Tennessee Valley Authority
Regulatory Submittal for Kingston Fossil Plant

Documents submitted
Kingston Entrance Restoration Work Plan

Date submitted
11/19/2012

Submitted to whom
Craig Zeller, EPA

Concurrence

Received	Not Applicable	TVA
☒	☐	Kathryn Nash
☒	☐	Tim Russ
☒	☐	Michelle Cagley MC

Received	Not Applicable	Jacobs
☒	☐	Jack Howard
☒	☐	Butch Parton

Approvals

TVA _____ for Kathryn Nash Date 11/19/12

EPA _____ Date 11/19/12

cc:

- ☒ Anda Ray, TVA
- ☒ Paul Schmierbach, TDEC
- ☒ Brenda Brickhouse, TVA
- ☒ Brian Fowler, TVA
- ☒ Craig Zeller, EPA
- ☒ Dennis Yankee, TVA
- ☒ Kathryn Nash, TVA
- ☒ Cynthia Anderson, TVA
- ☒ EDM
- ☒ Jack Howard, Jacobs
- ☒ Michelle Cagley, TVA
- ☒ Greg Signer, TVA
- ☒ KIF Incident Document Control
- ☒ Michael Clemmons, TVA
- ☒ Amanda Miolen, EPA
- ☒ Robert Pullen, Jacobs
- ☒ Document Control, Jacobs (Terry Crabtree-Hagemann)

Kingston Entrance Restoration Work Plan

1.0 Purpose of Work

The objective of this work plan is to outline construction activities associated with the planned site modifications to the North entrance of the Kingston Fossil plant. Due to changes in the surrounding area relative to the Ash Recovery Project, modifications to existing grades are needed to solve the inadequate drainage issues that have resulted. The modifications will also allow for beautification efforts to concurrently be implemented as part as the final overall site restoration.

2.0 Design Components

The ground elevation surrounding the existing entrance road and in the existing trailer city area will be raised in order to provide adequate drainage for the area. The elevation of the existing road grade will be raised as well to compliment the new ground elevation and solve the water ponding issue that currently occurs. A landscape architect will be consulted to provide an overall master plan of site enhancements (i.e. shrubberies, trees, mulch, etc) for the area. These enhancements are intended to beautify the site and contribute to the overall site restoration plan.

3.0 Construction Management

Clay materials hauled from the north borrow area will be used to raise grades as needed to satisfy the design drawings. Erosion control measures such as silt fencing, waddles, hay bales, check dams, and other standard practices will be utilized during construction to handle any erosion due to runoff if needed. Clay areas will be seeded with grass as a permanent measure once final grade has been achieved. Asphalt paving work will be contracted out to a qualified contractor. All roadways will be constructed according to TDOT specifications as required.

4.0 Schedule

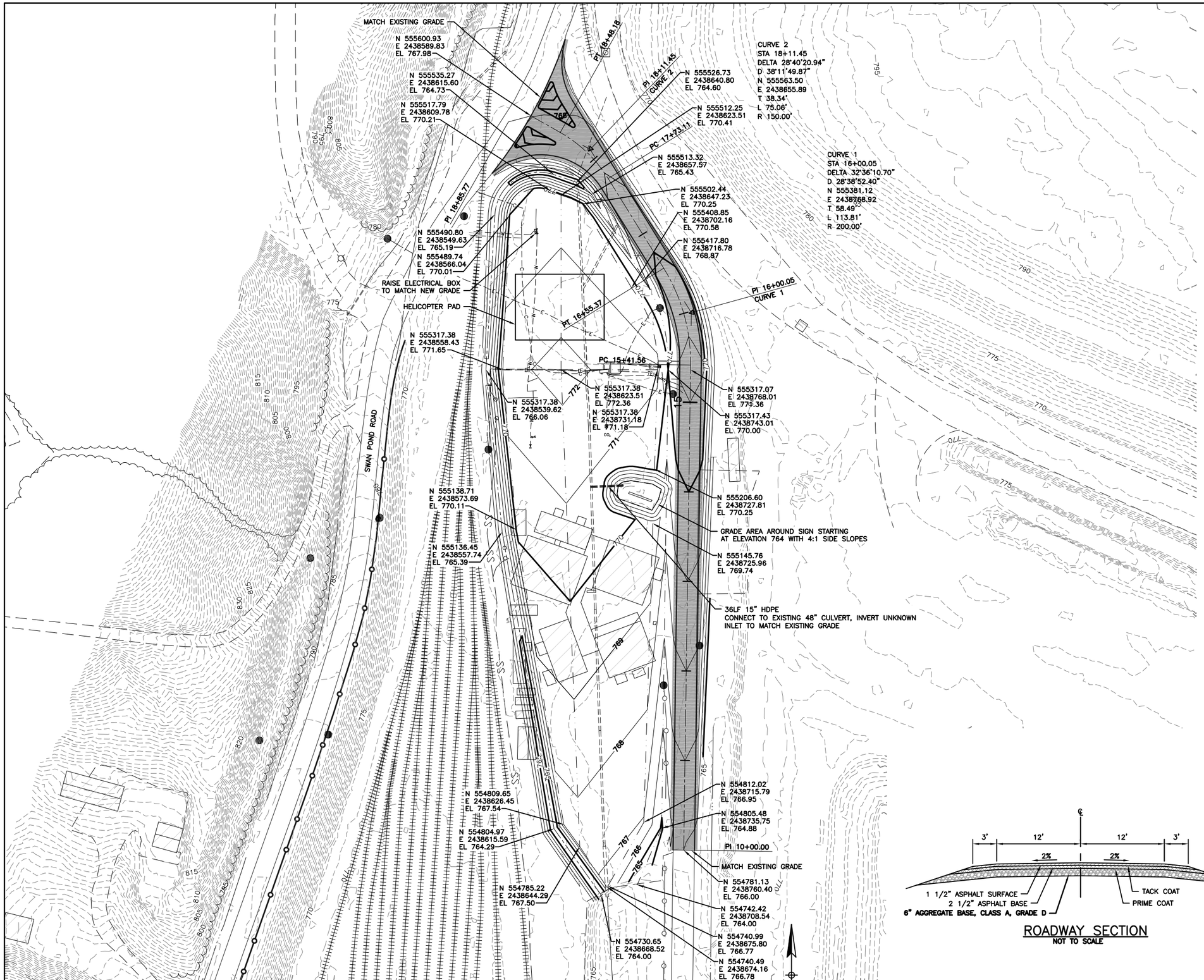
The site modifications will be conducted in phases. The first phase will consist of the preliminary grade work as shown on INF-SK-180 Rev B. Later phases will be determined and completed as the ash recovery project comes to an end and the support trailers are removed from their current location. Drawing INF-SK-180 Rev A is a tentative drawing showing proposed site modifications and is subject to change.

5.0 Waste Management

Asphalt waste will be recycled to the extent possible with the remainder being sent to an acceptable landfill. No other waste, other than miscellaneous construction debris, will be created.

6.0 Health and Safety

All construction activities will be done in accordance with site wide Health and Safety Plan. All daily construction activities may commence only after a mandatory pre-construction meeting and a JSA shall be developed for all field activities.



PLAN
SCALE: 1"=50'

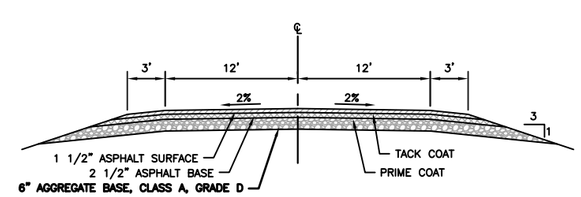
0 50' 100' 150'

QUANTITIES:

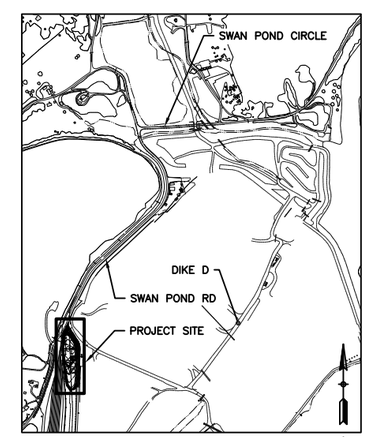
EARTHWORK:
1,189.4 CY CUT
15,982.2 CY FILL (CLAY)

PAVEMENT:
6" AGGREGATE BASE – 567 CY
2 1/2" ASPHALT BASE – 236 CY
1 1/2" ASPHALT SURFACE – 147 CY
TACK COAT – 30,596 SF
PRIME COAT – 30,596 SF

STRIPING:
4" SINGLE YELLOW – 886 LF
4" SINGLE WHITE – 2746 LF
CHEVRON STRIPING – 133 LF



ROADWAY SECTION
NOT TO SCALE



KEY PLAN
NOT TO SCALE

REVISION NO.	DATE	DESCRIPTION	DRAWN BY	CHECKED BY	APPROVAL
A		ISSUED FOR CONSTRUCTION			

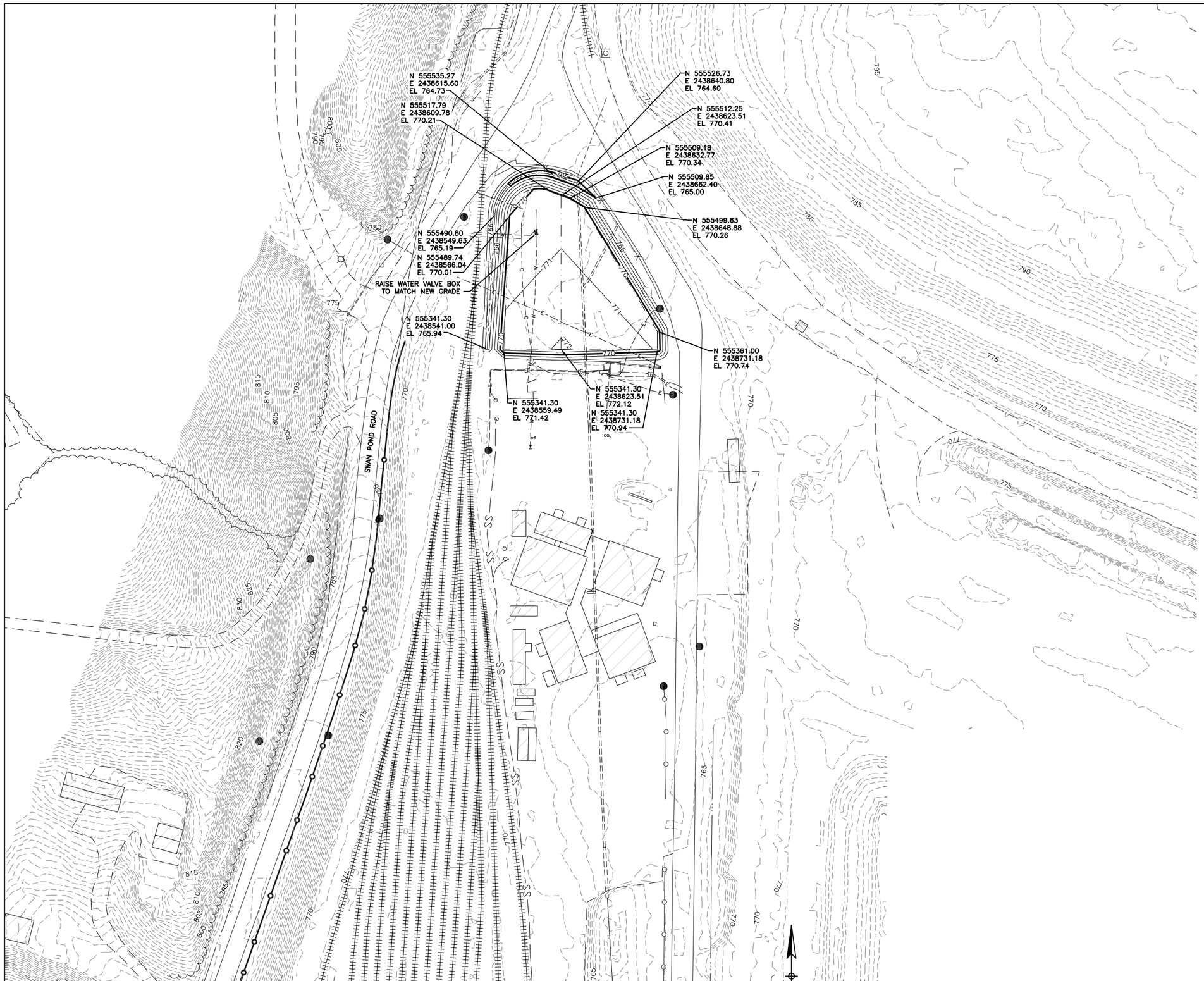
SEAL

JACOBS

KINGSTON FOSSIL PLANT
TENNESSE VALLEY AUTHORITY

MAIN ENTRANCE AND
TRAILER AREA RECONFIGURATION

SCALE:	DRAWING NO.	REV.
SHOWN	INF–SK–180	A



PLAN
SCALE: 1"=50'

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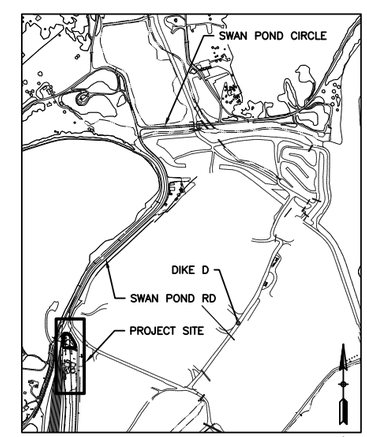

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KINGSTON FOSSIL PLANT
TENNESSE VALLEY AUTHORITY

MAIN ENTRANCE AND
TRAILER AREA RECONFIGURATION

SCALE:	DRAWING NO.	REV:
SHOWN	INF-SK-180	B