TOWNSHIP PLANNING COMMISSION

PENN TOWNSHIP PLANNING COMMISSION APPROVED

CHAIRMAN DATE

SECRETARY DATE

TOWNSHIP SUPERVISORS

PENN TOWNSHIP SUPERVISORS APPROVED

CHAIRMAN DATE

SECRETARY DATE

STORMWATER FACILITIES ACKNOWLEDGEMENT

I / WE _____, THE LANDOWNER(S) MY / OUR HEIR(S) AND ASSIGNS, ACKNOWLEDGE THE STORMWATER MANAGEMENT SYSTEM TO BE A PERMANENT FACILITY WHICH CAN BE ALTERED OR REMOVED ONLY AFTER APPROVAL OF A REVISED PLAN BY THE PENN TOWNSHIP SUPERVISORS.

OWNER BY

DESIGN ENGINEER STORMWATER CERTIFICATION

I, _____, HEREBY CERTIFY THAT THE STORMWATER MANAGEMENT PLAN MEETS ALL DESIGN STANDARDS AND CRITERIA OF THE PENN TOWNSHIP STORMWATER MANAGEMENT ORDINANCE.

OWNER(S) CERTIFICATION

STATE OF: PENNSYLVANIA
COUNTY OF: SNYDER

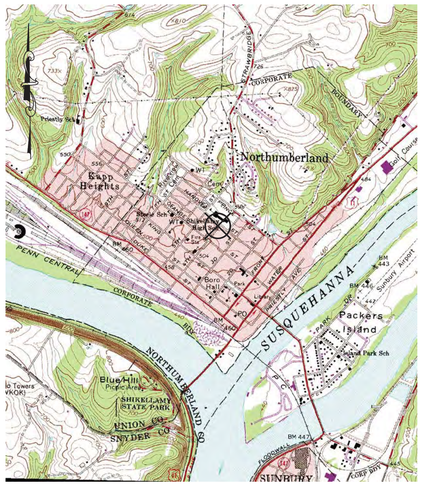
ON THIS THE____DAY OF_____, 20__THE UNDERSIGNED OWNER(S) PERSONALLY APPEARED BEFORE ME AND CERTIFIED THAT THEY WERE THE OWNER(S) OF THE PROPERTY SHOWN ON THIS PLAN AND ACKNOWLEDGE THE SAME TO BE THEIR ACT AND PLAN AND DESIGNS, THE SAME TO BE RECORDED AS SUCH ACCORDING TO THE LAW.

OWNER BY

WITNESS MY HAND AND SEAL, THIS DATE_____

NOTARY PUBLIC

SUSQUEHANNA RIVER
STREAMBANK REHABILITATION PROJECT
FOR
NORTHUMBERLAND BOROUGH, NORTHUMBERLAND COUNTY, PENNSYLVANIA



LOCATION MAP
SCALE: 1" = 2,000'

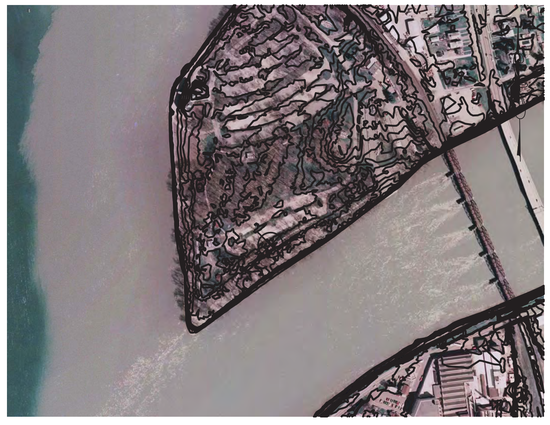
LEGEND
PROJECT LOCATION

SHEET INDEX

SHEET 01 - CS COVER SHEET
SHEET 02 - C1 STREAM BANK STABILIZATION PLAN/ DETAILS
SHEET 03 - C2 CONCEPT PLAN

GENERAL NOTES

1. BOUNDARY AND TOPOGRAPHICAL SURVEY BY STAHL SHEAFFER ENGINEERING ON MARCH 6, 2012.
2. ELEVATIONS BASED ON ASSUMED DATUM. ALL MATERIALS AND CONSTRUCTION SHALL CONFORM TO NORTHUMBERLAND BOROUGH STANDARDS.



SITE KEY MAP
SCALE: 1" = 400'

LEGEND
PROJECT LOCATION

STAHL SHEAFFER ENGINEERING, LLC
301 SCIENCE PARK ROAD, SUITE 333
STATE COLLEGE, PA 16803
PH: 814-689-1562
FAX: 814-689-1885
WWW.SSE-LLC.COM

COMMONWEALTH OF PENNSYLVANIA — REGISTERED PROFESSIONAL — ROD G. STAHL — ENGINEER — No.055474-E

SEAL:

SURVEYOR RGN
CADD ACC
DESIGNER CES
PROJ. MANAGER CES
FILE 11-137

9-13-13 ISSUED FOR CONSTR.
DATE DESCRIPTION
REVISIONS

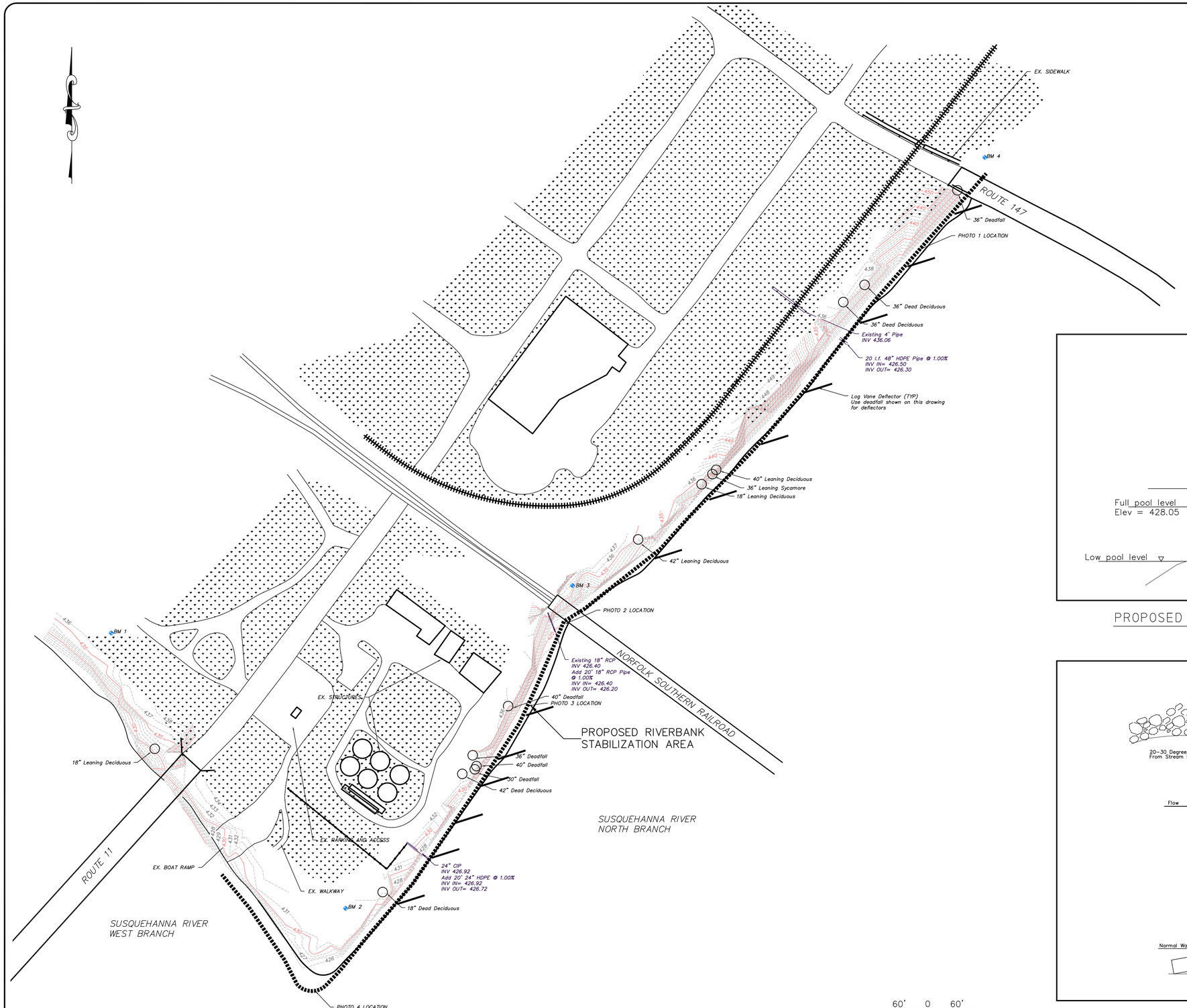
PROJECT NAME
SUSQUEHANNA RIVER STREAMBANK REHABILITATION PROJECT

SHEET NAME
COVER SHEET

PROJECT NO.
SSE 11-137

DATE
MARCH 20, 2012

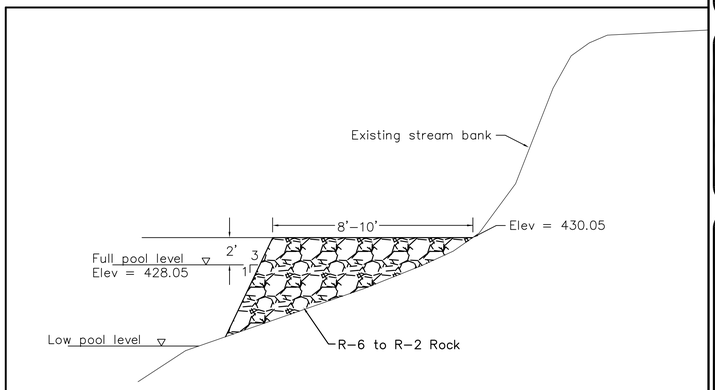
SCALE	SHEET NO.
AS NOTED	CS



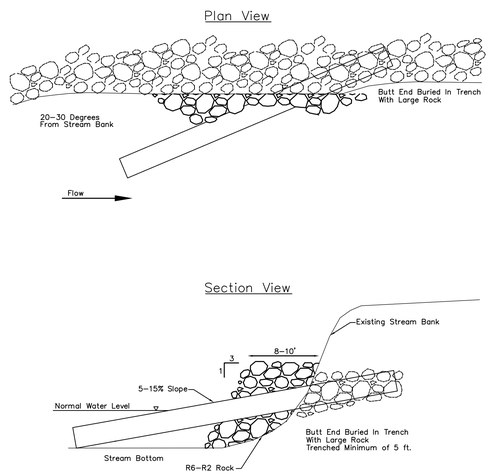
60' 0 60'
100' 20' 20' 100'
SCALE: 1" = 100'

SITE BENCHMARKS:

BM	DESCRIPTION	ELEVATION
1	TRV NAIL SPIKE	437.19
2	TRV NAIL SPIKE	431.84
3	TRV NAIL SPIKE	436.52
4	TRV NAIL SPIKE	435.63



PROPOSED STREAMBANK RESTORATION SECTION (TYP.)
NTS



STREAM BANK STABILIZATION WITH LOG VANE DEFLECTOR
NTS

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COMMONWEALTH OF PENNSYLVANIA
REGISTERED PROFESSIONAL
CHAD E. SHAFFER
LAND SURVEYOR
SU060612

SEAL:

SURVEYOR	RGN
CADD	ACC
DESIGNER	CES
PROJ. MANAGER	CES
FILE	11-137

DATE DESCRIPTION
REVISIONS

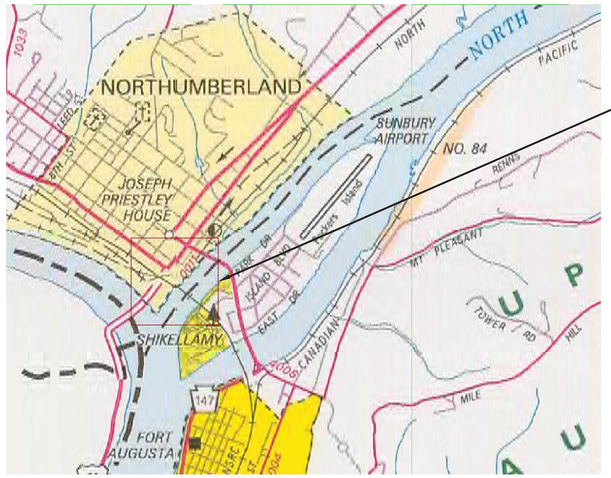
PROJECT NAME

NORTHUMBERLAND
STREAM BANK
REHABILITATION

SHEET NAME

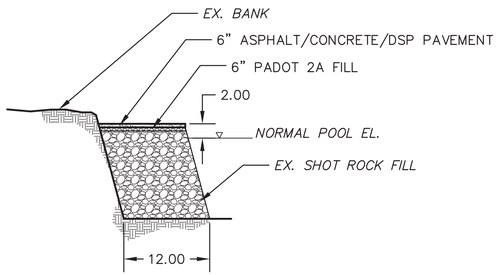
STREAM BANK
STABILIZATION
PLAN/
DETAILS

PROJECT NO.	
SSE 11-137	
DATE	
APRIL 27, 2012	
SCALE	SHEET NO.
1" = 100'	C1



LOCATION MAP – NORTHUMBERLAND COUNTY

SCALE: 1" = 2000'



DETAIL – GREENWAY TYP. SECTION

SCALE: N.T.S.

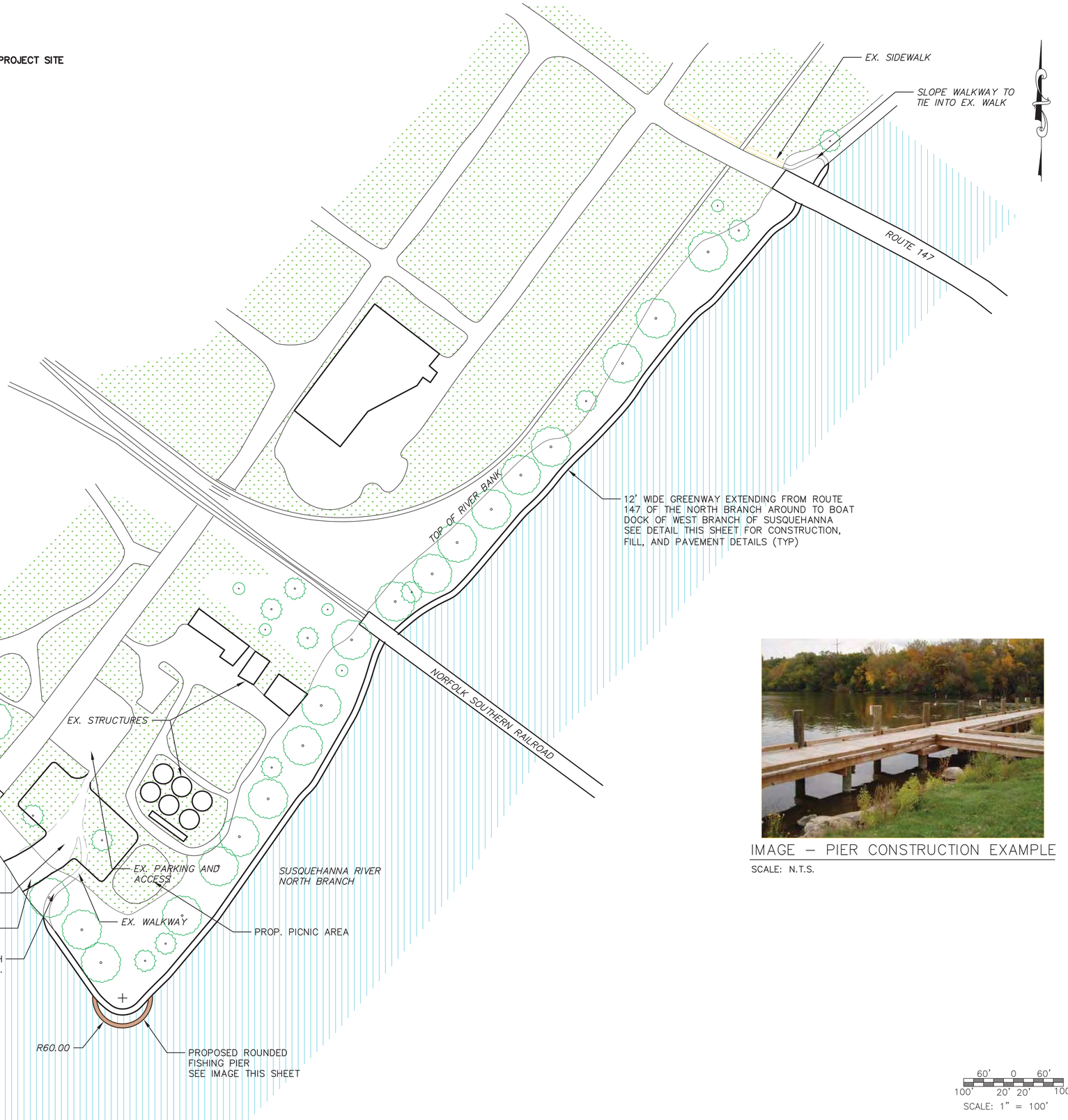


IMAGE – PIER CONSTRUCTION EXAMPLE

SCALE: N.T.S.

60' 0 60'
100' 20' 20' 100'

SCALE: 1" = 100'

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COMMONWEALTH OF PENNSYLVANIA
REGISTERED PROFESSIONAL
CHAD E. SHAFFER
LAND SURVEYOR
SU060572

SEAL:

SURVEYOR	RGN
CADD	ACC
DESIGNER	CES
PROJ. MANAGER	CES
FILE	11-137

9-13-13 ISSUED FOR CONSTR.
DATE DESCRIPTION

REVISIONS

PROJECT NAME

NORTHUMBERLAND BOROUGH GREENWAY

SHEET NAME

CONCEPT PLAN

PROJECT NO.
SSE 11-137

DATE
MARCH 30, 2012

SCALE	SHEET NO.
VARIES	C2