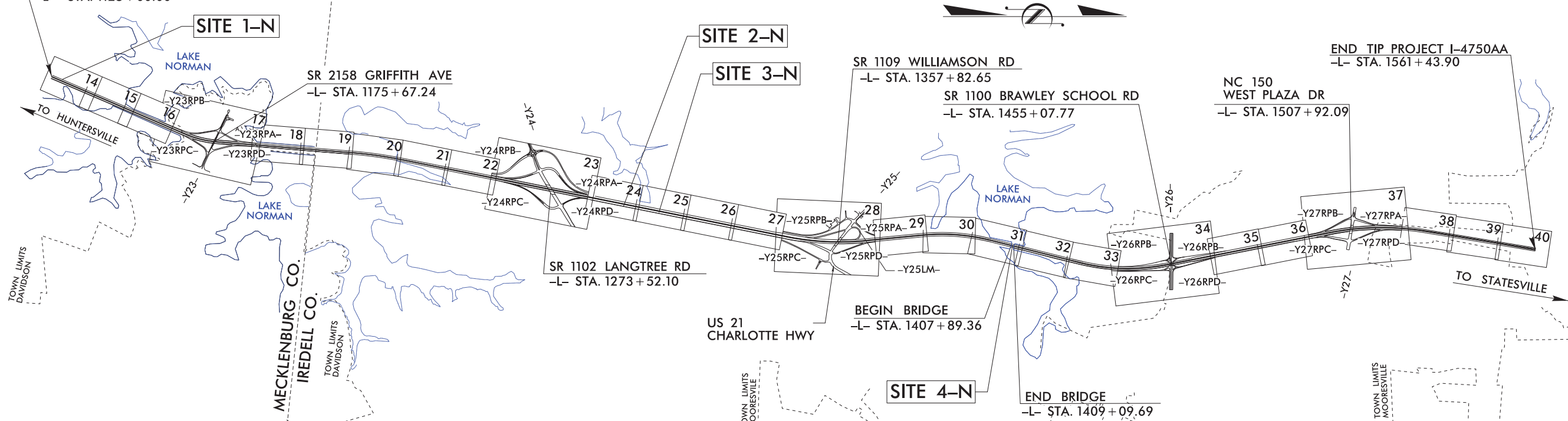


CONTRACT: C203406

The map shows the project route in Iradell County, Missouri. The route starts at the 'BEGIN PROJECT' point near Lake Norman and ends at the 'END PROJECT' point near the town limits of Mooresville. The map includes labels for Lake Norman, Iradell County, Mecklenburg County, and various landmarks like the town limits of Mooresville and the Iradell County Courthouse. A scale bar indicates 0 to 1 mile.

BEGIN TIP PROJECT I-4750AA
-L - STA. 1125+00.00



**THIS IS A CONTROLLED-ACCESS PROJECT WITH
ACCESS BEING LIMITED TO INTERCHANGES**

ADT 2012 = 185,400
ADT 2035 = 231,400
DHV = 10 %
D = 60 %
T = 8 % *
V = 70 MPH
* (TTST 4% + DUAL 4%)
FUNC. CLASS = INTERSTATE
"STATEWIDE TIER"

<i>LENGTH ROADWAY TIP PROJECT I-4750AA</i>	=	<i>8.245 MI</i>
<i>LENGTH STRUCTURES TIP PROJECT I-4750AA</i>	=	<i>0.023 MI</i>
<i>TOTAL LENGTH OF TIP PROJECT I-4750AA</i>	=	<i>8.268 MI</i>

2012 STANDARD SPECIFICATIONS

RIGHT OF WAY DATE:
N/A

LETTING DATE:
TBD

DEAN HATFIELD, P.E.
PROJECT ENGINEER

R. D. ODELL, P. E.
PROJECT DESIGN ENGINEER

P.E.

SIGNATURE _____

**ROADWAY DESIGN
ENGINEER**

P.E.
SIGNATURE:



STATE HIGHWAY DESIGN ENGINEER



sugar creek
construction, LLC



 DENOTES TEMPORARY
IMPACTS IN SURFACE WATER

NOTES:

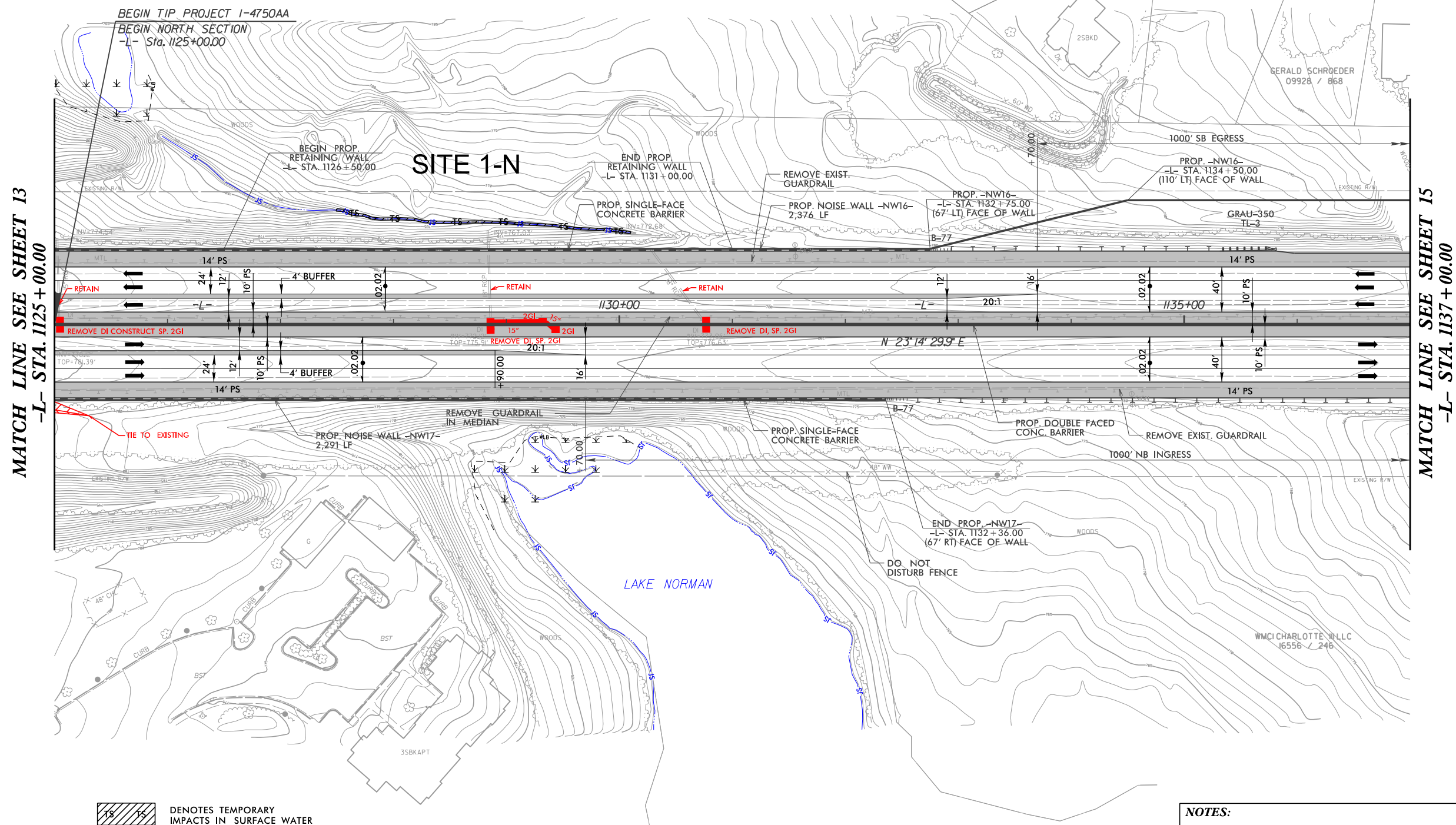
1.) FOR -L- PROFILE SEE SHEET 52.

REVISIONS

8/12/2015 12:59:15 PM
\$FILES\$
[-77 perm.t.h]



PROJECT REFERENCE NO.	SEEKING
<i>C203406</i>	<i>14</i>
RW. SHEET NO.	
ROADWAY DESIGN ENGINEER	HYDRAULICS ENGINEER
INCOMPLETE PLANS DO NOT USE FOR A/W ACQUISITION PRELIMINARY PLANS DO NOT USE FOR CONSTRUCTION	
REGISTERED ENGINEER	REGISTERED ENGINEER
	
 Louis Berger	



NOTES:

1.) FOR -L- PROFILE SEE SHEET 52.

REVISIONS

8/12/2015 12:59:20 PM
\$FILES\$
I-77-permit.tbl



INCOMPLETE PLANS DO NOT USE FOR R/W ACQUISITION	
PRELIMINARY PLANS DO NOT USE FOR CONSTRUCTION	

REGISTERED ENGINEER	REGISTERED ENGINEER
---------------------	---------------------

sugar creek
construction, LLC



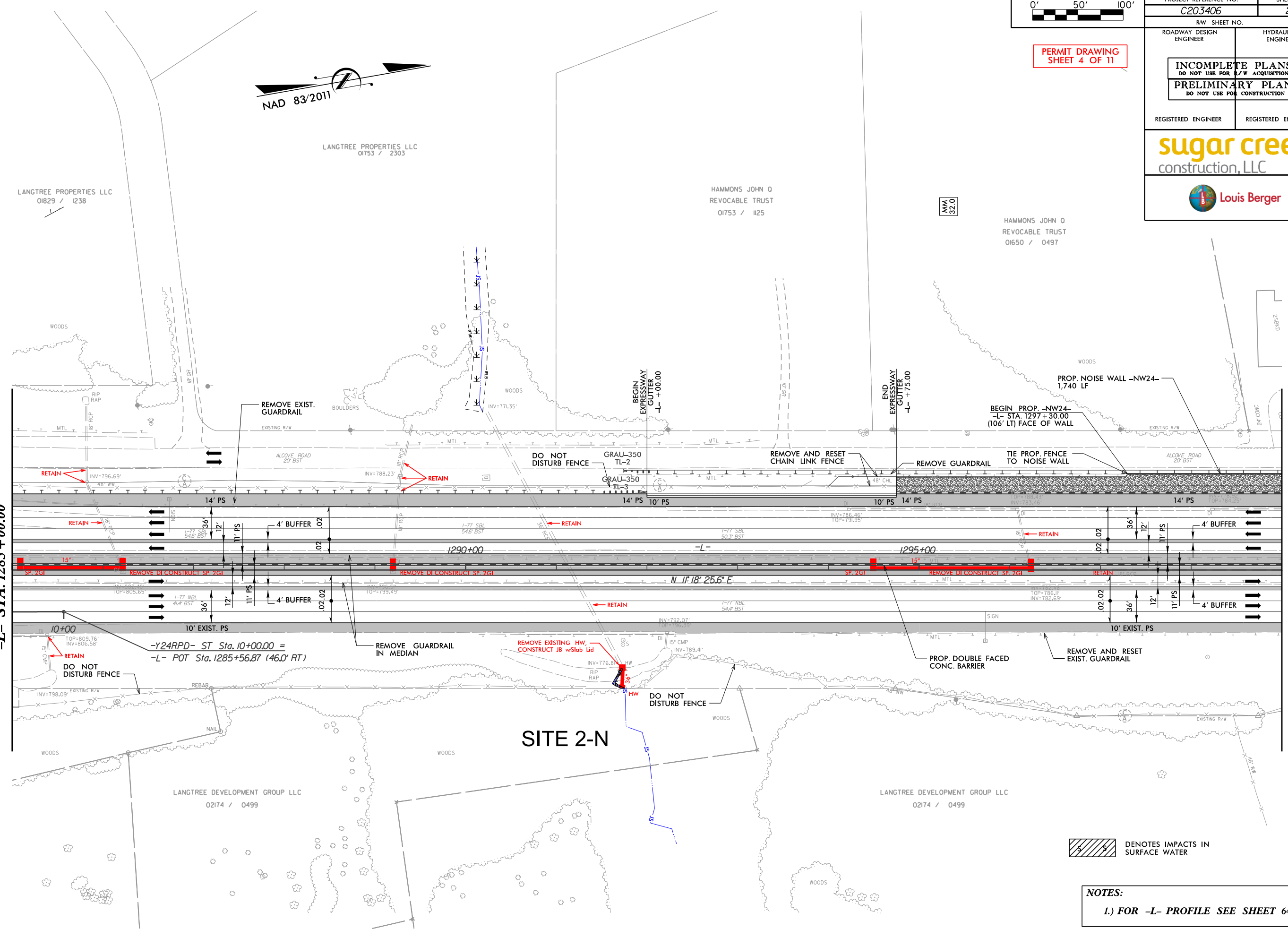
Louis Berger



LANGTREE PROPERTIES LLC
01753 / 2303

HAMMONS JOHN O
REVOCABLE TRUST
01753 / 1125

HAMMONS JOHN O
REVOCABLE TRUST
01650 / 0497



MATCH LINE SEE SHEET 25
-L- STA. 1299 + 00.00

SITE 2-N

 DENOTES IMPACTS IN SURFACE WATER

NOTES:

1.) FOR -L- PROFILE SEE SHEET 64.

REVISIONS

8/12/2015 12:59:24 PM
\$FILES\$
I-77_permitt.tbl

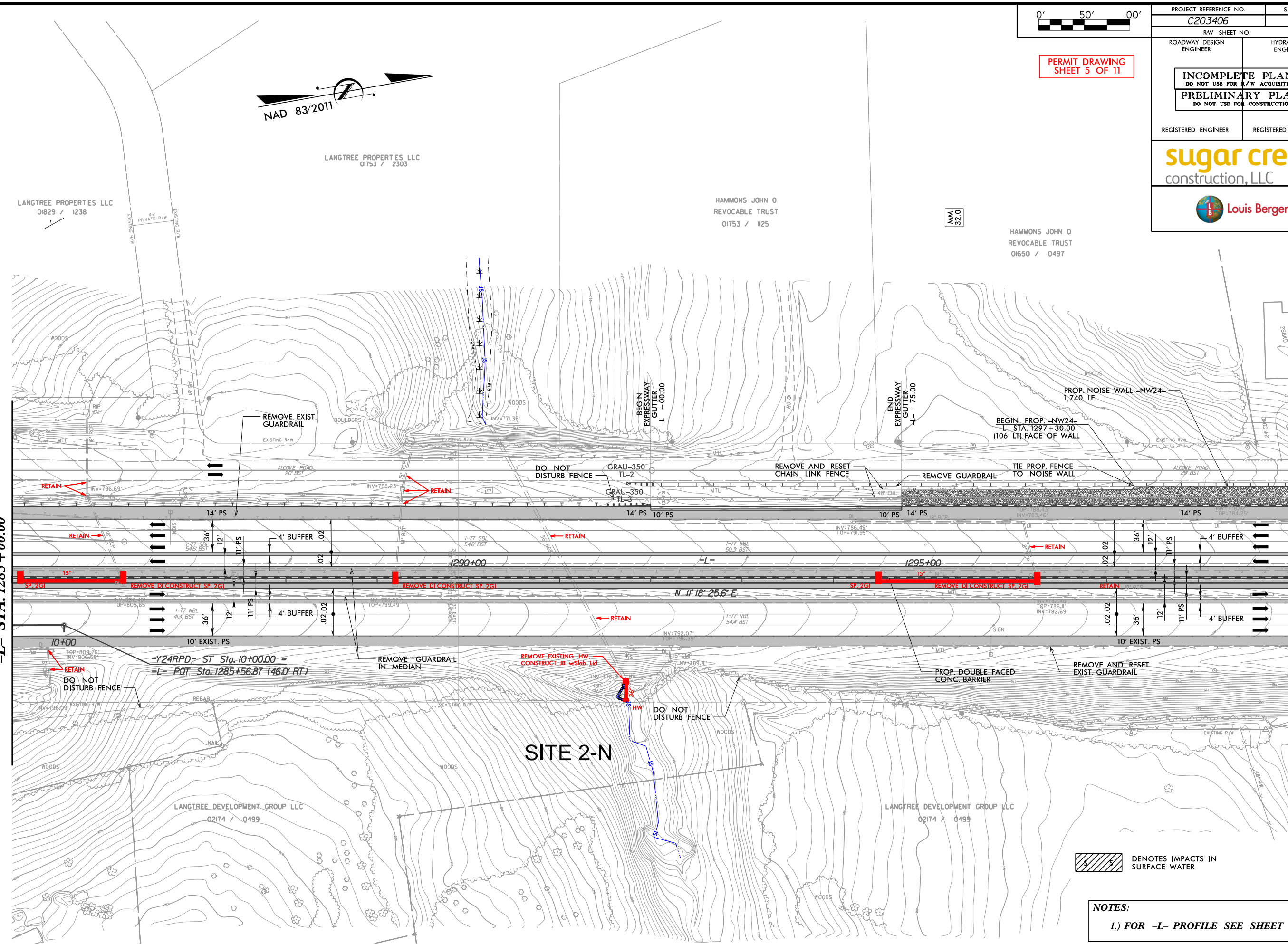
0'50'100'

PERMIT DRAWING
SHEET 5 OF 11

PROJECT REFERENCE NO. C203406		SHEET NO. 24	
RW SHEET NO.		HYDRAULICS ENGINEER	
ROADWAY DESIGN ENGINEER		HYDRAULICS ENGINEER	
INCOMPLETE PLANS DO NOT USE FOR A/W ACQUISITION		PRELIMINARY PLANS DO NOT USE FOR CONSTRUCTION	
REGISTERED ENGINEER		REGISTERED ENGINEER	
sugar creek construction, LLC			
Louis Berger			

MATCH LINE SEE SHEET 23
-L- STA. 1285+00.00

MATCH LINE SEE SHEET 25
-L- STA. 1299+00.00



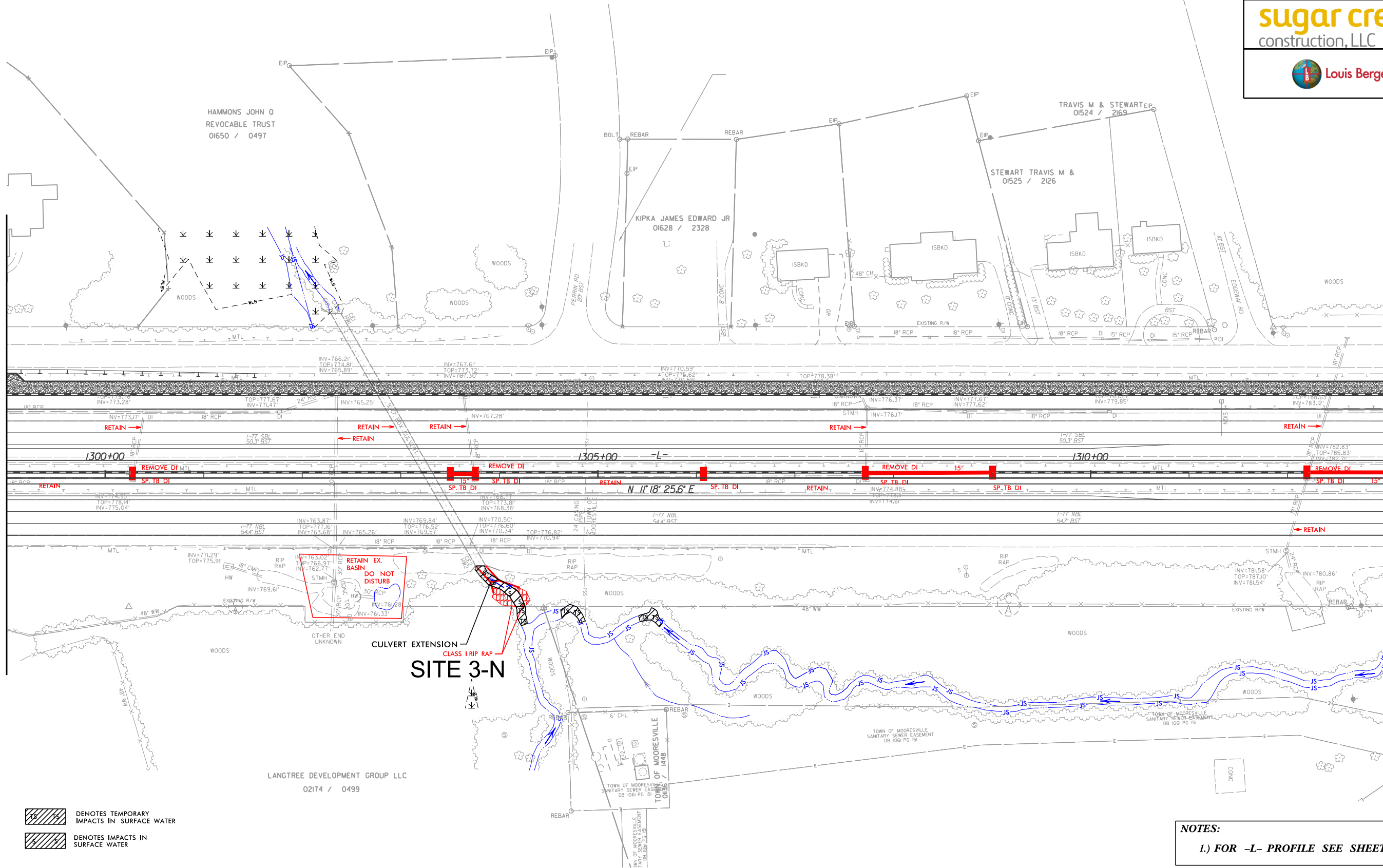
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PERMIT DRAWING
SHEET 6 OF 11

PROJECT REFERENCE NO. C203406		SHEET NO. 25	
RW SHEET NO.			
ROADWAY DESIGN ENGINEER		HYDRAULICS ENGINEER	
INCOMPLETE PLANS DO NOT USE FOR A/W ACQUISITION		PRELIMINARY PLANS DO NOT USE FOR CONSTRUCTION	
REGISTERED ENGINEER		REGISTERED ENGINEER	
sugar creek construction, LLC			
Louis Berger			

MATCH LINE SEE SHEET 24
-L- STA. 1299 + 00.00

MATCH LINE SEE SHEET 26
-L- STA. 1313 + 00.00



- DENOTES TEMPORARY IMPACTS IN SURFACE WATER
- DENOTES IMPACTS IN SURFACE WATER

NOTES:
1.) FOR -L- PROFILE SEE SHEET 65.

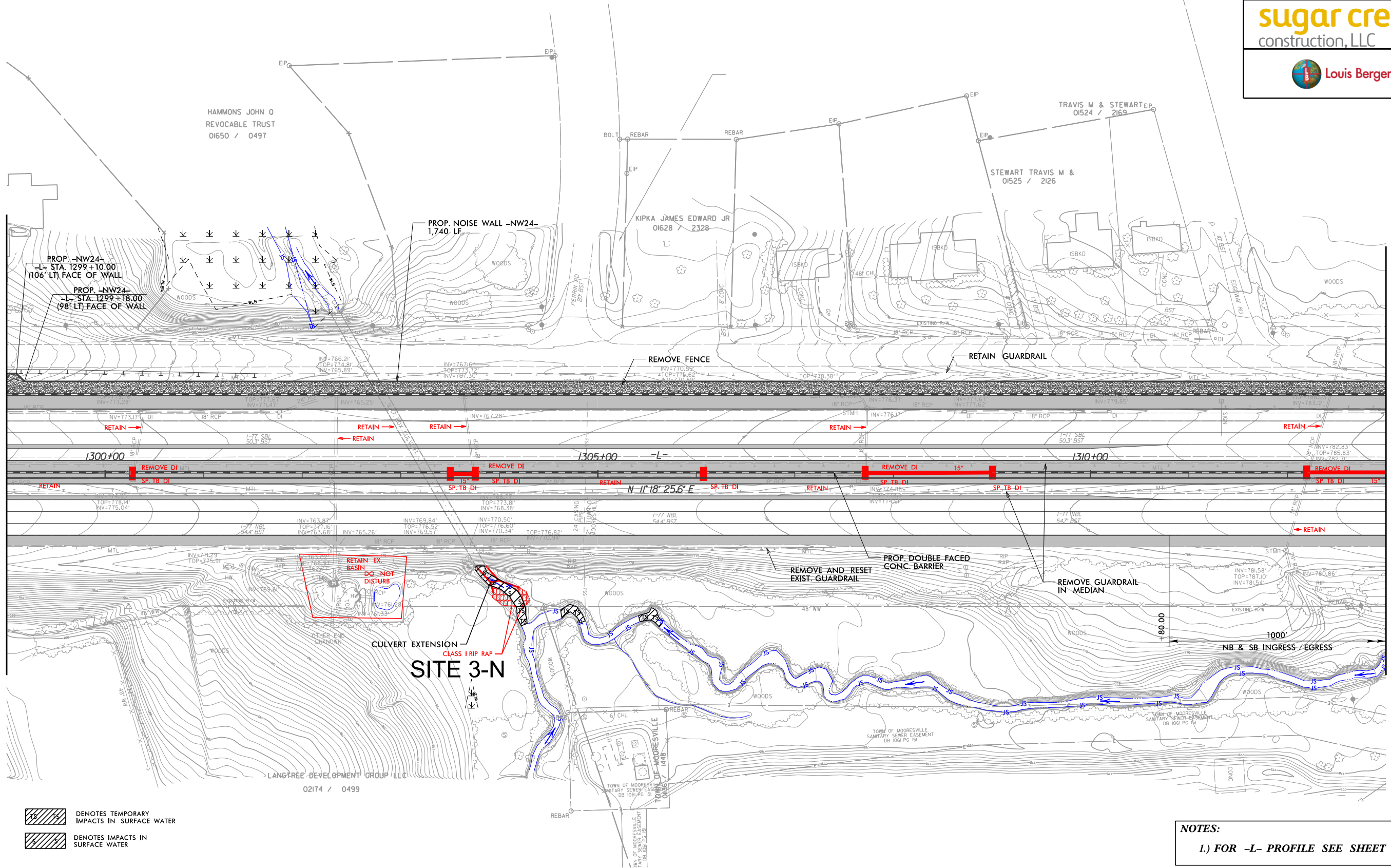
REVISIONS

8/12/2015 12:59:33 PM
\$FILES\$
I-77-permit.tbl

0'50'100'

PERMIT DRAWING
SHEET 7 OF 11

PROJECT REFERENCE NO. C203406		SHEET NO. 25	
RW SHEET NO.		HYDRAULICS ENGINEER	
ROADWAY DESIGN ENGINEER		REGISTERED ENGINEER	
INCOMPLETE PLANS DO NOT USE FOR A/W ACQUISITION		REGISTERED ENGINEER	
PRELIMINARY PLANS DO NOT USE FOR CONSTRUCTION		REGISTERED ENGINEER	
sugar creek construction, LLC			
Louis Berger			



MATCH LINE SEE SHEET 24
-L- STA. 1299 + 00.00

MATCH LINE SEE SHEET 26
-L- STA. 1313 + 00.00

- Denotes temporary impacts in surface water
- Denotes impacts in surface water

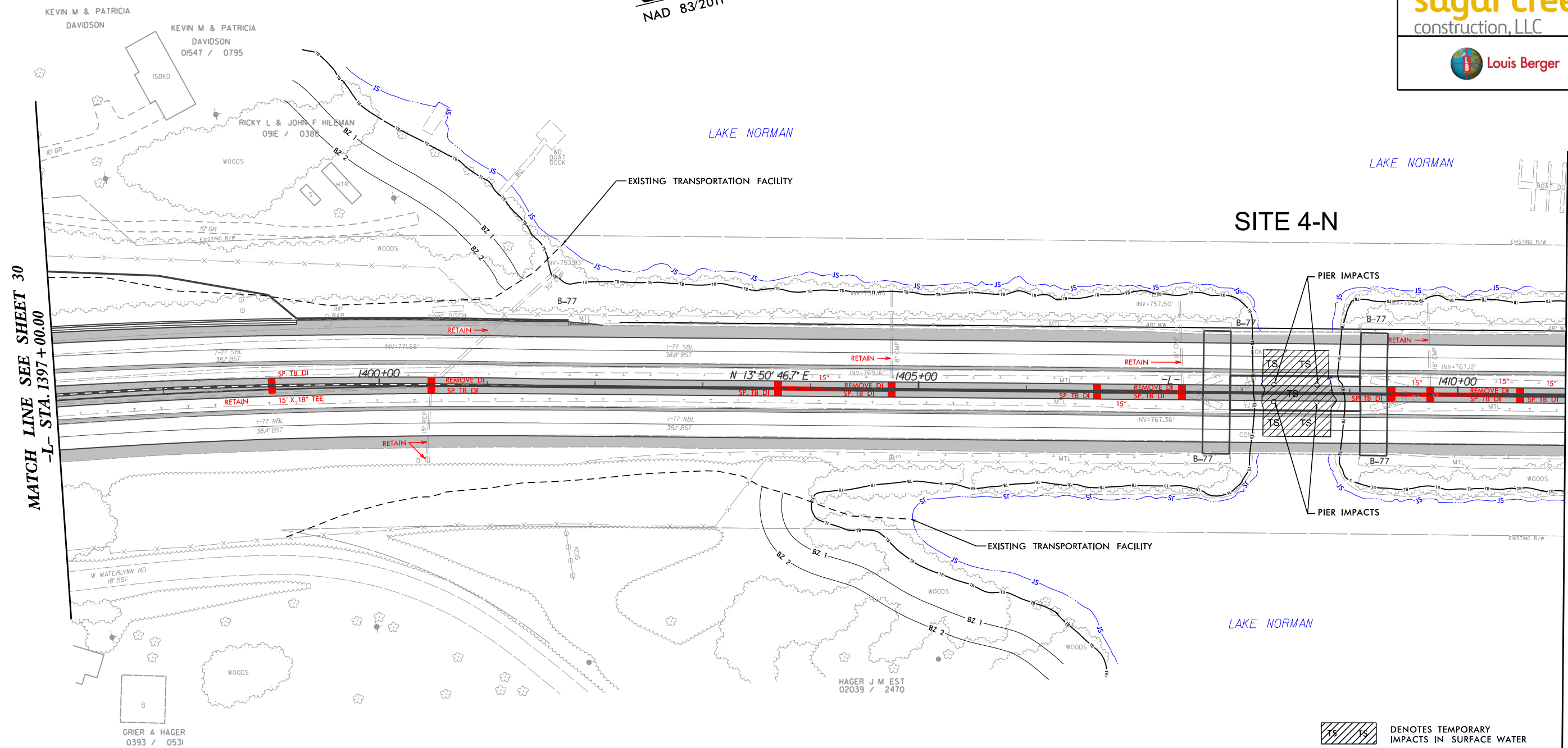
NOTES:
1.) FOR -L- PROFILE SEE SHEET 65.

REVISIONS

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1-77-permit.tbl

PERMIT DRAWING
SHEET 8 OF 11

PROJECT REFERENCE NO.	SEEKING
<i>C203406</i>	<i>31</i>
RW. SHEET NO.	
ROADWAY DESIGN ENGINEER	HYDRAULICS ENGINEER
INCOMPLETE PLANS DO NOT USE FOR A/W ACQUISITION PRELIMINARY PLANS DO NOT USE FOR CONSTRUCTION	
REGISTERED ENGINEER	REGISTERED ENGINEER
	
 Louis Berger	



 DENOTES TEMPORARY
IMPACTS IN SURFACE WATER

- NOTES:
- TOP OF BANK (TB) REPRESENTS 760 CONTOUR.
 - EXISTING RIPRAP TO BE RESTORED UNDERNEATH THE BRIDGE, NO ADDITIONAL RIPRAP PROPOSED.
 - EXISTING CHANNEL NOT TO BE MORE THAN 50% BLOCKED BY TEMPORARY WORK PAD AT WATER SURFACE AND ONLY ONE TEMPORARY WORK PAD TO BE INSTALLED IN LAKE NORMAN AT A TIME. SUPPORT WORKS MAY BE CONDUCTED FROM A BARGE, WHEN FEASIBLE.

NOTES:
1.) FOR -L- PROFILE SEE SHEET 72.

REVISIONS

MATCH LINE SEE SHEET 30
-L- STA. 1397 + 00.00

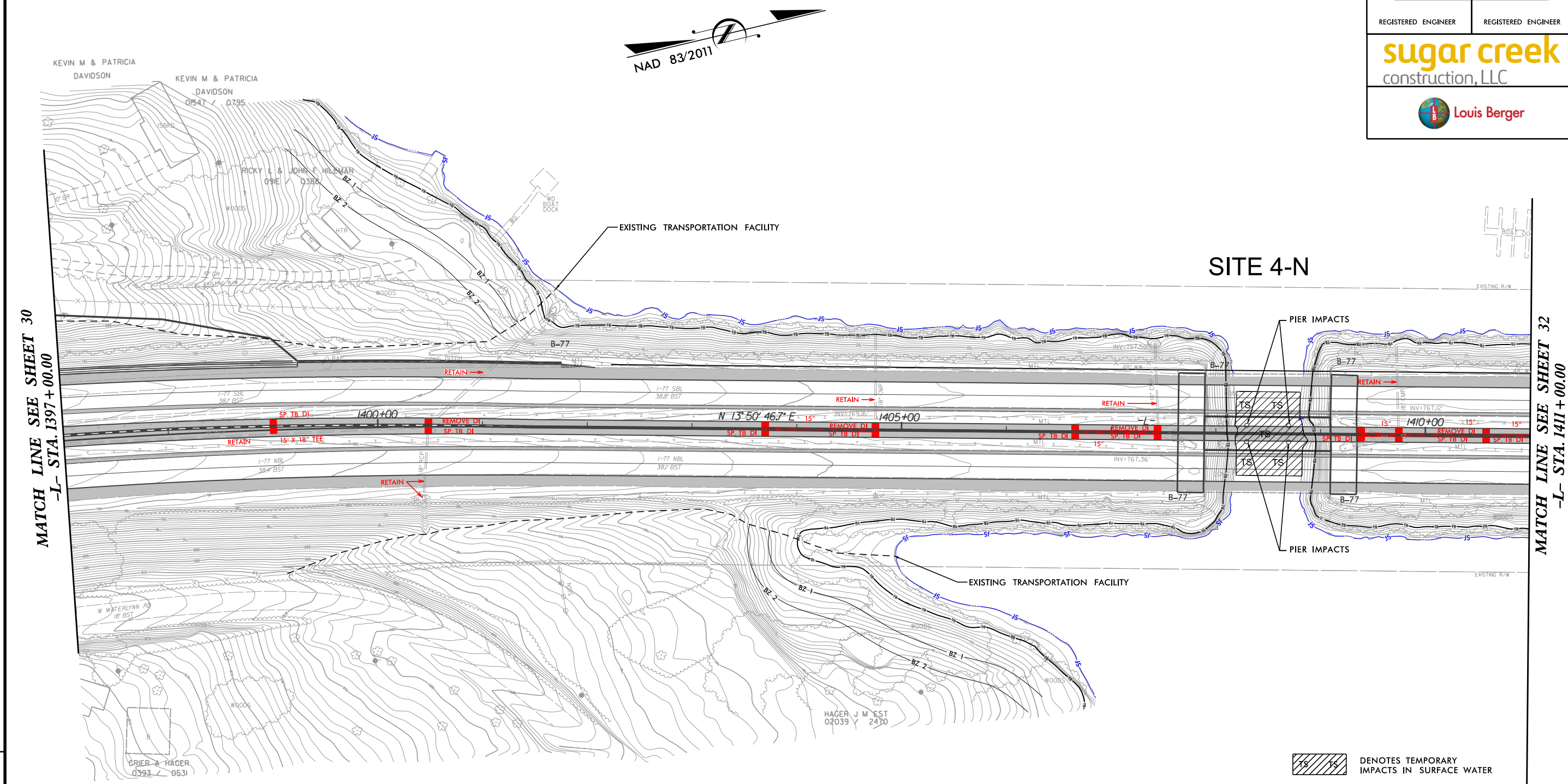
MATCH LINE SEE SHEET 32
-L- STA. 1411 + 00.00

8/12/2015 1:00:09 PM
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I-77_permit.tbl

0'50'100'

PERMIT DRAWING
SHEET 9 OF 11

PROJECT REFERENCE NO. C203406		SHEET NO. 31	
RW SHEET NO.			
ROADWAY DESIGN ENGINEER		HYDRAULICS ENGINEER	
INCOMPLETE PLANS DO NOT USE FOR A/W ACQUISITION		PRELIMINARY PLANS DO NOT USE FOR CONSTRUCTION	
REGISTERED ENGINEER		REGISTERED ENGINEER	
sugar creek construction, LLC			
Louis Berger			



DENOTES TEMPORARY IMPACTS IN SURFACE WATER

- NOTES:
- TOP OF BANK (TB) REPRESENTS 760 CONTOUR.
 - EXISTING RIPRAP TO BE RESTORED UNDERNEATH THE BRIDGE, NO ADDITIONAL RIPRAP PROPOSED.
 - EXISTING CHANNEL NOT TO BE MORE THAN 50% BLOCKED BY TEMPORARY WORK PAD AT WATER SURFACE AND ONLY ONE TEMPORARY WORK PAD TO BE INSTALLED IN LAKE NORMAN AT A TIME. SUPPORT WORKS MAY BE CONDUCTED FROM A BARGE, WHEN FEASIBLE.

NOTES:
1.) FOR -L- PROFILE SEE SHEET 72.

REVISIONS

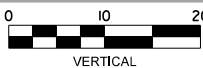
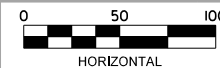
8/12/2015 4:00:13 PM \$FILES\$ 1-77-permit.tbl

5/28/99

sugar creek
construction, LLC



Louis Berger



PERMIT DRAWING
SHEET 10 OF 11

PROJECT REFERENCE NO.

C203406

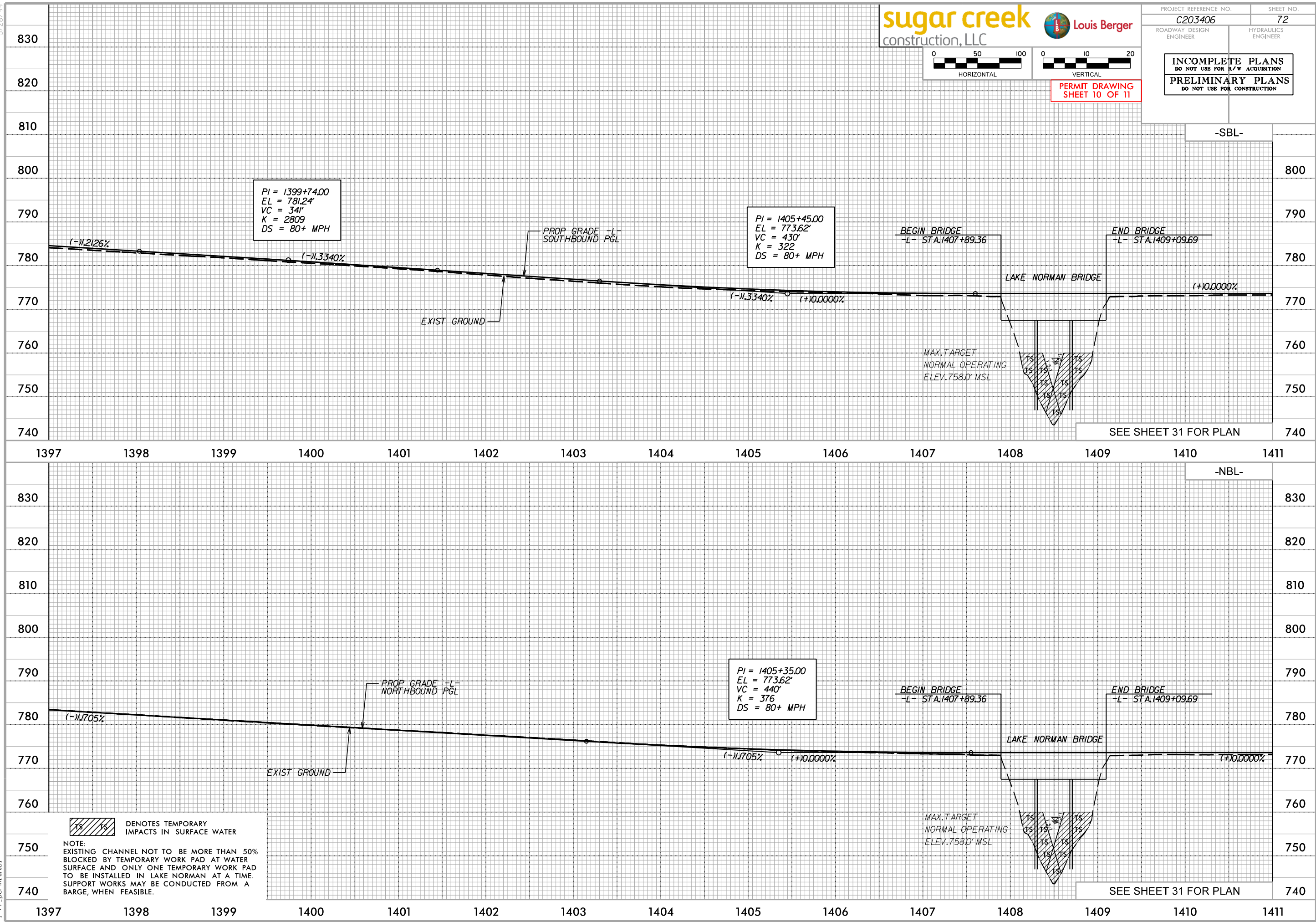
SHEET NO.

72

ROADWAY DESIGN
ENGINEER

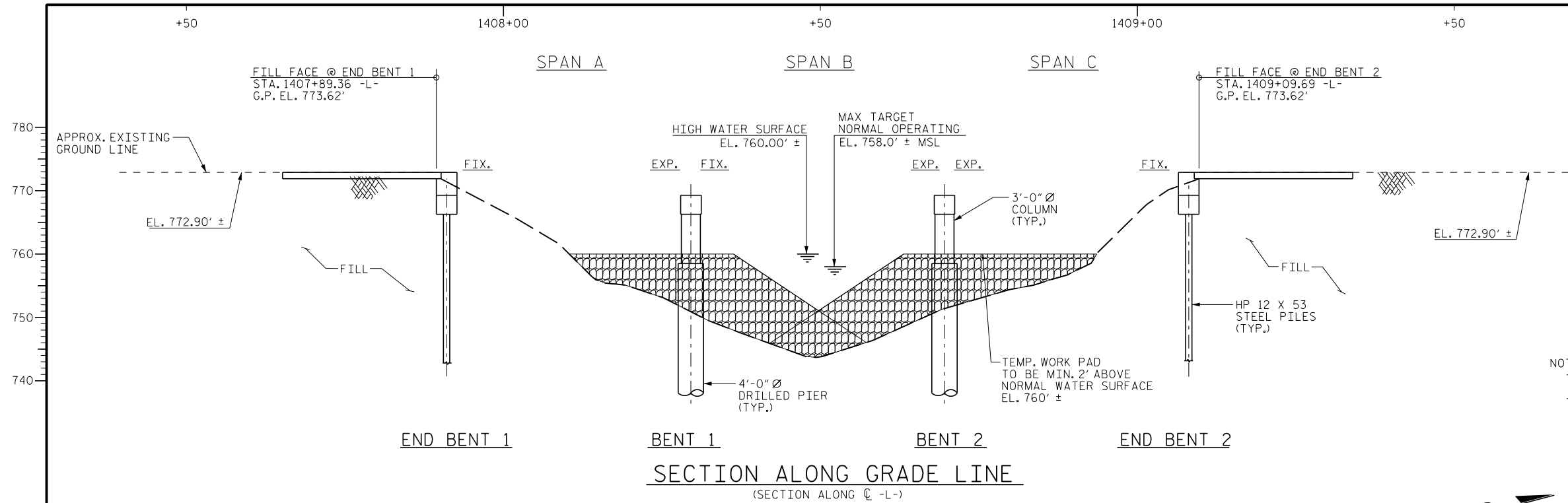
HYDRAULICS
ENGINEER

INCOMPLETE PLANS
DO NOT USE FOR R/W ACQUISITION
PRELIMINARY PLANS
DO NOT USE FOR CONSTRUCTION

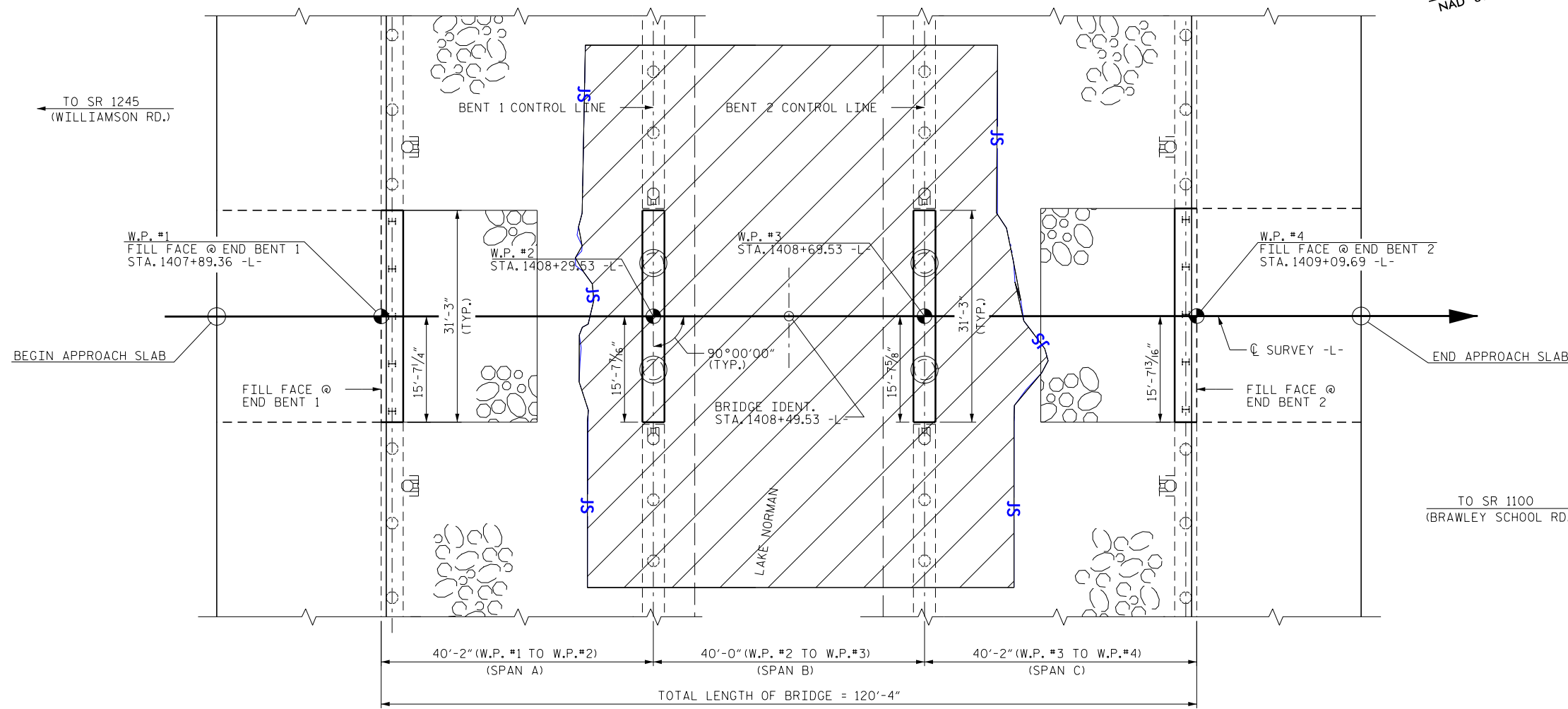


8/12/2015 1:00:17 PM

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1-77.permt.tbl



- NOTES:
- EXISTING RIPRAP TO BE RESTORED UNDERNEATH THE BRIDGE, NO ADDITIONAL RIPRAP PROPOSED.
 - EXISTING CHANNEL NOT TO BE MORE THAN 50% BLOCKED BY TEMPORARY WORK PAD AT WATER SURFACE AND ONLY ONE TEMPORARY WORK PAD TO BE INSTALLED IN LAKE NORMAN AT A TIME. SUPPORT WORKS MAY BE CONDUCTED FROM A BARGE, WHEN FEASIBLE.



PLAN

PROJECT NO. I-4750AA
IREDELL COUNTY
STATION: 1408+49.53 -L-
WIDENING AND REHABILITATION
OF BRIDGE No. 480052 & 480053

STATE OF NORTH CAROLINA
DEPARTMENT OF TRANSPORTATION
RALEIGH

PRELIMINARY
GENERAL DRAWING FOR BRIDGE
WIDENING ON I-77NB & I-77SB
LANES OVER LAKE NORMAN
BETWEEN SR-1245 AND SR-1100

PRELIMINARY PLANS
DO NOT USE FOR CONSTRUCTION

DRAWN BY : M. HOGAN DATE : 6/15
CHECKED BY : DATE :
DESIGN ENGINEER OF RECORD : DATE :

sugar creek
construction, LLC

Prepared by:
LOUIS BERGER
1001 Wade Avenue, Suite 400
Raleigh, NC 27605-3322
NC COA No. F-0840

REVISIONS						SHEET NO. S16-1
NO.	BY:	DATE:	NO.	BY:	DATE:	
1			3			TOTAL SHEETS 2
2			4			

TIP PROJECT: I-3311C

CONTRACT: C203406

STATE OF NORTH CAROLINA
DIVISION OF HIGHWAYS

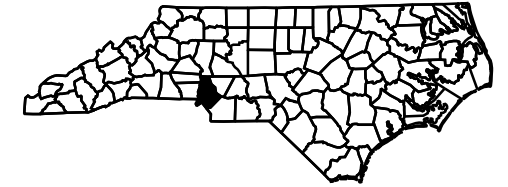
MECKLENBURG COUNTY

LOCATION: I-277 FROM N. BREVARD ST. TO I-77
2.6 MILES OF INTERSTATE 77
FROM MM 11.2 TO MM 13.8

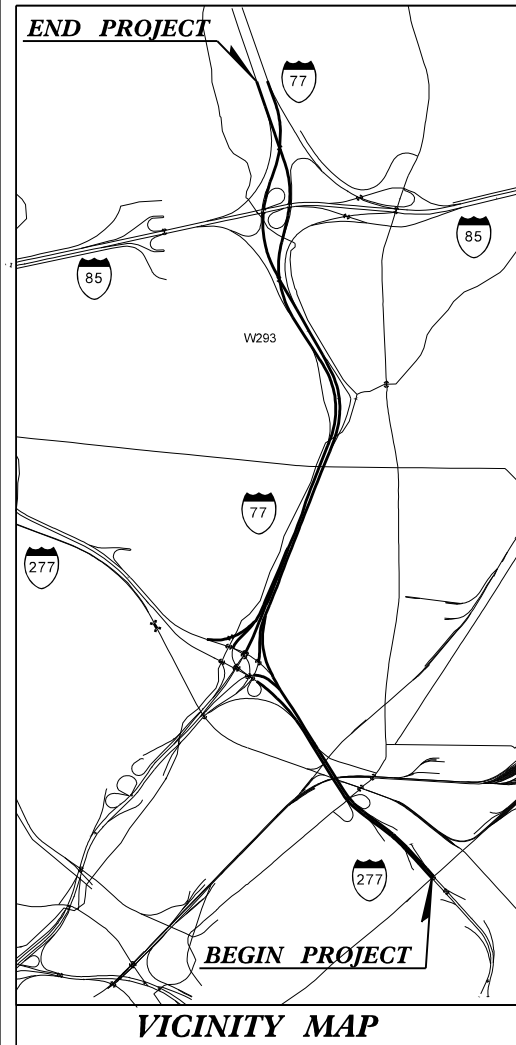
TYPE OF WORK: GRADING, PAVING, DRAINAGE, SIGNING, ITS,
GUARDRAIL, PAVEMENT MARKINGS,
TOLLING STRUCTURES/EQUIPMENT AND STRUCTURE

WETLAND AND STREAM IMPACTS (SOUTH SECTION)

STATE	STATE PROJECT REFERENCE NO.	SHEET NO.	TOTAL SHEETS
N.C.		1	
STATE PROJ. NO.	F.A. PROJ. NO.	DESCRIPTION	



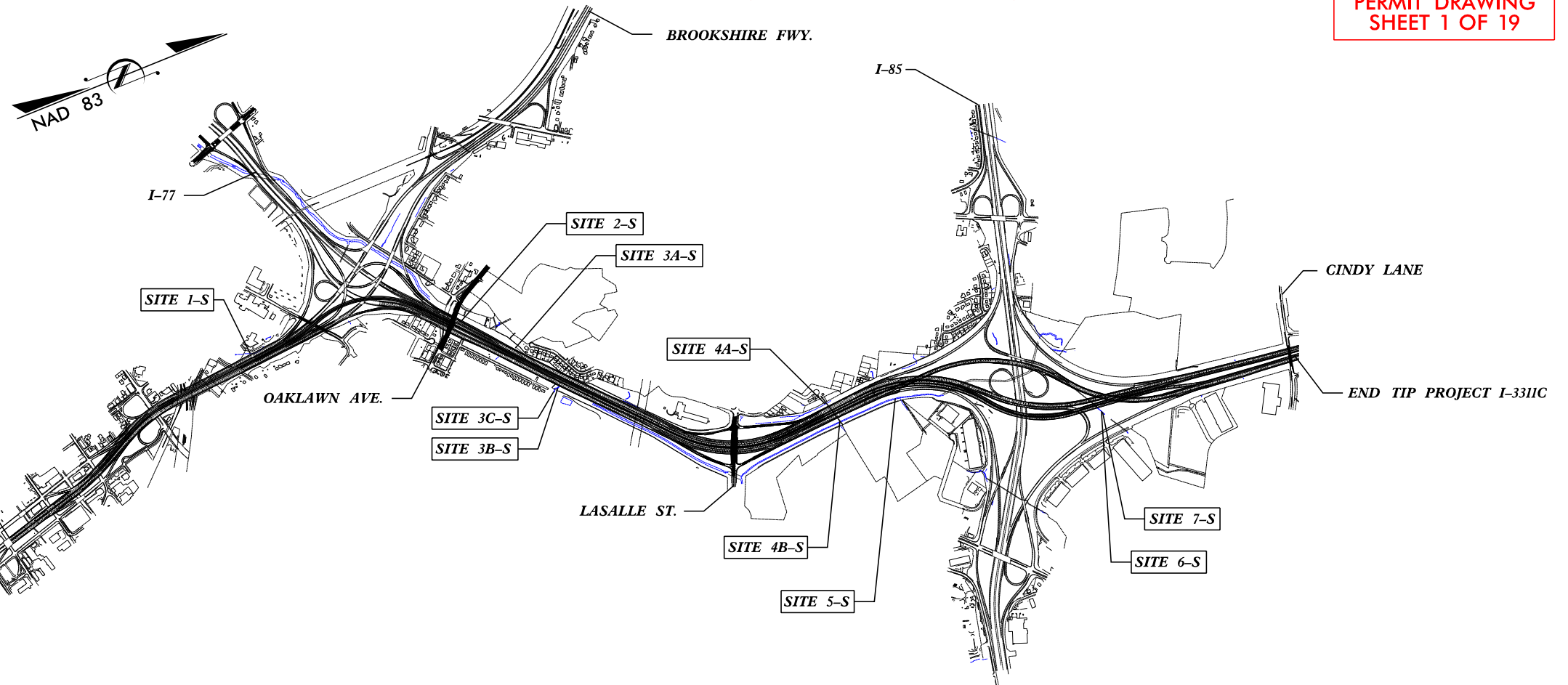
PERMIT DRAWING
SHEET 1 OF 19



VICINITY MAP

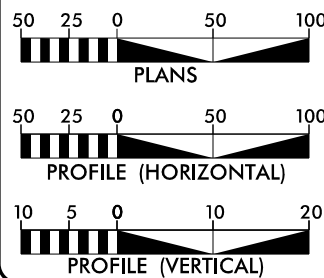
BEGIN TIP PROJECT I-3311C

I-277
(BROOKSHIRE FWY.)



PRELIMINARY PLANS
DO NOT USE FOR CONSTRUCTION

GRAPHIC SCALES



DESIGN DATA

ADT
ADT

FUNC CLASS =
PRINCIPAL ARTERIAL

PROJECT LENGTH

Prepared In the Office of:
LOUIS BERGER

1000 Wade Ave, Suite 400, Raleigh NC, 27605

2006 STANDARD SPECIFICATIONS

RIGHT OF WAY DATE:

LETTING DATE:

PROJECT ENGINEER

PROJECT DESIGN ENGINEER

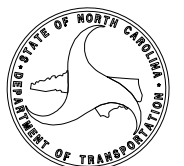
HYDRAULICS ENGINEER

SIGNATURE: P.E.

ROADWAY DESIGN
ENGINEER

SIGNATURE: P.E.

DIVISION OF HIGHWAYS
STATE OF NORTH CAROLINA



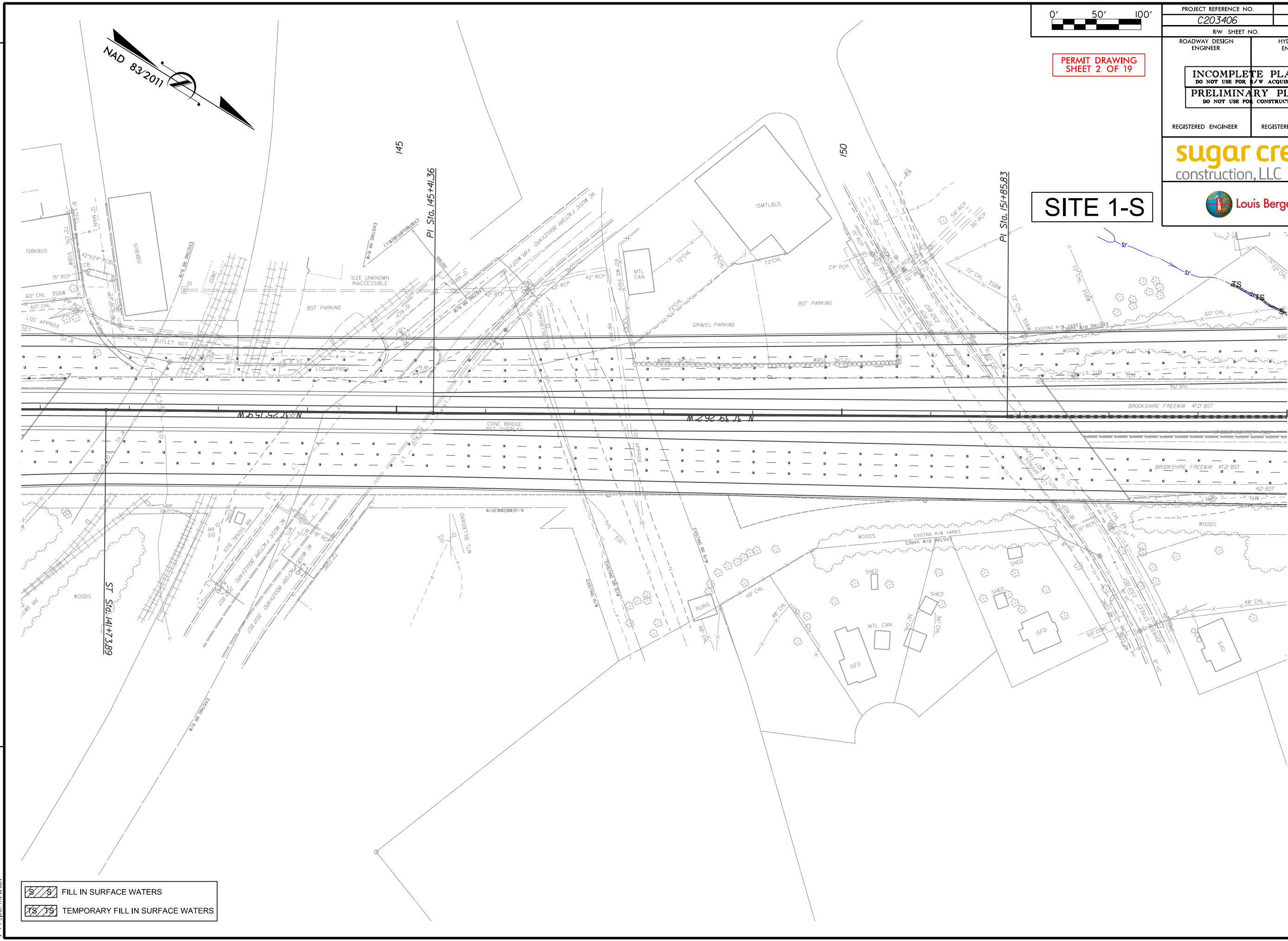
STATE HIGHWAY DESIGN ENGINEER P.E.

0'50'100'

PERMIT DRAWING
SHEET 2 OF 19

SITE 1-S

PROJECT REFERENCE NO. C203406		SHEET NO. 7
RW SHEET NO.		
ROADWAY DESIGN ENGINEER	HYDRAULICS ENGINEER	
INCOMPLETE PLANS DO NOT USE FOR A/W ACQUISITION		
PRELIMINARY PLANS DO NOT USE FOR CONSTRUCTION		
REGISTERED ENGINEER	REGISTERED ENGINEER	
sugar creek construction, LLC		
Louis Berger		



REVISIONS

	FILL IN SURFACE WATERS
	TEMPORARY FILL IN SURFACE WATERS

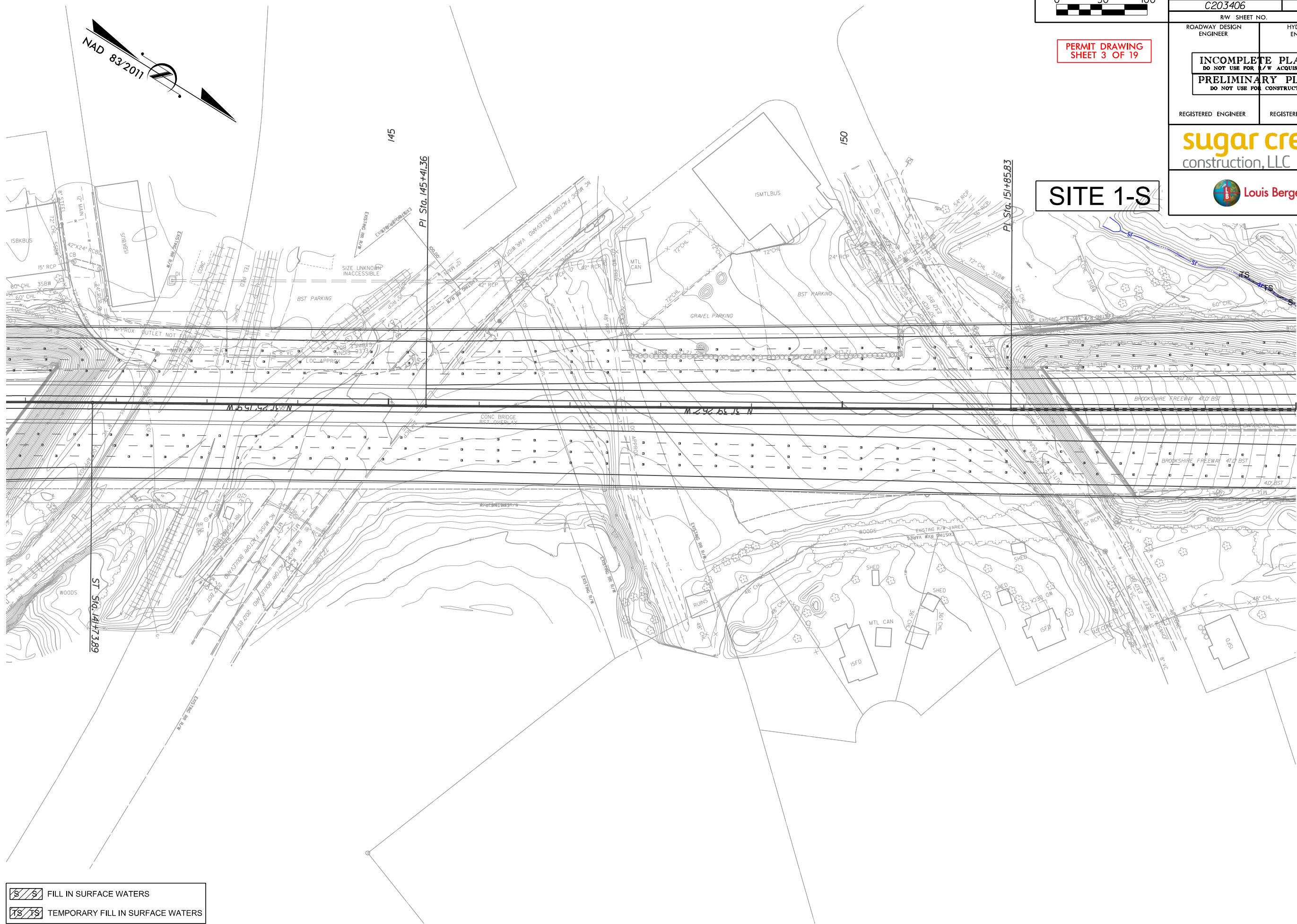
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PERMIT DRAWING
SHEET 3 OF 19

SITE 1-S

PROJECT REFERENCE NO. C203406		SHEET NO. 7	
RW SHEET NO.		HYDRAULICS ENGINEER	
ROADWAY DESIGN ENGINEER		REGISTERED ENGINEER	
INCOMPLETE PLANS DO NOT USE FOR A/W ACQUISITION		REGISTERED ENGINEER	
PRELIMINARY PLANS DO NOT USE FOR CONSTRUCTION		REGISTERED ENGINEER	
sugar creek construction, LLC			
Louis Berger			



	FILL IN SURFACE WATERS
	TEMPORARY FILL IN SURFACE WATERS

REVISIONS