



KNOXVILLE SOUTH WATERFRONT PUBLIC IMPROVEMENTS

TVA SECTION 26A/ USACE SECTION 404 JOINT PERMIT APPLICATION

APPLICATION BY: CITY OF KNOXVILLE

PURPOSE: REDEVELOPMENT OF FORT LOUDON LAKE SOUTH WATERFRONT

LOCATION PLAN



SCALE: N.T.S.
SHEET 3 OF 53
DATE: 05/02/08



**KNOXVILLE SOUTH WATERFRONT PUBLIC
IMPROVEMENTS**

TVA SECTION 26A/ USACE SECTION 404 JOINT
PERMIT APPLICATION

APPLICATION BY: CITY OF KNOXVILLE

PURPOSE: REDEVELOPMENT OF FORT
LOUDON LAKE SOUTH WATERFRONT

SITE PHOTOS

SCALE: N.T.S.
SHEET 4 OF 53
DATE: 05/02/08



LOWER SECTION
Looking west from Gay Street Bridge



LOWER SECTION
Looking east from Henley Bridge



MIDDLE SECTION
Looking west from the river



MIDDLE SECTION
Looking west from the river



UPPER SECTION
Looking northwest along Island Home Avenue



UPPER SECTION
Looking north from Island Home Avenue

KNOXVILLE SOUTH WATERFRONT PUBLIC IMPROVEMENTS

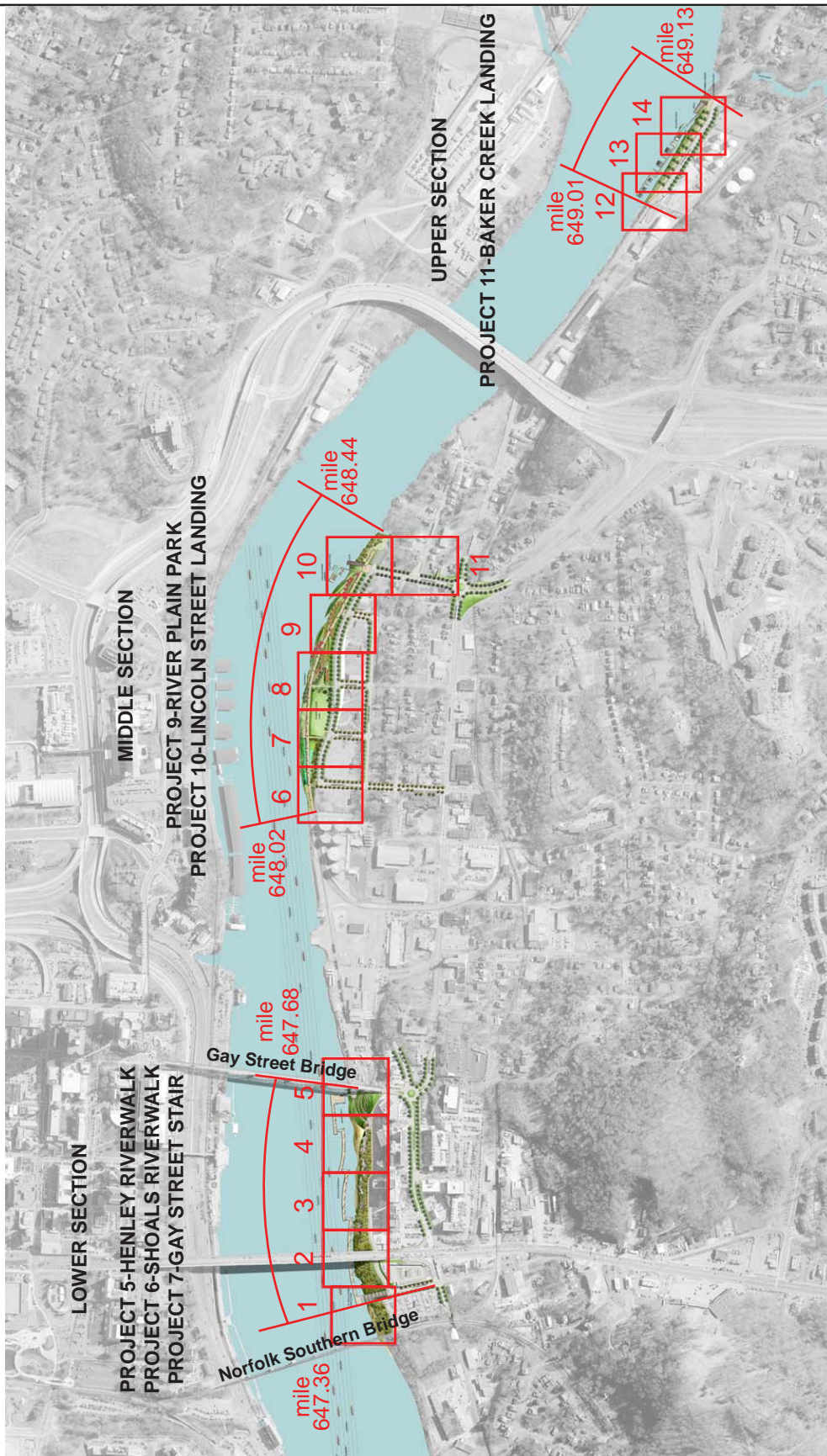
TVA SECTION 26A/ USACE SECTION 404 JOINT PERMIT APPLICATION

APPLICATION BY: CITY OF KNOXVILLE

PURPOSE: REDEVELOPMENT OF FORT LOUDON LAKE SOUTH WATERFRONT

SITE PHOTOS

SCALE: N.T.S.
SHEET 5 OF 53
DATE: 05/02/08



KNOXVILLE SOUTH WATERFRONT PUBLIC IMPROVEMENTS

TVA SECTION 26A/ USACE SECTION 404 JOINT PERMIT APPLICATION

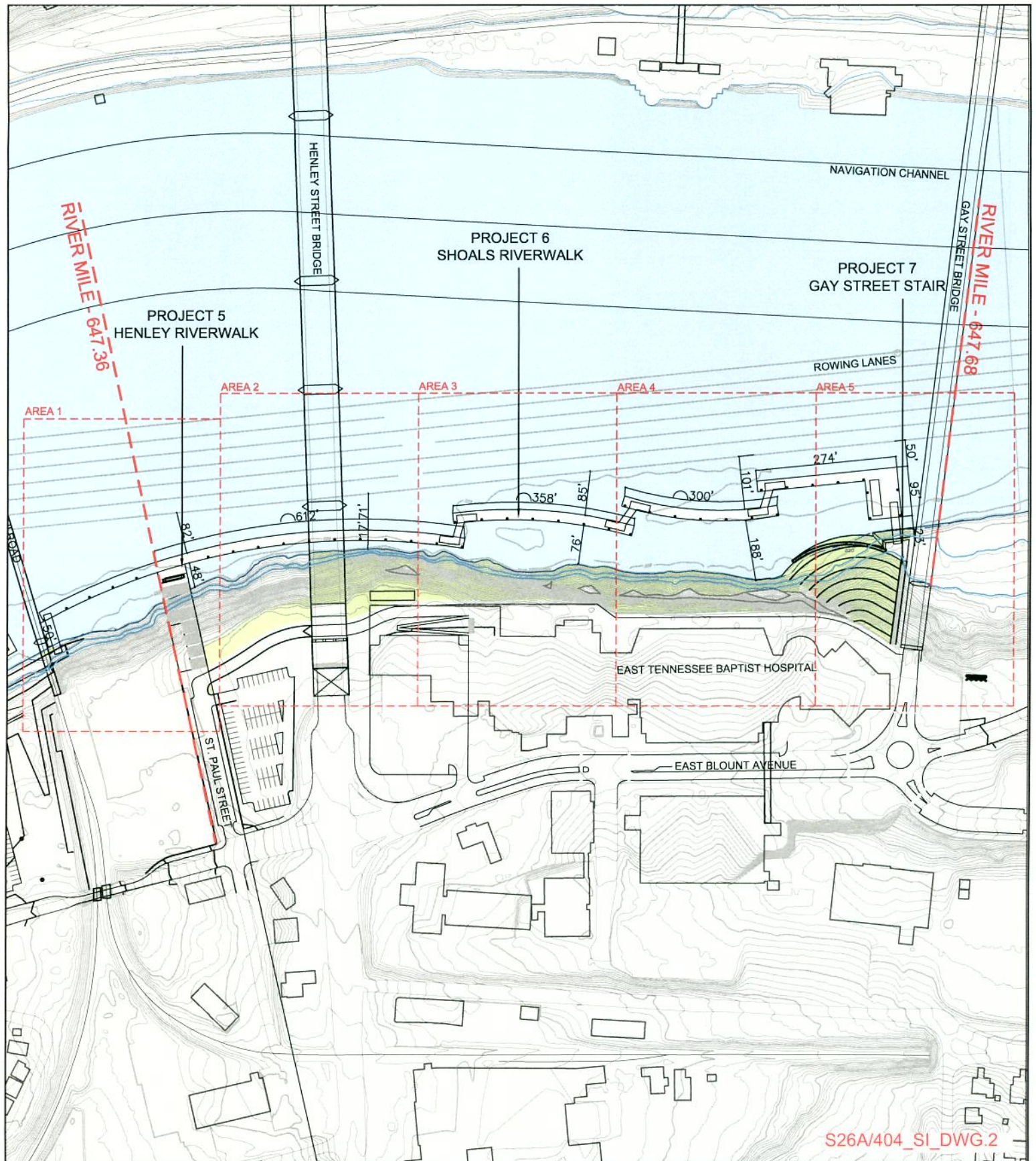
APPLICATION BY: CITY OF KNOXVILLE

PURPOSE: REDEVELOPMENT OF FORT LOUDON LAKE SOUTH WATERFRONT

PROJECT ILLUSTRATIVE PLAN



SCALE: N.T.S.
SHEET 6 OF 53
DATE: 05/02/08



S26A/404_SI_DWG.2

KNOXVILLE SOUTH WATERFRONT PUBLIC IMPROVEMENTS

TVA SECTION 26A/ USACE SECTION 404 JOINT PERMIT APPLICATION

APPLICATION BY: CITY OF KNOXVILLE

PURPOSE: REDEVELOPMENT OF FORT LOUDON LAKE SOUTH WATERFRONT

KEY PLAN - LOWER SECTION AREAS 1 to 5

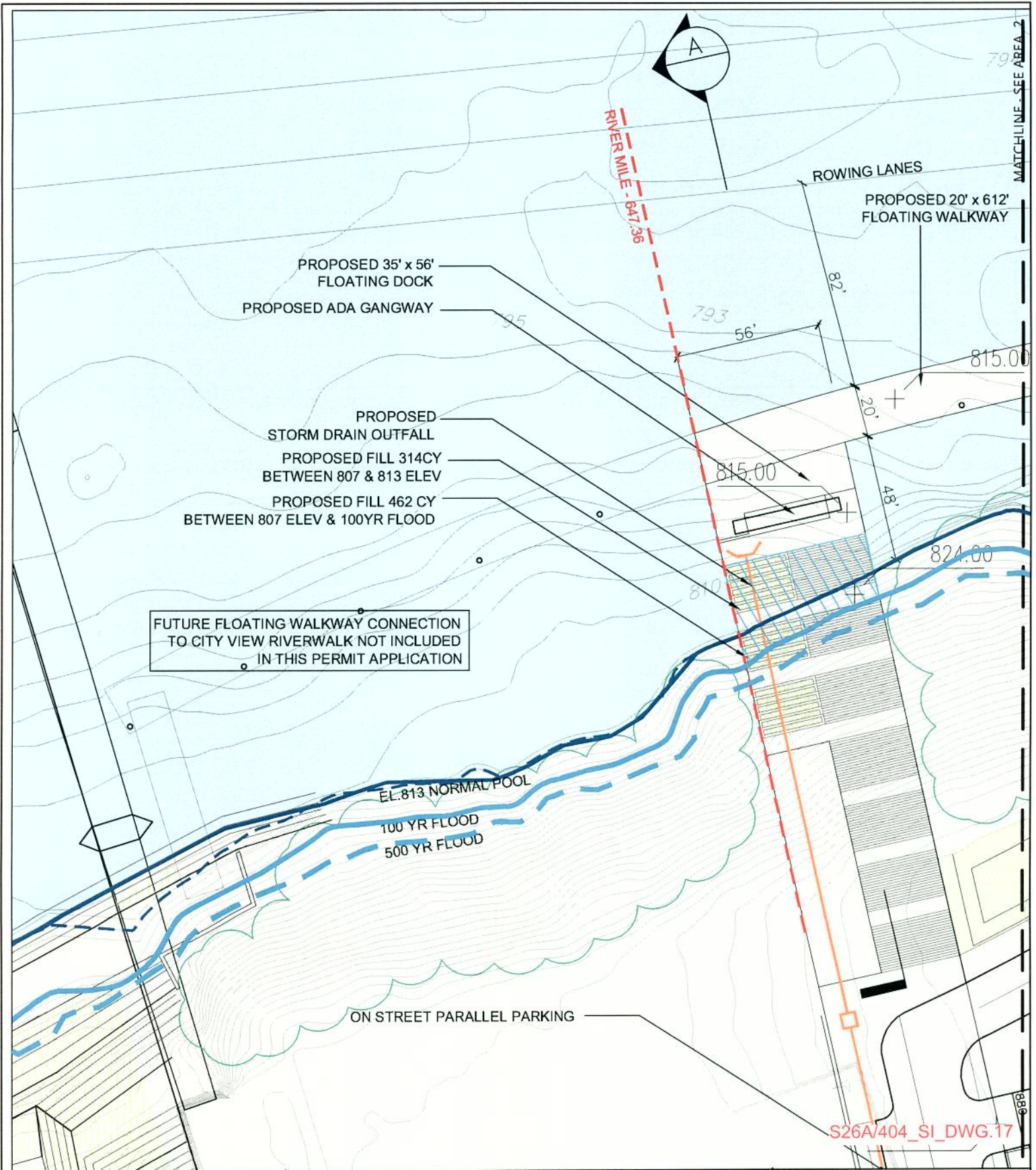
**Project 5-Henley Riverwalk
Project 6-Shoals Riverwalk
Project 7-Gay Street Stair**

SCALE: 1"=250'

SHEET 17 OF 53

REVISED 11/17/08





LEGEND

- — EXISTING NORMAL POOL
- — — PROPOSED NORMAL POOL
- — — — 100 & 500 YR. FLOOD
- PROPOSED CUT AREA
- PROPOSED FILL AREA

KNOXVILLE SOUTH WATERFRONT PUBLIC IMPROVEMENTS

TVA SECTION 26A/ USACE SECTION 404 JOINT PERMIT APPLICATION

APPLICATION BY: CITY OF KNOXVILLE

PURPOSE: REDEVELOPMENT OF FORT LOUDON LAKE SOUTH WATERFRONT

SITE PLAN AREA 1

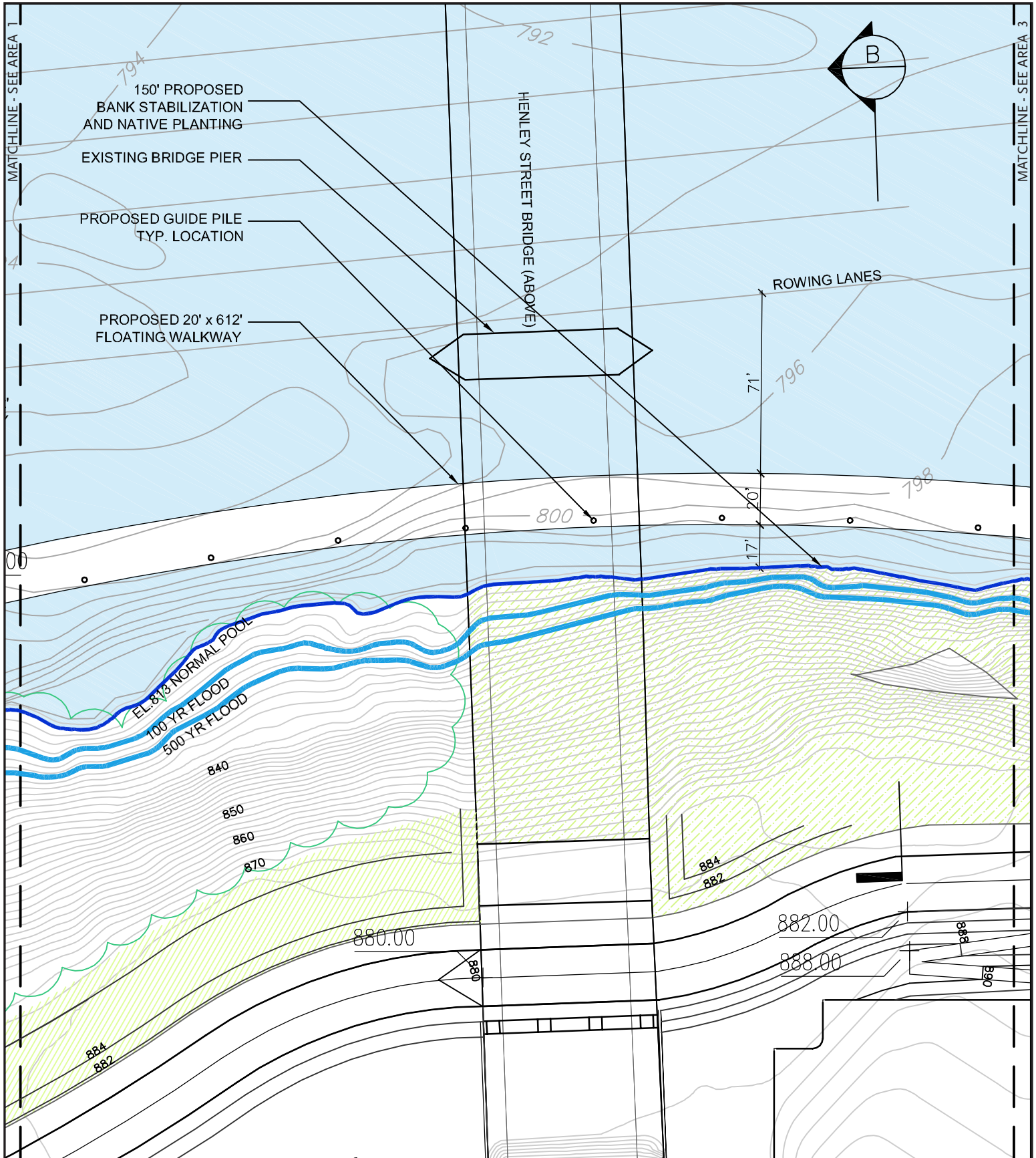
DATUM: NAVD 88
SCALE: 1"=50'



0 25 50FT

SHEET 18 OF 53

REVISED 12/22/08



LEGEND

- EXISTING NORMAL POOL
- PROPOSED NORMAL POOL
- 100 & 500 YR. FLOOD
- ▨ PROPOSED CUT AREA
- ▨ PROPOSED FILL AREA

KNOXVILLE SOUTH WATERFRONT PUBLIC IMPROVEMENTS

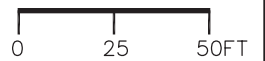
TVA SECTION 26A/ USACE SECTION 404 JOINT PERMIT APPLICATION

APPLICATION BY: CITY OF KNOXVILLE

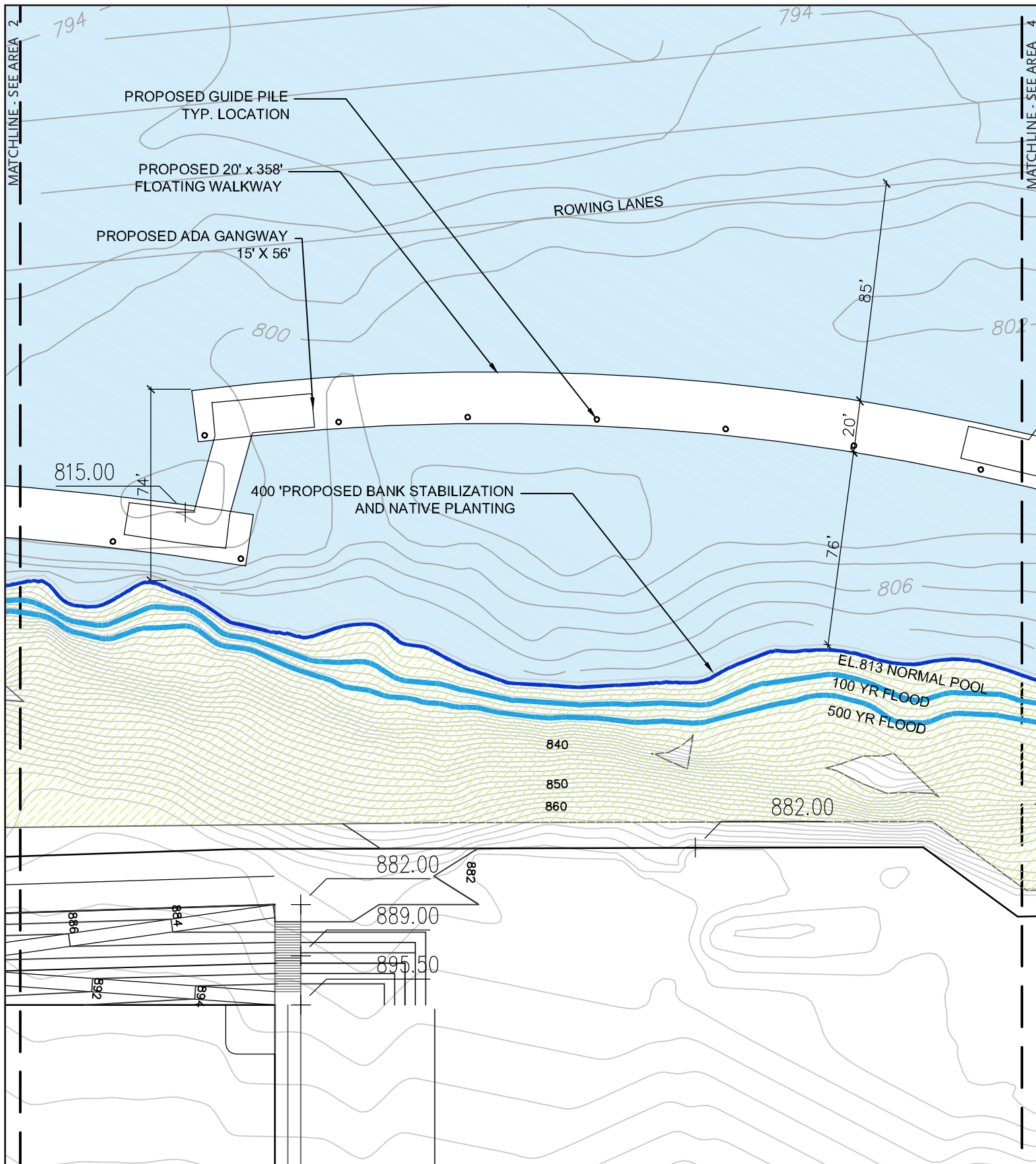
PURPOSE: REDEVELOPMENT OF FORT LOUDON LAKE SOUTH WATERFRONT

SITE PLAN AREA 2

DATUM: NAVD 88
SCALE: 1"=50'



SHEET 19 OF 53
DATE: 05/02/08



LEGEND

- EXISTING NORMAL POOL
- PROPOSED NORMAL POOL
- 100 & 500 YR. FLOOD
- ▨ PROPOSED CUT AREA
- ▨ PROPOSED FILL AREA

KNOXVILLE SOUTH WATERFRONT PUBLIC IMPROVEMENTS

TVA SECTION 26A/ USACE SECTION 404 JOINT PERMIT APPLICATION

APPLICATION BY: CITY OF KNOXVILLE

PURPOSE: REDEVELOPMENT OF FORT LOUDON LAKE SOUTH WATERFRONT

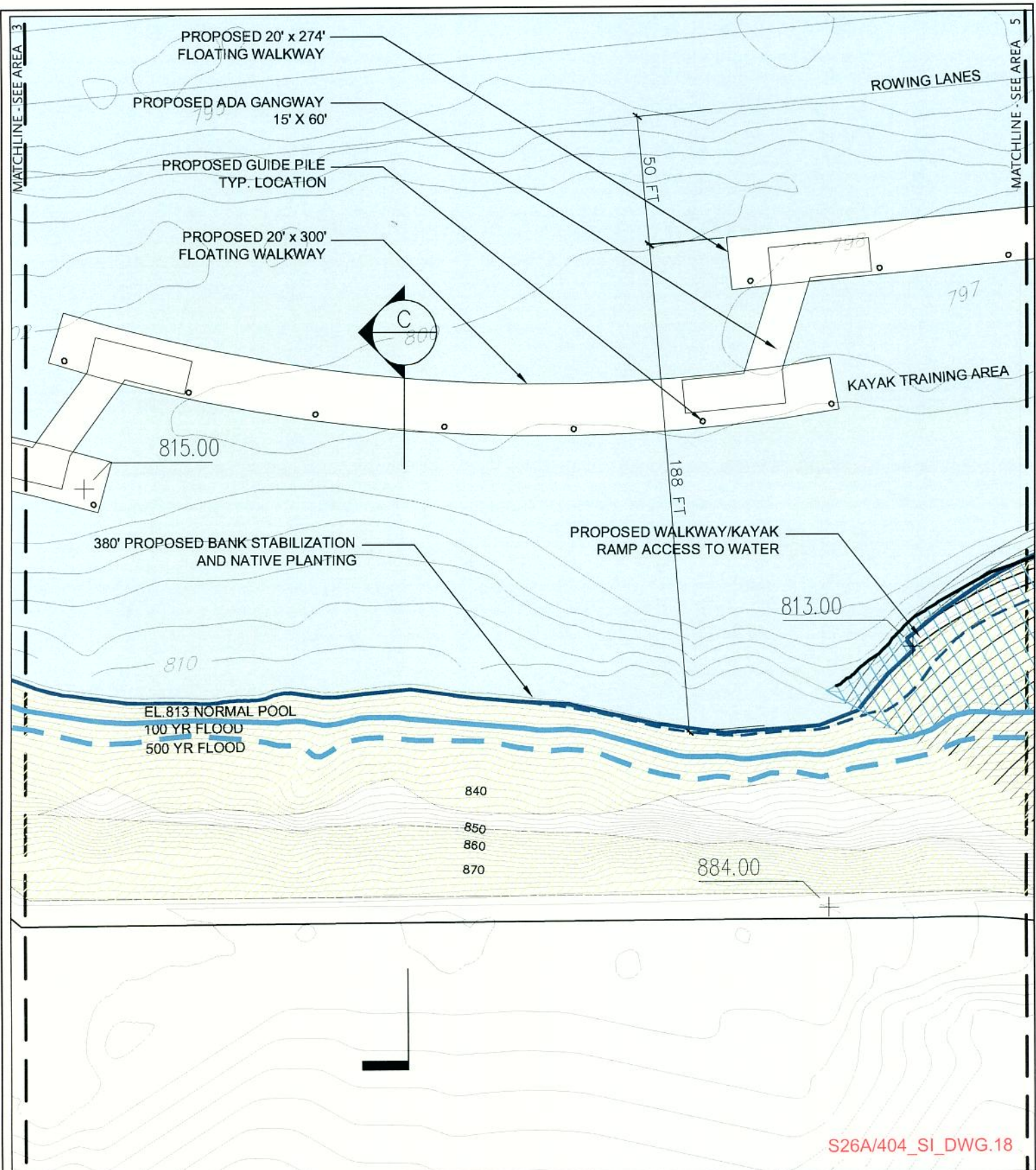
SITE PLAN AREA 3

DATUM: NAVD 88
SCALE: 1"=50'



0 25 50 FT

SHEET 20 OF 53
DATE: 05/02/08



S26A/404_SI_DWG.18

LEGEND

- EXISTING NORMAL POOL
- PROPOSED NORMAL POOL
- 100 & 500 YR. FLOOD
- ▨ PROPOSED CUT AREA
- ▨ PROPOSED FILL AREA

KNOXVILLE SOUTH WATERFRONT PUBLIC IMPROVEMENTS

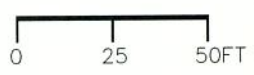
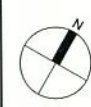
TVA SECTION 26A/ USACE SECTION 404 JOINT PERMIT APPLICATION

APPLICATION BY: CITY OF KNOXVILLE

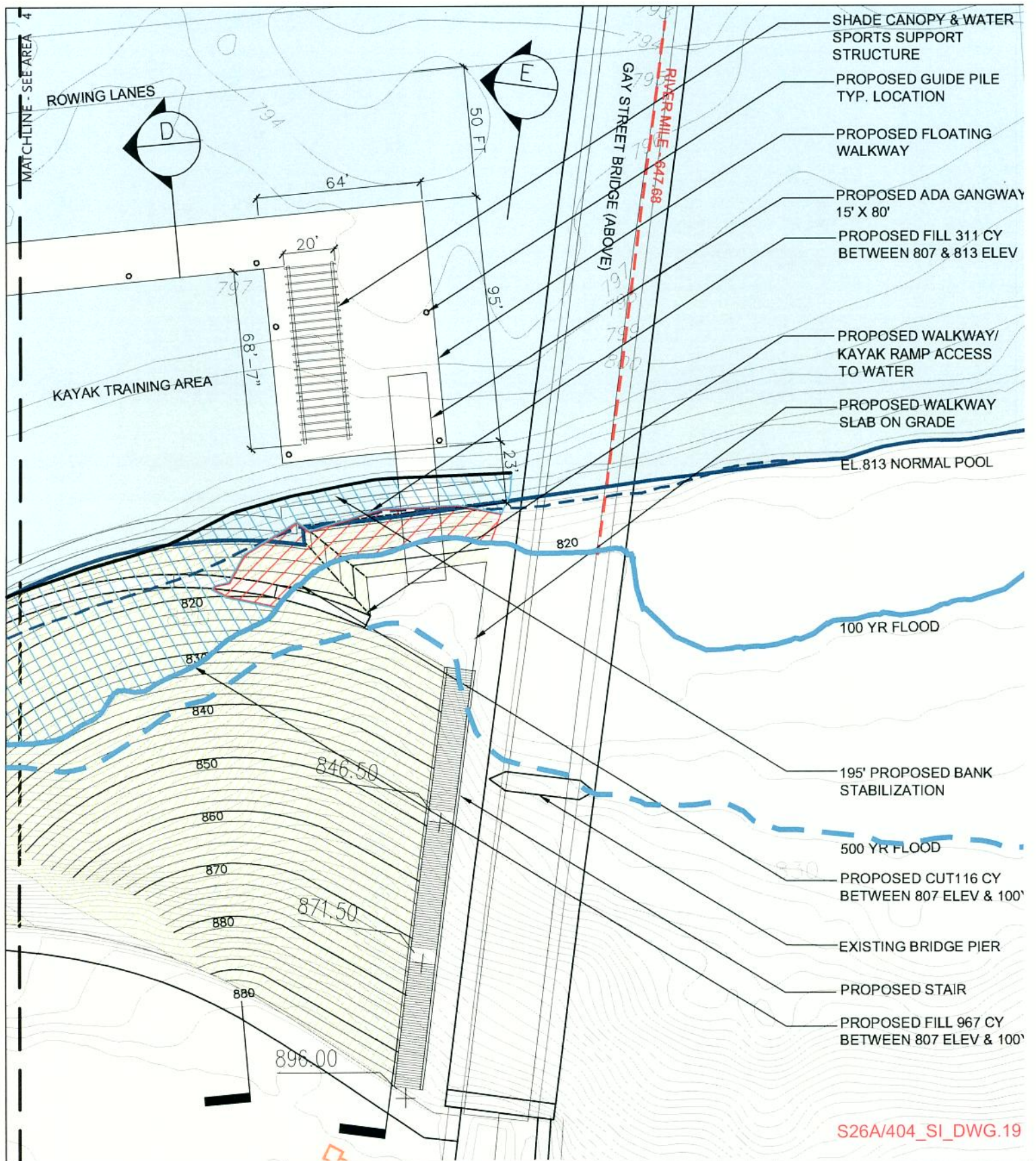
PURPOSE: REDEVELOPMENT OF FORT LOUDON LAKE SOUTH WATERFRONT

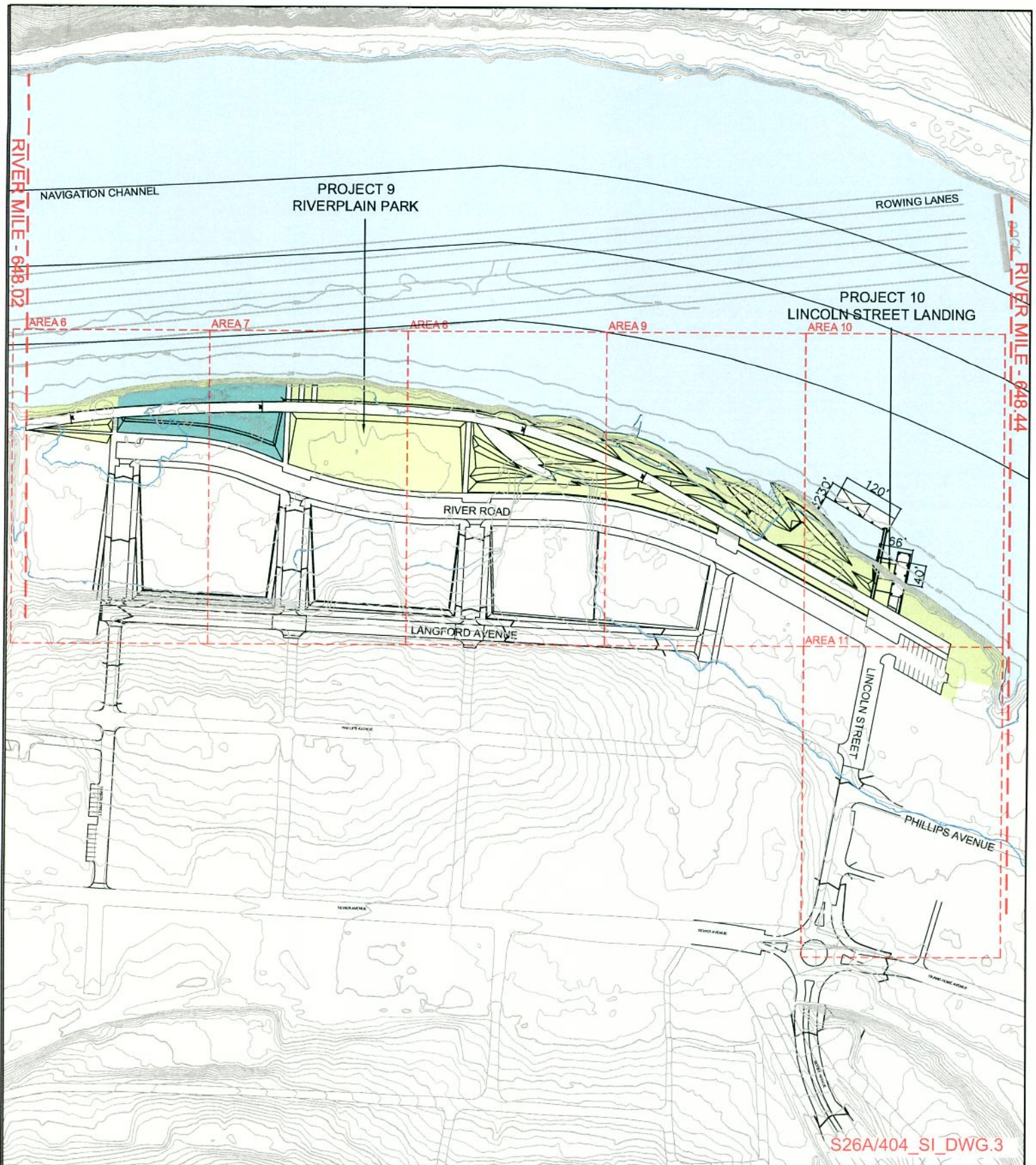
SITE PLAN AREA 4

DATUM: NAVD 88
SCALE: 1"=50'



SHEET 21 OF 53
REVISED 12/22/08





S26A/404_SI_DWG.3

KNOXVILLE SOUTH WATERFRONT PUBLIC IMPROVEMENTS

TVA SECTION 26A/ USACE SECTION 404 JOINT PERMIT APPLICATION

APPLICATION BY: CITY OF KNOXVILLE

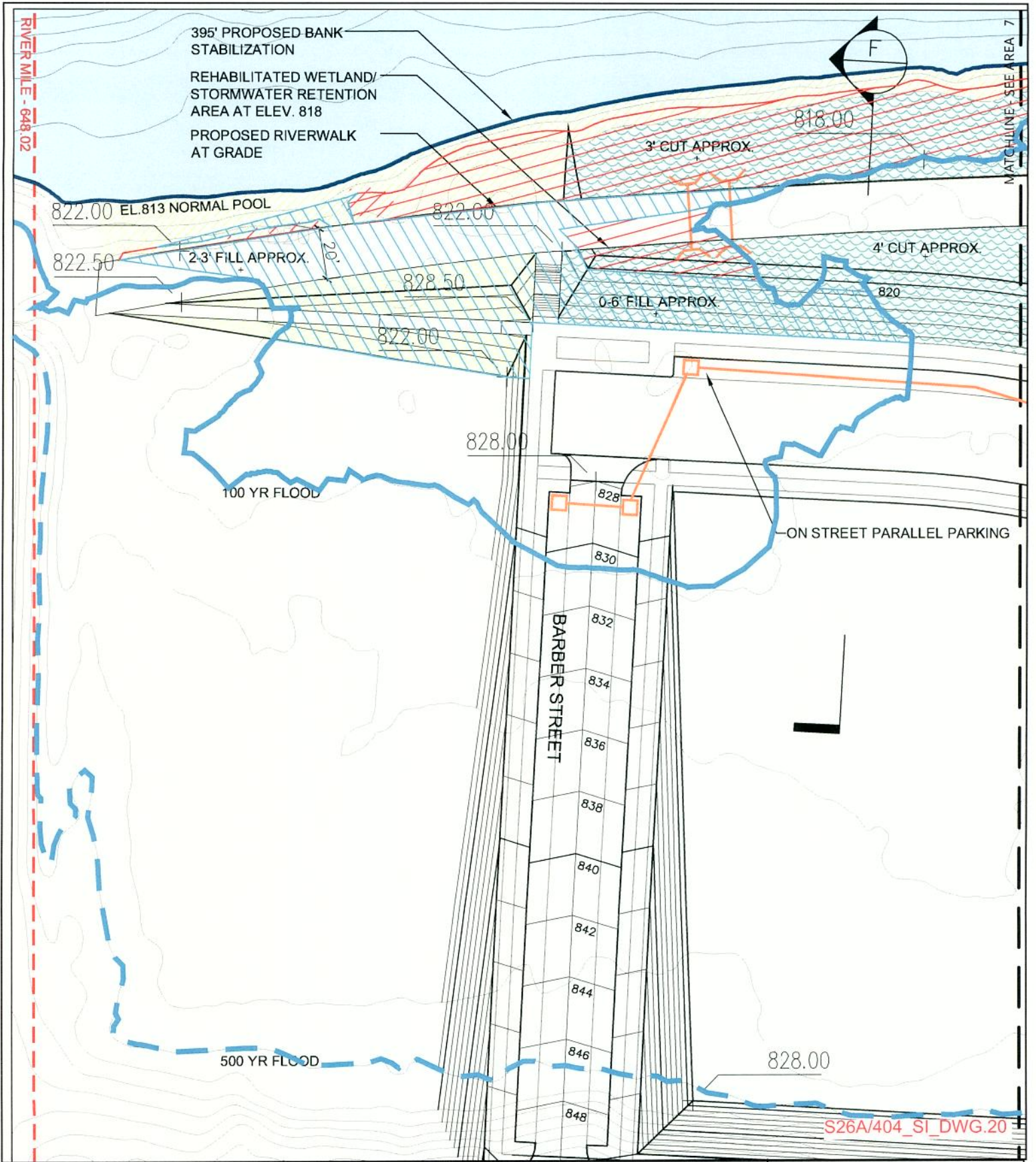
PURPOSE: REDEVELOPMENT OF FORT LOUDON LAKE SOUTH WATERFRONT

KEY PLAN - MIDDLE SECTION AREAS 6 to 11

**Project 9-River Plain Park
Project 10-Lincoln Street Landing**



SCALE: 1"=250'
SHEET 23 OF 53
REVISED 11/17/08



LEGEND

- EXISTING NORMAL POOL
- PROPOSED NORMAL POOL
- 100 & 500 YR. FLOOD
- ▨ PROPOSED CUT AREA
- ▨ PROPOSED FILL AREA

KNOXVILLE SOUTH WATERFRONT PUBLIC IMPROVEMENTS

TVA SECTION 26A/ USACE SECTION 404 JOINT PERMIT APPLICATION

APPLICATION BY: CITY OF KNOXVILLE

PURPOSE: REDEVELOPMENT OF FORT LOUDON LAKE SOUTH WATERFRONT

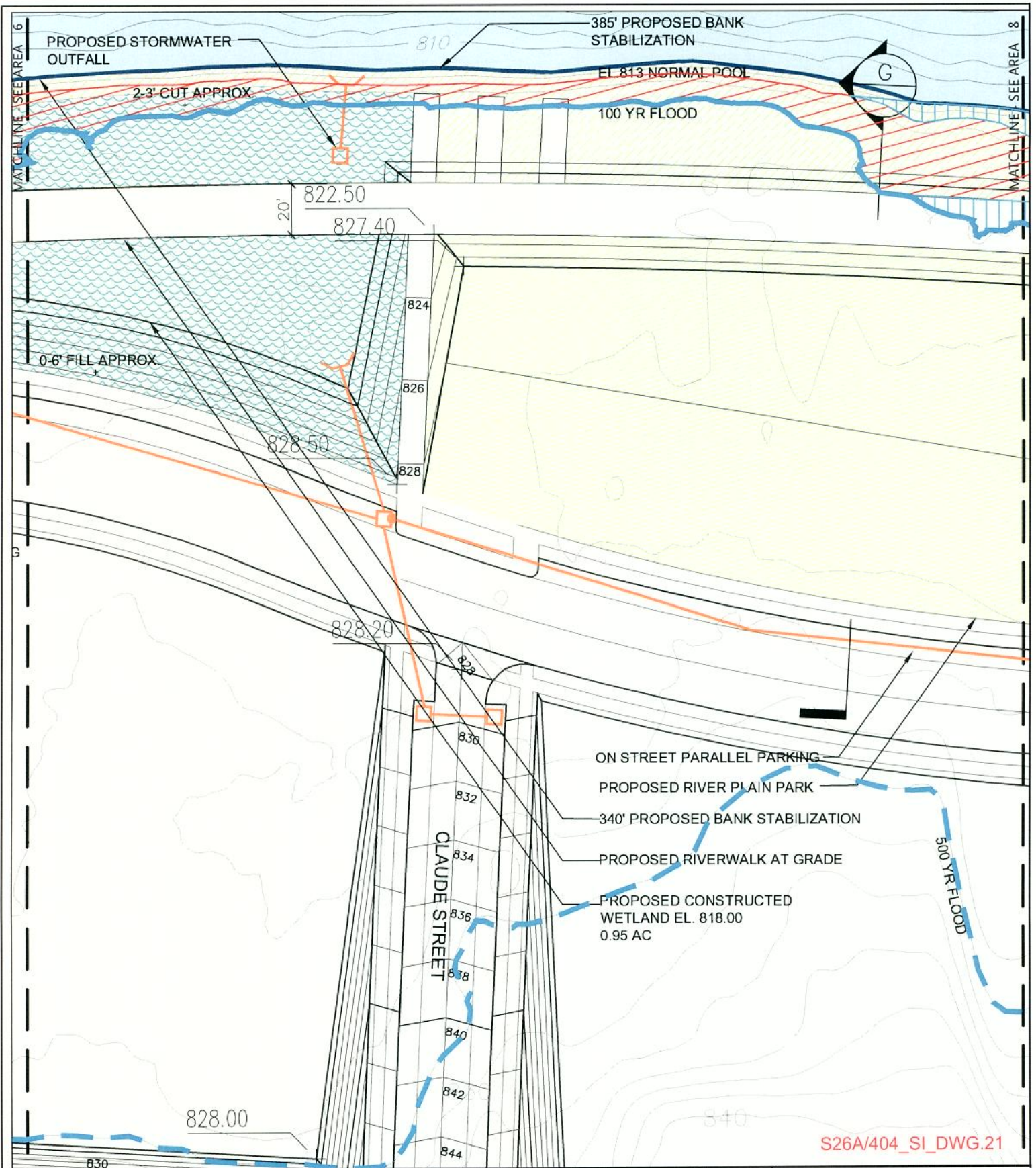
SITE PLAN AREA 6

DATUM: NAVD 88
SCALE: 1"=50'



0 25 50 FT

SHEET 24 OF 53
REVISED 12/22/08



LEGEND

- EXISTING NORMAL POOL
- PROPOSED NORMAL POOL
- 100 & 500 YR. FLOOD
- ▨ PROPOSED CUT AREA
- ▨ PROPOSED FILL AREA

KNOXVILLE SOUTH WATERFRONT PUBLIC IMPROVEMENTS

TVA SECTION 26A/ USACE SECTION 404 JOINT PERMIT APPLICATION

APPLICATION BY: CITY OF KNOXVILLE

PURPOSE: REDEVELOPMENT OF FORT LOUDON LAKE SOUTH WATERFRONT

SITE PLAN AREA 7

DATUM: NAVD 88
SCALE: 1"=50'

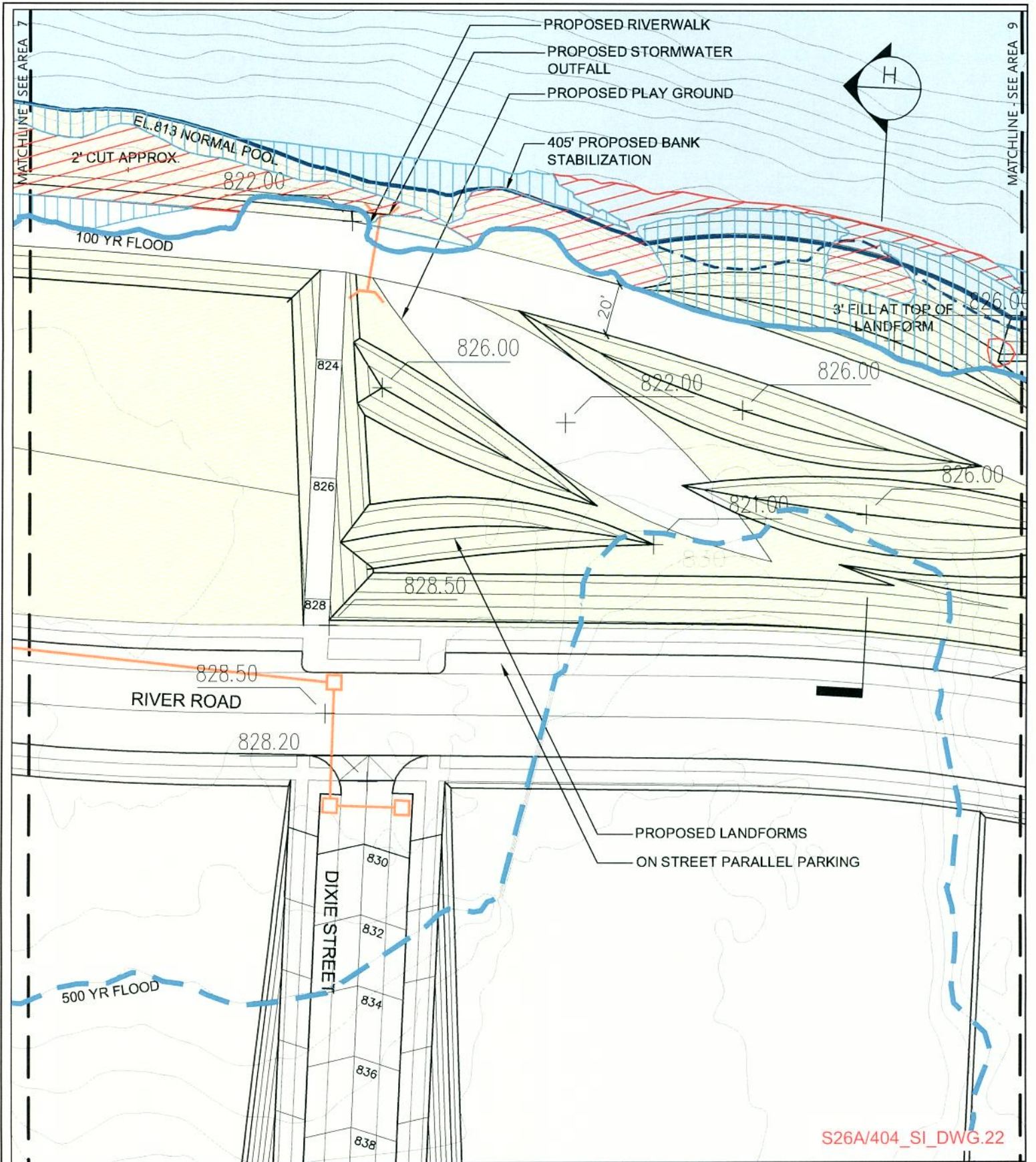


0 25 50 FT

SHEET 25 OF 53

REVISED 12/22/08

S26A/404_SI_DWG.21



LEGEND

- EXISTING NORMAL POOL
- PROPOSED NORMAL POOL
- 100 & 500 YR. FLOOD
- PROPOSED CUT AREA
- PROPOSED FILL AREA

KNOXVILLE SOUTH WATERFRONT PUBLIC IMPROVEMENTS

TVA SECTION 26A/ USACE SECTION 404 JOINT PERMIT APPLICATION

APPLICATION BY: CITY OF KNOXVILLE

PURPOSE: REDEVELOPMENT OF FORT LOUDON LAKE SOUTH WATERFRONT

SITE PLAN AREA 8

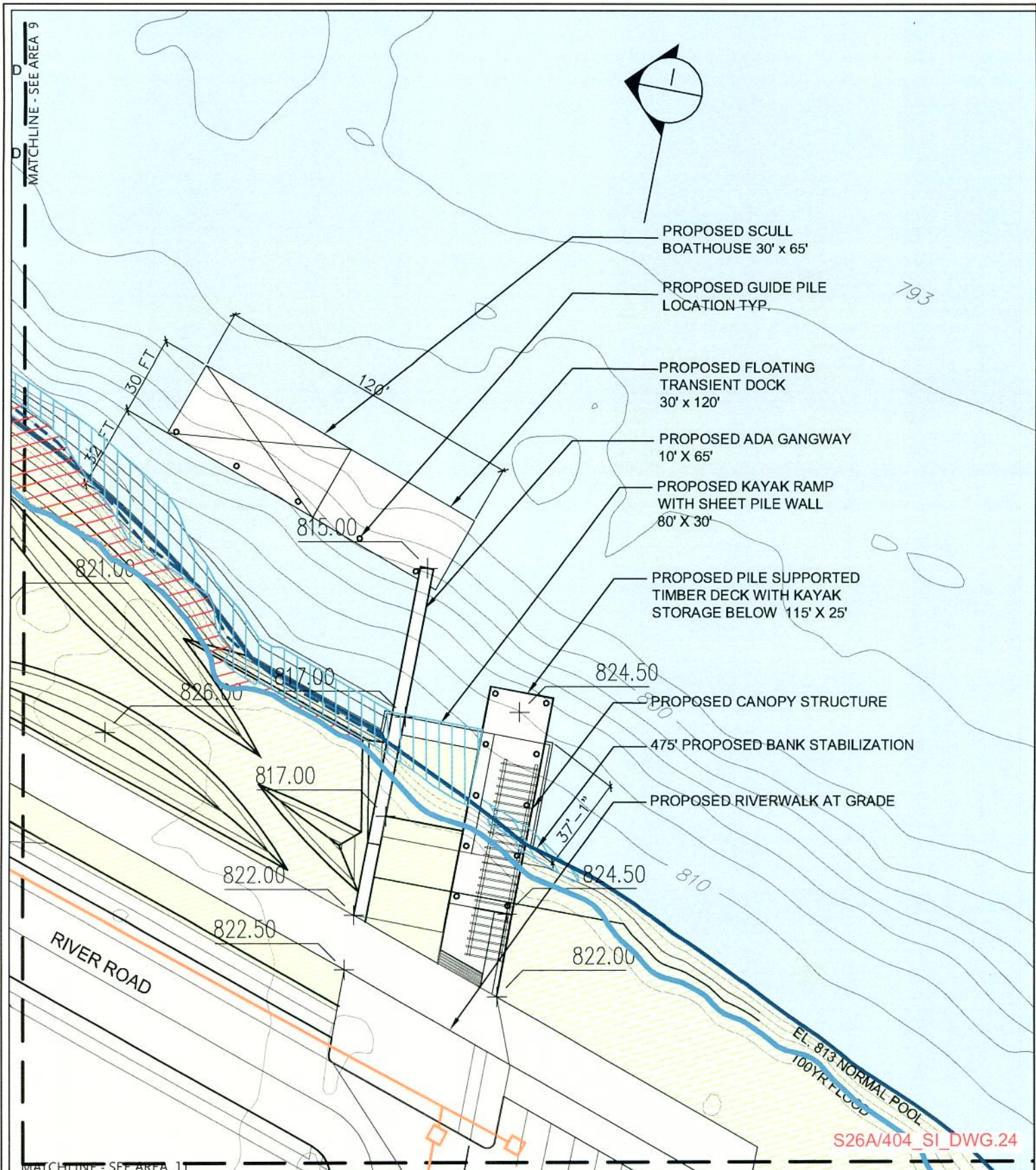
DATUM: NAVD 88
SCALE: 1"=50'



0 25 50 FT

SHEET 26 OF 53

REVISED 12/22/08



LEGEND

- EXISTING NORMAL POOL
- PROPOSED NORMAL POOL
- 100 & 500 YR. FLOOD
- ▨ PROPOSED CUT AREA
- ▨ PROPOSED FILL AREA

KNOXVILLE SOUTH WATERFRONT PUBLIC IMPROVEMENTS

TVA SECTION 26A/ USACE SECTION 404 JOINT PERMIT APPLICATION

APPLICATION BY: CITY OF KNOXVILLE

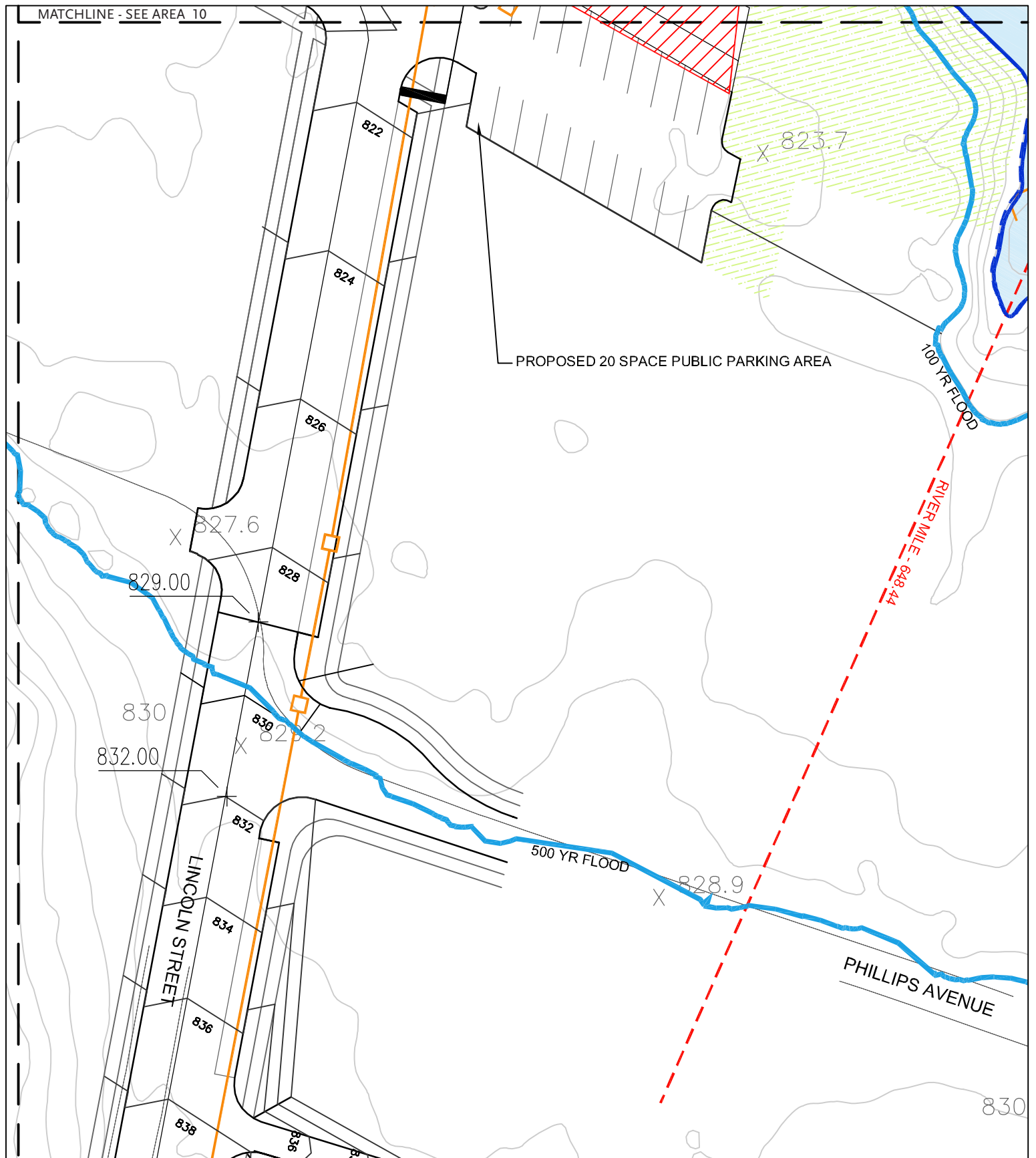
PURPOSE: REDEVELOPMENT OF FORT LOUDON LAKE SOUTH WATERFRONT

SITE PLAN AREA 10

DATUM: NAVD 88
SCALE: 1"=50'



SHEET 28 OF 53
REVISED 12/22/08



LEGEND

- EXISTING NORMAL POOL
- PROPOSED NORMAL POOL
- 100 & 500 YR. FLOOD
- PROPOSED CUT AREA
- PROPOSED FILL AREA

KNOXVILLE SOUTH WATERFRONT PUBLIC IMPROVEMENTS

TVA SECTION 26A/ USACE SECTION 404 JOINT PERMIT APPLICATION

APPLICATION BY: CITY OF KNOXVILLE

PURPOSE: REDEVELOPMENT OF FORT LOUDON LAKE SOUTH WATERFRONT

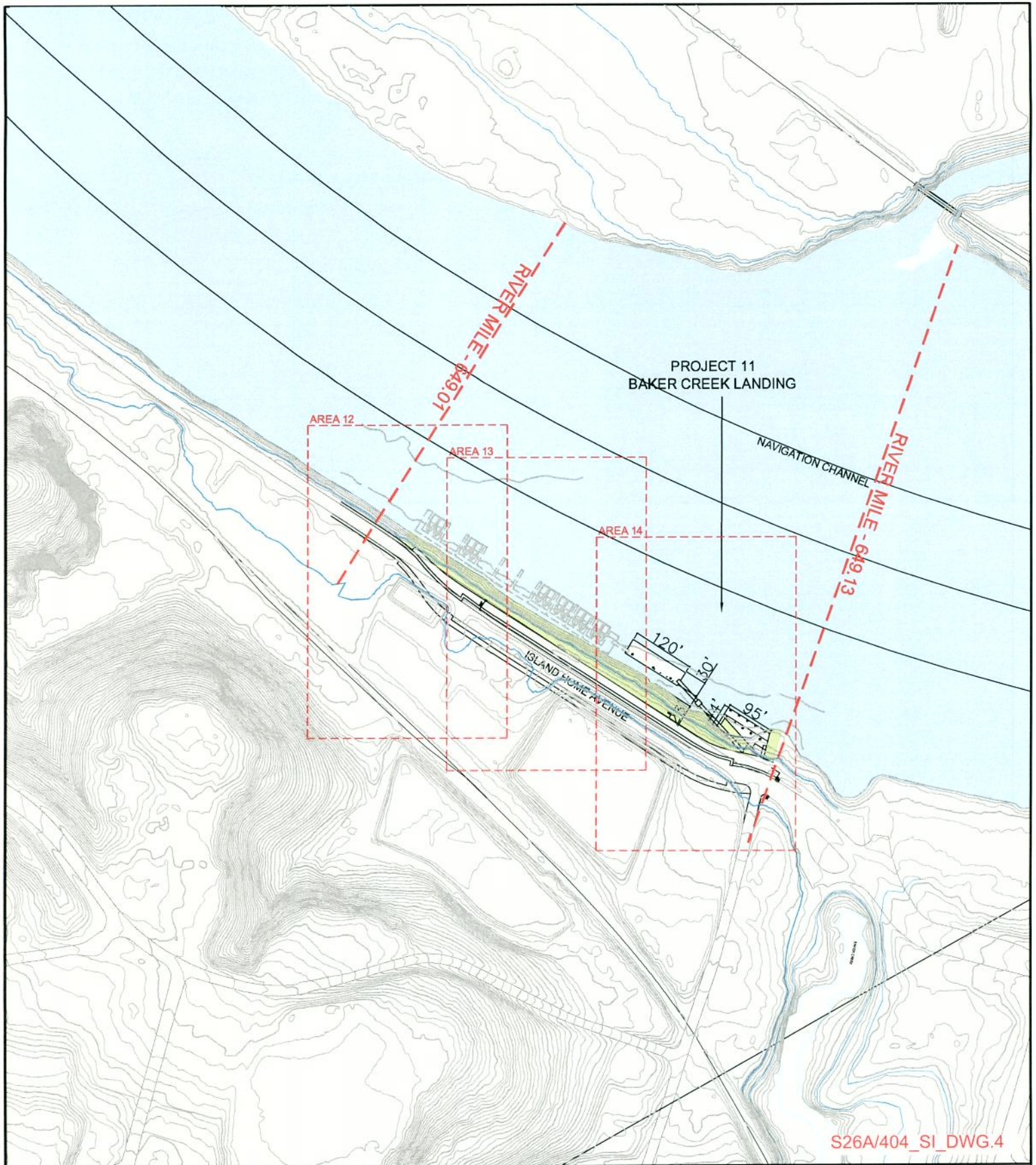
SITE PLAN AREA 11

DATUM: NAVD 88
SCALE: 1"=50'



0 25 50FT

SHEET 29 OF 53
DATE: 05/02/08



KNOXVILLE SOUTH WATERFRONT PUBLIC IMPROVEMENTS

TVA SECTION 26A/ USACE SECTION 404 JOINT PERMIT APPLICATION

APPLICATION BY: CITY OF KNOXVILLE

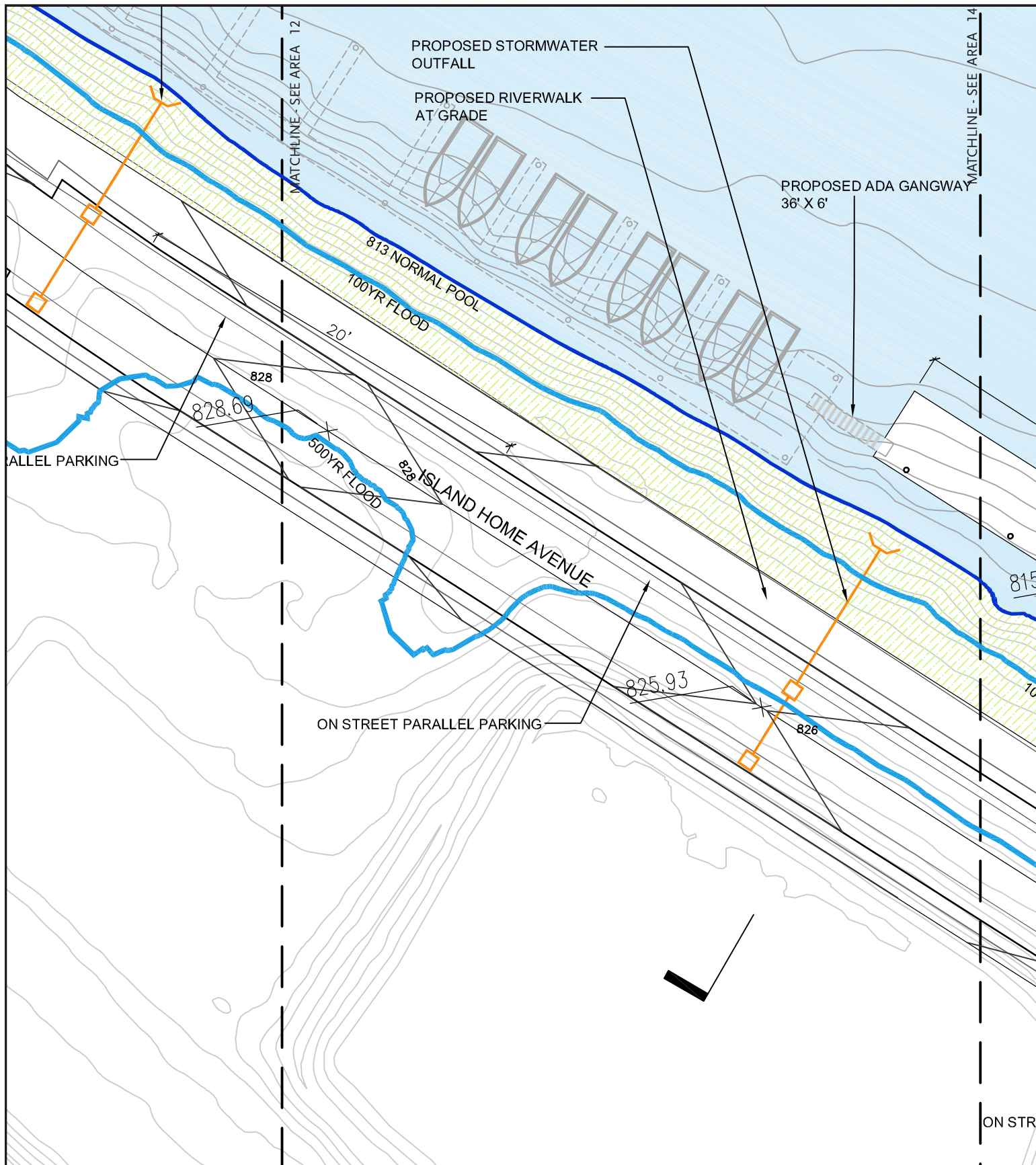
PURPOSE: REDEVELOPMENT OF FORT LOUDON LAKE SOUTH WATERFRONT

KEY PLAN - UPPER SECTION AREAS 12 to 14

Project 11-Baker Creek Landing



SCALE: 1"=250'
SHEET 30 OF 53
REVISED 11/17/08



LEGEND

- EXISTING NORMAL POOL
- PROPOSED NORMAL POOL
- 100 & 500 YR. FLOOD
- ▨ PROPOSED CUT AREA
- ▨ PROPOSED FILL AREA

KNOXVILLE SOUTH WATERFRONT PUBLIC IMPROVEMENTS

TVA SECTION 26A/ USACE SECTION 404 JOINT PERMIT APPLICATION

APPLICATION BY: CITY OF KNOXVILLE

PURPOSE: REDEVELOPMENT OF FORT LOUDON LAKE SOUTH WATERFRONT

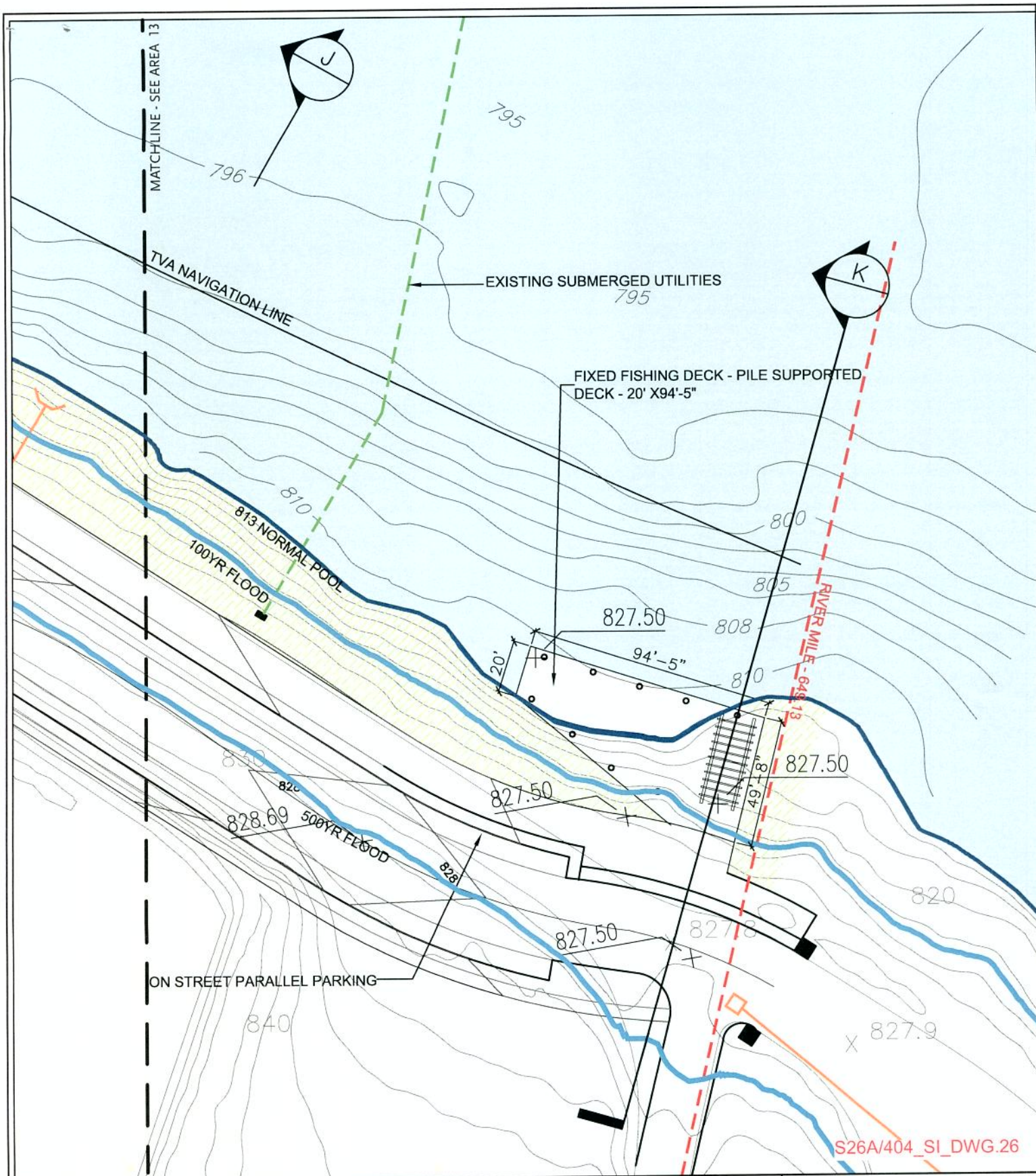
SITE PLAN AREA 13

DATUM: NAVD 88
SCALE: 1"=50'



0 25 50 FT

SHEET 32 OF 53
DATE: 05/02/08



LEGEND

- EXISTING NORMAL POOL
- PROPOSED NORMAL POOL
- 100 & 500 YR. FLOOD
- ▨ PROPOSED CUT AREA
- ▨ PROPOSED FILL AREA

KNOXVILLE SOUTH WATERFRONT PUBLIC IMPROVEMENTS

TVA SECTION 26A/ USACE SECTION 404 JOINT PERMIT APPLICATION

APPLICATION BY: CITY OF KNOXVILLE

PURPOSE: REDEVELOPMENT OF FORT LOUDON LAKE SOUTH WATERFRONT

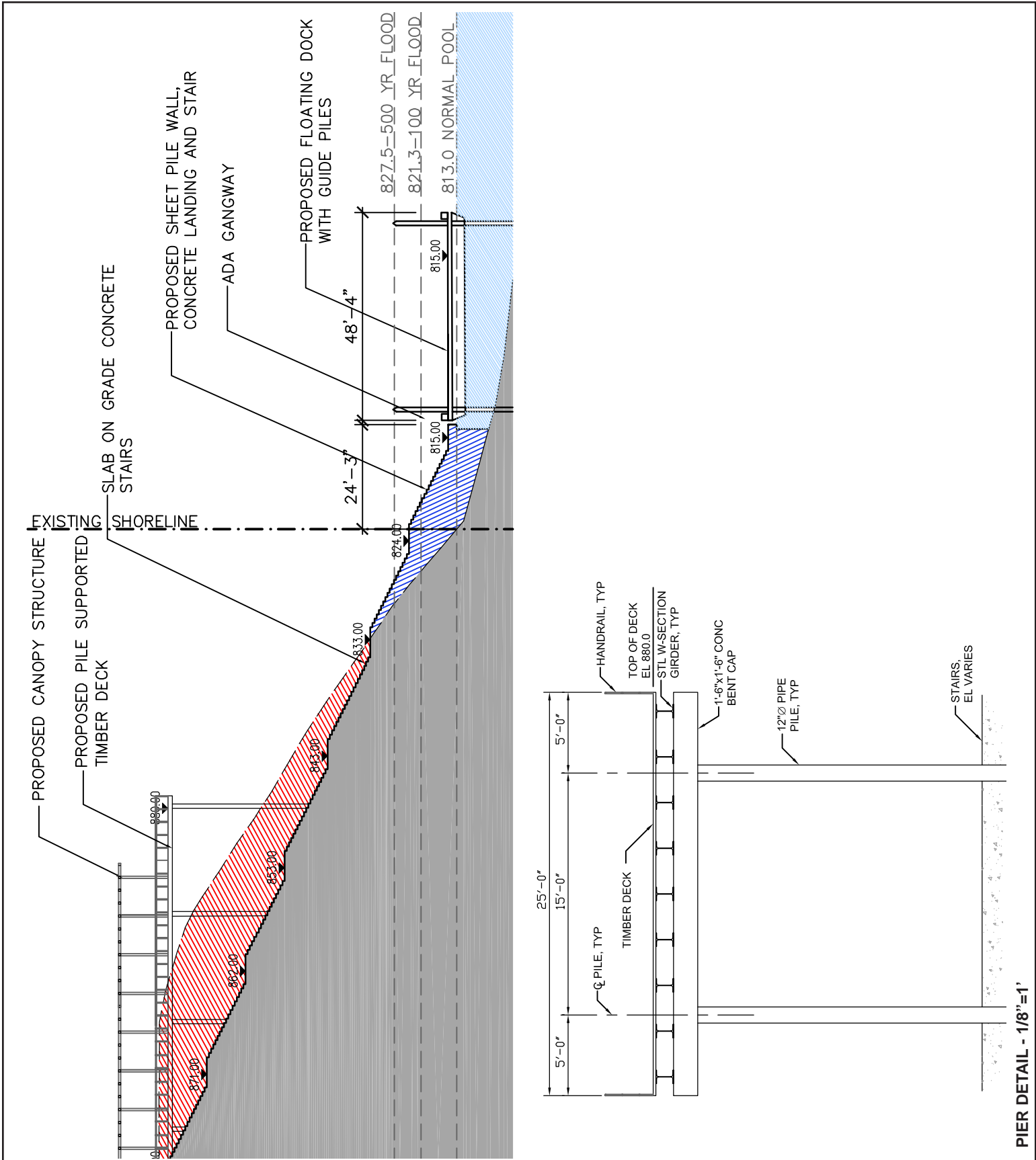
SITE PLAN AREA 14




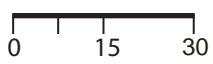
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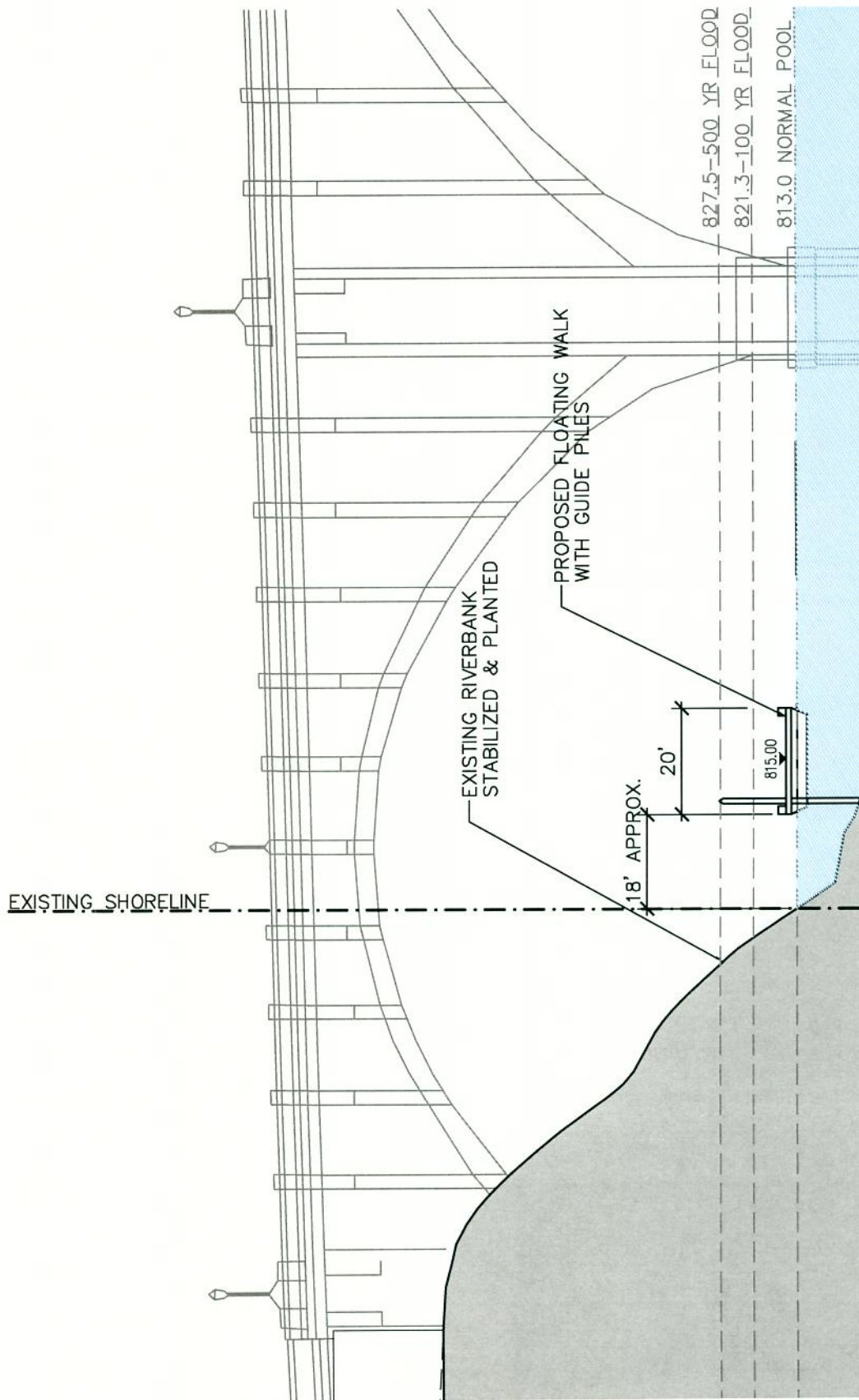


0 25 50FT

SHEET 33 OF 53
REVISED 01/29/09



<p>LEGEND</p> <p> PROPOSED CUT AREA</p> <p> PROPOSED FILL AREA</p>	<p>KNOXVILLE SOUTH WATERFRONT PUBLIC IMPROVEMENTS</p> <p>TVA SECTION 26A/ USACE SECTION 404 JOINT PERMIT APPLICATION</p> <p>APPLICATION BY: CITY OF KNOXVILLE</p> <p>PURPOSE: REDEVELOPMENT OF FORT LOUDON LAKE SOUTH WATERFRONT</p>	<p>SECTION A</p> <p>DATUM: NAVD 88</p> <p>SCALE: 1"=30'</p> <p></p> <p></p> <p>SHEET 34 OF 53</p> <p>DATE: 05/02/08</p>
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S26A/404_SI_DWG.5

LEGEND

- PROPOSED CUT AREA
- PROPOSED FILL AREA

KNOXVILLE SOUTH WATERFRONT PUBLIC IMPROVEMENTS

TVA SECTION 26A/ USACE SECTION 404 JOINT PERMIT APPLICATION

APPLICATION BY: CITY OF KNOXVILLE

PURPOSE: REDEVELOPMENT OF FORT LOUDON LAKE SOUTH WATERFRONT

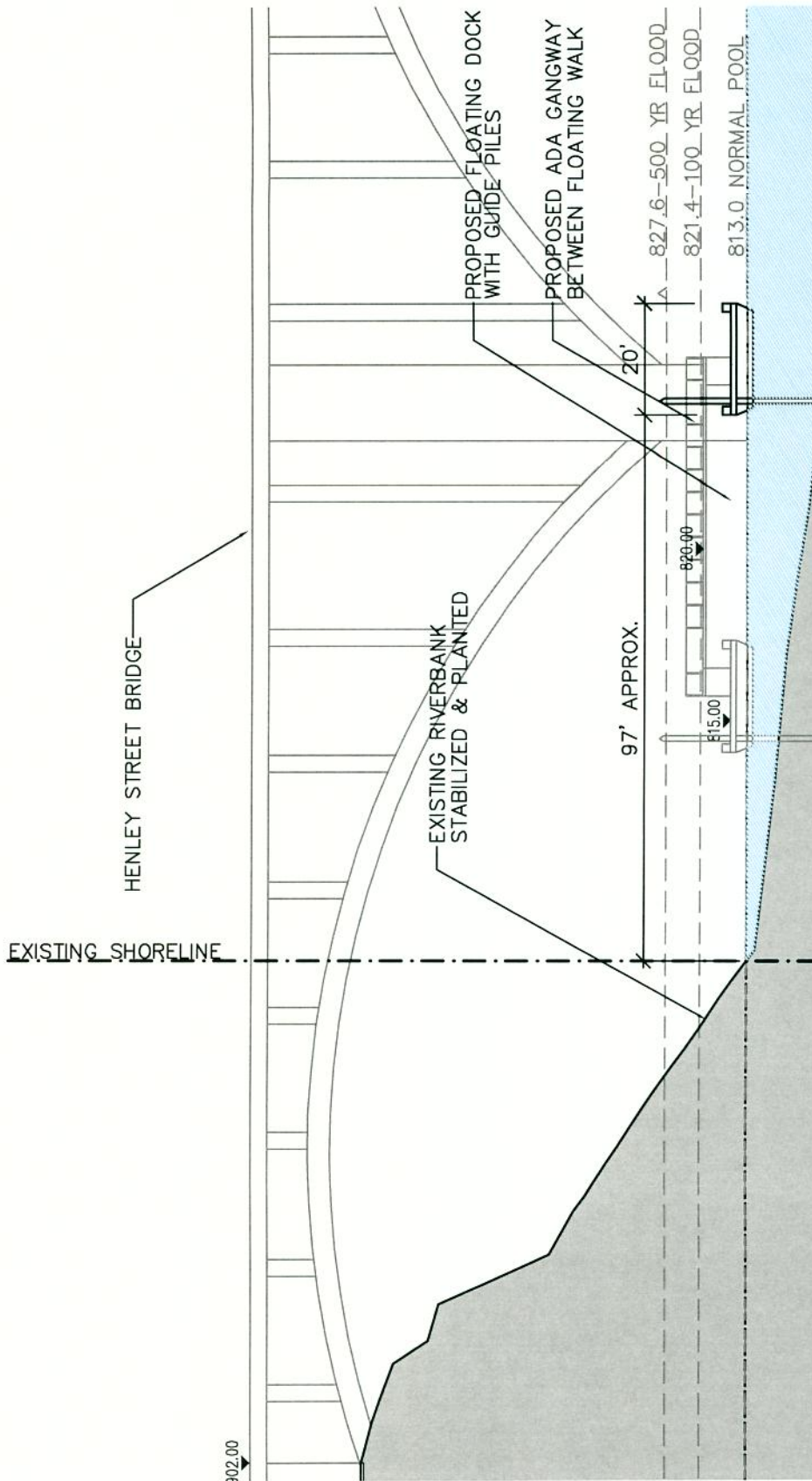
SECTION B

DATUM: NAVD 88
SCALE: 1"=30'



0 15 30

SHEET 35 OF 53
REVISED 11/17/08



S26A/404_SI_DWG.6

LEGEND

- PROPOSED CUT AREA
- PROPOSED FILL AREA

KNOXVILLE SOUTH WATERFRONT PUBLIC IMPROVEMENTS

TVA SECTION 26A/ USACE SECTION 404 JOINT PERMIT APPLICATION

APPLICATION BY: CITY OF KNOXVILLE

PURPOSE: REDEVELOPMENT OF FORT LOUDON LAKE SOUTH WATERFRONT

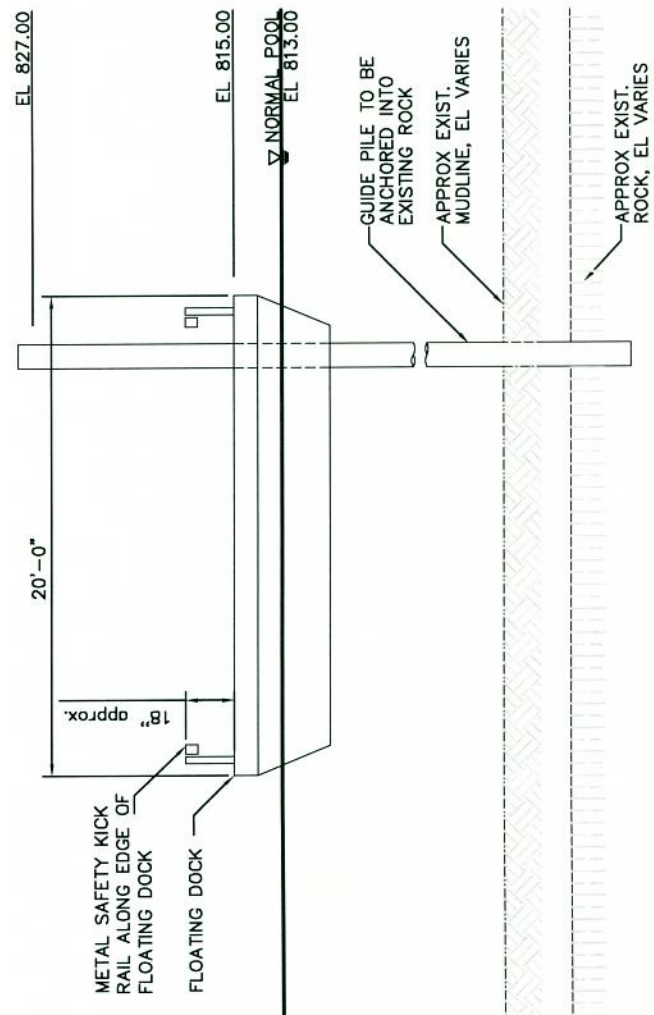
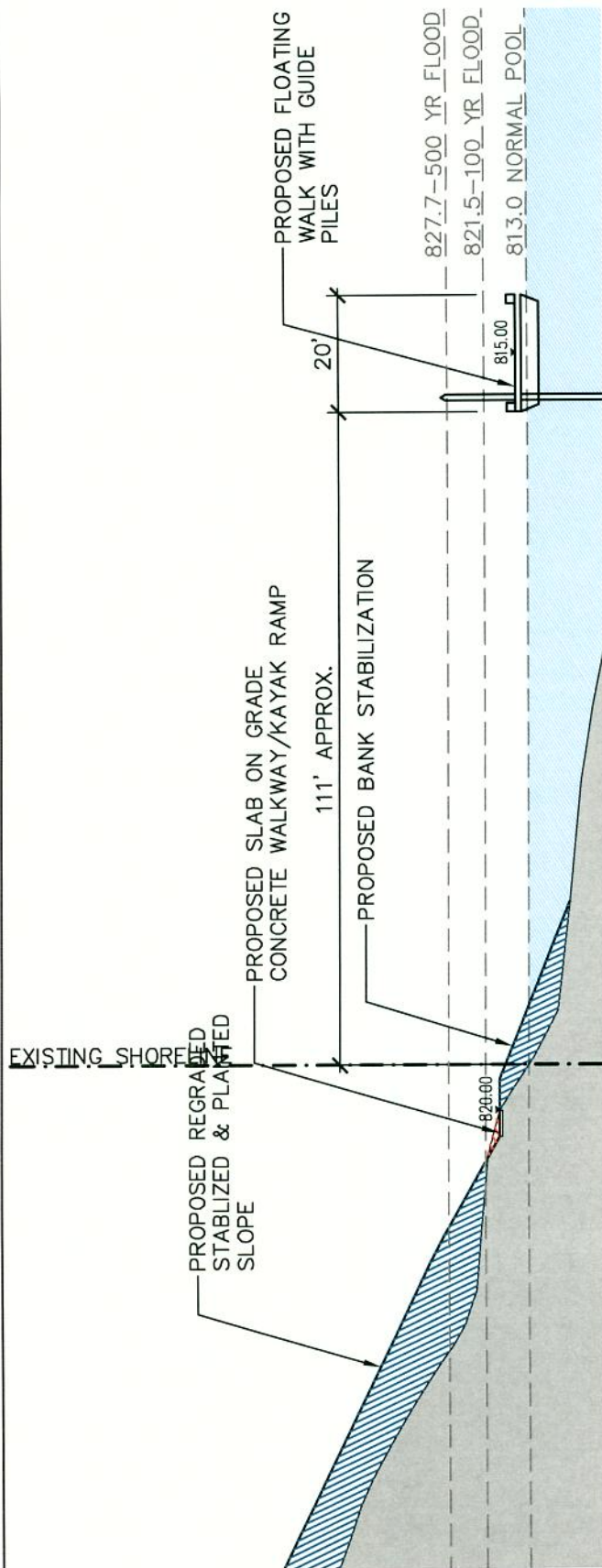
SECTION C

DATUM: NAVD 88
SCALE: 1"=30'



0 15 30



SHEET 36 OF 53
REVISED 11/17/08



FLOATING WALKWAY DETAIL -1/8"=1'

S26A/404_SI_DWG.7

LEGEND

-  PROPOSED CUT AREA
-  PROPOSED FILL AREA

KNOXVILLE SOUTH WATERFRONT PUBLIC IMPROVEMENTS

TVA SECTION 26A/ USACE SECTION 404 JOINT PERMIT APPLICATION

APPLICATION BY: CITY OF KNOXVILLE

PURPOSE: REDEVELOPMENT OF FORT LOUDON LAKE SOUTH WATERFRONT

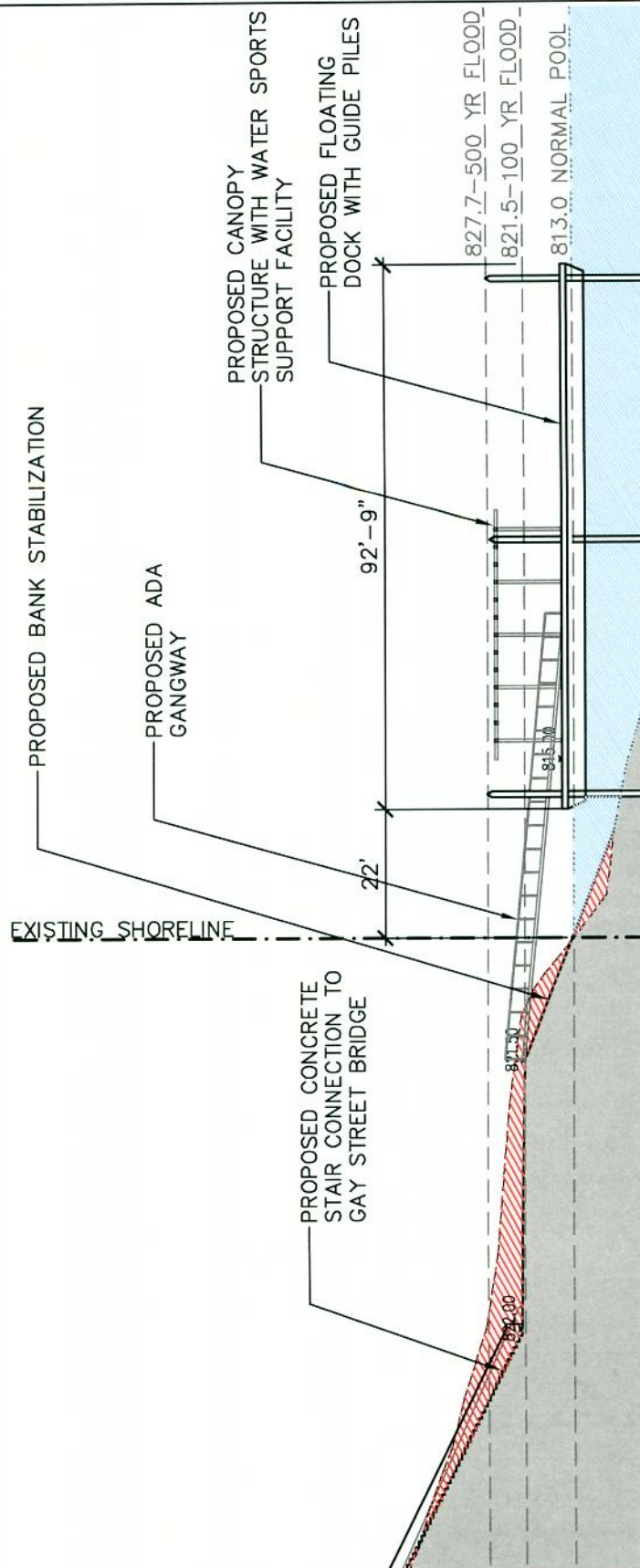
SECTION D

DATUM: NAVD 88
SCALE: 1"=30'



0 15 30

SHEET 37 OF 53
REVISED 11/17/08



S26A/404_SI_DWG.8

LEGEND

- PROPOSED CUT AREA
- PROPOSED FILL AREA

KNOXVILLE SOUTH WATERFRONT PUBLIC IMPROVEMENTS

TVA SECTION 26A/ USACE SECTION 404 JOINT PERMIT APPLICATION

APPLICATION BY: CITY OF KNOXVILLE

PURPOSE: REDEVELOPMENT OF FORT LOUDON LAKE SOUTH WATERFRONT

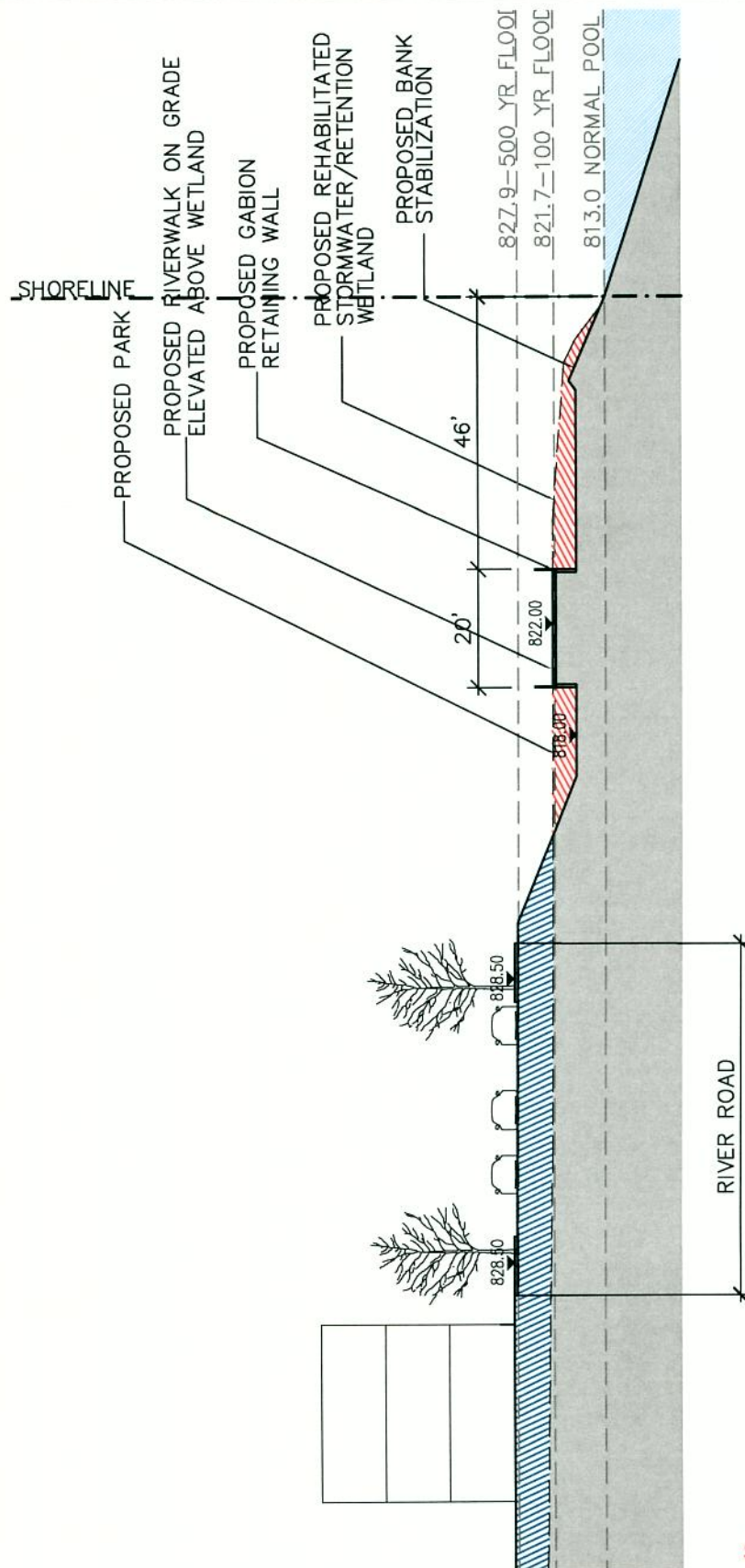
SECTION E

DATUM: NAVD 88
SCALE: 1"=30'



0 15 30

SHEET 38 OF 53
REVISED 11/17/08



S26A/404_SI_DWG.9

LEGEND

- PROPOSED CUT AREA
- PROPOSED FILL AREA

KNOXVILLE SOUTH WATERFRONT PUBLIC IMPROVEMENTS

TVA SECTION 26A/ USACE SECTION 404 JOINT PERMIT APPLICATION

APPLICATION BY: CITY OF KNOXVILLE

PURPOSE: REDEVELOPMENT OF FORT LOUDON LAKE SOUTH WATERFRONT

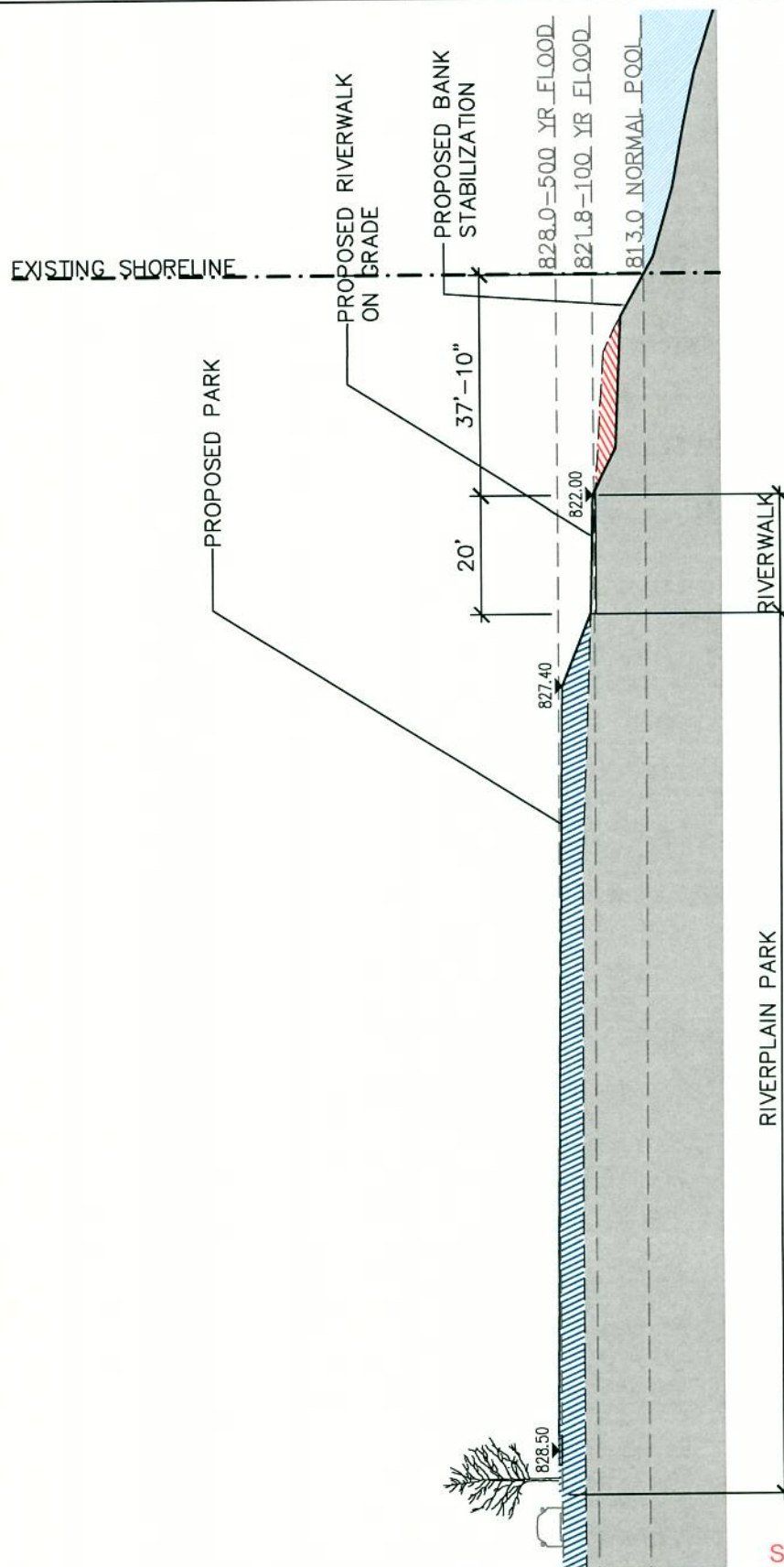
SECTION F

DATUM: NAVD 88
SCALE: 1"=30'





0 15 30

SHEET 39 OF 53
REVISED 11/17/08



S26A/404_SI_DWG.10

LEGEND

-  PROPOSED CUT AREA
-  PROPOSED FILL AREA

KNOXVILLE SOUTH WATERFRONT PUBLIC IMPROVEMENTS

TVA SECTION 26A/ USACE SECTION 404 JOINT PERMIT APPLICATION

APPLICATION BY: CITY OF KNOXVILLE

PURPOSE: REDEVELOPMENT OF FORT LOUDON LAKE SOUTH WATERFRONT

SECTION G

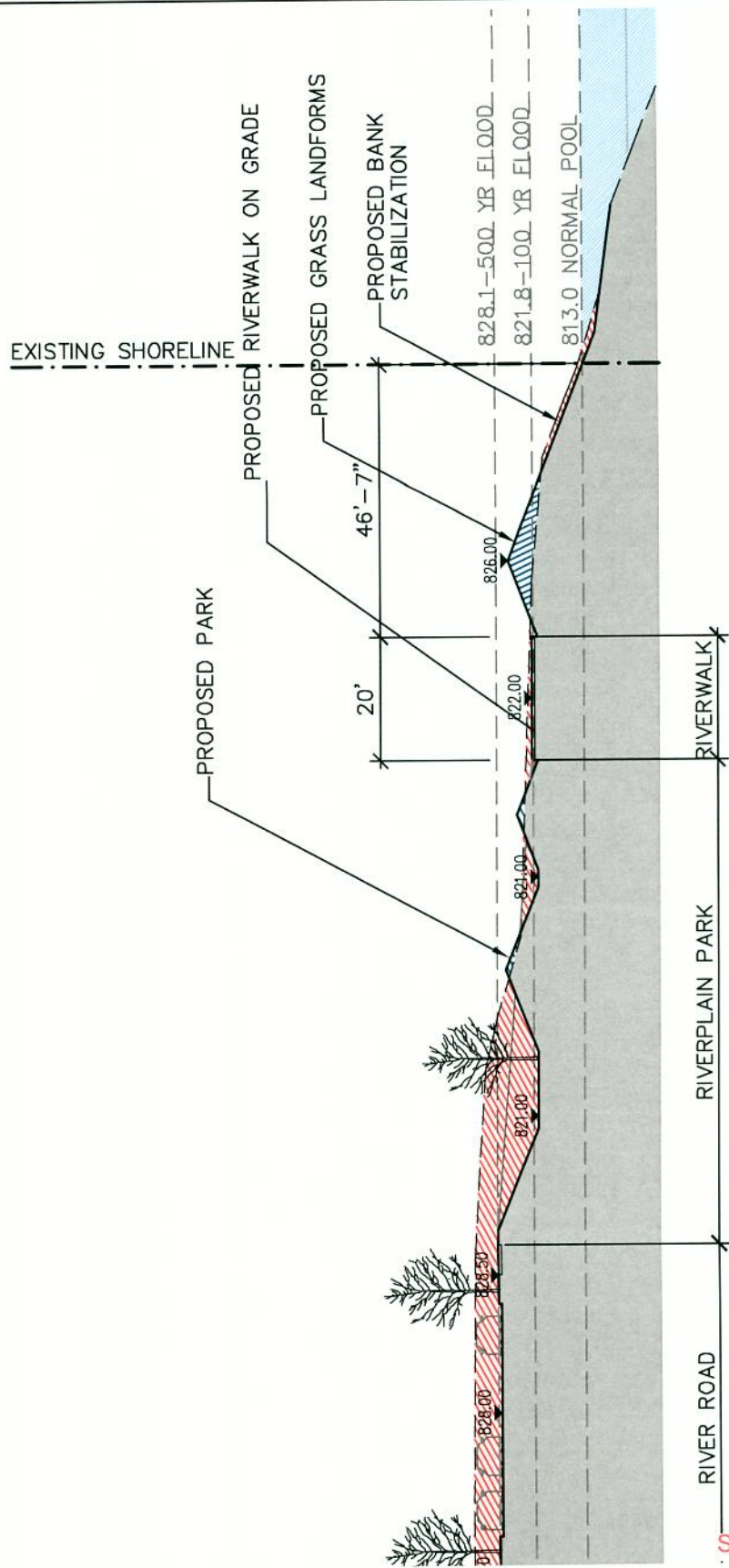
DATUM: NAVD 88
SCALE: 1"=30'



0 15 30



SHEET 40 OF 53

REVISED 11/17/08



S26A/404_SI_DWG.11

LEGEND

-  PROPOSED CUT AREA
-  PROPOSED FILL AREA

KNOXVILLE SOUTH WATERFRONT PUBLIC IMPROVEMENTS

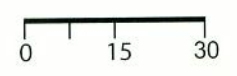
TVA SECTION 26A/ USACE SECTION 404 JOINT PERMIT APPLICATION

APPLICATION BY: CITY OF KNOXVILLE

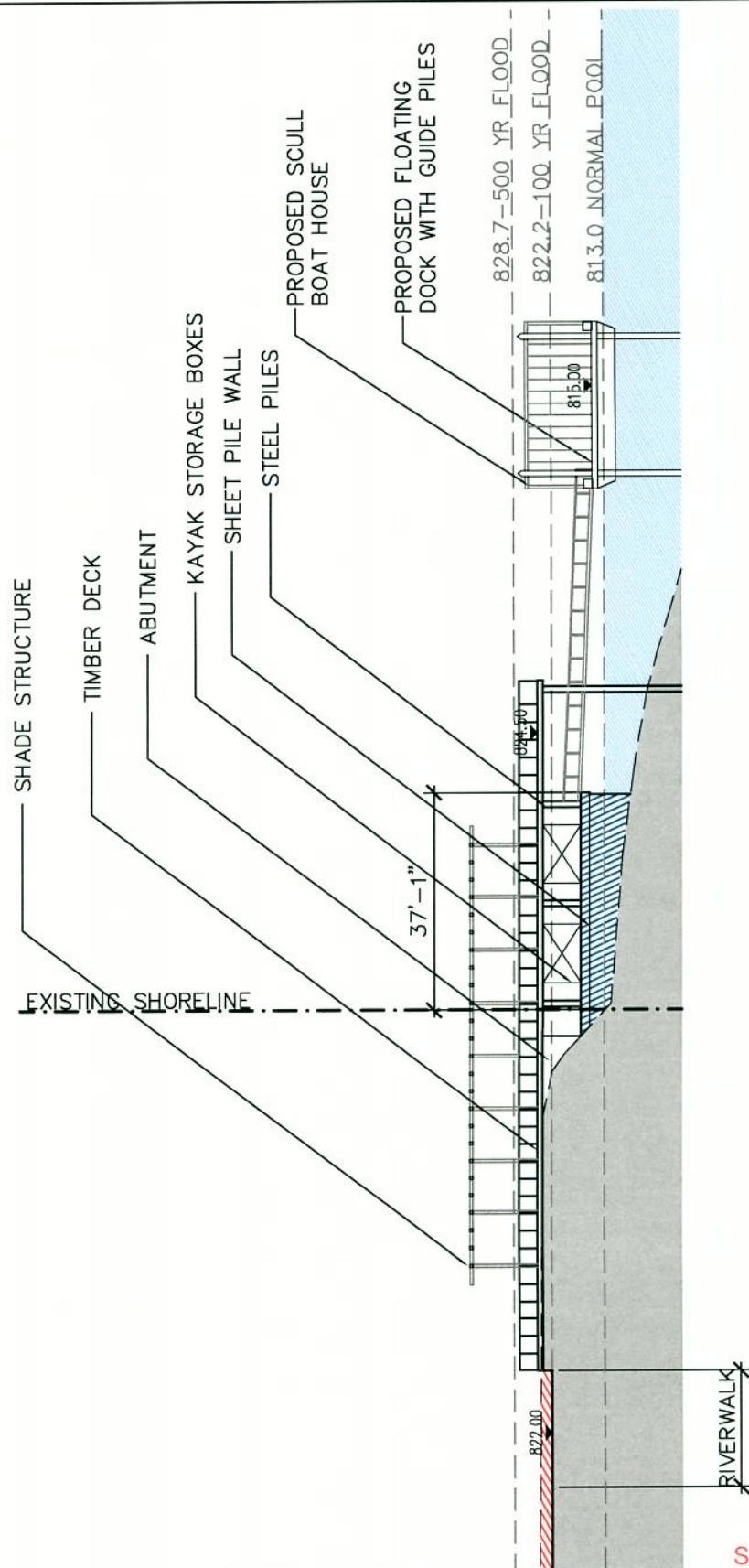
PURPOSE: REDEVELOPMENT OF FORT LOUDON LAKE SOUTH WATERFRONT

SECTION H

DATUM: NAVD 88
SCALE: 1"=30'



SHEET 41 OF 53
REVISED 11/17/08



S26A/404_SI_DWG.12

LEGEND

- PROPOSED CUT AREA
- PROPOSED FILL AREA

KNOXVILLE SOUTH WATERFRONT PUBLIC IMPROVEMENTS

TVA SECTION 26A/ USACE SECTION 404 JOINT PERMIT APPLICATION

APPLICATION BY: CITY OF KNOXVILLE

PURPOSE: REDEVELOPMENT OF FORT LOUDON LAKE SOUTH WATERFRONT

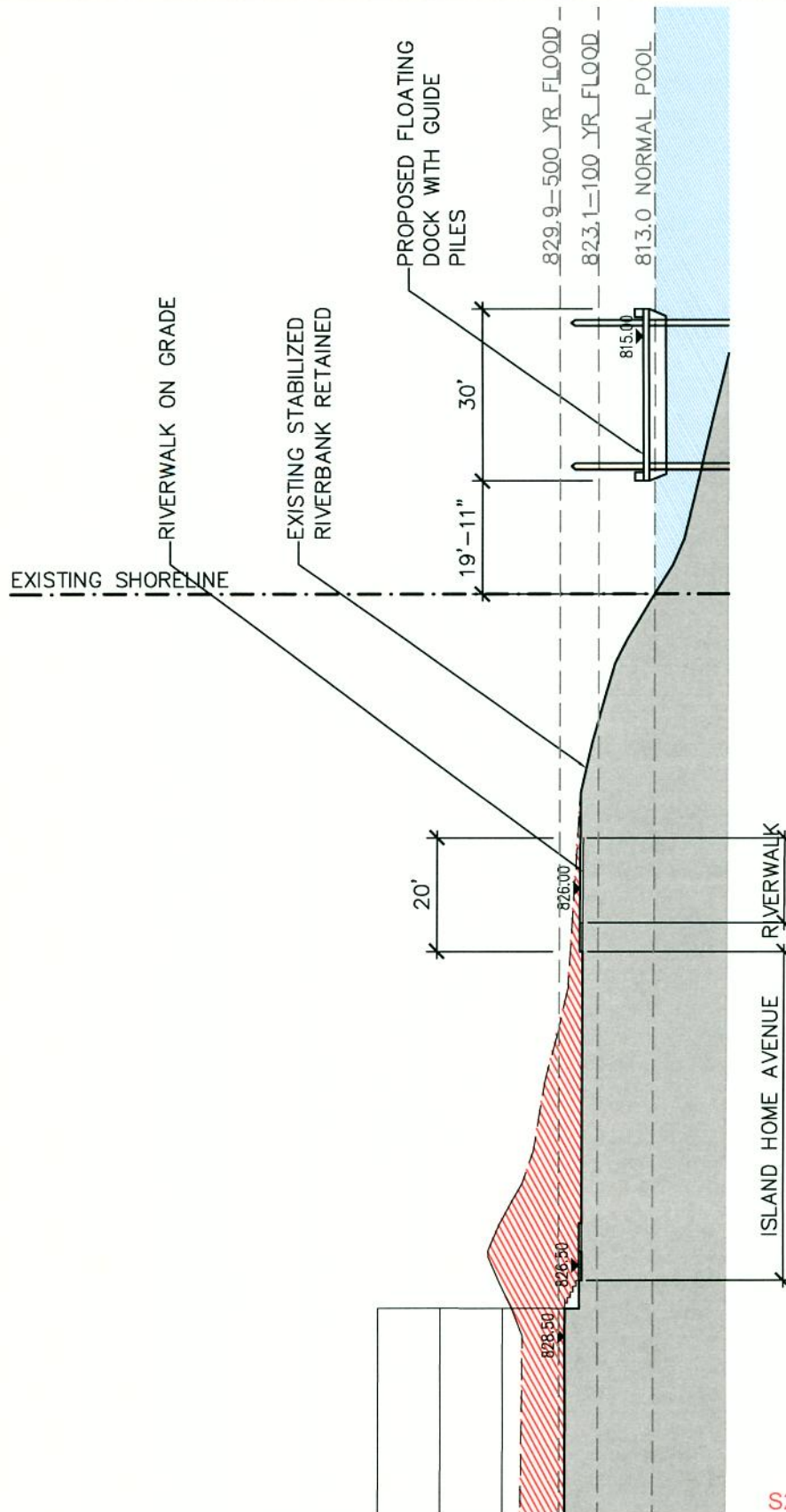
SECTION I

DATUM: NAVD 88
SCALE: 1"=30'



0 15 30

SHEET 42 OF 53
REVISED 11/17/08



S26A/404_SI_DWG.13

LEGEND

- PROPOSED CUT AREA
- PROPOSED FILL AREA

KNOXVILLE SOUTH WATERFRONT PUBLIC IMPROVEMENTS

TVA SECTION 26A/ USACE SECTION 404 JOINT PERMIT APPLICATION

APPLICATION BY: CITY OF KNOXVILLE

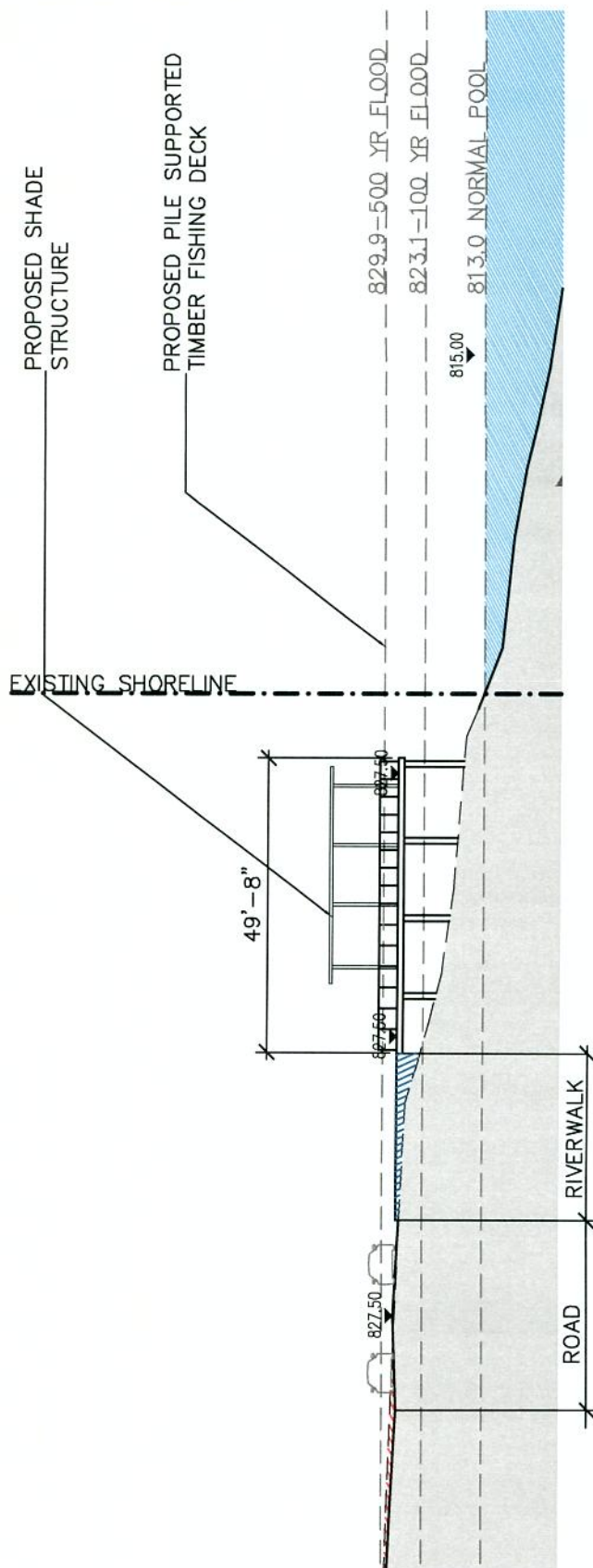
PURPOSE: REDEVELOPMENT OF FORT LOUDON LAKE SOUTH WATERFRONT

SECTION J

DATUM: NAVD 88
SCALE: 1"=30'



SHEET 43 OF 53
REVISED 11/17/08



S26A/404_SI_DWG.27

LEGEND

- PROPOSED CUT AREA
- PROPOSED FILL AREA

KNOXVILLE SOUTH WATERFRONT PUBLIC IMPROVEMENTS

TVA SECTION 26A/ USACE SECTION 404 JOINT PERMIT APPLICATION

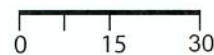
APPLICATION BY: CITY OF KNOXVILLE

PURPOSE: REDEVELOPMENT OF FORT LOUDON LAKE SOUTH WATERFRONT

SECTION K

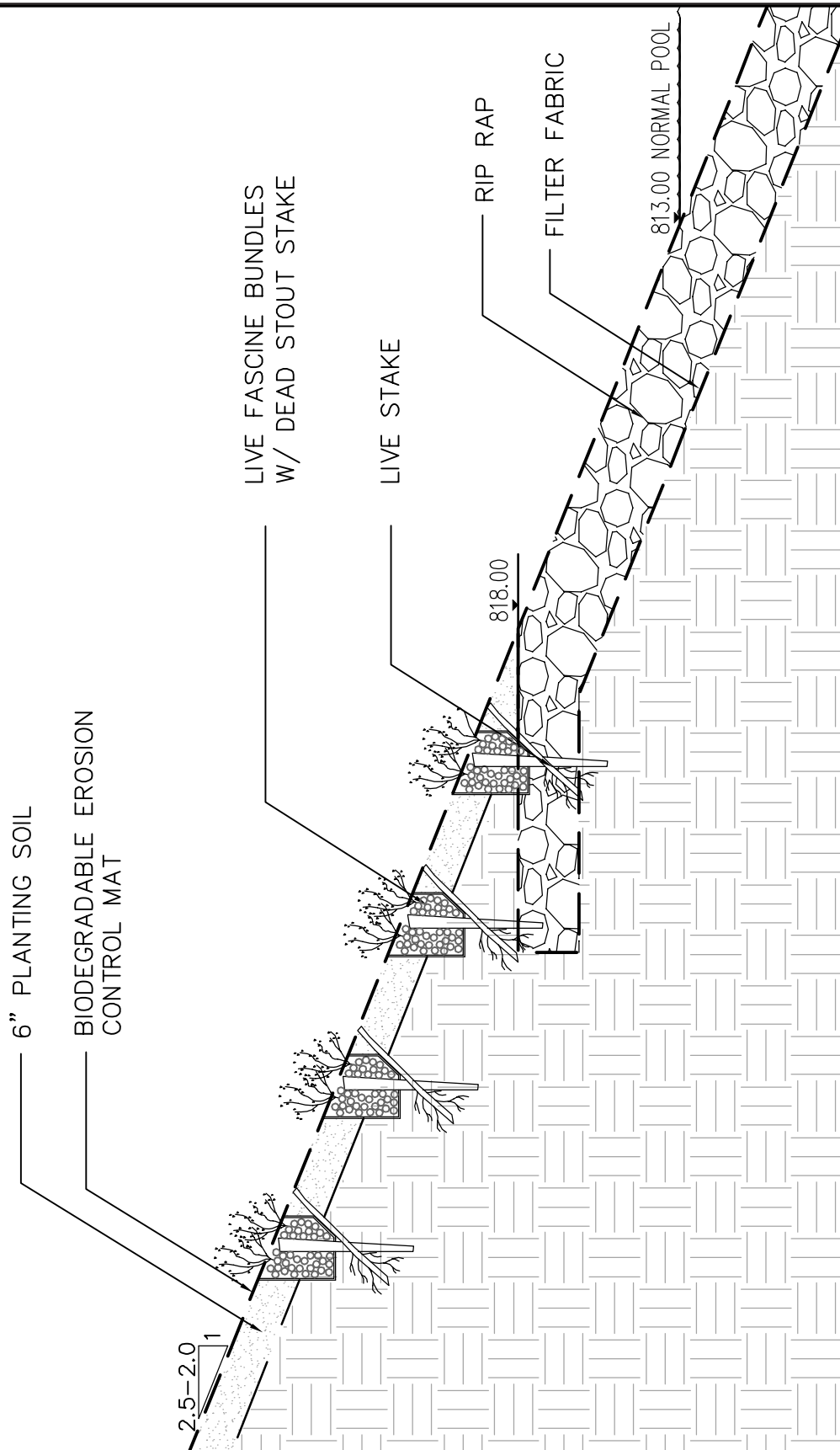
DATUM: NAVD 88

SCALE: 1"=30'



SHEET 44 OF 53

REVISED 01/29/09



1 BIO ENGINEERED SLOPE FOR BANK STABILIZATION
SCALE: 1/16" = 1' - 0"

KNOXVILLE SOUTH WATERFRONT PUBLIC IMPROVEMENTS

TVA SECTION 26A/ USACE SECTION 404 JOINT PERMIT APPLICATION

APPLICATION BY: CITY OF KNOXVILLE

PURPOSE: REDEVELOPMENT OF FORT LOUDON LAKE SOUTH WATERFRONT

BANK STABILIZATION DETAIL

DATUM: NAVD 88
SCALE: 1/16"=1'

SHEET 45 OF 53
DATE: 05/02/08