\115FT - SL11.dwg

kpff Consulting Engineers
1601 Fifth Avenue, Suite 1600
Seattle, Washington 98101
(206) 622-5822 Fax (206) 622-8130

City of Seattle
Seattle Department of Transportation

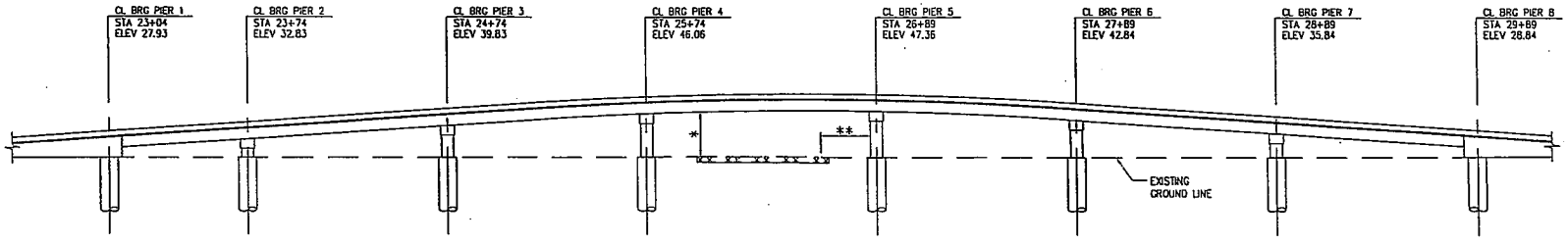
S LANDER STREET GRADE SEPARATION

115 FT SPAN LAYOUT #1 - 36 WEB



PLAN

0 30 60 90
SCALE IN FEET



* 23'-6" MINIMUM VERTICAL CLEARANCE.
** 25'-0" MINIMUM HORIZONTAL CLEARANCE.

ELEVATION

GRADE ELEVATIONS SHOWN ARE FINISHED GRADES AT TOP OF ROADWAY SLAB ON S. LANDER ST. STATION LINE AND ARE EQUAL TO PROFILE GRADE

0 30 60 90
SCALE IN FEET

DRAFT

COMPOSITE STEEL PLATE GIRDER
LOADING: HL-93

VAULT/SWD SER. NO	DATE	MARK	NATURE REVISIONS	MADE	CHK'D	REV'D

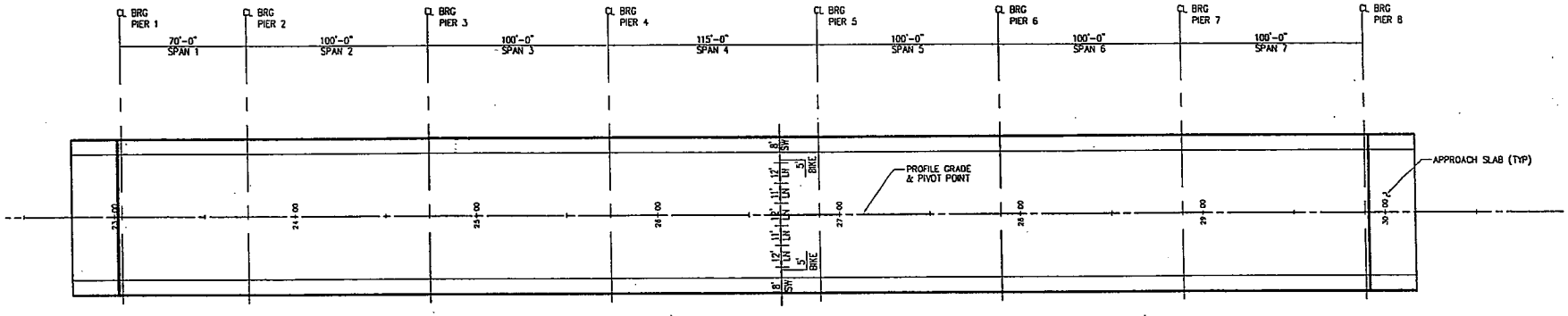
CAD USER: tounlea PLOT DATE: Jul 31, 2007-02:17pm
PATH: V:\10653\ (South Lander St)\Design\FIGURES\115FT - SLJ1.dwg

kpff Consulting Engineers
1601 Fifth Avenue, Suite 1600
Seattle, Washington 98101
(206) 622-5822 Fax (206) 622-8130

City of Seattle
Seattle Department of Transportation

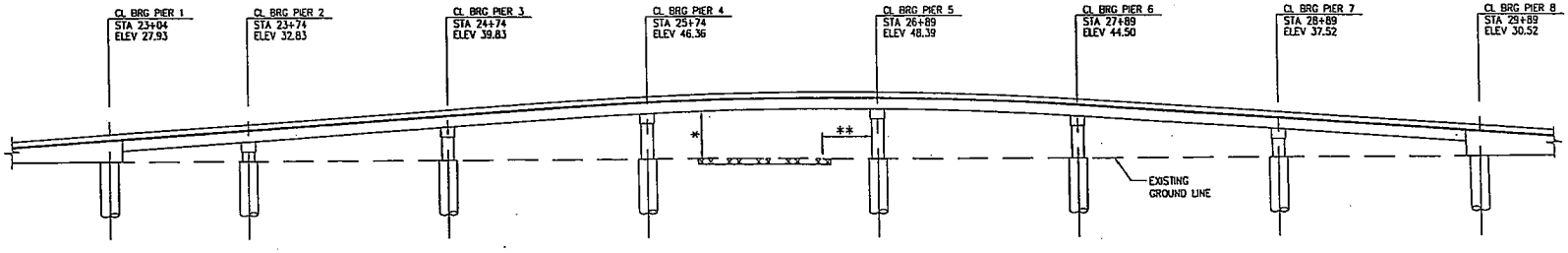
S LANDER STREET GRADE SEPARATION

115 FT SPAN LAYOUT #1 - 42 WEB



PLAN

0 30 60 90
SCALE IN FEET



* 23'-6" MINIMUM VERTICAL CLEARANCE.
** 25'-0" MINIMUM HORIZONTAL CLEARANCE.

ELEVATION

GRADE ELEVATIONS SHOWN ARE FINISHED GRADES AT TOP OF ROADWAY SLAB ON S. LANDER ST. STATION LINE AND ARE EQUAL TO PROFILE GRADE

0 30 60 90
SCALE IN FEET

DRAFT

COMPOSITE STEEL PLATE GIRDER
LOADING: HL-93

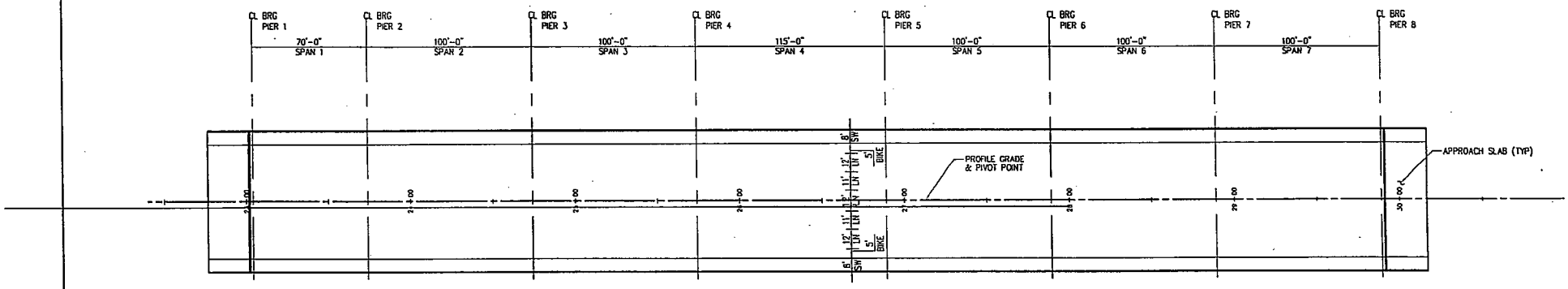
VAULT/SWD SER. NO	DATE	MARK	NATURE REVISIONS	MADE	CHK'D	REV'D

CAD USER: launiea PLOT DATE: Jul 31, 2007-02:17pm
PATH: V:\106531 (South Lander St)\Design\FIGURES\115FT - SLJ1.dwg

kpff Consulting Engineers
1601 Fifth Avenue, Suite 1600
Seattle, Washington 98101
(206) 622-5822 Fax (206) 622-8130

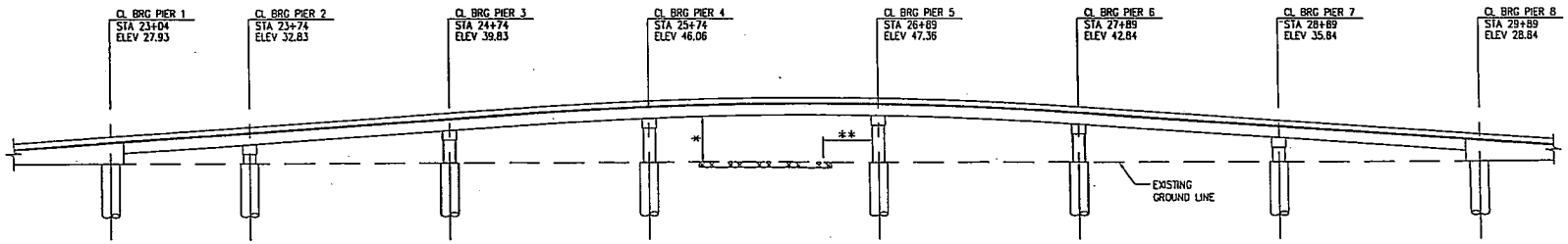
City of Seattle
Seattle Department of Transportation

S LANDER STREET GRADE SEPARATION
115 FT SPAN LAYOUT #1 - 48 WEB



PLAN

0 30 60 90
SCALE IN FEET



* 23'-6" MINIMUM VERTICAL CLEARANCE.
** 25'-0" MINIMUM HORIZONTAL CLEARANCE.

ELEVATION

GRADE ELEVATIONS SHOWN ARE FINISHED GRADES AT TOP OF ROADWAY SLAB ON S. LANDER ST. STATION LINE AND ARE EQUAL TO PROFILE GRADE

0 30 60 90
SCALE IN FEET

DRAFT

P.C. GIRDERS (WF42G)
LOADING: HL-93

VAULT/SHD SER. NO	DATE	MARK	NATURE REASONS	MADE	CHK'D	REV'D

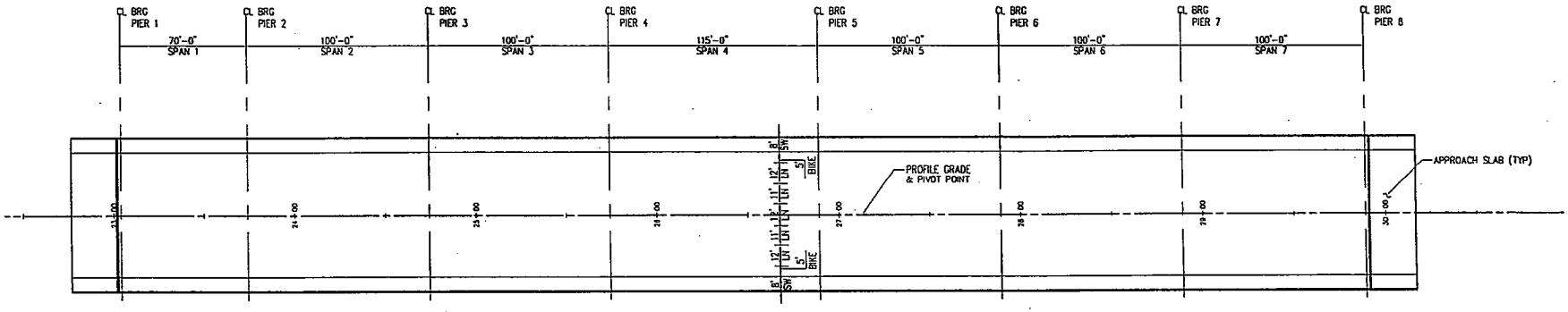
CAD USER: lorraine PLOT DATE: Jul 31, 2007-02:17pm
FILE: V:\06531 (South Lander St)\Design\FIGURES\115FT - SJ1.dwg

kpff Consulting Engineers
1601 Fifth Avenue, Suite 1600
Seattle, Washington 98101
(206) 622-5822 Fax (206) 622-8130

City of Seattle
Seattle Department of Transportation

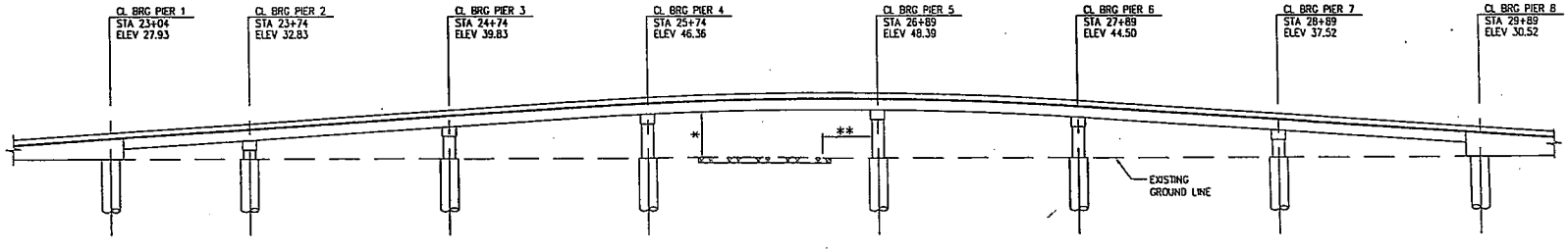
S LANDER STREET GRADE SEPARATION

115 FT SPAN LAYOUT #1 - WF42G



PLAN

0 30 60 90
SCALE IN FEET



* 23'-6" MINIMUM VERTICAL CLEARANCE.
** 25'-0" MINIMUM HORIZONTAL CLEARANCE.

ELEVATION

GRADE ELEVATIONS SHOWN ARE FINISHED GRADES AT TOP OF ROADWAY SLAB ON S. LANDER ST. STATION LINE AND ARE EQUAL TO PROFILE GRADE

0 30 60 90
SCALE IN FEET

DRAFT

P.C. GIRDERS (WF50G)
LOADING: HL-93

VAULT/SWD SER. NO	DATE	MARK	NATURE REVISIONS	MADE	CHK'D	REV'D

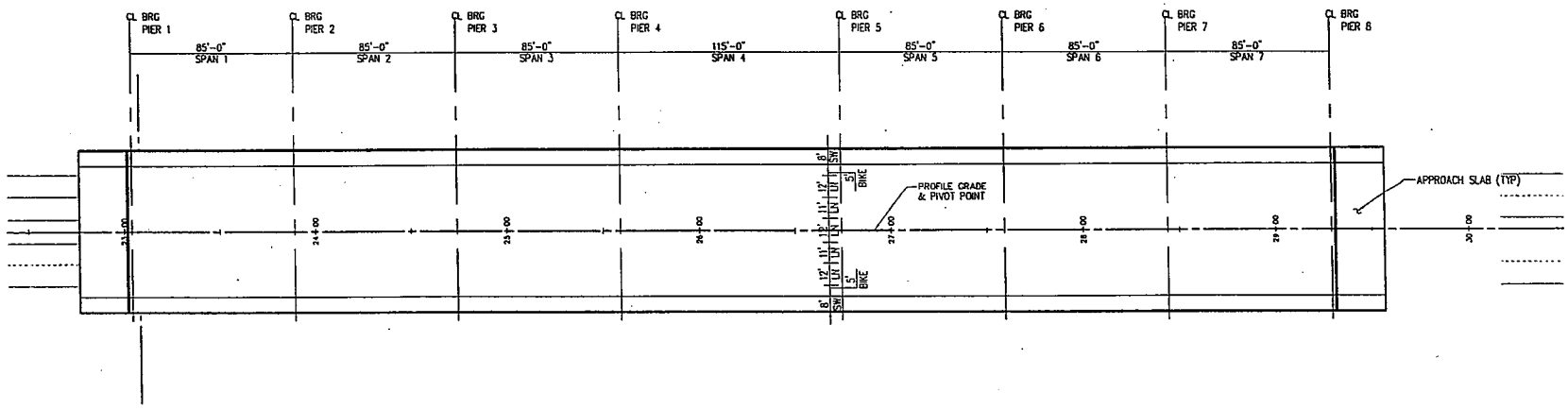
CAD USER: tamiea PLOT DATE: Jul 31, 2007-02:17pm
PATH: V:\10531 (South Lander St)\Design\FIGURES\115FT - SLJ1.dwg

kpff Consulting Engineers
1601 Fifth Avenue, Suite 1600
Seattle, Washington 98101
(206) 622-5822 Fax (206) 622-8130

City of Seattle
Seattle Department of Transportation

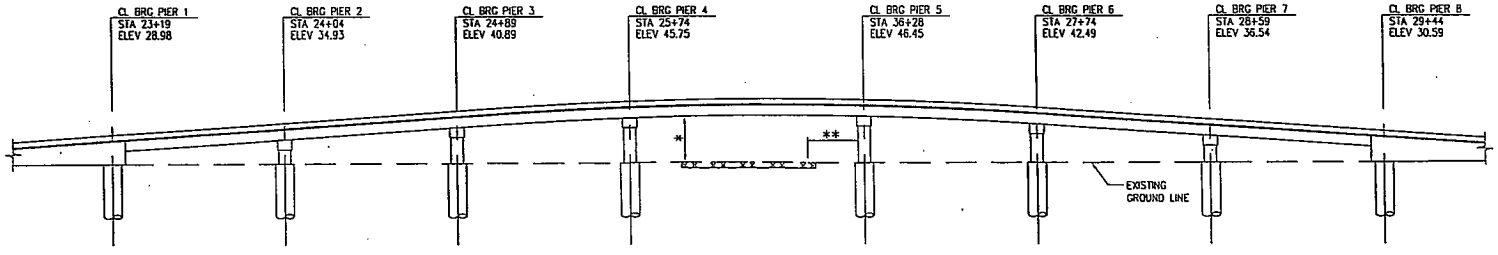
S LANDER STREET GRADE SEPARATION

115 FT SPAN LAYOUT #1 - WF50G



PLAN

0 30 60 90
SCALE IN FEET



* 23'-6" MINIMUM VERTICAL CLEARANCE.
** 25'-0" MINIMUM HORIZONTAL CLEARANCE.

ELEVATION

GRADE ELEVATIONS SHOWN ARE FINISHED GRADES AT TOP OF ROADWAY SLAB ON S. LANDER ST. STATION LINE AND ARE EQUAL TO PROFILE GRADE

0 30 60 90
SCALE IN FEET

DRAFT

COMPOSITE STEEL PLATE GIRDER
LOADING: HL-93

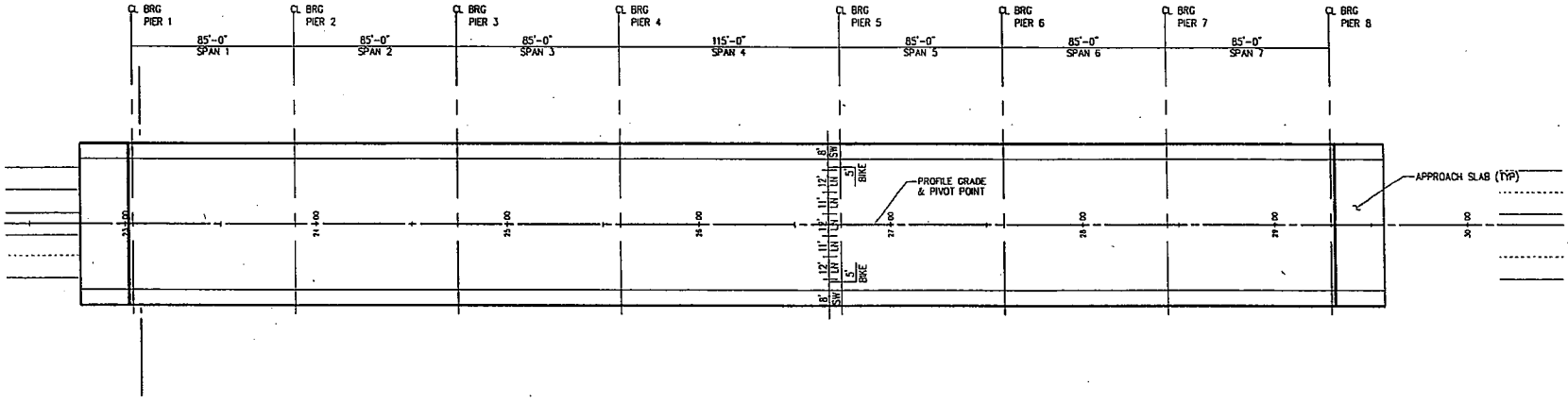
VAULT/SWD SCR. NO	DATE	MARK	NATURE REVISIONS	MADE	CHK'D	REV'D

CAD USER: launiea PLOT DATE: Jul 31, 2007-02:17pm
PATH: V:\106531 (South Lander St)\Design\FIGURES\115FT - SLJ2.dwg

kpff Consulting Engineers
1601 Fifth Avenue, Suite 1600
Seattle, Washington 98101
(206) 622-5822 Fax (206) 622-8130

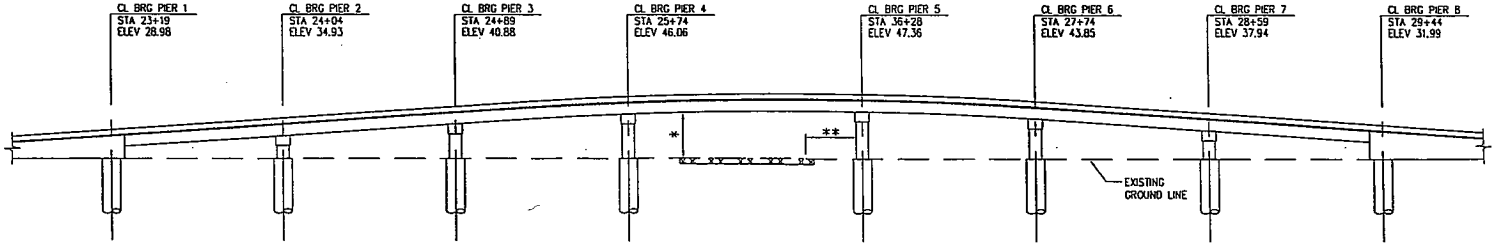
City of Seattle
Seattle Department of Transportation

S LANDER STREET GRADE SEPARATION
115 FT SPAN LAYOUT #2 - 36 WEB



PLAN

0 30 60 90
SCALE IN FEET



* 23'-6" MINIMUM VERTICAL CLEARANCE.
** 25'-0" MINIMUM HORIZONTAL CLEARANCE.

ELEVATION

GRADE ELEVATIONS SHOWN ARE FINISHED GRADES AT TOP OF ROADWAY SLAB ON S. LANDER ST. STATION LINE AND ARE EQUAL TO PROFILE GRADE

0 30 60 90
SCALE IN FEET

DRAFT

COMPOSITE STEEL PLATE GIRDER
LOADING: HL-93

VAULT/SWD SER. NO	DATE	MARK	NATURE REVISIONS	MADE	CHK'D	REV'D

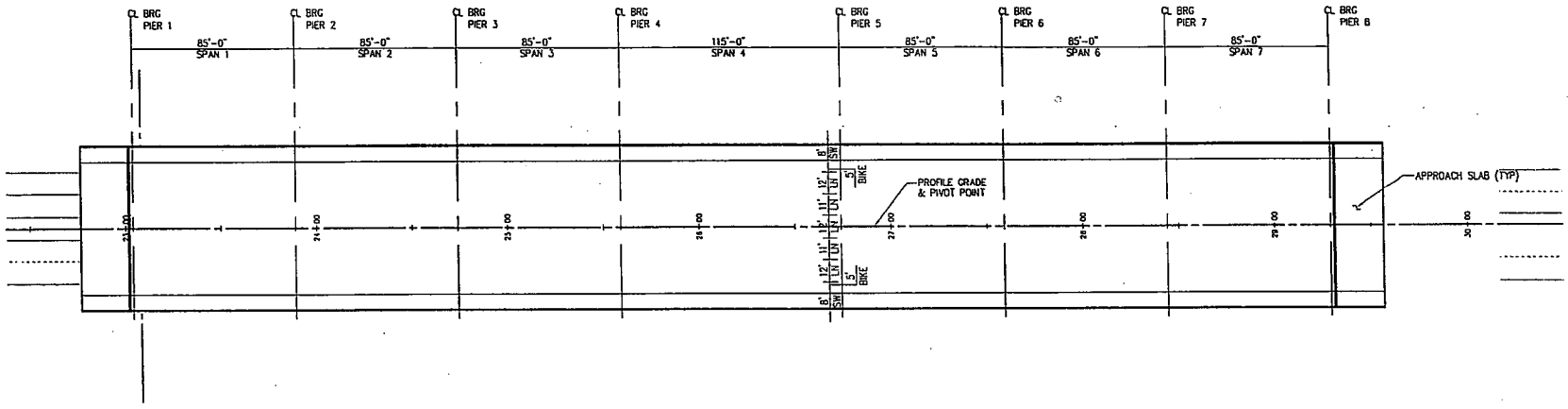
CAD USER: tounies PLOT DATE: Jul 31, 2007-02:18pm
PATH: V:\106531 (South Lander St)\Design\FIGURES\115FT - SLJ2.dwg

kpff Consulting Engineers
1601 Fifth Avenue, Suite 1600
Seattle, Washington 98101
(206) 622-5822 Fax (206) 622-8130

City of Seattle
Seattle Department of Transportation

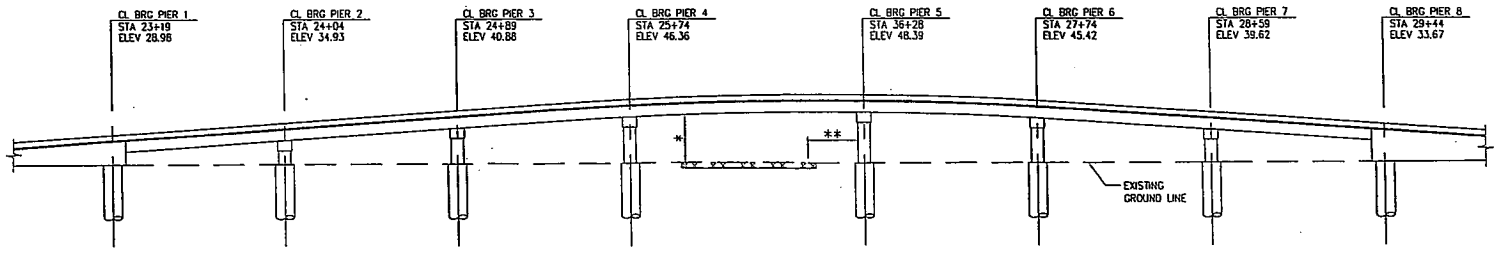
S LANDER STREET GRADE SEPARATION

115 FT SPAN LAYOUT #2 - 42 WEB



PLAN

0 30 60 90
SCALE IN FEET



* 23'-6" MINIMUM VERTICAL CLEARANCE.
** 25'-0" MINIMUM HORIZONTAL CLEARANCE.

ELEVATION

GRADE ELEVATIONS SHOWN ARE FINISHED GRADES AT TOP OF ROADWAY SLAB ON S. LANDER ST. STATION LINE AND ARE EQUAL TO PROFILE GRADE

0 30 60 90
SCALE IN FEET

DRAFT

COMPOSITE STEEL PLATE GIRDER
LOADING: HL-93

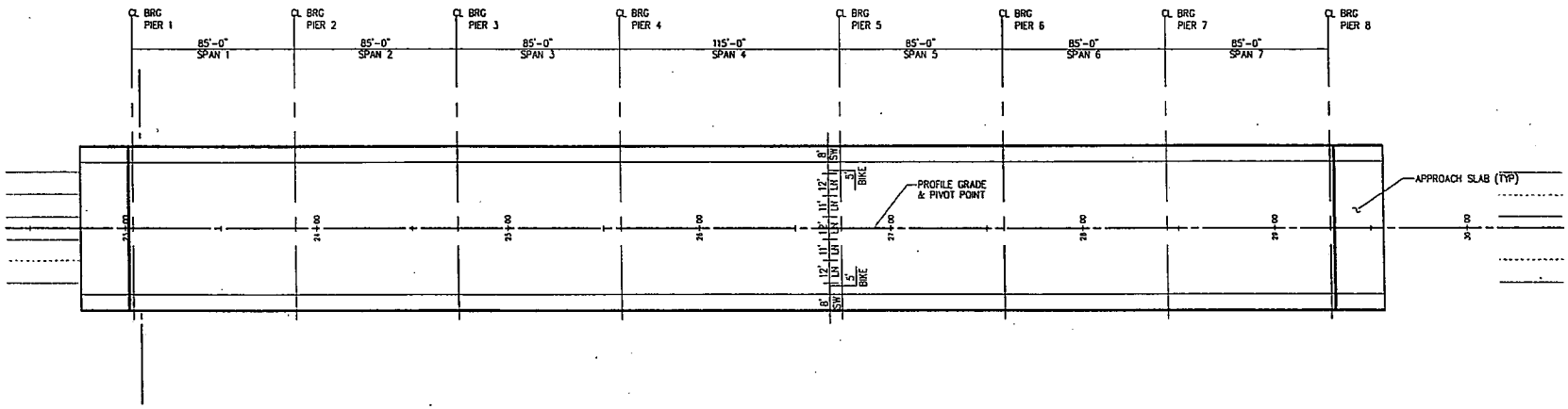
VAULT/SWD SER. NO	DATE	MARK	NATURE REVISIONS	MADE	CHK'D	REV'D

CAD USER: tauriea PLOT DATE: Jul 31, 2007-02:17pm
PATH: V:\106531 (South Lander St)\Design\FIGURES\115FT - SL12.dwg

kpff Consulting Engineers
1601 Fifth Avenue, Suite 1600
Seattle, Washington 98101
(206) 622-5822 Fax (206) 622-8130

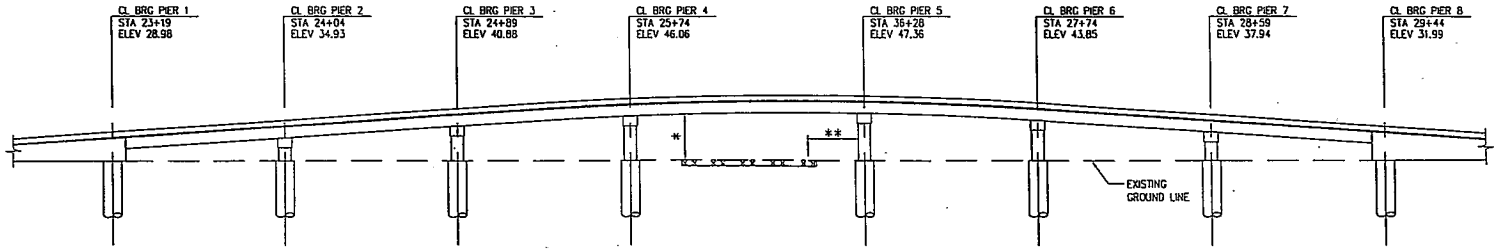
City of Seattle
Seattle Department of Transportation

S LANDER STREET GRADE SEPARATION
115 FT SPAN LAYOUT #2 - 48 WEB



PLAN

0 30 60 90
SCALE IN FEET



* 23'-6" MINIMUM VERTICAL CLEARANCE.
** 25'-0" MINIMUM HORIZONTAL CLEARANCE.

ELEVATION

GRADE ELEVATIONS SHOWN ARE FINISHED GRADES AT TOP OF ROADWAY SLAB ON S. LANDER ST. STATION LINE AND ARE EQUAL TO PROFILE GRADE

0 30 60 90
SCALE IN FEET

DRAFT

P.C. GIRDERS (WF42G)
LOADING: HL-93

VAULT/SWD SER. NO	DATE	MARK	NATURE REVISIONS	MADE	CHK'D	REV'D

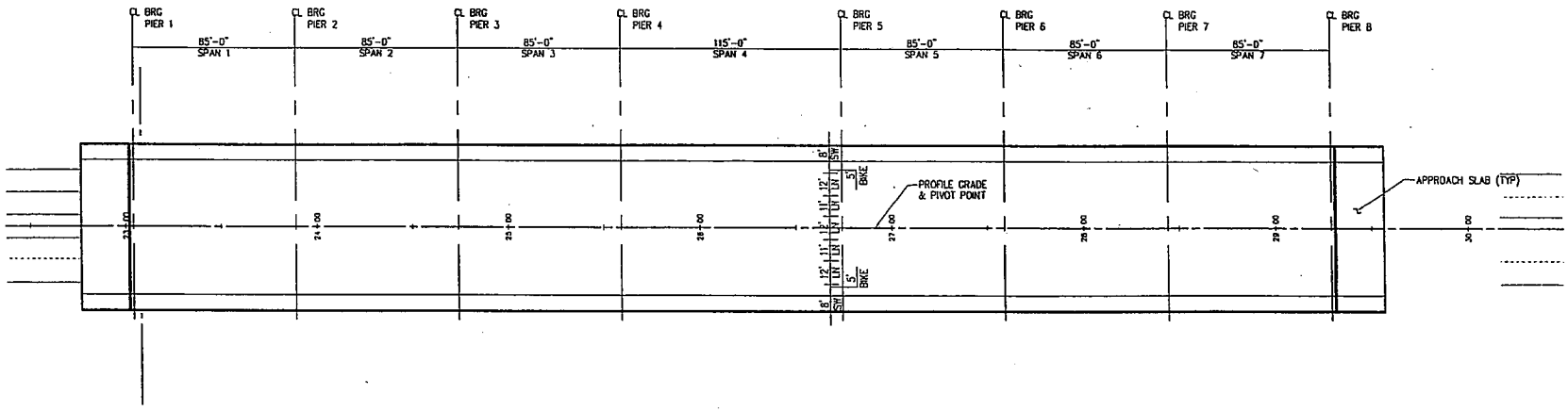
CAD USER: lounice PLOT DATE: Jul 31, 2007-02:17pm
PATH: V:\106531 (South Lander St)\Design\FIGURES\115FT - SLF2.dwg

kpff Consulting Engineers
1601 Fifth Avenue, Suite 1600
Seattle, Washington 98101
(206) 622-5822 Fax (206) 622-8130

City of Seattle
Seattle Department of Transportation

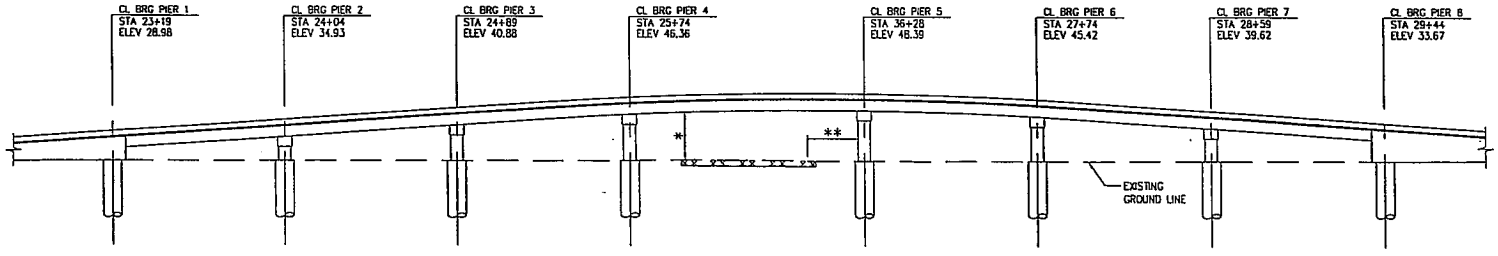
S LANDER STREET GRADE SEPARATION

115 FT SPAN LAYOUT #2 - WF42G



PLAN

0 30 60 90
SCALE IN FEET



* 23'-6" MINIMUM VERTICAL CLEARANCE.
** 25'-0" MINIMUM HORIZONTAL CLEARANCE.

ELEVATION

GRADE ELEVATIONS SHOWN ARE FINISHED GRADES AT TOP OF ROADWAY SLAB ON S. LANDER ST. STATION LINE AND ARE EQUAL TO PROFILE GRADE

0 30 60 90
SCALE IN FEET

DRAFT

P.C. GIRDERS (WF50G)
LOADING: HL-93

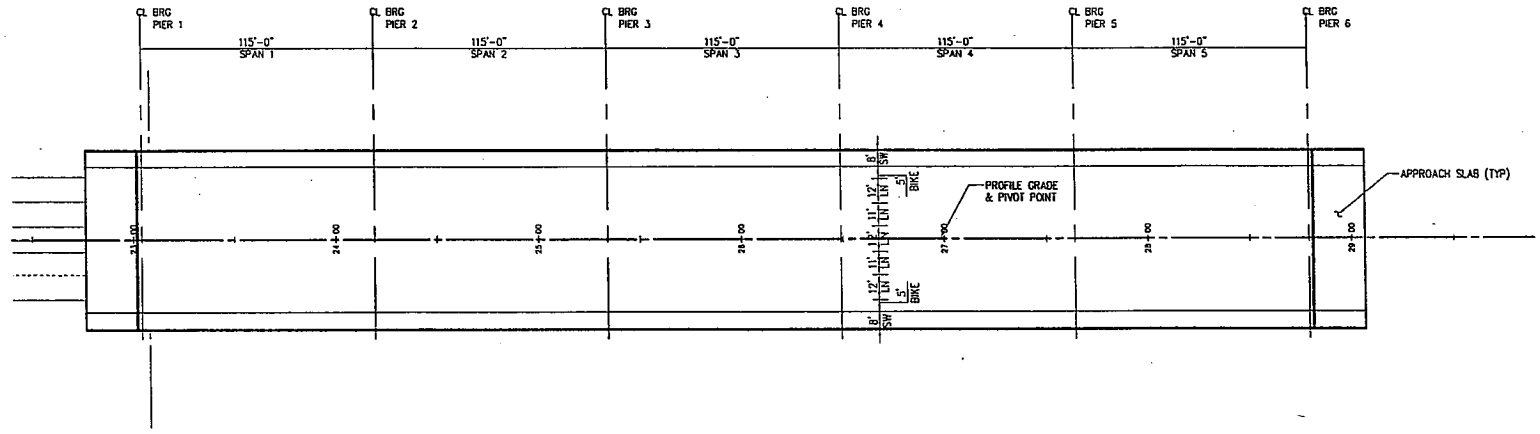
VAULT/SWD SER. NO	DATE	MARK	NATURE REVISIONS	MADE	CHK'D	REV'D

CAD USER: lawnico PLOT DATE: Jul 31, 2007-02:17pm
PATH: V:\106531 (South Lander St)\Design\FIGURES\115FT - SL12.dwg

kpff Consulting Engineers
1601 Fifth Avenue, Suite 1600
Seattle, Washington 98101
(206) 622-5822 Fax (206) 622-8130

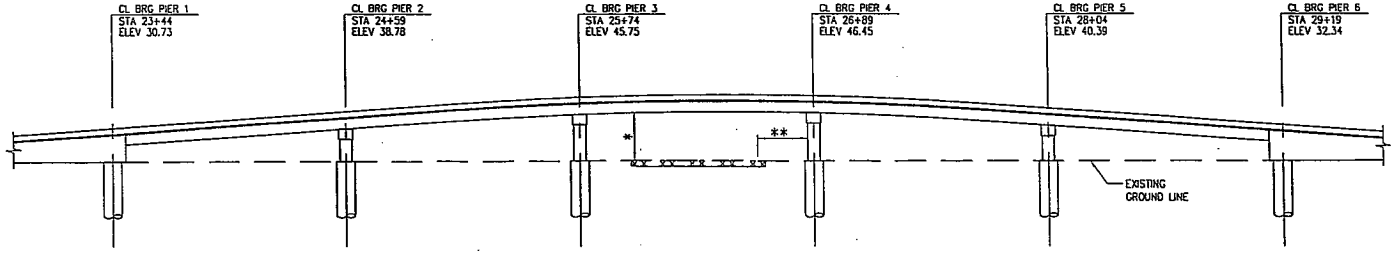
City of Seattle
Seattle Department of Transportation

S LANDER STREET GRADE SEPARATION
115 FT SPAN LAYOUT #2 - WF50G



PLAN

0 30 60 90
SCALE IN FEET



* 23'-6" MINIMUM VERTICAL CLEARANCE.
** 25'-0" MINIMUM HORIZONTAL CLEARANCE.

ELEVATION

GRADE ELEVATIONS SHOWN ARE FINISHED GRADES AT TOP OF ROADWAY SLAB ON S. LANDER ST. STATION LINE AND ARE EQUAL TO PROFILE GRADE

0 30 60 90
SCALE IN FEET

DRAFT

COMPOSITE STEEL PLATE GIRDER
LOADING: HL-93

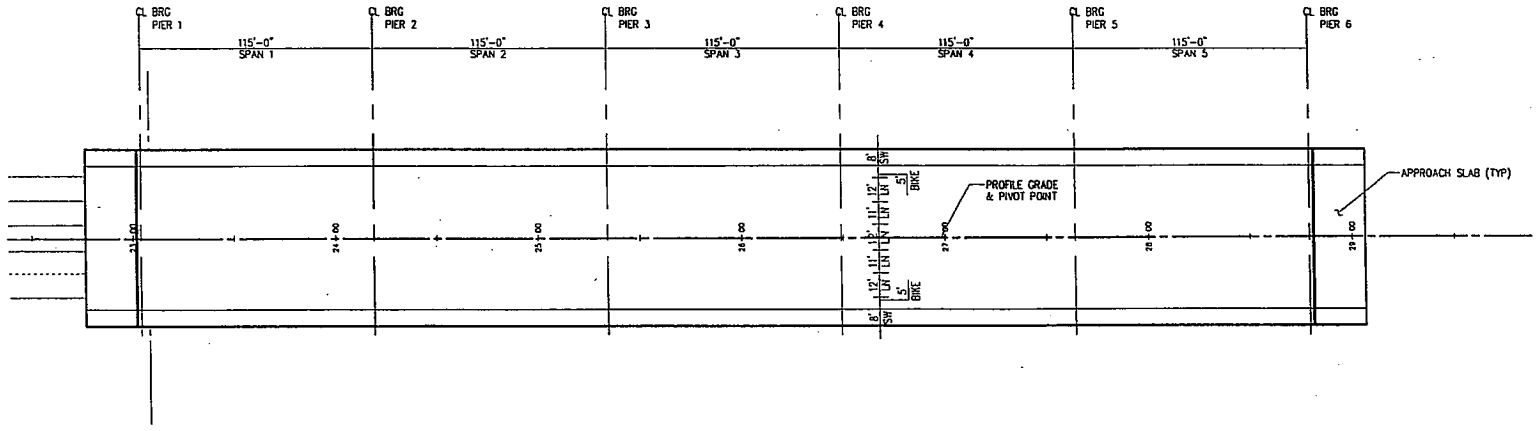
VAULT/SWD SER. NO	DATE	MARK	NATURE REVISIONS	MADE	CHK'D	REV'D

CAD USER: lonnie PLOT DATE: Jul 31, 2007-02:18pm
PATH: V:\10651\ (South Lander St)\Design\FIGURES\115FT - SL13.dwg

kpff Consulting Engineers
1601 Fifth Avenue, Suite 1600
Seattle, Washington 98101
(206) 622-5822 Fax (206) 622-8130

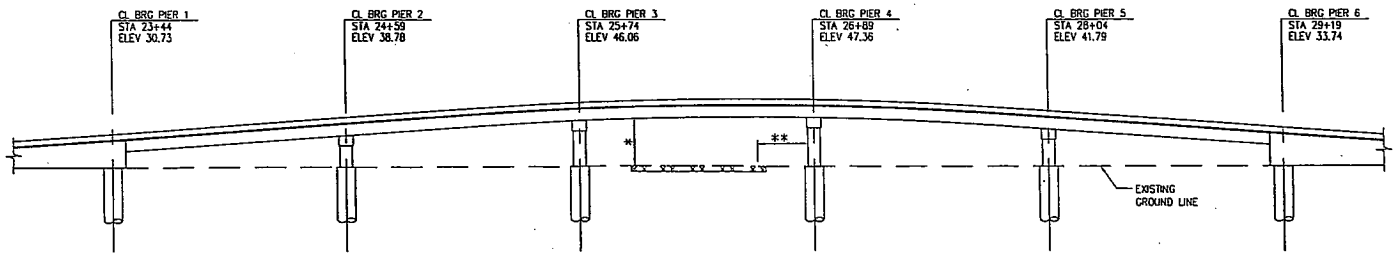
City of Seattle
Seattle Department of Transportation

S LANDER STREET GRADE SEPARATION
115 FT SPAN LAYOUT #3 - 36 WEB



PLAN

0 30 60 90
SCALE IN FEET



* 23'-6" MINIMUM VERTICAL CLEARANCE.
** 25'-0" MINIMUM HORIZONTAL CLEARANCE.

ELEVATION

GRADE ELEVATIONS SHOWN ARE FINISHED GRADES AT TOP OF ROADWAY SLAB ON S. LANDER ST. STATION LINE AND ARE EQUAL TO PROFILE GRADE

0 30 60 90
SCALE IN FEET

DRAFT

COMPOSITE STEEL PLATE GIRDER
LOADING: HL-93

VAULT/SWD SER. NO	DATE	MARK	NATURE	MADE	CHK'D	REV'D
			REVISIONS			

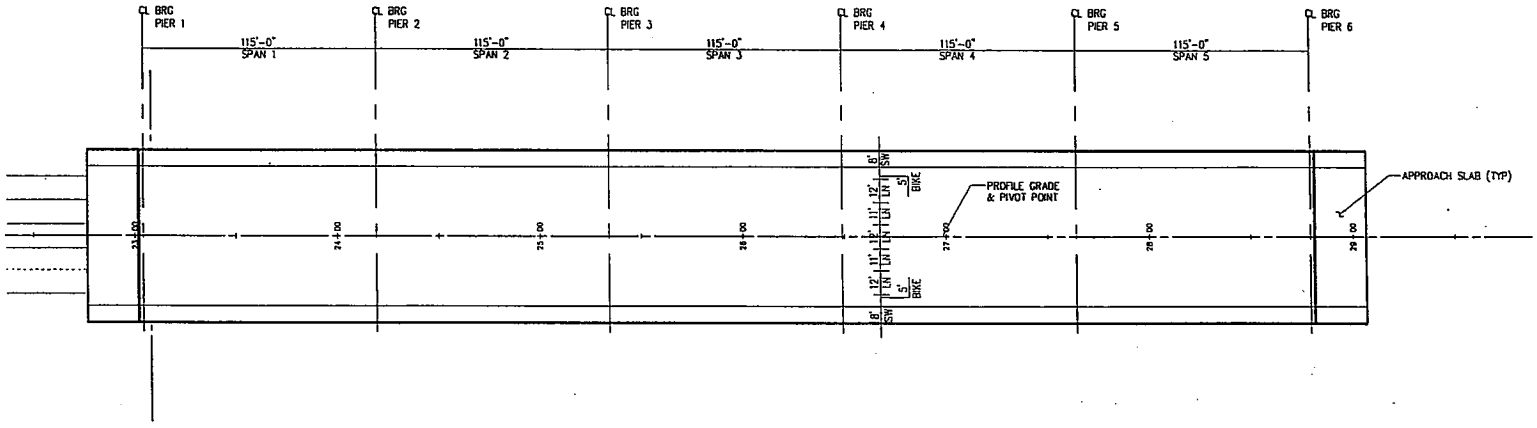
CAD USER: launiea PLOT DATE: Jul 31, 2007-02:18pm
PATH: V:\106531 (South Lander St)\Design\FIGURES\115FT - SLJ3.dwg

kpff Consulting Engineers
1601 Fifth Avenue, Suite 1600
Seattle, Washington 98101
(206) 622-5822 Fax (206) 622-8130

City of Seattle
Seattle Department of Transportation

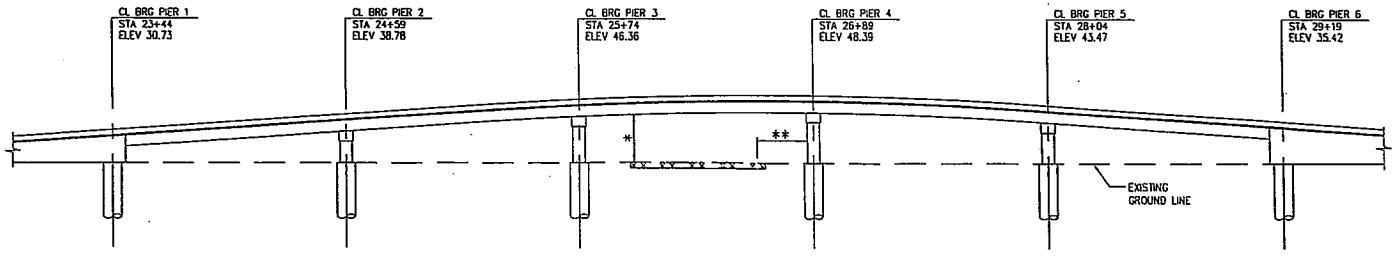
S LANDER STREET GRADE SEPARATION

115 FT SPAN LAYOUT #3 - 42 WEB



PLAN

0 30 60 90
SCALE IN FEET



* 23'-6" MINIMUM VERTICAL CLEARANCE.
** 25'-0" MINIMUM HORIZONTAL CLEARANCE.

ELEVATION

GRADE ELEVATIONS SHOWN ARE FINISHED GRADES AT TOP OF ROADWAY SLAB ON S. LANDER ST. STATION LINE AND ARE EQUAL TO PROFILE GRADE

0 30 60 90
SCALE IN FEET

DRAFT

COMPOSITE STEEL PLATE GIRDER
LOADING: HL-93

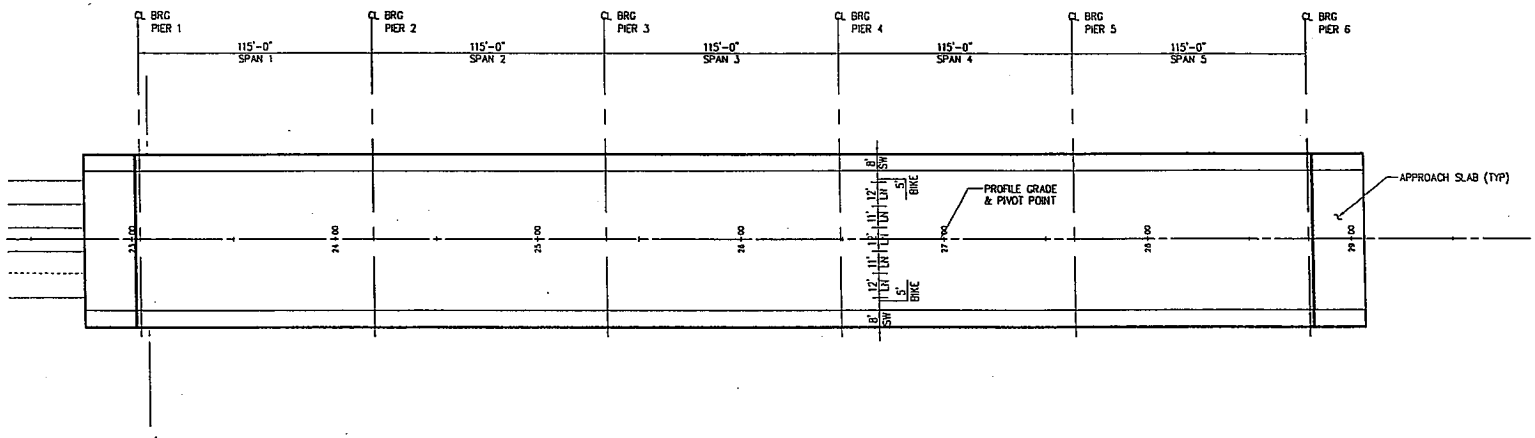
VAULT/SWD SER. NO	DATE	MARK	NATURE REVISIONS	MADE	CHK'D	REV'D

CAD USER: Lonnico PLOT DATE: Jul 31, 2007-02:18pm
PATH: V:\06531 (South Lander St)\Design\FIGURES\115FT - SLJ3.dwg

kpff Consulting Engineers
1601 Fifth Avenue, Suite 1600
Seattle, Washington 98101
(206) 622-5822 Fax (206) 622-8130

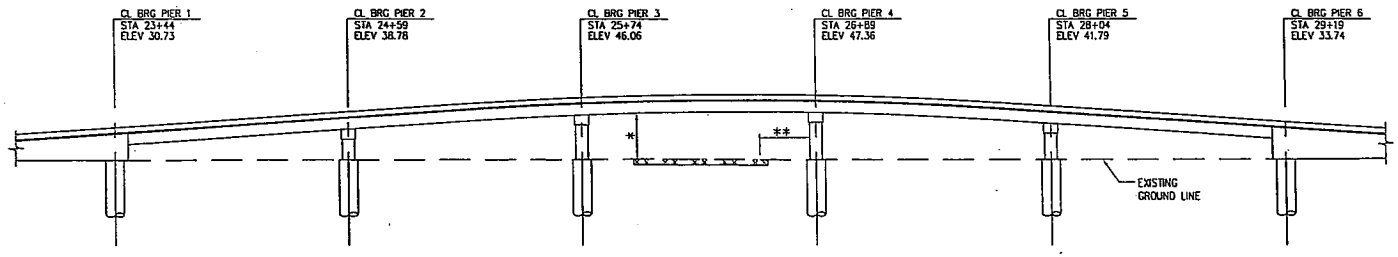
City of Seattle
Seattle Department of Transportation

S LANDER STREET GRADE SEPARATION
115 FT SPAN LAYOUT #3 - 48 WEB



PLAN

0 30 60 90
SCALE IN FEET



* 23'-6" MINIMUM VERTICAL CLEARANCE.
** 25'-0" MINIMUM HORIZONTAL CLEARANCE.

ELEVATION

GRADE ELEVATIONS SHOWN ARE FINISHED GRADES AT TOP OF ROADWAY SLAB ON S. LANDER ST. STATION LINE AND ARE EQUAL TO PROFILE GRADE

0 30 60 90
SCALE IN FEET

DRAFT

P.C. GIRDERS (WF42G)
LOADING: HL-93

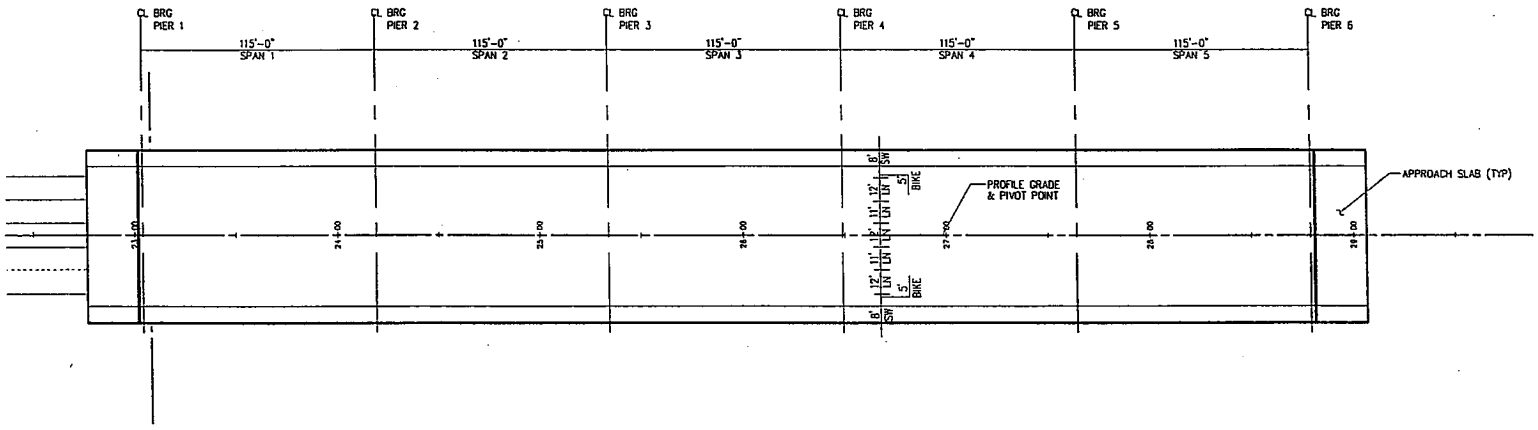
VAULT/SWD SER. NO	DATE	MARK	NATURE REVISIONS	MADE	CHK'D	REV'D

CAD USER: lounica PLOT DATE: Jul 31, 2007-02:18pm
PATH: V:\106531 (South Lander St)\Design\FIGURES\115FT - SLJ3.dwg

kpff Consulting Engineers
1601 Fifth Avenue, Suite 1600
Seattle, Washington 98101
(206) 622-5822 Fax (206) 622-8130

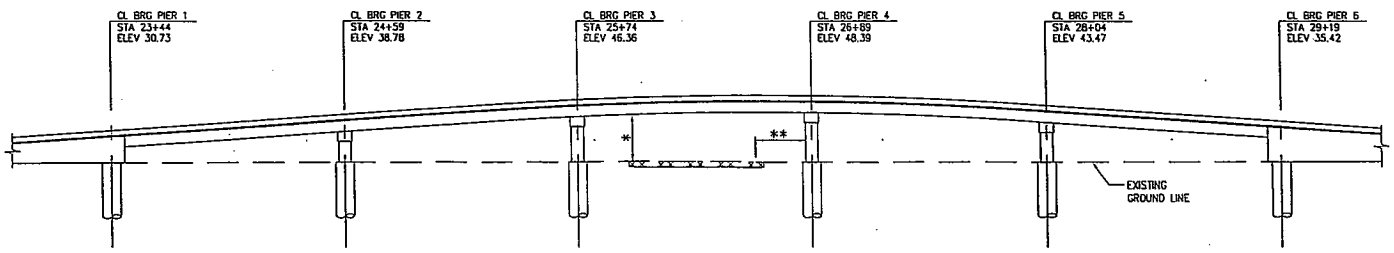
City of Seattle
Seattle Department of Transportation

S LANDER STREET GRADE SEPARATION
115 FT SPAN LAYOUT #3 - WF42G



PLAN

0 30 60 90
SCALE IN FEET



* 23'-6" MINIMUM VERTICAL CLEARANCE.
** 25'-0" MINIMUM HORIZONTAL CLEARANCE.

ELEVATION

GRADE ELEVATIONS SHOWN ARE FINISHED GRADES AT TOP OF ROADWAY SLAB ON S. LANDER ST. STATION LINE AND ARE EQUAL TO PROFILE GRADE

0 30 60 90
SCALE IN FEET

DRAFT

P.C. GIRDERS (WF50G)
LOADING: HL-93

VAULT/SWD SER. NO	DATE	MARK	NATURE REVISIONS	MADE	CHK'D	REV'D

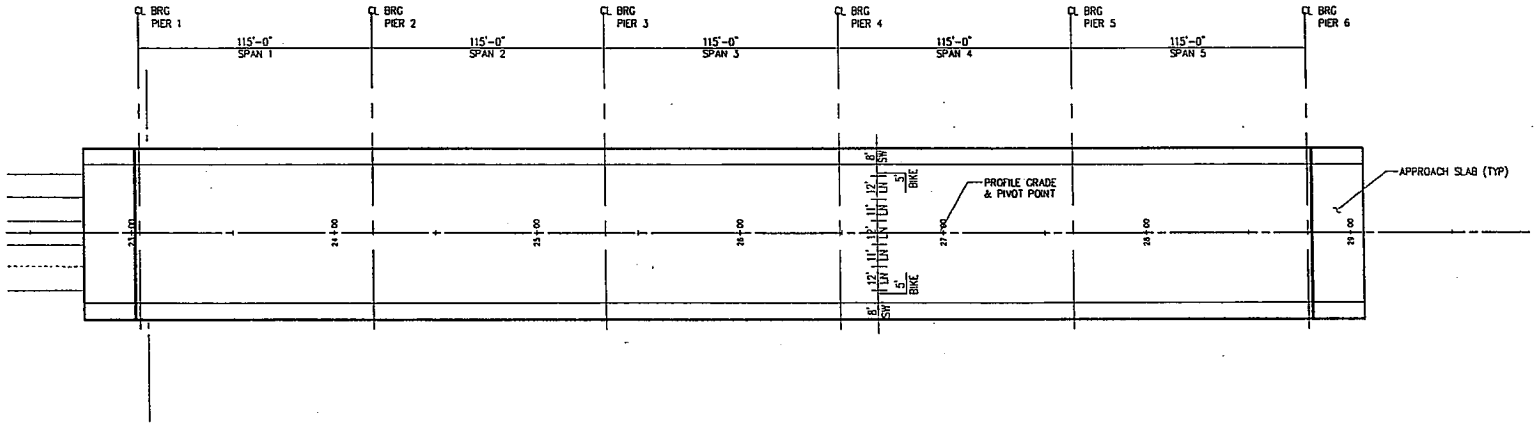
CAD USER: lauaiea PLOT DATE: Jul 31, 2007-02:18pm
PATH: V:\10653\ (South Lander St)\Design\FIGURES\115FT - SL#3.dwg

kpff Consulting Engineers
1601 Fifth Avenue, Suite 1600
Seattle, Washington 98101
(206) 622-5822 Fax (206) 622-8130

City of Seattle
Seattle Department of Transportation

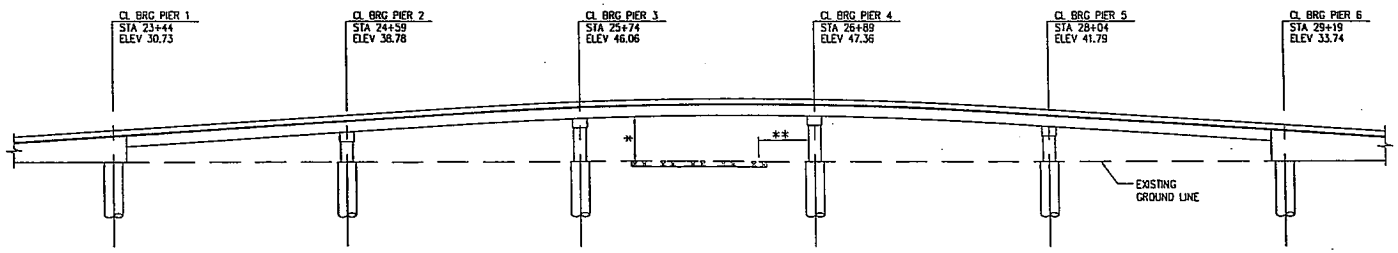
S LANDER STREET GRADE SEPARATION

115 FT SPAN LAYOUT #3 - WF50G



PLAN

0 30 60 90
SCALE IN FEET



* 23'-6" MINIMUM VERTICAL CLEARANCE.
** 25'-0" MINIMUM HORIZONTAL CLEARANCE.

ELEVATION

GRADE ELEVATIONS SHOWN ARE FINISHED GRADES AT TOP OF ROADWAY SLAB ON S. LANDER ST. STATION LINE AND ARE EQUAL TO PROFILE GRADE

0 30 60 90
SCALE IN FEET

DRAFT

CONCRETE BOX GIRDER
LOADING: HL-93

MARK	DATE	NATURE REVISIONS	MADE	CHK'D	REV'D

VAULT/SHD SETL HD

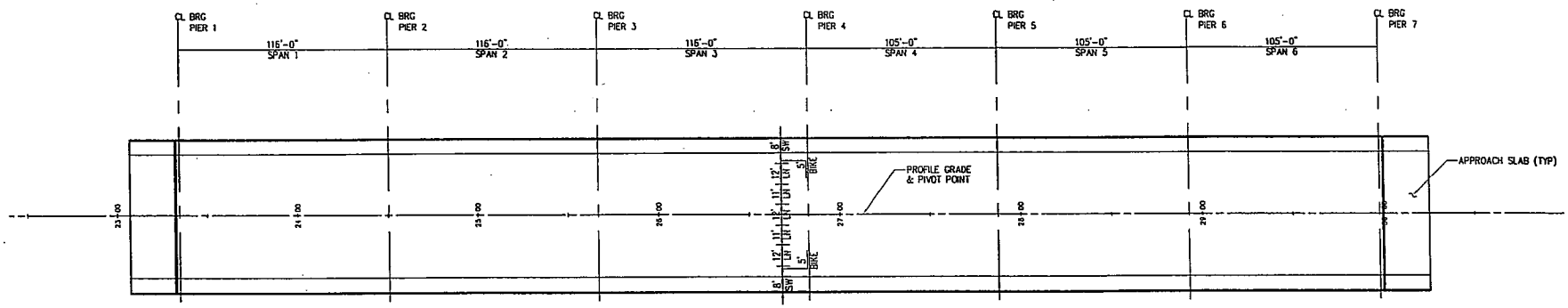
CAD USER: lenko PLOT DATE: Jul 31, 2007-02:18pm
PATH: Y:\10653\(South Lander St)\Design\FIGURES\115FT - SL13.dwg

kpff Consulting Engineers
1601 Fifth Avenue, Suite 1600
Seattle, Washington 98101
(206) 622-5822 Fax (206) 622-8130

City of Seattle
Seattle Department of Transportation

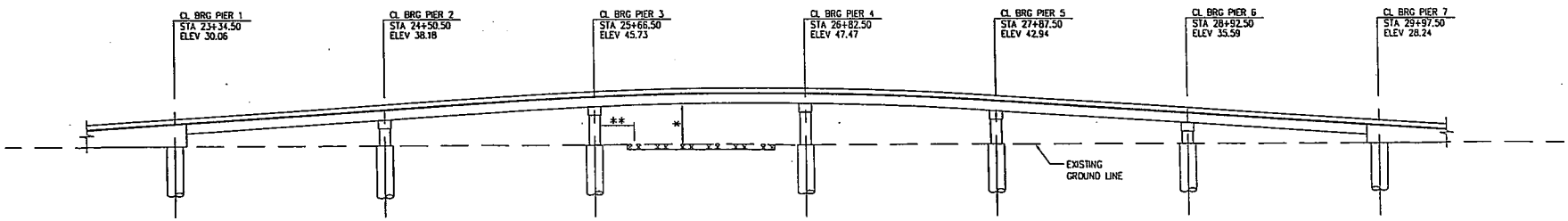
S LANDER STREET GRADE SEPARATION

115 FT SPAN LAYOUT #3 - CONCRETE BOX GIRDER



PLAN

0 30 60 90
SCALE IN FEET



* 23'-6" MINIMUM VERTICAL CLEARANCE.
** 18'-0" MINIMUM HORIZONTAL CLEARANCE.

ELEVATION

GRADE ELEVATIONS SHOWN ARE FINISHED GRADES AT TOP OF ROADWAY SLAB ON S. LANDER ST. STATION LINE AND ARE EQUAL TO PROFILE GRADE

0 30 60 90
SCALE IN FEET

DRAFT

COMPOSITE STEEL PLATE GIRDER
LOADING: HL-93

VAULT/SHD SER. NO	DATE	MARK	NATURE OF REVISIONS	MADE	CHK'D	REV'D

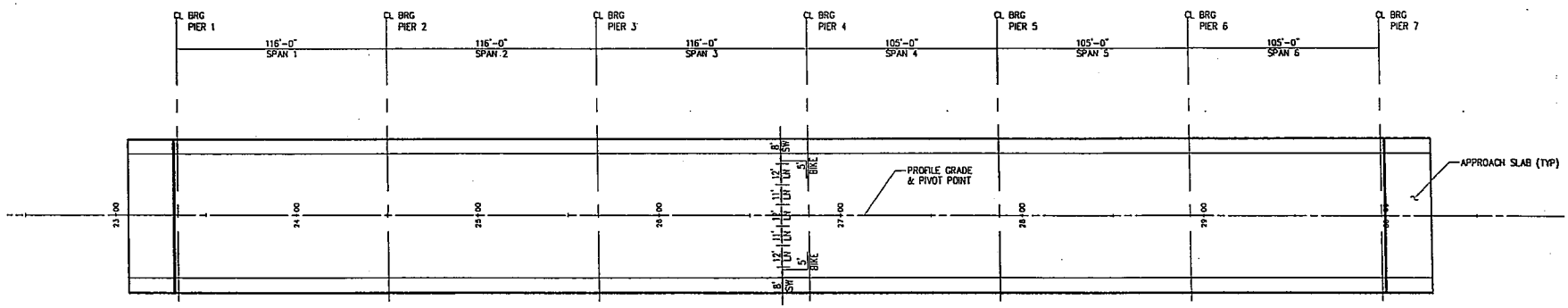
CAD USER: Lonnie PLOT DATE: Aug 20, 2007-02:22pm
PATH: Y:\106531 (South Lander St)\Design\PLOANES\1GFT - SL11.dwg

kpff Consulting Engineers
1601 Fifth Avenue, Suite 1600
Seattle, Washington 98101
(206) 622-5822 Fax (206) 622-8130

City of Seattle
Seattle Department of Transportation

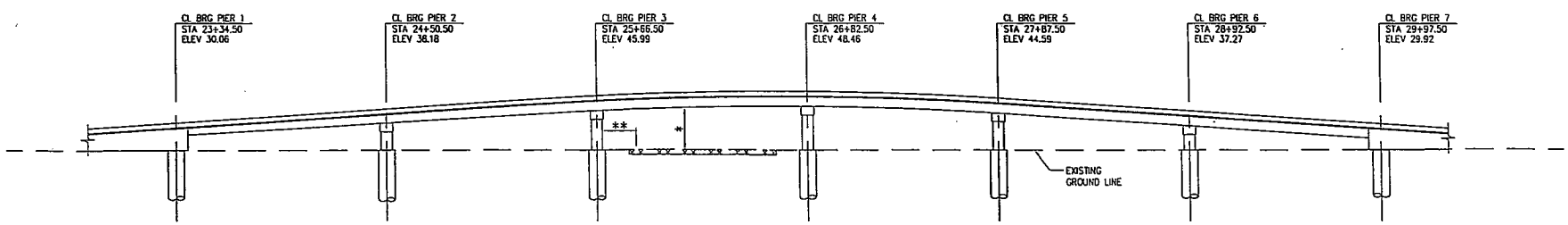
S LANDER STREET GRADE SEPARATION

116 FT SPAN LAYOUT #1 - 42 WEB



PLAN

0 30 60 90
SCALE IN FEET



* 23'-6" MINIMUM VERTICAL CLEARANCE.
** 18'-0" MINIMUM HORIZONTAL CLEARANCE.

ELEVATION

GRADE ELEVATIONS SHOWN ARE FINISHED GRADES AT TOP OF ROADWAY SLAB ON S. LANDER ST. STATION LINE AND ARE EQUAL TO PROFILE GRADE

0 30 60 90
SCALE IN FEET

DRAFT

P.C. GIRDERS (WF50G)
LOADING: HL-93

VAULT/SWD SER. NO	DATE	MARK	NATURE REVISIONS	MADE	CHK'D	REV'D

CAD USER: lounlia PLOT DATE: Aug 20, 2007-02:23pm
PATH: V:\105531 (South Lander St)\Design\FIGURES\116FT - SLJ1.dwg

kpff Consulting Engineers
1601 Fifth Avenue, Suite 1600
Seattle, Washington 98101
(206) 622-5822 Fax (206) 622-8130

City of Seattle
Seattle Department of Transportation

S LANDER STREET GRADE SEPARATION

116 FT SPAN LAYOUT #1 - WF50G