North Carolina Department of Transportation

Highway Stormwater Program

STORMWATER MANAGEMENT PLAN

FOR NCDOT PROJECTS

(Version 3.00; Released August 2021)

General Project Information

WBS Element:	49067.1.2,49067.1.3 & 53079.2.1	**TIP Number:**	I-6064/I-5879	**Project Type:**	Roadway Widening	**Date:**	9/28/2022
NCDOT Contact:	James J. Rerko			**Contractor / Designer:**	ICE of Carolinas, PLLC / William Stephens, PE		
Address:	NCDOT Highway Divison 6 P.O. Box 1150 Fayetteville, NC 28302			**Address:**	4905 Falls of Neuse Road Suite 125 Raleigh, NC 27609		
Phone:	910-364-0693			**Phone:**	984-255-0410		
Email:	jjrerko@ncdot.gov			**Email:**	william.stephens@ice-eng.com		
City/Town:	Lumberton			**County(ies):**	Robeson		
River Basin(s):	Lumber			**CAMA County?**	No		
Wetlands within Project Limits?	Yes						

Project Description

Project Length (lin. miles or feet):	7.945 Mles	**Surrounding Land Use:**	Urban character along project corridor and a rural/residential character for areas outside of corridor				
	Proposed Project			**Existing Site**			
Project Built-Upon Area (ac.)	230.0	ac.		170.3	ac.		
Typical Cross Section Description:	Northbound Lanes - 4 @ 12' Lanes w/ Paved Shoulders & Median Barrier Wall Southbound Lanes - 4 @ 12' Lanes w/ Paved Shoulders & Median Barrier Wall			Northbound Lanes - 2 @ 12' Lanes w/ Paved Shoulders Southbound Lanes - 2 @ 12' Lanes w/ Paved Shoulders			
Annual Avg Daily Traffic (veh/hr/day):	Design/Future:	107800	Year: 2041	Existing:	71800	Year:	2021

General Project Narrative:
(Description of Minimization of Water Quality Impacts)

The project consists of the widening of I-95 from I-74 (Exit 13) To South of US 301 (Exit 22) from 2 lanes in each direction to 4 lanes in each direction. Several grade separated bridges will be replaced along the project corridor. The proposed stormwater runoff from the roadway widening has been conveyed to roadside ditches and storm drainage systems that drain to existing outfalls. Stormwater management is accomplished with proposed grassed lined ditches that discharge stormwater as far away from the stream and wetlands as practical. Many of the proposed grassed lined ditches along the project would meet grass swale criteria, even though it is not required for this project.

Impact and Minimization Efforts: The project has been designed to minimize wetland and stream impacts along the corridor. Drainage has been designed so that outlets discharging into wetlands have non-erosive velocities to minimize disturbance to the wetlands. Fill slopes have been steepened to 3:1 in areas where wetlands and streams have been impacted by the project. Box culverts in the project area that convey jurisdictional streams have been buried a minimum of 1 foot and circular culverts have been buried 20% of their diameter so that they provide aquatic passage.

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General Project Information

Waterbody Information

Surface Water Body (1):	Back Swamp		**NCDWR Stream Index No.:**	14-8-(2.5)		
NCDWR Surface Water Classification for Water Body		**Primary Classification:**	Class C			
		Supplemental Classification:	Swamp Waters (Sw)			
Other Stream Classification:	None					
Impairments:	None					
Aquatic T&E Species?	No	Comments:				
NRTR Stream ID:	Back Swamp			**Buffer Rules in Effect:**	N/A	
Project Includes Bridge Spanning Water Body?	No	**Deck Drains Discharge Over Buffer?**	N/A	**Dissipator Pads Provided in Buffer?**	N/A	
Deck Drains Discharge Over Water Body?	N/A	(If yes, provide justification in the General Project Narrative)		(If yes, describe in the General Project Narrative; if no, justify in the General Project Narrative)		
(If yes, provide justification in the General Project Narrative)						

Surface Water Body (2):	Fivemile Branch		**NCDWR Stream Index No.:**	14-12-6		
NCDWR Surface Water Classification for Water Body		**Primary Classification:**	Class C			
		Supplemental Classification:	Swamp Waters (Sw)			
Other Stream Classification:	None					
Impairments:	None					
Aquatic T&E Species?	No	Comments:				
NRTR Stream ID:	Fivemile Branch			**Buffer Rules in Effect:**	N/A	
Project Includes Bridge Spanning Water Body?	No	**Deck Drains Discharge Over Buffer?**	N/A	**Dissipator Pads Provided in Buffer?**	N/A	
Deck Drains Discharge Over Water Body?	N/A	(If yes, provide justification in the General Project Narrative)		(If yes, describe in the General Project Narrative; if no, justify in the General Project Narrative)		
(If yes, provide justification in the General Project Narrative)						

Surface Water Body (3):	Jacob Branch		**NCDWR Stream Index No.:**	14-17		
NCDWR Surface Water Classification for Water Body		**Primary Classification:**	Class C			
		Supplemental Classification:	Swamp Waters (Sw)			
Other Stream Classification:	None					
Impairments:	None					
Aquatic T&E Species?	No	Comments:				
NRTR Stream ID:	Jacob Branch			**Buffer Rules in Effect:**	N/A	
Project Includes Bridge Spanning Water Body?	No	**Deck Drains Discharge Over Buffer?**	N/A	**Dissipator Pads Provided in Buffer?**	N/A	
Deck Drains Discharge Over Water Body?	N/A	(If yes, provide justification in the General Project Narrative)		(If yes, describe in the General Project Narrative; if no, justify in the General Project Narrative)		
(If yes, provide justification in the General Project Narrative)						

North Carolina Department of Transportation

Highway Stormwater Program

STORMWATER MANAGEMENT PLAN

FOR NCDOT PROJECTS

(Version 3.00; Released August 2021)

WBS Element: 49067.1.2,49067.1.3 & 53079.2.1 **TIP No.:** I-6064/I-5879 **County(ies):** Robeson

Additional Waterbody Information

Surface Water Body (4):	Lumber River		**NCDWR Stream Index No.:**	14-(13)		
NCDWR Surface Water Classification for Water Body		**Primary Classification:**	Class C			
		Supplemental Classification:	Swamp Waters (Sw)			
Other Stream Classification:	Federal Wild and Scenic Rivers					
Impairments:	None					
Aquatic T&E Species?	No	Comments:				
NRTR Stream ID:	Lumber River			**Buffer Rules in Effect:**	N/A	
Project Includes Bridge Spanning Water Body?	Yes	**Deck Drains Discharge Over Buffer?**	N/A	**Dissipator Pads Provided in Buffer?**	N/A	
Deck Drains Discharge Over Water Body?	No	(If yes, provide justification in the General Project Narrative)		(If yes, describe in the General Project Narrative; if no, justify in the General Project Narrative)		
(If yes, provide justification in the General Project Narrative)						

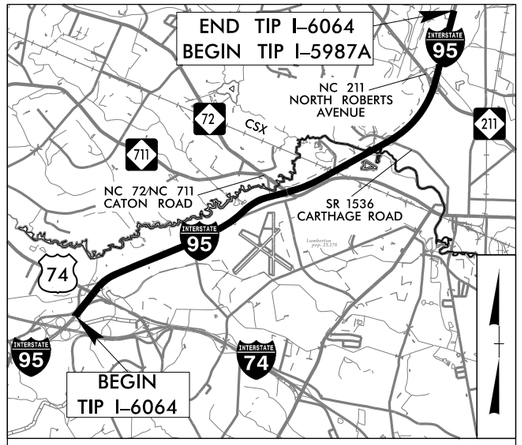
Surface Water Body (5):	Meadow Branch		**NCDWR Stream Index No.:**	14-12-6-2		
NCDWR Surface Water Classification for Water Body		**Primary Classification:**	Class C			
		Supplemental Classification:	Swamp Waters (Sw)			
Other Stream Classification:	None					
Impairments:	None					
Aquatic T&E Species?	No	Comments:				
NRTR Stream ID:	Meadow Branch			**Buffer Rules in Effect:**	N/A	
Project Includes Bridge Spanning Water Body?	No	**Deck Drains Discharge Over Buffer?**	N/A	**Dissipator Pads Provided in Buffer?**	N/A	
Deck Drains Discharge Over Water Body?	N/A	(If yes, provide justification in the General Project Narrative)		(If yes, describe in the General Project Narrative; if no, justify in the General Project Narrative)		
(If yes, provide justification in the General Project Narrative)						

Surface Water Body (6):	Saddletree Swamp		**NCDWR Stream Index No.:**	14-12		
NCDWR Surface Water Classification for Water Body		**Primary Classification:**	Class C			
		Supplemental Classification:	Swamp Waters (Sw)			
Other Stream Classification:	None					
Impairments:	None					
Aquatic T&E Species?	No	Comments:				
NRTR Stream ID:	Saddletree Swamp			**Buffer Rules in Effect:**	N/A	
Project Includes Bridge Spanning Water Body?	No	**Deck Drains Discharge Over Buffer?**	N/A	**Dissipator Pads Provided in Buffer?**	N/A	
Deck Drains Discharge Over Water Body?	N/A	(If yes, provide justification in the General Project Narrative)		(If yes, describe in the General Project Narrative; if no, justify in the General Project Narrative)		
(If yes, provide justification in the General Project Narrative)						

09/08/99

TIP PROJECT: I-6064/I-5879

CONTRACT: C204596



VICINITY MAP
(Not to Scale)

STATE OF NORTH CAROLINA
DIVISION OF HIGHWAYS

ROBESON COUNTY

STATE	STATE PROJECT REFERENCE NO.	SHEET NO.	TOTAL SHEETS
N.C.	I-6064I-5879	3	

STATE PROJ. NO.	F. A. PROJ. NO.	DESCRIPTION
49067.1.2, 49067.1.3, & 53079.2.1		PE
49067.2.5, 49067.2.6, & 53079.2.1		ROW
49067.2.5, & 49067.2.6		UTIL.
49067.3.1, 49067.3.2, & 49067.3.3		CONST.

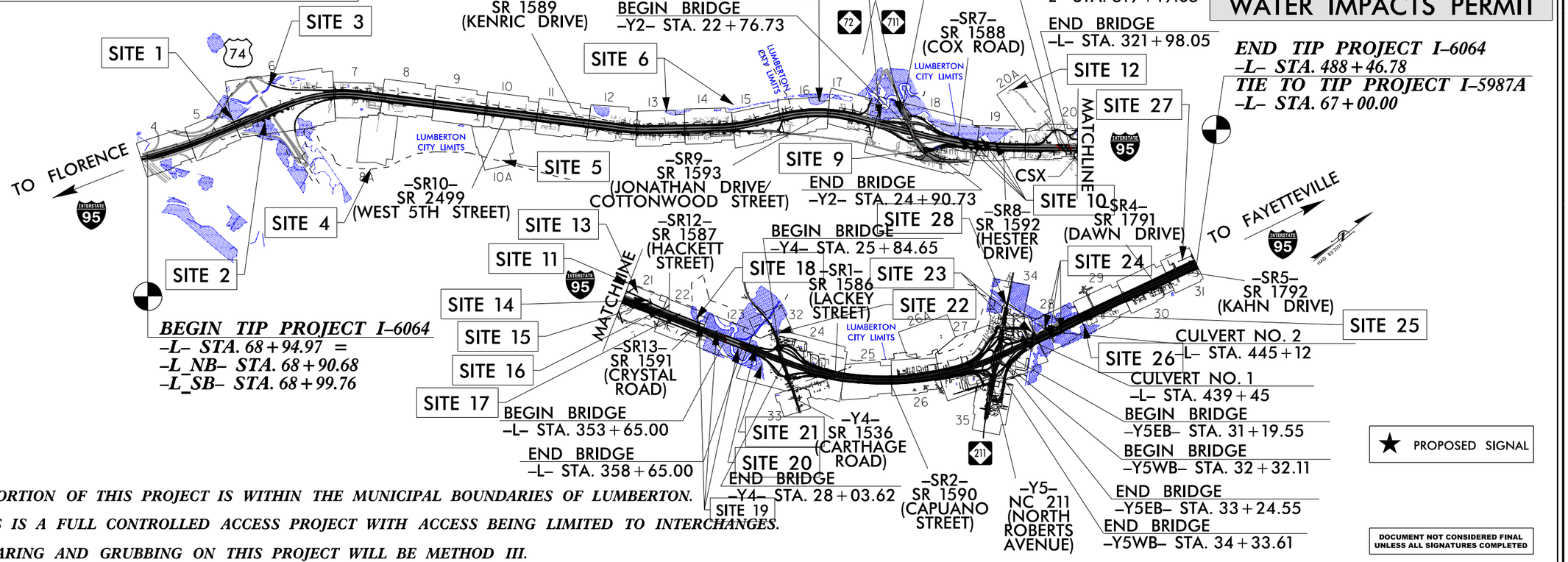
PERMIT DRAWING
SHEET 1 OF 79

LOCATION: *I-95 WIDENING AND PAVEMENT REHABILITATION FROM I-74 (EXIT 13) TO SOUTH OF US 301 (EXIT 22) AND I-95/SR 1536 INTERCHANGE IMPROVEMENTS*

TYPE OF WORK: *GRADING, PAVING, DRAINAGE, CULVERTS, STRUCTURES PAVEMENT MARKINGS, SIGNING, SIGNALS, ITS, NOISE WALLS, AND RETAINING WALLS*



WETLAND AND SURFACE WATER IMPACTS PERMIT



A PORTION OF THIS PROJECT IS WITHIN THE MUNICIPAL BOUNDARIES OF LUMBERTON.

THIS IS A FULL CONTROLLED ACCESS PROJECT WITH ACCESS BEING LIMITED TO INTERCHANGES.

CLEARING AND GRUBBING ON THIS PROJECT WILL BE METHOD III.

DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED

GRAPHIC SCALES

PLANS: 50 25 0 50 100

PROFILE (HORIZONTAL): 50 25 0 50 100

PROFILE (VERTICAL): 20 10 0 10 20

DESIGN DATA

ADT 2021 = 71,800
ADT 2041 = 107,800
K = 6.5%
D = 60 %
T = 14% *
V = 75 MPH
* TTST = 11% DUAL = 3%
FUNC CLASS = INTERSTATE STATEWIDE TIER

PROJECT LENGTH

LENGTH ROADWAY TIP PROJECT I-6064 = 7.783 MILES
LENGTH STRUCTURE TIP PROJECT I-6064 = 0.162 MILES
TOTAL LENGTH TIP PROJECT I-6064 = 7.945 MILES

Prepared In the Office of:
ICE of CAROLINAS, PLLC
ICE of Carolinas, PLLC
4505 Falls of Neuse Road, Suite 110
Raleigh, North Carolina 27609
Phone: 803-802-0333
License #: P-0995

Prepared for:
NCDOT DIVISION OF HIGHWAYS
1000 Birch Ridge Dr., Raleigh NC 27610

2018 STANDARD SPECIFICATIONS

RIGHT OF WAY DATE: 9/21/2021

LETTING DATE: 9/21/2021

BRIAN LUSK, PE
PROJECT ENGINEER

DAN DUFFIELD, PE
NCDOT CONTACT

HYDRAULICS ENGINEER

SIGNATURE: P.E.

ROADWAY DESIGN ENGINEER

SIGNATURE: P.E.

STATE OF NORTH CAROLINA • DEPARTMENT OF TRANSPORTATION •

8/2/2022
S:\Workingdir\pw.ice-eng.com_ice-eng-pw-01\kevin.alford\dms19827\I-6064_hyd_prm_TSH.dgn
USER: KAlford

8/17/99

FLATIRON UNITED INFRASTRUCTURE GROUP

ICE of CAROLINAS, PLLC

ICE of Carolinas, PLLC
4505 Falls of Neuse Road, Suite 110
Raleigh, North Carolina 27609
Phone: 803-822-0333
License #: P-0999

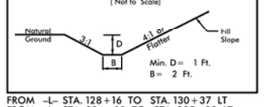
PROJECT REFERENCE NO.	SHEET NO.
I-6064/I-5879	2D-1
RW SHEET NO.	

HYDRAULICS ENGINEER

DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED

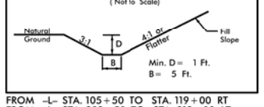
PERMIT DRAWING SHEET 2 OF 79

DETAIL A
SPECIAL LATERAL BASE DITCH
(Not to Scale)



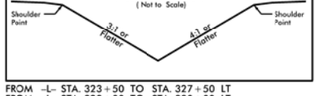
FROM –L– STA. 128+16 TO STA. 130+37 LT
FROM –L– STA. 234+00 TO STA. 235+89 LT
FROM –L– STA. 236+14 TO STA. 242+88 RT
FROM –L– STA. 274+00 TO STA. 276+00 RT
FROM –L– STA. 282+00 TO STA. 285+00 RT
FROM –SR6– STA. 24+88 TO STA. 26+85 LT
FROM –SR6– STA. 32+66 TO STA. 34+37 LT
FROM –SR6– STA. 34+37 TO STA. 34+97 LT
FROM –SR6– STA. 35+36 TO STA. 41+34 LT
FROM –SR6– STA. 41+34 TO STA. 47+15 LT
FROM –SR6– STA. 47+15 TO STA. 60+72 LT
FROM –SR6– STA. 80+06 TO STA. 84+66 LT
FROM –SR6– STA. 86+87 TO STA. 88+74 LT
FROM –SR6– STA. 106+88 TO STA. 109+14 LT
FROM –SR6– STA. 118+30 TO STA. 130+16 LT
FROM –SR6– STA. 156+00 TO STA. 159+77 LT
FROM –SR6– STA. 161+00 TO STA. 174+50 LT
FROM –SR7– STA. 32+50 TO STA. 34+00 LT
FROM –SR8– STA. 25+85 TO STA. 26+85 RT
FROM –SR8– STA. 33+80 TO STA. 36+00 RT
FROM –SR9– STA. 20+32 TO STA. 23+00 RT
FROM –SR9– STA. 23+07 TO STA. 27+72 RT
FROM –SR9– STA. 10+34 TO STA. 12+72 LT
FROM –SR9– STA. 13+60 TO STA. 17+81 RT
FROM –SR9– STA. 20+32 TO STA. 23+00 RT
FROM –SR9– STA. 23+07 TO STA. 38+00 RT
FROM –SR10– STA. 20+72 TO STA. 24+14 RT
FROM –SR10– STA. 31+55 TO STA. 34+12 RT
FROM –SR10– STA. 35+32 TO STA. 38+40 RT
FROM –SR10– STA. 44+19 TO STA. 56+43 RT
FROM –SR10– STA. 76+62 TO STA. 86+37 RT
FROM –SR10– STA. 91+88 TO STA. 96+33 RT
FROM –SR10– STA. 102+08 TO STA. 105+20 RT
FROM –SR10– STA. 105+30 TO STA. 109+45 RT
FROM –SR10– STA. 119+35 TO STA. 134+35 RT
FROM –SR10– STA. 135+58 TO STA. 139+90 RT
FROM –SR10– STA. 140+05 TO STA. 145+43 LT
FROM –SR12– STA. 10+40 TO STA. 16+00 LT
FROM –SR12– STA. 10+50 TO STA. 11+00 RT
FROM –SR13– STA. 15+88 TO STA. 17+85 RT
FROM –SR2– STA. 29+06 TO STA. 35+65 RT
FROM –Y2RPC– STA. 10+50 TO STA. 20+70 RT
FROM –Y2RPD– STA. 19+25 TO STA. 21+10 LT

DETAIL B
SPECIAL LATERAL BASE DITCH
(Not to Scale)



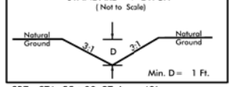
FROM –L– STA. 105+50 TO STA. 119+00 RT
FROM –L– STA. 302+50 TO STA. 312+00 LT
FROM –SR6– STA. 26+85 TO STA. 32+15 LT
FROM –SR6– STA. 60+72 TO STA. 80+06 LT
FROM –SR6– STA. 90+52 TO STA. 106+88 LT
FROM –SR6– STA. 137+15 TO STA. 141+85 LT
FROM –SR6– STA. 143+00 TO STA. 150+49 LT
FROM –SR6– STA. 150+54 TO STA. 155+77 LT
FROM –SR10– STA. 25+12 TO STA. 30+29 RT
FROM –SR10– STA. 38+80 TO STA. 44+19 RT
FROM –SR10– STA. 56+43 TO STA. 76+62 RT
FROM –SR10– STA. 96+33 TO STA. 102+08 RT
FROM –SR10– STA. 114+80 TO STA. 115+97 RT

DETAIL C
MEDIAN 'V' DITCH
(Not to Scale)



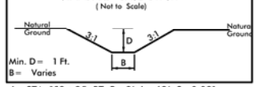
FROM –L– STA. 323+50 TO STA. 327+50 LT
FROM –L– STA. 328+00 TO STA. 330+00 LT
FROM –L– STA. 331+00 TO STA. 336+00 LT
FROM –L– STA. 339+50 TO STA. 346+05 LT
FROM –L– STA. 426+50 TO STA. 427+00 LT

DETAIL D
STANDARD 'V' DITCH
(Not to Scale)



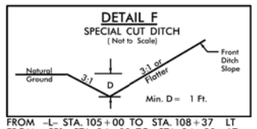
–SR7– STA. 55+00 RT, L= 40'
–SR9– STA. 11+00 RT, L= 30'
–SR9– STA. 11+00 RT, L= 30'
–Y4RPC– STA. 20+90 TO 21+96 RT, L= 106'

DETAIL E
STANDARD BASE DITCH
(Not to Scale)



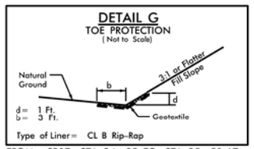
–L– STA. 133+25 RT, B=8', L=62', S=0.031
–L– STA. 133+35 RT, B=8', L=703', S=0.001
–L– STA. 135+16 RT, B=8', L=215', S=0.002
–SR1– STA. 32+50 LT, B=5', L=150', S=0.001
–SR1– STA. 37+50 LT, B=5', L=185', S=0.001
–SR6– STA. 102+58 LT, B=8', L=158', S=0.001
–SR6– STA. 118+30 LT, B=8', L=384', S=0.001
–SR6– STA. 137+15 LT, B=8', L=453', S=0.001
–SR6– STA. 172+00 RT, B=5', L=140', S=0.003
–SR7– STA. 39+75 TO 50+50 LT, B=5', L=1570', S=0.001
–SR7– STA. 50+25 LT, B=2', L=40', S=0.0148
–SR7– STA. 50+50 TO 52+50 RT, B=5', L=140', S=0.002
–SR10– STA. 66+19 RT, B=8', L=1278', S=0.0017
–SR12– STA. 29+00 LT, B=2', L=36', S=0.010
–Y1RPA– STA. 23+50 RT, B=3', L=70', S=0.02

DETAIL F
SPECIAL CUT DITCH
(Not to Scale)



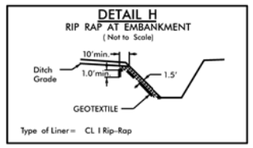
FROM –L– STA. 105+00 TO STA. 108+37 LT
FROM –SR1– STA. 24+00 TO STA. 24+90 LT
FROM –SR1– STA. 42+77 TO STA. 44+45 LT
FROM –SR2– STA. 37+67 TO STA. 39+75 RT
FROM –SR2– STA. 40+05 TO STA. 44+38 RT
FROM –SR2– STA. 44+82 TO STA. 47+00 RT
FROM –SR2– STA. 48+50 TO STA. 49+50 RT
FROM –SR4– STA. 16+58 TO STA. 18+50 LT
FROM –SR4– STA. 23+24 TO STA. 25+50 LT
FROM –SR4– STA. 37+77 TO STA. 40+40 LT
FROM –SR4– STA. 40+40 TO STA. 42+50 LT
FROM –SR4– STA. 47+65 TO STA. 50+75 LT
FROM –SR5– STA. 74+14 TO STA. 79+45 RT
FROM –Y5RPA– STA. 17+11 TO STA. 21+91 RT
FROM –SR8A– STA. 10+62 TO STA. 13+75 RT
FROM –SR10– STA. 140+55 TO STA. 145+77 RT
FROM –SR13– STA. 23+94 TO STA. 27+44 LT

DETAIL G
TOE PROTECTION
(Not to Scale)

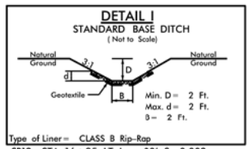


FROM –SR07– STA. 24+35 TO STA. 25+50 LT
FROM –SR07– STA. 26+20 TO STA. 28+38 LT
FROM –SR07– STA. 28+85 TO STA. 29+70 LT
FROM –Y2– STA. 17+65 TO STA. 19+05 RT
FROM –Y2RPB– STA. 11+30 TO STA. 16+85 LT
FROM –Y4– STA. 18+50 TO STA. 20+25 LT
FROM –Y4– STA. 18+50 TO STA. 20+25 LT
FROM –Y4RPB– STA. 13+45 TO STA. 14+53 LT

DETAIL H
RIP RAP AT EMBANKMENT
(Not to Scale)

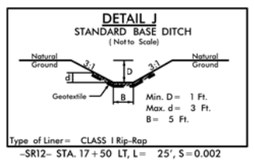


DETAIL I
STANDARD BASE DITCH
(Not to Scale)



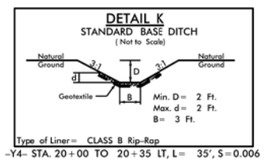
–SR12– STA. 16+85 LT, L= 30', S=0.002

DETAIL J
STANDARD BASE DITCH
(Not to Scale)



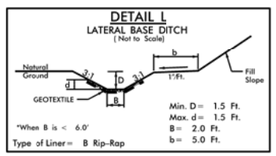
–SR12– STA. 17+50 LT, L= 25', S=0.002

DETAIL K
STANDARD BASE DITCH
(Not to Scale)

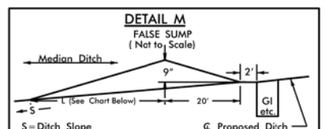


–Y4– STA. 20+00 TO 20+35 LT, L= 35', S=0.006

DETAIL L
LATERAL BASE DITCH
(Not to Scale)



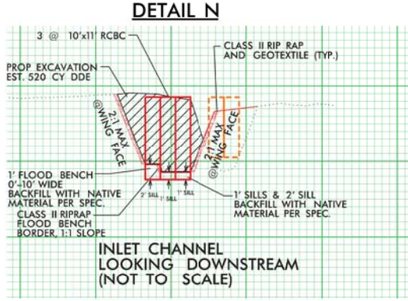
DETAIL M
FALSE SUMP
(Not to Scale)



Ditch Grade	L	Ditch Grade	L
0.0% To 2.0%	20'	Over 4.0% To 6.0%	40'
Over 2.0% To 4.0%	30'	Over 6.0%	50'

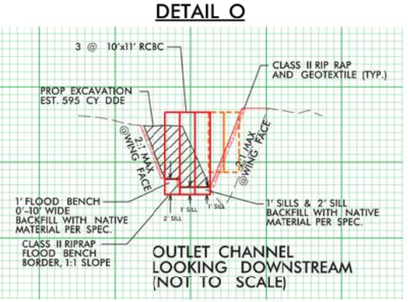
SEE PLANS FOR LOCATIONS

DETAIL N



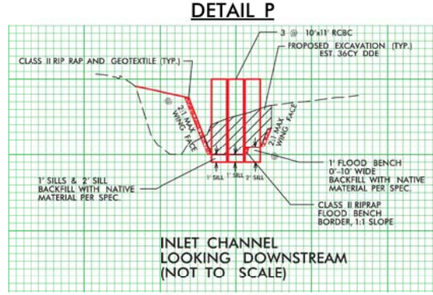
STA. –SR5– 30+00 RT

DETAIL O



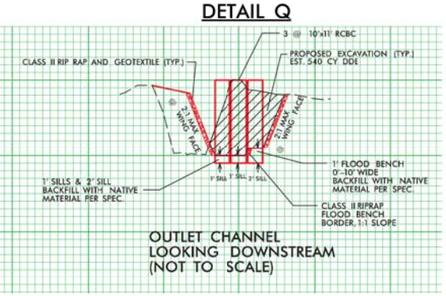
STA. –SR4– 19+48 LT

DETAIL P



STA. –SR5– 37+60 RT

DETAIL Q



STA. –SR4– 23+10 LT

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FLATIRON UNITED INFRASTRUCTURE GROUP

ICE of CAROLINAS, PLLC
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Phone: 803-822-0333
License #: P-0999

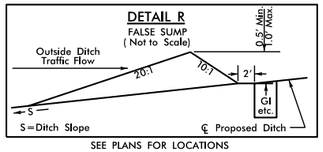
PROJECT REFERENCE NO.	SHEET NO.
I-6064/I-5879	2D-2
RW SHEET NO.	

HYDRAULICS ENGINEER

DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED

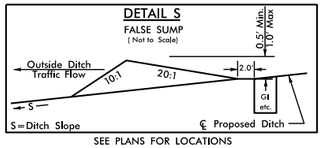
PERMIT DRAWING SHEET 3 OF 79

DETAIL R
FALSE SUMP
(Not to Scale)



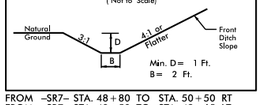
SEE PLANS FOR LOCATIONS

DETAIL S
FALSE SUMP
(Not to Scale)



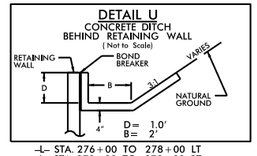
SEE PLANS FOR LOCATIONS

DETAIL T
SPECIAL CUT BASE DITCH
(Not to Scale)



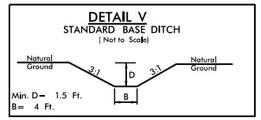
FROM –SR7– STA. 48+80 TO STA. 50+50 RT
FROM –SR7– STA. 48+50 TO STA. 49+65 LT
FROM –SR7– STA. 55+00 TO STA. 59+00 LT
FROM –SR8– STA. 20+28 TO STA. 20+60 RT
FROM –SR8– STA. 22+00 TO STA. 24+00 RT
FROM –SR8– STA. 36+00 TO STA. 38+00 RT
FROM –SR2– STA. 21+45 TO STA. 27+88 RT
FROM –SR2– STA. 35+65 TO STA. 37+62 RT
FROM –Y4RPC– STA. 16+06 TO STA. 16+50 RT
FROM –Y4RPB– STA. 16+00 TO STA. 17+00 LT

DETAIL U
CONCRETE DITCH
BEHIND RETAINING WALL
(Not to Scale)



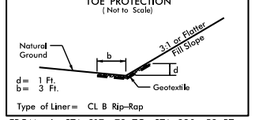
–L– STA. 276+00 TO 278+00 LT
–L– STA. 278+30 TO 279+00 RT
–L– STA. 279+00 TO 279+91 LT
–L– STA. 280+20 TO 281+46 RT
–L– STA. 315+70 TO 316+80 LT
–L– STA. 367+45 TO 368+70 LT
–L– STA. 369+39 TO 369+96 RT
–L– STA. 369+40 TO 369+96 LT
–L– STA. 370+73 TO 372+02 RT
–SR7– STA. 47+00 TO 48+78 RT

DETAIL V
STANDARD BASE DITCH
(Not to Scale)



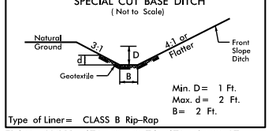
–L– STA. 317+60 RT, L=40', S=0.015
–SR7– STA. 31+40 LT, L=95', S=0.003

DETAIL W
TOE PROTECTION
(Not to Scale)



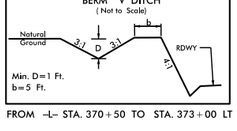
FROM –L– STA. 317+73 TO STA. 320+53 RT
FROM –SR04– STA. 27+65 TO STA. 29+70 LT
FROM –SR04– STA. 29+85 TO STA. 32+95 LT
FROM –SR05– STA. 32+65 TO STA. 36+21 RT

DETAIL X
SPECIAL CUT BASE DITCH
(Not to Scale)



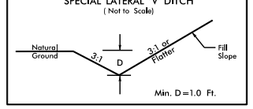
FROM –Y4RPB– STA. 14+50 TO STA. 16+00 LT

Y
BERM 'V' DITCH
(Not to Scale)



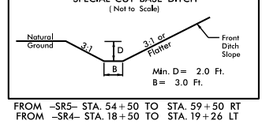
FROM –L– STA. 370+50 TO STA. 373+00 LT

DETAIL AA
SPECIAL LATERAL 'V' DITCH
(Not to Scale)



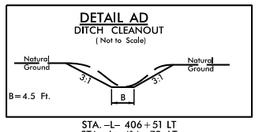
FROM –SR1– STA. 15+50 TO STA. 17+58 LT
FROM –SR1– STA. 18+35 TO STA. 19+40 LT
FROM –SR1– STA. 45+20 TO STA. 46+75 LT
FROM –Y5RPC– STA. 18+50 TO STA. 21+50 RT
FROM –SR5– STA. 30+16 TO STA. 32+65 RT

DETAIL AB
SPECIAL CUT BASE DITCH
(Not to Scale)



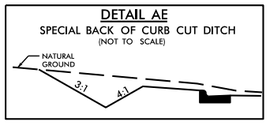
FROM –SR5– STA. 54+50 TO STA. 59+50 RT
FROM –SR4– STA. 18+50 TO STA. 19+26 LT

DETAIL AD
DITCH CLEANOUT
(Not to Scale)



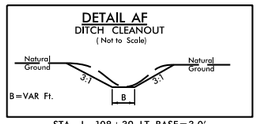
STA. –L– 406+51 LT
STA. –L– 414+72 LT

DETAIL AE
SPECIAL BACK OF CURB CUT DITCH
(NOT TO SCALE)



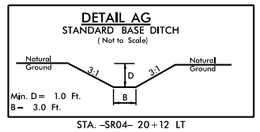
FROM –Y5– STA. 20+00 TO STA. 24+00 RT

DETAIL AF
DITCH CLEANOUT
(Not to Scale)



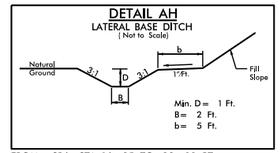
STA. –L– 108+39 LT, BASE=3.0'
STA. –L– 112+18 LT, BASE=5.0'
STA. –L– 253+80 LT, BASE=10.0'
STA. –SR01– 49+28 LT, BASE=4.5'
STA. –SR01– 57+29 LT, BASE=4.5'
STA. –SR04– 64+28 LT, BASE=10.0'
STA. –SR05– 41+10 RT, BASE=4.0'
STA. –SR09– 23+10 RT, BASE=10.0'
STA. –SR12– 28+40 LT, BASE=5.0'

DETAIL AG
STANDARD BASE DITCH
(Not to Scale)



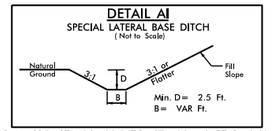
STA. –SR04– 20+12 LT

DETAIL AH
LATERAL BASE DITCH
(Not to Scale)



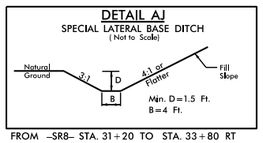
FROM –SR6– STA. 16+85 TO 23+00 RT
FROM –SR12– STA. 18+75 TO STA. 19+25 LT
FROM –SR12– STA. 20+25 TO STA. 21+00 LT
FROM –SR12– STA. 24+86 TO STA. 28+35 LT
FROM –SR12– STA. 31+87 TO STA. 32+90 LT
FROM –Y2RPD– STA. 19+35 TO STA. 21+50 RT
FROM –Y4– STA. 21+30 TO STA. 22+38 RT
FROM –Y4RPB– STA. 17+00 TO STA. 19+53 LT

DETAIL AI
SPECIAL LATERAL BASE DITCH
(Not to Scale)



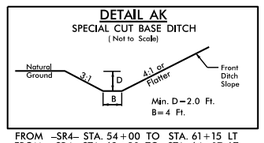
FROM –SR5– STA. 26+83.5 TO STA. 29+42 RT, B=3.0'
FROM –SR5– STA. 41+11 TO STA. 46+00 RT, B=4.0'
FROM –SR5– STA. 49+70 TO STA. 51+10 RT, B=4.0'

DETAIL AJ
SPECIAL LATERAL BASE DITCH
(Not to Scale)



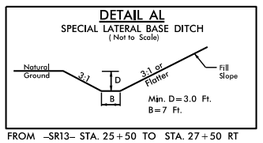
FROM –SR8– STA. 31+20 TO STA. 33+80 RT

DETAIL AK
SPECIAL CUT BASE DITCH
(Not to Scale)



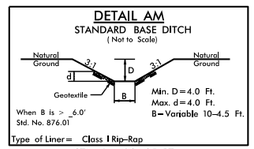
FROM –SR4– STA. 54+00 TO STA. 61+15 LT
FROM –SR4– STA. 62+30 TO STA. 64+17 LT
FROM –SR13– STA. 17+85 TO STA. 20+88 RT

DETAIL AL
SPECIAL LATERAL BASE DITCH
(Not to Scale)



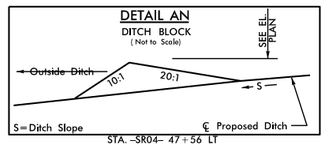
FROM –SR13– STA. 25+50 TO STA. 27+50 RT

DETAIL AM
STANDARD BASE DITCH
(Not to Scale)



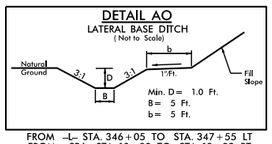
STA. –L– 406+35 RT

DETAIL AN
DITCH BLOCK
(Not to Scale)



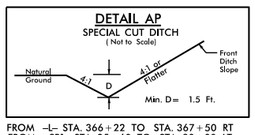
STA. –SR04– 47+56 LT

DETAIL AO
LATERAL BASE DITCH
(Not to Scale)



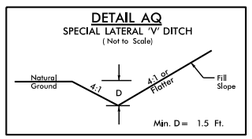
FROM –L– STA. 346+05 TO STA. 347+55 LT
FROM –SR6– STA. 10+80 TO STA. 13+22 RT
FROM –SR6– STA. 13+22 TO STA. 16+85 RT

DETAIL AP
SPECIAL CUT DITCH
(Not to Scale)



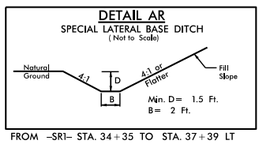
FROM –L– STA. 366+22 TO STA. 367+50 RT
FROM –SR1– STA. 25+60 TO STA. 30+00 LT
FROM –Y4RPC– STA. 16+06 TO STA. 22+00 LT
FROM –Y4RPA– STA. 20+68 TO STA. 22+17 RT
FROM –L– STA. 370+50 TO STA. 371+50 LT

DETAIL AQ
SPECIAL LATERAL 'V' DITCH
(Not to Scale)



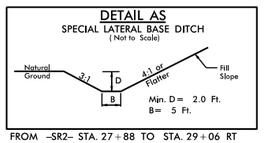
FROM –L– STA. 372+53 TO STA. 375+00 RT
FROM –SR1– STA. 30+00 TO STA. 32+70 LT
FROM –SR1– STA. 32+75 TO STA. 34+35 LT
FROM –SR1– STA. 37+44 TO STA. 42+00 LT

DETAIL AR
SPECIAL LATERAL BASE DITCH
(Not to Scale)



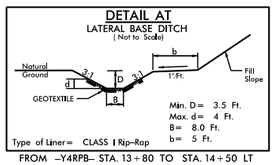
FROM –SR1– STA. 34+35 TO STA. 37+39 LT

DETAIL AS
SPECIAL LATERAL BASE DITCH
(Not to Scale)



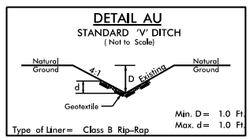
FROM –SR2– STA. 27+88 TO STA. 29+06 RT

DETAIL AT
LATERAL BASE DITCH
(Not to Scale)



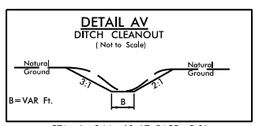
FROM –Y4RPB– STA. 13+80 TO STA. 14+50 LT

DETAIL AU
STANDARD 'V' DITCH
(Not to Scale)



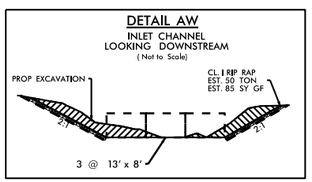
FROM –SR1– STA. 11+30 TO STA. 12+40 RT
(No Proposed Ditch Grade)

DETAIL AV
DITCH CLEANOUT
(Not to Scale)



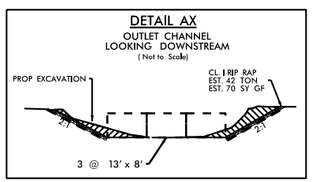
STA. –L– 244+60 LT, BASE=5.0'
STA. –SR09– 10+46 RT, BASE=6.0'

DETAIL AW
INLET CHANNEL
LOOKING DOWNSTREAM
(Not to Scale)



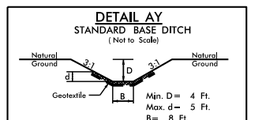
–Y5– STA. 18+50 LT

DETAIL AX
OUTLET CHANNEL
LOOKING DOWNSTREAM
(Not to Scale)



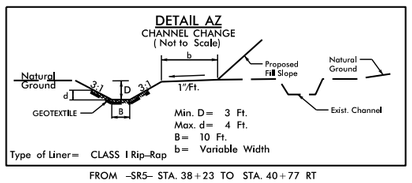
–Y5– STA. 18+06 RT

DETAIL AY
STANDARD BASE DITCH
(Not to Scale)



–SR10– 117+05 RT, B=8', L= 18', S=0.059
–Y4RPC– STA. 15+80 RT, L= 54', S=0.002

DETAIL AZ
CHANNEL CHANGE
(Not to Scale)



FROM –SR5– STA. 38+23 TO STA. 40+77 RT

8/2/2022
I:\6064_prm_Details_ICE.dgn
USER:kellford

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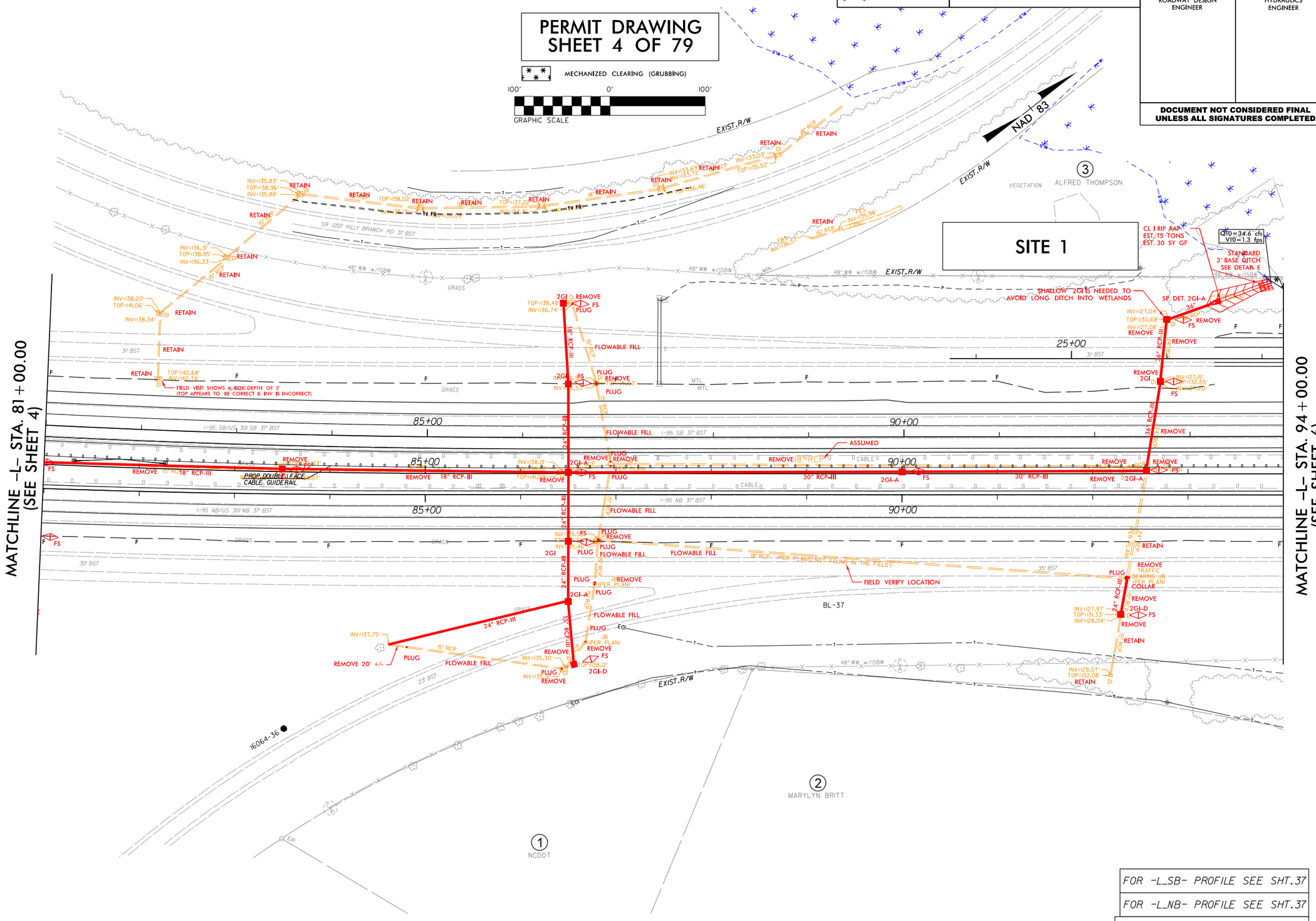
Phone: 803-822-0333
License #: P-0999

PROJECT REFERENCE NO.	SHEET NO.
I-6064/I-5879	5
R/W SHEET NO.	
ROADWAY DESIGN ENGINEER	HYDRAULICS ENGINEER

DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED

PERMIT DRAWING SHEET 4 OF 79



FOR -L_SB- PROFILE SEE SHT.37
FOR -L_NB- PROFILE SEE SHT.37
FOR -YIRPA- PROFILE SEE SHT.54

8/17/99

$DATE$ $TIME$
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PROJECT REFERENCE NO.	SHEET NO.
I-6064/I-5879	5
R/W SHEET NO.	
ROADWAY DESIGN ENGINEER	HYDRAULICS ENGINEER

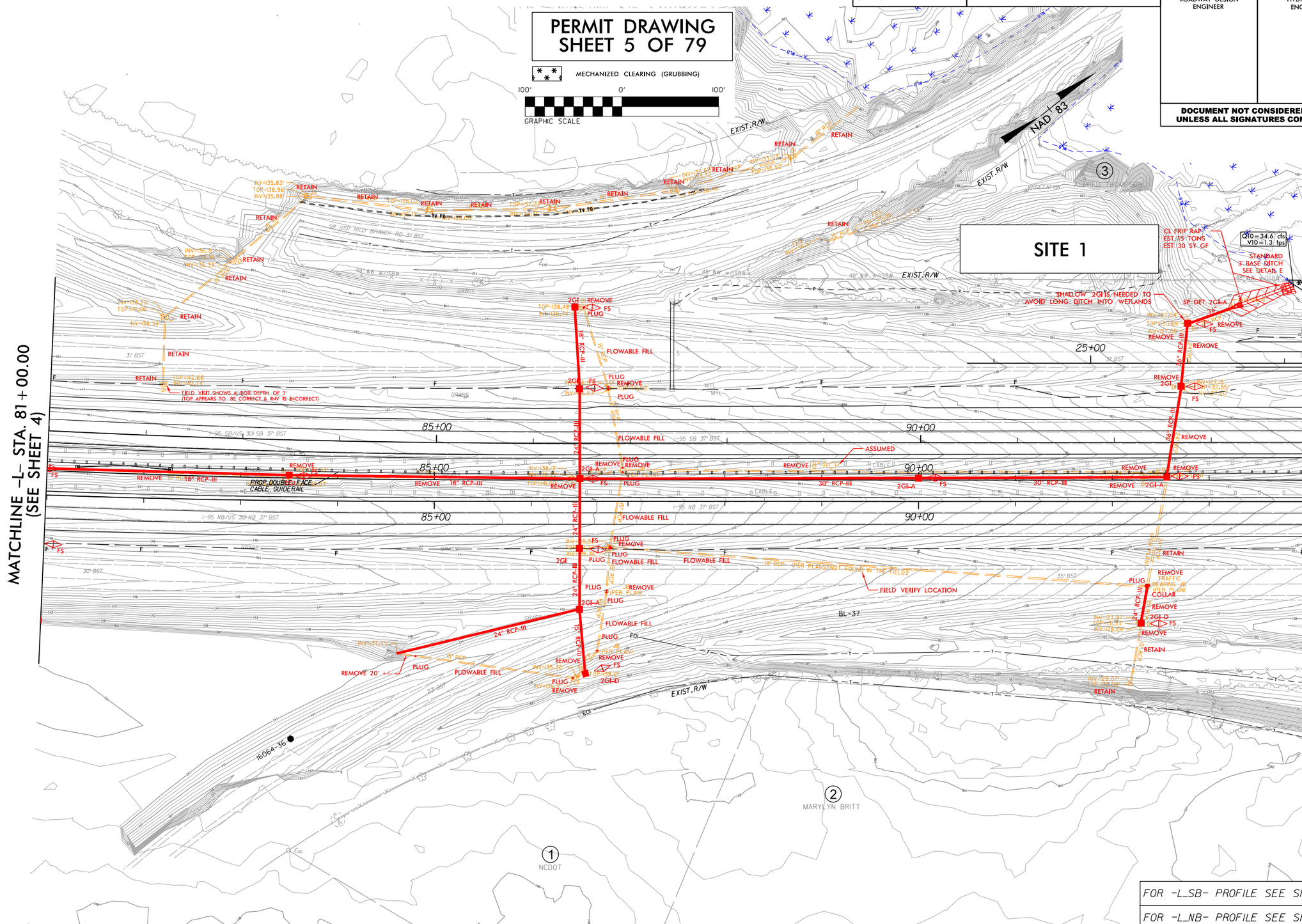
DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED

PERMIT DRAWING SHEET 5 OF 79

MECHANIZED CLEARING (GRUBBING)

100' 0' 100'

GRAPHIC SCALE



FOR -L_SB- PROFILE SEE SHT.37

FOR -L_NB- PROFILE SEE SHT.37

FOR -YIRPA- PROFILE SEE SHT.54

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$DATE$ $TIME$
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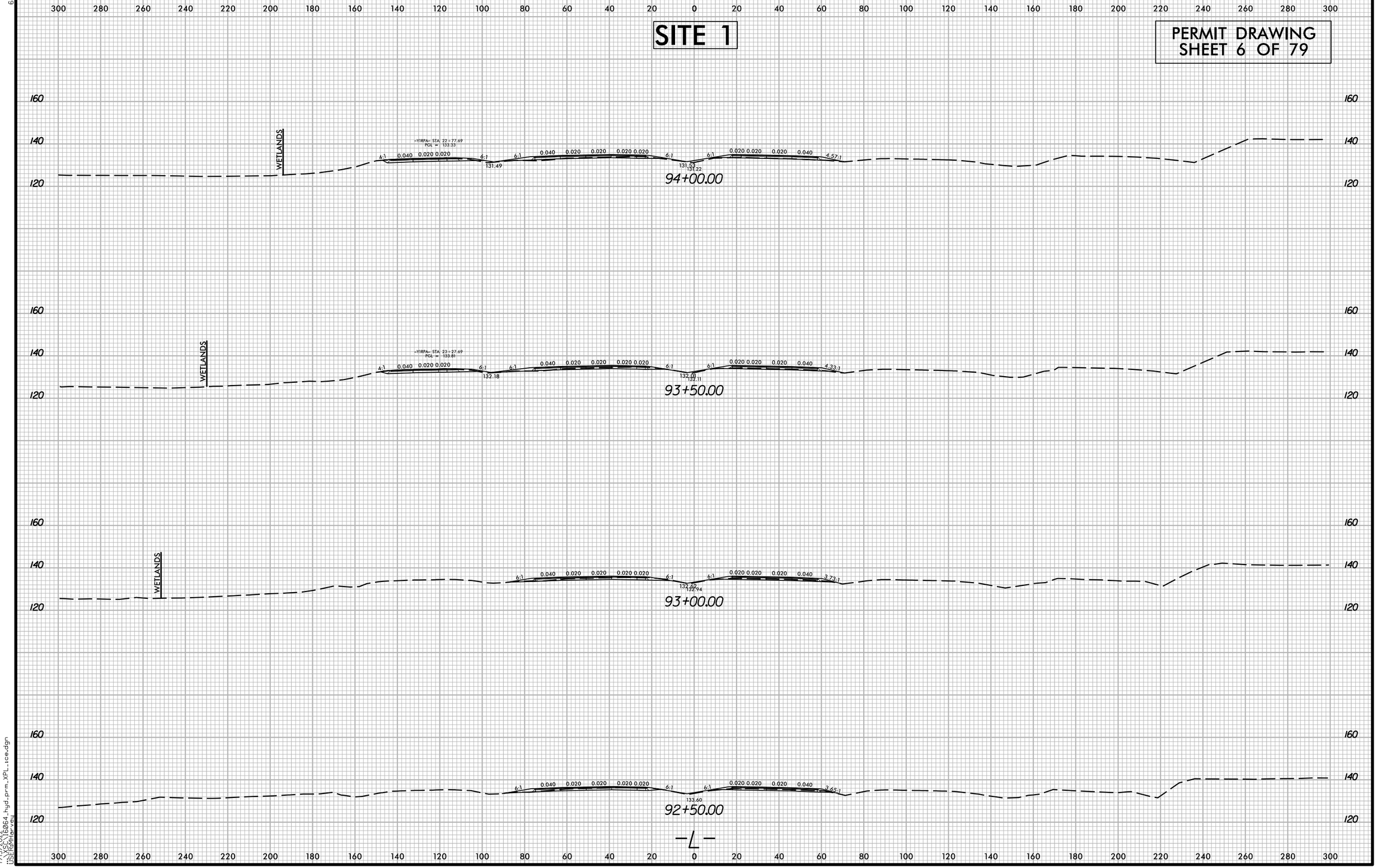
6/23/16

0 10 20	PROJ. REFERENCE NO.	SHEET NO.
	I-6064/I-5879	X-14

SITE 1

PERMIT DRAWING
SHEET 6 OF 79



7/13/2022
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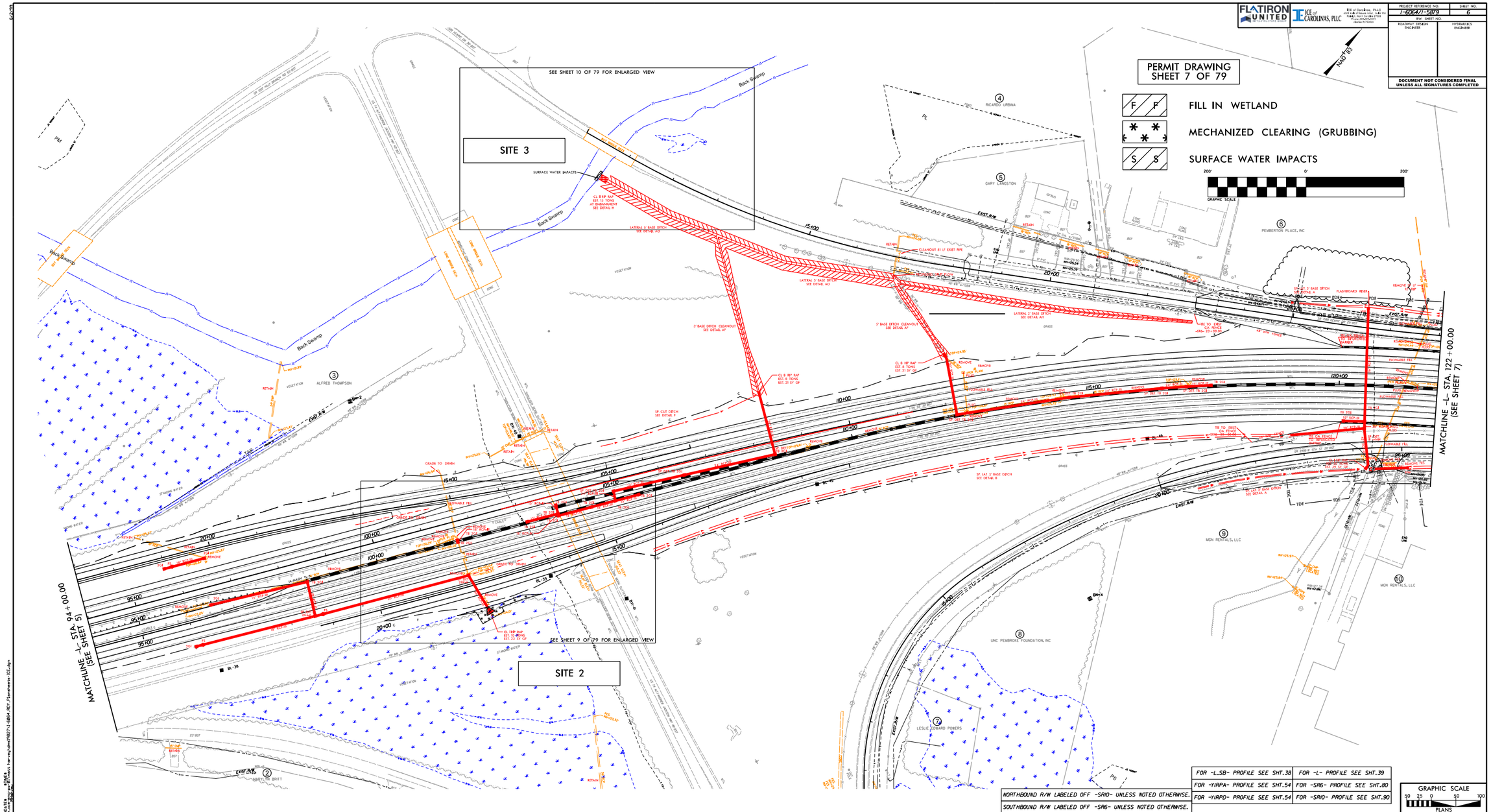
USERMHarvey



FOR -L_SB- PROFILE SEE SHT.38	FOR -L- PROFILE SEE SHT.39
FOR -YIRPA- PROFILE SEE SHT.54	FOR -SR6- PROFILE SEE SHT.80
FOR -YIRPD- PROFILE SEE SHT.54	FOR -SR10- PROFILE SEE SHT.90

NORTHBOUND R/W LABELED OFF -SR10- UNLESS NOTED OTHERWISE.

SOUTHBOUND R/W LABELED OFF -SR6- UNLESS NOTED OTHERWISE.

GRAPHIC SCALE
50 25 0 50 100
PLANS

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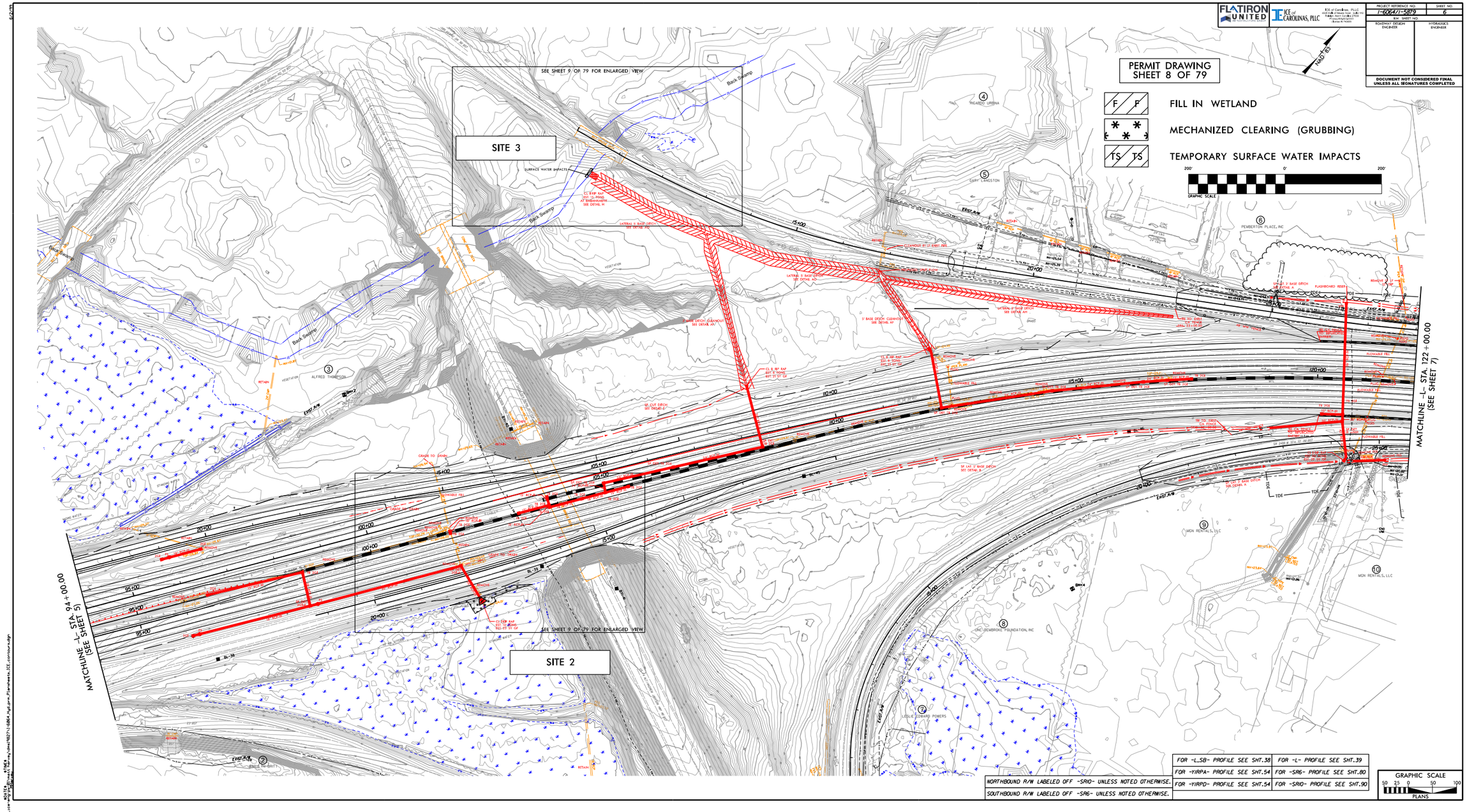
PROJECT REFERENCE NO.	SHEET NO.
I-6064/I-5879	6
R/W SHEET NO.	
ROADWAY DESIGN ENGINEER	HYDRAULICS ENGINEER

DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED

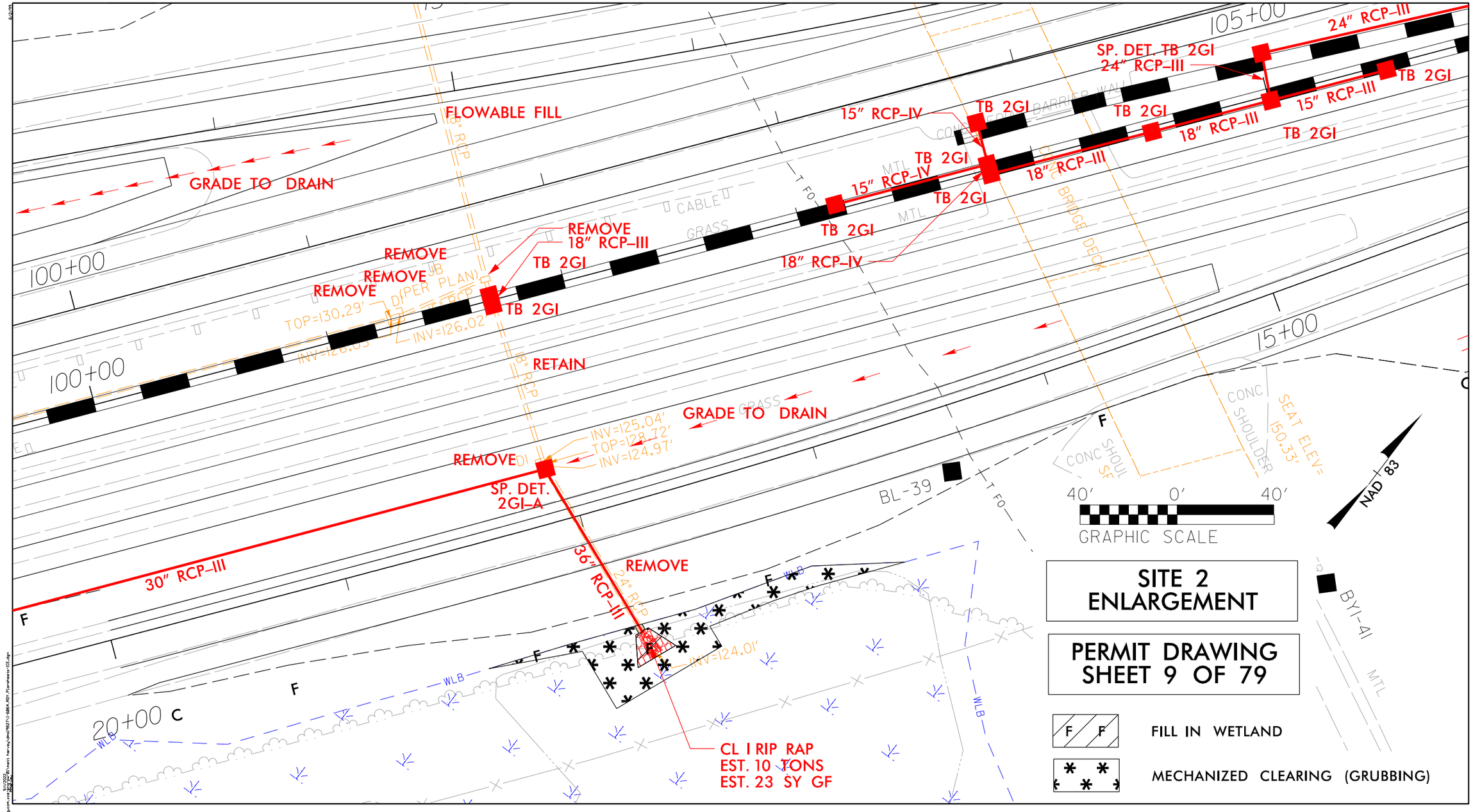


FOR -L_SB- PROFILE SEE SHT.38	FOR -L- PROFILE SEE SHT.39
FOR -YIRPA- PROFILE SEE SHT.54	FOR -SR6- PROFILE SEE SHT.80
FOR -YIRPD- PROFILE SEE SHT.54	FOR -SR10- PROFILE SEE SHT.90

NORTHBOUND R/W LABELED OFF -SR10- UNLESS NOTED OTHERWISE.

SOUTHBOUND R/W LABELED OFF -SR6- UNLESS NOTED OTHERWISE.

GRAPHIC SCALE
50 25 0 50 100
PLANS



FLOWABLE FILL
GRADE TO DRAIN
100+00
105+00
15+00
20+00
REMOVE
REMOVE
REMOVE
REMOVE
18" RCP-III
TB 2GI
TB 2GI
TB 2GI
TB 2GI
TB 2GI
TB 2GI
TB 2GI
TB 2GI
TB 2GI
15" RCP-IV
15" RCP-IV
18" RCP-IV
18" RCP-III
18" RCP-III
15" RCP-III
SP. DET. TB 2GI
24" RCP-III
24" RCP-III
RETAIN
GRADE TO DRAIN
REMOVE
SP. DET. 2GI-A
30" RCP-III
36" RCP-III
REMOVE
CL I RIP RAP
EST. 10 TONS
EST. 23 SY GF
TOP=130.29'
INV=126.02'
INV=125.04'
TOP=128.72'
INV=124.97'
INV=124.01'
BL-39
BYI-41
CONC BRIDGE DECK
CONC SHOULDER
SEAT ELEV= 150.33'
CABLE
GRASS
MTL
WLB
40' 0' 40'
GRAPHIC SCALE
NAD 83
SITE 2 ENLARGEMENT
PERMIT DRAWING SHEET 9 OF 79
FILL IN WETLAND
MECHANIZED CLEARING (GRUBBING)

40′ 0′ 40′

GRAPHIC SCALE

SITE 3 ENLARGEMENT

PERMIT DRAWING SHEET 10 OF 79

S S SURFACE WATER IMPACTS

NAD 83

BST BRIDGE DECK

JS

Back Sw

WLB

SURFACE WATER IMPACTS

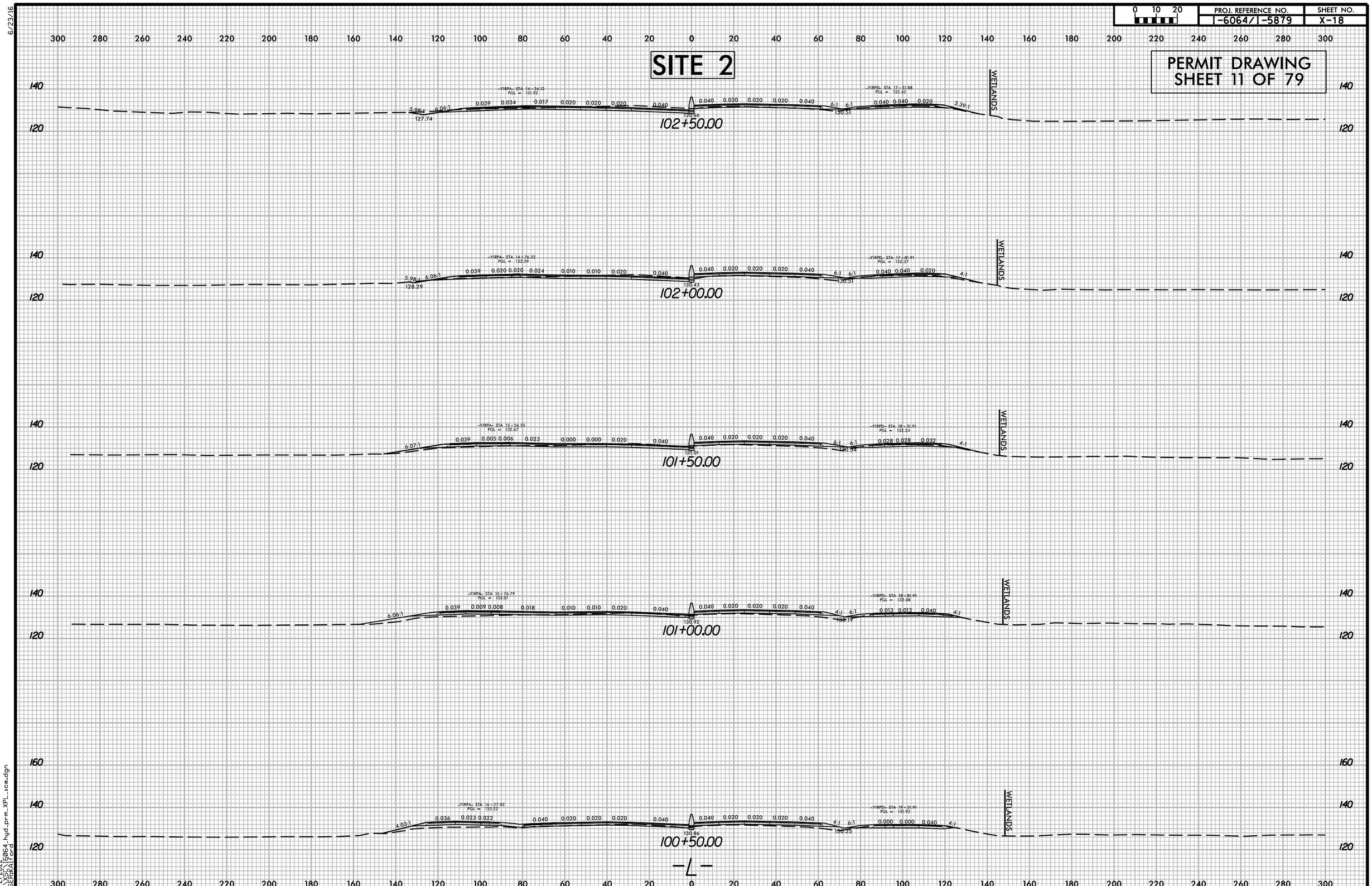
S

JS

Back Swamp

CL II RIP RAP
EST. 15 TONS
AT EMBANKMENT
SEE DETAIL H

LATERAL 5′ BASE DITCH



6/23/16

8/2/2022
...\XSC\I6064_hyd_prm_XPL_ice.dgn
USER:KAlford

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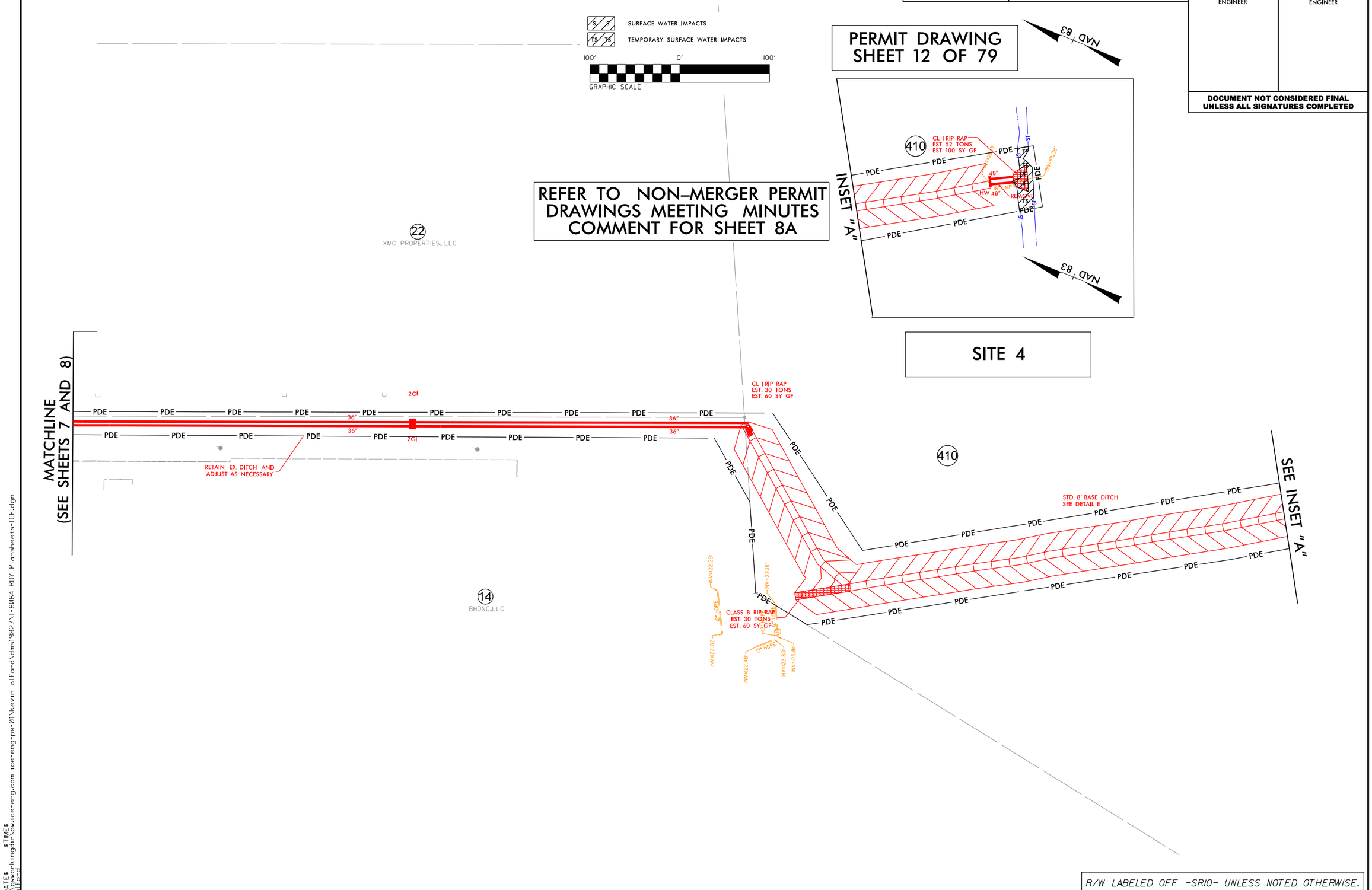
PROJECT REFERENCE NO.	SHEET NO.
I-6064/I-5879	8A
R/W SHEET NO.	
ROADWAY DESIGN ENGINEER	HYDRAULICS ENGINEER

DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED



R/W LABELED OFF -SRIO- UNLESS NOTED OTHERWISE.

8/17/99

$DATE$ $TIME$
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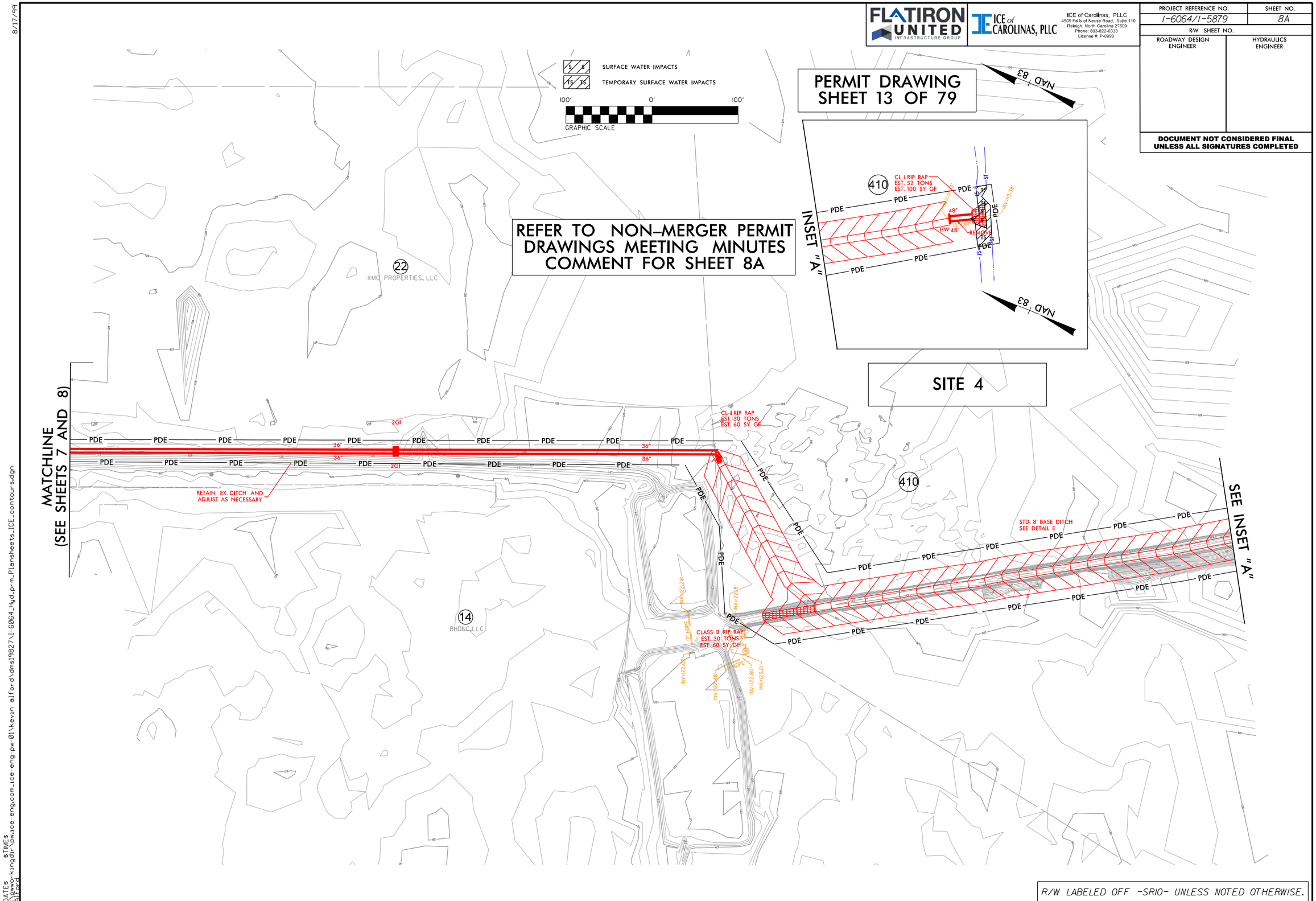
KAlford



8/17/99

$DATE$ $TIME$
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$DATE$ $TIME$
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Kaitlord

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PROJECT REFERENCE NO.	SHEET NO.
1-6064/1-5879	10A
R/W SHEET NO.	
ROADWAY DESIGN ENGINEER	HYDRAULICS ENGINEER

DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED

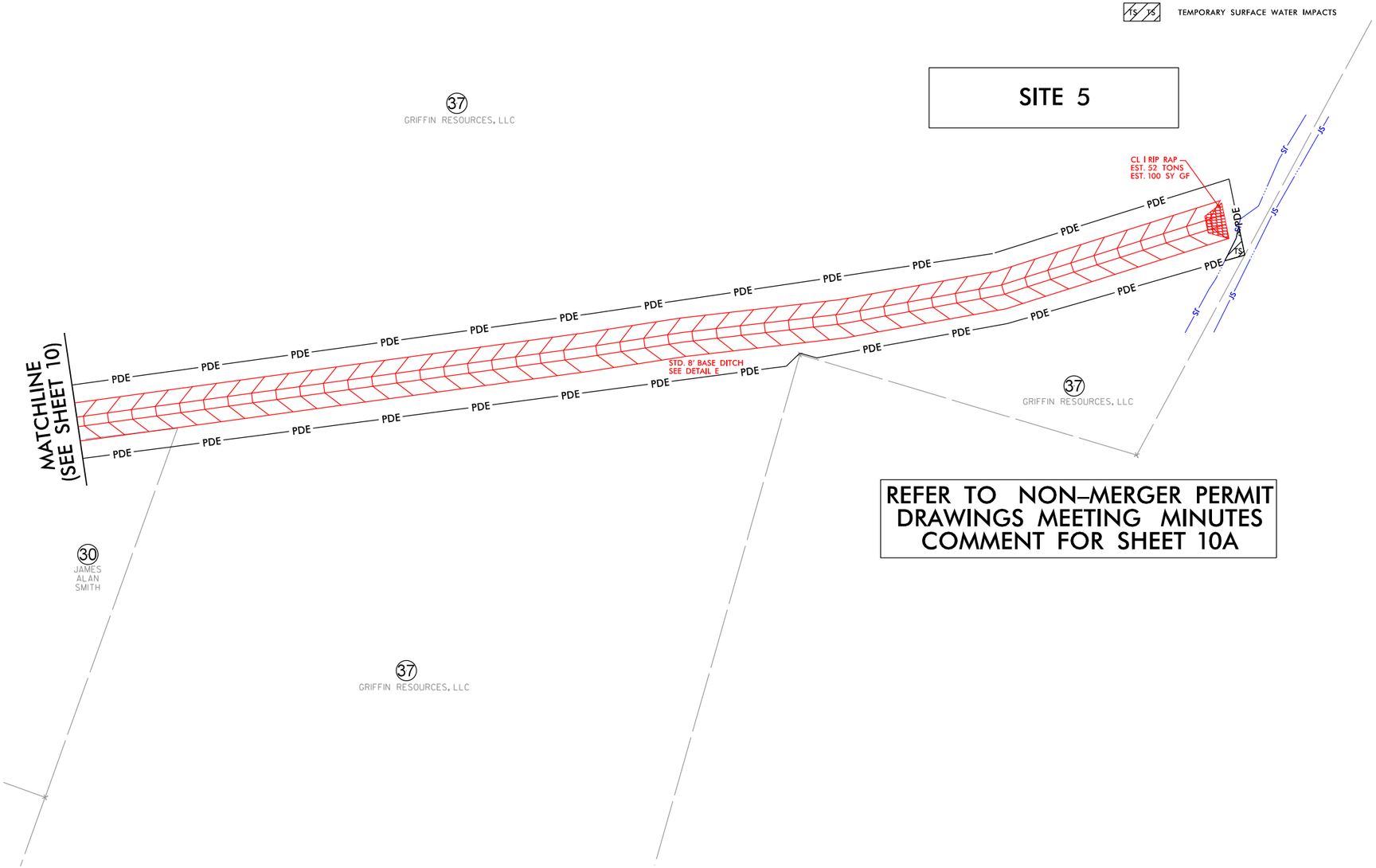
NAD 83

PERMIT DRAWING SHEET 14 OF 79

100' 0' 100'
GRAPHIC SCALE

TS TS TEMPORARY SURFACE WATER IMPACTS

SITE 5



REFER TO NON-MERGER PERMIT DRAWINGS MEETING MINUTES COMMENT FOR SHEET 10A

50' 25' 0' 50' 100'

R/W LABELED OFF -SRIO- UNLESS NOTED OTHERWISE.

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PROJECT REFERENCE NO.	SHEET NO.
I-6064/I-5879	10A
R/W SHEET NO.	
ROADWAY DESIGN ENGINEER	HYDRAULICS ENGINEER

DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED

PERMIT DRAWING SHEET 15 OF 79

NAD 83

100' 0' 100'

GRAPHIC SCALE

TS TS TEMPORARY SURFACE WATER IMPACTS

SITE 5

CL I RIP RAP
EST. 57 TONS
EST. 100 SY GF

PDE

STD. 8'-BASE DITCH
SEE DETAIL E

TS

MATCHLINE (SEE SHEET 10)

37 GRIFFIN RESOURCES, LLC

30 JAMES ALAN SMITH

REFER TO NON-MERGER PERMIT DRAWINGS MEETING MINUTES COMMENT FOR SHEET 10A

R/W LABELED OFF -SRIO- UNLESS NOTED OTHERWISE.

$DATE$ $TIME$
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Kalford

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License #: P-0999

PROJECT REFERENCE NO.	SHEET NO.
I-6064/I-5879	13
R/W SHEET NO.	
ROADWAY DESIGN ENGINEER	HYDRAULICS ENGINEER

DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED

PERMIT DRAWING SHEET 16 OF 79

SITE 6

WETLAND EXCAVATION

FILL IN WETLAND

MECHANIZED CLEARING (GRUBBING)

100' 0' 100'

GRAPHIC SCALE

NAD 83

MATCHLINE -L- STA. 204+00.00 (SEE SHEET 12)

MATCHLINE -L- STA. 217+00.00 (SEE SHEET 14)

58 Q10=112.5 cfs V10=1.0 fps

59 I. S. LOCKLEAR HEIRS

60 BILLIE JO SANDERSON

61 BILLIE JO SANDERSON

62 ARLIS SIMPSON

63 ARLIS SIMPSON

64 BARBARA SIMPSON

65 FAITH DELIVERANCE CENTER OF TRUTH, INC.

54 JAMES H. ADAMS, JR

66 JOHN SMITH BARNES HEIRS

67 JOSE ARISTEO MEDINA

68 MAEZONIA MCCALLUM

69 NEIL ARCHIE TERRY

70 MICHAEL WASHINGTON

71 CLAUDIA PATTERSON

72 ARNELL JUNIOR MOORE

73 CITY OF LUMBERTON

74 K.M. BIGGS

75 MISSIONARY GOSPEL TABERNACLE

76 WELBERT HUNT

77 WELBERT HUNT

78 HS&D INVESTMENTS, INC

79 MOUNT HAVEN CHURCH

80 KAYSER-ROTH CORPORATION

FOR -L- PROFILE SEE SHT.43
NORTHBOUND R/W LABELED OFF -SRIO- UNLESS NOTED OTHERWISE. FOR -SR6- PROFILE SEE SHT.83
SOUTHBOUND R/W LABELED OFF -SR6- UNLESS NOTED OTHERWISE. FOR -SRIO- PROFILE SEE SHT.93

$DATE$ $TIME$
C:\pwworkingdir\pw.ice-eng.com_ice-eng-pw-01\matt.harvey\dms19827\I-6064_RDY_Plansheets-ICE.dgn
Matt.Harvey

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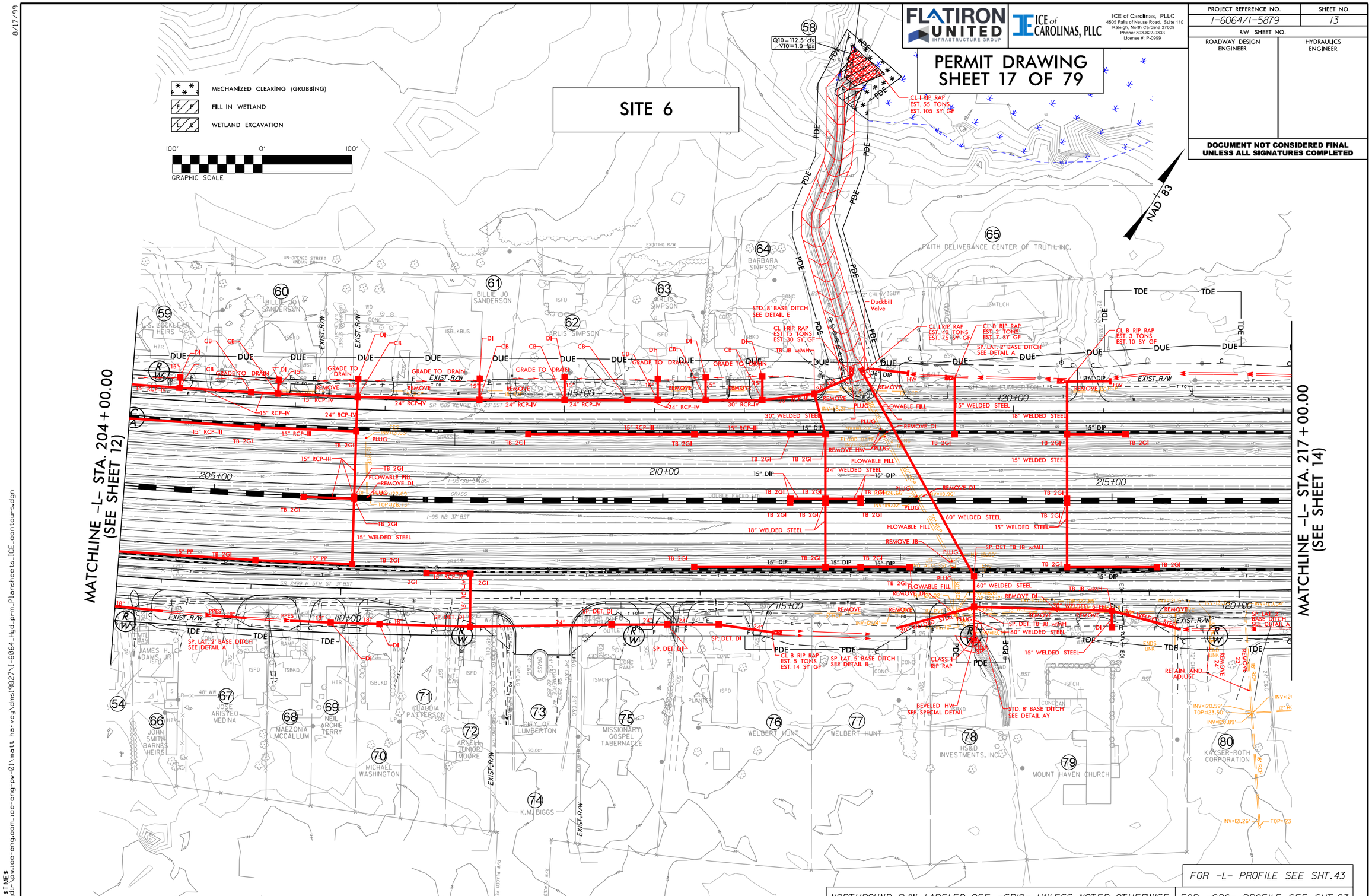
License #: P-0999

PROJECT REFERENCE NO.	SHEET NO.
I-6064/I-5879	13
R/W SHEET NO.	
ROADWAY DESIGN ENGINEER	HYDRAULICS ENGINEER

DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED

PERMIT DRAWING SHEET 17 OF 79



	FOR -L- PROFILE SEE SHT.43
NORTHBOUND R/W LABELED OFF -SR10- UNLESS NOTED OTHERWISE.	FOR -SR6- PROFILE SEE SHT.83
SOUTHBOUND R/W LABELED OFF -SR6- UNLESS NOTED OTHERWISE.	FOR -SR10- PROFILE SEE SHT.93

8/17/99

$DATE$ $TIME$
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PROJECT REFERENCE NO.	SHEET NO.
I-6064/I-5879	15
R/W SHEET NO.	
ROADWAY DESIGN ENGINEER	HYDRAULICS ENGINEER

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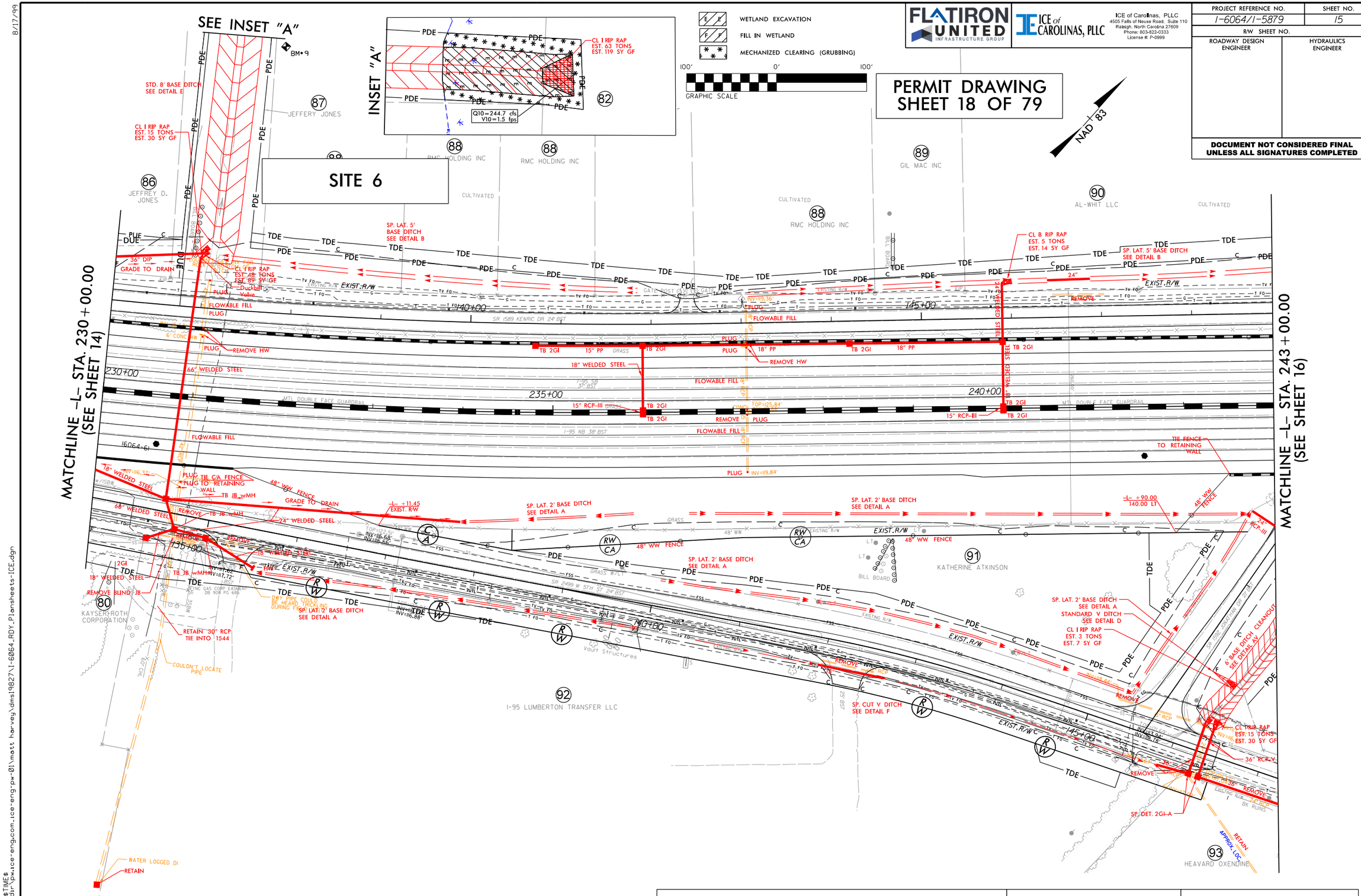
PERMIT DRAWING SHEET 18 OF 79



NORTHBOUND R/W LABELED OFF -SR10- UNLESS NOTED OTHERWISE.	FOR -L- PROFILE SEE SHT.44	FOR -SR10- PROFILE SEE SHT.94
SOUTHBOUND R/W LABELED OFF -SR6- UNLESS NOTED OTHERWISE.	FOR -SR6- PROFILE SEE SHT.84	FOR -SR9- PROFILE SEE SHT.89

8/17/99

$DATE$ $TIME$
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PROJECT REFERENCE NO.	SHEET NO.
I-6064/I-5879	15
RW SHEET NO.	
ROADWAY DESIGN ENGINEER	HYDRAULICS ENGINEER

DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED

PERMIT DRAWING SHEET 19 OF 79

SITE 6

SEE INSET "A"

INSET "A"

WETLAND EXCAVATION
FILL IN WETLAND
MECHANIZED CLEARING (GRUBBING)

GRAPHIC SCALE 100' 0' 100'

NAD 83

MATCHLINE -L- STA. 230+00.00 (SEE SHEET 14)

MATCHLINE -L- STA. 243+00.00 (SEE SHEET 16)

NORTHBOUND R/W LABELED OFF -SR10- UNLESS NOTED OTHERWISE.	FOR -L- PROFILE SEE SHT.44	FOR -SR10- PROFILE SEE SHT.94
SOUTHBOUND R/W LABELED OFF -SR6- UNLESS NOTED OTHERWISE.	FOR -SR6- PROFILE SEE SHT.84	FOR -SR9- PROFILE SEE SHT.89

$TIME$
$DATE$
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License #: P-0999

PROJECT REFERENCE NO.	SHEET NO.
I-6064/I-5879	16
R/W SHEET NO.	
ROADWAY DESIGN ENGINEER	HYDRAULICS ENGINEER

DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED

PERMIT DRAWING SHEET 20 OF 79

SITE 7

WETLAND EXCAVATION
FILL IN WETLAND
MECHANIZED CLEARING (GRUBBING)

100' 0' 100'
GRAPHIC SCALE

MATCHLINE -L- STA. 243+00.00 (SEE SHEET 15)

MATCHLINE -L- STA. 256+00.00 (SEE SHEET 17)

Q10=73.2 cfs
V10=8.8 fps

CL I RIP RAP EST. 33 TONS EST. 62 SY GF
CL I RIP RAP EST. 48 TONS EST. 89 SY GF
CL B RIP RAP EST. 8 TONS EST. 21 SY GF
CL B RIP RAP EST. 2 TONS EST. 7 SY GF
CL B RIP RAP EST. 3 TONS EST. 10 SY GF
CL I RIP RAP EST. 66 TONS EST. 248 SY GF
CL B RIP RAP EST. 20 TONS EST. 75 SY GF
CL B RIP RAP EST. 5 TONS EST. 14 SY GF

5' BASE DITCH CLEANOUT SEE DETAIL AV
10' BASE DITCH CLEANOUT SEE DETAIL AF
6' BASE DITCH CLEANOUT SEE DETAIL AV

SP. LAT. 5' BASE DITCH SEE DETAIL B
SP. LAT. 2' BASE DITCH SEE DETAIL A

100 CHARLES MCNEILL
90 AL-WHIT LLC
101 CHARLES MCNEILL
96 CHARLES MCNEILL
95 SAMIN CORPORATION
93 HEYWARD EXENDINE
98 CLAYBOURN WALTERS
99 MACK WHITE INVESTMENTS INC

NORTHBOUND R/W LABELED OFF -SR9- UNLESS NOTED OTHERWISE.	FOR -L- PROFILE SEE SHT.44
SOUTHBOUND R/W LABELED OFF -SR6- UNLESS NOTED OTHERWISE.	FOR -SR6- PROFILE SEE SHT.84
	FOR -SR9- PROFILE SEE SHT.89

$DATE$ $TIME$
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Matt Harvey

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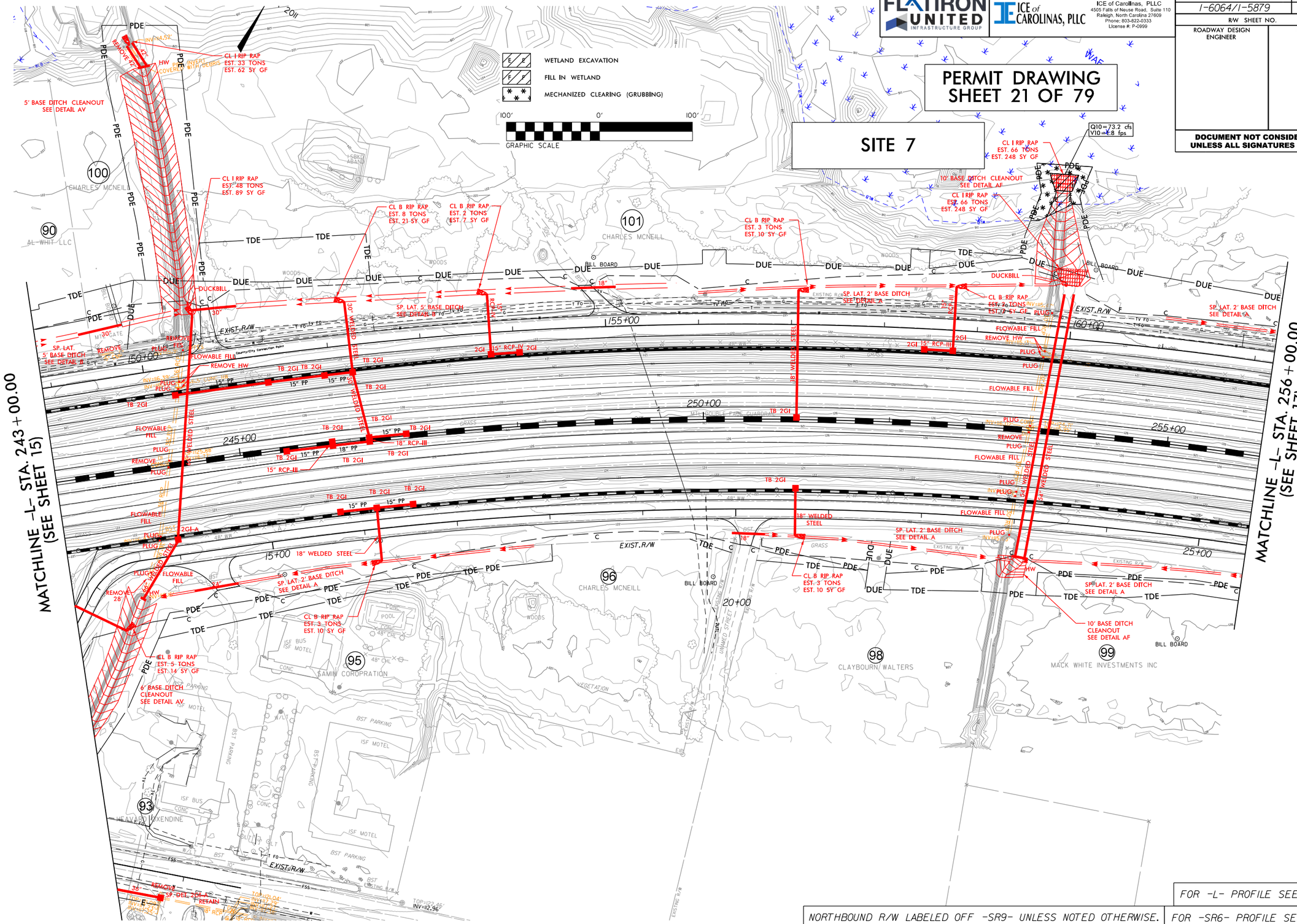
PROJECT REFERENCE NO.	SHEET NO.
I-6064/I-5879	16
R/W SHEET NO.	
ROADWAY DESIGN ENGINEER	HYDRAULICS ENGINEER

DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED

PERMIT DRAWING SHEET 21 OF 79

SITE 7



	FOR -L- PROFILE SEE SHT.44
NORTHBOUND R/W LABELED OFF -SR9- UNLESS NOTED OTHERWISE.	FOR -SR6- PROFILE SEE SHT.84
SOUTHBOUND R/W LABELED OFF -SR6- UNLESS NOTED OTHERWISE.	FOR -SR9- PROFILE SEE SHT.89

8/17/99

$DATE$ $TIME$
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PROJECT REFERENCE NO.	SHEET NO.
I-6064/I-5879	17
R/W SHEET NO.	
ROADWAY DESIGN ENGINEER	HYDRAULICS ENGINEER

DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED

PERMIT DRAWING SHEET 22 OF 79

FILL IN WETLAND

MECHANIZED CLEARING (GRUBBING)

100' 0' 100'
GRAPHIC SCALE

NAD 83

SITE 8

MATCHLINE -L- STA. 256+00.00 (SEE SHEET 16)

MATCHLINE -L- STA. 269+00.00 (SEE SHEET 18)

99 MACK WHITE INVESTMENTS INC

103 MACK WHITE INVESTMENTS INC

104 MACK WHITE INVESTMENTS INC

105 CB OF EDENTON LLC

106 JHS ROBESON PROPERTIES LLC

107 OUTDOOR REALTY LLC

108 JEANNETTE MARTIN

109 HEIRS OF S.B. ATKINSON

111 THE CITY OF LUMBERTON

101 CHARLES MCNEILL

102 THE LUMBER RIVER CONSERVANCY

FOR -SR6- PROFILE SEE SHTS.84 THRU 85		
NORTHBOUND R/W LABELED OFF -SR9- UNLESS NOTED OTHERWISE.	FOR -L- PROFILE SEE SHT.45	FOR -Y2RPB- PROFILE SEE SHT.57
SOUTHBOUND R/W LABELED OFF -SR6- UNLESS NOTED OTHERWISE.	FOR -SR9- PROFILE SEE SHT.89	FOR -Y2RPC- PROFILE SEE SHT.57

$DATE$ $TIME$
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PROJECT REFERENCE NO.	SHEET NO.
I-6064/I-5879	17
R/W SHEET NO.	
ROADWAY DESIGN ENGINEER	HYDRAULICS ENGINEER

DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED

PERMIT DRAWING SHEET 23 OF 79

FILL IN WETLAND

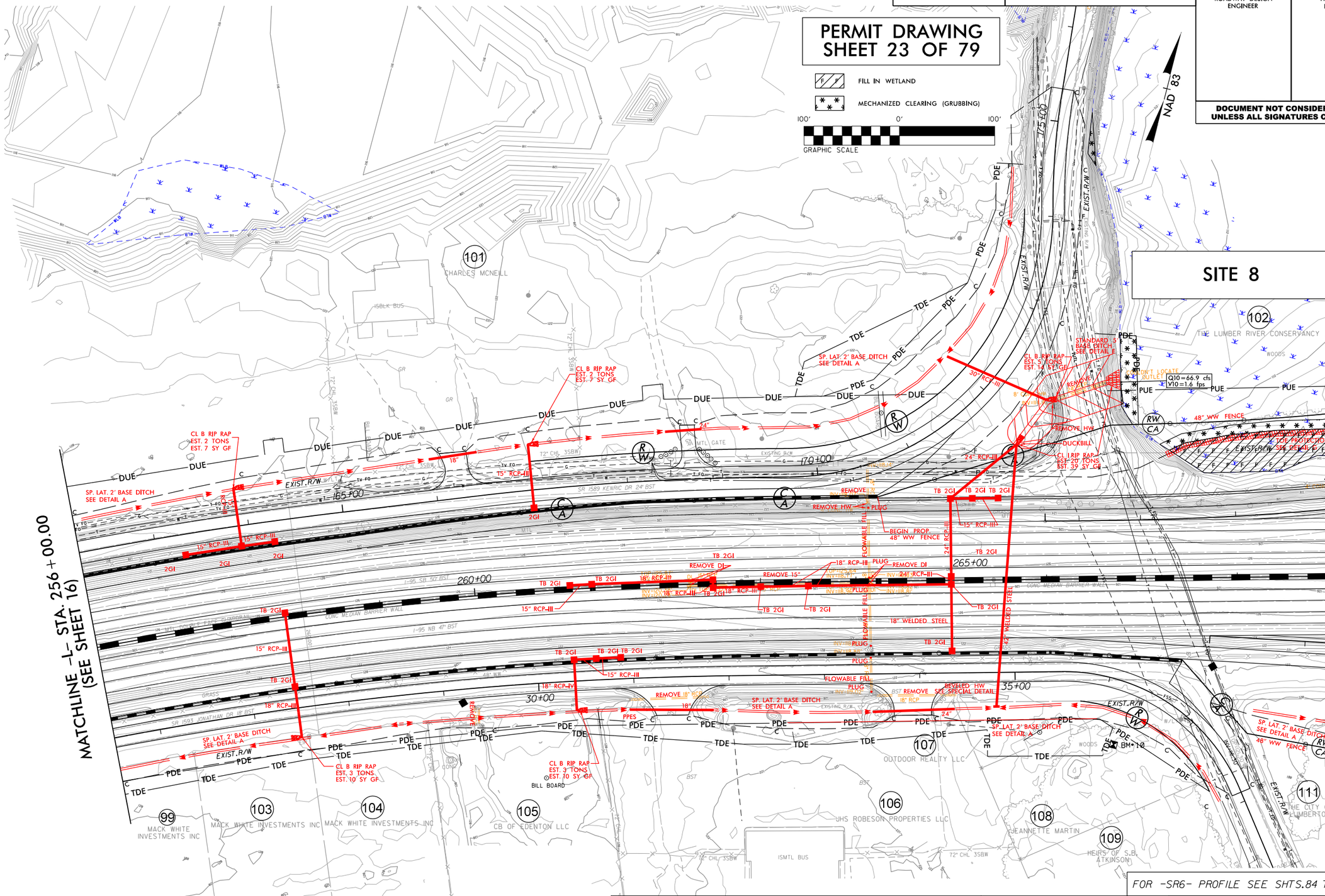
MECHANIZED CLEARING (GRUBBING)

100' 0' 100'

GRAPHIC SCALE

NAD 83

SITE 8



		FOR -SR6- PROFILE SEE SHTS.84 THRU 85
NORTHBOUND R/W LABELED OFF -SR9- UNLESS NOTED OTHERWISE.	FOR -L- PROFILE SEE SHT.45	FOR -Y2RPB- PROFILE SEE SHT.57
SOUTHBOUND R/W LABELED OFF -SR6- UNLESS NOTED OTHERWISE.	FOR -SR9- PROFILE SEE SHT.89	FOR -Y2RPC- PROFILE SEE SHT.57

8/17/99

$DATE$ $TIME$
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MHarvey

FLATIRON UNITED	ICE of CAROLINAS, PLLC

ICE of Carolinas, PLLC
4525 Falls of Neuse Road, Suite 110
Raleigh, North Carolina 27609
Phone: 833-423-2323
License # P-0698

PROJECT REFERENCE NO.	SHEET NO.
I-6064/I-5879	18
R/W SHEET NO.	
ROADWAY DESIGN ENGINEER	HYDRAULICS ENGINEER

DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED

PERMIT DRAWING
SHEET 24 OF 79

200' 0 200'
GRAPHIC SCALE

NAD 83

F F FILL IN WETLAND
S S SURFACE WATER IMPACTS
MECHANIZED CLEARING (GRUBBING)
E E WETLAND EXCAVATION

SITE 8

SITE 9

SITE 10

SEE SHEET 26 OF 79 FOR ENLARGED VIEW

SEE SHEET 28 OF 79 FOR ENLARGED VIEW

SEE SHEET 27 OF 79 FOR ENLARGED VIEW

MATCHLINE –L– STA. 269+00.00
(SEE SHEET 17)

MATCHLINE –L– STA. 297+00.00
(SEE SHEET 19)

CALLOUT LEGEND
(A) -Y2- PC Sta. 17+60.62
(B) -Y2RPA- POT Sta. 25+46.16 « -Y3- POC Sta. 21+12.99
(C) -Y2RPB- POT Sta. 21+71.50 « -Y2- POC Sta. 21+23.40
(D) -Y2- PT Sta. 26+63.20
(E) -SR10A- PT Sta. 14+86.15

	FOR -L- PROFILE SEE SHTS.45 THRU 46	
FOR -SR7- PROFILE SEE SHTS.85 THRU 86	FOR -Y2RPA- PROFILE SEE SHT.56	
FOR -SR8- PROFILE SEE SHTS.87-88	FOR -Y2RPB- PROFILE SEE SHT.57	
FOR -Y2- PROFILE SEE SHT.55	FOR -Y2RPC- PROFILE SEE SHTS.57	
FOR -SR10A- PROFILE SEE SHT.94	FOR -Y2RPD- PROFILE SEE SHT.58	

☆ PROPOSED SIGNAL
PAVEMENT REMOVAL

GRAPHIC SCALE
50 25 0 50 100
PLANS

#SEAL#
#SIGNATURE#
#DATE#
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PROJECT REFERENCE NO.	SHEET NO.
I-6064/I-5879	18
R/W SHEET NO.	
ROADWAY DESIGN ENGINEER	HYDRAULICS ENGINEER

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PERMIT DRAWING
SHEET 25 OF 79

GRAPHIC SCALE 200' 0 200'

NAD 83

F F FILL IN WETLAND

S S SURFACE WATER IMPACTS

MECHANIZED CLEARING (GRUBBING)

E E WETLAND EXCAVATION

SITE 8

SITE 10

SITE 9

SEE SHEET 26 OF 79 FOR ENLARGED VIEW

SEE SHEET 28 OF 79 FOR ENLARGED VIEW

SEE SHEET 27 OF 79 FOR ENLARGED VIEW

MATCHLINE –L– STA. 269+00.00 (SEE SHEET 17)

MATCHLINE –L– STA. 297+00.00 (SEE SHEET 19)

CALLOUT LEGEND
(A) -Y2- PC Sta. 17+60.62
(B) -Y2RPA- POT Sta. 25+46.16 « -Y2- POC Sta. 21+12.99
(C) -Y2RPB- POT Sta. 21+71.50 « -Y2- POC Sta. 21+25.40
(D) -Y2- PT Sta. 26+63.20
(E) -SR10A- PT Sta. 14+86.15

PROPOSED SIGNAL

PAVEMENT REMOVAL

FOR -L- PROFILE SEE SHTS.45 THRU 46	
FOR -SR7- PROFILE SEE SHTS.85 THRU 86	FOR -Y2RPA- PROFILE SEE SHT.56
FOR -SR8- PROFILE SEE SHTS.87-88	FOR -Y2RPB- PROFILE SEE SHT.57
FOR -Y2- PROFILE SEE SHT.55	FOR -Y2RPC- PROFILE SEE SHTS.57
FOR -SR10A- PROFILE SEE SHT.94	FOR -Y2RPD- PROFILE SEE SHT.58

GRAPHIC SCALE
50 25 0 50 100
PLANS

ROUTE 87 NB & 87 SB
FROM NC 211 TO NC 904
BRUNSWICK COUNTY

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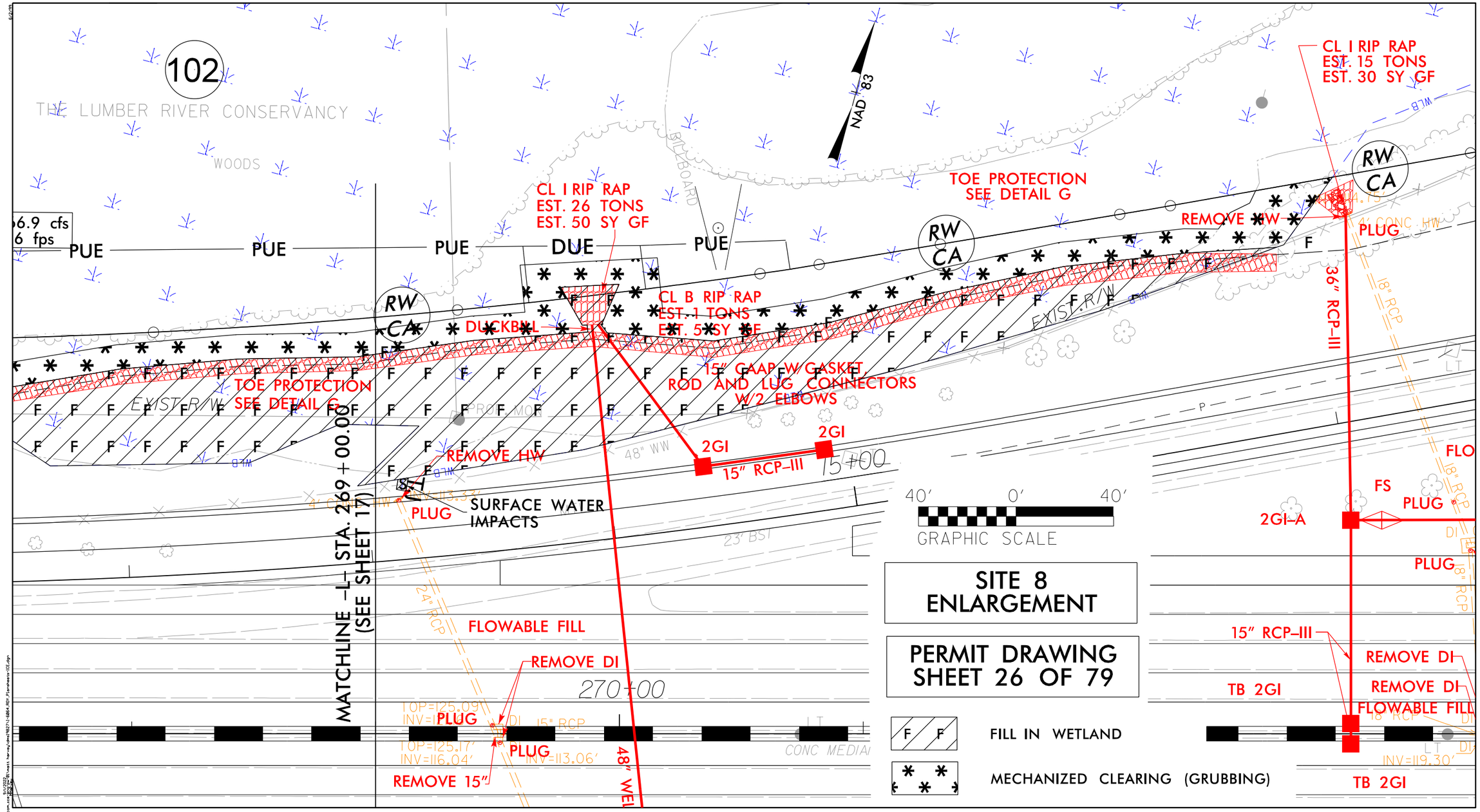
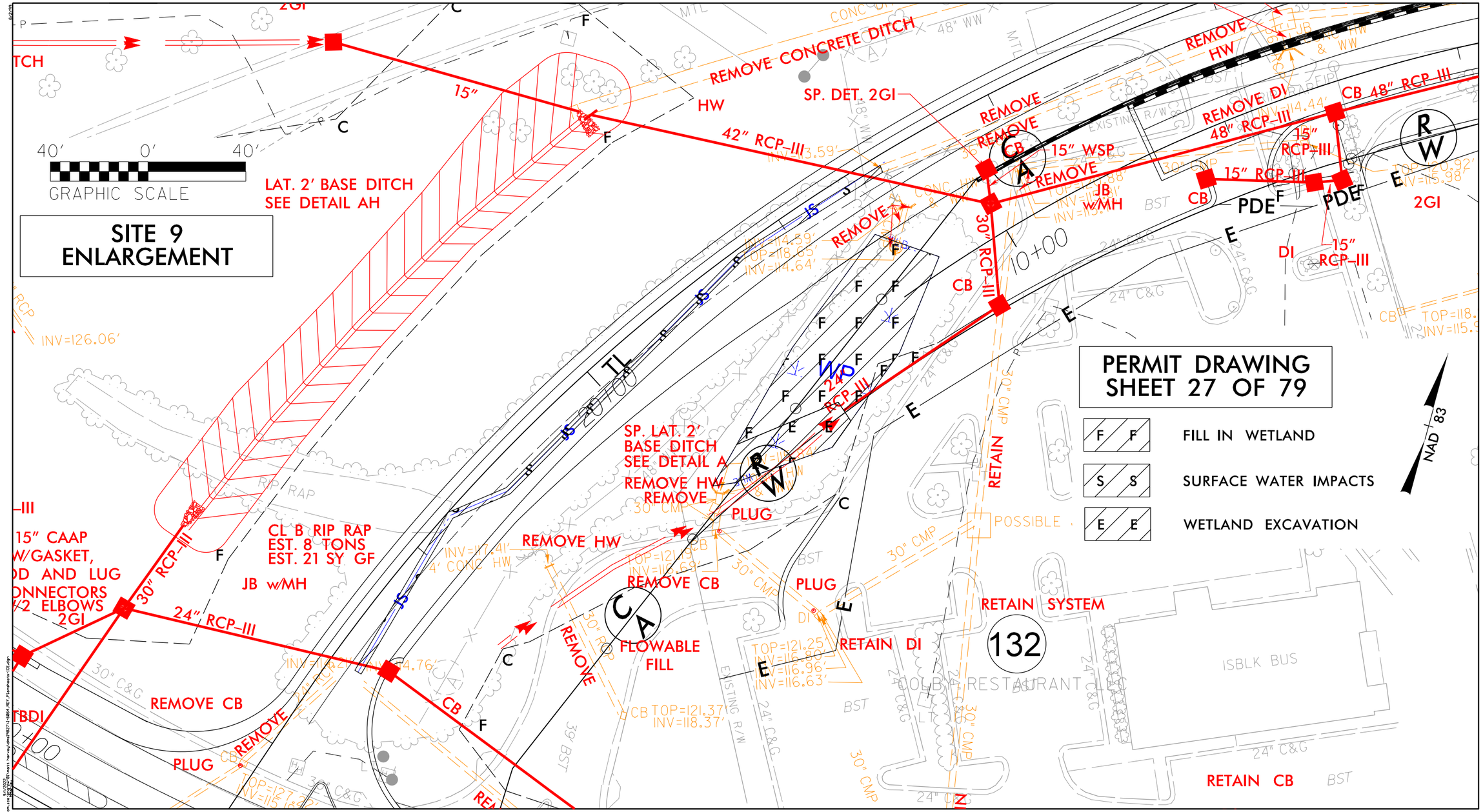
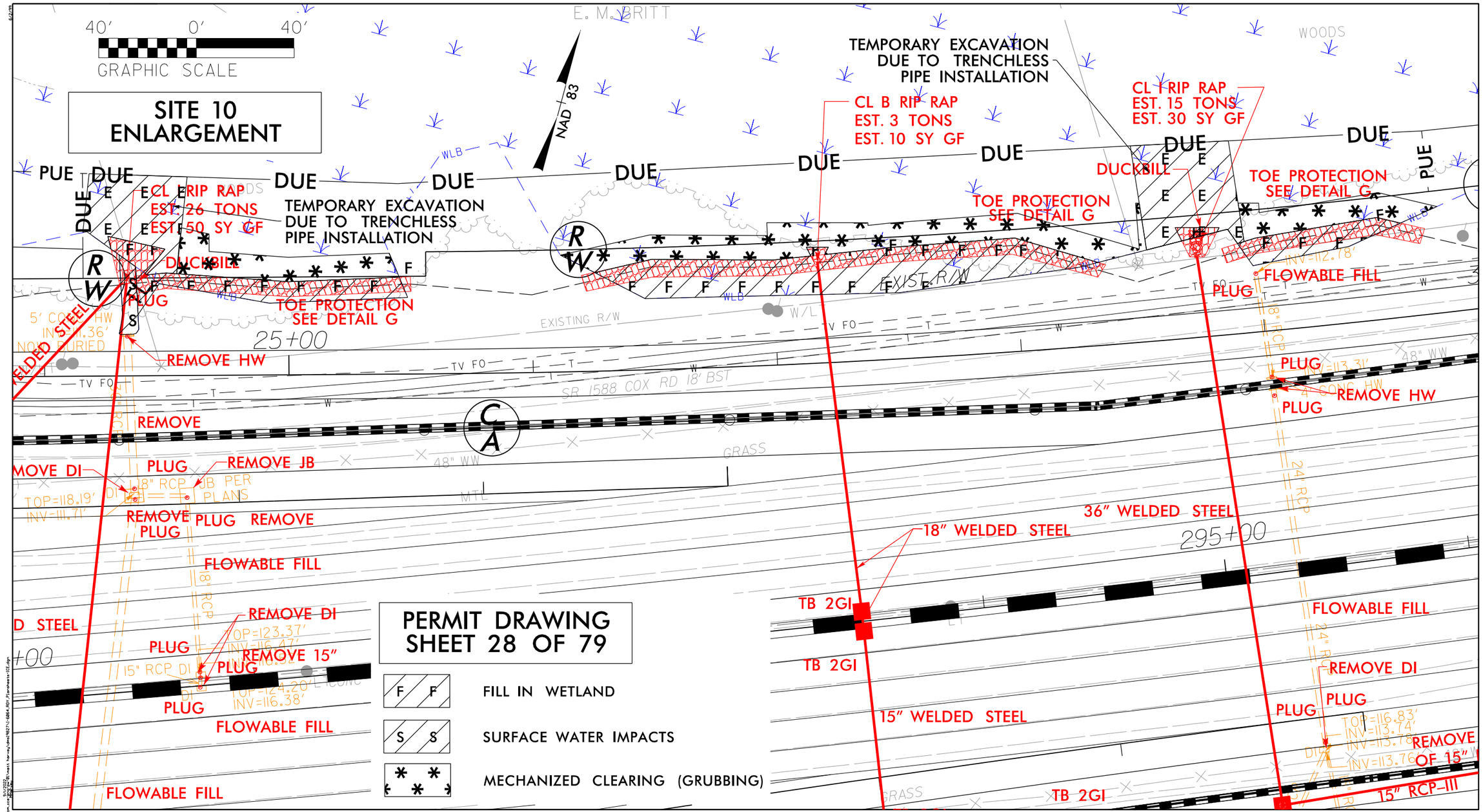


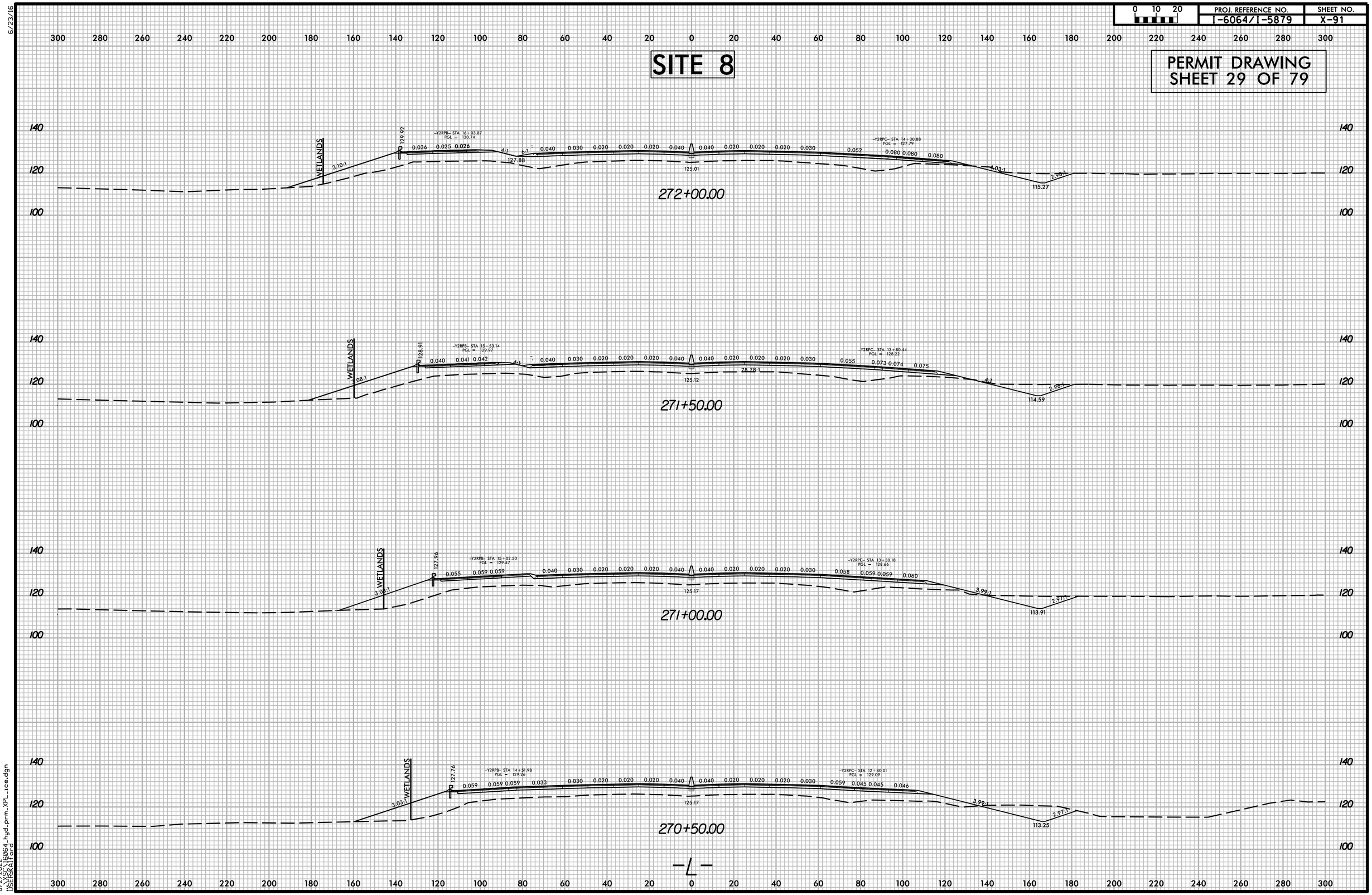
102
THE LUMBER RIVER CONSERVANCY
WOODS
NAD 83
BILLBOARD
CL I RIP RAP
EST. 15 TONS
EST. 30 SY GF
TOE PROTECTION
SEE DETAIL G
CL I RIP RAP
EST. 26 TONS
EST. 50 SY GF
CL B RIP RAP
EST. 1 TONS
EST. 5 SY GF
DUCKBILL
REMOVE HW
PLUG
36" RCP-III
18" RCP
EXIST. R/W
15" CAAP W/GASKET,
ROD AND LUG CONNECTORS
W/2 ELBOWS
2GI
15" RCP-III
15+00
48" WW
REMOVE HW
SURFACE WATER
IMPACTS
PLUG
MATCHLINE -L- STA. 269+00.00
(SEE SHEET 17)
23' BST
24" RCP
FLOWABLE FILL
REMOVE DI
270+00
TOP=125.09'
INV=116.04'
TOP=125.17'
INV=113.06'
15" RCP
REMOVE 15"
48" WEL
CONC MEDIAN
40' 0' 40'
GRAPHIC SCALE
SITE 8
ENLARGEMENT
PERMIT DRAWING
SHEET 26 OF 79
FILL IN WETLAND
MECHANIZED CLEARING (GRUBBING)
FLO
FS
2GI-A
15" RCP-III
REMOVE DI
TB 2GI
FLOWABLE FILL
INV=119.30'
TB 2GI



SITE 9
ENLARGEMENT
40' 0' 40'
GRAPHIC SCALE
LAT. 2' BASE DITCH
SEE DETAIL AH
REMOVE CONCRETE DITCH
SP. DET. 2GI
15"
42" RCP-III
HW
REMOVE
REMOVE
REMOVE
REMOVE
REMOVE HW
REMOVE DI
48" RCP-III
CB 48" RCP-III
15" WSP
JB w/MH
15" RCP-III
15" RCP-III
CB
PDE
PDE
2GI
DI
15" RCP-III
30" RCP-III
CB
10+00
24" RCP-III
SP. LAT. 2'
BASE DITCH
SEE DETAIL A
REMOVE HW
REMOVE
PLUG
REMOVE HW
REMOVE CB
PLUG
FLOWABLE
FILL
RETAIN
POSSIBLE
RETAIN SYSTEM
132
RETAIN DI
RETAIN CB
ISBLK BUS
COLBY RESTAURANT LLC
CL B RIP RAP
EST. 8 TONS
EST. 21 SY GF
JB w/MH
15" CAAP
W/GASKET,
OD AND LUG
ONNECTORS
/2 ELBOWS
2GI
30" RCP-III
24" RCP-III
REMOVE CB
PLUG
REMOVE
CB
TBDI
INV=126.06'
INV=117.41'
4' CONC HW
INV=114.59'
TOP=118.65'
INV=114.64'
TOP=121.19'
INV=116.69'
TOP=121.25'
INV=116.80'
INV=116.96'
INV=116.63'
TOP=121.37'
INV=118.37'
TOP=127.22'
INV=115.16'
PERMIT DRAWING
SHEET 27 OF 79
FILL IN WETLAND
SURFACE WATER IMPACTS
WETLAND EXCAVATION
NAD 83



40' 0' 40'
GRAPHIC SCALE
SITE 10
ENLARGEMENT
E. M. BRITT
NAD 83
WOODS
TEMPORARY EXCAVATION
DUE TO TRENCHLESS
PIPE INSTALLATION
CL B RIP RAP
EST. 3 TONS
EST. 10 SY GF
CL I RIP RAP
EST. 15 TONS
EST. 30 SY GF
DUCKBILL
TOE PROTECTION
SEE DETAIL G
CL I RIP RAP
EST. 26 TONS
EST. 50 SY GF
PUE
DUE
R
W
C
A
EXIST. R/W
EXISTING R/W
25+00
295+00
SR 1588 COX RD 18' BST
REMOVE HW
REMOVE
REMOVE JB
REMOVE DI
PLUG
FLOWABLE FILL
18" WELDED STEEL
36" WELDED STEEL
15" WELDED STEEL
TB 2GI
REMOVE 15"
REMOVE OF 15"
15" RCP-III
PERMIT DRAWING
SHEET 28 OF 79
FILL IN WETLAND
SURFACE WATER IMPACTS
MECHANIZED CLEARING (GRUBBING)



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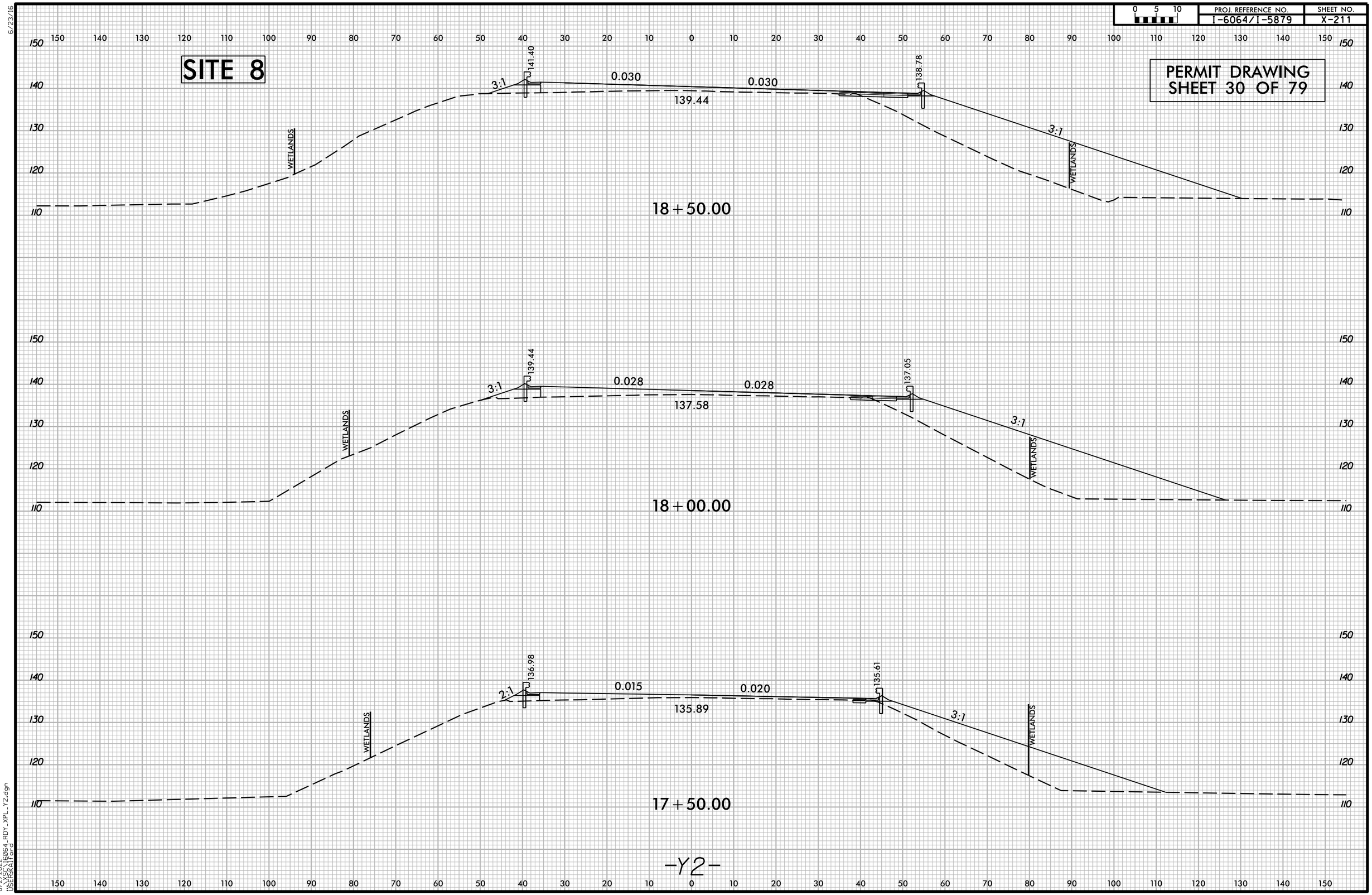
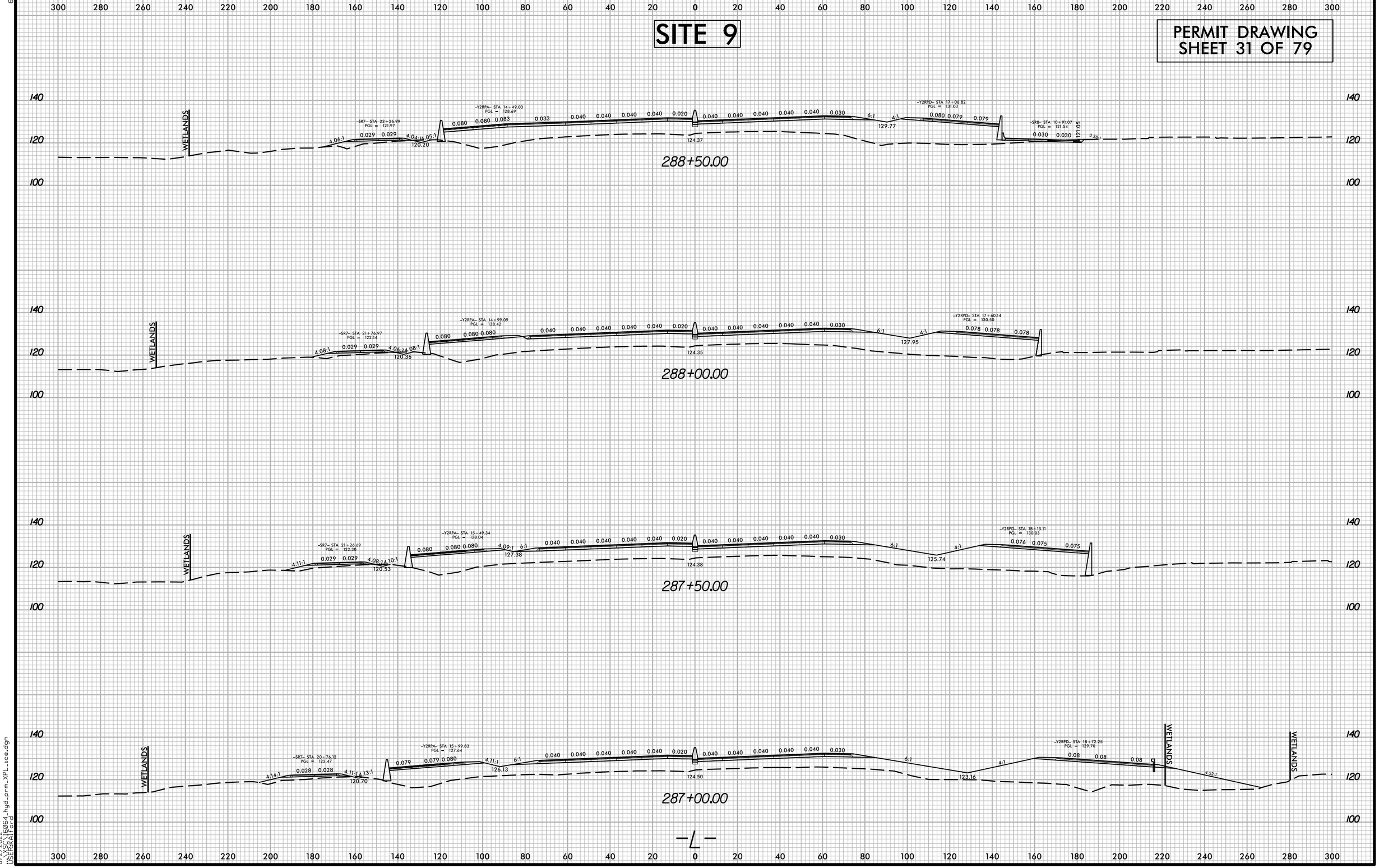


PROJ. REFERENCE NO.
I-6064/I-5879
SHEET NO.
X-211
SITE 8
PERMIT DRAWING
SHEET 30 OF 79
141.40
138.78
3:1
0.030
0.030
139.44
WETLANDS
18+50.00
139.44
137.05
0.028
0.028
137.58
18+00.00
136.98
135.61
2:1
0.015
0.020
135.89
17+50.00
-Y2-

PROJ. REFERENCE NO.	SHEET NO.
I-6064/I-5879	X-100

SITE 9

PERMIT DRAWING
SHEET 31 OF 79



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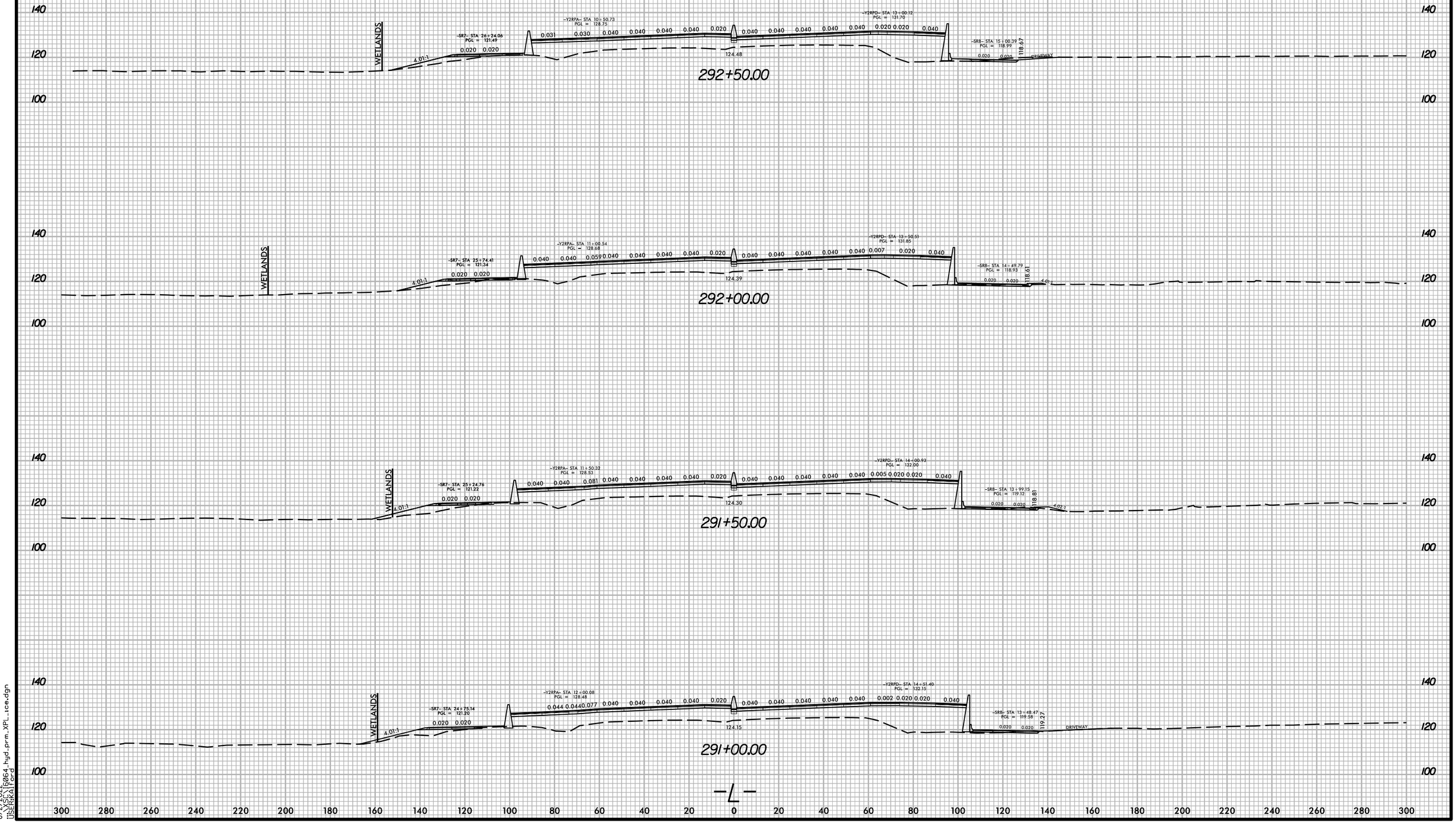
0 10 20	PROJ. REFERENCE NO.	SHEET NO.
	I-6064/I-5879	X-102

SITE 10

PERMIT DRAWING
SHEET 32 OF 79



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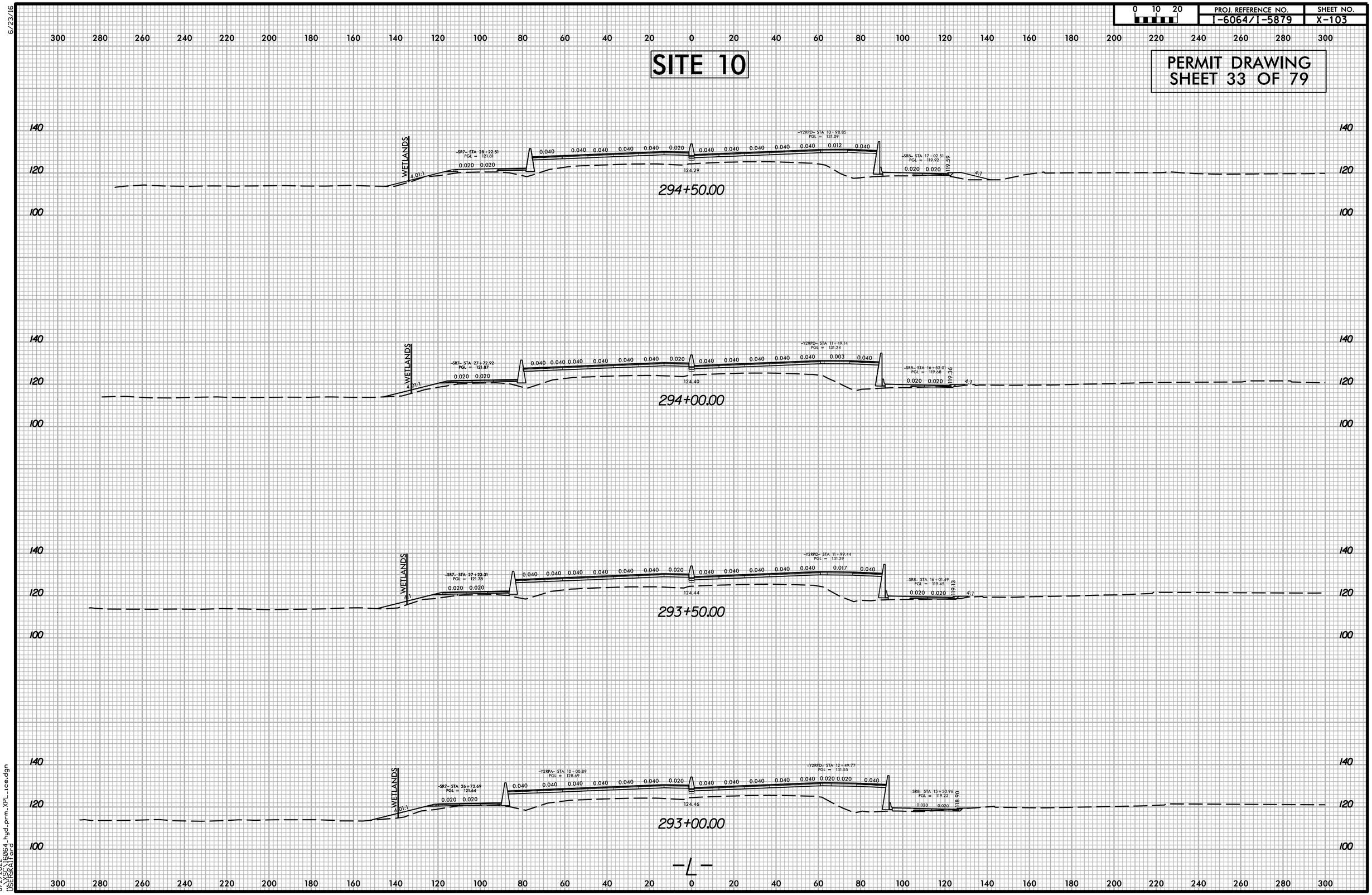

PROJ. REFERENCE NO.
I-6064/I-5879
SHEET NO.
X-103
SITE 10
PERMIT DRAWING
SHEET 33 OF 79
WETLANDS
294+50.00
294+00.00
293+50.00
293+00.00
-L-

FLATIRON UNITED INFRASTRUCTURE GROUP

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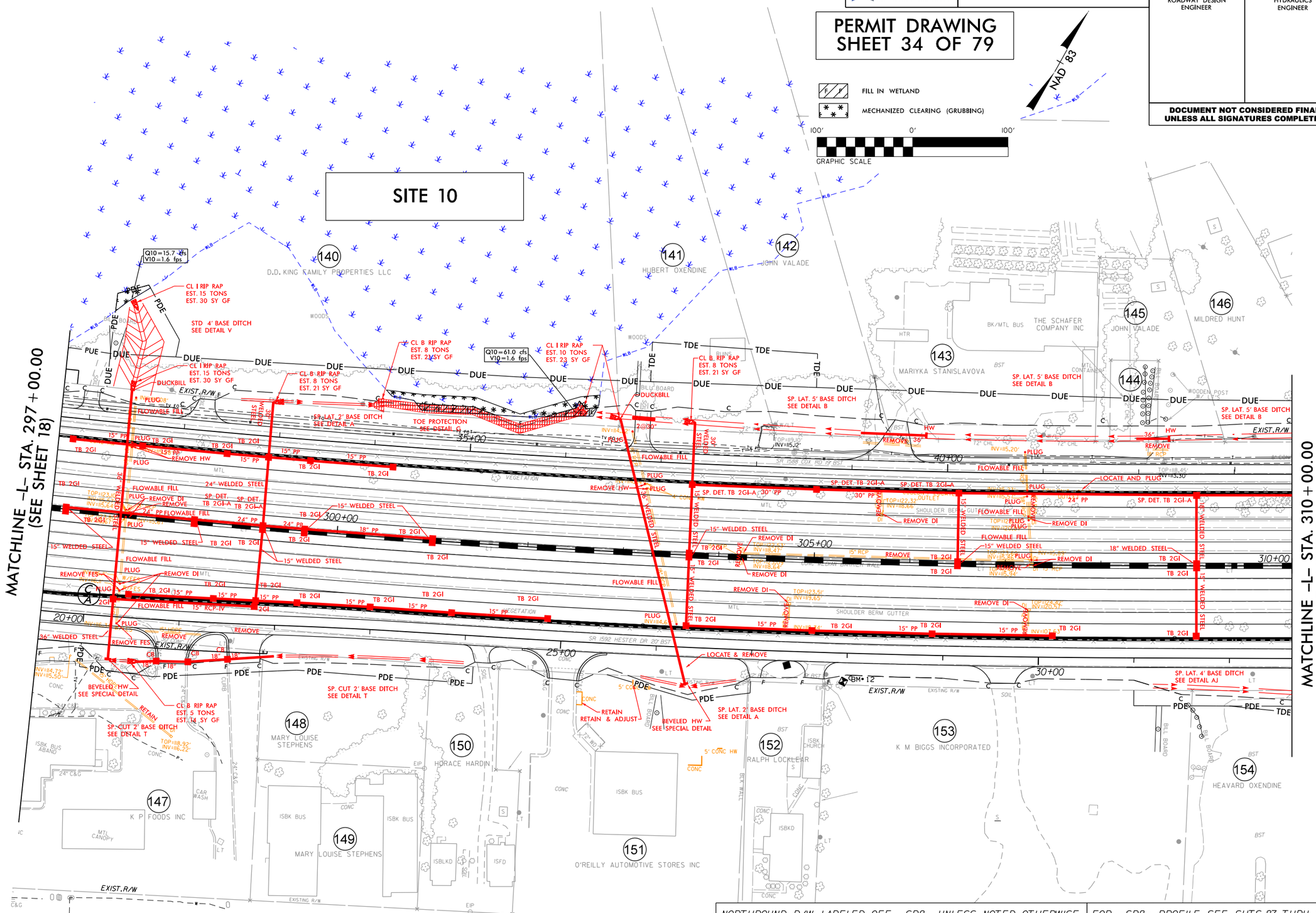
Phone: 803-822-0333
License #: P-0999

PROJECT REFERENCE NO.	SHEET NO.
I-6064/I-5879	19
R/W SHEET NO.	
ROADWAY DESIGN ENGINEER	HYDRAULICS ENGINEER

DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED

PERMIT DRAWING SHEET 34 OF 79



NORTHBOUND R/W LABELED OFF -SR8- UNLESS NOTED OTHERWISE.	FOR -SR8- PROFILE SEE SHTS.87 THRU 88

SOUTHBOUND R/W LABELED OFF -SR7- UNLESS NOTED OTHERWISE.	FOR -L- PROFILE SEE SHT.46	FOR -SR7- PROFILE SEE SHT.86

8/17/99

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FLATIRON UNITED INFRASTRUCTURE GROUP

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License #: P-0999

PROJECT REFERENCE NO.	SHEET NO.
I-6064/I-5879	19
R/W SHEET NO.	
ROADWAY DESIGN ENGINEER	HYDRAULICS ENGINEER

DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED

PERMIT DRAWING SHEET 35 OF 79

F F FILL IN WETLAND

MECHANIZED CLEARING (GRUBBING)

100' 0' 100'
GRAPHIC SCALE

NAD 83

SITE 10

MATCHLINE -L- STA. 297+00.00 (SEE SHEET 18)

MATCHLINE -L- STA. 310+00.00 (SEE SHEET 20)

140 141 142 143 144 145 146 147 148 149 150 151 152 153 154

S.D. KANG-KAMRIN PROPERTIES, LLC · HUBERT OXENDINE · JOHN VALADE · MARIYKA STANISLAVOVA · THE SCHAFER COMPANY INC · JOHN K VALADE · MILDRED HUNT · K P FOODS INC · MARY LOUISE STEPHENS · HORACE HARDIN · RALPH LOCKLEAR · K M BIGGS INCORPORATED · HEAVARD OXENDINE · O'REILLY AUTOMOTIVE STORES INC

Q10=15.7 cfs V10=1.6 fps

Q10=61.0 cfs V10=1.6 fps

CL I RIP RAP EST. 15 TONS EST. 30 SY GF

CL B RIP RAP EST. 8 TONS EST. 21 SY GF

STD 4' BASE DITCH SEE DETAIL V

SP. CUT 2' BASE DITCH SEE DETAIL T

SP. LAT. 2' BASE DITCH SEE DETAIL A

SP. LAT. 5' BASE DITCH SEE DETAIL B

SP. LAT. 4' BASE DITCH SEE DETAIL AJ

CL B RIP RAP EST. 5 TONS EST. 14 SY GF

TOE PROTECTION SEE DETAIL G

BEVELED HW SEE SPECIAL DETAIL

FLOWABLE FILL · PLUG · REMOVE · REMOVE DI · REMOVE HW · REMOVE FES · LOCATE AND PLUG · LOCATE & REMOVE · RETAIN · RETAIN & ADJUST

SP. DET. TB 2GI-A · SP. DET. TB 2GI-A, 30" PP

TB 2GI · 15" PP · 18" PP · 24" PP · 30" PP · 36" PP · 15" RCP-IV · 15" WELDED STEEL · 18" WELDED STEEL · 24" WELDED STEEL · 36" WELDED STEEL

DUCKBILL · EXIST. R/W · EXISTING R/W · TY FOUR · TY FOUR MODIFIED · 2@30° · 5' CONC HW · S-CONC HW · 5' CONC

PDE · TDE · DUE · C · F · LT · CBM 12

NORTHBOUND R/W LABELED OFF -SR8- UNLESS NOTED OTHERWISE. | FOR -SR8- PROFILE SEE SHTS.87 THRU 88

SOUTHBOUND R/W LABELED OFF -SR7- UNLESS NOTED OTHERWISE. | FOR -L- PROFILE SEE SHT.46 | FOR -SR7- PROFILE SEE SHT.86

$DATE$
$USERNAME$
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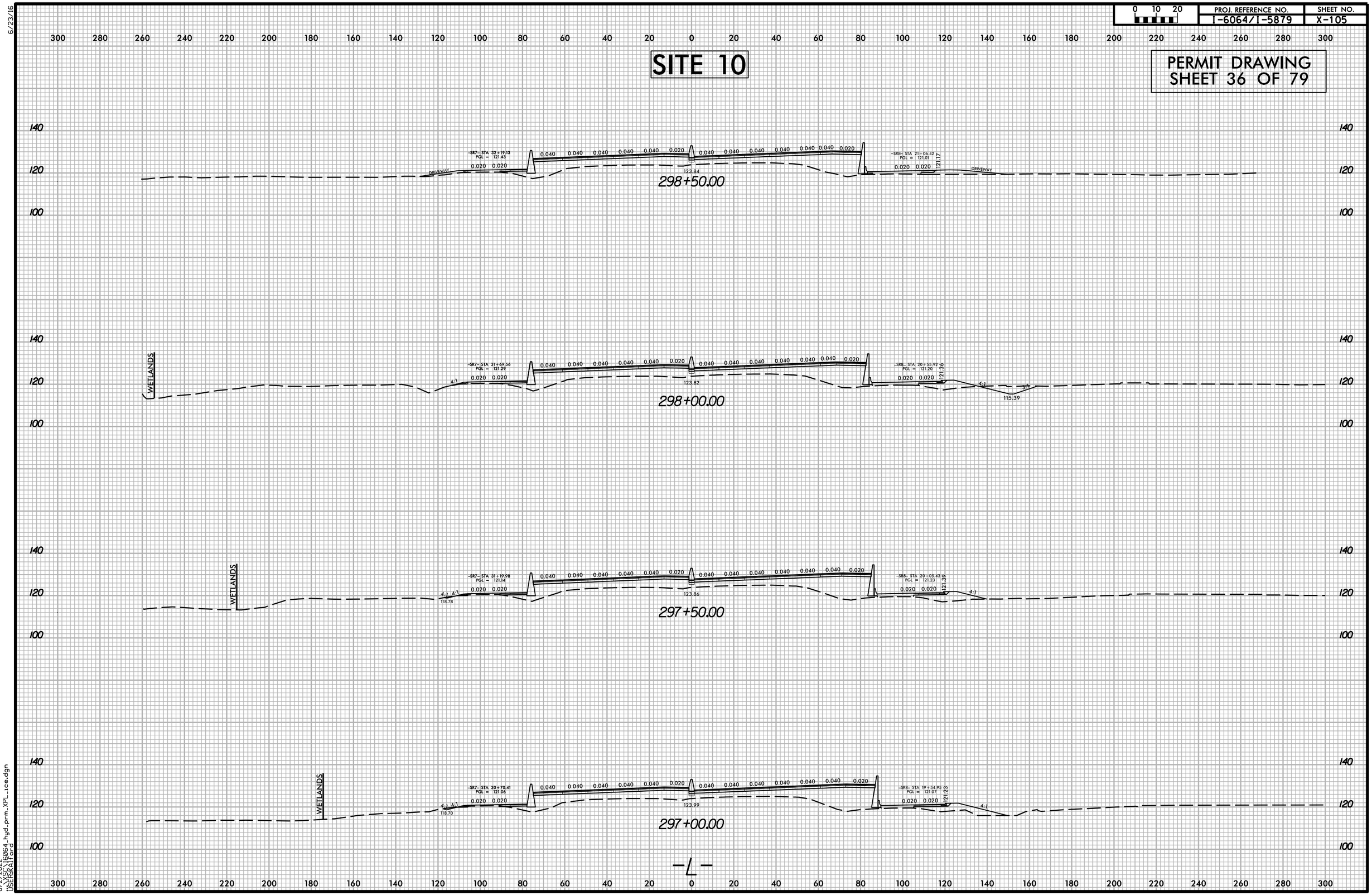

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USER:KAlford

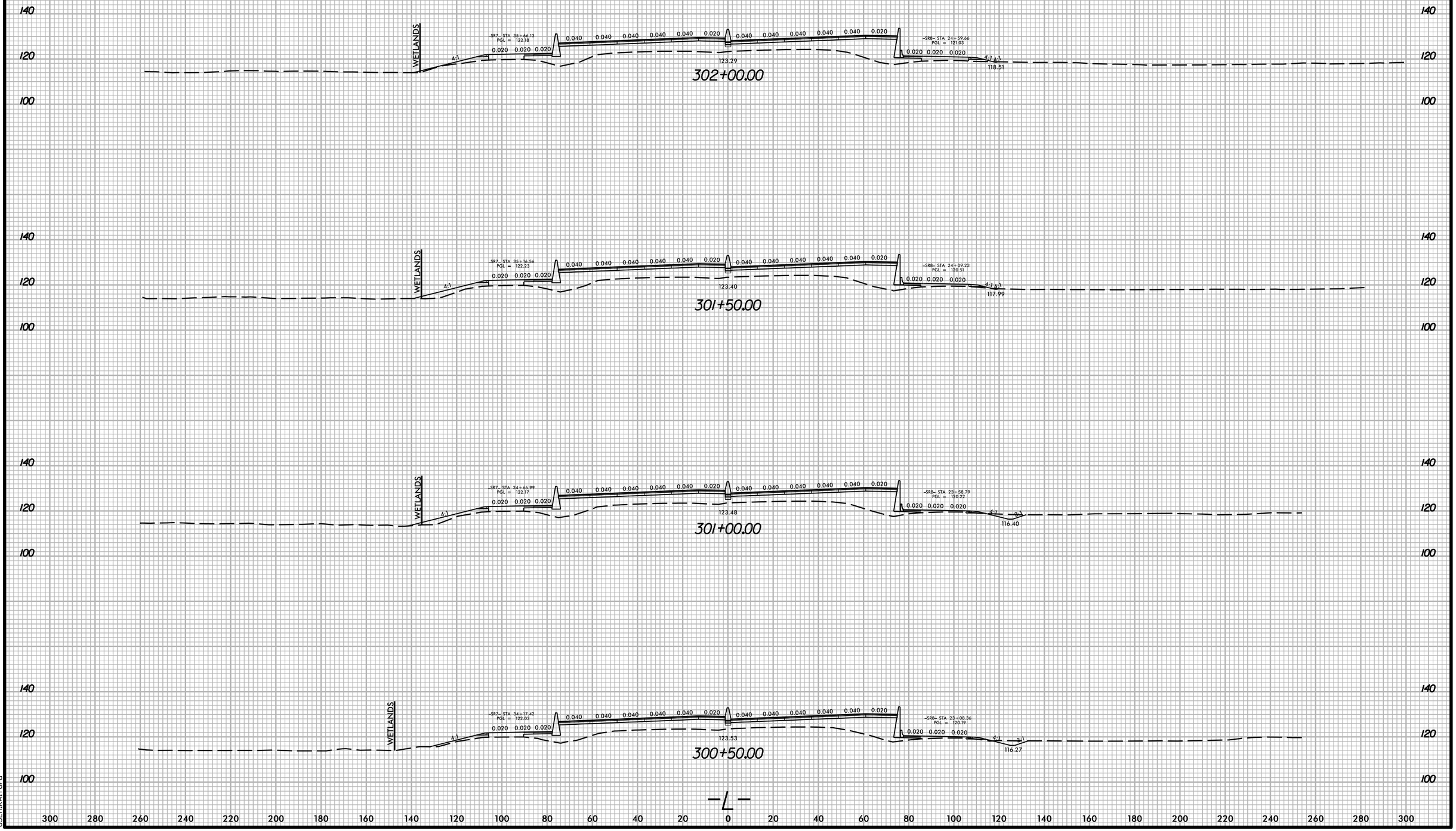
6/23/16

0 10 20	PROJ. REFERENCE NO.	SHEET NO.
	I-6064/I-5879	X-107

300 280 260 240 220 200 180 160 140 120 100 80 60 40 20 0 20 40 60 80 100 120 140 160 180 200 220 240 260 280 300

SITE 10

PERMIT DRAWING
SHEET 37 OF 79



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8/17/99

TS TS TEMPORARY SURFACE WATER IMPACTS

100' 0' 100'
GRAPHIC SCALE

PERMIT DRAWING SHEET 38 OF 79

FLATIRON UNITED INFRASTRUCTURE GROUP

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ICE of Carolinas, PLLC
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Raleigh, North Carolina 27609
Phone: 803-822-0333
License #: P-0999

PROJECT REFERENCE NO.	SHEET NO.
I-6064/I-5879	20
R/W SHEET NO.	
ROADWAY DESIGN ENGINEER	HYDRAULICS ENGINEER

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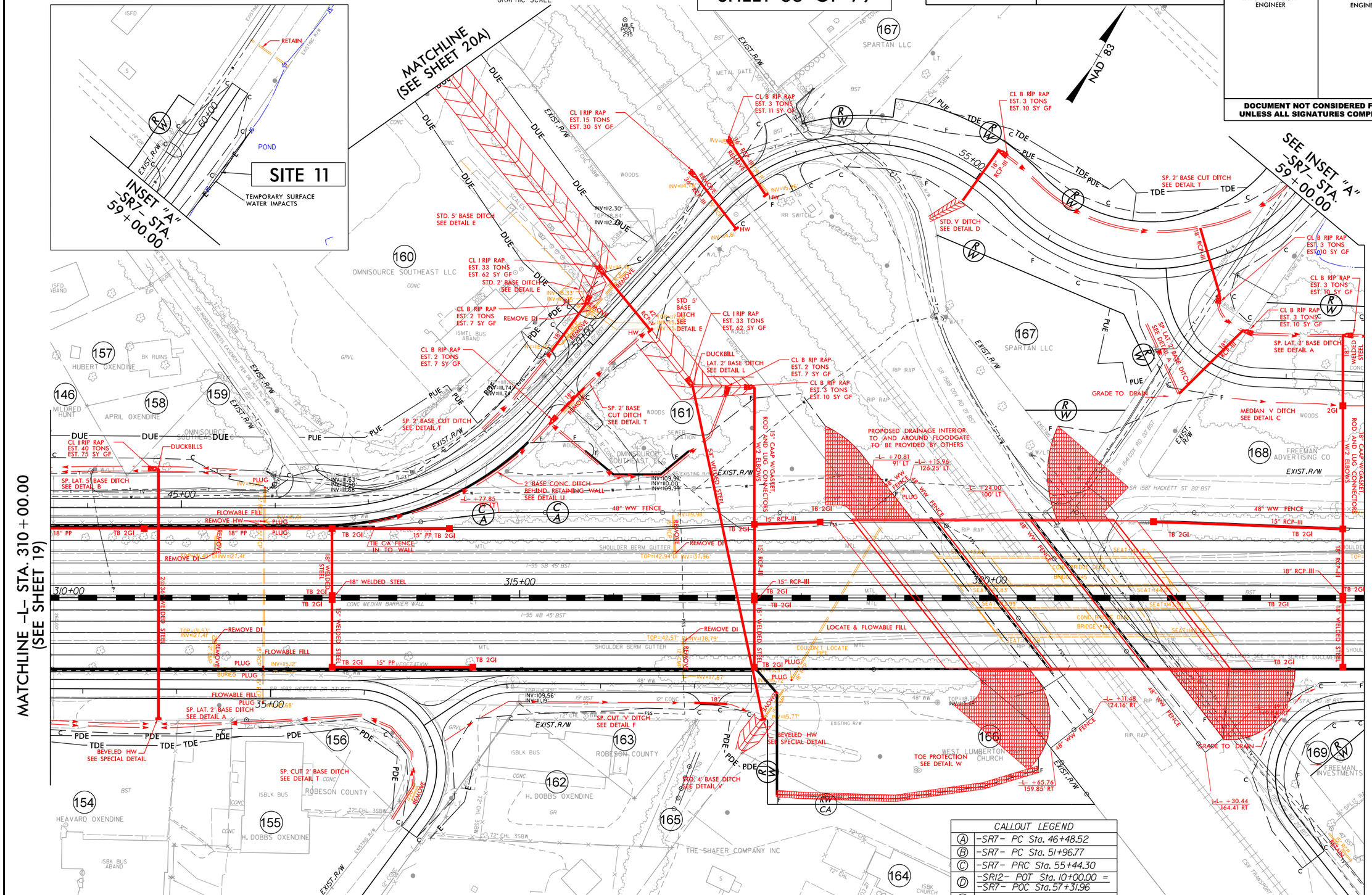

CALLOUT LEGEND	
A	-SR7- PC Sta. 46+48.52
B	-SR7- PC Sta. 51+96.77
C	-SR7- PRC Sta. 55+44.30
D	-SR12- POT Sta. 10+00.00 = -SR7- POC Sta. 57+31.96
E	-SR12- PC Sta. 10+23.77
F	-SR8A- POT Sta. 10+00.00 = -SR8- POC Sta. 36+76.30
G	-SR8A- POT Sta. 13+86.95

PAVEMENT REMOVAL	FOR -L- PROFILE SEE SHT.47	FOR -SR8A- PROFILE SEE SHT.88	FOR -SR8- PROFILE SEE SHT.88	FOR -SR12- PROFILE SEE SHT.95

FOR -SR13- PROFILE SEE SHT.96

FOR -SR7- PROFILE SEE SHTS.86 THRU 87

$DATE$ $TIME$
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PERMIT DRAWING
SHEET 39 OF 79

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License #: P-0999

PROJECT REFERENCE NO.	SHEET NO.
I-6064/I-5879	20
R/W SHEET NO.	
ROADWAY DESIGN ENGINEER	HYDRAULICS ENGINEER

DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED

TS TS TEMPORARY SURFACE WATER IMPACTS

100' 0' 100'
GRAPHIC SCALE

NAD 83

MATCHLINE (SEE SHEET 20A)

SEE INSET "A" -SR7- STA. 59+00.00

INSET "A" -SR7- STA. 59+00.00

SITE 11

POND

TEMPORARY SURFACE WATER IMPACTS

RETAIN

MATCHLINE -L- STA. 310+00.00 (SEE SHEET 19)

MATCHLINE -L- STA. 324+00.00 (SEE SHEET 21)

PROPOSED DRAINAGE INTERIOR TO AND AROUND FLOODGATE TO BE PROVIDED BY OTHERS

CALLOUT LEGEND	
(A)	-SR7- PC Sta. 46+48.52
(B)	-SR7- PC Sta. 51+96.77
(C)	-SR7- PRC Sta. 55+44.30
(D)	-SR12- POT Sta. 10+00.00 = -SR7- POC Sta. 57+31.96
(E)	-SR12- PC Sta. 10+23.77
(F)	-SR8A- POT Sta. 10+00.00 = -SR8- POC Sta. 36+76.30
(G)	-SR8A- POT Sta. 13+86.95

PAVEMENT REMOVAL	FOR -L- PROFILE SEE SHT. 47	FOR -SR8A- PROFILE SEE SHT. 88	FOR -SR8- PROFILE SEE SHT. 88	FOR -SR12- PROFILE SEE SHT. 95

FOR -SR13- PROFILE SEE SHT. 96

FOR -SR7- PROFILE SEE SHTS. 86 THRU 87

$DATE$
$TIME$
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Matt Harvey

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License #: P-0999

PROJECT REFERENCE NO.	SHEET NO.
I-6064/I-5879	20A
R/W SHEET NO.	
ROADWAY DESIGN ENGINEER	HYDRAULICS ENGINEER

DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED

PERMIT DRAWING SHEET 40 OF 79

WETLAND EXCAVATION

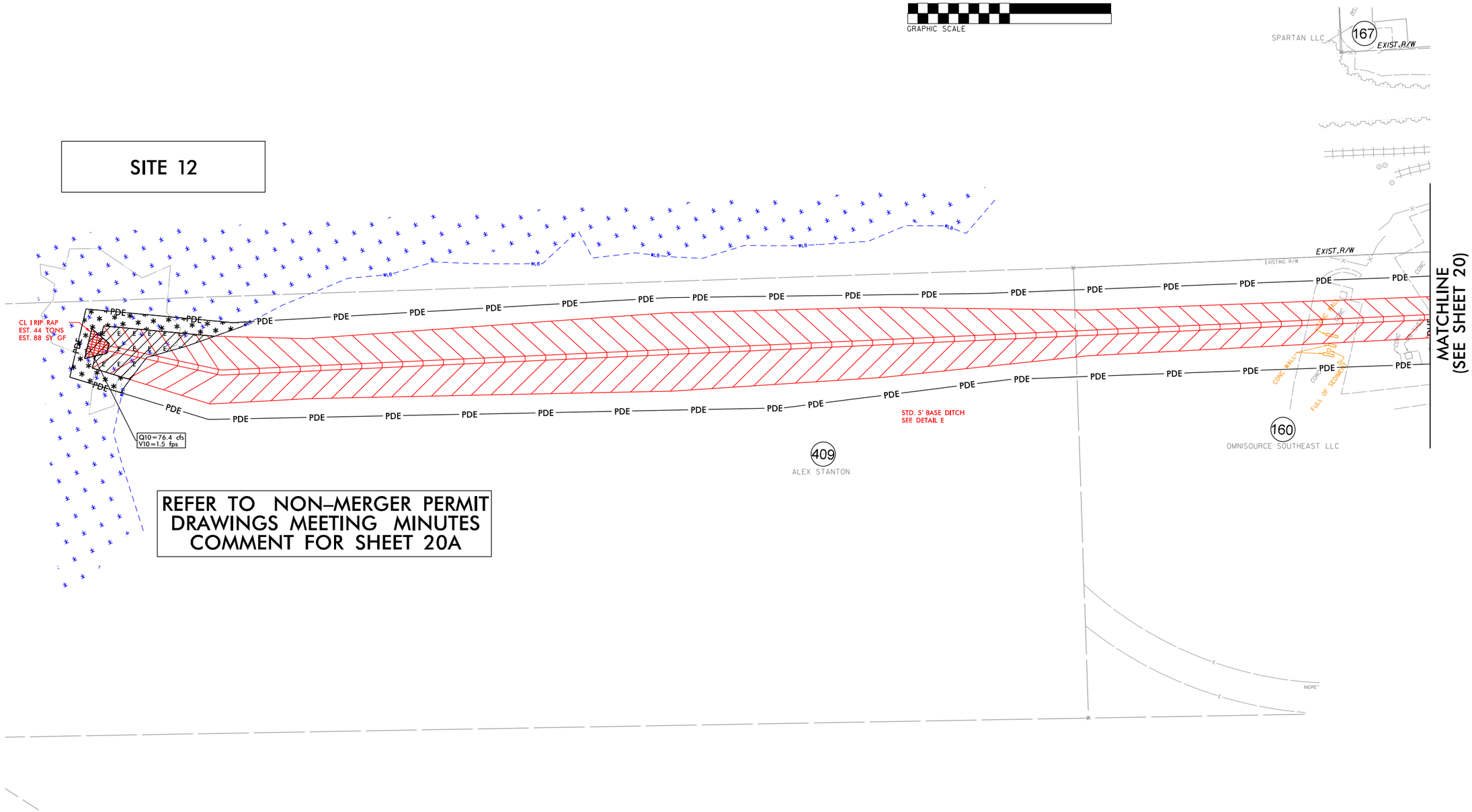
FILL IN WETLAND

MECHANIZED CLEARING (GRUBBING)

NAD 83

100' 0' 100'

GRAPHIC SCALE



REFER TO NON-MERGER PERMIT DRAWINGS MEETING MINUTES COMMENT FOR SHEET 20A

8/17/99

$DATE$ $TIME$
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KAlford

FLATIRON UNITED INFRASTRUCTURE GROUP

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4505 Falls of Neuse Road, Suite 110
Raleigh, North Carolina 27609
Phone: 803-822-0333
License #: P-0999

PROJECT REFERENCE NO.	SHEET NO.
I-6064/I-5879	20A
R/W SHEET NO.	
ROADWAY DESIGN ENGINEER	HYDRAULICS ENGINEER

DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED

PERMIT DRAWING SHEET 41 OF 79

WETLAND EXCAVATION

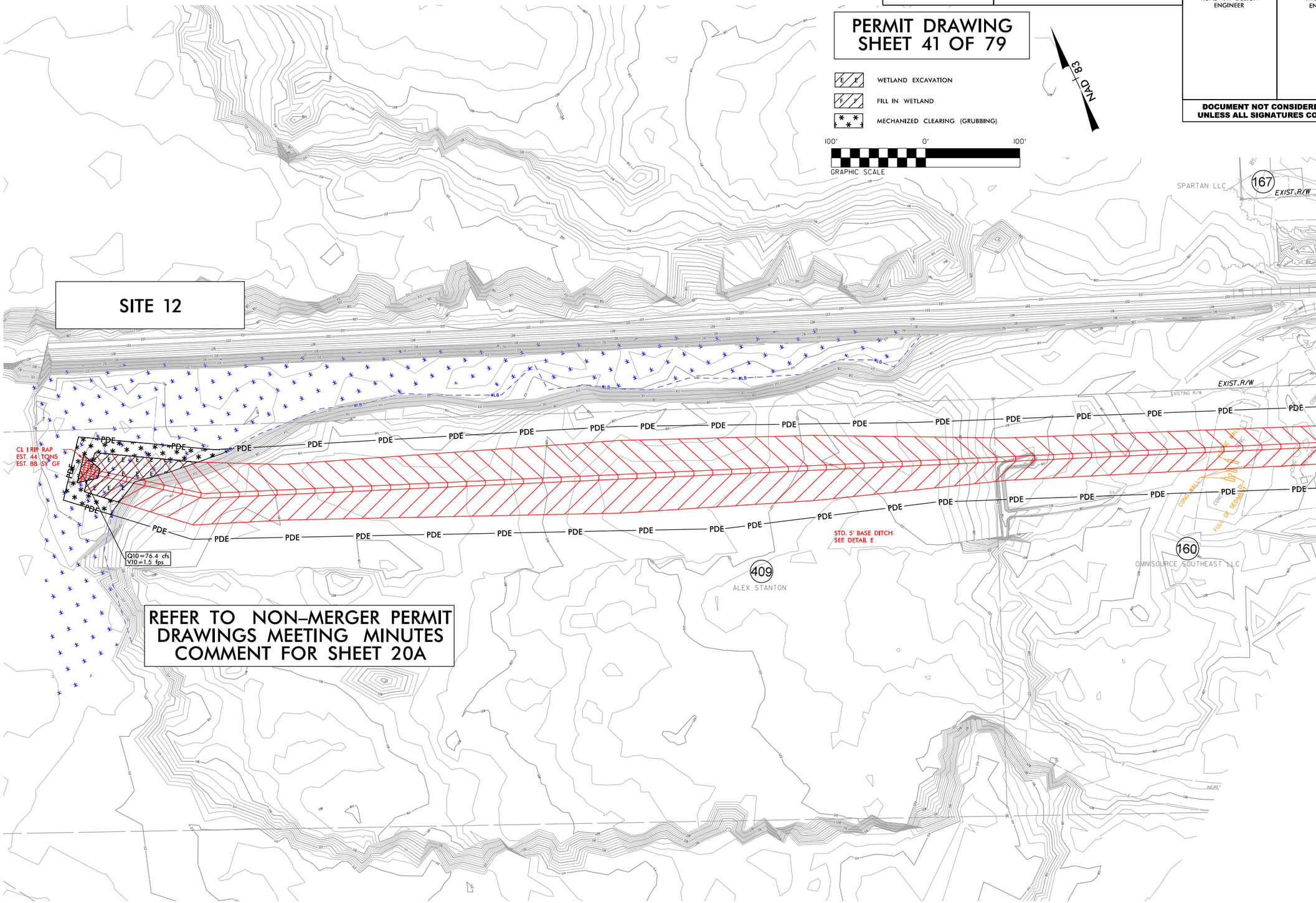
FILL IN WETLAND

MECHANIZED CLEARING (GRUBBING)

100' 0' 100'

GRAPHIC SCALE

NAD 83



REFER TO NON-MERGER PERMIT DRAWINGS MEETING MINUTES COMMENT FOR SHEET 20A

8/17/99

$DATE$ $TIME$
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ICE of CAROLINAS, PLLC

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Raleigh, North Carolina 27609
Phone: 803-822-0333
License #: P-0999

PROJECT REFERENCE NO.	SHEET NO.
I-6064/I-5879	21
R/W SHEET NO.	
ROADWAY DESIGN ENGINEER	HYDRAULICS ENGINEER

DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED

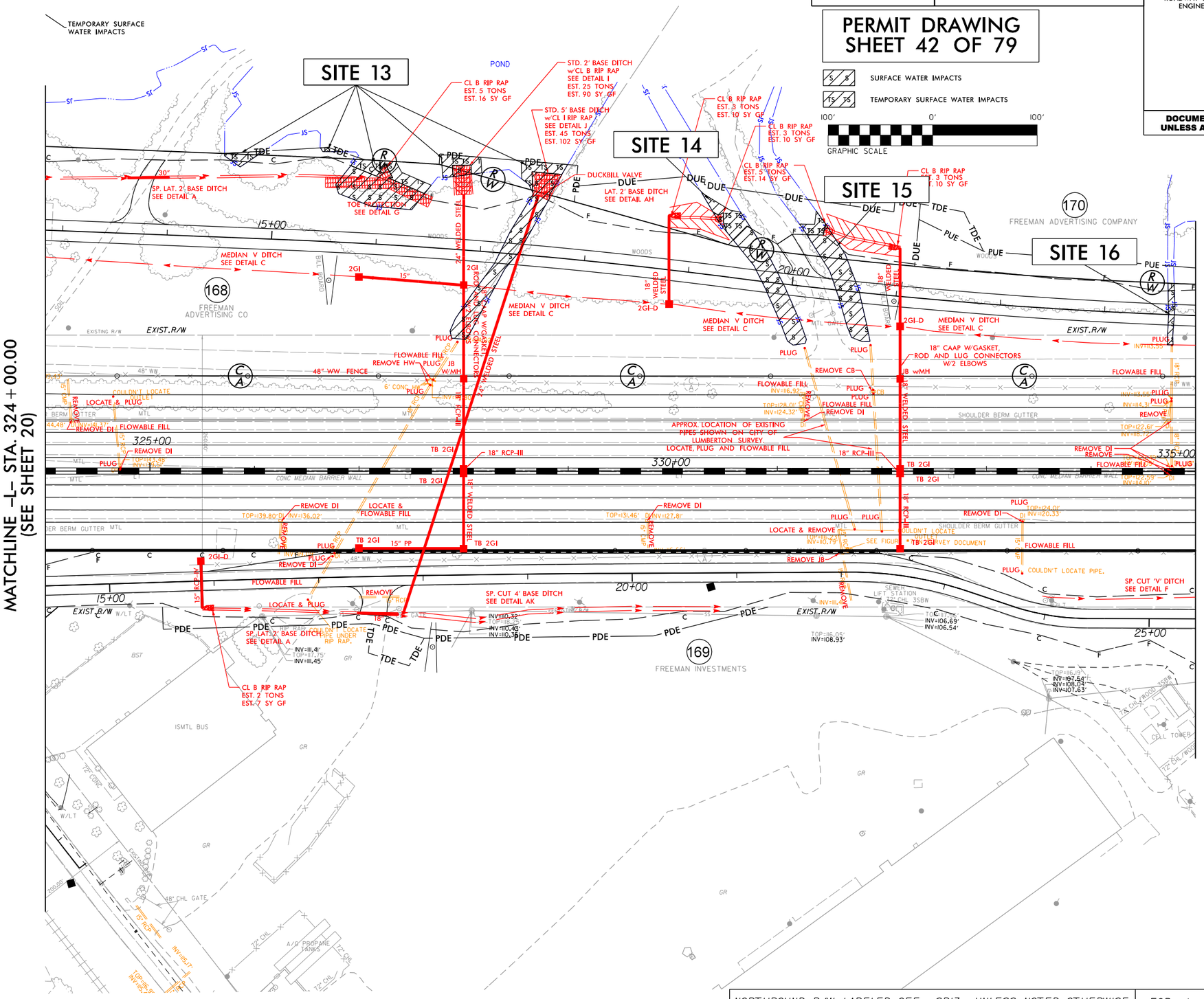
PERMIT DRAWING SHEET 42 OF 79

SURFACE WATER IMPACTS

TEMPORARY SURFACE WATER IMPACTS

100' 0' 100'

GRAPHIC SCALE



NORTHBOUND R/W LABELED OFF -SR13- UNLESS NOTED OTHERWISE.		FOR -L- PROFILE SEE SHT.47
SOUTHBOUND R/W LABELED OFF -SR12- UNLESS NOTED OTHERWISE.	FOR -SR12- PROFILE SEE SHT.95	FOR -SR13- PROFILE SEE SHT.96

8/17/99

$DATE$ $TIME$
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MHarvey

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PROJECT REFERENCE NO.	SHEET NO.
I-6064/I-5879	21
R/W SHEET NO.	
ROADWAY DESIGN ENGINEER	HYDRAULICS ENGINEER

DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED

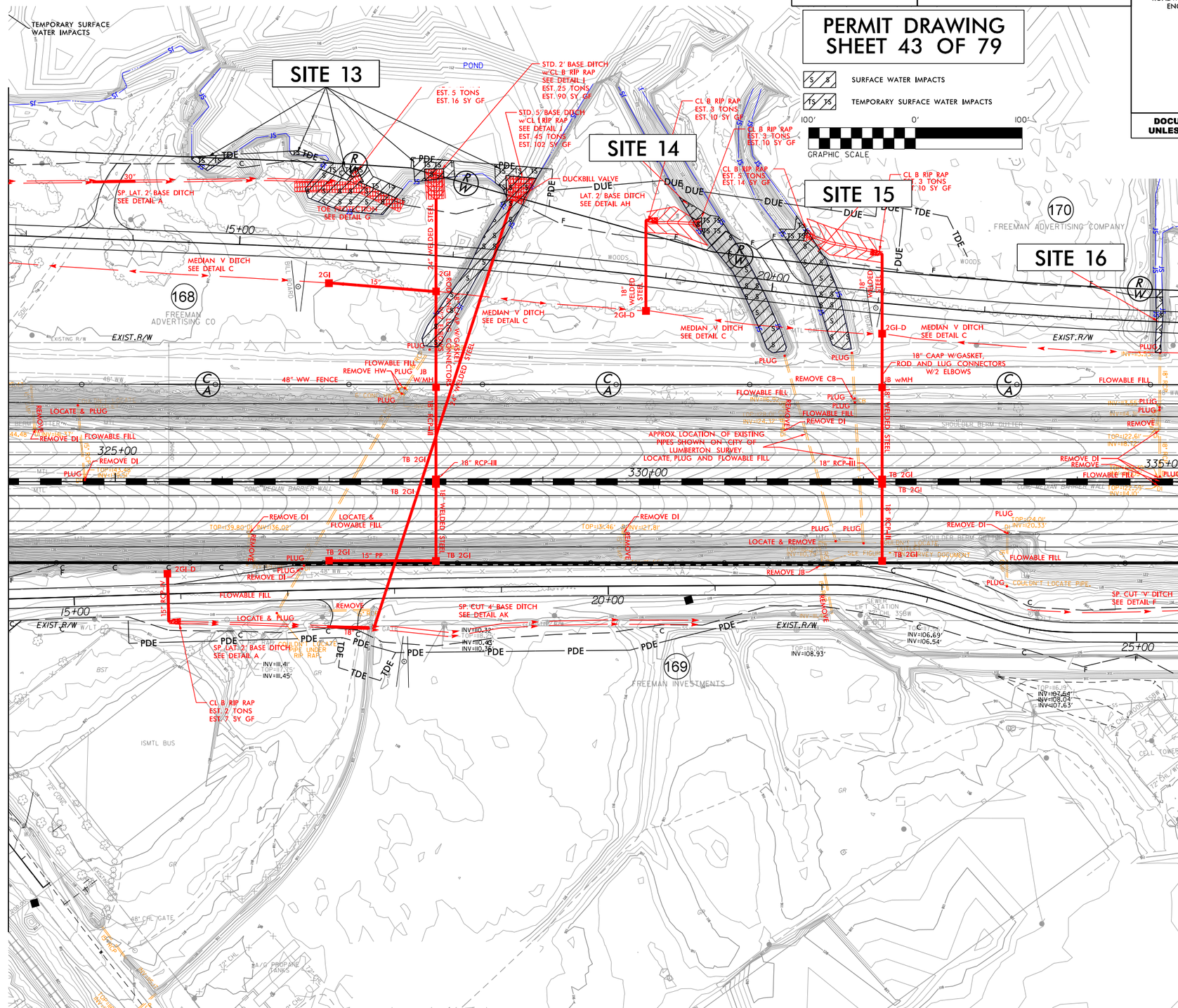
PERMIT DRAWING SHEET 43 OF 79

SURFACE WATER IMPACTS

TEMPORARY SURFACE WATER IMPACTS

100' 0' 100'

GRAPHIC SCALE



NORTHBOUND R/W LABELED OFF -SR13- UNLESS NOTED OTHERWISE.		FOR -L- PROFILE SEE SHT.47
SOUTHBOUND R/W LABELED OFF -SR12- UNLESS NOTED OTHERWISE.	FOR -SR12- PROFILE SEE SHT.95	FOR -SR13- PROFILE SEE SHT.96

8/17/99

$DATE$ $TIME$
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PROJECT REFERENCE NO.	SHEET NO.
I-6064/I-5879	22
R/W SHEET NO.	
ROADWAY DESIGN ENGINEER	HYDRAULICS ENGINEER

DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED

PERMIT DRAWING SHEET 44 OF 79

E E WETLAND EXCAVATION
F F FILL IN WETLAND
S S SURFACE WATER IMPACTS
TS TS TEMPORARY SURFACE WATER IMPACTS
MECHANIZED CLEARING (GRUBBING)

100' 0' 100'
GRAPHIC SCALE

NAD 83

MATCHLINE –L– STA. 335+00.00
(SEE SHEET 21)

MATCHLINE –L– STA. 347+00.00
(SEE SHEET 23)

SITE 17

SITE 18

POND

POND

171 THE CITY OF LUMBERTON

170 FREEMAN ADVERTISING COMPANY

172 N.C. STATE HIGHWAY AND PUBLIC WORKS COMMISSION

169 FREEMAN INVESTMENTS

174 STATE HIGHWAY AND PUBLIC WORKS COMMISSION

175 CITY OF LUMBERTON

BM=15

CL B RIP RAP EST. 3 TONS EST. 10 SY GF

CL I RIP RAP EST. 48 TONS EST. 89 SY GF

CL I RIP RAP EST. 20 TONS EST. 39 SY GF

CL B RIP RAP EST. 5 TONS EST. 14 SY GF

CL B RIP RAP EST. 8 TONS EST. 21 SY GF

LAT. 2' BASE DITCH SEE DETAIL AH

LAT. 5' BASE DITCH SEE DETAIL AO

LAT. 7' BASE DITCH SEE DETAIL AL

SP. CUT 'V' DITCH SEE DETAIL F

3' BASE CLEANOUT SEE DETAIL AF

DUCKBILL

TOP PROTECTION SEE DETAIL AG

Q10=1.2 cfs
V10=1.4 fps

2GI 18" CAAP W/GASKET, ROD AND LUG CONNECTORS W/2 ELBOWS

2GI-D

FS

MEDIAN V DITCH SEE DETAIL C

FLOWABLE FILL

18" WELDED STEEL

18" RCP-III

15" RCP-IV

24" RCP-III

24" RCP-IV

TB 2GI

JB w/MH

SP DET. TB 18 w/MH (DROP STRUCTURE)

CONC MEDIAN BARRIER WALL

I95 SBL VARIABLE WIDTH BST

I95 NBL VARIABLE WIDTH BST

SR 1591 CRYSTAL RD 19' BST

SR 1587 HACKETT RD 20' BST

64' BST

48" WW & ISBW

335+00 340+00 345+00 25+00 30+00 35+00

NORTHBOUND R/W LABELED OFF -SRI3- UNLESS NOTED OTHERWISE.	FOR -L- PROFILE SEE SHT.48
SOUTHBOUND R/W LABELED OFF -SRI2- UNLESS NOTED OTHERWISE.	FOR -SRI2- PROFILE SEE SHT.95 / FOR -SRI3- PROFILE SEE SHT.96

$DATE$ $TIME$
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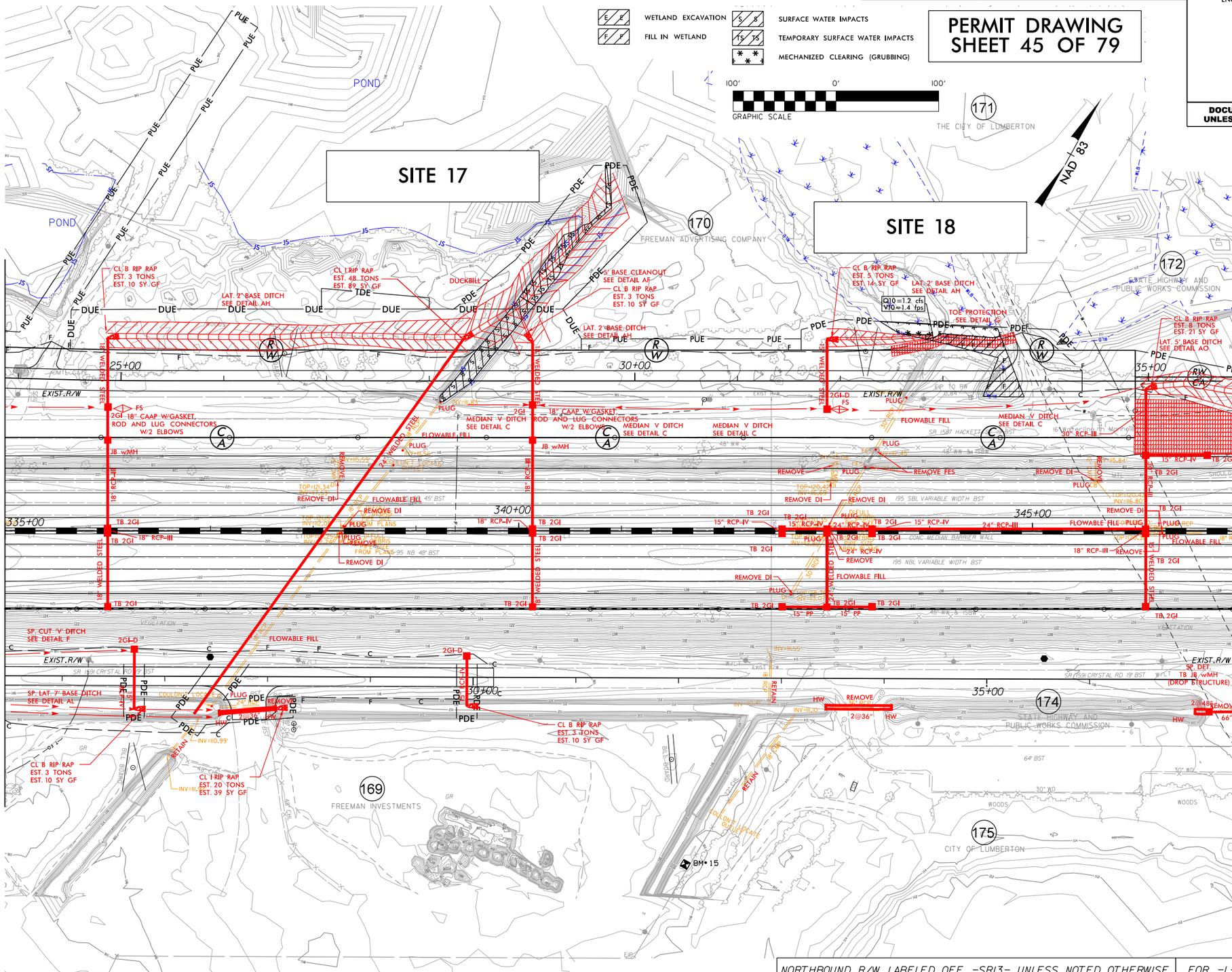
PROJECT REFERENCE NO.	SHEET NO.
I-6064/I-5879	22
R/W SHEET NO.	
ROADWAY DESIGN ENGINEER	HYDRAULICS ENGINEER

DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED

PERMIT DRAWING SHEET 45 OF 79

WETLAND EXCAVATION
FILL IN WETLAND
SURFACE WATER IMPACTS
TEMPORARY SURFACE WATER IMPACTS
MECHANIZED CLEARING (GRUBBING)

GRAPHIC SCALE 100' 0' 100'



NORTHBOUND R/W LABELED OFF -SR13- UNLESS NOTED OTHERWISE.		FOR -L- PROFILE SEE SHT.48
SOUTHBOUND R/W LABELED OFF -SR12- UNLESS NOTED OTHERWISE.	FOR -SR12- PROFILE SEE SHT.95	FOR -SR13- PROFILE SEE SHT.96

8/17/99

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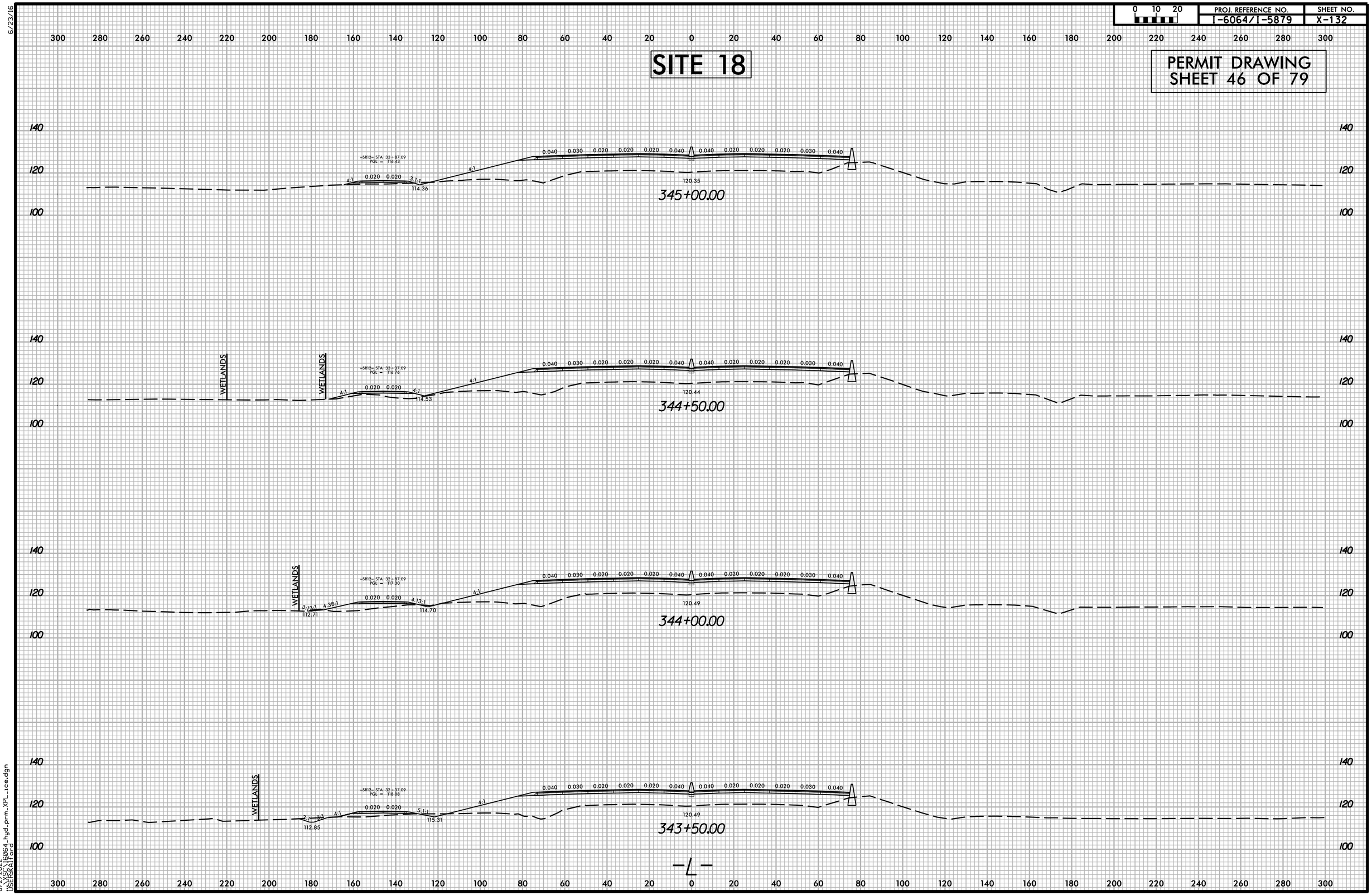
MHarvey



6/23/16

8/2/2022
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USER:KAlford

8/17/99

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PROJECT REFERENCE NO.	SHEET NO.
I-6064/I-5879	23
RW SHEET NO.	
ROADWAY DESIGN ENGINEER	HYDRAULICS ENGINEER

DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED

PERMIT DRAWING SHEET 47 OF 79

100' 0' 100'
GRAPHIC SCALE

F F FILL IN WETLAND
C * * S MECHANIZED CLEARING (GRUBBING)
E E WETLAND EXCAVATION
HC HC HAND CLEARING (NON-GRUBBING)
S S SURFACE WATER IMPACTS
TS TS TEMPORARY SURFACE WATER IMPACTS
T T TEMPORARY FILL IN WETLAND

MATCHLINE -L- STA. 347+00.00 (SEE SHEET 22)

MATCHLINE -L- STA. 360+00.00 (SEE SHEET 24)

SITE 19

SITE 19

SITE 19

SITE 19

Lumber River

Saddletree Swamp

173 THE CITY OF LUMBERTON
176 THE CITY OF LUMBERTON
172 STATE HIGHWAY AND PUBLIC WORKS COMMISSION
178 THE LUMBER RIVER CONSERVANCY
177 THE LUMBER RIVER CONSERVANCY
179 JAMES N. BRITT III
181 THE LUMBER RIVER CONSERVANCY
182 THE LUMBER RIVER CONSERVANCY
183 JAMES N. BRITT III
175 CITY OF LUMBERTON

CL I RIP RAP EST. 11 TONS EST. 22 SY GF
CL I RIP RAP EST. 1 TONS EST. 5 SY GF
CAT. 5' BASE DITCH SEE DETAIL AO
Q10=1.2 cfs V10=2.4 fps
CL II RIP RAP ROCK PLATING
15" CAAP W/GASKET, ROD AND LUG CONNECTORS W/2 ELBOWS
EST. 2 TONS EST. 7 SY GF +60.00 150.00 LT
15" CAAP W/GASKET ROD AND LUG CONNECTORS W/2 ELBOWS
TEMP WW FENCE TO BRIDGE
EXIST. R/W
WOODS
LUMBER RIVER
WALL SCOUR COUNTERMEASURE
25' WATER AND SEWER DISPOSAL EASEMENT DB 46 PG 49
48" RW & ISBA
16"
CL I HC CAP
REMOVE
PLUG
FLOWABLE FILL
BERM GUTTER
TOP=120.65' INV=117.07'
TOP=120.52' INV=117.07'
REMOVE DI
15" RCP-III
TB 2GI
350+00
355+00
360+00
15" WELDED STEEL
TOP=121.82' INV=119.32'
TOP=121.67' INV=118.06'
TOP=119.14' INV=99.14'
23' BST
15' BST
8' BST
5' BST
195 SBL VARIABLE WIDTH BST
195 NBL VARIABLE WIDTH 24' BST
MTL
CONC MEDIAN BARRIER WALL
REMOVE CONCRETE DITCH
72" CONC
STRUCTURE EXCAVATION
BRIDGE #147
CONC
BRIDGE SEAT=119.50'
BRIDGE SEAT=119.51'
18" WELDED STEEL
24" WELDED STEEL
TB 2GI
24" PP
THE RIVER WALK 8' BST
EXIST. R/W
PUE
SP. DET. TB JB w/MH (DROP STRUCTURE)
TERMINUS UNKNOWN
CL I RIP RAP EST. 48 TONS EST. 89 SY GF
66" CMP REMOVE
HW
WLB
9' GR
JS HORNET

NORTHBOUND R/W LABELED OFF -L- UNLESS NOTED OTHERWISE. | FOR -L- PROFILE SEE SHT.48

SOUTHBOUND R/W LABELED OFF -L- UNLESS NOTED OTHERWISE. | FOR -Y4RPB- PROFILE SEE SHT.61

$DATE$ $TIME$
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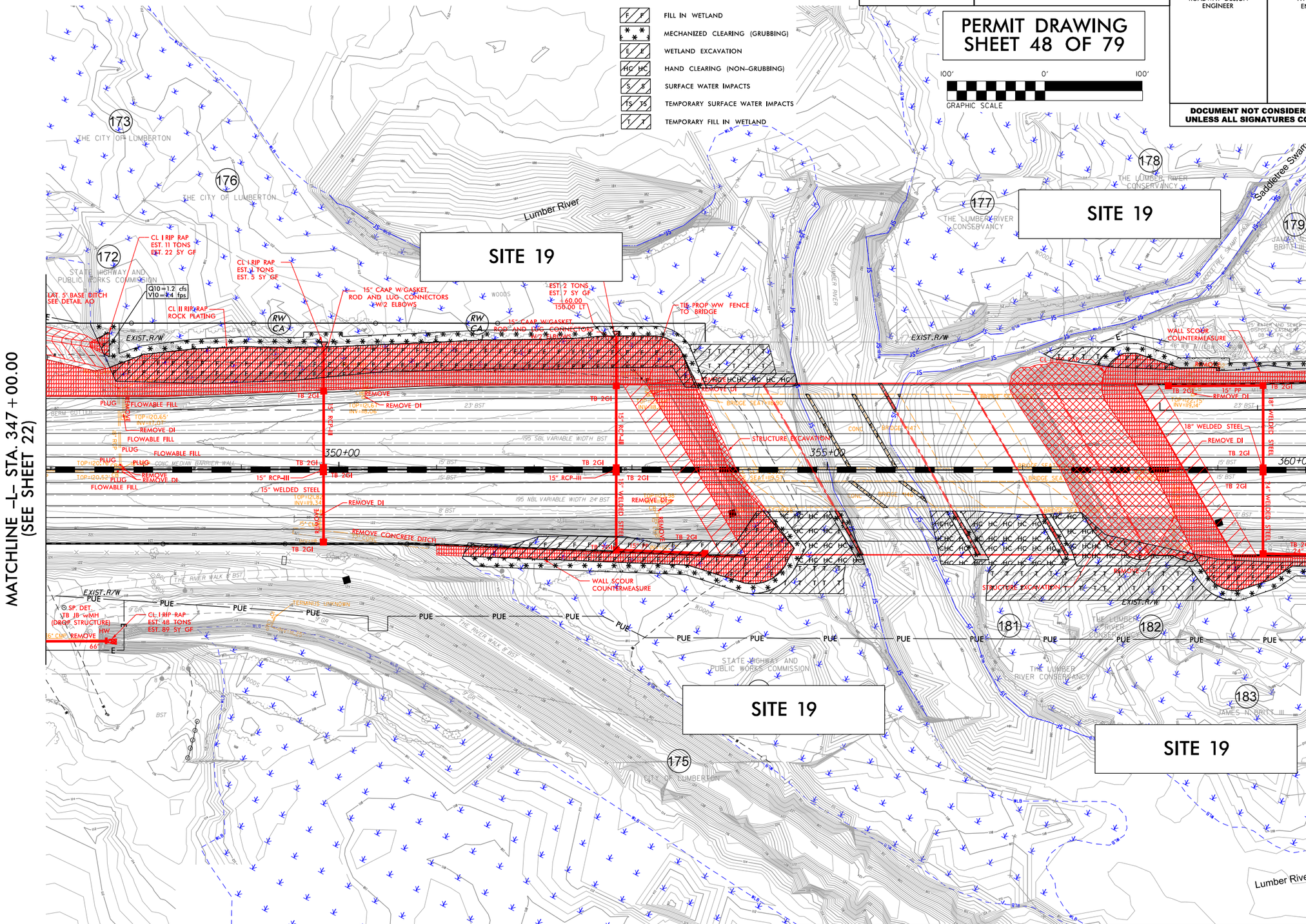
PROJECT REFERENCE NO.	SHEET NO.
I-6064/I-5879	23
R/W SHEET NO.	
ROADWAY DESIGN ENGINEER	HYDRAULICS ENGINEER

DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED

PERMIT DRAWING SHEET 48 OF 79

100' 0' 100'
GRAPHIC SCALE

- FILL IN WETLAND
- MECHANIZED CLEARING (GRUBBING)
- WETLAND EXCAVATION
- HAND CLEARING (NON-GRUBBING)
- SURFACE WATER IMPACTS
- TEMPORARY SURFACE WATER IMPACTS
- TEMPORARY FILL IN WETLAND



NORTHBOUND R/W LABELED OFF -L- UNLESS NOTED OTHERWISE.	FOR -L- PROFILE SEE SHT.48
SOUTHBOUND R/W LABELED OFF -L- UNLESS NOTED OTHERWISE.	FOR -Y4RPB- PROFILE SEE SHT.61

8/17/99

$DATE$ $TIME$
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5/28/99

BM#15 ELEVATION = 117.97'
-L- STATION 341+62.2, 324.5' RIGHT

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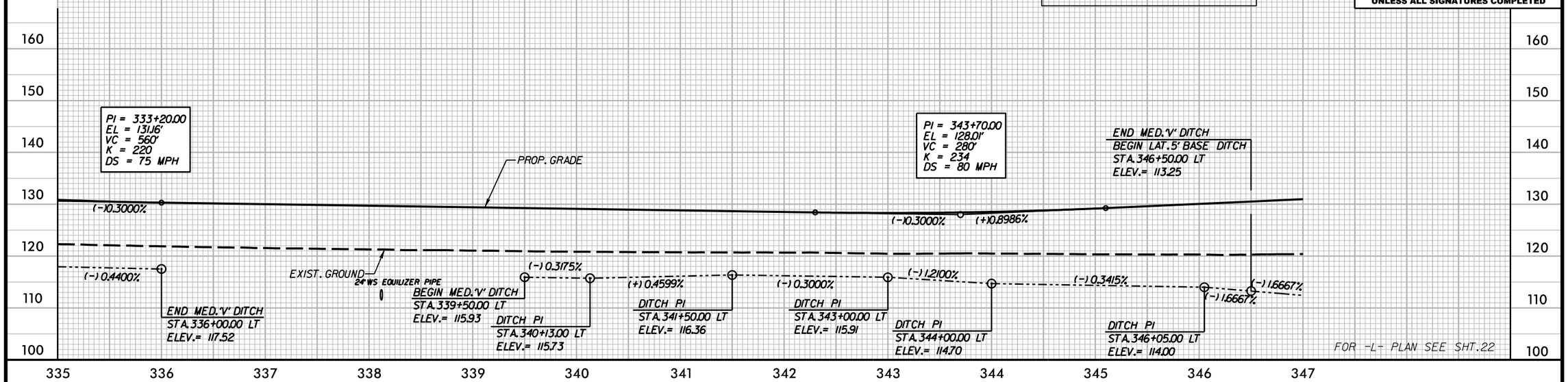
License #: P-0999

PROJECT REFERENCE NO.	SHEET NO.
I-6064/I-5879	48
ROADWAY DESIGN ENGINEER	HYDRAULICS ENGINEER

DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED

-L-

PERMIT DRAWING
SHEET 49 OF 79

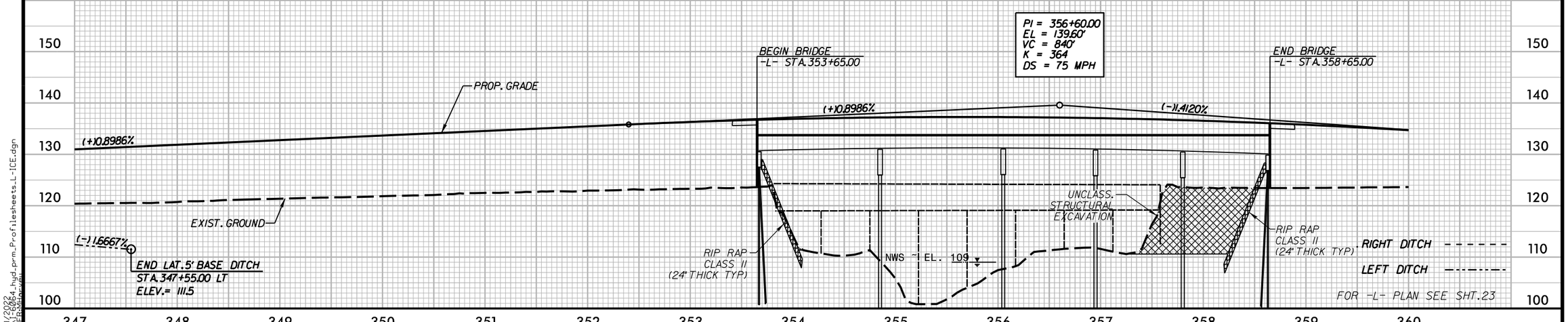


-L-

SITE 19

STRUCTURE HYDRAULIC DATA

DESIGN DISCHARGE	= 15,200	CFS
DESIGN FREQUENCY	= 100	YRS
DESIGN HW ELEVATION	= 124.8	FT
BASE DISCHARGE	= 15,200	CFS
BASE FREQUENCY	= 100	YRS
BASE HW ELEVATION	= 124.8	FT
OVERTOPPING DISCHARGE	= n/a	CFS
OVERTOPPING FREQUENCY	= n/a	YRS
OVERTOPPING ELEVATION	= 131.20	FT



9/1/2022
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USER:MHarvey



6/23/16

8/2/2022
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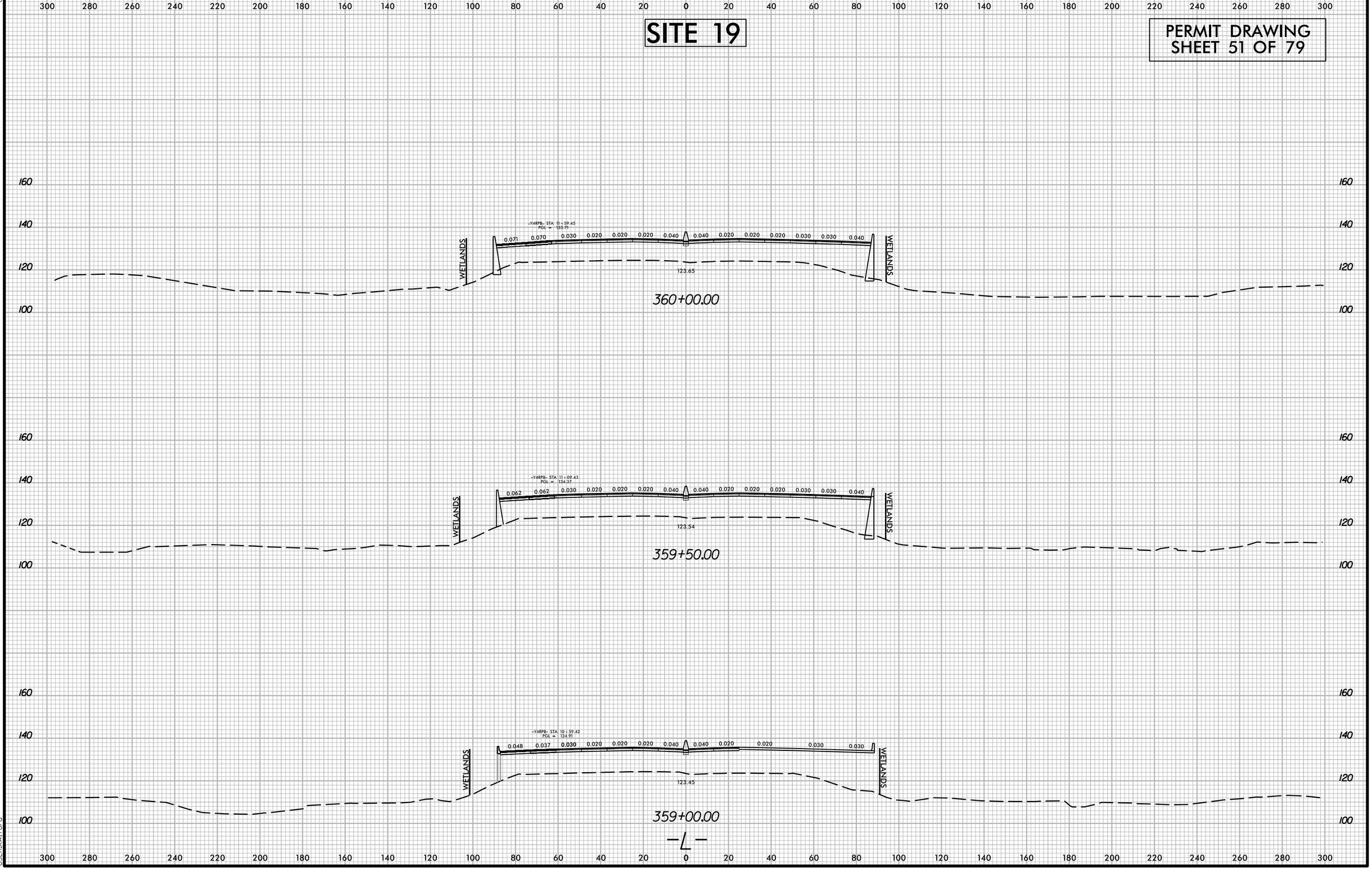
USER:KAlford



6/23/16

8/2/2022
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USER:KAlford

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	ICE of Carolinas, PLLC 4525 Falls of Neuse Road, Suite 110 Raleigh, North Carolina 27609 Phone: 919-422-0222 License #: P-0698

PROJECT REFERENCE NO.	SHEET NO.
I-6064/I-5879	24
R/W SHEET NO.	
ROADWAY DESIGN ENGINEER	HYDRAULICS ENGINEER

DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED

PERMIT DRAWING
SHEET 52 OF 79

F F FILL IN WETLAND

* * MECHANIZED CLEARING (GRUBBING)

RALEIGH 53

GRAPHIC SCALE 200' 0' 200'

MATCHLINE -Y4- STA. 19+00.00 (SEE SHEET 32)

SEE SHEET 55 OF 79 FOR ENLARGED VIEW

SITE 22

SITE 20

SITE 21

MATCHLINE -L- STA. 360+00.00 (SEE SHEET 23)

MATCHLINE -L- STA. 387+00.00 (SEE SHEET 25)

MATCHLINE -Y4- STA. 35+00.00 (SEE SHEET 33)

Lumber River

CALLOUT LEGEND	
A	-SR1- POT Sta. 10+00.00 = -Y4- POT Sta. 23+42.49
B	-RAB1- POC Sta. 22+00.00 = -RAB1- POC Sta. 23+58.14
C	-SR1- PC Sta. 10+94.22
D	-Y4RPC- PT Sta. 22+50.79
E	-Y4RPC- POT Sta. 22+67.33
F	-SR2- POT Sta. 10+00.00 = -Y4- POT Sta. 37+76.45
G	-RAB2- POC Sta. 10+00.00 = -RAB2- POT Sta. 33+58.14

		FOR -L- PROFILE SEE SHT. 49
FOR -SR1- PROFILE SEE SHT. 69	FOR -Y4- PROFILE SEE SHT. 59	FOR -Y4RPB- PROFILE SEE SHT. 61
FOR -SR2- PROFILE SEE SHTS. 71 THRU 72	FOR -RAB1- PROFILE SEE SHT. 60	FOR -Y4RPC- PROFILE SEE SHT. 62
FOR -Y4RPA- PROFILE SEE SHTS. 60 THRU 61	FOR -RAB2- PROFILE SEE SHT. 60	FOR -Y4RPD- PROFILE SEE SHT. 62

GRAPHIC SCALE
50 25 0 50 100
PLANS

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PROJECT REFERENCE NO.	SHEET NO.
I-6064/I-5879	24
R/W SHEET NO.	
ROADWAY DESIGN ENGINEER	HYDRAULICS ENGINEER

DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED

PERMIT DRAWING
SHEET 53 OF 79

F F FILL IN WETLAND

MECHANIZED CLEARING (GRUBBING)

GRAPHIC SCALE 200' 0' 200'

SITE 20

SITE 21

SITE 22

MATCHLINE -Y4- STA. 19+00.00 (SEE SHEET 32)

MATCHLINE -L- STA. 360+00.00 (SEE SHEET 23)

MATCHLINE -Y4- STA. 35+00.00 (SEE SHEET 39)

MATCHLINE -L- STA. 387+00.00 (SEE SHEET 25)

SEE SHEET 25 OF 79 FOR ENLARGED VIEW

SEE SHEET 24 OF 79 FOR ENLARGED VIEW

Lumber River

CALLOUT LEGEND
Ⓐ -SR1- POT Sta. 10+70.00 = -Y4- POT Sta. 23+42.49
Ⓑ -RAB1- POC Sta. 20+00.00 = -RAB1- POT Sta. 23+58.14
Ⓒ -SR1- PC Sta. 10+94.22
Ⓓ -Y4RPC- PT Sta. 22+50.79
Ⓔ -Y4RPC- POT Sta. 22+67.33
Ⓕ -SR2- POT Sta. 10+50.00 = -Y4- POT Sta. 31+76.42
Ⓖ -RAB2- POC Sta. 10+00.00 = -RAB2- POT Sta. 33+58.14

FOR -SR1- PROFILE SEE SHT.69	FOR -Y4- PROFILE SEE SHT.59	FOR -L- PROFILE SEE SHT.49
		FOR -Y4RPB- PROFILE SEE SHT.61
FOR -SR2- PROFILE SEE SHTS.71 THRU 72	FOR -RAB1- PROFILE SEE SHT.60	FOR -Y4RPC- PROFILE SEE SHT.62
FOR -Y4RPA- PROFILE SEE SHTS.60 THRU 61	FOR -RAB2- PROFILE SEE SHT.60	FOR -Y4RPD- PROFILE SEE SHT.62

GRAPHIC SCALE
50 25 0 50 100
PLANS

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4525 Falls of Neuse Road, Suite 110
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Phone: 833-423-2323
License #: P-0898

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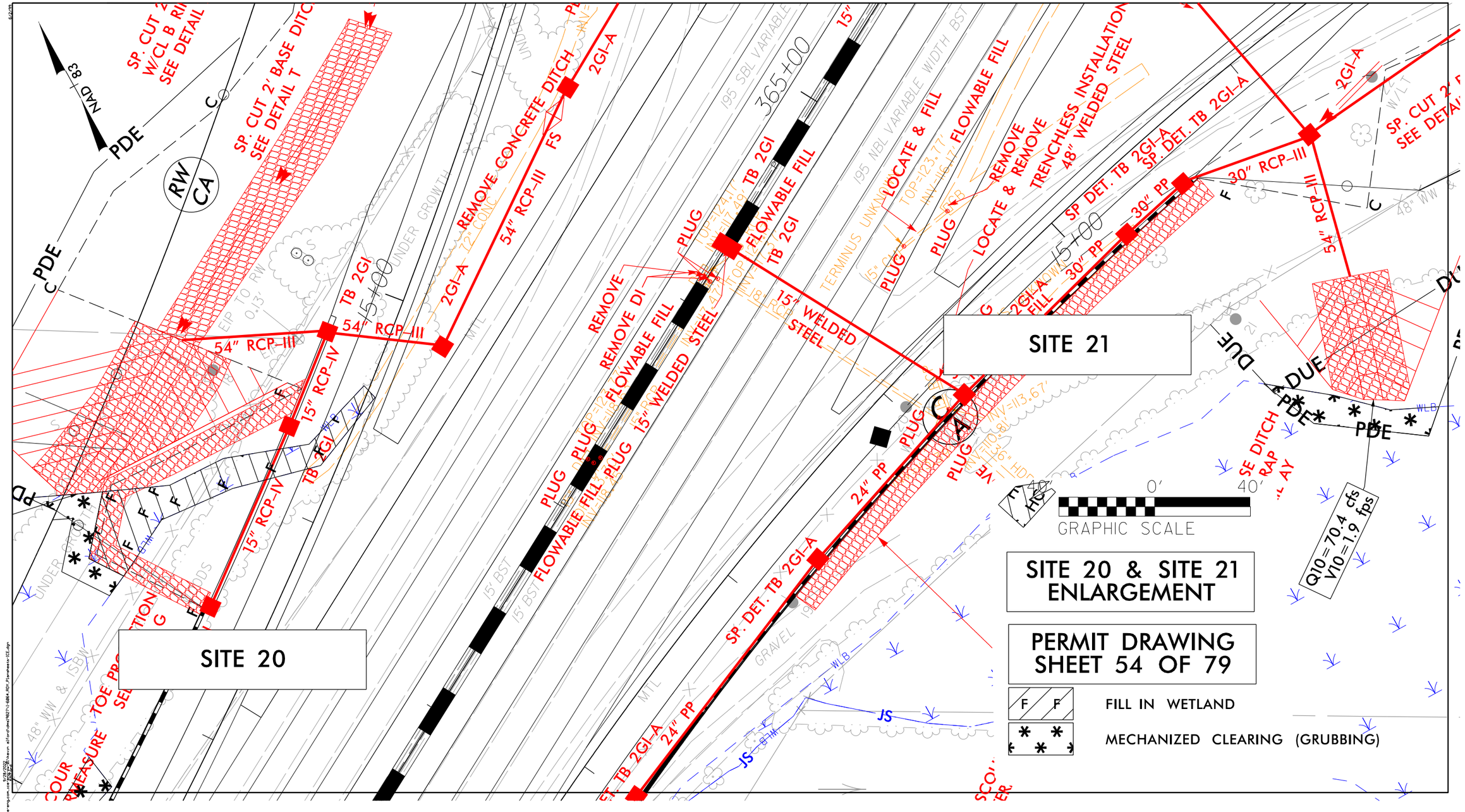
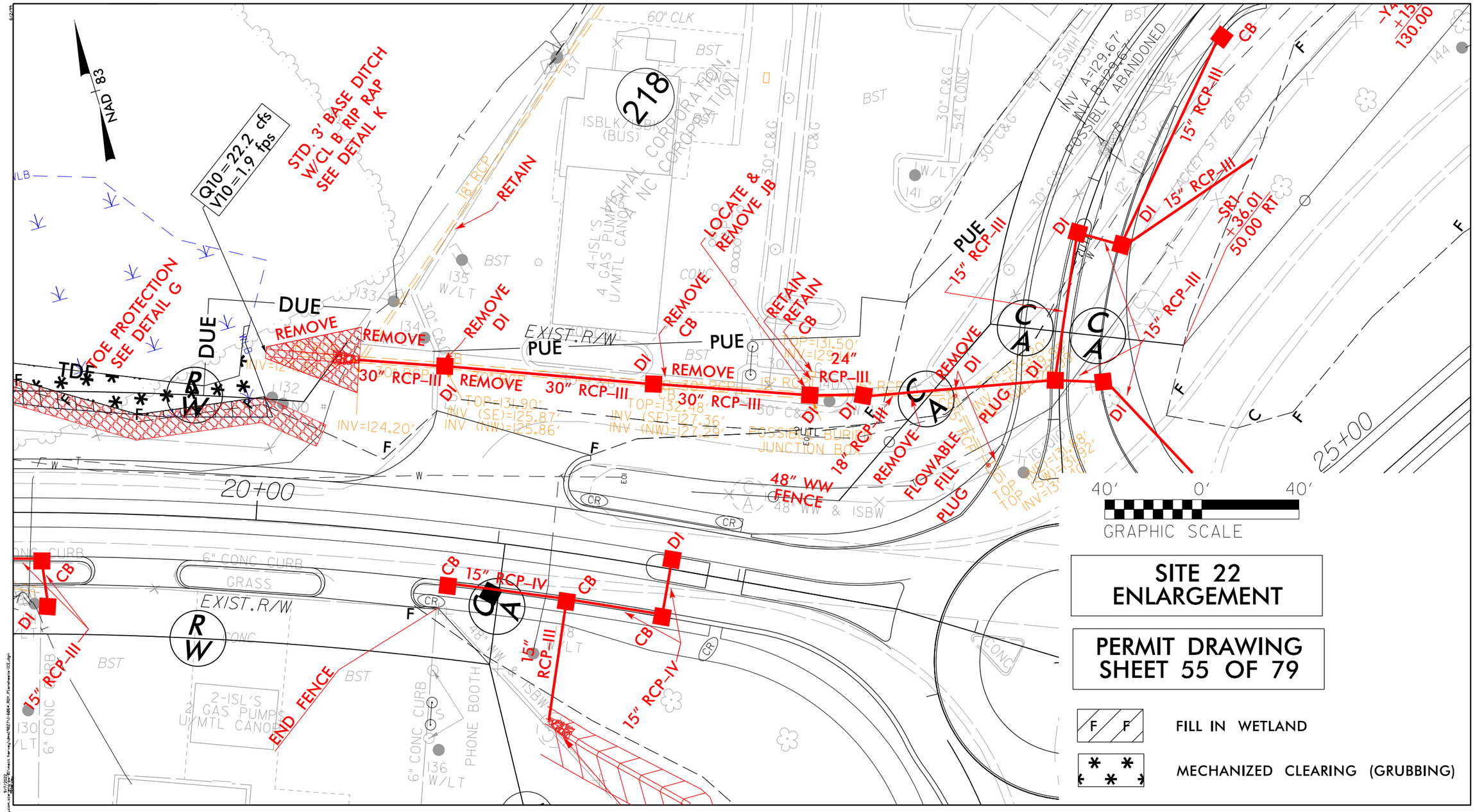
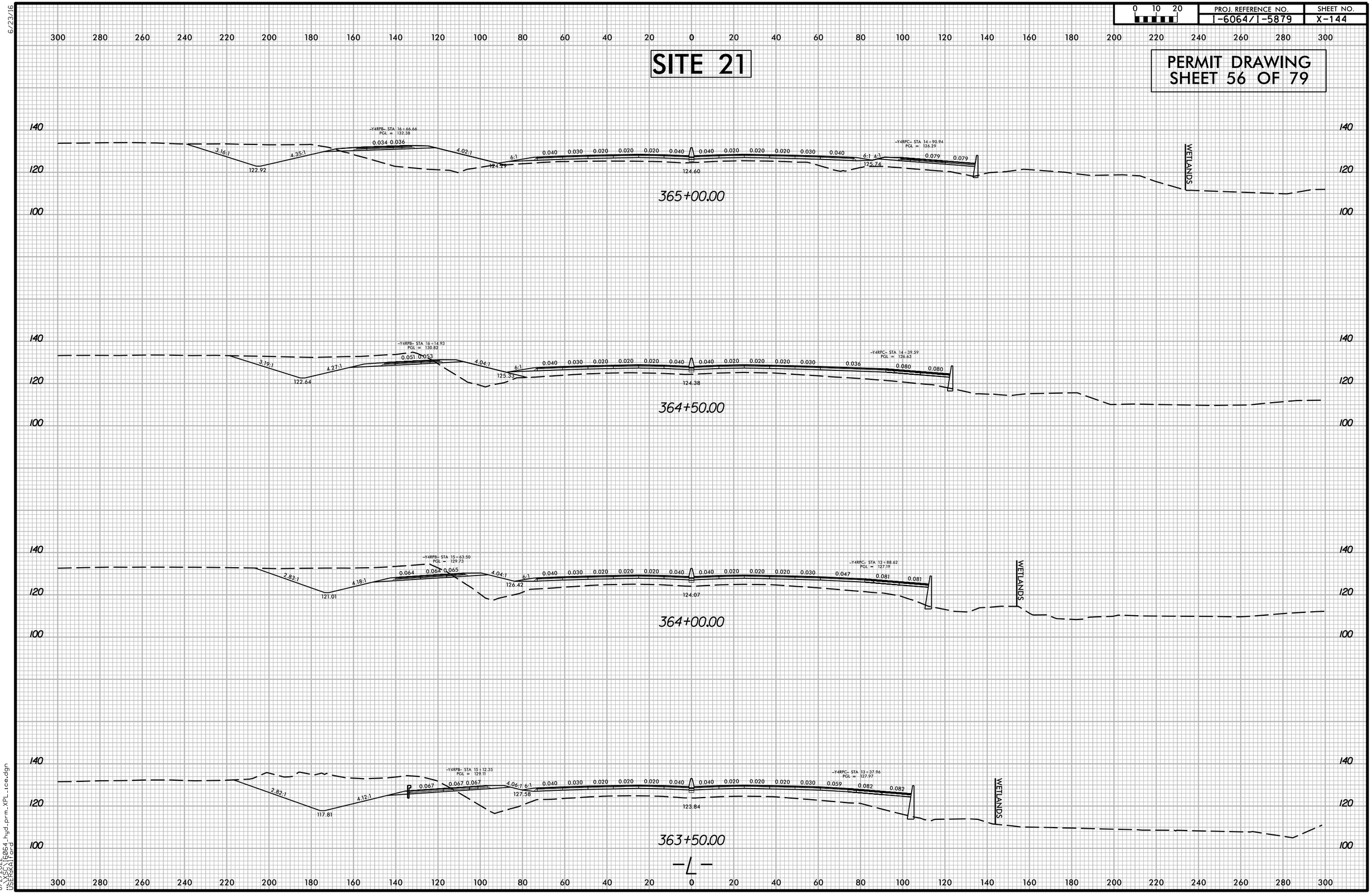

SITE 20
SITE 21
SITE 20 & SITE 21 ENLARGEMENT
PERMIT DRAWING SHEET 54 OF 79
FILL IN WETLAND
MECHANIZED CLEARING (GRUBBING)
GRAPHIC SCALE
0'
40'
Q10=70.4 cfs
V10=1.9 fps
NAD 83
SP. CUT 2' BASE DITCH SEE DETAIL T
REMOVE CONCRETE DITCH
54" RCP-III
15" RCP-IV
TB 2GI
2GI-A
FLOWABLE FILL
15" WELDED STEEL
REMOVE DI
PLUG
LOCATE & FILL
REMOVE & REMOVE
TRENCHLESS INSTALLATION 48" WELDED STEEL
SP. DET. TB 2GI-A
30" PP
30" RCP-III
24" PP
SP. DET. TB 2GI-A
SE DITCH
PDE
DUE
RW
CA
365+00
15+00
15' BST
UNDER GROWTH
GRAVEL
WLB
JS
MTL


NAD 83
Q10=22.2 cfs
V10=1.9 fps
STD. 3' BASE DITCH
W/CL B RIP RAP
SEE DETAIL K
TOE PROTECTION
SEE DETAIL G
RETAIN
LOCATE &
REMOVE JB
REMOVE
REMOVE DI
REMOVE CB
RETAIN
RETAIN CB
30" RCP-III
24" RCP-III
18" RCP-III
48" WW FENCE
FLOWABLE FILL
PLUG
15" RCP-III
15" RCP-IV
END FENCE
DUE
PUE
TDE
EXIST. R/W
20+00
25+00
218
40' 0' 40'
GRAPHIC SCALE
SITE 22
ENLARGEMENT
PERMIT DRAWING
SHEET 55 OF 79
FILL IN WETLAND
MECHANIZED CLEARING (GRUBBING)



6/23/16

8/2/2022
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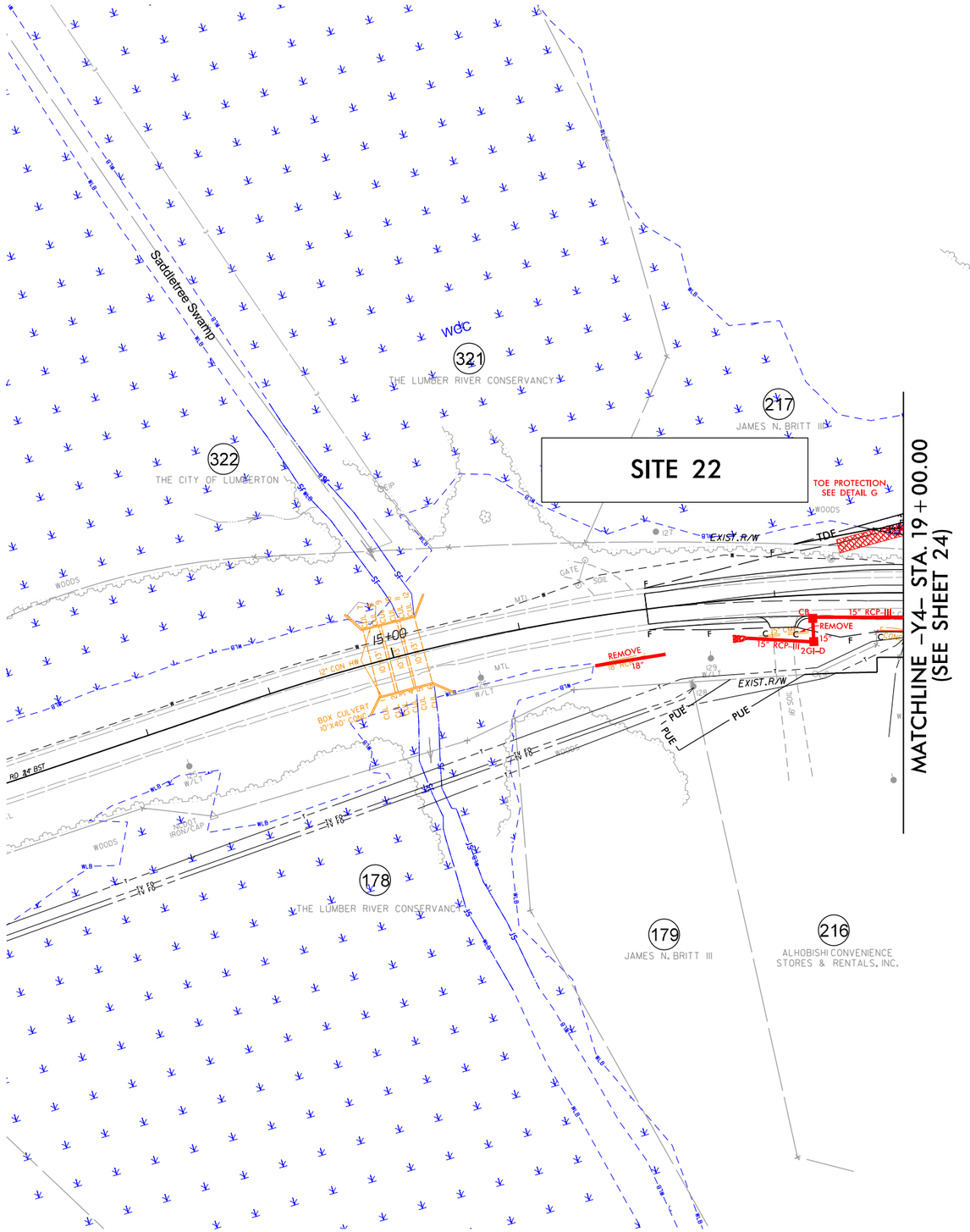
USER:KAlford

8/17/99



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Phone: 803-822-0333
License #: P-0999

PROJECT REFERENCE NO.	SHEET NO.
I-6064/I-5879	32
R/W SHEET NO.	
ROADWAY DESIGN ENGINEER	HYDRAULICS ENGINEER

DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED

NAD 83

S S	SURFACE WATER IMPACTS
TS TS	TEMPORARY SURFACE WATER IMPACTS
F F	FILL IN WETLAND
* *	MECHANIZED CLEARING (GRUBBING)

100' 0' 100'
GRAPHIC SCALE

PERMIT DRAWING SHEET 57 OF 79

R/W LABELED OFF -Y4- UNLESS NOTED OTHERWISE. | *FOR -Y4- PROFILE SEE SHT.59*

$DATE$ $TIME$
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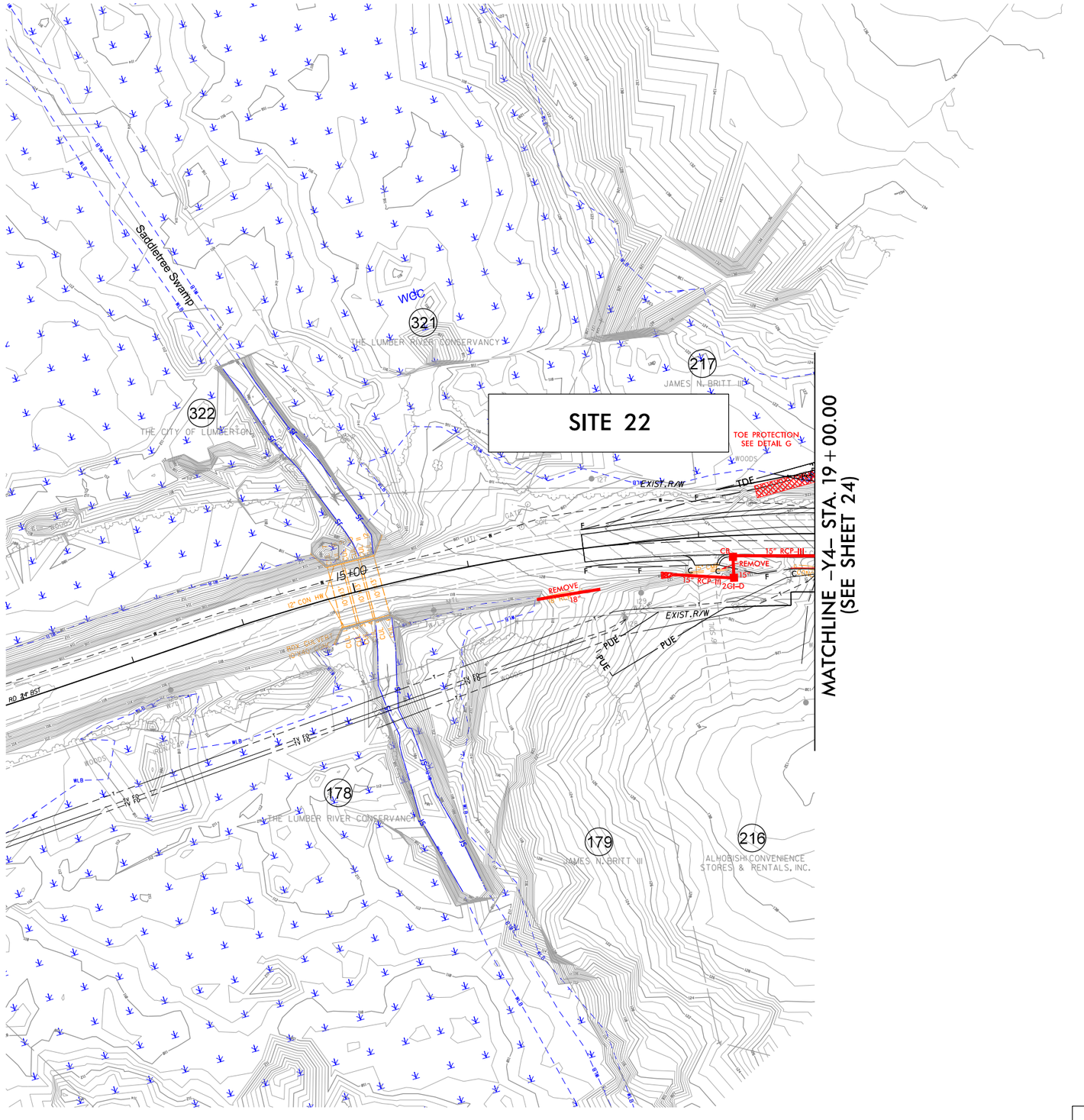
MHarvey

8/17/99



MATCHLINE -Y4- STA. 19 + 00.00
(SEE SHEET 24)

FLATIRON UNITED INFRASTRUCTURE GROUP

ICE of CAROLINAS, PLLC

ICE of Carolinas, PLLC
4505 Falls of Neuse Road. Suite 110
Raleigh, North Carolina 27609
Phone: 803-822-0333
License #: P-0999

PROJECT REFERENCE NO.	SHEET NO.
I-6064/I-5879	32
R/W SHEET NO.	
ROADWAY DESIGN ENGINEER	HYDRAULICS ENGINEER

DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED

NAD 83

S S SURFACE WATER IMPACTS
TS TS TEMPORARY SURFACE WATER IMPACTS
F F FILL IN WETLAND
MECHANIZED CLEARING (GRUBBING)

100' 0' 100'
GRAPHIC SCALE

PERMIT DRAWING SHEET 58 OF 79

R/W LABELED OFF -Y4- UNLESS NOTED OTHERWISE. | FOR -Y4- PROFILE SEE SHT.59

$DATE$ $TIME$
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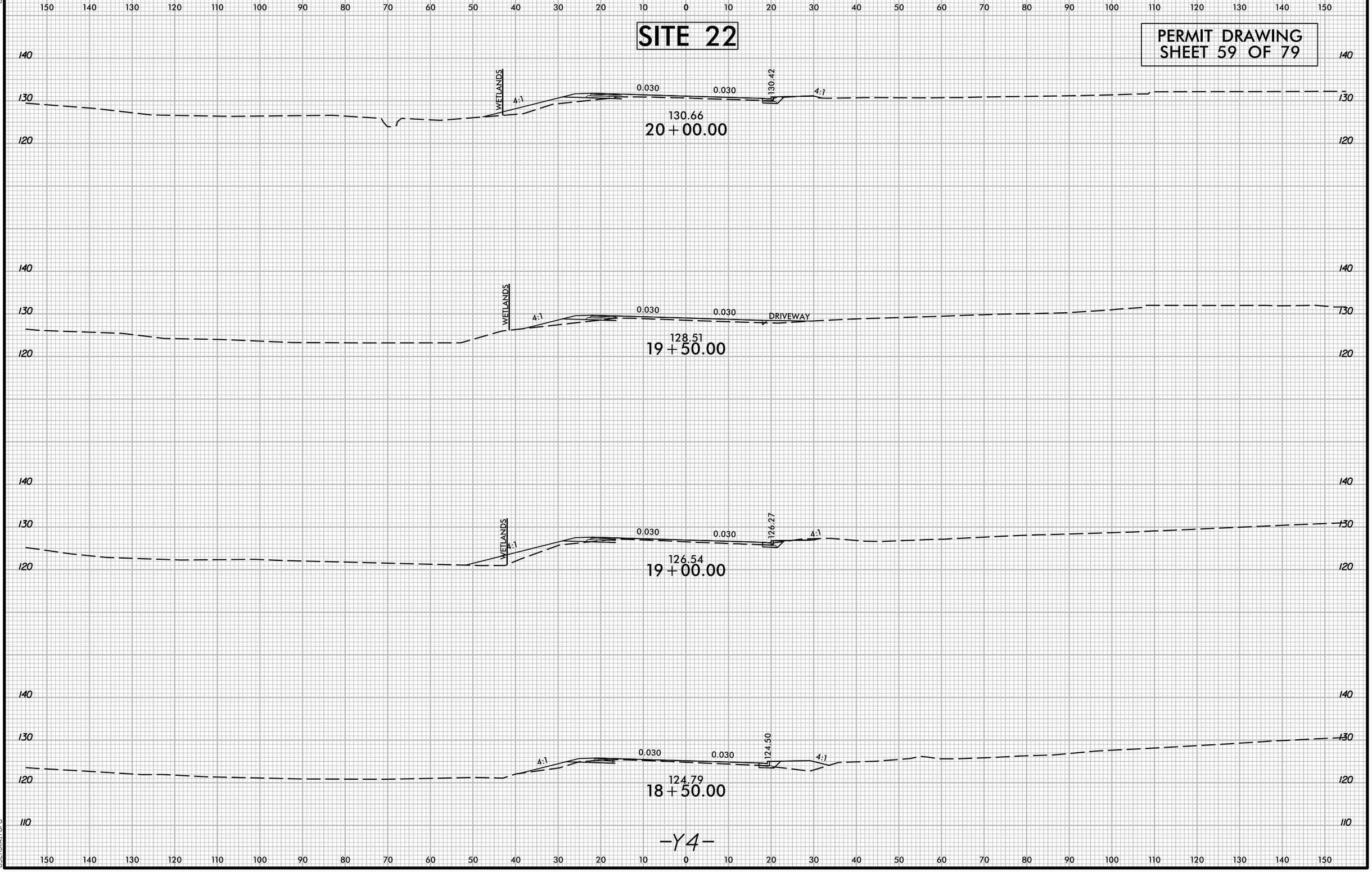

6/23/16

8/2/2022
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USER:KAlford

GRAPHIC SCALE 200' 0' 200'

S S SURFACE WATER IMPACTS

TS TS TEMPORARY SURFACE WATER IMPACTS

F F FILL IN WETLAND

PROPOSED SIGNAL

PERMIT DRAWING
SHEET 60 OF 79

FLATIRON UNITED

Wetherill Engineering, Inc.
1882 Jones Road • Suite 1
Marietta, Georgia 30062
Phone: 770.971.0077
License #: PE001077

PROJECT REFERENCE NO.	SHEET NO.
I-6064/I-5879	27
R/W SHEET NO.	
ROADWAY DESIGN ENGINEER	HYDRAULICS ENGINEER

DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED

MATCHLINE (SEE SHEET 26A)

MATCHLINE -SR1- STA. 75+30.00 (SEE SHEET 34)

MATCHLINE -Y5- STA. 26+00.00 (SEE SHEET 34)

MATCHLINE -SR4- STA. 13+00.00 (SEE SHEET 34)

MATCHLINE -L- STA. 413+00.00 (SEE SHEET 26)

MATCHLINE -L- STA. 441+00.00 (SEE SHEET 28)

MATCHLINE -SR2- STA. 64+00.00 (SEE SHEET 35)

MATCHLINE -SR3- STA. 17+00.00 (SEE SHEET 35)

MATCHLINE -Y5- STA. 39+00.00 (SEE SHEET 35)

MATCHLINE -SR5- STA. 18+00.00 (SEE SHEET 35)

SITE 23

SEE SHEET 62 OF 79 FOR ENLARGED VIEW

FOR -L- PROFILE SEE SHTS.51 THRU 52	FOR -SR3- PROFILE SEE SHT.73	FOR -Y5- PROFILE SEE SHT.63
FOR -SR1- PROFILE SEE SHTS.70 THRU 71	FOR -SR4- PROFILE SEE SHT.74	FOR -Y5SPA- PROFILE SEE SHT.68
FOR -SR2- PROFILE SEE SHTS.72 THRU 73	FOR -Y5RPA- PROFILE SEE SHT.65	FOR -Y5SPB- PROFILE SEE SHT.68
FOR -SR5- PROFILE SEE SHTS.76 THRU 77	FOR -Y5RPC- PROFILE SEE SHT.66	FOR -Y5SPC- PROFILE SEE SHT.68
FOR -Y5RPB- PROFILE SEE SHTS.65 THRU 66	FOR -Y5RPD- PROFILE SEE SHT.67	FOR -Y5SPD- PROFILE SEE SHT.68

GRAPHIC SCALE
50 25 0 50 100
PLANS

c:\Users\kruger\Service engagements\I-6064_I-5879\Survey\Sheets\I6027x1-6064_I-5879_Plansheets-WETL.dgn

GRAPHIC SCALE 200' 0' 200'

S S SURFACE WATER IMPACTS

TS TS TEMPORARY SURFACE WATER IMPACTS

F F FILL IN WETLAND

☆ PROPOSED SIGNAL

PERMIT DRAWING
SHEET 61 OF 79

FLATIRON UNITED

Wetherill Engineering, Inc.
1882 Jones Road • Suite 100
Marietta, Georgia 30062
Phone 770.421.1660
Fax 770.421.1661

PROJECT REFERENCE NO.	SHEET NO.
I-6064/I-5879	27
R/W SHEET NO.	
ROADWAY DESIGN ENGINEER	HYDRAULICS ENGINEER

DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED

MATCHLINE (SEE SHEET 26A)

MATCHLINE -SR1- STA. 75+30.00 (SEE SHEET 34)

MATCHLINE -YS- STA. 26+00.00 (SEE SHEET 34)

MATCHLINE -SR4- STA. 13+00.00 (SEE SHEET 34)

MATCHLINE -L- STA. 413+00.00 (SEE SHEET 26)

MATCHLINE -L- STA. 441+00.00 (SEE SHEET 28)

MATCHLINE -SR2- STA. 64+00.00 (SEE SHEET 35)

MATCHLINE -SR3- STA. 17+00.00 (SEE SHEET 35)

MATCHLINE -YS- STA. 39+00.00 (SEE SHEET 35)

MATCHLINE -SR5- STA. 18+00.00 (SEE SHEET 35)

SITE 23

SEE SHEET 82 OF 79 FOR ENLARGED VIEW

FOR -L- PROFILE SEE SHTS.51 THRU 52	FOR -SR3- PROFILE SEE SHT.73	FOR -Y5- PROFILE SEE SHT.63
FOR -SR1- PROFILE SEE SHTS.70 THRU 71	FOR -SR4- PROFILE SEE SHT.74	FOR -Y5SPA- PROFILE SEE SHT.68
FOR -SR2- PROFILE SEE SHTS.72 THRU 73	FOR -Y5RPA- PROFILE SEE SHT.65	FOR -Y5SPB- PROFILE SEE SHT.68
FOR -SR5- PROFILE SEE SHTS.76 THRU 77	FOR -Y5RPC- PROFILE SEE SHT.66	FOR -Y5SPC- PROFILE SEE SHT.68
FOR -Y5RPB- PROFILE SEE SHTS.65 THRU 66	FOR -Y5RPD- PROFILE SEE SHT.67	FOR -Y5SPD- PROFILE SEE SHT.68

GRAPHIC SCALE
50 25 0 50 100
PLANS

ROUTE 41 NB
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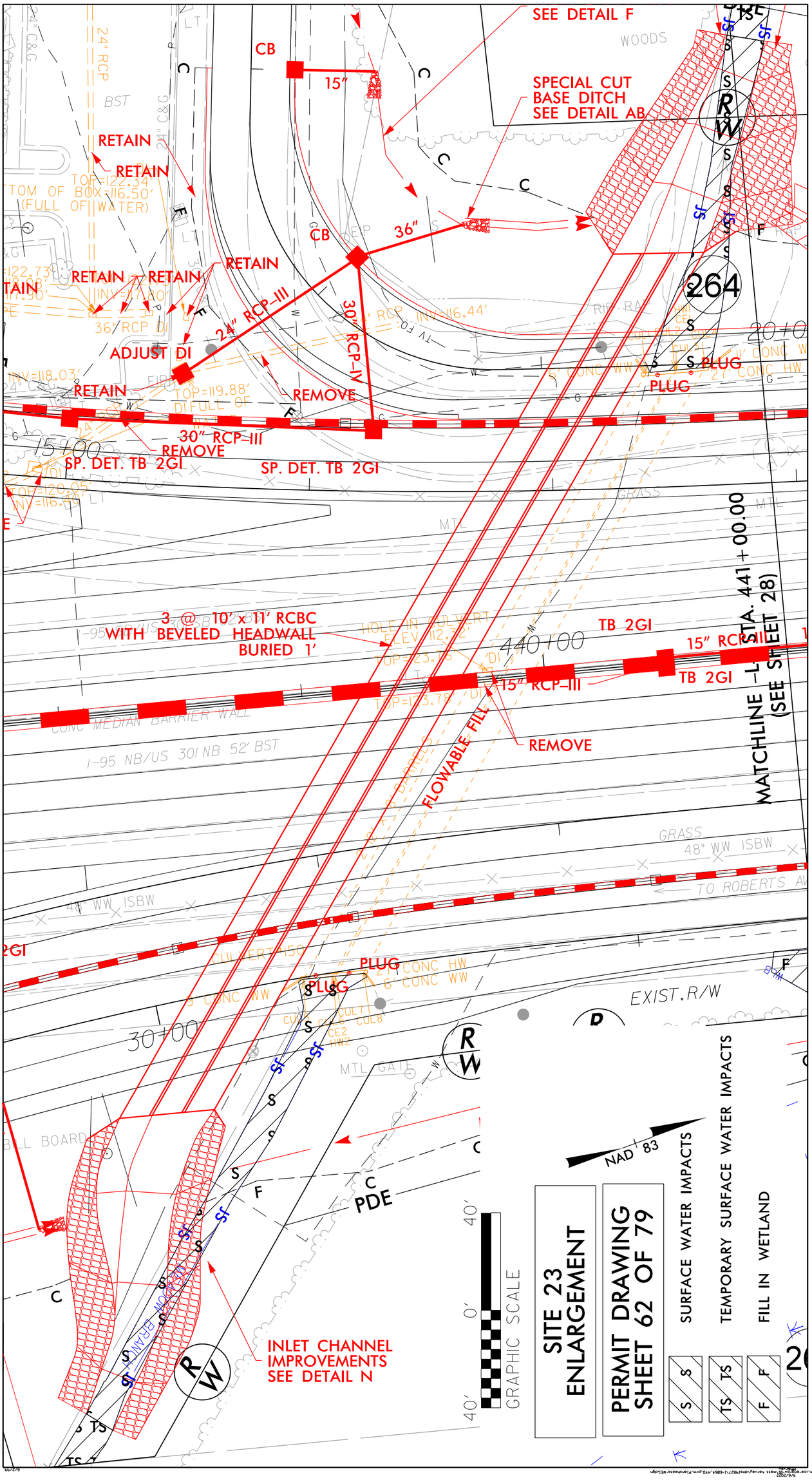
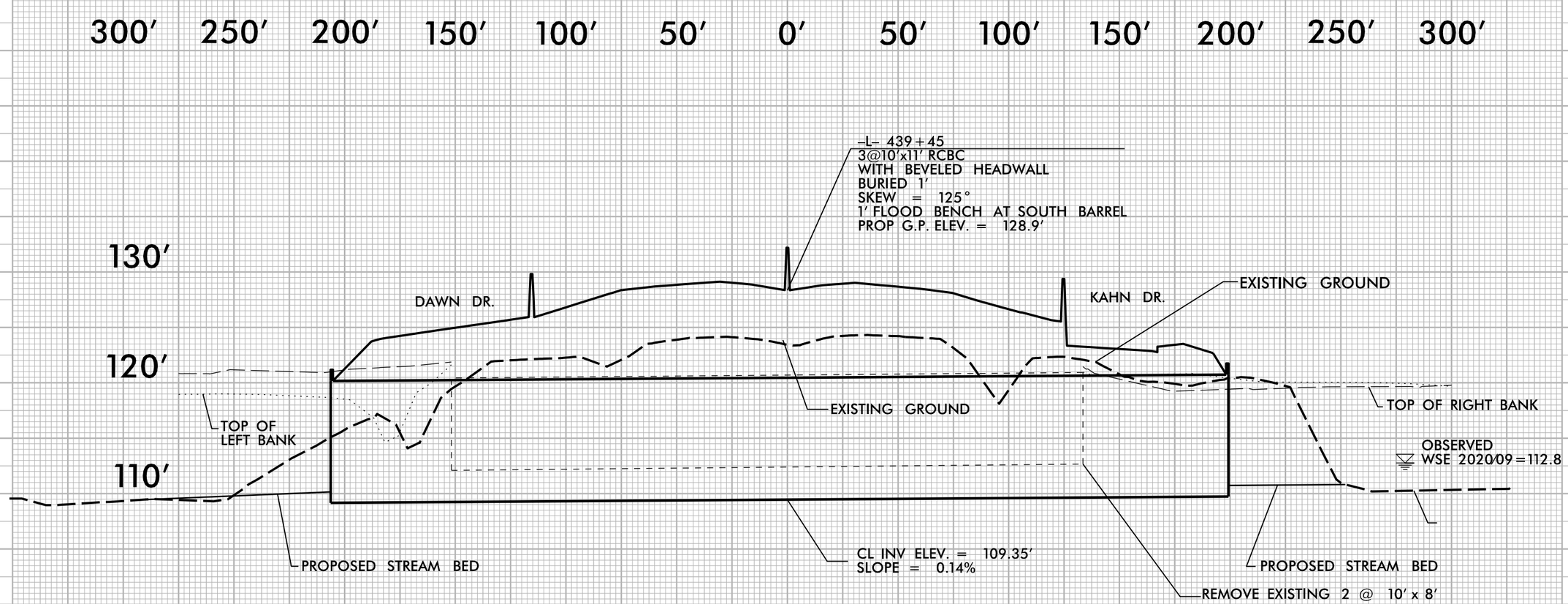

SEE DETAIL F
SPECIAL CUT
BASE DITCH
SEE DETAIL AB
CB
15″
36″
30″ RCP-IV
24″ RCP-III
RETAIN
ADJUST DI
REMOVE
30″ RCP-III
SP. DET. TB 2GI
PLUG
264
15+00
20+00
3 @ 10′ x 11′ RCBC
WITH BEVELED HEADWALL
BURIED 1′
HOLE IN CULVERT
TB 2GI
15″ RCP-III
FLOWABLE FILL
44+00
MATCHLINE –L– STA. 441+00.00
(SEE SHEET 28)
I-95 NB/US 301 NB 52′ BST
CONC MEDIAN BARRIER WALL
GRASS
48″ WW ISBW
TO ROBERTS AV
EXIST.R/W
30+00
MTL GATE
PDE
INLET CHANNEL
IMPROVEMENTS
SEE DETAIL N
WOODS
NAD 83
GRAPHIC SCALE
40′
0′
40′
SITE 23
ENLARGEMENT
PERMIT DRAWING
SHEET 62 OF 79
SURFACE WATER IMPACTS
TEMPORARY SURFACE WATER IMPACTS
FILL IN WETLAND

PERMIT DRAWING
SHEET 63 OF 79

PROJECT REFERENCE NO.	SHEET NO.
ROADWAY DESIGN ENGINEER	HYDRAULICS ENGINEER

DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED

SITE 23
MEADOW BRANCH



PROFILE ALONG STRUCTURE

5/14/99

9/1/2022
i:\1-6064_hyd_prm_meadow branch profile.dgn
USER:MHarvey

8/17/99

FLATIRON UNITED INFRASTRUCTURE GROUP

WETHERILL ENGINEERING

Wetherill Engineering, Inc.
1223 Jones Franklin Road
Raleigh, North Carolina 27606
Phone: 919-851-8077
License #: F-0377

PROJECT REFERENCE NO.	SHEET NO.
I-6064/I-5879	28
R/W SHEET NO.	
ROADWAY DESIGN ENGINEER	HYDRAULICS ENGINEER

DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED

PERMIT DRAWING SHEET 64 OF 79

WETLAND EXCAVATION
FILL IN WETLAND
MECHANIZED CLEARING (GRUBBING)
SURFACE WATER IMPACTS
TEMPORARY SURFACE WATER IMPACTS

100' 0' 100'
GRAPHIC SCALE

NAD 83

SITE 24

SITE 25

SITE 24

SITE 24

MATCHLINE -L- STA. 441+00.00 (SEE SHEET 27)

MATCHLINE -L- STA. 454+00.00 (SEE SHEET 29)

CITY OF LUMBERTON

FRENCH FAMILY PROPERTIES

CHARLES MCNEIL

SOUTHERN NATIONAL BANK

Meadow Branch

Fivemile Branch

OUTLET CHANNEL IMPROVEMENTS SEE DETAIL Q

SPECIAL CUT DITCH SEE DETAIL F

TOE PROTECTION SEE DETAIL G W/CL B RIPRAP EST 60 TONS EST 130 SY GT

TOE PROTECTION SEE DETAIL G W/CL B RIPRAP EST 90 TONS EST 200 SY GT

TOE PROTECTION SEE DETAIL W W/CL B RIPRAP EST 100 TONS EST 140 SY GT

INLET CHANNEL IMPROVEMENTS SEE DETAIL P

CHANNEL CHANGE SEE DETAIL AZ DDE = 1800 CY

CLASS I RIP RAP BANK STABILIZATION CL I RR 424 TNS GEO 720 SY

CLASS I RIP RAP BANK STABILIZATION CL I RR 322 TNS GEO 545 SY

SPECIAL LATERAL 'BASE' DITCH SEE DETAIL AI

3 @ 10' x 11' RCBC WITH BEVELED HEADWALL BURIED 1'

-L- I-95

SR4 DAWN DR

SR5 KAHN DR

Y5RPA, S 17° 06' 28.0" W

N 17° 06' 28.0" E

N 14° 47' 28.0" E

FOR -SR4- PROFILE SEE SHT.74	FOR -L- PROFILE SEE SHT.52
FOR -Y5RPA- PROFILE SEE SHT.65	FOR -SR5- PROFILE SEE SHT.77

$DATE$ $TIME$
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Kevin Alford

FLATIRON UNITED INFRASTRUCTURE GROUP

WETHERILL ENGINEERING

Wetherill Engineering, Inc.
1223 Jones Franklin Road
Raleigh, North Carolina 27606
Phone: 919-851-8077
License #: F-0377

PROJECT REFERENCE NO.	SHEET NO.
I-6064/I-5879	28
R/W SHEET NO.	
ROADWAY DESIGN ENGINEER	HYDRAULICS ENGINEER

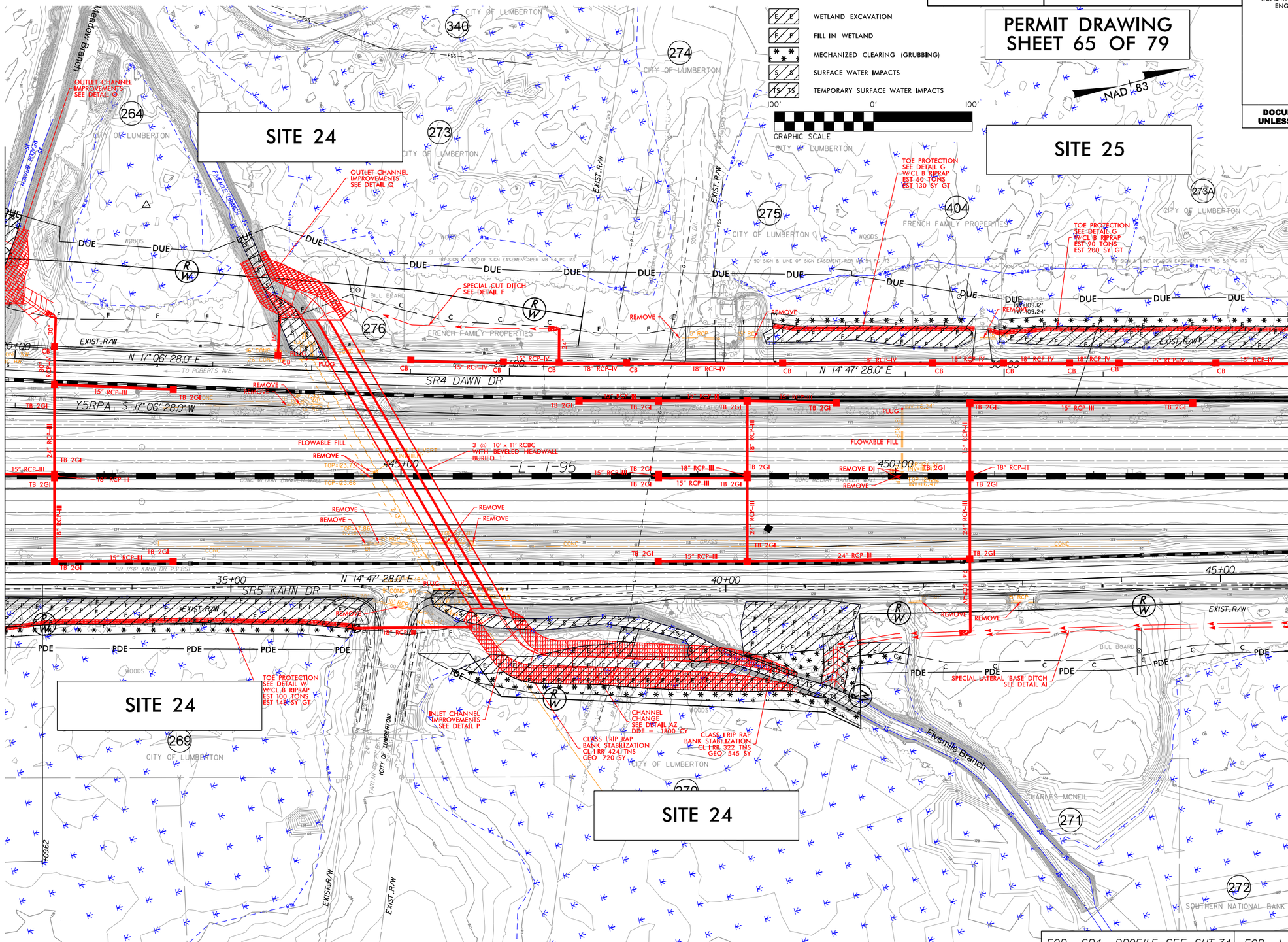
DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED

PERMIT DRAWING SHEET 65 OF 79

WETLAND EXCAVATION
FILL IN WETLAND
MECHANIZED CLEARING (GRUBBING)
SURFACE WATER IMPACTS
TEMPORARY SURFACE WATER IMPACTS

GRAPHIC SCALE 100' 0' 100'

NAD 83



FOR -SR4- PROFILE SEE SHT.74	FOR -L- PROFILE SEE SHT.52
FOR -Y5RPA- PROFILE SEE SHT.65	FOR -SR5- PROFILE SEE SHT.77

8/17/99

$DATE$ $TIME$
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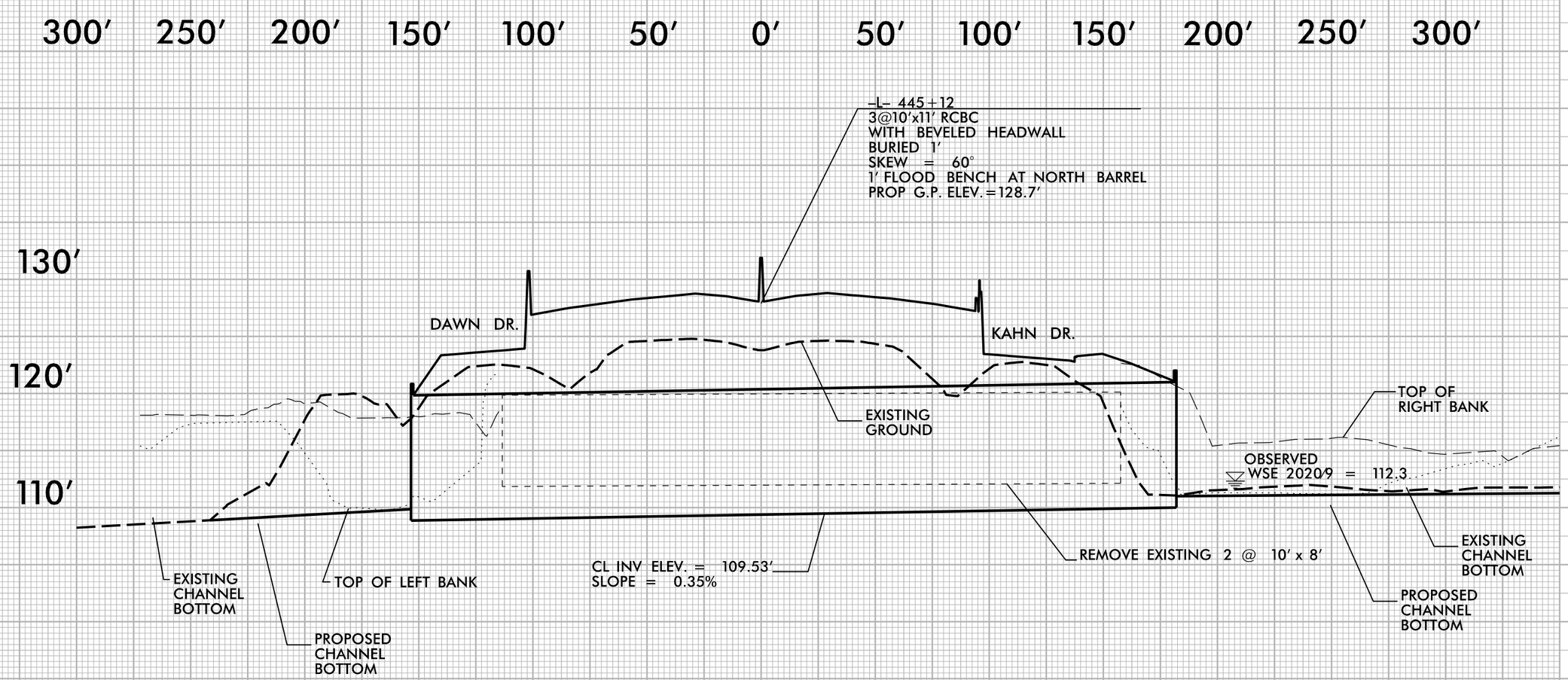
KAlford

PERMIT DRAWING
SHEET 66 OF 79

PROJECT REFERENCE NO.	SHEET NO.
ROADWAY DESIGN ENGINEER	HYDRAULICS ENGINEER

DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED

SITE 24
FIVEMILE BRANCH



PROFILE ALONG STRUCTURE

5/14/99

9/1/2022
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USER:MHarvey

8/23/99

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	I-6064/I-5879	X-186

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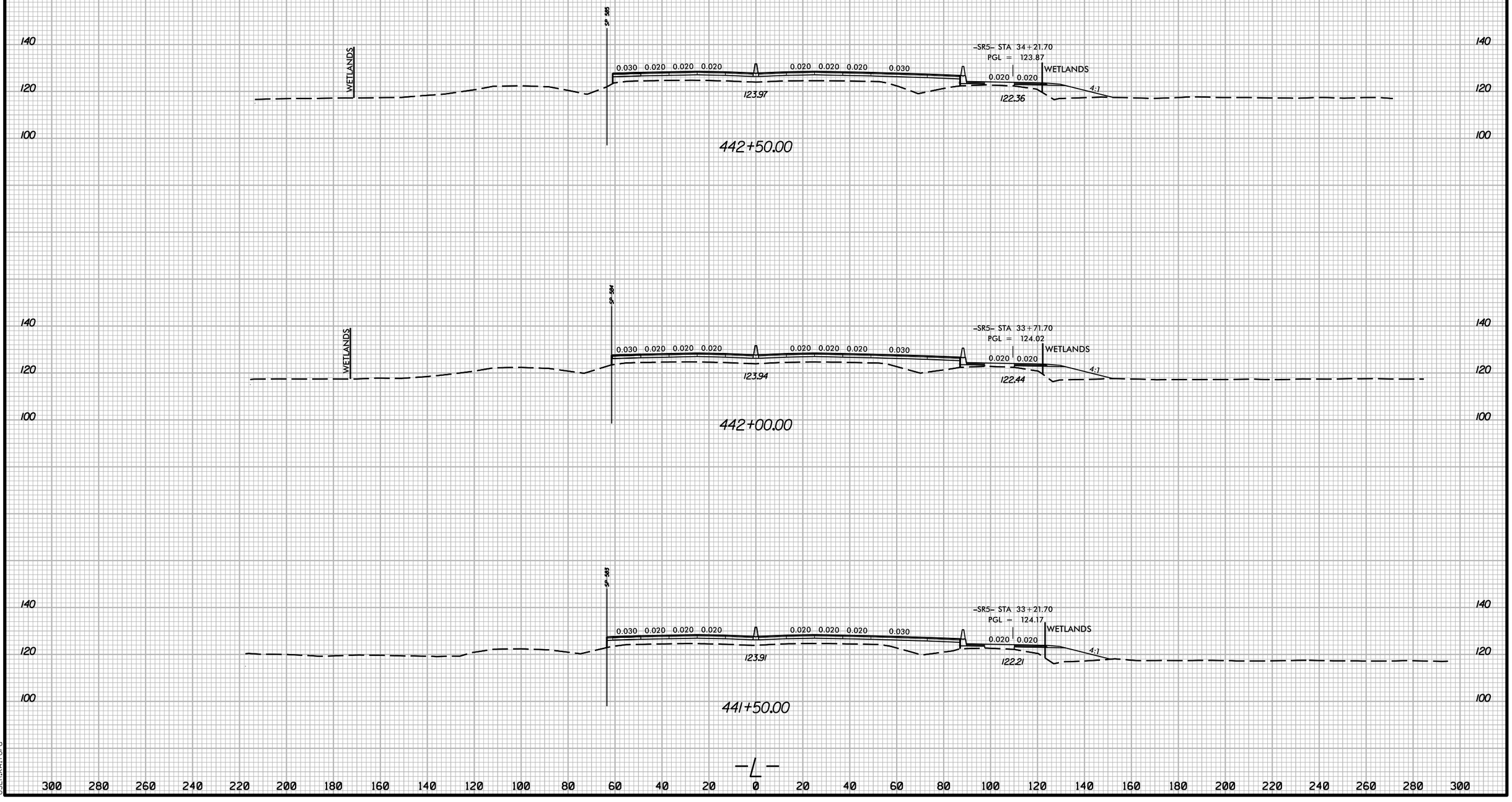
SITE 24

PERMIT DRAWING
SHEET 67 OF 79



8/2/2022
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USERKAIT.prd

8/23/99

0 10 20	PROJ. REFERENCE NO.	SHEET NO.
	I-6064/I-5879	X-187

SITE 24

PERMIT DRAWING
SHEET 68 OF 79

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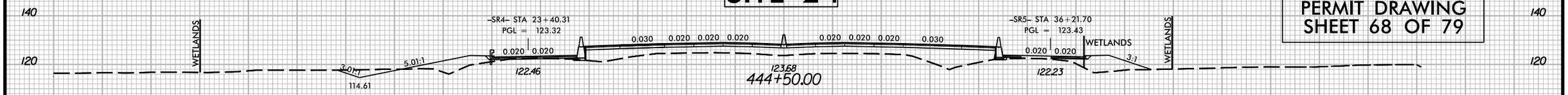

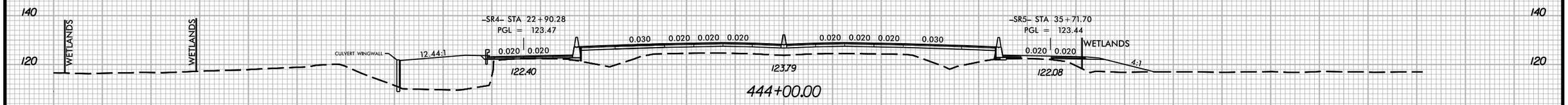

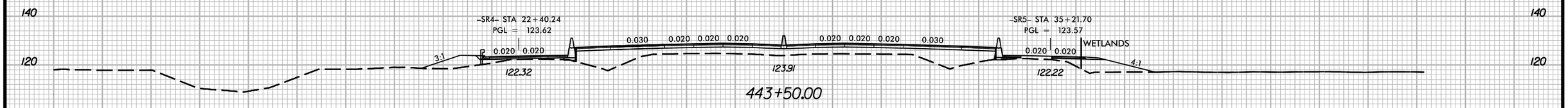

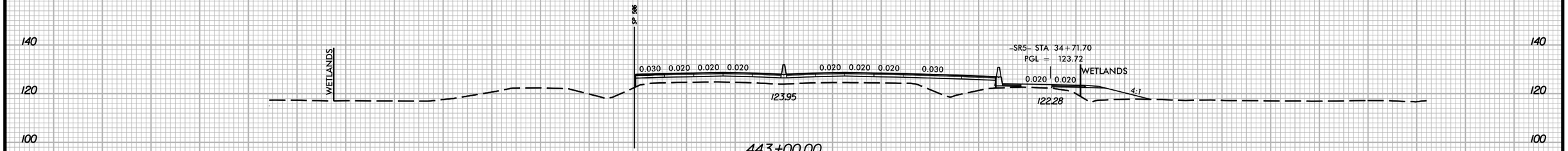

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8/2/2022
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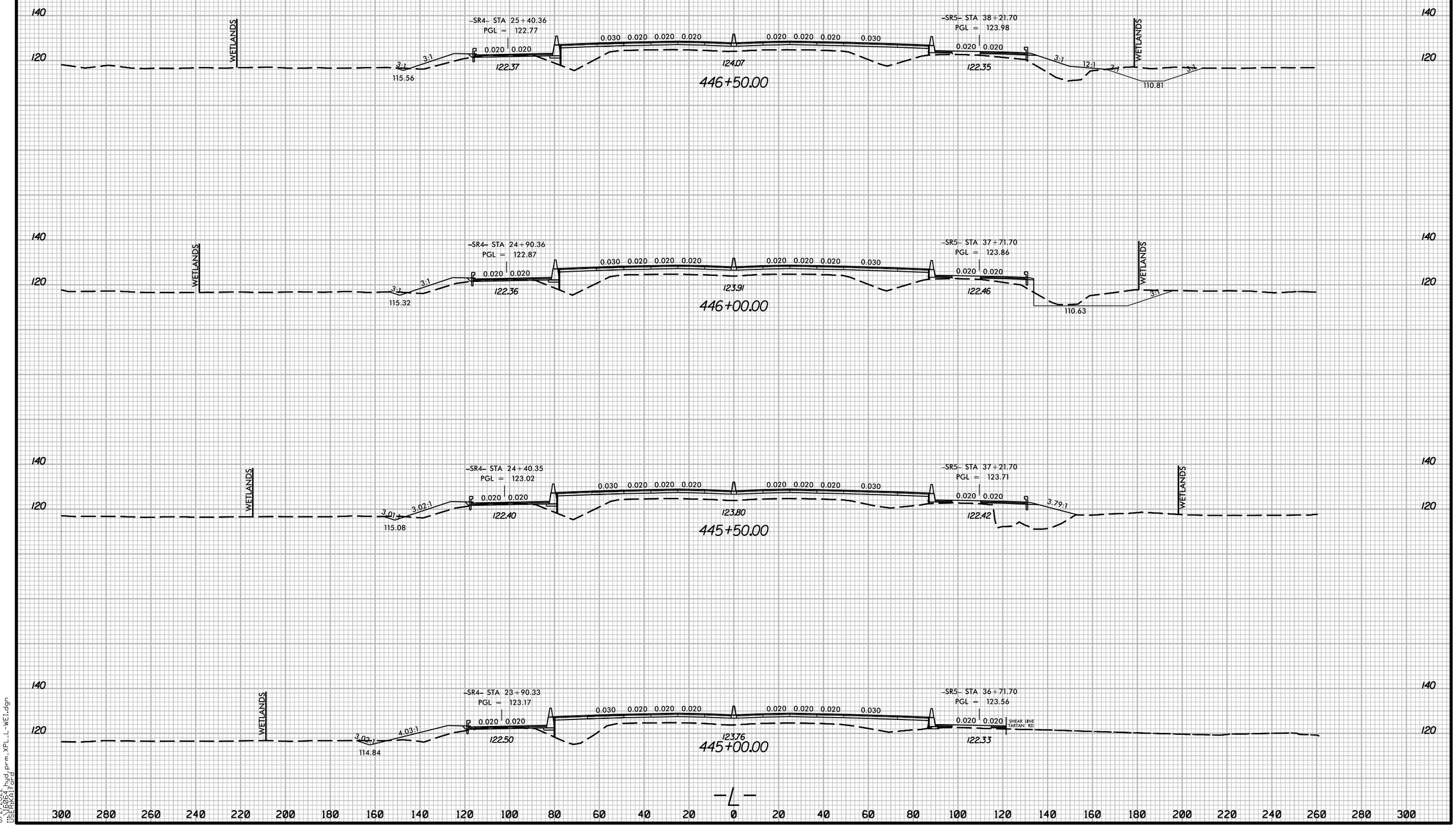
USER:KAITord

8/23/99

0 10 20	PROJ. REFERENCE NO.	SHEET NO.
	I-6064/I-5879	X-188

SITE 24

PERMIT DRAWING
SHEET 69 OF 79



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8/23/99

0 10 20	PROJ. REFERENCE NO.	SHEET NO.
	I-6064/I-5879	X-190

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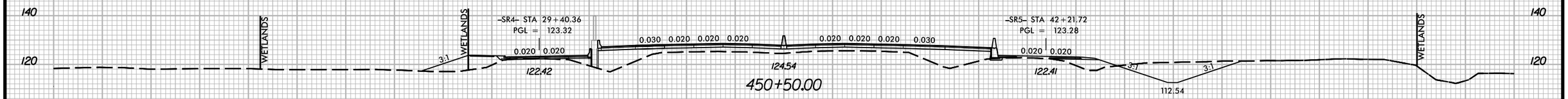
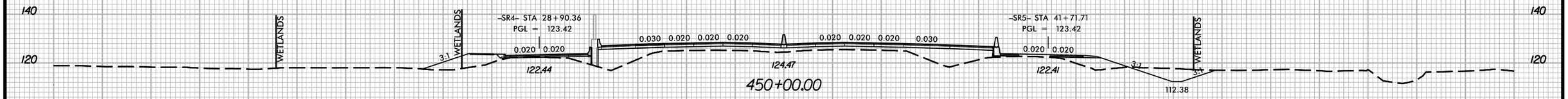
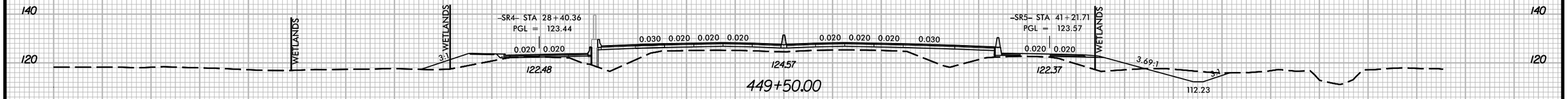
SITE 25

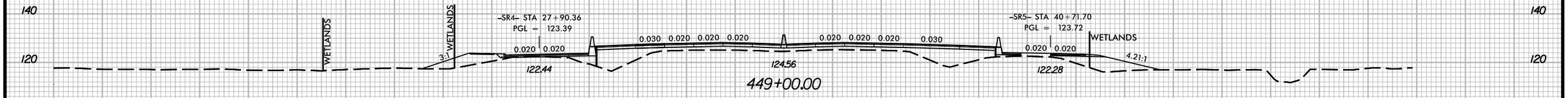
SITE 24

PERMIT DRAWING
SHEET 70 OF 79









–L–

300 280 260 240 220 200 180 160 140 120 100 80 60 40 20 0 20 40 60 80 100 120 140 160 180 200 220 240 260 280 300

8/2/2022
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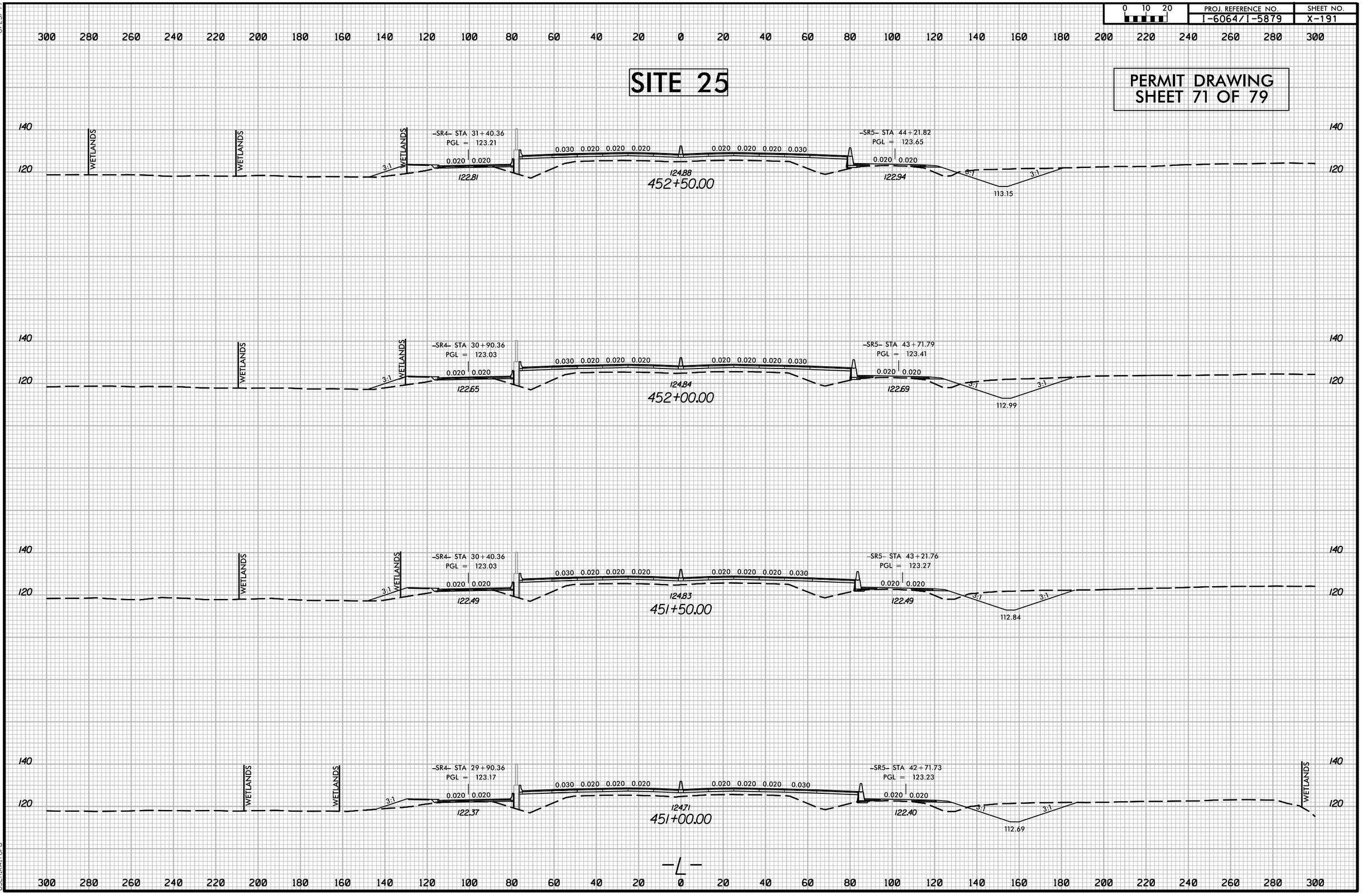
USER:KAITord

8/23/99

0 10 20	PROJ. REFERENCE NO.	SHEET NO.
	I-6064/I-5879	X-191

SITE 25

PERMIT DRAWING
SHEET 71 OF 79



8/2/2022
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USER:KAITord

FLATIRON UNITED INFRASTRUCTURE GROUP

WETHERILL ENGINEERING

Wetherill Engineering, Inc.
1223 Jones Franklin Road
Raleigh, North Carolina 27606
Phone: 919-851-8077
License #: F-0377

PROJECT REFERENCE NO.	SHEET NO.
I-6064/I-5879	29
R/W SHEET NO.	
ROADWAY DESIGN ENGINEER	HYDRAULICS ENGINEER

DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED

PERMIT DRAWING SHEET 72 OF 79

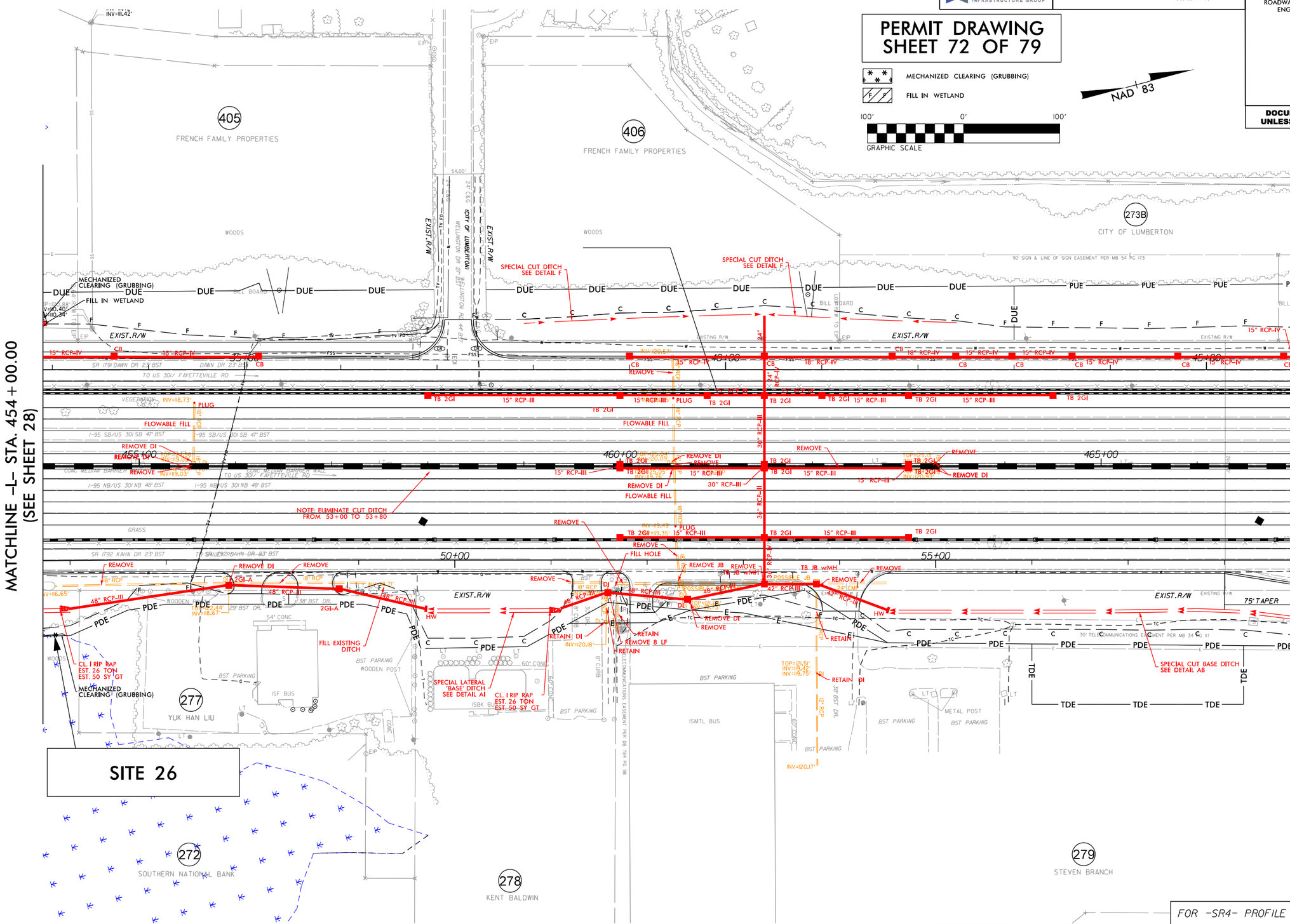
MECHANIZED CLEARING (GRUBBING)

FILL IN WETLAND

NAD 83

100' 0' 100'

GRAPHIC SCALE



	FOR -SR4- PROFILE SEE SHTS.74 THRU 75
FOR -L- PROFILE SEE SHTS.52 THRU 53	FOR -SR5- PROFILE SEE SHTS.77 THRU 78

8/17/99

$DATE$ $TIME$
c:\pwworkingdir\pw.ice-eng.com.ice-eng-pw-01\kevin alford\dms19827\I-6064_HYD_prm_Plansheets-WEI.dgn
KAlford

8/17/99

FLATIRON UNITED INFRASTRUCTURE GROUP

WETHERILL ENGINEERING

Wetherill Engineering, Inc.
1223 Jones Franklin Road
Raleigh, North Carolina 27606
Phone: 919-851-8077
License #: F-0377

PROJECT REFERENCE NO.	SHEET NO.
I-6064/I-5879	29
R/W SHEET NO.	
ROADWAY DESIGN ENGINEER	HYDRAULICS ENGINEER

DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED

PERMIT DRAWING SHEET 73 OF 79

MECHANIZED CLEARING (GRUBBING)

FILL IN WETLAND

NAD 83

100' 0' 100'

GRAPHIC SCALE

MATCHLINE -L- STA. 454+00.00 (SEE SHEET 28)

MATCHLINE -L- STA. 467+00.00 (SEE SHEET 30)

405 FRENCH FAMILY PROPERTIES

406 FRENCH FAMILY PROPERTIES

273B CITY OF LUMBERTON

277 YUK HAN LIU

272 SOUTHERN NATIONAL BANK

278 KENT BALDWIN

279 STEVEN BRANCH

SITE 26

EXIST. R/W

MECHANIZED CLEARING (GRUBBING)

FILL IN WETLAND

SPECIAL CUT DITCH SEE DETAIL F

SPECIAL LATERAL 'BASE' DITCH SEE DETAIL A1

SPECIAL CUT DITCH SEE DETAIL AB

NOTE: ELIMINATE CUT DITCH FROM 53+00 TO 53+80

CL I RIP RAP EST. 26 TON EST. 30 SY GT

CL I RIP RAP EST. 26 TON EST. 50 SY GT

FILL EXISTING DITCH

FOR -L- PROFILE SEE SHTS.52 THRU 53

FOR -SR4- PROFILE SEE SHTS.74 THRU 75

FOR -SR5- PROFILE SEE SHTS.77 THRU 78

$DATE$ $TIME$
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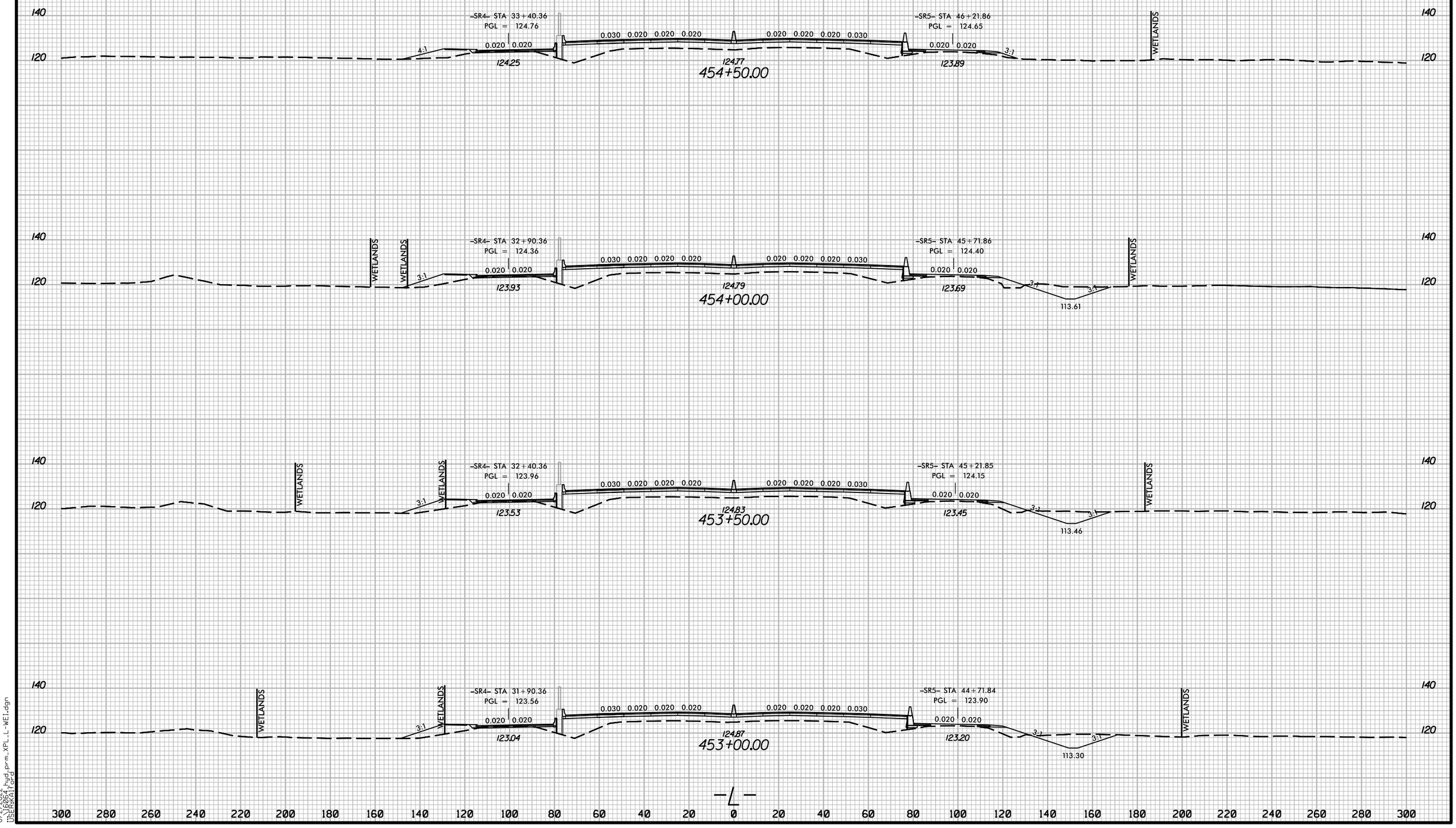
kalford

8/23/99

0	PROJ. REFERENCE NO.	SHEET NO.
	I-6064/I-5879	X-192

SITE 26

PERMIT DRAWING
SHEET 74 OF 79



8/2/2022
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USER:KAITord

FLATIRON UNITED INFRASTRUCTURE GROUP

WETHERILL ENGINEERING

Wetherill Engineering, Inc.
1223 Jones Franklin Road
Raleigh, North Carolina 27606
Phone: 919-851-8077
License #: F-0377

PROJECT REFERENCE NO.	SHEET NO.
I-6064/I-5879	31
R/W SHEET NO.	
ROADWAY DESIGN ENGINEER	HYDRAULICS ENGINEER

DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED

PERMIT DRAWING SHEET 75 OF 79

SURFACE WATER IMPACTS

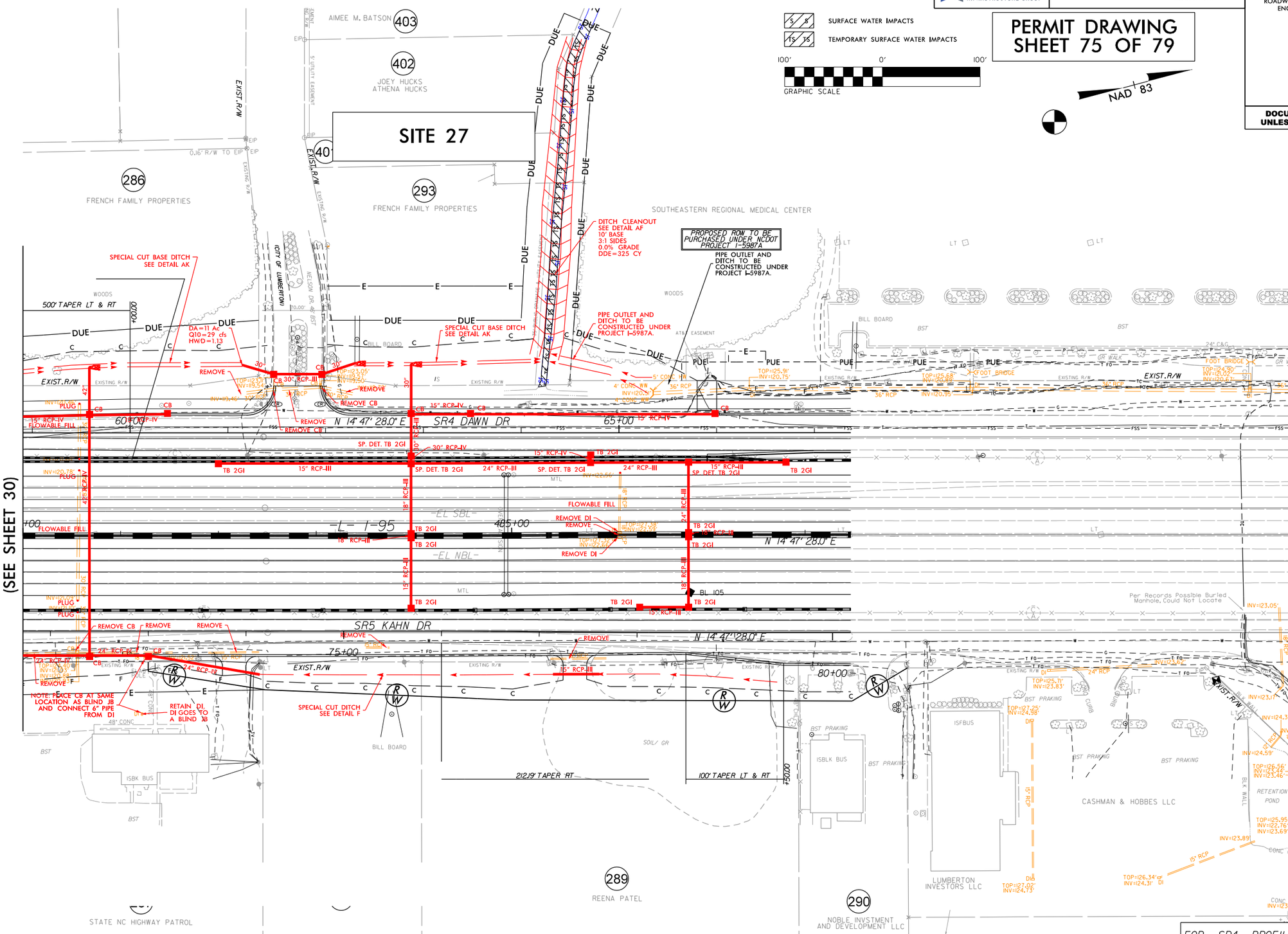
TEMPORARY SURFACE WATER IMPACTS

100' 0' 100'

GRAPHIC SCALE

NAD 83

MATCHLINE -L- STA. 480+00.00 (SEE SHEET 30)



	FOR -SR4- PROFILE SEE SHTS.75 THRU 76
FOR -L- PROFILE SEE SHT.53	FOR -SR5- PROFILE SEE SHTS.78 THRU 79

8/17/99

$DATE$ $TIME$
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MHarvey

FLATIRON UNITED INFRASTRUCTURE GROUP

WETHERILL ENGINEERING

Wetherill Engineering, Inc.
1223 Jones Franklin Road
Raleigh, North Carolina 27606
Phone: 919-851-8077
License #: F-0377

PROJECT REFERENCE NO.	SHEET NO.
I-6064/I-5879	31
R/W SHEET NO.	
ROADWAY DESIGN ENGINEER	HYDRAULICS ENGINEER

DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED

PERMIT DRAWING SHEET 76 OF 79

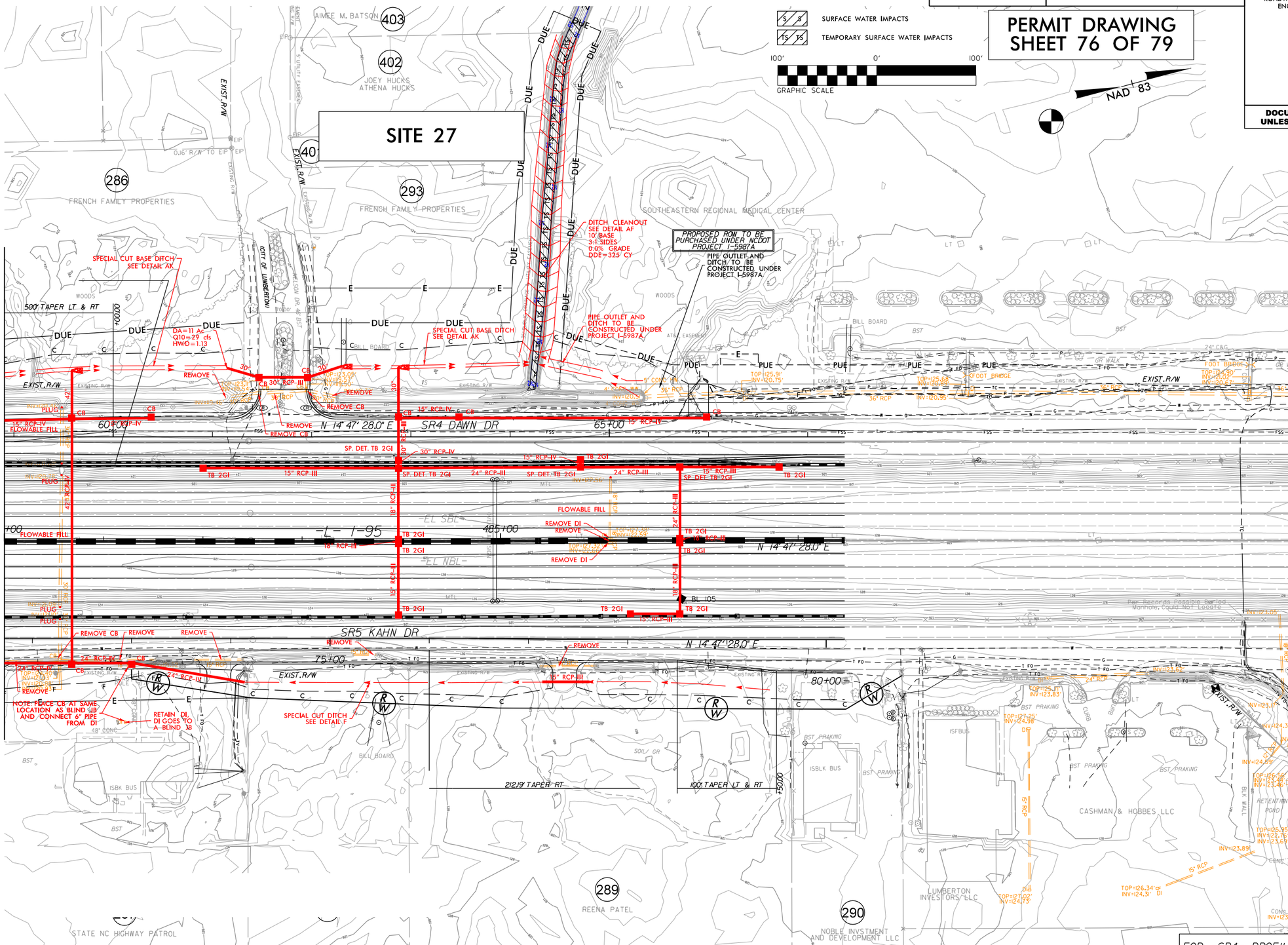
SURFACE WATER IMPACTS

TEMPORARY SURFACE WATER IMPACTS

100' 0' 100'

GRAPHIC SCALE

NAD 83



	FOR -SR4- PROFILE SEE SHTS.75 THRU 76
FOR -L- PROFILE SEE SHT.53	FOR -SR5- PROFILE SEE SHTS.78 THRU 79

8/17/99

$DATE$ $TIME$
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8/17/99

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License #: F-0377

PROJECT REFERENCE NO.	SHEET NO.
I-6064/I-5879	34
R/W SHEET NO.	
ROADWAY DESIGN ENGINEER	HYDRAULICS ENGINEER

DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED

PERMIT DRAWING SHEET 77 OF 79

NAD 83

SURFACE WATER IMPACTS

TEMPORARY SURFACE WATER IMPACTS

100' 0' 100'

GRAPHIC SCALE

SITE 28

SITE 28

MATCHLINE -SR4- STA. 13+00.00 (SEE SHEET 27)

MATCHLINE -Y5- STA. 26+00.00 (SEE SHEET 27)

MATCHLINE -SR1- STA. 75+30.00 (SEE SHEET 27)

FOR -SR1- PROFILE SEE SHT.71

FOR -Y5- PROFILE SEE SHT.63

FOR -SR4- PROFILE SEE SHT.74

$DATE$ $TIME$
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MHarvey

FLATIRON UNITED INFRASTRUCTURE GROUP

WETHERILL ENGINEERING

Wetherill Engineering, Inc.
1223 Jones Franklin Road
Raleigh, North Carolina 27606
Phone: 919-851-8077
License #: F-0377

PROJECT REFERENCE NO.	SHEET NO.
I-6064/I-5879	34
R/W SHEET NO.	
ROADWAY DESIGN ENGINEER	HYDRAULICS ENGINEER

DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED

PERMIT DRAWING SHEET 78 OF 79

NAD 83

S/S SURFACE WATER IMPACTS

TS/TS TEMPORARY SURFACE WATER IMPACTS

100' 0' 100'

GRAPHIC SCALE

SITE 28

SITE 28

MATCHLINE –SR4– STA. 13+00.00 (SEE SHEET 27)

MATCHLINE –Y5– STA. 26+00.00 (SEE SHEET 27)

MATCHLINE –SR1– STA. 75+30.00 (SEE SHEET 27)

Y5 N ROBERTS AVE

SR4 DAWN DR

EXIST.R/W

INLET CHANNEL CL I RIP RAP EST 50 TON EST 85 SQ YD SEE DETAIL AW

CLEANOUT CULVERT 650 SY OF MATERIAL

OUTLET CHANNEL CL I RIP RAP EST 42 TON EST 70 SY GF SEE DETAIL AX

CL B RIP RAP EST 3 TON EST 10 SY GF

CL B RIP RAP EST 1 TON EST 5 SY GF

SPECIAL BACK OF CURB CUT DITCH SEE DETAIL AE

REMOVE 15" CMP

REMOVE 15" RCP-III

REMOVE 12" RCP

REMOVE 8" HDPE

18" RCP-III

15" RCP-III

15" RCP-IV

12" RCP

8" HDPE

END CA BEGIN CHL FENCE

262 BHARAT PATEL

338 ASHAPURA LODGING LLC 25 STUCO MOTEL

263 ISBLK MOTEL

260 I NEESHI CONSTRUCTION LLC

259 4SBLK MOTEL HARISH AMIN

340 CITY OF LUMBERTON

339 EUGENE LOCKLEAR

217 JAMES N. BRITT III

337 ALBERTO FLORES

258 SHAH, AMIN & ZOTA PARTNERSHIP

FOR -SR1- PROFILE SEE SHT.71

FOR -Y5- PROFILE SEE SHT.63 | FOR -SR4- PROFILE SEE SHT.74

8/17/99

$DATE$ $TIME$
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WETLAND AND SURACE WATER IMPACTS SUMMARY

			WETLAND IMPACTS					SURFACE WATER IMPACTS				
Site No.	Station (From/To)	Structure Size / Type	Permanent Fill In Wetlands (ac)	Temp. Fill In Wetlands (ac)	Excavation in Wetlands (ac)	Mechanized Clearing in Wetlands (ac)	Hand Clearing in Wetlands (ac)	Permanent SW impacts (ac)	Temp. SW impacts (ac)	Existing Channel Impacts Permanent (ft)	Existing Channel Impacts Temp. (ft)	Natural Stream Design (ft)
1	-Y1RPA- 22+85 Rt	Ditch				< 0.01						
2	-Y1RPD- 18+00 Lt	Pipe	< 0.01			0.04						
3	-SR06- 10+66 Rt	Bank Stabilization						< 0.01		21		
4	-L- 134+45 Rt	2@ 48" Pipe (PSH 8A)						< 0.01	0.02	30	39	
5	-L- 168+95 Rt	Ditch Cleanout (PSH 10A)							< 0.01		31	
6	-L- 212+15, 231+25 Lt	Ditch Cleanout	0.05		0.15	0.15						
7	-L- 253+65 Lt	Ditch Cleanout	0.01		< 0.01	0.04						
8	-L- 266+80 to 275+37 Lt	Roadway Fill	0.54			0.23		< 0.01				
9	-Y2RPD- 18+50 to 19+93 Rt	Roadway Fill	0.07		0.02			0.02				
10	-L- 290+55 to 302+66 Lt	Roadway Fill	0.12		< 0.01	0.15		< 0.01				
11	-SR7- 59+17 to 60+12 Rt.	Roadway Fill							< 0.01			
12	-L- 306+20 Lt	Ditch Cleanout (PSH 20A)	< 0.01		0.07	0.08						
13	-L- 323+70 to 329+00 Lt	Roadway Fill						0.12	0.05			
14	-SR12- 19+80	Roadway Fill						0.05	0.01			
15	-SR12- 20+53	Roadway Fill						0.05	< 0.01			
16	-SR12- 23+64	Roadway Fill						< 0.01	< 0.01			
17	-SR12- 28+34	Roadway Fill/Ditch Cleanout						0.04	0.04			
18	-SR12- 33+59	Roadway Fill	0.04		< 0.01	0.02						
19	-L- 347+48 to 361+20	Roadway Fill/Bridge	0.74	0.24	0.03	0.42	0.25	< 0.01	0.02	50	112	
20	-L- 361+66 to 362+99 Lt	Roadway Fill	0.04			0.01						
21	-Y4RPC- 13+98 to 15+73 Rt	Roadway Fill				0.02	< 0.01					
22	-Y4- 18+49 to 20+04 Lt	Roadway Fill	0.01			0.03						
23	-L- 440+00	Culvert						0.10	0.01	337	39	
24	-L- 440+81 to 450+15	Culvert	0.37		0.26	0.23		0.14	0.02	509	91	
25	-L- 448+66 to 454+07 Lt	Roadway Fill	0.22			0.11						
26	-L- 453+93 to 454+24 Rt	Roadway Fill				< 0.01						
27	-SR4- 65+25 Lt	Ditch Cleanout							0.07			
28	-Y5- 18+33	Bank Stabilization						< 0.01		70		
28	-Y5- 18+33	Culvert							0.08		41	
TOTALS*:			2.23	0.24	0.53	1.54	0.26	0.56	0.34	1017	353	0

*Rounded totals are sum of actual impacts

NOTES:

--Sites 8, 9, 10, 13, 14, 15, 16, 17 and 27 are surface waters verified as open water (ponds or jurisdictional ditches/tributaries).

--Site 10 Temporary Excavation in Wetlands due to Trenchless Pipe Installation = 0.07 ac

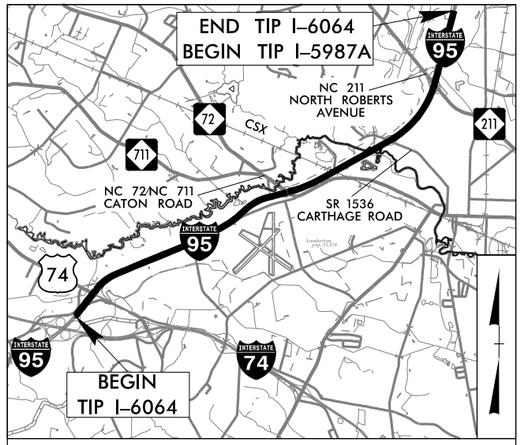
--Site 19 permanent bent impacts calculated using 3' width by the length of the bent within the JS feature.

NC DEPARTMENT OF TRANSPORTATION
DIVISION OF HIGHWAYS
9/28/2022
Robeson County
I-6064/I-5879
49067.1.2, 49067.1.3 & 53079.2.1
SHEET 79 OF 79

09/08/99

TIP PROJECT: I-6064/I-5879

CONTRACT: C204596



VICINITY MAP
(Not to Scale)

STATE OF NORTH CAROLINA
DIVISION OF HIGHWAYS

ROBESON COUNTY

STATE	STATE PROJECT REFERENCE NO.	SHEET NO.	TOTAL SHEETS
N.C.	I-6064I-5879	3	

STATE PROJ. NO.	F. A. PROJ. NO.	DESCRIPTION
49067.1.2, 49067.1.3, & 53079.2.1		PE
49067.2.5, 49067.2.6, & 53079.2.1		ROW
49067.2.5, & 49067.2.6		UTIL.
49067.3.1, 49067.3.2, & 49067.3.3		CONST.

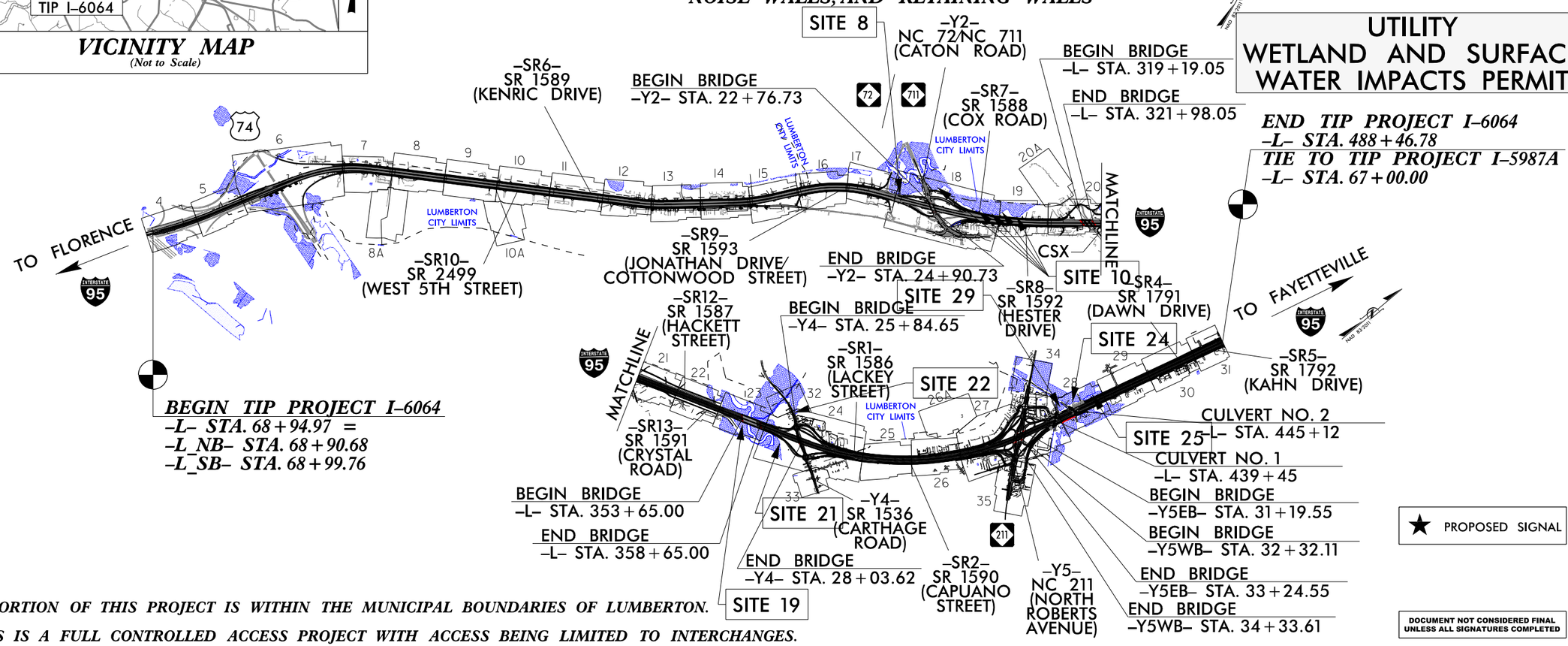
PERMIT DRAWING
SHEET 1 OF 38



LOCATION: *I-95 WIDENING AND PAVEMENT REHABILITATION FROM I-74 (EXIT 13) TO SOUTH OF US 301 (EXIT 22) AND I-95/SR 1536 INTERCHANGE IMPROVEMENTS*

TYPE OF WORK: *GRADING, PAVING, DRAINAGE, CULVERTS, STRUCTURES PAVEMENT MARKINGS, SIGNING, SIGNALS, ITS, NOISE WALLS, AND RETAINING WALLS*

UTILITY
WETLAND AND SURFACE WATER IMPACTS PERMIT



★ PROPOSED SIGNAL

A PORTION OF THIS PROJECT IS WITHIN THE MUNICIPAL BOUNDARIES OF LUMBERTON.

THIS IS A FULL CONTROLLED ACCESS PROJECT WITH ACCESS BEING LIMITED TO INTERCHANGES.

DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED

GRAPHIC SCALES

PLANS: 50 25 0 50 100

PROFILE (HORIZONTAL): 50 25 0 50 100

PROFILE (VERTICAL): 20 10 0 10 20

DESIGN DATA

ADT 2021 = 71,800
ADT 2041 = 107,800
K = 6.5%
D = 60 %
T = 14% *
V = 75 MPH
* TTST =11% DUAL =3%
FUNC CLASS =
INTERSTATE
STATEWIDE TIER

PROJECT LENGTH

LENGTH ROADWAY TIP PROJECT I-6064 = 7.783 MILES
LENGTH STRUCTURE TIP PROJECT I-6064 = 0.162 MILES
TOTAL LENGTH TIP PROJECT I-6064 = 7.945 MILES

Prepared In the Office of:
ICE of CAROLINAS, PLLC
ICE of Carolinas, PLLC
4505 Falls of Neuse Road, Suite 110
Raleigh, North Carolina 27609
Phone: 803-802-0333
License #: P-0995

Prepared for:
NCDOT DIVISION OF HIGHWAYS
1000 Birch Ridge Dr., Raleigh NC 27610

2018 STANDARD SPECIFICATIONS

RIGHT OF WAY DATE: 9/21/2021

LETTING DATE: 9/21/2021

BRIAN LUSK, PE
PROJECT ENGINEER

DAN DUFFIELD, PE
NCDOT CONTACT

HYDRAULICS ENGINEER

SIGNATURE: P.E.

ROADWAY DESIGN ENGINEER

SIGNATURE: P.E.

STATE OF NORTH CAROLINA • DEPARTMENT OF TRANSPORTATION •

9/6/2022
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USER:KAlford

FLATIRON UNITED INFRASTRUCTURE GROUP

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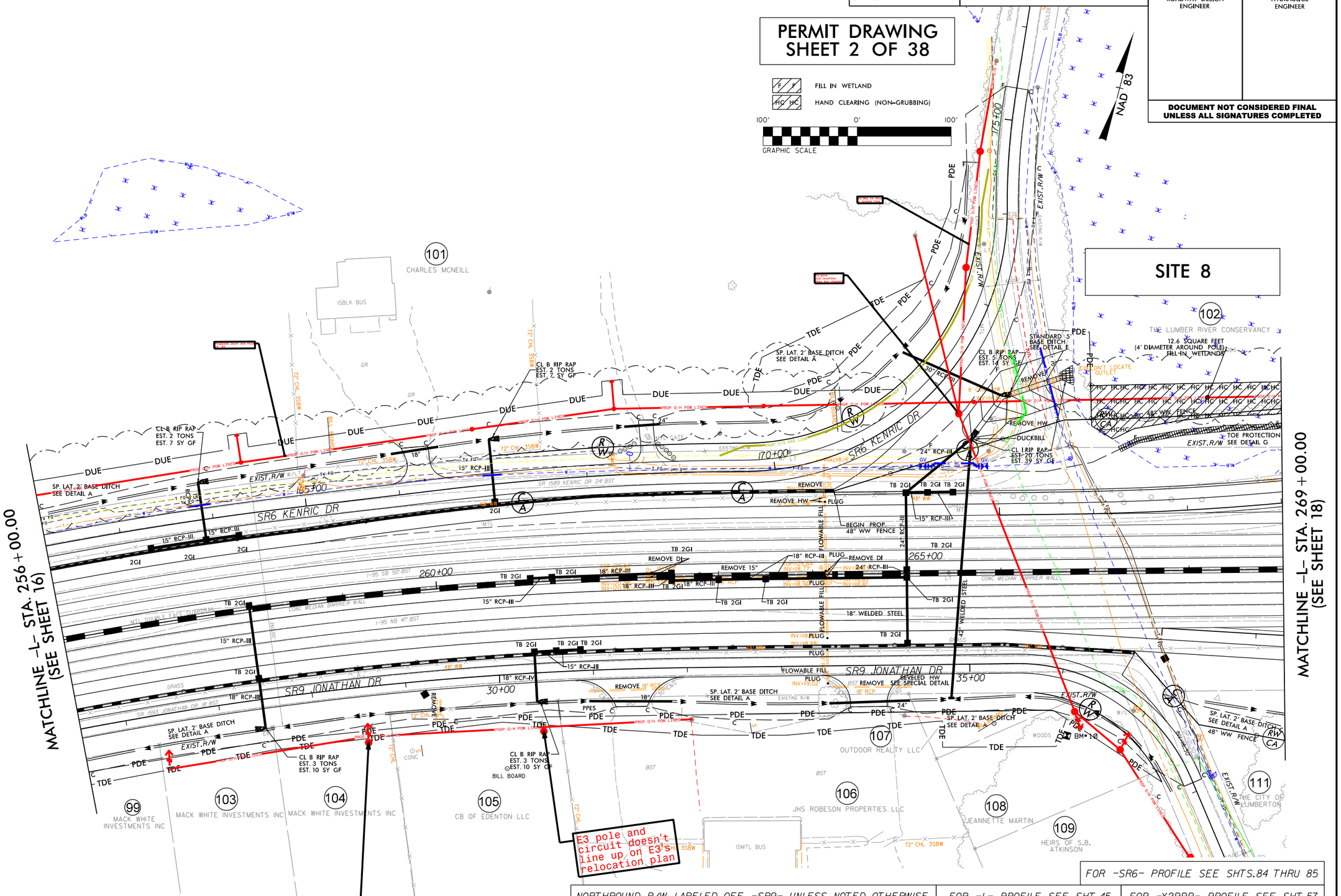
ICE of Carolinas, PLLC
4505 Falls of Neuse Road, Suite 110
Raleigh, North Carolina 27609
Phone: 803-822-0333
License #: P-0999

PROJECT REFERENCE NO.	SHEET NO.
I-6064/I-5879	17
R/W SHEET NO.	
ROADWAY DESIGN ENGINEER	HYDRAULICS ENGINEER

DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED

PERMIT DRAWING SHEET 2 OF 38



	FOR -SR6- PROFILE SEE SHTS.84 THRU 85	
NORTHBOUND R/W LABELED OFF -SR9- UNLESS NOTED OTHERWISE.	FOR -L- PROFILE SEE SHT.45	FOR -Y2RPB- PROFILE SEE SHT.57
SOUTHBOUND R/W LABELED OFF -SR6- UNLESS NOTED OTHERWISE.	FOR -SR9- PROFILE SEE SHT.89	FOR -Y2RPC- PROFILE SEE SHT.57

8/17/99

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KAlford

8/17/99

$DATE$ $TIME$
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Kevin.Alford

FLATIRON UNITED INFRASTRUCTURE GROUP

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ICE of Carolinas, PLLC
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Phone: 803-822-0333
License #: P-0999

PROJECT REFERENCE NO.	SHEET NO.
I-6064/I-5879	17
R/W SHEET NO.	
ROADWAY DESIGN ENGINEER	HYDRAULICS ENGINEER

DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED

PERMIT DRAWING SHEET 3 OF 38

F F FILL IN WETLAND

HC HC HAND CLEARING (NON-GRUBBING)

100' 0' 100'
GRAPHIC SCALE

NAD 83

SITE 8

MATCHLINE -L- STA. 256+00.00 (SEE SHEET 16)

MATCHLINE -L- STA. 269+00.00 (SEE SHEET 18)

SR6 KENRIC DR

SR9 JONATHAN DR

SR 1589 KENRIC DR 24' BST

I-95 SB 50' BST

I-95 NB 47' BST

CHARLES MCNEILL

THE LUMBER RIVER CONSERVANCY

MACK WHITE INVESTMENTS

MACK WHITE INVESTMENTS INC

CB OF EDENTON LLC

OUTDOOR REALTY LLC

UHS ROBESON PROPERTIES LLC

JEANNETTE MARTIN

HEIRS OF S.B. ATKINSON

THE CITY OF LUMBERTON

E3 pole and circuit doesn't line up on E3's relocation plan

NORTHBOUND R/W LABELED OFF -SR9- UNLESS NOTED OTHERWISE.	FOR -L- PROFILE SEE SHT.45	FOR -Y2RPB- PROFILE SEE SHT.57
SOUTHBOUND R/W LABELED OFF -SR6- UNLESS NOTED OTHERWISE.	FOR -SR9- PROFILE SEE SHT.89	FOR -Y2RPC- PROFILE SEE SHT.57

FOR -SR6- PROFILE SEE SHTS.84 THRU 85

FLATIRON UNITED

ICE of Carolinas, PLLC
4525 Falls of Neuse Road, Suite 110
Raleigh, North Carolina 27609
Phone: 833-423-2322
License # P-0698

PROJECT REFERENCE NO.	SHEET NO.
I-6064/I-5879	18
R/W SHEET NO.	
ROADWAY DESIGN ENGINEER	HYDRAULICS ENGINEER

DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED

PERMIT DRAWING
SHEET 4 OF 38

200' 0 200'
GRAPHIC SCALE

NAD 83

F F FILL IN WETLAND

HC HC HAND CLEARING (NON-GRUBBING)

E1 Relocation
Remove Existing Str #197

E1 Relocation
Install New Str #197

E1 Relocation
Remove Existing Str #198

E1 Relocation

E1 Str #196

E3 Relocation

E2 Relocation

E1 Relocation
Install New Str #199

E1 Relocation
Remove Existing Str #199

E1 Relocation
Remove Existing Str #200

E1 Relocation
Install New Str #200

E1 Relocation
Remove Existing Str #201

E1 Relocation
Install New Str #201

What is happening with this pole, circuit?

SITE 8

SITE 10

SEE SHEET 6 OF 38 FOR ENLARGED VIEW

SEE SHEET 7 OF 38 FOR ENLARGED VIEW

SEE SHEET 8 OF 38 FOR ENLARGED VIEW

MATCHLINE –L– STA. 269+00.00
(SEE SHEET 17)

MATCHLINE –L– STA. 297+00.00
(SEE SHEET 19)

SR 1174 (LUMBER RIVER RD.)

NC 72/CATO RD.

SR 1172 (COX RD.)

SR 1173 (HESTER DR.)

SR 1170 (W.5TH ST.)

CALLOUT LEGEND
(A) -Y2- PC Sta.17+60.62
(B) -Y2RPA- POT Sta.25+16.16 " -Y3- POC Sta.21+12.99
(C) -Y2RPB- POT Sta.21+71.50 " -Y2- POC Sta.21+53.40
(D) -Y2- PT Sta.26+63.20
(E) -SR10A- PT Sta.14+86.15

		FOR -L- PROFILE SEE SHTS.45 THRU 46
	FOR -SR7- PROFILE SEE SHTS.85 THRU 86	FOR -Y2RPA- PROFILE SEE SHT.56
	FOR -SR8- PROFILE SEE SHTS.87-88	FOR -Y2RPB- PROFILE SEE SHT.57
	FOR -Y2- PROFILE SEE SHT.55	FOR -Y2RPC- PROFILE SEE SHTS.57
PROPOSED SIGNAL	FOR -SR10A- PROFILE SEE SHT.94	FOR -Y2RPD- PROFILE SEE SHT.58
PAVEMENT REMOVAL		

GRAPHIC SCALE
50 25 0 50 100
PLANS

ROUTE
STATE PROJECT
R-6064
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9/5/2025

PROJECT REFERENCE NO.	SHEET NO.
I-6064/I-5879	18
R/W SHEET NO.	
ROADWAY DESIGN ENGINEER	HYDRAULICS ENGINEER

DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED

PERMIT DRAWING
SHEET 5 OF 38

GRAPHIC SCALE 200' 0 200'

F F FILL IN WETLAND

HC HC HAND CLEARING (NON-GRUBBING)

NAD 83

SITE 8

SITE 10

E1 Relocation
Remove Existing
Str #197

E1 Relocation
Install New
Str #197

E1 Relocation
Remove Existing
Str #198

E1 Relocation

E1 Str#196

E3 Relocation

E2 Relocation

E1 Relocation
Install New
Str #199

E1 Relocation
Remove Existing
Str #199

E1 Relocation
Remove Existing
Str #200

E1 Relocation
Install New
Str #200

E1 Relocation
Remove Existing
Str #201

E1 Relocation
Install New
Str #201

What is happening with this pole, circuit?

SEE SHEET 6 OF 38 FOR ENLARGED VIEW

SEE SHEET 7 OF 38 FOR ENLARGED VIEW

SEE SHEET 8 OF 38 FOR ENLARGED VIEW

MATCHLINE –L– STA. 269+00.00
(SEE SHEET 17)

MATCHLINE –L– STA. 297+00.00
(SEE SHEET 19)

CALLOUT LEGEND
(A) -Y2- PC Sta. 17+60.62
(B) -Y2RPA- POT Sta. 25+46.16 « -Y2- POC Sta. 21+12.99
(C) -Y2RPB- POT Sta. 21+71.50 « -Y2- POC Sta. 21+53.40
(D) -Y2- PT Sta. 26+63.20
(E) -SR10A- PT Sta. 14+86.15

	FOR -L- PROFILE SEE SHTS.45 THRU 46	
	FOR -SR7- PROFILE SEE SHTS.85 THRU 86	FOR -Y2RPA- PROFILE SEE SHT.56
	FOR -SR8- PROFILE SEE SHTS.87-88	FOR -Y2RPB- PROFILE SEE SHT.57
☆ PROPOSED SIGNAL	FOR -Y2- PROFILE SEE SHT.55	FOR -Y2RPC- PROFILE SEE SHTS.57
PAVEMENT REMOVAL	FOR -SR10A- PROFILE SEE SHT.94	FOR -Y2RPD- PROFILE SEE SHT.58

GRAPHIC SCALE
50 25 0 50 100
PLANS

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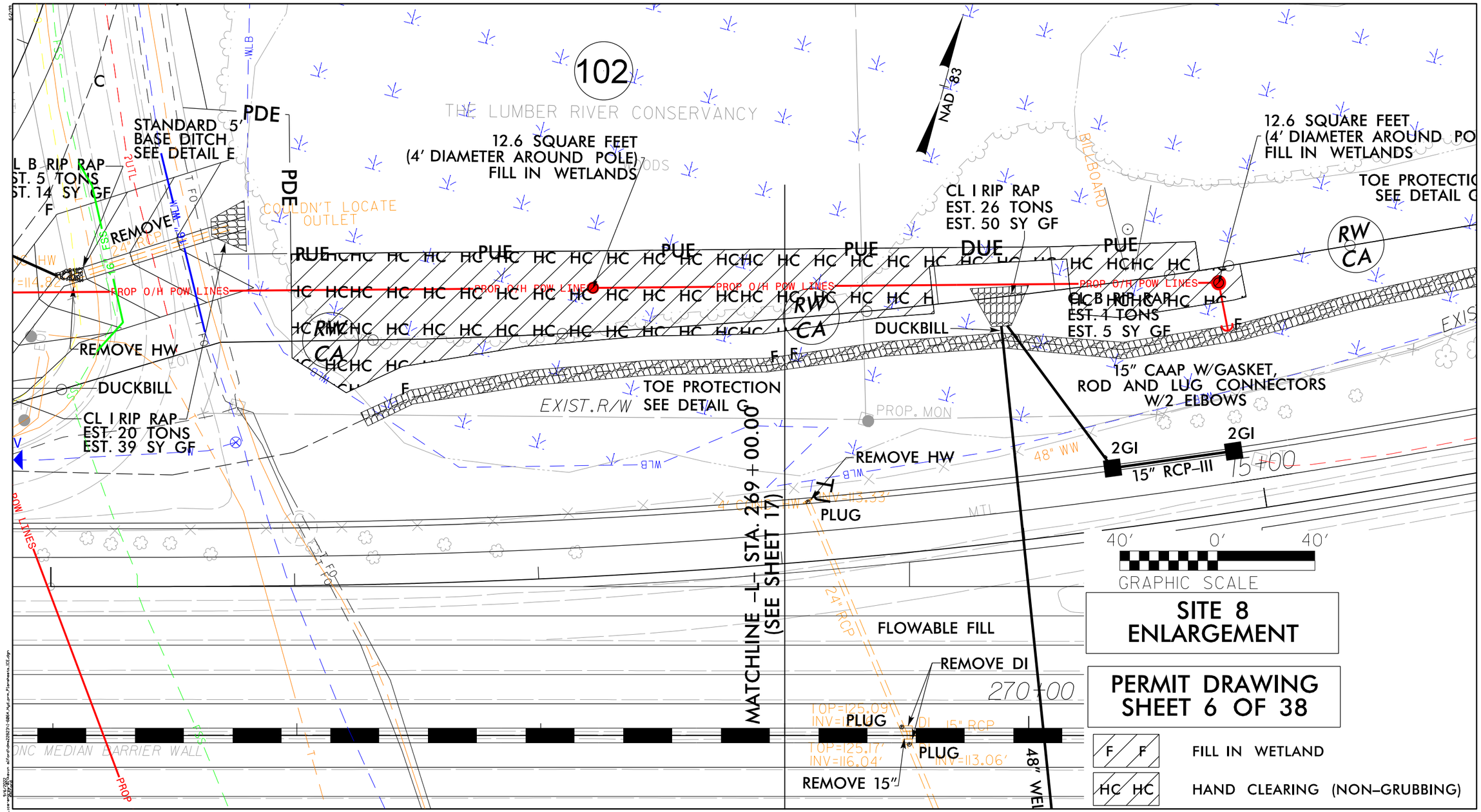
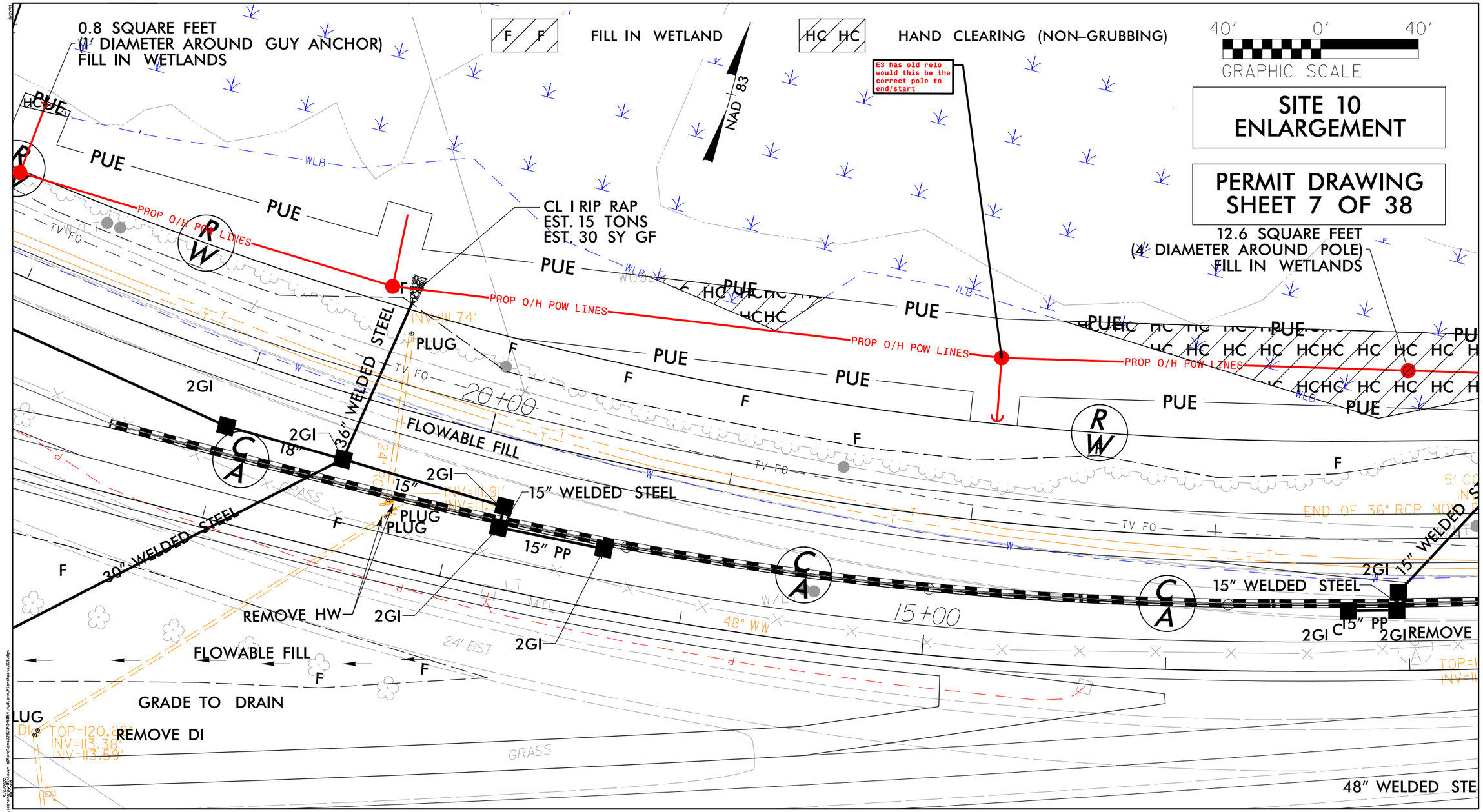


102
THE LUMBER RIVER CONSERVANCY
NAD 83
STANDARD 5' BASE DITCH SEE DETAIL E
PDE
12.6 SQUARE FEET (4' DIAMETER AROUND POLE) FILL IN WETLANDS
COULDN'T LOCATE OUTLET
REMOVE
PROP O/H POW LINES
REMOVE HW
DUCKBILL
CL I RIP RAP EST. 20 TONS EST. 39 SY GF
CL I RIP RAP EST. 26 TONS EST. 50 SY GF
CL B RIP RAP EST. 1 TONS EST. 5 SY GF
12.6 SQUARE FEET (4' DIAMETER AROUND PO FILL IN WETLANDS
TOE PROTECTIO SEE DETAIL C
RW CA
15" CAAP W/GASKET, ROD AND LUG CONNECTORS W/2 ELBOWS
TOE PROTECTION SEE DETAIL G
EXIST.R/W
PROP. MON
2GI
15" RCP-III
15+00
48" WW
REMOVE HW
PLUG
MATCHLINE -L- STA. 269+00.00 (SEE SHEET 17)
FLOWABLE FILL
REMOVE DI
270+00
TOP=125.09'
INV=113.33'
TOP=125.17'
INV=116.04'
INV=113.06'
15" RCP
REMOVE 15"
48" WEL
ONC MEDIAN BARRIER WALL
40' 0' 40'
GRAPHIC SCALE
SITE 8 ENLARGEMENT
PERMIT DRAWING SHEET 6 OF 38
F F FILL IN WETLAND
HC HC HAND CLEARING (NON-GRUBBING)



0.8 SQUARE FEET
(1' DIAMETER AROUND GUY ANCHOR)
FILL IN WETLANDS
F F
FILL IN WETLAND
HC HC
HAND CLEARING (NON-GRUBBING)
40' 0' 40'
GRAPHIC SCALE
E3 has old relo would this be the correct pole to end/start
NAD 83
SITE 10
ENLARGEMENT
PERMIT DRAWING
SHEET 7 OF 38
12.6 SQUARE FEET
(4' DIAMETER AROUND POLE)
FILL IN WETLANDS
CL I RIP RAP
EST. 15 TONS
EST. 30 SY GF
PROP O/H POW LINES
PUE
WLB
TV FO
PLUG
2GI
36" WELDED STEEL
18"
15"
15" WELDED STEEL
15" PP
30" WELDED STEEL
FLOWABLE FILL
20+00
15+00
REMOVE HW
REMOVE
GRADE TO DRAIN
REMOVE DI
48" WW
24' BST
GRASS
END OF 36" RCP NO
48" WELDED STE

12.6 SQUARE FEET
(4' DIAMETER AROUND POLE)
FILL IN WETLANDS
CL B RIP RAP
EST. 3 TONS
EST. 10 SY GF

CL I RIP RAP
EST. 15 TONS
EST. 30 SY GF

E2 & E3 Pole

NAD 83

DUE

PROP O/H POW LINES

TOE PROTECTION
SEE DETAIL G

BUCKBILL

F

WLB

EXISTING R/W

EXIST. R/W

W/L

TV FO

25+00

30+00

295+00

REMOVE HW

PLUG

FLOWABLE FILL

REMOVE JB

PLUG REMOVE

48" WW

SR 1588 COX RD 18' BST

GRASS

MTL

36" WELDED STEEL

18" WELDED STEEL

15" WELDED STEEL

TB 2GI

TB JBw/MH

FLOWABLE FILL

REMOVE DI

REMOVE 15'
OF 15" RCP

15" RCP-III

2GI

40' 0' 40'

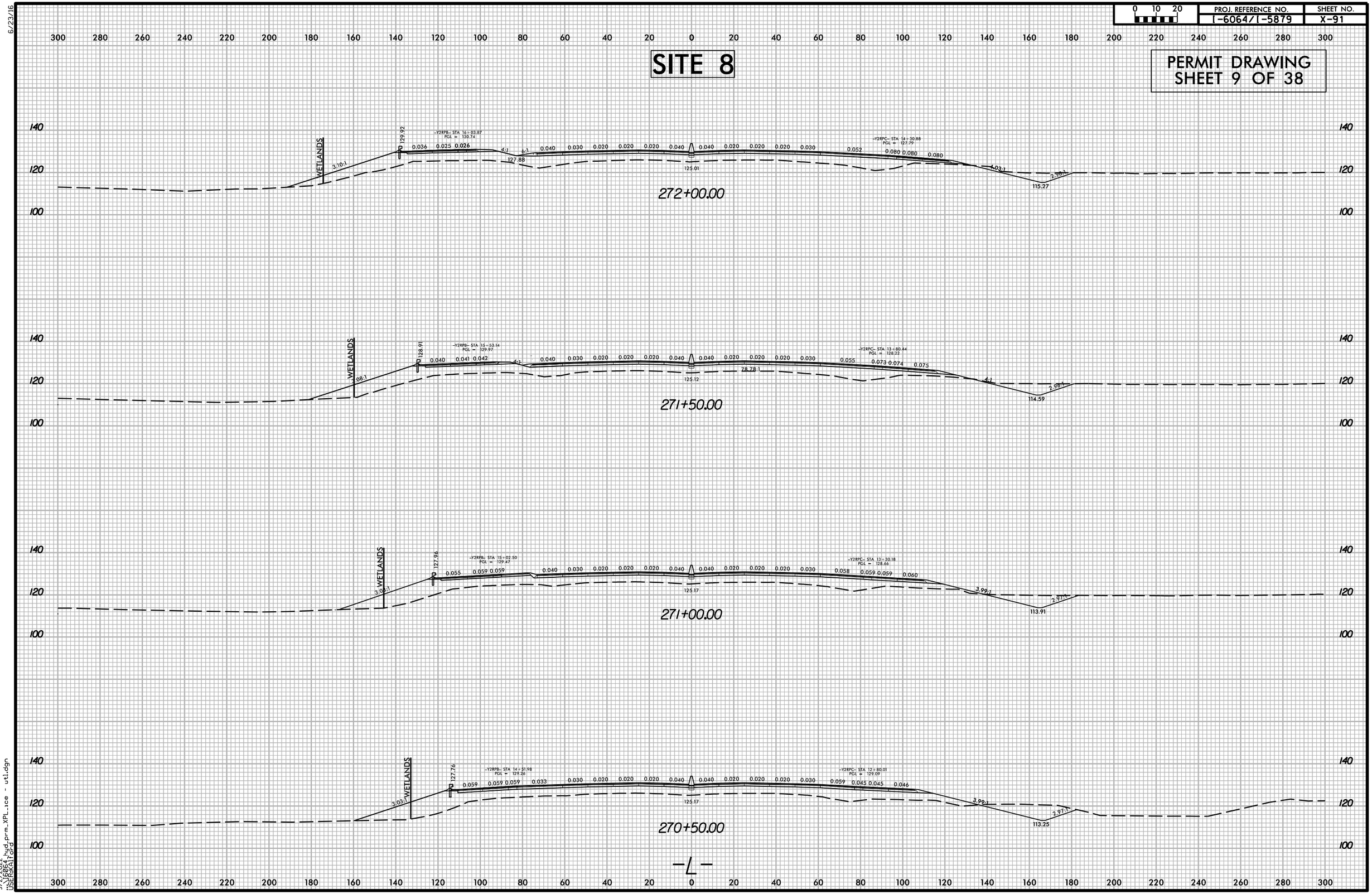
GRAPHIC SCALE

SITE 10 ENLARGEMENT

PERMIT DRAWING SHEET 8 OF 38

F F FILL IN WETLAND

HC HC HAND CLEARING (NON-GRUBBING)



6/23/16

9/2/2022
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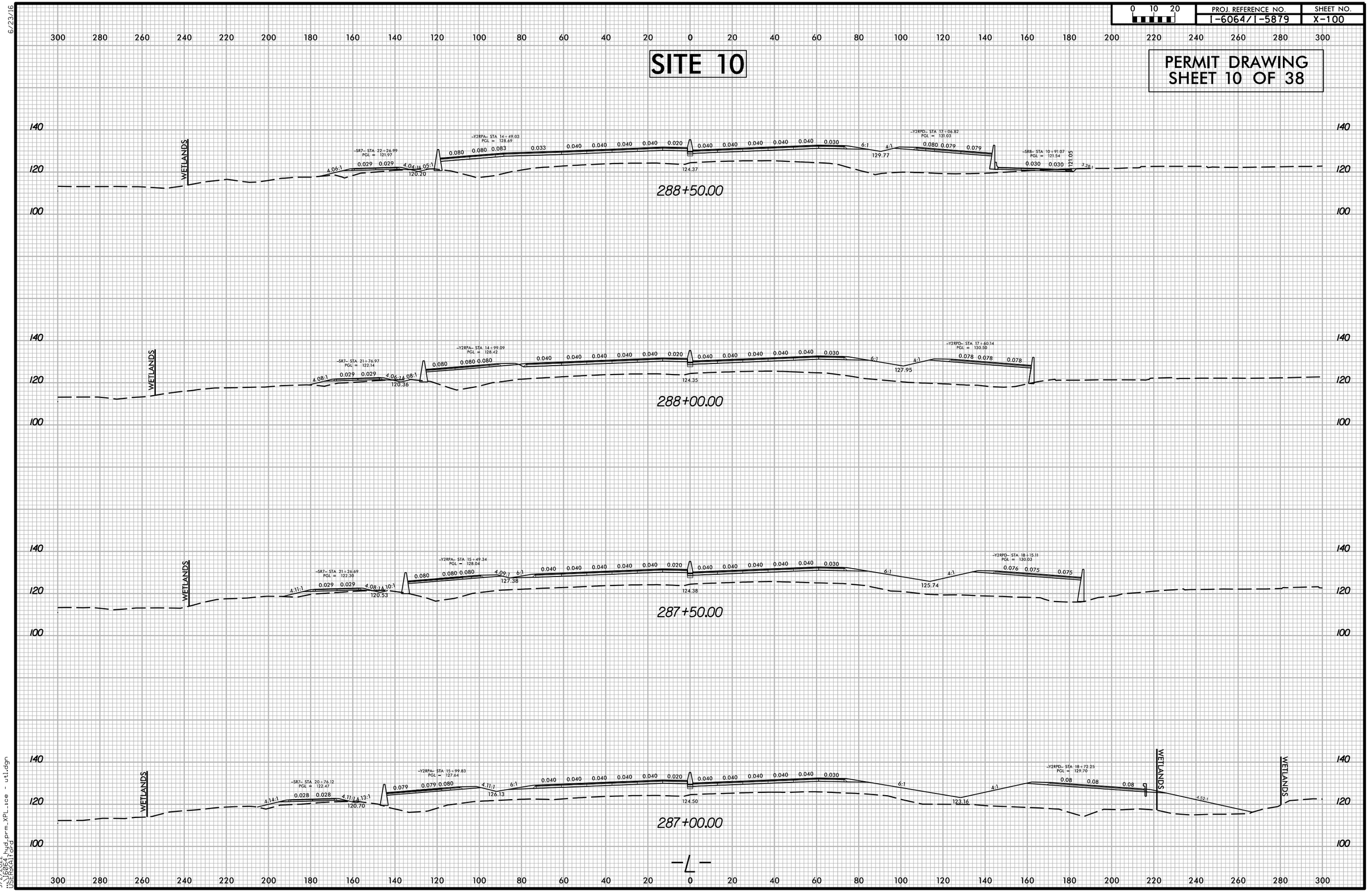
PROJ. REFERENCE NO.	SHEET NO.
I-6064/I-5879	X-100

SITE 10

PERMIT DRAWING
SHEET 10 OF 38



6/23/16

9/2/2022
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USER:KAlford

6/23/16

0 10 20	PROJ. REFERENCE NO.	SHEET NO.
	I-6064/I-5879	X-101

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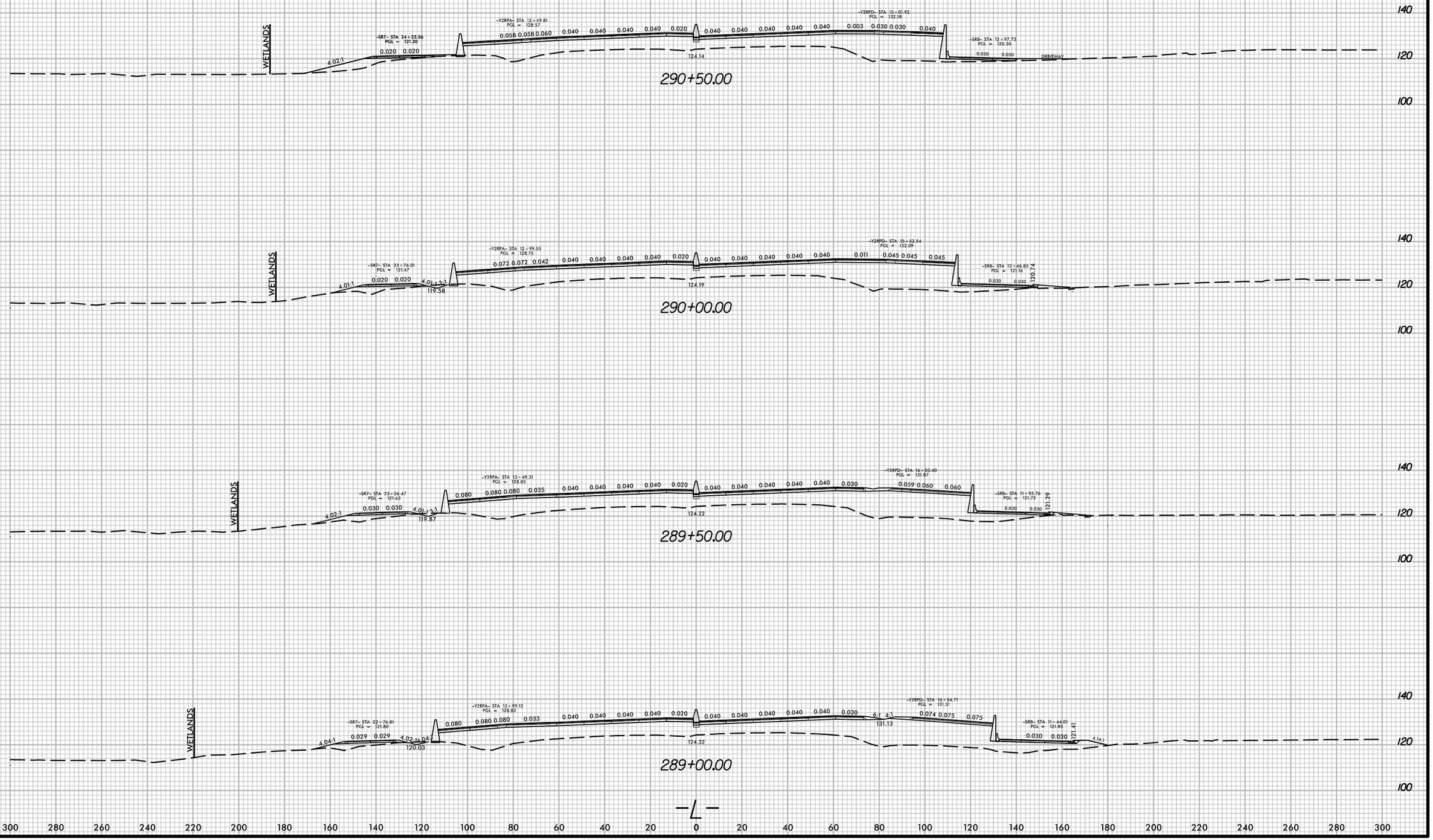
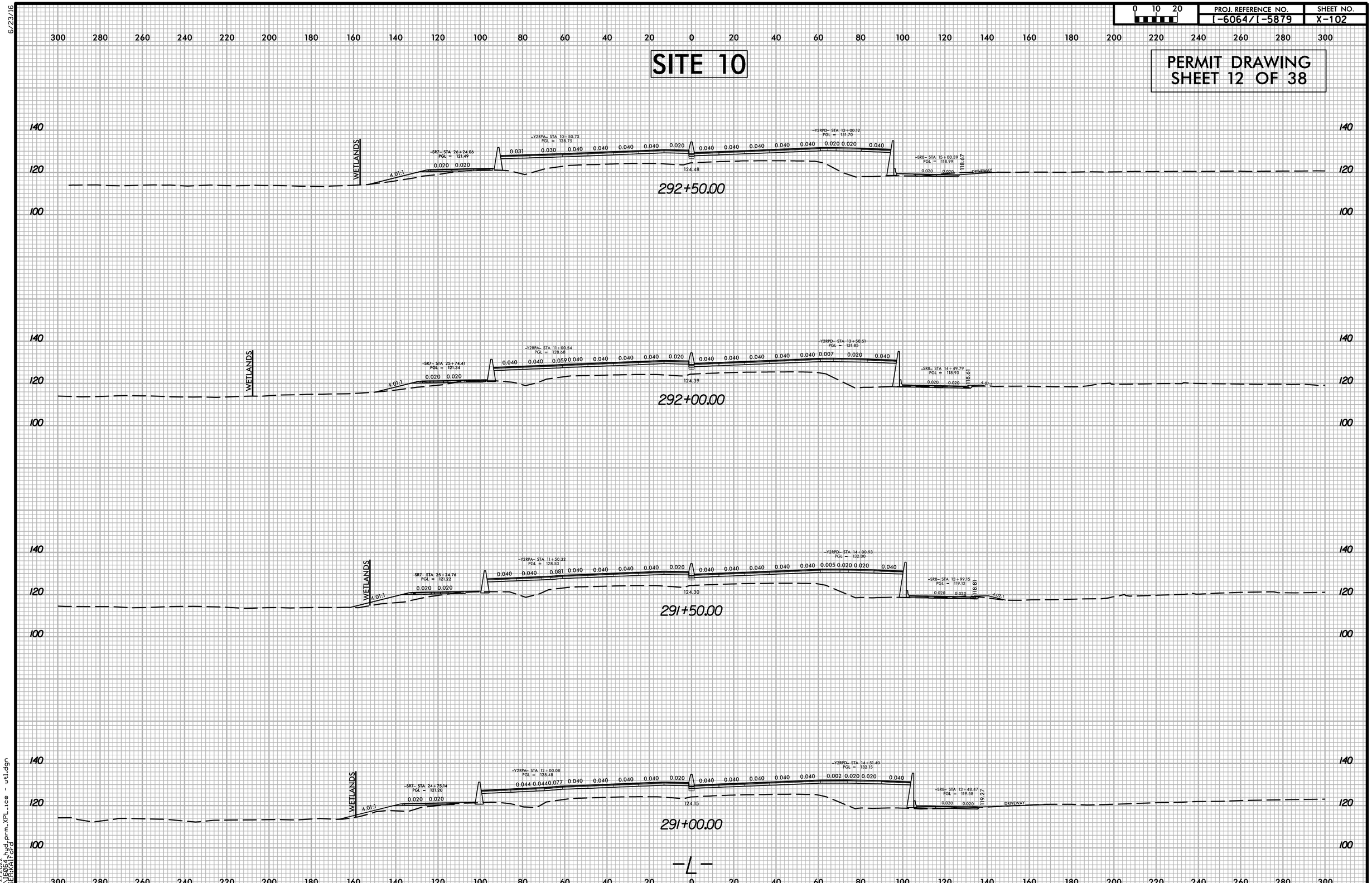
PERMIT DRAWING
SHEET 11 OF 38



9/2/2022
I-6064_hyd_prm_XPL_ice - util.dgn
USER:KAITord



6/23/16

9/2/2022
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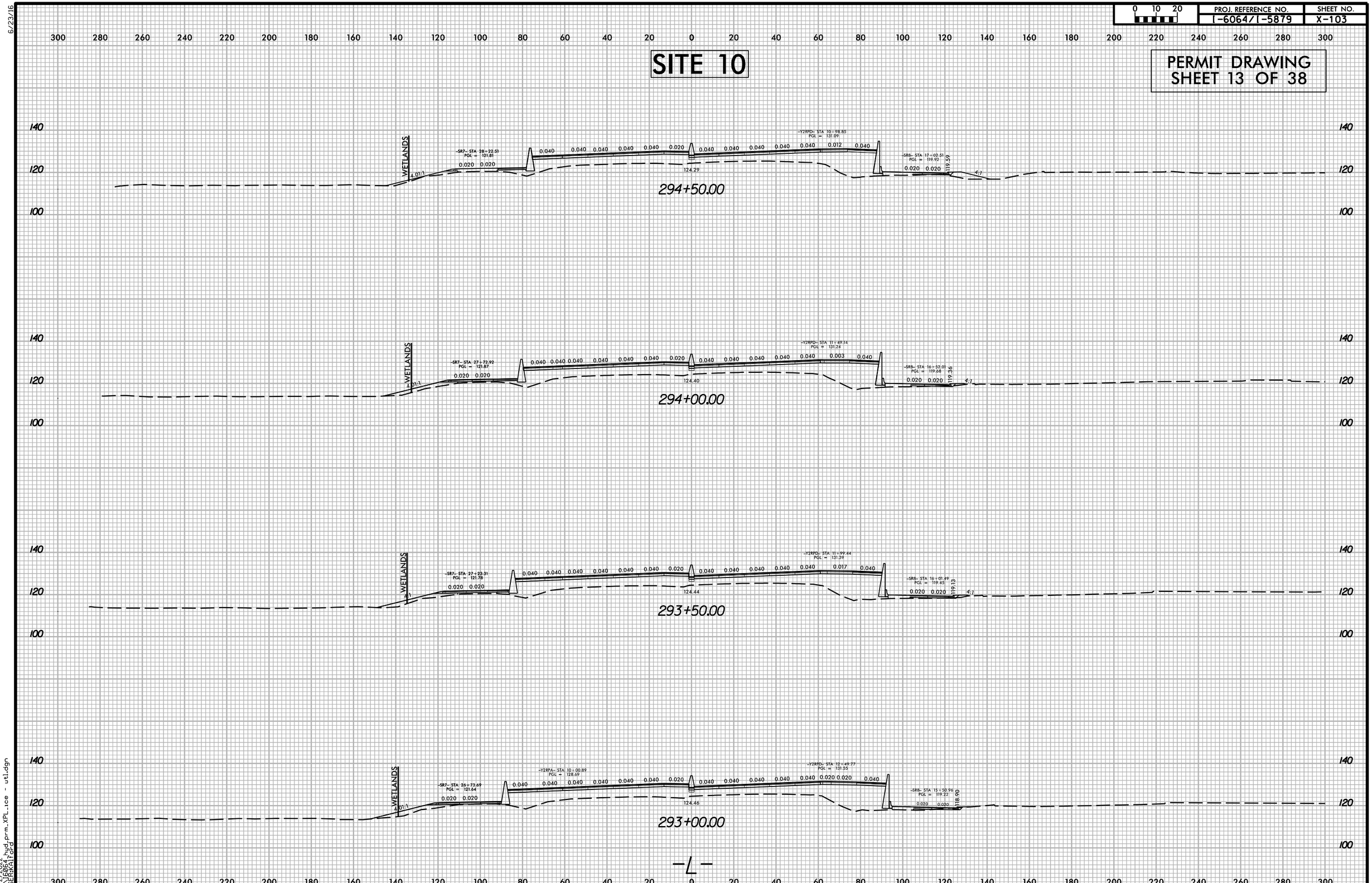
USER:KAIford



6/23/16

9/2/2022
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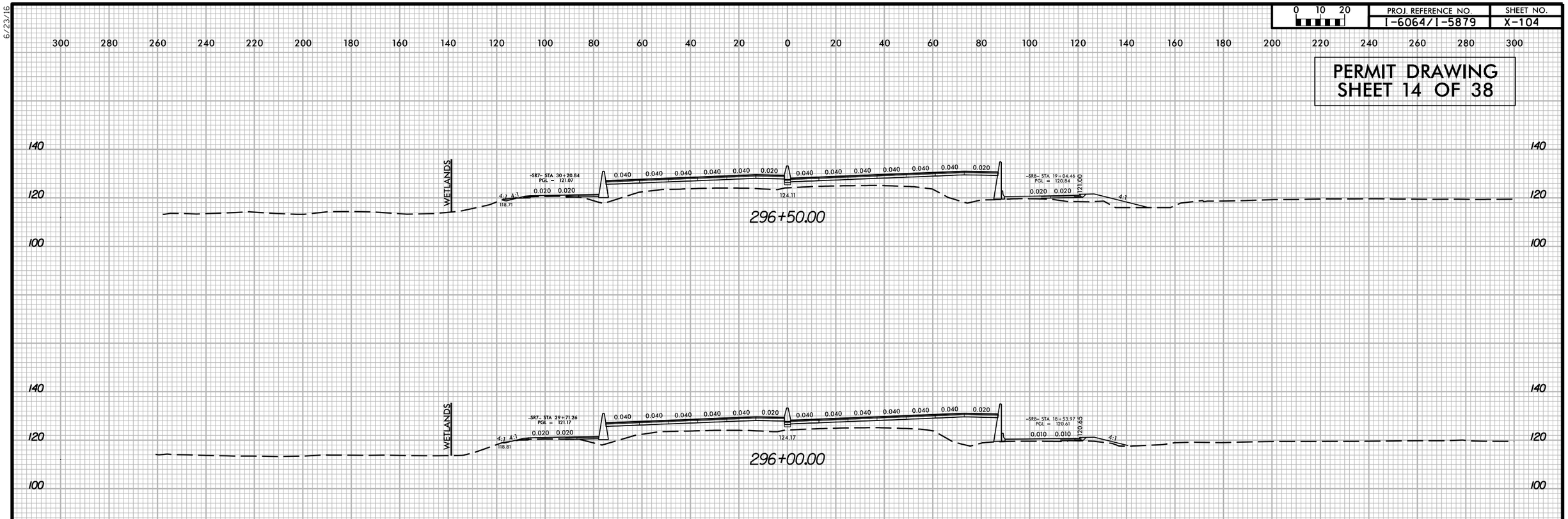
USER:KAIford

0 10 20	PROJ. REFERENCE NO.	SHEET NO.
	I-6064/I-5879	X-104

PERMIT DRAWING
SHEET 14 OF 38



FLATIRON UNITED INFRASTRUCTURE GROUP

ICE of CAROLINAS, PLLC

ICE of Carolinas, PLLC
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Raleigh, North Carolina 27609
Phone: 803-822-0333
License #: P-0999

PROJECT REFERENCE NO.	SHEET NO.
I-6064/I-5879	19
R/W SHEET NO.	
ROADWAY DESIGN ENGINEER	HYDRAULICS ENGINEER

DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED

PERMIT DRAWING SHEET 15 OF 38

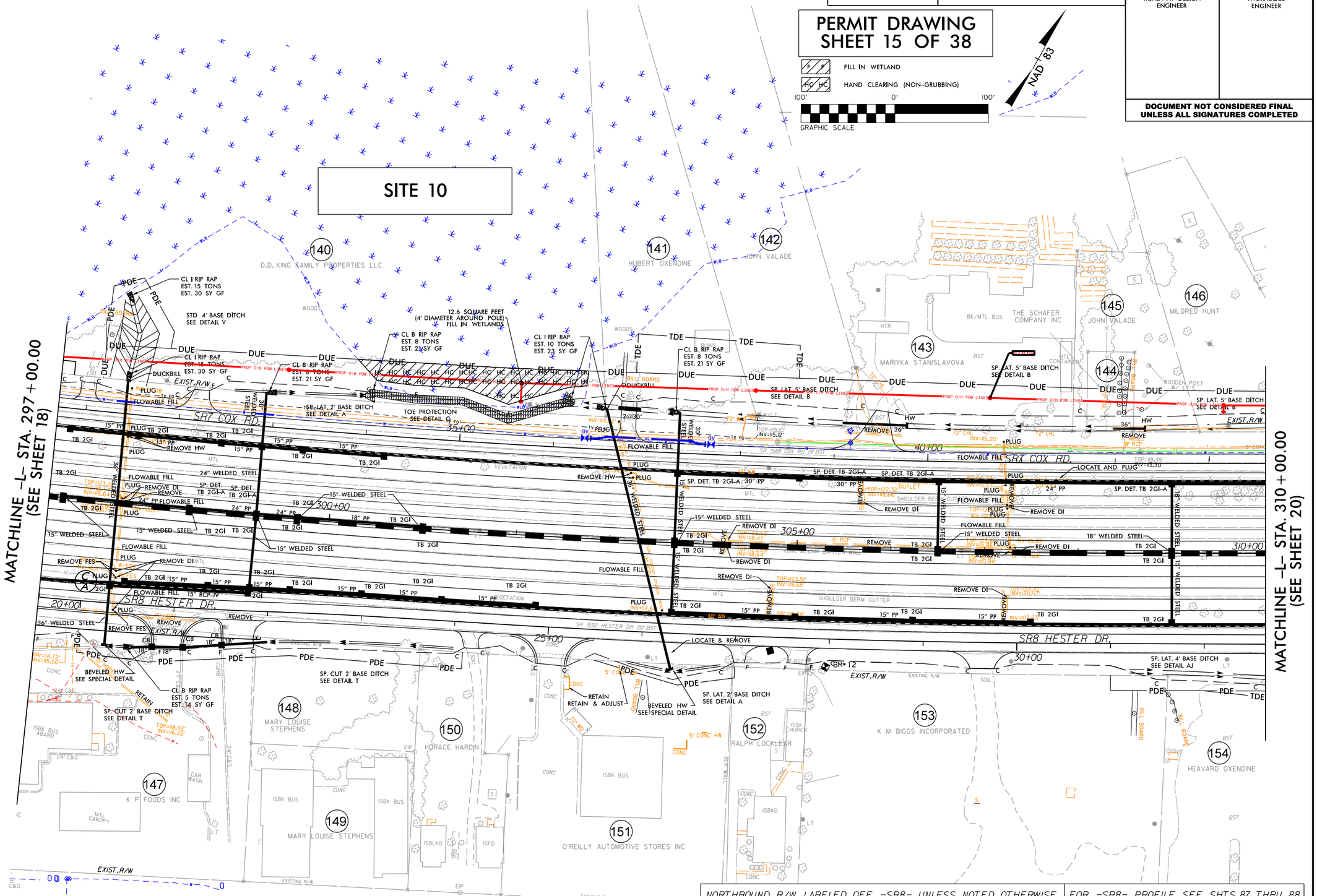
FILL IN WETLAND

HAND CLEARING (NON-GRUBBING)

100' 0' 100'

GRAPHIC SCALE

NAD 83



NORTHBOUND R/W LABELED OFF -SR8- UNLESS NOTED OTHERWISE.	FOR -SR8- PROFILE SEE SHTS.87 THRU 88	
SOUTHBOUND R/W LABELED OFF -SR7- UNLESS NOTED OTHERWISE.	FOR -L- PROFILE SEE SHT.46	FOR -SR7- PROFILE SEE SHT.86

8/17/99

$DATE$ $TIME$
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KAlford

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License #: P-0999

PROJECT REFERENCE NO.	SHEET NO.
I-6064/I-5879	19
R/W SHEET NO.	
ROADWAY DESIGN ENGINEER	HYDRAULICS ENGINEER

DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED

PERMIT DRAWING SHEET 16 OF 38

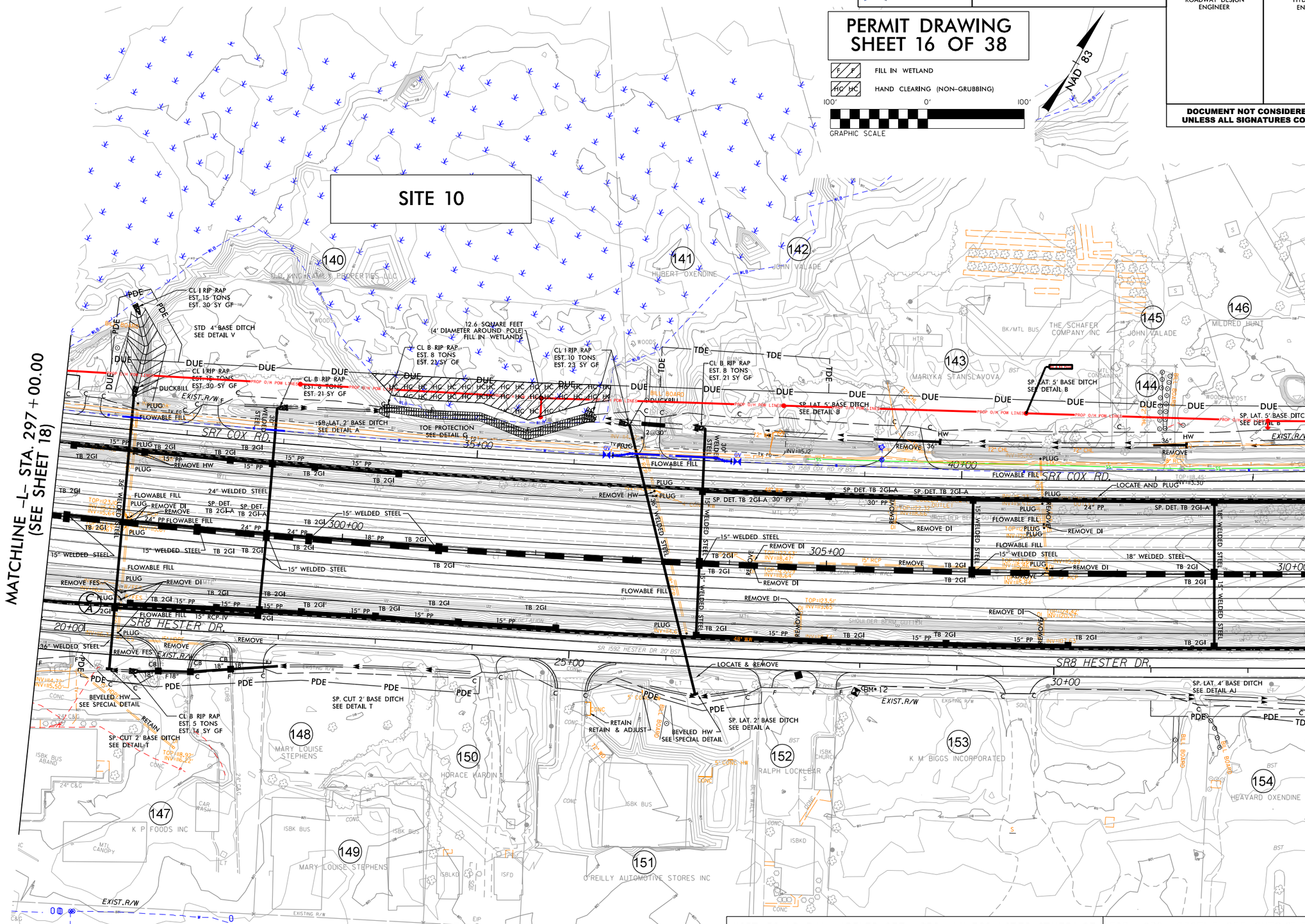
F F FILL IN WETLAND

HC HC HAND CLEARING (NON-GRUBBING)

100' 0' 100'

GRAPHIC SCALE

NAD 83



NORTHBOUND R/W LABELED OFF -SR8- UNLESS NOTED OTHERWISE.	FOR -SR8- PROFILE SEE SHTS.87 THRU 88	
SOUTHBOUND R/W LABELED OFF -SR7- UNLESS NOTED OTHERWISE.	FOR -L- PROFILE SEE SHT.46	FOR -SR7- PROFILE SEE SHT.86

8/17/99

$DATE$ $TIME$
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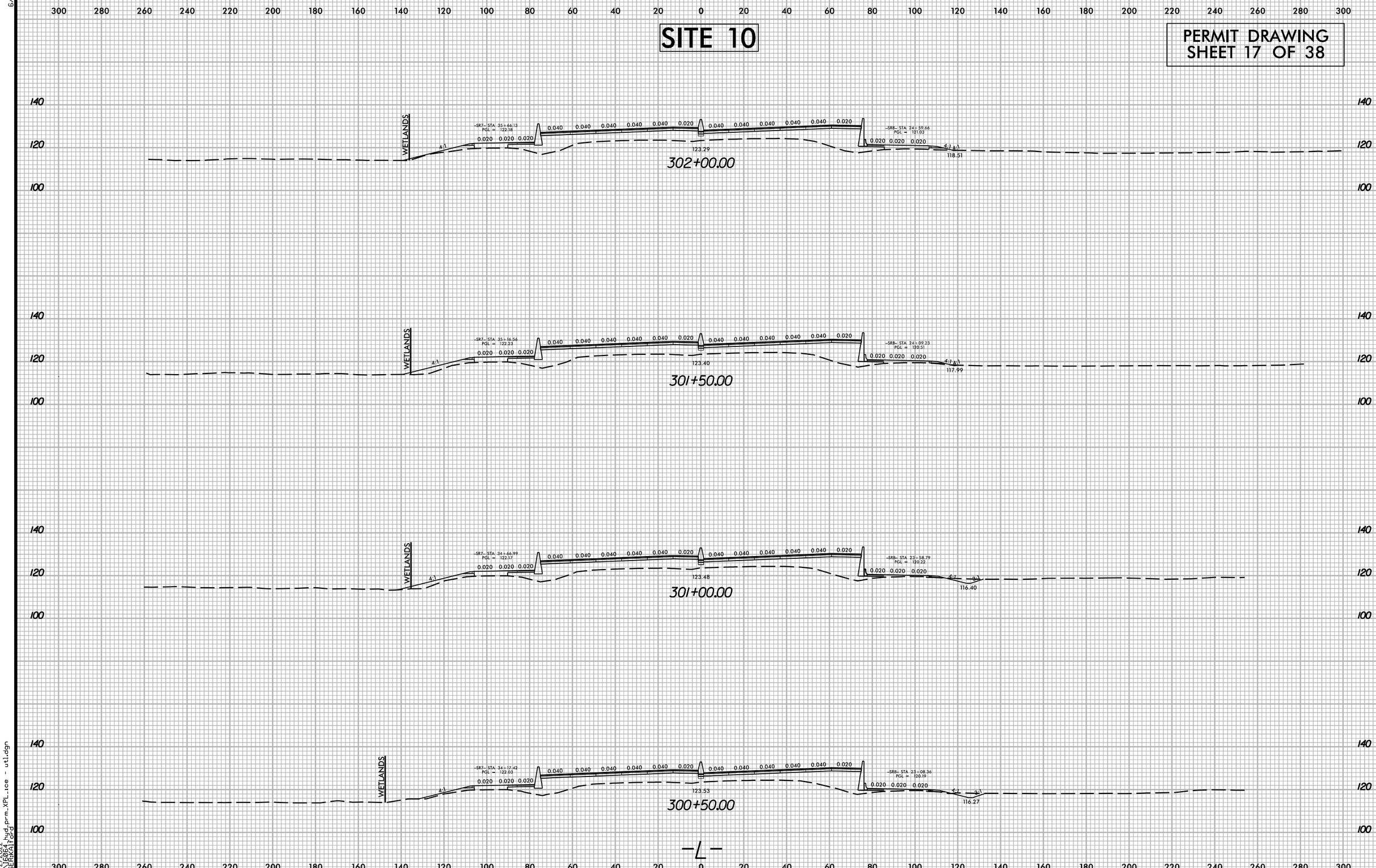
KAlford

PROJ. REFERENCE NO.	SHEET NO.
I-6064/I-5879	X-107

SITE 10

PERMIT DRAWING
SHEET 17 OF 38



6/23/16

9/2/2022
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USER:KAlford

8/17/99

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PROJECT REFERENCE NO.	SHEET NO.
I-6064/I-5879	23
RW SHEET NO.	
ROADWAY DESIGN ENGINEER	HYDRAULICS ENGINEER

DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED

PERMIT DRAWING SHEET 18 OF 38

100' 0' 100'

GRAPHIC SCALE

F F FILL IN WETLAND

HC HC HAND CLEARING (NON-GRUBBING)

MATCHLINE -L- STA. 347+00.00 (SEE SHEET 22)

MATCHLINE -L- STA. 360+00.00 (SEE SHEET 24)

Lumber River

Saddletree Swamp

THE CITY OF LUMBERTON (173, 176)

STATE HIGHWAY AND PUBLIC WORKS COMMISSION (172, 174)

THE LUMBER RIVER CONSERVANCY (177, 178, 181, 182)

JAMES N. BRITT III (179, 183)

CITY OF LUMBERTON (175)

LAT. 5' BASE DITCH SEE DETAIL AO

CL II RIP-RAP ROCK PLATING

CL I RIP RAP EST. 11 TONS EST. 22 SY GF

CL I RIP RAP EST. 3 TONS EST. 5 SY GF

CL I RIP RAP EST. 2 TONS EST. 7 SY GF

15" CAAP W/GASKET, ROD AND LUG CONNECTORS W/2 ELBOWS

+60.00 150.00 LT

TIE PROP WW FENCE TO BRIDGE

EXIST. R/W

60' WW

REMOVE

REMOVE DI

TB 2GI

15" RCP-III

15" WELDED STEEL

18" WELDED STEEL

15" PP

24" PP

PLUG

FLOWABLE FILL

BERM GUTTER

CONC MEDIAN BARRIER WALL

REMOVE CONCRETE DITCH 12' CONC

STRUCTURE EXCAVATION

WALL SCOUR COUNTERMEASURE 48" RW & 15BR

25' WATER AND SEWER DISPOSAL EASEMENT DB 49 PG 49

CL II RIP RAP

SP. DET. TB JB wMH (DROP STRUCTURE)

CL I RIP RAP EST. 48 TONS EST. 89 SY GF

TERMINUS UNKNOWN

45" CMP REMOVE

66" HW

12.6 SQUARE FEET (4' DIAMETER AROUND POLE) FILL IN WETLANDS

0.8 SQUARE FEET (1' DIAMETER AROUND GUY ANCHOR) FILL IN WETLANDS

PROP O/H POW LINES

PROP U/G POW CONDUIT

PUE

HC HC HC HC HC HC HC HC HC HC HC HC HC HC HC HC HC HC HC HC

WOODS

THE RIVER WALK 8' BST

MTL

23' BST

15' BST

8' BST

5' BST

195 SBL VARIABLE WIDTH BST

195 NBL VARIABLE WIDTH 24' BST

BRIDGE #147

BRIDGE #146

BRIDGE SEAT=119.30'

BRIDGE SEAT=119.57'

BRIDGE SEAT=119.84'

350+00

355+00

360+00

SITE 19

NORTHBOUND R/W LABELED OFF -L- UNLESS NOTED OTHERWISE. | FOR -L- PROFILE SEE SHT.48

SOUTHBOUND R/W LABELED OFF -L- UNLESS NOTED OTHERWISE. | FOR -Y4RPB- PROFILE SEE SHT.61

$DATE$ $TIME$
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Raleigh, North Carolina 27609
Phone: 803-822-0333
License #: P-0999

PROJECT REFERENCE NO.	SHEET NO.
I-6064/I-5879	23
RW SHEET NO.	
ROADWAY DESIGN ENGINEER	HYDRAULICS ENGINEER

DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED

PERMIT DRAWING SHEET 19 OF 38

100' 0' 100'
GRAPHIC SCALE

F F FILL IN WETLAND
HC HC HAND CLEARING (NON-GRUBBING)

MATCHLINE -L- STA. 347+00.00 (SEE SHEET 22)

MATCHLINE -L- STA. 360+00.00 (SEE SHEET 24)

SITE 19

NORTHBOUND R/W LABELED OFF -L- UNLESS NOTED OTHERWISE. | FOR -L- PROFILE SEE SHT.48

SOUTHBOUND R/W LABELED OFF -L- UNLESS NOTED OTHERWISE. | FOR -Y4RPB- PROFILE SEE SHT.61

$DATE$ $TIME$
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Kevin.Alford

6/23/16

0 10 20	PROJ. REFERENCE NO.	SHEET NO.
	I-6064/I-5879	X-136

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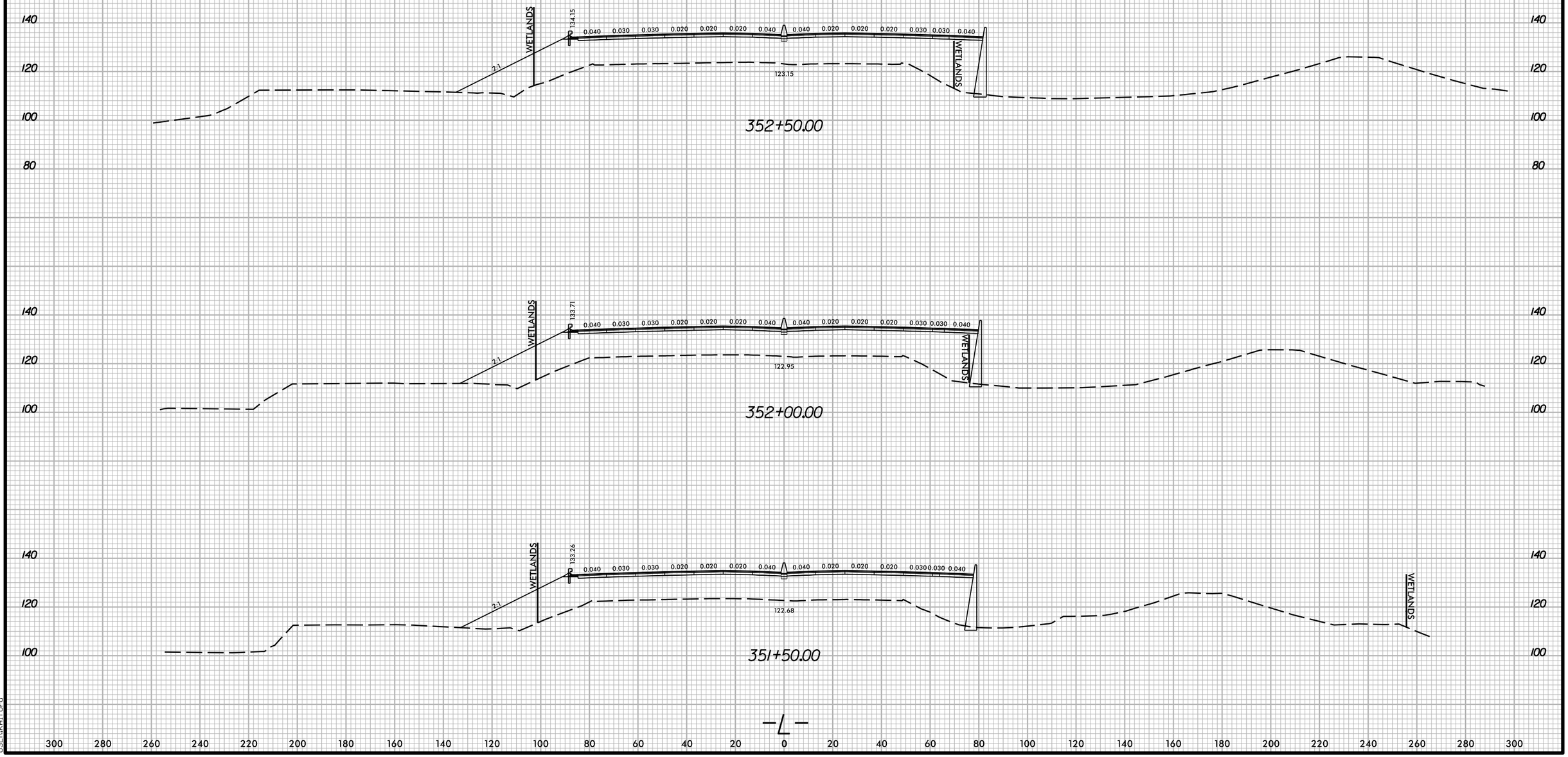
SITE 19

PERMIT DRAWING
SHEET 20 OF 38



300 280 260 240 220 200 180 160 140 120 100 80 60 40 20 0 20 40 60 80 100 120 140 160 180 200 220 240 260 280 300

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USERKAlford

FLATIRON UNITED

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4525 Falls of Neuse Road, Suite 110
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Phone: 833-423-2423
License # P-0688

PROJECT REFERENCE NO.	SHEET NO.
I-6064/I-5879	24
R/W SHEET NO.	
ROADWAY DESIGN ENGINEER	HYDRAULICS ENGINEER

DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED

PERMIT DRAWING
SHEET 21 OF 38

F F FILL IN WETLAND

HC HC HAND CLEARING (NON-GRUBBING)

RALEIGH

200' 0' 200'

GRAPHIC SCALE

SITE 22

SITE 21

MATCHLINE -Y4- STA. 19+00.00 (SEE SHEET 32)

MATCHLINE -L- STA. 360+00.00 (SEE SHEET 23)

MATCHLINE -L- STA. 387+00.00 (SEE SHEET 25)

MATCHLINE -Y4- STA. 35+00.00 (SEE SHEET 33)

SEE SHEET 23 OF 38 FOR ENLARGED VIEW

SEE SHEET 24 OF 38 FOR ENLARGED VIEW

SR2 KAPLANO ST

SR1 LACKEY ST

EXIST.R/W

Lumber River

CALLOUT LEGEND	
A	-SR1- POT Sta. 10+00.00 = -Y4- POT Sta. 23+42.49
B	-RAB1- POC Sta. 22+00.00 = -RAB1- POC Sta. 23+58.14
C	-SR1- PC Sta. 10+94.22
D	-Y4RPC- PT Sta. 22+50.79
E	-Y4RPC- POT Sta. 22+67.33
F	-SR2- POT Sta. 10+00.00 = -Y4- POT Sta. 37+76.45
G	-RAB2- POC Sta. 30+00.00 = -RAB2- POT Sta. 33+58.14

		FOR -L- PROFILE SEE SHT.49
FOR -SR1- PROFILE SEE SHT.69	FOR -Y4- PROFILE SEE SHT.59	FOR -Y4RPB- PROFILE SEE SHT.61
FOR -SR2- PROFILE SEE SHTS.71 THRU 72	FOR -RAB1- PROFILE SEE SHT.60	FOR -Y4RPC- PROFILE SEE SHT.62
FOR -Y4RPA- PROFILE SEE SHTS.60 THRU 61	FOR -RAB2- PROFILE SEE SHT.60	FOR -Y4RPD- PROFILE SEE SHT.62

GRAPHIC SCALE
50 25 0 50 100
PLANS

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8/21/2025

FLATIRON UNITED

ICE of Carolinas, PLLC
4525 Falls of Neuse Road, Suite 110
Raleigh, North Carolina 27609
Phone: 833-423-2222
License #: P-0698

PROJECT REFERENCE NO.	SHEET NO.
I-6064/I-5879	24
R/W SHEET NO.	
ROADWAY DESIGN ENGINEER	HYDRAULICS ENGINEER

DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED

PERMIT DRAWING
SHEET 22 OF 38

F F FILL IN WETLAND

HC HC HAND CLEARING (NON-GRUBBING)

RAD 83

200' 0' 200'
GRAPHIC SCALE

SITE 22

SITE 21

MATCHLINE -Y4- STA. 19+00.00 (SEE SHEET 32)

MATCHLINE -L- STA. 360+00.00 (SEE SHEET 23)

MATCHLINE -Y4- STA. 35+00.00 (SEE SHEET 39)

MATCHLINE -L- STA. 387+00.00 (SEE SHEET 25)

SEE SHEET 23 OF 38 FOR ENLARGED VIEW

SEE SHEET 24 OF 38 FOR ENLARGED VIEW

SR2 CAPLAND ST

SR2 BRIARKEY ST

Lumber River

CALLOUT LEGEND
Ⓐ -SRI- POT Sta. 10+70.00 = -Y4- POT Sta. 23+42.49
Ⓑ -RAB1- POC Sta. 20+00.00 = -RAB1- POC Sta. 23+58.14
Ⓒ -SRI- PC Sta. 10+94.22
Ⓓ -Y4RPC- PT Sta. 22+50.79
Ⓔ -Y4RPC- POT Sta. 22+67.33
Ⓕ -SR2- POT Sta. 10+50.00 = -Y4- POT Sta. 31+76.42
Ⓖ -RAB2- POC Sta. 30+00.00 = -RAB2- POT Sta. 33+98.14

		FOR -L- PROFILE SEE SHT.49
FOR -SRI- PROFILE SEE SHT.69	FOR -Y4- PROFILE SEE SHT.59	FOR -Y4RPB- PROFILE SEE SHT.61
FOR -SR2- PROFILE SEE SHTS.71THRU 72	FOR -RAB1- PROFILE SEE SHT.60	FOR -Y4RPC- PROFILE SEE SHT.62
FOR -Y4RPA- PROFILE SEE SHTS.60 THRU 61	FOR -RAB2- PROFILE SEE SHT.60	FOR -Y4RPD- PROFILE SEE SHT.62

GRAPHIC SCALE
50 25 0 50 100
PLANS

DATE PLOTTED: 8/19/2025 8:19:47 AM
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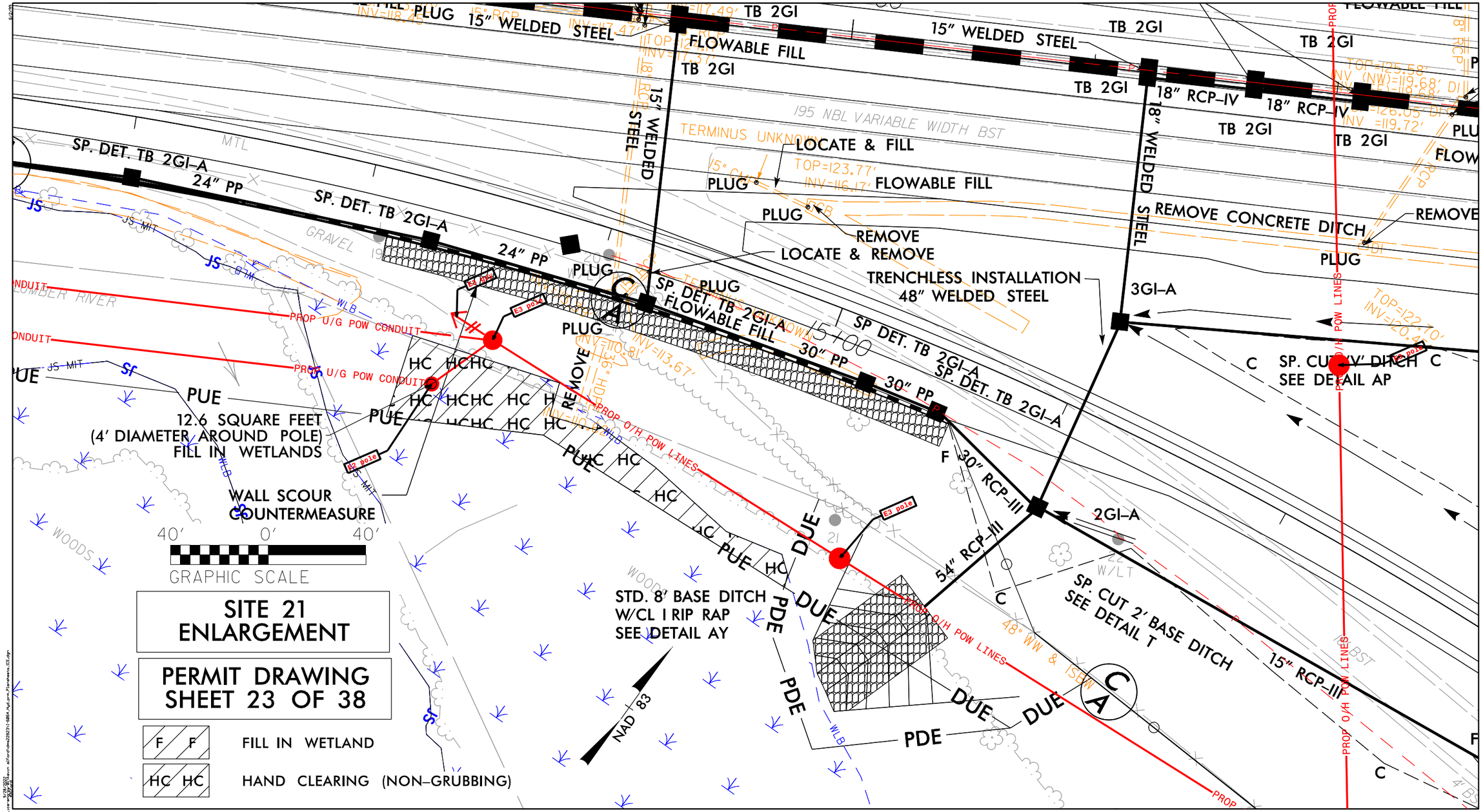


SITE 21
ENLARGEMENT
PERMIT DRAWING
SHEET 23 OF 38
F F FILL IN WETLAND
HC HC HAND CLEARING (NON-GRUBBING)
GRAPHIC SCALE
40' 0' 40'
NAD 83
SP. DET. TB 2GI-A
24" PP
15" WELDED STEEL
TB 2GI
FLOWABLE FILL
18" RCP-IV
18" WELDED STEEL
REMOVE CONCRETE DITCH
REMOVE
LOCATE & FILL
LOCATE & REMOVE
TRENCHLESS INSTALLATION
48" WELDED STEEL
3GI-A
30" PP
30" RCP-III
54" RCP-III
2GI-A
15" RCP-III
SP. CUT 'V' DITCH
SEE DETAIL AP
SP. CUT 2' BASE DITCH
SEE DETAIL T
STD. 8' BASE DITCH
W/CL I RIP RAP
SEE DETAIL AY
12.6 SQUARE FEET
(4' DIAMETER AROUND POLE)
FILL IN WETLANDS
WALL SCOUR
COUNTERMEASURE
PUE
DUE
PDE
PROP U/G POW CONDUIT
PROP O/H POW LINES
195 NBL VARIABLE WIDTH BST
TERMINUS UNKNOWN

NAD 83

0.8 SQUARE FEET (1' DIAMETER AROUND FILL IN WETLANDS

STD. 3' BASE DITCH W/CL B RIP RAP SEE DETAIL K

TOE PROTECTION SEE DETAIL G

DUE

DUE

HC

HC

RETAIN

REMOVE

REMOVE

REMOVE DI

REMOVE CB

LOCATE & REMOVE JB

RETAIN

RETAIN CB

REMOVE

REMOVE

REMOVE

REMOVE

PLUG

FLOWABLE FILL

PLUG

30" RCP-III

30" RCP-III

30" RCP-III

24" RCP-III

18" RCP-III

15" RCP-III

15" RCP-III

15" RCP-III

15" RCP-III

15" RCP-IV

15" RCP-IV

15" RCP-IV

15" RCP-III

48" WW FENCE

48" WW & ISBW

PROP O/H POW LINES

PROP O/H POW LINES

PROP O/H POW LINES

PROP U/G POW CABLES

O/H POW LINES

END FENCE

PFEH

POSSIBLY ABANDONED

INV A=129.67'

INV B=129.67'

TOP=131.50'

INV=129.00'

TOP=131.90'

INV (SE)=125.87'

INV (NW)=125.86'

INV=124.20'

TOP=132.48'

INV (SE)=127.36'

INV (NW)=127.29'

POSSIBLE BURIED JUNCTION BOX

TOP=131.92'

INV=131.52'

-SR1- +36.01 50.00 RT

-Y4- +15 130.00

25+00

20+00

Y4 CARTHAGE RD

6" CONC CURB

GRASS

EXIST.R/W

EXIST.R/W

218

ISBLK/BLDG (BUS)

CORPORATION

4-ISL'S 4 GAS PUMPS U/MTL CANOPY

2-ISL'S 2 GAS PUMPS U/MTL CANOPY

PHONE BOOTH

AIT, Unknown

12" RCP

8" RCP

60" CLK

30" C&G

54" CONC

6" CONC CURB

W/LT

BST

CONC

CB

DI

CR

F

W

LS

T

E3 pole

40' 0' 40'

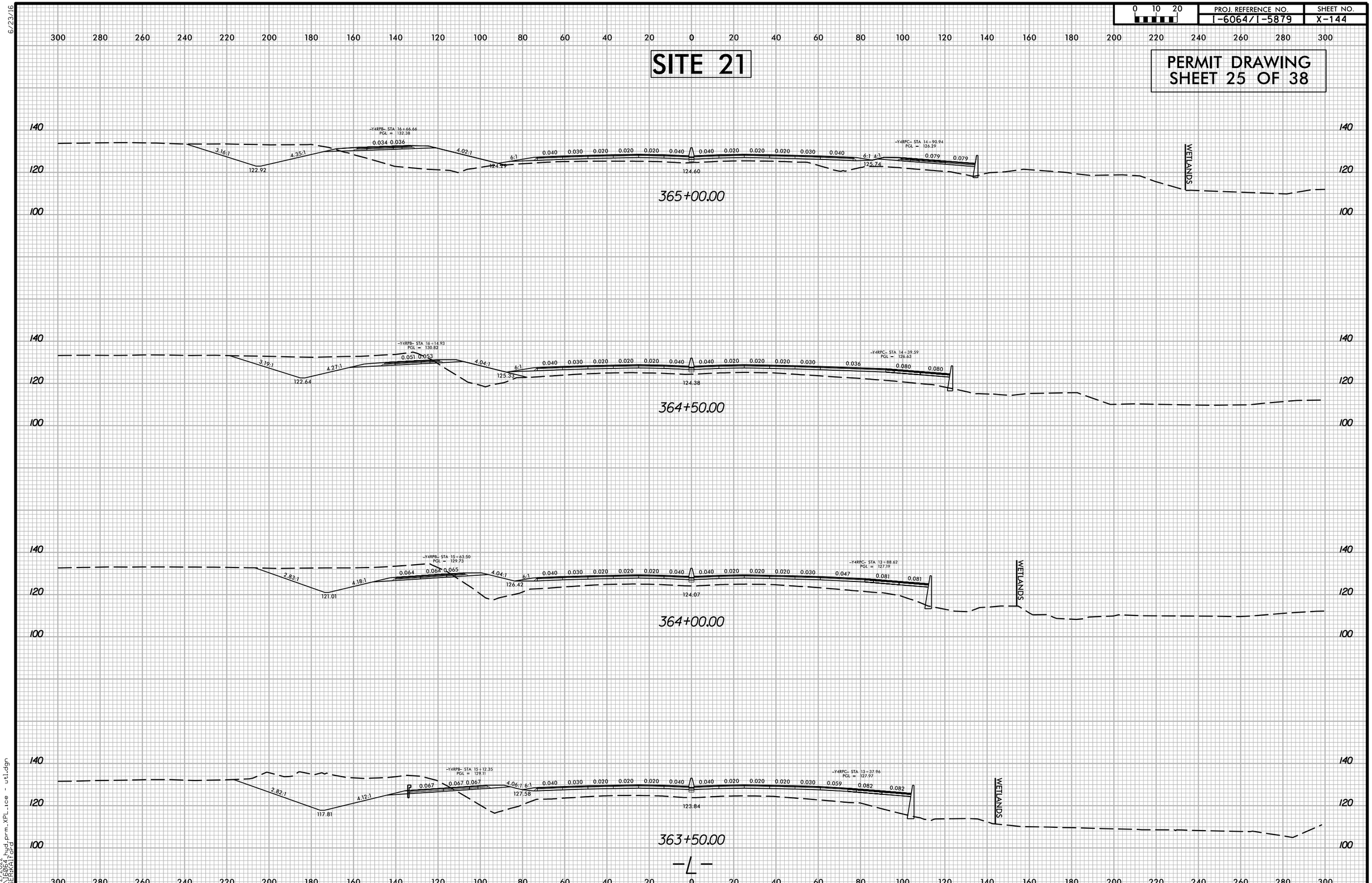
GRAPHIC SCALE

SITE 22 ENLARGEMENT

PERMIT DRAWING SHEET 24 OF 38

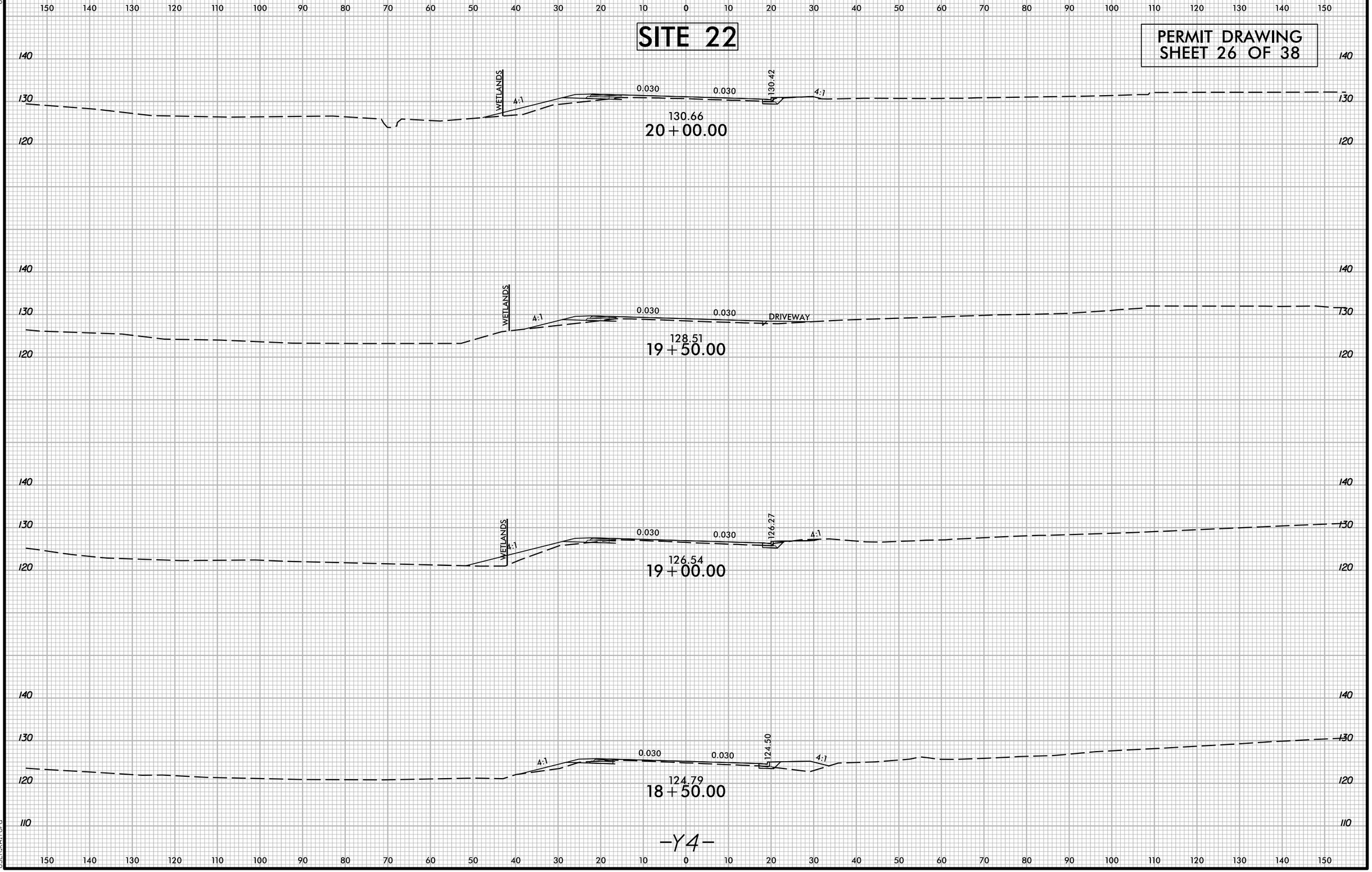
F F FILL IN WETLAND

HC HC HAND CLEARING (NON-GRUBBING)



6/23/16

9/2/2022
...\I6064_hyd_prm_XPL_ice - utl.dgn
USER:KAIford



6/23/16

9/2/2022
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USER:KAlford

8/17/99

FILL IN WETLAND

HAND CLEARING (NON-GRUBBING)

100' 0' 100'

GRAPHIC SCALE

FLATIRON UNITED INFRASTRUCTURE GROUP

WETHERILL ENGINEERING

Wetherill Engineering, Inc.
1223 Jones Franklin Road
Raleigh, North Carolina 27606
Phone: 919-851-8077
License #: F-0377

PROJECT REFERENCE NO.	SHEET NO.
I-6064/I-5879	28
R/W SHEET NO.	
ROADWAY DESIGN ENGINEER	HYDRAULICS ENGINEER

DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED

PERMIT DRAWING SHEET 27 OF 38

NAD 83

SITE 29

SITE 24

SITE 25

MATCHLINE -L- STA. 441+00.00 (SEE SHEET 27)

MATCHLINE -L- STA. 454+00.00 (SEE SHEET 29)

Meadow Branch

CITY OF LUMBERTON

FRENCH FAMILY PROPERTIES

CHARLES MCNEIL

SOUTHERN NATIONAL BANK

Fivemile Branch

SR4 DAWN DR

SR5 KAHN DR

-L- I-95

OUTLET CHANNEL IMPROVEMENTS SEE DETAIL Q

0.8 SQUARE FEET (1' DIAMETER AROUND GUY ANCHOR) FILL IN WETLANDS

12.6 SQUARE FEET (4' DIAMETER AROUND POLE) FILL IN WETLANDS

SPECIAL LAT. DITCH SEE DETAIL F

TOE PROTECTION SEE DETAIL W W/CL B RIPRAP EST 100 TONS EST 148 SY GT

TOE PROTECTION SEE DETAIL G W/CL B RIPRAP EST 60 TONS EST 130 SY GT

TOE PROTECTION SEE DETAIL G W/CL B RIPRAP EST 90 TONS EST 200 SY GT

SPECIAL LATERAL 'BASE' DITCH SEE DETAIL AI

INLET CHANNEL IMPROVEMENTS SEE DETAIL P

CHANNEL CHANGE SEE DETAIL AZ DDE = 1800 CY

CLASS I RIP RAP BANK STABILIZATION CL I RR 424 TNS GEO 720 SY

CLASS I RIP RAP BANK STABILIZATION CL I RR 322 TNS GEO 545 SY

3 @ 10' x 11' RCBC WITH BEVELED HEADWALL BURIED 1'

ATT Relocation Replacement Cables will be placed on pole line.

FOR -SR4- PROFILE SEE SHT.74	FOR -L- PROFILE SEE SHT.52
FOR -Y5RPA- PROFILE SEE SHT.65	FOR -SR5- PROFILE SEE SHT.77

$DATE$ $TIME$
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Kevin Alford

8/17/99

FLATIRON UNITED INFRASTRUCTURE GROUP

WETHERILL ENGINEERING

Wetherill Engineering, Inc.
1223 Jones Franklin Road
Raleigh, North Carolina 27606
Phone: 919-851-8077
License #: F-0377

PROJECT REFERENCE NO.	SHEET NO.
I-6064/I-5879	28
R/W SHEET NO.	
ROADWAY DESIGN ENGINEER	HYDRAULICS ENGINEER

DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED

PERMIT DRAWING SHEET 28 OF 38

F F FILL IN WETLAND

HC HC HAND CLEARING (NON-GRUBBING)

100' 0' 100'
GRAPHIC SCALE

NAD 83

SITE 29

SITE 24

SITE 25

MATCHLINE -L- STA. 441+00.00 (SEE SHEET 27)

MATCHLINE -L- STA. 454+00.00 (SEE SHEET 29)

OUTLET CHANNEL IMPROVEMENTS SEE DETAIL Q

0.8 SQUARE FEET (1' DIAMETER AROUND GUY ANCHOR) FILL IN WETLANDS

12.6 SQUARE FEET (4' DIAMETER AROUND POLE) FILL IN WETLANDS

SPECIAL CUT DITCH SEE DETAIL F

TOE PROTECTION SEE DETAIL G W/CL B RIPRAP EST 60 TONS EST 130 SY GT

TOE PROTECTION SEE DETAIL G W/CL B RIPRAP EST 90 TONS EST 200 SY GT

SR4 DAWN DR

SR5 KAHN DR

Y5RPA

-L- I-95

FLOWABLE FILL

3 @ 10' x 11' RCBC WITH BEVELED HEADWALL BURIED 1'

TOE PROTECTION SEE DETAIL W W/CL B RIPRAP EST 100 TONS EST 148 SY GT

INLET CHANNEL IMPROVEMENTS SEE DETAIL P

CHANNEL CHANGE SEE DETAIL AZ DDE = 1800 CY

CLASS I RIP RAP BANK STABILIZATION CL I RR 424 TNS GEO 720 SY

CLASS I RIP RAP BANK STABILIZATION CL I RR 322 TNS GEO 545 SY

SPECIAL LATERAL 'BASE' DITCH SEE DETAIL AI

ATT Relocation Replacement Cables will be placed on pole line.

Fivemile Branch

CITY OF LUMBERTON

FRENCH FAMILY PROPERTIES

CHARLES MCNEIL

SOUTHERN NATIONAL BANK

FOR -SR4- PROFILE SEE SHT.74	FOR -L- PROFILE SEE SHT.52
FOR -Y5RPA- PROFILE SEE SHT.65	FOR -SR5- PROFILE SEE SHT.77

$DATE$ $TIME$
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Kevin Alford

8/23/99

0 10 20	PROJ. REFERENCE NO.	SHEET NO.
	I-6064/I-5879	X-186

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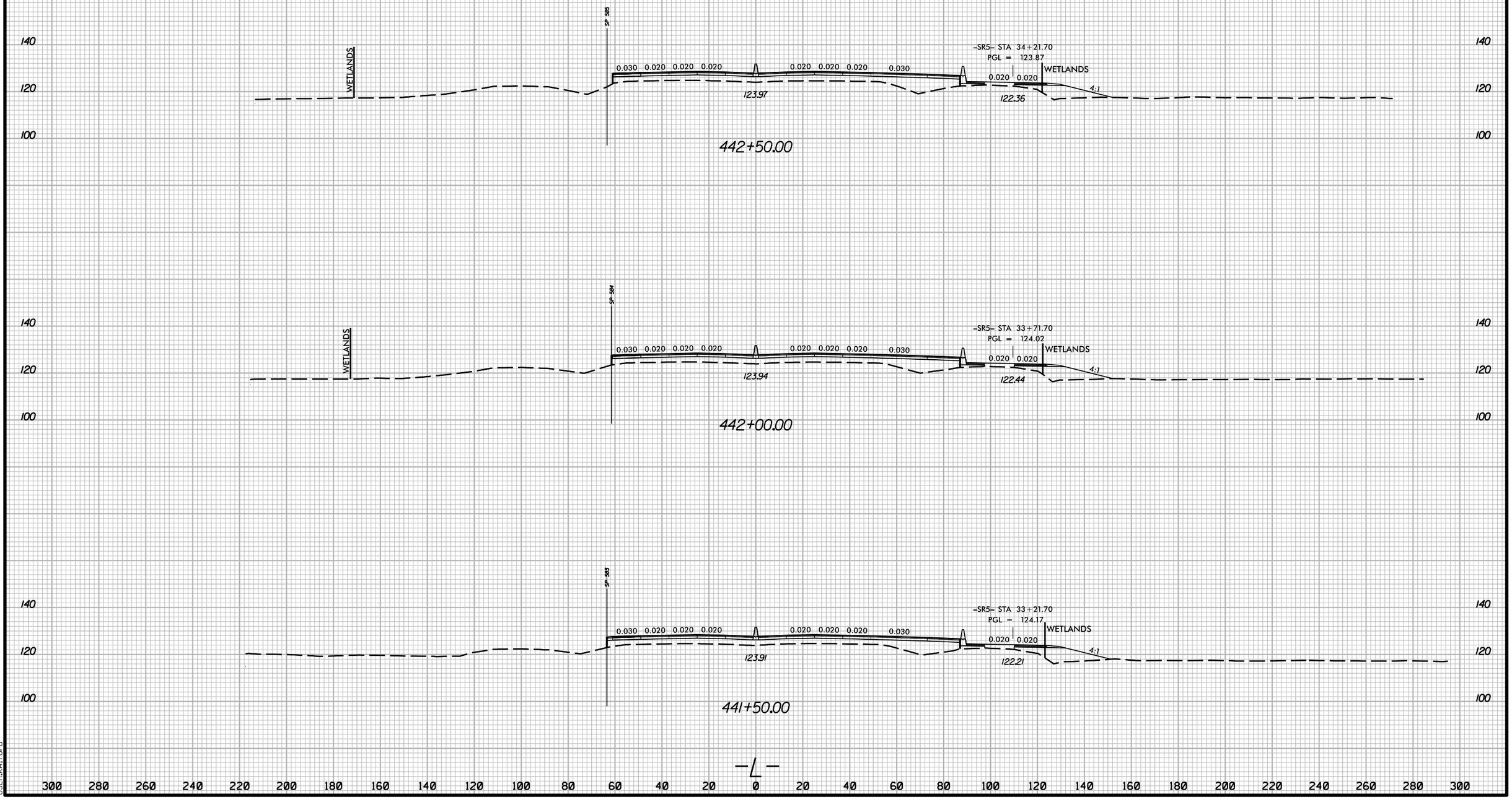
SITE 29

PERMIT DRAWING
SHEET 29 OF 38



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10/18/2022
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8/23/99

0 10 20	PROJ. REFERENCE NO.	SHEET NO.
	I-6064/I-5879	X-187

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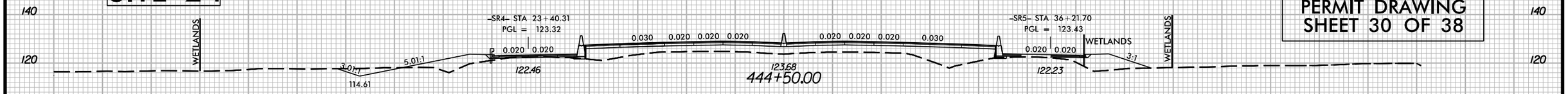
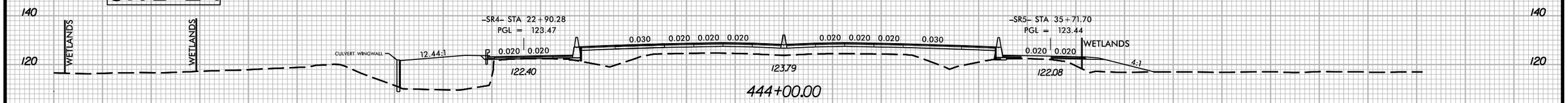
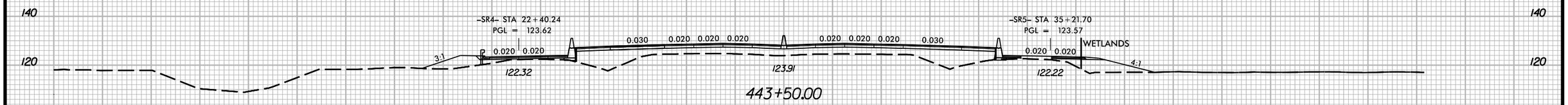
SITE 24

PERMIT DRAWING
SHEET 30 OF 38

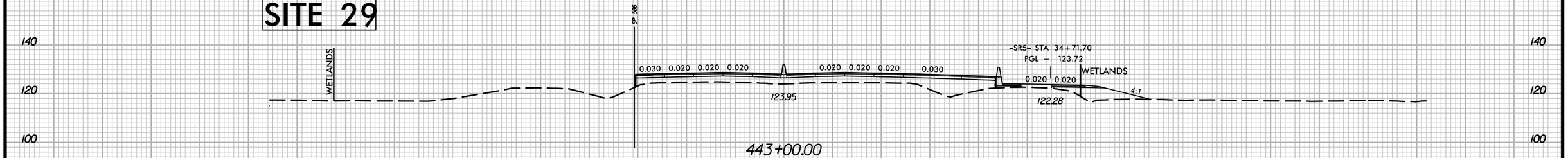


SITE 24





SITE 29



-L-

300 280 260 240 220 200 180 160 140 120 100 80 60 40 20 0 20 40 60 80 100 120 140 160 180 200 220 240 260 280 300

9/2/2022
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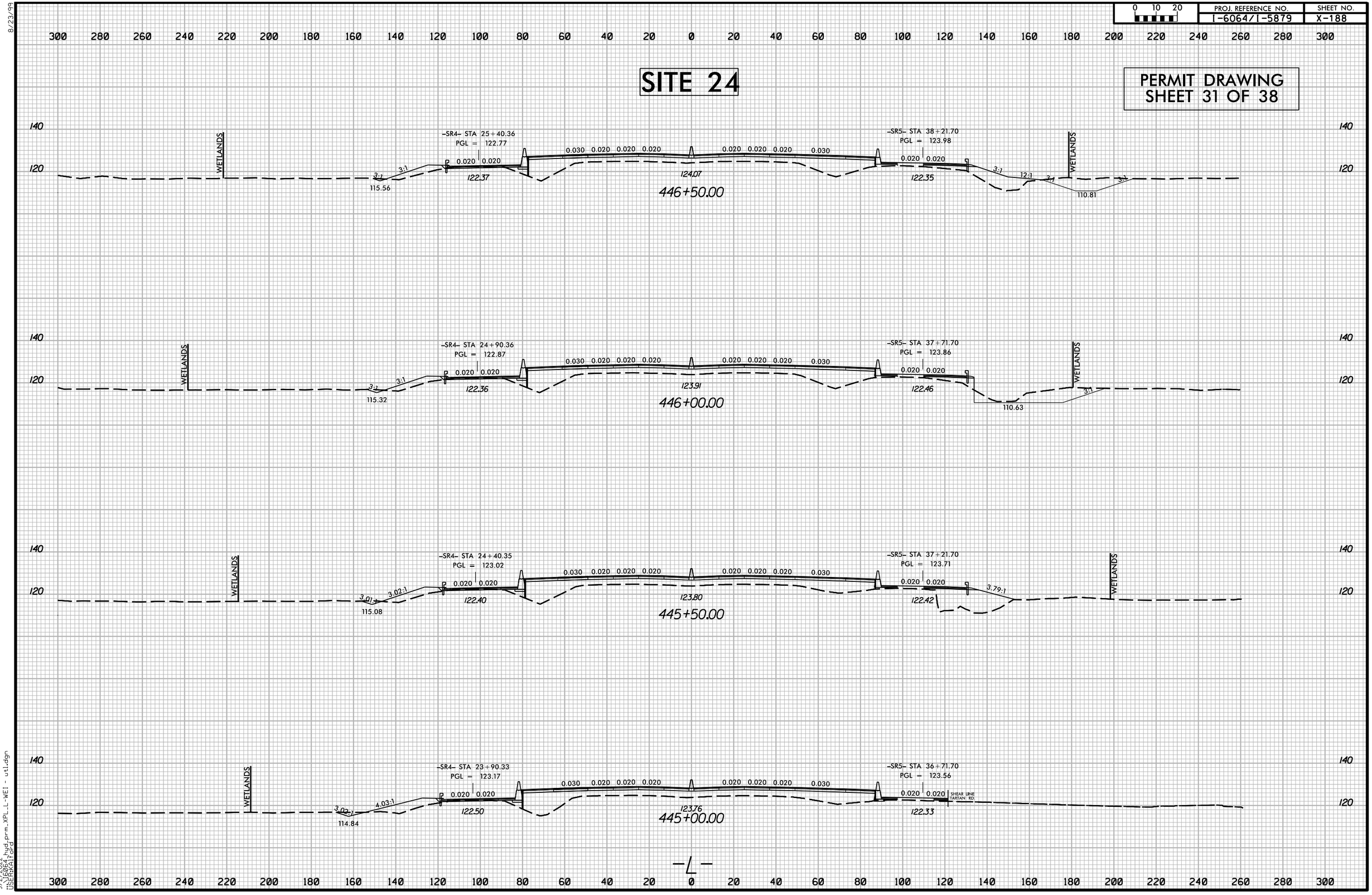
USER:KAITford

8/23/99

0 10 20	PROJ. REFERENCE NO.	SHEET NO.
	I-6064/I-5879	X-188

SITE 24

PERMIT DRAWING
SHEET 31 OF 38



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USER:KAITford

8/23/99

0 10 20	PROJ. REFERENCE NO.	SHEET NO.
	I-6064/I-5879	X-189

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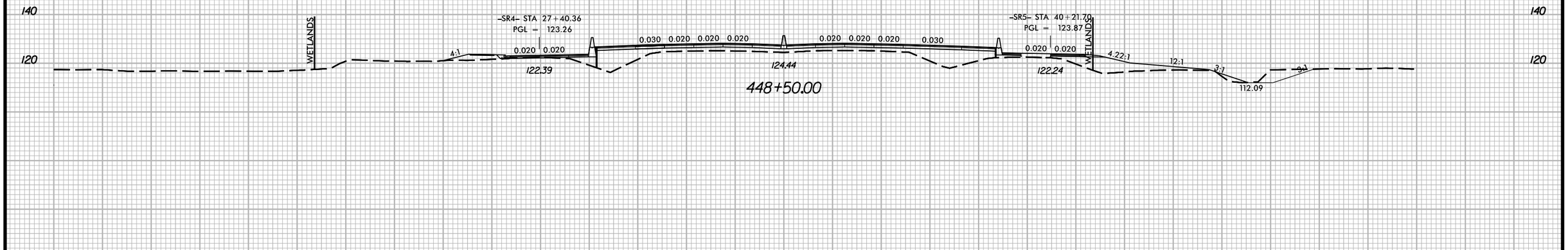
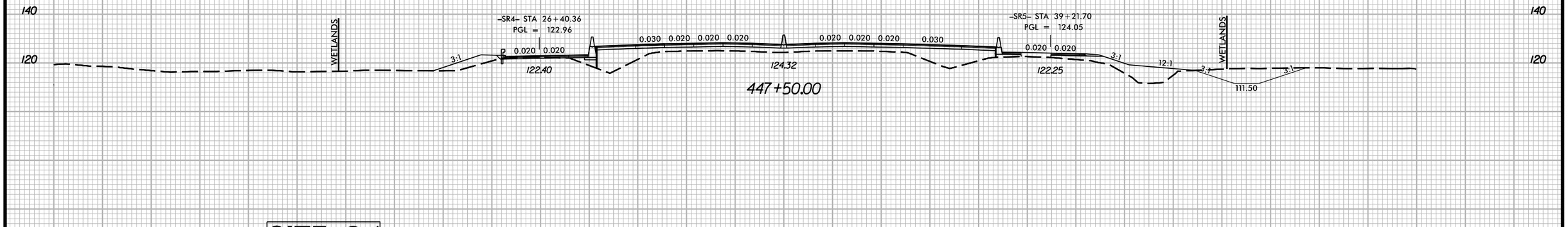
PERMIT DRAWING
SHEET 32 OF 38

SITE 25



SITE 24



300 280 260 240 220 200 180 160 140 120 100 80 60 40 20 0 20 40 60 80 100 120 140 160 180 200 220 240 260 280 300

9/2/2022
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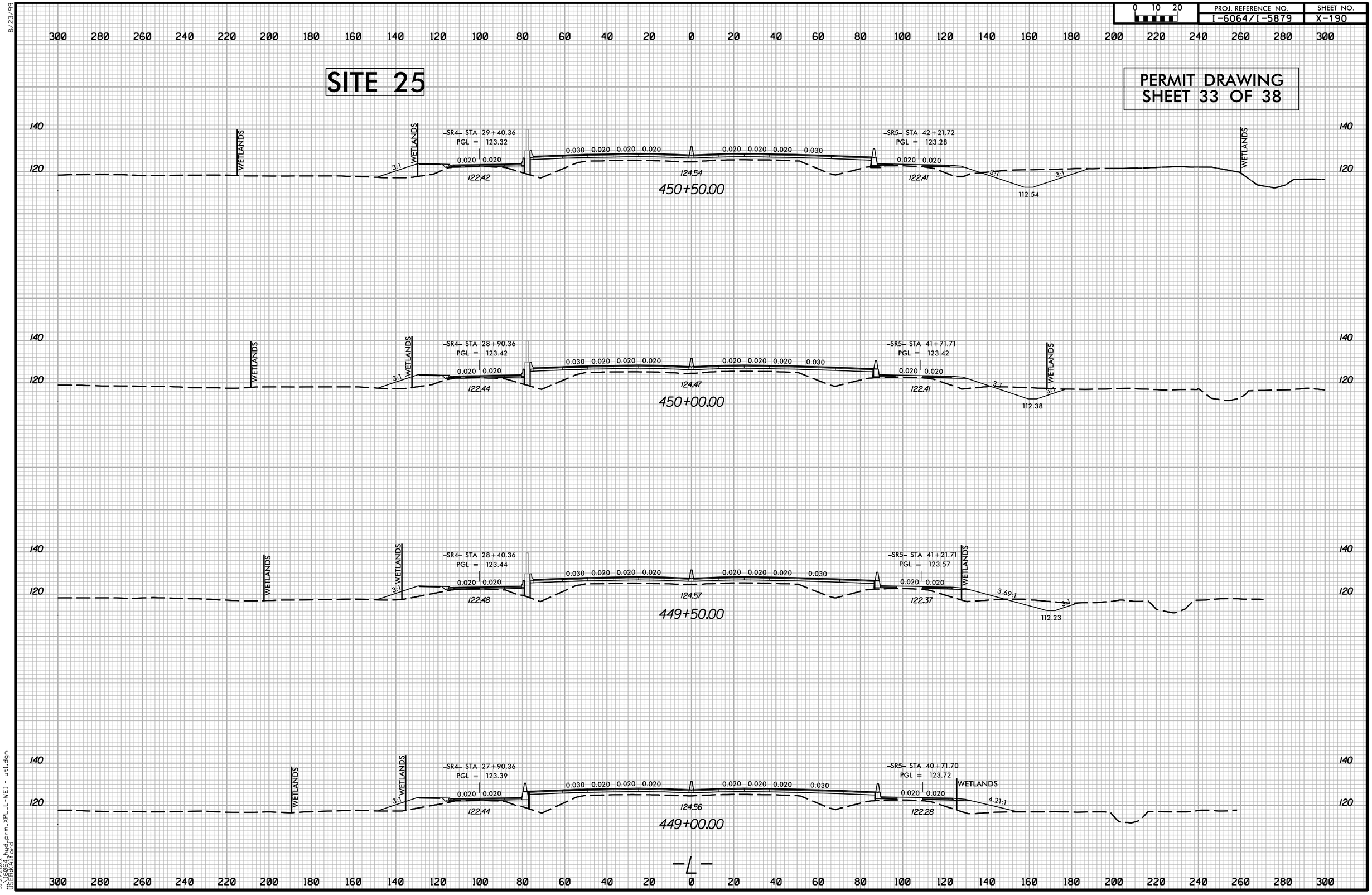
USER:KAITford

8/23/99

0 10 20	PROJ. REFERENCE NO.	SHEET NO.
	I-6064/I-5879	X-190

SITE 25

PERMIT DRAWING
SHEET 33 OF 38



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USER:KAITford

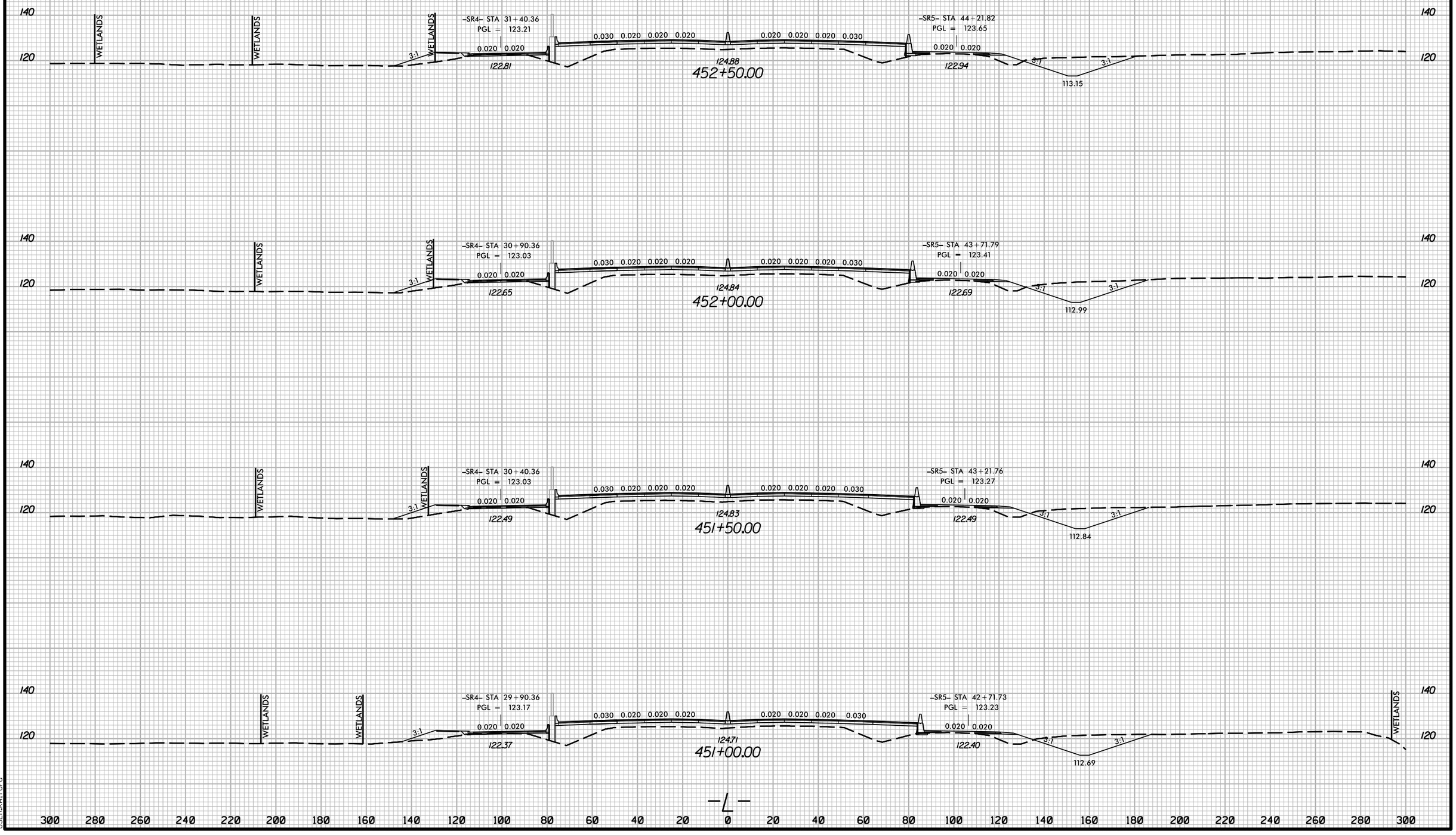
8/23/99

0 10 20	PROJ. REFERENCE NO.	SHEET NO.
	I-6064/I-5879	X-191

SITE 25

PERMIT DRAWING
SHEET 34 OF 38

300 280 260 240 220 200 180 160 140 120 100 80 60 40 20 0 20 40 60 80 100 120 140 160 180 200 220 240 260 280 300



9/2/2022
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8/17/99

FLATIRON UNITED INFRASTRUCTURE GROUP

WETHERILL ENGINEERING

Wetherill Engineering, Inc.
1223 Jones Franklin Road
Raleigh, North Carolina 27606
Phone: 919-851-8077
License #: F-0377

PROJECT REFERENCE NO.	SHEET NO.
I-6064/I-5879	29
R/W SHEET NO.	
ROADWAY DESIGN ENGINEER	HYDRAULICS ENGINEER

DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED

PERMIT DRAWING SHEET 35 OF 38

HC HC HAND CLEARING (NON-GRUBBING)

100' 0' 100'
GRAPHIC SCALE

NAD 83

MATCHLINE -L- STA. 454+00.00 (SEE SHEET 28)

MATCHLINE -L- STA. 467+00.00 (SEE SHEET 30)

SITE 25

405 FRENCH FAMILY PROPERTIES

406 FRENCH FAMILY PROPERTIES

273B CITY OF LUMBERTON

277 YUK HAN LIU

272 SOUTHERN NATIONAL BANK

278 KENT BALDWIN

279 STEVEN BRANCH

SR4 DAWN DR

SR5 KAHN DR

WELLINGTON DR (CITY OF LUMBERTON)

HAND CLEARING (NON-GRUBBING)

SPECIAL CUT DITCH SEE DETAIL F

NOTE: ELIMINATE CUT DITCH FROM 53+00 TO 53+80

FILL EXISTING DITCH

SPECIAL LATERAL 'BASE' DITCH SEE DETAIL AI

CL I RIP RAP EST. 26 TON EST. 50 SY GT

SPECIAL CUT BASE DITCH SEE DETAIL AB

FOR -SR4- PROFILE SEE SHTS.74 THRU 75
FOR -L- PROFILE SEE SHTS.52 THRU 53	FOR -SR5- PROFILE SEE SHTS.77 THRU 78

$DATE$ $TIME$
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KAlford

FLATIRON UNITED INFRASTRUCTURE GROUP

WETHERILL ENGINEERING

Wetherill Engineering, Inc.
1223 Jones Franklin Road
Raleigh, North Carolina 27606
Phone: 919-851-8077
License #: F-0377

PROJECT REFERENCE NO.	SHEET NO.
I-6064/I-5879	29
R/W SHEET NO.	
ROADWAY DESIGN ENGINEER	HYDRAULICS ENGINEER

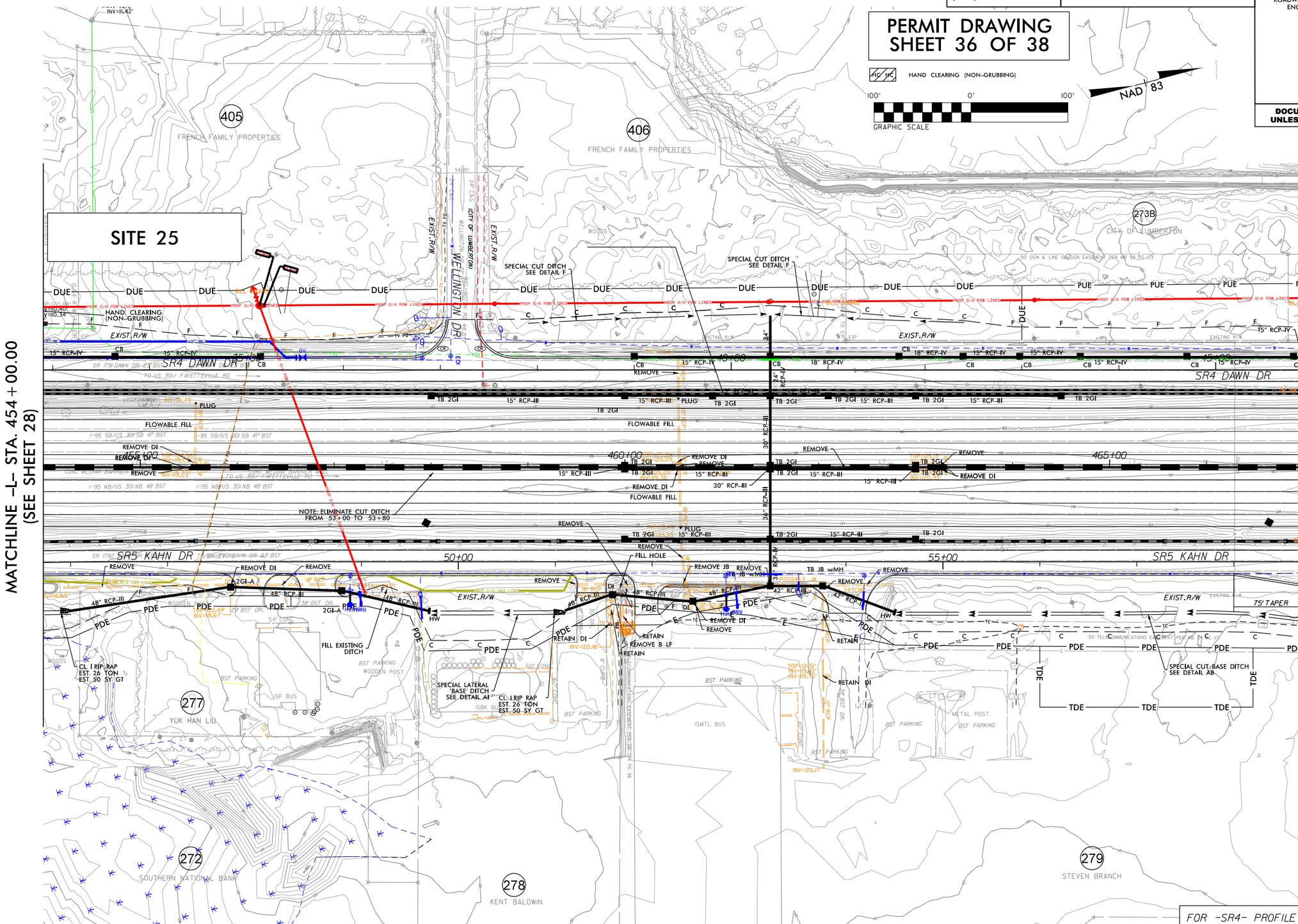
DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED

PERMIT DRAWING SHEET 36 OF 38

HC HC HAND CLEARING (NON-GRUBBING)

100' 0' 100'
GRAPHIC SCALE

NAD 83



	FOR -SR4- PROFILE SEE SHTS.74 THRU 75
FOR -L- PROFILE SEE SHTS.52 THRU 53	FOR -SR5- PROFILE SEE SHTS.77 THRU 78

8/17/99

$DATE$ $TIME$
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KAlford

8/23/99

PROJ. REFERENCE NO.	SHEET NO.
I-6064/I-5879	X-192

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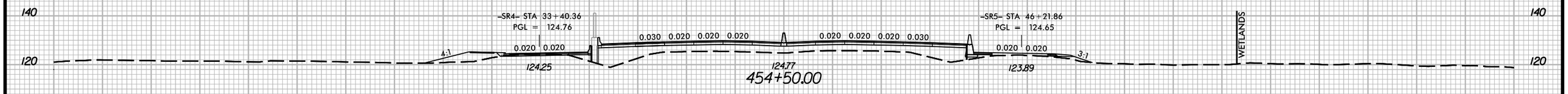
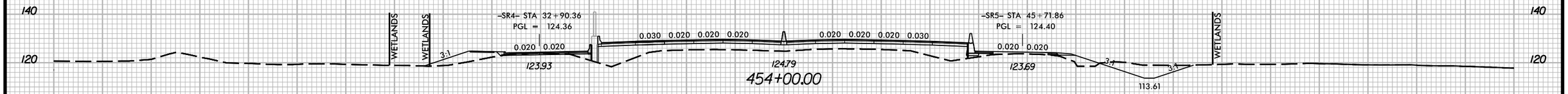
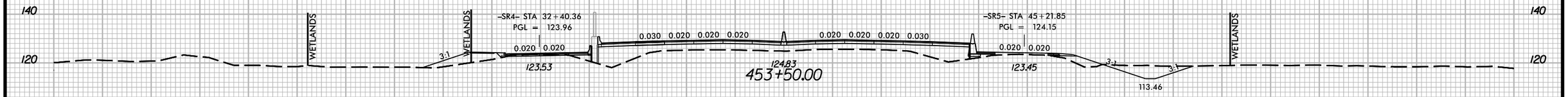
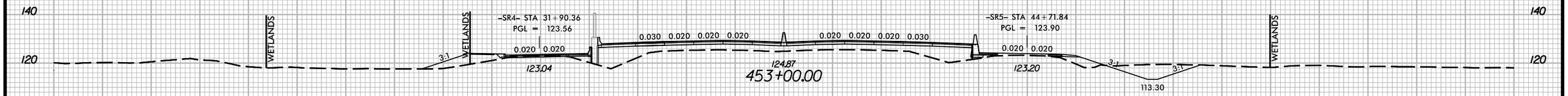
SITE 25

PERMIT DRAWING
SHEET 37 OF 38









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9/2/2022
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USER:KAITford

WETLAND AND SURACE WATER IMPACTS SUMMARY

			WETLAND IMPACTS					SURFACE WATER IMPACTS				
Site No.	Station (From/To)	Structure Size / Type	Permanent Fill In Wetlands (ac) (See Notes)	Temp. Fill In Wetlands (ac)	Excavation in Wetlands (ac)	Mechanized Clearing in Wetlands (ac)	Hand Clearing in Wetlands (ac)	Permanent SW impacts (ac)	Temp. SW impacts (ac)	Existing Channel Impacts Permanent (ft)	Existing Channel Impacts Temp. (ft)	Natural Stream Design (ft)
8	-L- 268+00 Lt	Utility (Power)	< 0.01				0.28					
10	-L- 277+72 to 302+68 Lt	Utility (Power)	< 0.01				0.56					
19	-L- 352+70 Rt	Utility (Power)	< 0.01				0.09					
21	-Y4RPC- 14+00 Rt	Utility (Power)	< 0.01				0.07					
22	-Y4- 19+70 Lt	Utility (Power)	< 0.01				0.01					
29	-L- 442+35 Lt	Utility (Power)	< 0.01				0.18					
24	-L- 443+85 to 447+62 Lt	Utility (Power)					0.04					
25	-L- 451+00 Lt	Utility (Power)	< 0.01				0.32					
TOTALS*:			< 0.01				1.55			0	0	0

*Rounded totals are sum of actual impacts

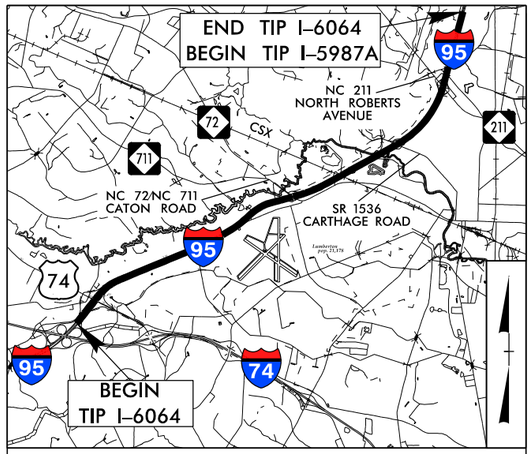
NOTES:
Permanent Fill In Wetlands is due to Power Pole and Guy Wire Anchors Placed in the Wetlands.

NC DEPARTMENT OF TRANSPORTATION
DIVISION OF HIGHWAYS
10/18/2022
Robeson County
I-6064/I-5879
49067.1.2, 49067.1.3 & 53079.2.1
SHEET 38 OF 38

09/08/99

TIP PROJECT: I-6064/I-5879

CONTRACT: C204596



VICINITY MAP
(Not to Scale)

STATE OF NORTH CAROLINA
DIVISION OF HIGHWAYS

ROBESON COUNTY

STATE	STATE PROJECT REFERENCE NO.	SHEET NO.	TOTAL SHEETS
N.C.	I-6064/I-5879	3	

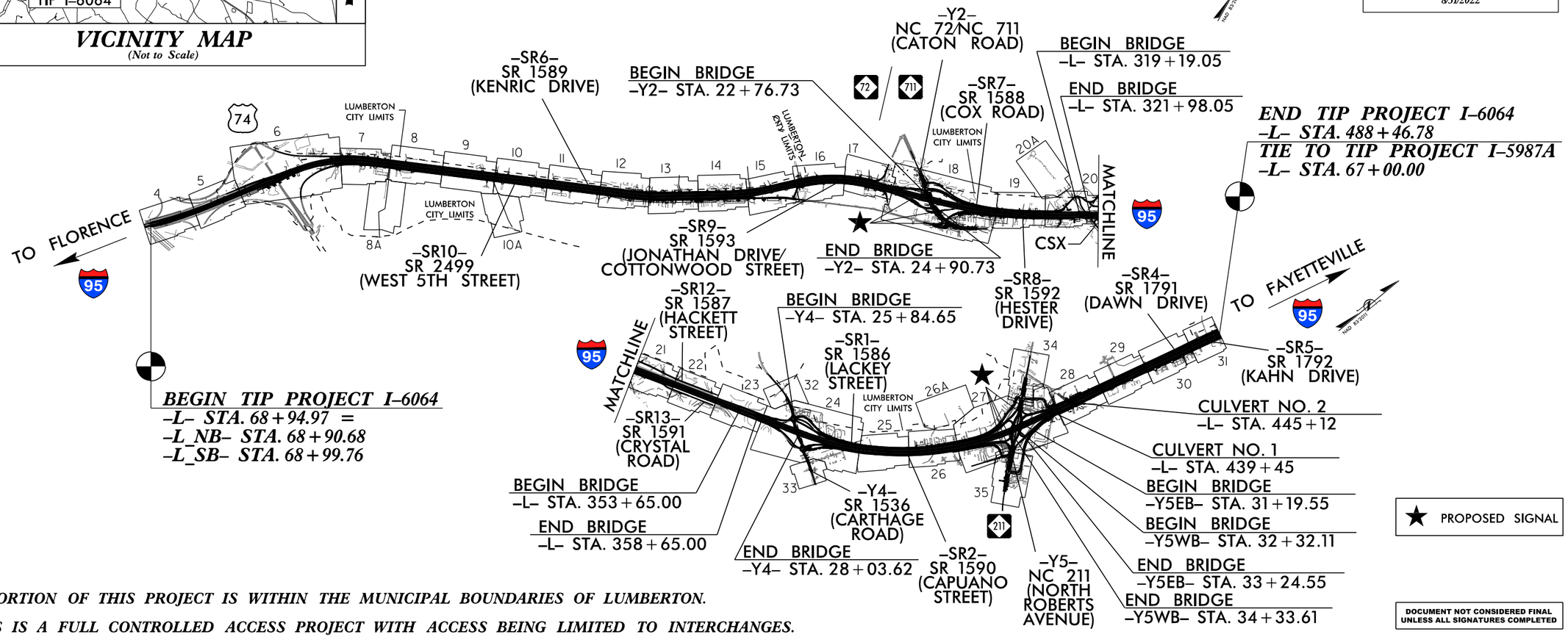
STATE PROJ. NO.	F. A. PROJ. NO.	DESCRIPTION
49067.1.2, 49067.1.3, & 53079.2.1		PE
49067.2.5, 49067.2.6, & 53079.2.1		ROW
49067.2.5, & 49067.2.6		UTIL.
49067.3.1, 49067.3.2, & 49067.3.3		CONST.



SUBMITTAL NO. D-63
FINAL PLANS
8/31/2022

LOCATION: *I-95 WIDENING AND PAVEMENT REHABILITATION FROM I-74 (EXIT 13) TO SOUTH OF US 301 (EXIT 22) AND I-95/SR 1536 INTERCHANGE IMPROVEMENTS*

TYPE OF WORK: *GRADING, PAVING, DRAINAGE, CULVERTS, STRUCTURES PAVEMENT MARKINGS, SIGNING, SIGNALS, ITS, NOISE WALLS, AND RETAINING WALLS*



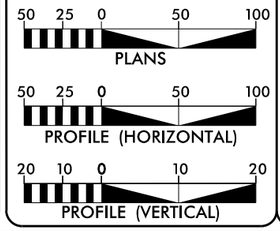
★ PROPOSED SIGNAL

A PORTION OF THIS PROJECT IS WITHIN THE MUNICIPAL BOUNDARIES OF LUMBERTON.

THIS IS A FULL CONTROLLED ACCESS PROJECT WITH ACCESS BEING LIMITED TO INTERCHANGES.

DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED

GRAPHIC SCALES



DESIGN DATA

ADT 2021 = 71,800
ADT 2041 = 107,800
K = 6.5%
D = 60 %
T = 14% *
V = 75 MPH
* TTST = 11% DUAL = 3%
FUNC CLASS =
INTERSTATE
STATEWIDE TIER

PROJECT LENGTH

LENGTH ROADWAY TIP PROJECT I-6064	=	7.783 MILES
LENGTH STRUCTURE TIP PROJECT I-6064	=	0.162 MILES
TOTAL LENGTH TIP PROJECT I-6064	=	7.945 MILES

Prepared in the Office of:
FLATIRON UNITED INFRASTRUCTURE GROUP
ICE of Carolinas, PLLC
ICE of Carolinas, PLLC
4505 Falls of Neuse Road, Suite 110
Raleigh, North Carolina 27609
Phone: 803-622-0333
License #: P-0999

Prepared for:
NCDOT
DIVISION OF HIGHWAYS
1000 Birch Ridge Dr., Raleigh NC 27610

2018 STANDARD SPECIFICATIONS

RIGHT OF WAY DATE:
9/21/2021

LETTING DATE:
9/21/2021

BRIAN LUSK, PE
PROJECT ENGINEER

DAN DUFFIELD, PE
NCDOT CONTACT

HYDRAULICS ENGINEER

SIGNATURE: *P.E.*

ROADWAY DESIGN ENGINEER

SIGNATURE: *P.E.*

STATE OF NORTH CAROLINA · DEPARTMENT OF TRANSPORTATION ·

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sarah.ohmann

9/10/2021

PROJECT REFERENCE NO.	SHEET NO.
I-6064/I-5879	IB

STATE OF NORTH CAROLINA, DIVISION OF HIGHWAYS

CONVENTIONAL PLAN SHEET SYMBOLS

Note: Not to Scale

BOUNDARIES AND PROPERTY:

State Line
County Line
Township Line
City Line
Reservation Line
Property Line
Existing Iron Pin (EIP) — EIP
Computed Property Corner
Existing Concrete Monument (ECM) — ECM
Parcel/Sequence Number — 123
Existing Fence Line
Proposed Woven Wire Fence
Proposed Chain Link Fence
Proposed Barbed Wire Fence
Existing Wetland Boundary — WLB
Proposed Wetland Boundary — WLB
Existing Endangered Animal Boundary — EAB
Existing Endangered Plant Boundary — EPB
Existing Historic Property Boundary — HPB
Known Contamination Area: Soil — S
Potential Contamination Area: Soil — S
Known Contamination Area: Water — W
Potential Contamination Area: Water — W
Contaminated Site: Known or Potential — ?

BUILDINGS AND OTHER CULTURE:

Gas Pump Vent or U/G Tank Cap
Sign — S
Well — W
Small Mine
Foundation
Area Outline
Cemetery — †
Building
School
Church
Dam

HYDROLOGY:

Stream or Body of Water
Hydro, Pool or Reservoir
Jurisdictional Stream — JS
Buffer Zone 1 — BZ 1
Buffer Zone 2 — BZ 2
Flow Arrow
Disappearing Stream
Spring
Wetland
Proposed Lateral, Tail, Head Ditch — FLOW
False Sump

RAILROADS:

Standard Gauge — CSX TRANSPORTATION
RR Signal Milepost — MILEPOST 35
Switch — SWITCH
RR Abandoned
RR Dismantled

RIGHT OF WAY & PROJECT CONTROL:

Primary Horiz Control Point
Primary Horiz and Vert Control Point
Secondary Horiz and Vert Control Point
Vertical Benchmark
Existing Right of Way Monument
Proposed Right of Way Monument (Rebar and Cap)
Proposed Right of Way Monument (Concrete)
Existing Permanent Easement Monument
Proposed Permanent Easement Monument (Rebar and Cap)
Existing C/A Monument
Proposed C/A Monument (Rebar and Cap)
Proposed C/A Monument (Concrete)
Existing Right of Way Line
Proposed Right of Way Line — RW
Existing Control of Access Line — CA
Proposed Control of Access Line — CA
Proposed ROW and CA Line — RW CA
Existing Easement Line — E
Proposed Temporary Construction Easement — E
Proposed Temporary Drainage Easement — TDE
Proposed Permanent Drainage Easement — PDE
Proposed Permanent Drainage/Utility Easement — DUE
Proposed Permanent Utility Easement — PUE
Proposed Temporary Utility Easement — TUE
Proposed Aerial Utility Easement — AUE

ROADS AND RELATED FEATURES:

Existing Edge of Pavement
Existing Curb
Proposed Slope Stakes Cut — C
Proposed Slope Stakes Fill — F
Proposed Curb Ramp — CR
Existing Metal Guardrail
Proposed Guardrail
Existing Cable Guiderail
Proposed Cable Guiderail
Equality Symbol
Pavement Removal

VEGETATION:

Single Tree
Single Shrub
Hedge

Woods Line
Orchard
Vineyard — Vineyard

EXISTING STRUCTURES:

MAJOR:
Bridge, Tunnel or Box Culvert — CONC
Bridge Wing Wall, Head Wall and End Wall — CONC WW
MINOR:
Head and End Wall — CONC HW
Pipe Culvert
Footbridge
Drainage Box: Catch Basin, DI or JB — CB
Paved Ditch Gutter
Storm Sewer Manhole — S
Storm Sewer — S

UTILITIES:

** SUE – Subsurface Utility Engineering*
LOS – Level of Service – A,B,C or D (Accuracy)

POWER:
Existing Power Pole
Proposed Power Pole
Existing Joint Use Pole
Proposed Joint Use Pole
Power Manhole — P
Power Line Tower
Power Transformer
U/G Power Cable Hand Hole — HH
H–Frame Pole
U/G Power Line Test Hole (SUE – LOS A)*
U/G Power Line (SUE – LOS B)* — P
U/G Power Line (SUE – LOS C)* — P
U/G Power Line (SUE – LOS D)* — P

TELEPHONE:
Existing Telephone Pole
Proposed Telephone Pole
Telephone Manhole — T
Telephone Pedestal — T
Telephone Cell Tower
U/G Telephone Cable Hand Hole — HH
U/G Telephone Test Hole (SUE – LOS A)*
U/G Telephone Cable (SUE – LOS B)* — T
U/G Telephone Cable (SUE – LOS C)* — T
U/G Telephone Cable (SUE – LOS D)* — T
U/G Telephone Conduit (SUE – LOS B)* — TC
U/G Telephone Conduit (SUE – LOS C)* — TC
U/G Telephone Conduit (SUE – LOS D)* — TC
U/G Fiber Optics Cable (SUE – LOS B)* — T FO
U/G Fiber Optics Cable (SUE – LOS C)* — T FO
U/G Fiber Optics Cable (SUE – LOS D)* — T FO

WATER:
Water Manhole — W
Water Meter
Water Valve
Water Hydrant
U/G Water Line Test Hole (SUE – LOS A)*
U/G Water Line (SUE – LOS B)* — W
U/G Water Line (SUE – LOS C)* — W
U/G Water Line (SUE – LOS D)* — W
Above Ground Water Line — A/G Water

TV:
TV Pedestal — C
TV Tower
U/G TV Cable Hand Hole — HH
U/G TV Test Hole (SUE – LOS A)*
U/G TV Cable (SUE – LOS B)* — TV
U/G TV Cable (SUE – LOS C)* — TV
U/G TV Cable (SUE – LOS D)* — TV
U/G Fiber Optic Cable (SUE – LOS B)* — TV FO
U/G Fiber Optic Cable (SUE – LOS C)* — TV FO
U/G Fiber Optic Cable (SUE – LOS D)* — TV FO

GAS:
Gas Valve
Gas Meter
U/G Gas Line Test Hole (SUE – LOS A)*
U/G Gas Line (SUE – LOS B)* — G
U/G Gas Line (SUE – LOS C)* — G
U/G Gas Line (SUE – LOS D)* — G
Above Ground Gas Line — A/G Gas

SANITARY SEWER:
Sanitary Sewer Manhole
Sanitary Sewer Cleanout
U/G Sanitary Sewer Line — SS
Above Ground Sanitary Sewer — A/G Sanitary Sewer
SS Force Main Line Test Hole (SUE – LOS A)*
SS Force Main Line (SUE – LOS B)* — FSS
SS Force Main Line (SUE – LOS C)* — FSS
SS Force Main Line (SUE – LOS D)* — FSS

MISCELLANEOUS:
Utility Pole
Utility Pole with Base
Utility Located Object
Utility Traffic Signal Box — S
Utility Unknown U/G Line (SUE – LOS B)* — ?UTL
U/G Tank; Water, Gas, Oil
Underground Storage Tank, Approx. Loc. — UST
A/G Tank; Water, Gas, Oil
Geoenvironmental Boring
Abandoned According to Utility Records — AATUR
End of Information — E.O.I.

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PROJECT REFERENCE NO. I-6064/I-5879
SHEET NO. 3P-1
R/W SHEET NO.

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PROJECT REFERENCE NO.	SHEET NO.
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PROJECT REFERENCE NO.	SHEET NO.
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R/W SHEET NO.	
ROADWAY DESIGN ENGINEER	HYDRAULICS ENGINEER

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BEGIN TIP PROJECT I-6064/I-5879
-L- POC STA. 68+94.97

NAD 83/2011

THE CONTRACTOR HAS THE OPTION TO INSTALL ALL WELDED STEEL PIPES BY EITHER STANDARD OR TRENCHLESS METHODS

WOODS

BEGIN CONSTRUCTION -L_SB- STA. 68+99.76

BEGIN CONSTRUCTION -L_NB- STA. 68+90.68

0401 0402 0403 0404 0405 0406 0407 0408 0409 0410 0411 0412 0413 0414 0415 0416 0417 0418

RETAIN

840' LANE DROP

70+00 75+00 80+00

12' PS 4' PS 14' PS

PROP. DOUBLE FACE CABLE GUIDERAIL

PROP. GUARDRAIL

GREU TL-3

CAT-1

REMOVE 2GI

REMOVE 18" RCP

CL B RIP RAP
EST. 3 TONS
EST. 10 SY GF

CLEANOUT 372 LF EXIST PIPE

WLB

MATCHLINE -L- STA. 81+00.00
(SEE SHEET 5)

FOR -L_SB- PROFILE SEE SHT.36

FOR -L_NB- PROFILE SEE SHT.36

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PROJECT REFERENCE NO.	SHEET NO.
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ROADWAY DESIGN ENGINEER	HYDRAULICS ENGINEER

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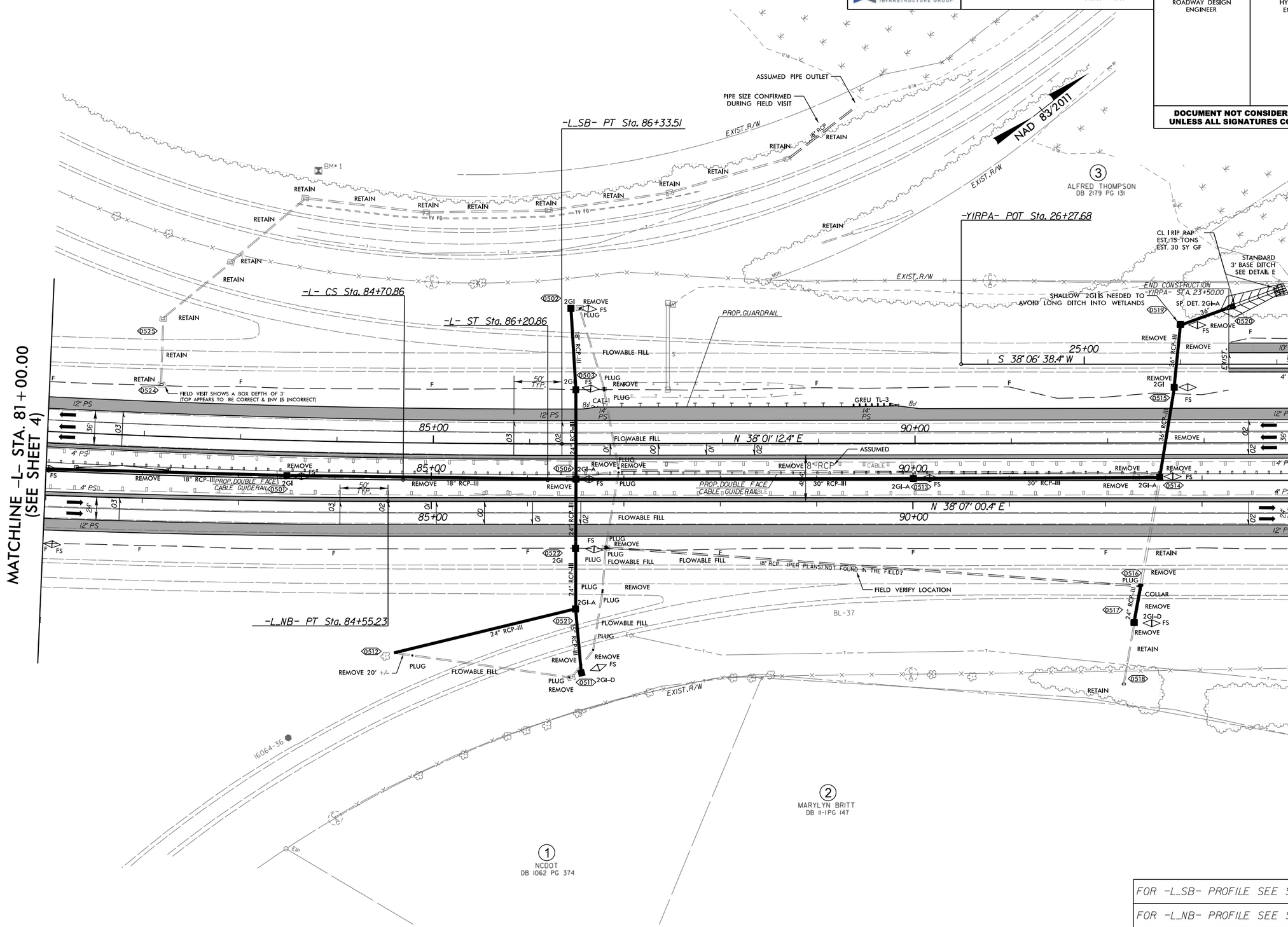

FOR -L_SB- PROFILE SEE SHT.37

FOR -L_NB- PROFILE SEE SHT.37

FOR -YIRPA- PROFILE SEE SHT.54

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R/W SHEET NO.	
ROADWAY DESIGN ENGINEER	HYDRAULICS ENGINEER

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MATCHLINE -L- STA. 94+00.00 (SEE SHEET 5)

MATCHLINE -L- STA. 122+00.00 (SEE SHEET 7)

-SR6- PC Sta. 10+93.76

-SR6- POT Sta. 10+00.00

N 82°35'40" E

-SR6- PT Sta. 17+80.42

-SR6- PC Sta. 25+68.82

-SR6- PT Sta. 27+49.76

N 66°19'42" E

-L- SB- PT Sta. 112+00.88 = -L- POS Sta. 112+00.88, 25' LT

-L- SB- PC Sta. 104+34.18

-YIRPA- SRS Sta. 15+49.52

-YIRPA- CS Sta. 14+09.52

-YIRPA- SC Sta. 12+10.00

-YIRPA- CS Sta. 13+90.34

-YIRPA- SC Sta. 16+89.52

-YIRPA- ST Sta. 21+30.34

-YIRPA- ST Sta. 10+00.00 = -L- POT Sta. 106+75.65, 24' LT

-YIRPD- PC Sta. 10+00.00 = -L- POS Sta. 109+81.03, 49' RT

-L- TS Sta. 107+81.40

-L- SC Sta. 110+81.40

-YIRPD- SRS Sta. 14+18.83

-YIRPD- CS Sta. 12+08.83

-YIRPD- SC Sta. 15+58.83

-YIRPD- ST Sta. 19+29.09

-YIRPD- CS Sta. 17+89.09

-YIRPD- POT Sta. 21+26.19

-L NB- POT Sta. 96+25.00 = -L- POT Sta. 96+25.00, 22.16' RT

-SRIO- PCC Sta. 15+98.49

PC Sta. 10+91.16

SRIO WEST 5TH ST.

S 18° 06' 18.7" E

S 18° 09' 04.3" W

1.5% SCP-16

1.5% SCP-18

1.5% SCP-30

1.5% SCP-36

1.5% SCP-42

1.5% SCP-48

1.5% SCP-54

1.5% SCP-60

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1.5% SCP-78

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1.5% SCP-102

1.5% SCP-108

1.5% SCP-114

1.5% SCP-120

1.5% SCP-126

1.5% SCP-132

1.5% SCP-138

1.5% SCP-144

1.5%

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MATCHLINE -L- STA. 122+00.00 (SEE SHEET 6)

MATCHLINE -L- STA. 135+00.00 (SEE SHEET 8)

MATCHLINE (SEE SHEET 8A)

-SR6- PC Sta. 28+69.93

-SR6- PT Sta. 36+34.96

-SR6- PC Sta. 38+74.75

-SR10- PCC Sta. 25+78.10

-SR10- PT Sta. 33+67.38

-L- CS Sta. 127+72.34

-L- ST Sta. 130+72.34

SR6 KENRIC DR.

SR10 WEST 5TH. ST.

15 RICHARD KACZAR DB 1995 PG 63

16 RICHARD KACZAR DB 1995 PG 63

17 BILLY SMALL DB 415 PG 380

18 THE BOARD OF EDUCATION FOR THE PUBLIC SCHOOLS OF ROBESON COUNTY DB 832 PG 480

19 ROBESON COUNTY DB 497 PG 76 EXCEPTION DB 832 PG 480

10 MGN RENTALS, LLC DB 1922 PG 399 MB 48 PG 141

11 ACME ELECTRIC, LLC DB 870 PG 587

12 SOUTHERN BELL TELEPHONE & TELEGRAPH CO. DB 525 PG 334

13 CITY OF LUMBERTON DB 1149 PG 736

14 BHDNC,LLC DB 1855 PG 678 MB 21PG 114

NORTHBOUND R/W LABELED OFF -SR10- UNLESS NOTED OTHERWISE.				
SOUTHBOUND R/W LABELED OFF -SR6- UNLESS NOTED OTHERWISE.	FOR -L- PROFILE SEE SHT.40	FOR -SR6- PROFILE SEE SHT.80	FOR -SR10- PROFILE SEE SHT.90	

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PROJECT REFERENCE NO.	SHEET NO.
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R/W SHEET NO.	
ROADWAY DESIGN ENGINEER	HYDRAULICS ENGINEER

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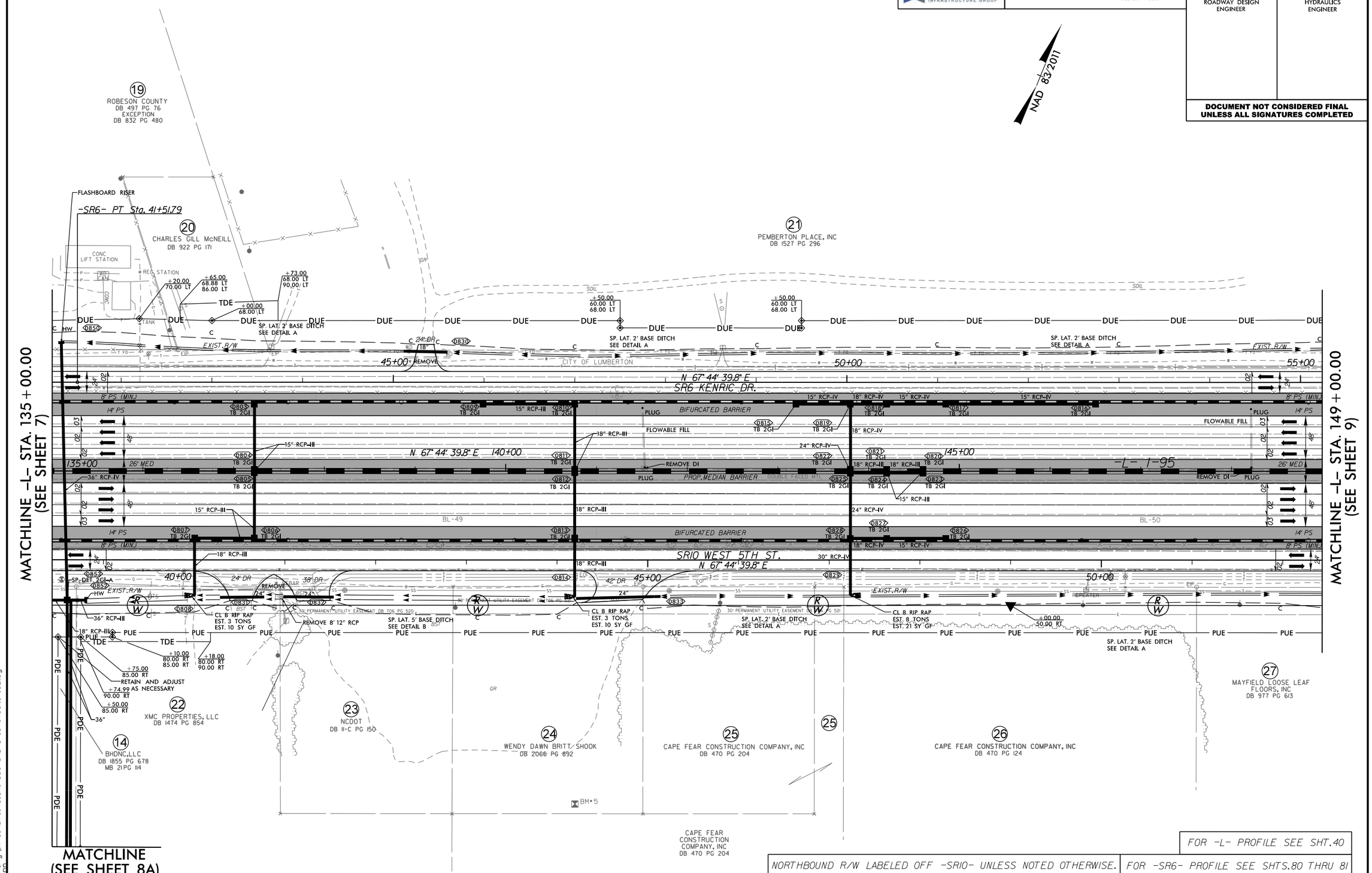

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SOUTHBOUND R/W LABELED OFF -SR6- UNLESS NOTED OTHERWISE.	FOR -SR10- PROFILE SEE SHTS.90 THRU 91

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PROJECT REFERENCE NO.	SHEET NO.
I-6064/I-5879	8A
RW SHEET NO.	
ROADWAY DESIGN ENGINEER	HYDRAULICS ENGINEER

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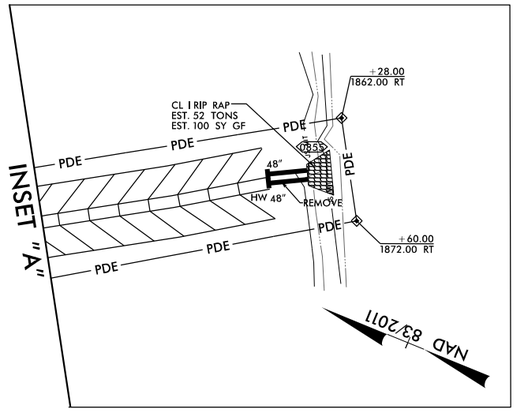

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MATCHLINE (SEE SHEETS 7 AND 8)

22
XMC PROPERTIES, LLC
DB 1474 PG 854

2GI

+74.52
317.90 RT

+48.71
320.82 RT

RETAIN EX. DITCH AND ADJUST AS NECESSARY

D85A
CL I RIP RAP
EST. 30 TONS
EST. 60 SY GF

+73.00
1095.00 RT

+45.00
1030.00 RT

+74.11
1069.699 RT

+72.62
1076.19 RT

CLASS B RIP RAP
EST. 30 TONS
EST. 60 SY GF

+37.28
1133.37 RT

+20.00
1195.00 RT

STD. 8' BASE DITCH
SEE DETAIL E

+75.00
1375.00 RT

+10.00
1605.00 RT

SEE INSET "A"

14
BHDNC,LLC
DB 1855 PG 678
MB 21PG 114

PDE — 36" — 2GI

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ROADWAY DESIGN ENGINEER	HYDRAULICS ENGINEER

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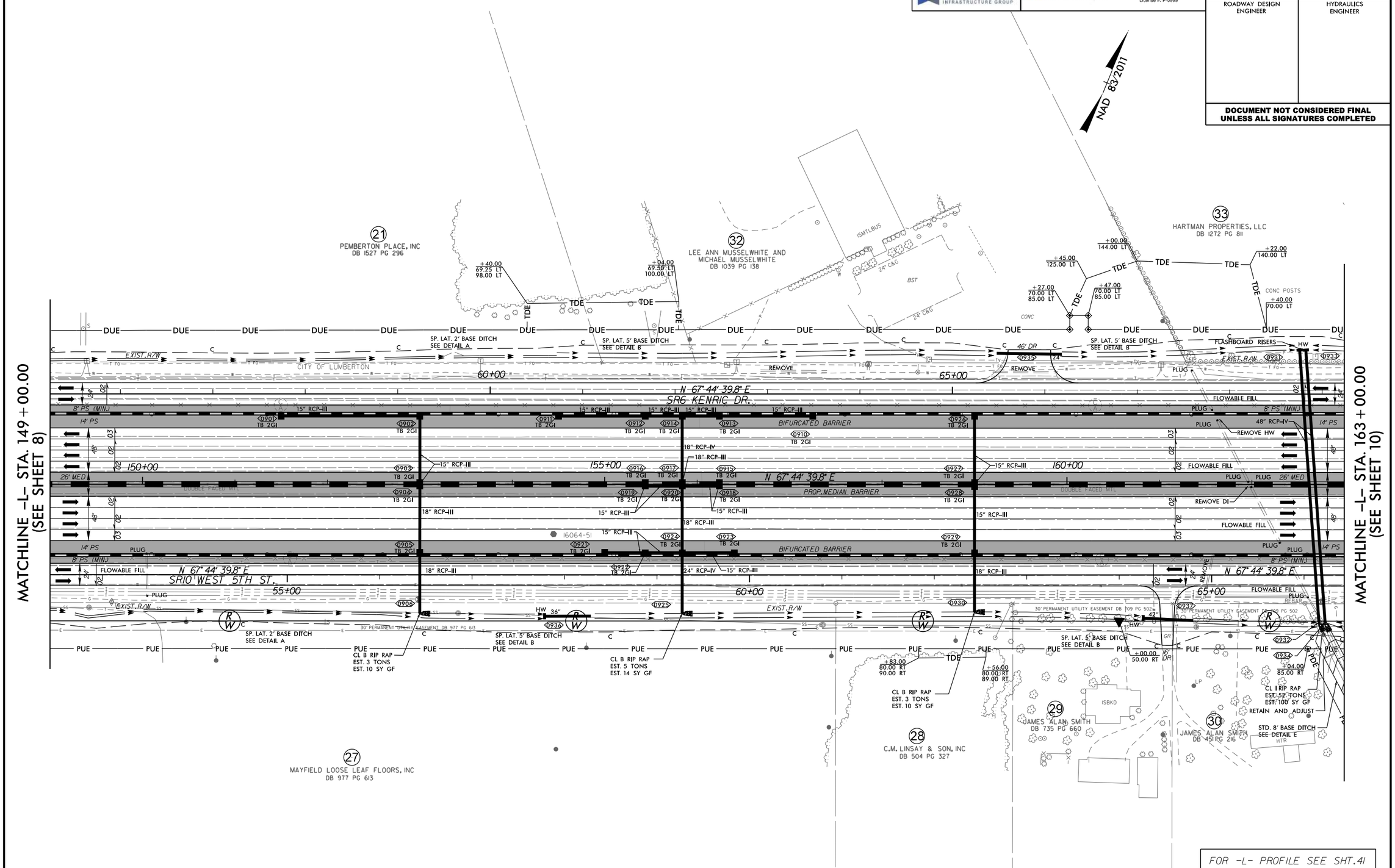

	FOR -L- PROFILE SEE SHT.41
NORTHBOUND R/W LABELED OFF -SR10- UNLESS NOTED OTHERWISE.	FOR -SR6- PROFILE SEE SHT.81
SOUTHBOUND R/W LABELED OFF -SR6- UNLESS NOTED OTHERWISE.	FOR -SR10- PROFILE SEE SHT.91

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sarah.ohmann

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FLATIRON UNITED INFRASTRUCTURE GROUP

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License #: P-0999

PROJECT REFERENCE NO.	SHEET NO.
I-6064/I-5879	10
R/W SHEET NO.	
ROADWAY DESIGN ENGINEER	HYDRAULICS ENGINEER

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NAD 83/2011

MATCHLINE -L- STA. 163+00.00 (SEE SHEET 9)

MATCHLINE -L- STA. 177+00.00 (SEE SHEET 11)

34 HARTMAN PROPERTIES, LLC DB 1431 PG 883

35 PAW DEVELOPERS, LLC DB 1211 PG 172 DB 1257 PG 281

33 HARTMAN PROPERTIES, LLC DB 1272 PG 811

36 HARTMAN PROPERTIES, LLC DB 1431 PG 883

38 LOUIS PERKINSON DB 1418 PG 455

CITY OF LUMBERTON

N 67° 44' 39.8" E SR6 KENRIC DR.

-L- I-95

N 67° 44' 39.8" E SR10 WEST 5TH ST.

BIFURCATED BARRIER

PROP. MEDIAN BARRIER

DOUBLE FACED MTL

EXIST. R/W

SP. LAT. 5' BASE DITCH SEE DETAIL B

SP. LAT. 2' BASE DITCH SEE DETAIL A

STD. 8' BASE DITCH SEE DETAIL E

CL B RIP RAP EST. 8 TONS EST. 21 SY GF

DO NOT DISTURB

30' PERMANENT UTILITY EASEMENT DB 710 PG 280-281

DUE PROCESS STABLE TRADING COMPANY, LLC DB 1921 PG 301

30 JAMES ALAN SMITH DB 451 PG 216

37 GRIFFIN RESOURCES, LLC DB 1651 PG 569

40

MATCHLINE (SEE SHEET 10A)

FOR -L- PROFILE SEE SHT. 41	
NORTHBOUND R/W LABELED OFF -SR10- UNLESS NOTED OTHERWISE.	FOR -SR6- PROFILE SEE SHTS. 81 THRU 82
SOUTHBOUND R/W LABELED OFF -SR6- UNLESS NOTED OTHERWISE.	FOR -SR10- PROFILE SEE SHTS. 91 THRU 92

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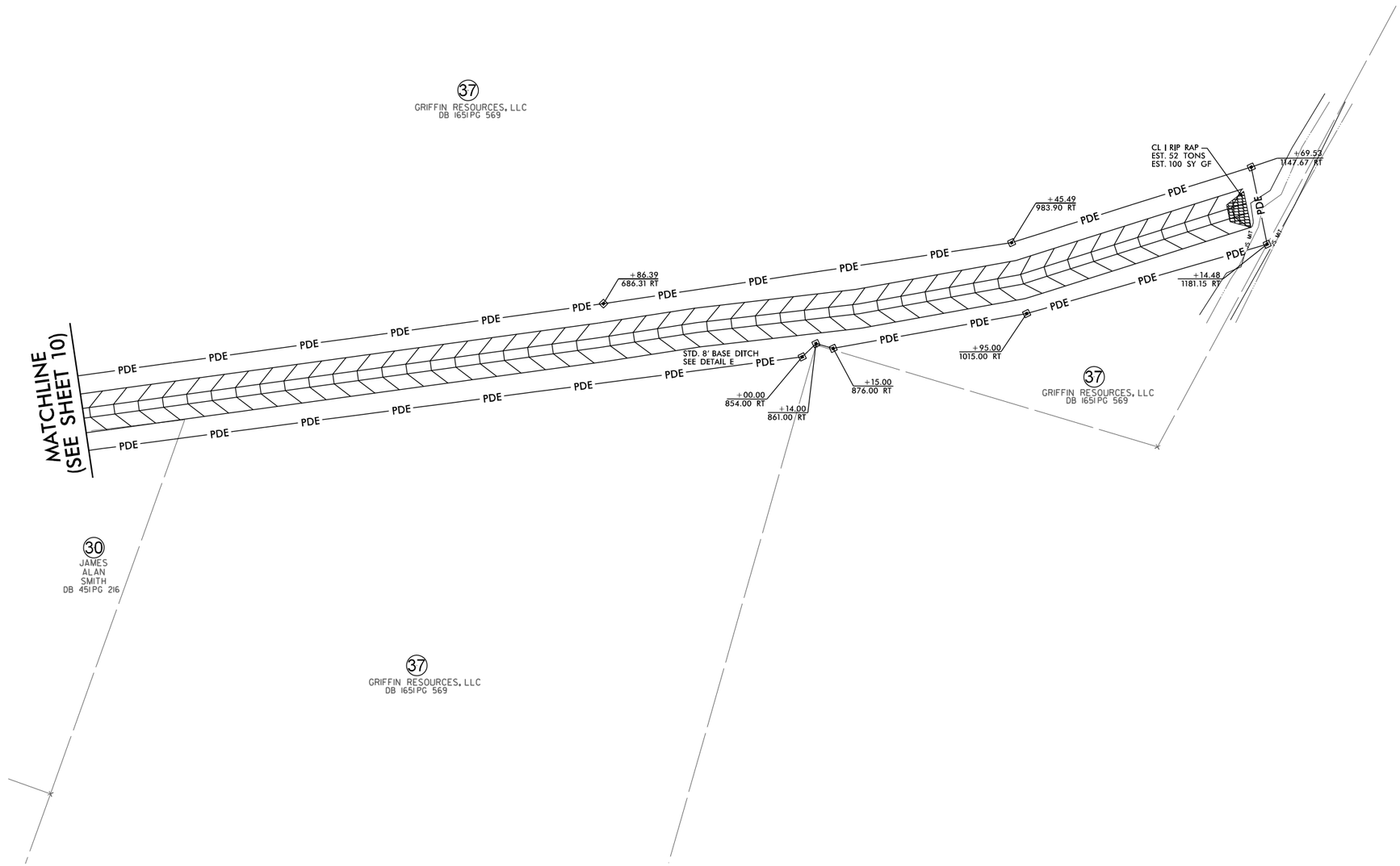
PROJECT REFERENCE NO.	SHEET NO.
I-6064/I-5879	10A
R/W SHEET NO.	
ROADWAY DESIGN ENGINEER	HYDRAULICS ENGINEER

DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED

NAD 83/2011



R/W LABELED OFF -SRIO- UNLESS NOTED OTHERWISE.

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PROJECT REFERENCE NO.	SHEET NO.
I-6064/I-5879	11
R/W SHEET NO.	
ROADWAY DESIGN ENGINEER	HYDRAULICS ENGINEER

DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED

NAD 83/2011

MATCHLINE -L- STA. 177+00.00 (SEE SHEET 10)

MATCHLINE -L- STA. 191+00.00 (SEE SHEET 12)

38 LOUIS PERKINSON
DB 1418 PG 455

39 UNKNOWN OWNER

41 PAW DEVELOPERS, LLC
DB 1211 PG 172
DB 1257 PG 281

CITY OF LUMBERTON

EXIST.R/W

SOIL

CEMETERY HEADSTONES

+00.00 EXIST. R/W 70.00 LT

70.00 EXIST. R/W 70.00 LT 85.00 LT

+88.00 85.00 LT 95.00 LT

+08.00 85.00 LT 95.00 LT

+76.93 EXIST. R/W

CL B RIP RAP EST. 8 TONS EST. 21 SY GF

SP. LAT. 2' BASE DITCH SEE DETAIL A

SP. LAT. 5' BASE DITCH SEE DETAIL B

DUE

AUE

GRADE TO DRAIN

C16' DR

85+00

90+00

95+00

30" RCP-III

N 67° 44' 39.8" E
SR6 KENRIC DR.

8' PS (MIN)

14' PS

PLUG

15" RCP-III

BIFURCATED BARRIER

TB 2GI

24" RCP-III

180+00

185+00

190+00

FLOWABLE FILL

26' MED

REMOVE DI

PROP. MEDIAN BARRIER

DOUBLE FACED MTL

18" RCP-III

BL-54

BL-55

N 67° 44' 39.8" E
SR10 WEST 5TH ST.

24" RCP-V

REMOVE

24' DR 15"

38' DR

REBAR

REPEATER

PPES

PUE

PERMANENT UTILITY EASEMENT DB 643 PG 34

PERMANENT UTILITY EASEMENT PB 30 PG 06

SP. LAT. 2' BASE DITCH SEE DETAIL A

CL B RIP RAP EST. 5 TONS EST. 14 SY GF

24" C&G

BST

ISMTL BUS

40 DUE PROCESS STABLE TRADING COMPANY, LLC
DB 1921 PG 301

42 R.L. CURRIE FAMILY PROPERTIES, LLC
DB 1143 PG 276

+09.11 EXIST. R/W

+01.40 EXIST. R/W

SM-7

ISFD

44 CLEMENTINE THOMPSON-McCORMICK AND HAYWOOD McCORMICK
DB 1852 PG 317

	FOR -L- PROFILE SEE SHT.42
NORTHBOUND R/W LABELED OFF -SR10- UNLESS NOTED OTHERWISE.	FOR -SR6- PROFILE SEE SHT.82
SOUTHBOUND R/W LABELED OFF -SR6- UNLESS NOTED OTHERWISE.	FOR -SR10- PROFILE SEE SHT.92

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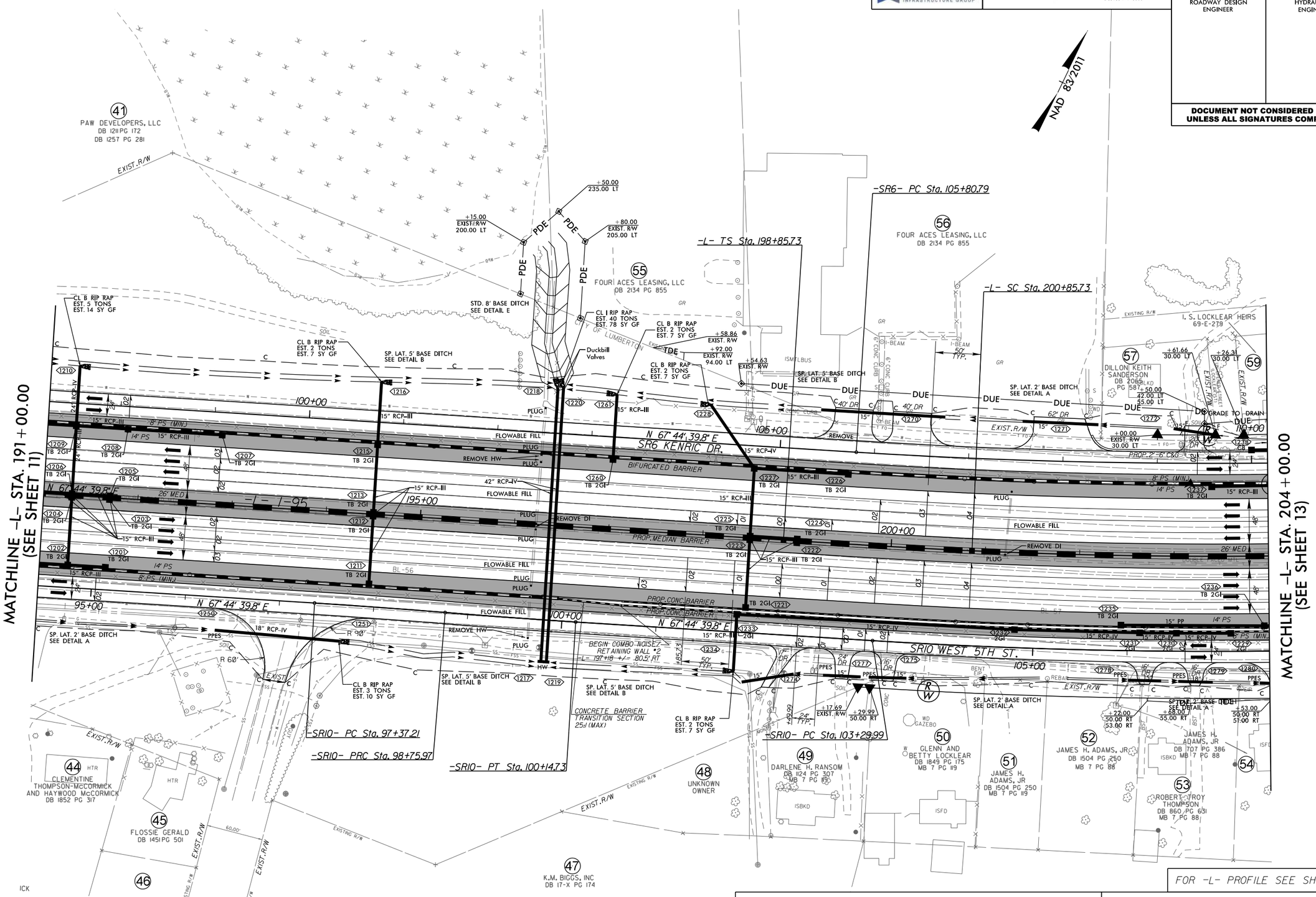
PROJECT REFERENCE NO.	SHEET NO.
I-6064/I-5879	12
R/W SHEET NO.	
ROADWAY DESIGN ENGINEER	HYDRAULICS ENGINEER

DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED



	FOR -L- PROFILE SEE SHT.42
NORTHBOUND R/W LABELED OFF -SR10- UNLESS NOTED OTHERWISE.	FOR -SR6- PROFILE SEE SHTS.82 THRU 83
SOUTHBOUND R/W LABELED OFF -SR6- UNLESS NOTED OTHERWISE.	FOR -SR10- PROFILE SEE SHTS.92 THRU 93

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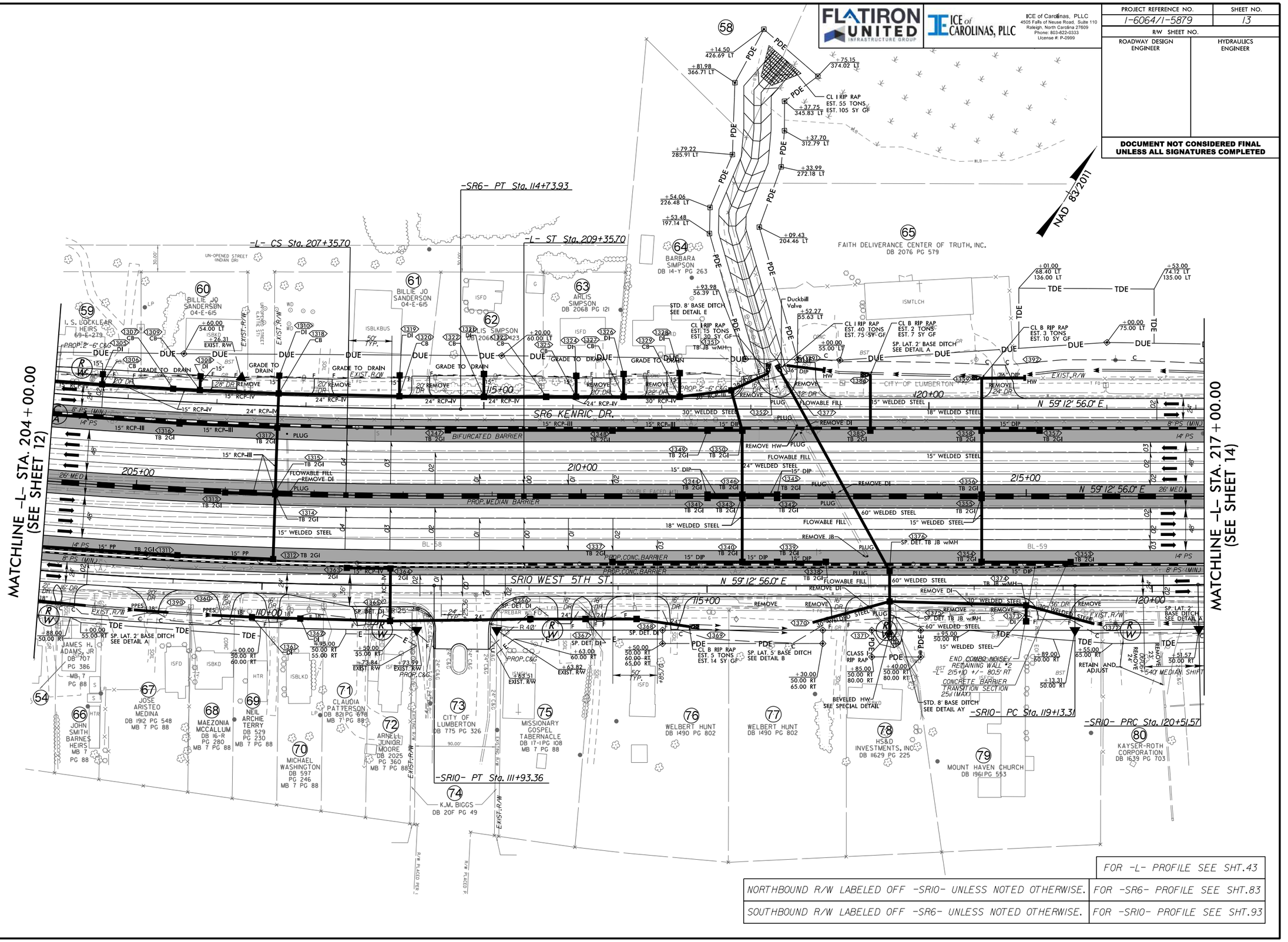
PROJECT REFERENCE NO.	SHEET NO.
I-6064/I-5879	13
RW SHEET NO.	
ROADWAY DESIGN ENGINEER	HYDRAULICS ENGINEER

DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED



NORTHBOUND R/W LABELED OFF -SR10- UNLESS NOTED OTHERWISE.	FOR -L- PROFILE SEE SHT.43
SOUTHBOUND R/W LABELED OFF -SR6- UNLESS NOTED OTHERWISE.	FOR -SR6- PROFILE SEE SHT.83
	FOR -SR10- PROFILE SEE SHT.93

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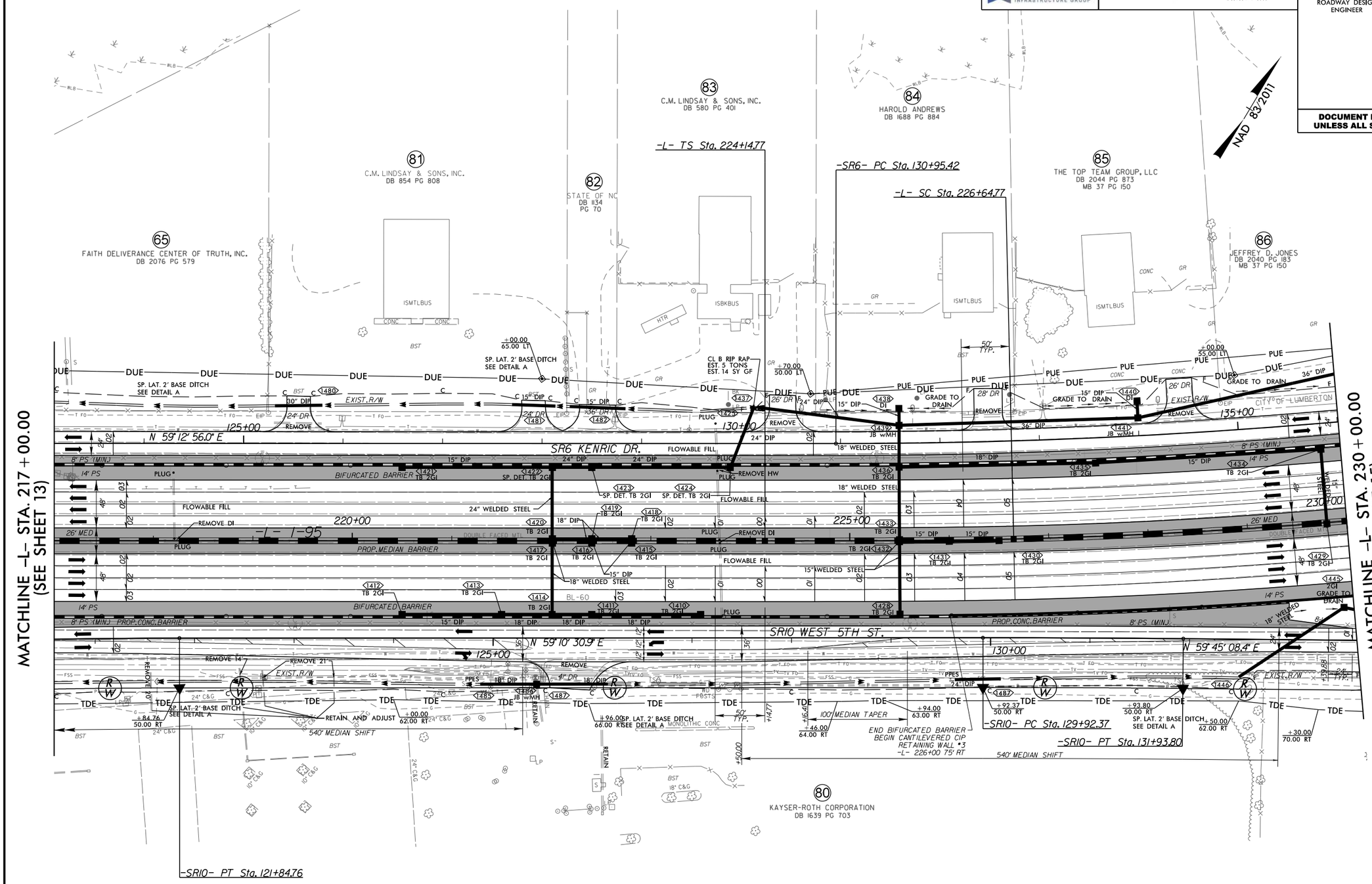
PROJECT REFERENCE NO.	SHEET NO.
I-6064/I-5879	14
R/W SHEET NO.	
ROADWAY DESIGN ENGINEER	HYDRAULICS ENGINEER

DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED



	FOR -L- PROFILE SEE SHT.43
NORTHBOUND R/W LABELED OFF -SR10- UNLESS NOTED OTHERWISE.	FOR -SR6- PROFILE SEE SHTS.83 THRU 84
SOUTHBOUND R/W LABELED OFF -SR6- UNLESS NOTED OTHERWISE.	FOR -SR10- PROFILE SEE SHTS.93 THRU 94

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PROJECT REFERENCE NO.	SHEET NO.
I-6064/I-5879	15
R/W SHEET NO.	
ROADWAY DESIGN ENGINEER	HYDRAULICS ENGINEER

DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED

SEE INSET "A"

INSET "A"

NAD 83/2011

MATCHLINE -L- STA. 230+00.00 (SEE SHEET 14)

MATCHLINE -L- STA. 243+00.00 (SEE SHEET 16)

-SR6- PT Sta. 142+67.70

-L- ST Sta. 237+10.69

SR6 KENRIC DR.

SR10 WEST 15TH ST.

SR9 JONATHAN DRIVE

-SR10- PC Sta. 136+93.66

-SR10- PT Sta. 138+45.61

-SR10- PC Sta. 141+90.90

-SR10- PT Sta. 144+04.33

-SR9- POT Sta. 10+00.00 = -SR10- POT Sta.145+64.95

END CONSTRUCTION -SR10- STA. 146+50.00

NORTHBOUND R/W LABELED OFF -SR10- UNLESS NOTED OTHERWISE.	FOR -L- PROFILE SEE SHT.44	FOR -SR10- PROFILE SEE SHT.94
SOUTHBOUND R/W LABELED OFF -SR6- UNLESS NOTED OTHERWISE.	FOR -SR6- PROFILE SEE SHT.84	FOR -SR9- PROFILE SEE SHT.89

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PROJECT REFERENCE NO.	SHEET NO.
I-6064/I-5879	16
RW SHEET NO.	
ROADWAY DESIGN ENGINEER	HYDRAULICS ENGINEER

DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED

NAD 83/2011

MATCHLINE -L- STA. 243+00.00 (SEE SHEET 15)

MATCHLINE -L- STA. 256+00.00 (SEE SHEET 17)

-SR6- PC Sta. 150+30.43

-SR9- PT Sta. 13+56.62

-SR9- PC Sta. 14+89.46

-L- TS Sta. 243+32.87

-SR9- PC Sta. 12+89.58

-SR10- POT Sta. 148+62.33

-L- SC Sta. 246+32.87

-L- I-95

SR9 JONATHAN DRIVE

BIFURCATED BARRIER

PROP. CONC. BARRIER

PROP. MEDIAN BARRIER

END BIFURCATED BARRIER BEGIN CANTILEVERED CIP RETAINING WALL #5 -L- 246+00 75' LT

100 CHARLES MCNEILL DB 516 PG 80

90 AL-WHIT LLC DB 1317 PG 21 MB 37 PG 150

101 CHARLES MCNEILL WILL 06-E 596

96 CHARLES MCNEILL WILL 06-E 596 DB 1333 PG 556

95 SAMIN CORORATION DB 1680 PG 550

93 HEAVARD OXENDINE DB 413 PG 388

98 CLAYBOURN WALTERS DB 814 PG 580

99 MACK WHITE INVESTMENTS INC DB 1076 PG 794 MB 38 PG 8

NORTHBOUND R/W LABELED OFF -SR9- UNLESS NOTED OTHERWISE.	FOR -L- PROFILE SEE SHT.44
SOUTHBOUND R/W LABELED OFF -SR6- UNLESS NOTED OTHERWISE.	FOR -SR9- PROFILE SEE SHT.84
	FOR -SR9- PROFILE SEE SHT.89

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PROJECT REFERENCE NO.	SHEET NO.
I-6064/I-5879	17
RW SHEET NO.	
ROADWAY DESIGN ENGINEER	HYDRAULICS ENGINEER

DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED

MATCHLINE -L- STA. 256+00.00 (SEE SHEET 16)

MATCHLINE -L- STA. 269+00.00 (SEE SHEET 18)

END CONSTRUCTION -SR6- STA. 175+34.46

-SR6- PT Sta. 175+28.68

-SR6- PRC Sta. 174+08.46

-SR6- PRC Sta. 169+67.52

END CANTILEVERED CIP RETAINING WALL #5
BEGIN BIFURCATED BARRIER
-L- 262+50.87' LT

END BIFURCATED BARRIER
-L- 264+23.75' LT

-SR6- PC Sta. 166+42.04

-SR6- PT Sta. 164+90.29

-Y2RPB- ST Sta. 10+00.00 = -L- POT Sta. 265+99.16' LT

-Y2RPB- SC Sta. 11+50.00

-L- ST Sta. 264+23.75

-SR9- PC Sta. 35+48.57

-SR9- PT Sta. 32+02.43

-SR9- PT Sta. 37+85.34

-L- CS Sta. 261+23.75

-Y2RPC- POT Sta. 10+00.00 = -L- POT Sta. 267+70.62.6' RT Δ = 4°07'00"

END CONSTRUCTION -SR9- STA. 37+90.00

SR6 KENRIC DR.

SR9 JONATHAN DRIVE

N 5°11'24.2" W

N 68°48'39.1" E

N 74°55'47.1" E

S 37°14'29.1" E

NAD 83/2011

101 CHARLES MCNEILL WILL 06-E 596

102 THE LUMBER RIVER CONSERVANCY DB 1106 PG 841

99 MACK WHITE INVESTMENTS INC DB 1076 PG 794 MB 38 PG 8

103 MACK WHITE INVESTMENTS INC DB 1076 PG 794 MB 38 PG 8

104 MACK WHITE INVESTMENTS INC DB 1076 PG 794 MB 38 PG 8

105 CB OF EDENTON LLC DB 2063 PG 91 MB 38 PG 8

106 JHS ROBESON PROPERTIES LLC DB 2001 PG 814

107 OUTDOOR REALTY LLC DB 1528 PG 717

108 JEANNETTE MARTIN DB 9R PG 260

109 HEIRS OF S.B. ATKINSON DB 106 PG 603

111 THE CITY OF LUMBERTON DB 1363 PG 82

FOR -SR6- PROFILE SEE SHTS.84 THRU 85		
NORTHBOUND R/W LABELED OFF -SR9- UNLESS NOTED OTHERWISE.	FOR -L- PROFILE SEE SHT.45	FOR -Y2RPB- PROFILE SEE SHT.57
SOUTHBOUND R/W LABELED OFF -SR6- UNLESS NOTED OTHERWISE.	FOR -SR9- PROFILE SEE SHT.89	FOR -Y2RPC- PROFILE SEE SHT.57

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Corbin Jackson

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PROJECT REFERENCE NO.	SHEET NO.
I-6064/I-5879	18
R/W SHEET NO.	
ROADWAY DESIGN ENGINEER	HYDRAULICS ENGINEER

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NAD 83/2011

MATCHLINE -L- STA. 269+00.00 (SEE SHEET 17)

MATCHLINE -L- STA. 297+00.00 (SEE SHEET 19)

-Y2- CATON ROAD

-SR7- RESTER FARM

-SR8- RESTER FARM

END CONSTRUCTION -Y2- STA. 39+85.00

BEGIN CONSTRUCTION -SR8- STA.10+70.00

BEGIN CONSTRUCTION -SR10A- STA.12+50.00

BEGIN APPROACH SLAB -Y2- STA.22+33.00

BEGIN BRIDGE -Y2- STA.22+67.73

END BRIDGE -Y2- STA.24+90.73

END APPROACH SLAB -Y2- STA.25+19.81

A

B

C

D

CALLOUT LEGEND	
A	-Y2- PC Sta.17+60.62
B	-Y2RPA- POT Sta. 25+46.16 = -Y2- POC Sta.21+12.99
C	-Y2RPB- POT Sta. 21+71.50 = -Y2- POC Sta.21+23.40
D	-Y2- PT Sta. 26+63.20
E	-SR10A- PT Sta. 14+86.15

★ PROPOSED SIGNAL

PAVEMENT REMOVAL

FOR INTERSECTION DETAILS SEE SHT. 28-3	FOR -L- PROFILE SEE SHTS.45 THRU 46
FOR -SR7- PROFILE SEE SHTS.85 THRU 86	FOR -Y2RPA- PROFILE SEE SHT.56
FOR -SR8- PROFILE SEE SHTS.87-88	FOR -Y2RPB- PROFILE SEE SHT.57
FOR -Y2- PROFILE SEE SHT.55	FOR -Y2RPC- PROFILE SEE SHTS.57
FOR -SR10A- PROFILE SEE SHT.94	FOR -Y2RPD- PROFILE SEE SHT.58

GRAPHIC SCALE
50 25 0 50 100
PLANS

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...use by others...

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PROJECT REFERENCE NO.	SHEET NO.
I-6064/I-5879	19
R/W SHEET NO.	
ROADWAY DESIGN ENGINEER	HYDRAULICS ENGINEER

DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED

NAD 83/2011

-SR7- PCC Sta. 30+83.86

MATCHLINE -L- STA. 297+00.00 (SEE SHEET 18)

MATCHLINE -L- STA. 310+00.00 (SEE SHEET 20)

-SR7- PT Sta. 42+22.97

-L- ST Sta. 309+39.71

-L- CS Sta. 307+89.71

END BIFURCATED BARRIER
BEGIN CANTILEVERED CIP RETAINING WALL #7A
-L- 304+00 75' LT

SR7 COX ROAD

SR8 HESTER ROAD
N 64°28'39.6" E

PROP. CONC. BARRIER

PROP. MEDIAN BARRIER

-SR8- PRC Sta. 21+93.21

-SR8- PC 24+44.31

-SR8- PT 23+30.67

-SR8- PT 30+92.02

140 D.D. KING FAMILY PROPERTIES LLC
DB 2127 PG 274
MB 1PG 56

141 HUBERT OXENDINE
DB 1056 PG 872

142 JOHN VALADE
DB 1516 PG 480

143 MARIYKA STANISLAVOVA
DB 806 PG 804

144 THE SCHAFER COMPANY INC
DB 821PG 276

145 JOHN VALADE
DB 1516 PG 480

146 MILDRED HUNT
DB 1065 PG 533

147 K P FOODS INC
DB 1119 PG 557

148 MARY LOUISE STEPHENS
DB 1812 PG 409
MB 5 PG 75

149 MARY LOUISE STEPHENS
DB 1812 PG 412
MB 5 PG 75

150 HORACE HARDIN
DB 560 PG 363
DB 2157 PG 701

151 O'REILLY AUTOMOTIVE STORES INC
DB 2122 PG 643

152 RALPH LOCKLEAR
WILL I8-E PG 331

153 K M BIGGS INCORPORATED
DB 2072 PG 842
MB 41PG 3

154 HEAVARD OXENDINE
DB 1232 PG 331

NORTHBOUND R/W LABELED OFF -SR8- UNLESS NOTED OTHERWISE. | FOR -SR8- PROFILE SEE SHTS.87 THRU 88

SOUTHBOUND R/W LABELED OFF -SR7- UNLESS NOTED OTHERWISE. | FOR -L- PROFILE SEE SHT.46 | FOR -SR7- PROFILE SEE SHT.86

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R/W SHEET NO.	
ROADWAY DESIGN ENGINEER	HYDRAULICS ENGINEER

DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED

-SR7- POT Sta. 60+42.34
END CONSTRUCTION

INSET "A"
-SR7- STA. 59+00.00

-SR7- PT Sta. 59+20.47

MATCHLINE (SEE SHEET 20A)

MATCHLINE -L- STA. 310+00.00 (SEE SHEET 19)

MATCHLINE -L- STA. 324+00.00 (SEE SHEET 21)

SEE INSET "A" -SR7- STA. 59+00.00

SR 1588 (COX ROAD)
DOT CROSSING # 631023Y
MILEPOST SE 295.04
EXISTING CROSSING TO BE REPLACED W/ RUBBER RAIL SEAL & ASPHALT BY CSX

SR1 COX ROAD

SR8 HESTER ROAD

SR8A

SR12 HACKETT STREET

PARCEL 161
TOTAL TAKE W/ PROPOSED ROW

CITY OF LUMBERTON FLOODGATE PROJECT (BY OTHERS)

PROPOSED DRAINAGE INTERIOR TO AND AROUND FLOODGATE TO BE PROVIDED BY OTHERS

FUTURE MAINTENANCE ROADS

CALLOUT LEGEND	
A	-SR7- PC Sta. 46+48.52
B	-SR7- PC Sta. 51+96.77
C	-SR7- PRC Sta. 55+44.30
D	-SRI2- POT Sta. 10+00.00 = -SR7- POC Sta. 57+31.96
E	-SRI2- PC Sta. 10+23.77
F	-SR8A- POT Sta. 10+00.00 = -SR8- POC Sta. 36+76.30
G	-SR8A- POT Sta. 13+86.95

PAVEMENT REMOVAL | FOR -L- PROFILE SEE SHT.47 | FOR -SR8A- PROFILE SEE SHT.88 | FOR -SR8- PROFILE SEE SHT.88 | FOR -SRI2- PROFILE SEE SHT.95

FOR -SRI3- PROFILE SEE SHT.96

FOR -SR7- PROFILE SEES SHTS.86 THRU 87

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Brandon Lusk

8/17/99

FLATIRON UNITED INFRASTRUCTURE GROUP

ICE of CAROLINAS, PLLC

ICE of Carolinas, PLLC
4505 Falls of Neuse Road, Suite 110
Raleigh, North Carolina 27609
Phone: 803-822-0333
License #: P-0999

PROJECT REFERENCE NO.	SHEET NO.
I-6064/I-5879	20A
R/W SHEET NO.	
ROADWAY DESIGN ENGINEER	HYDRAULICS ENGINEER

DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED

NAD 83/2011

SPARTAN LLC
DB 1637 PG 232

167

EXIST. R/W

-SR07-
+25.64
1538.24 LT

-SR07-
+81.70
1414.13 LT

-SR07-
+12.44
1035.60 LT

-SR07-
+03.42
726.25 LT

-SR07-
+49.26
296.39 LT

EXISTING R/W

CL I RIP RAP
EST. 44 TONS
EST. 88 SY GF

-SR07-
+22.32
1510.91 LT

-SR07-
+77.98
1376.97 LT

-SR07-
+45.46
925.38 LT

409

ALEX STANTON
DB 2136 PG 13

STD. 5' BASE DITCH
SEE DETAIL E

-SR07-
+38.84
720.20 LT

-SR07-
+65.00
315.00 LT

160

OMNISOURCE SOUTHEAST LLC
DB 1994 PG 786

MATCHLINE
(SEE SHEET 20)

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corbin.jackson

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FLATIRON UNITED INFRASTRUCTURE GROUP

ICE of CAROLINAS, PLLC

ICE of Carolinas, PLLC
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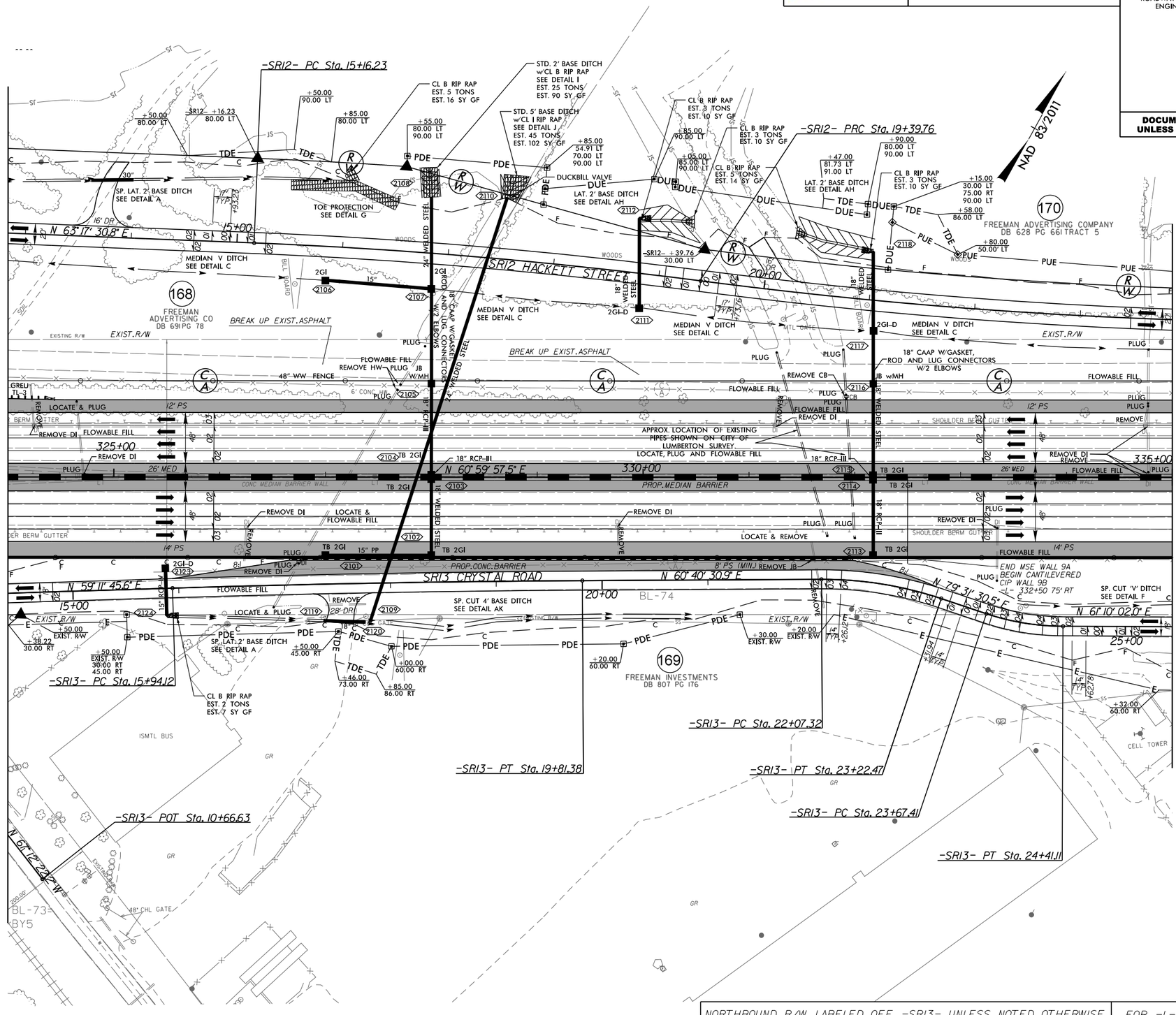
License #: P-0999

PROJECT REFERENCE NO.	SHEET NO.
I-6064/I-5879	21
R/W SHEET NO.	
ROADWAY DESIGN ENGINEER	HYDRAULICS ENGINEER

DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED



NORTHBOUND R/W LABELED OFF -SRI3- UNLESS NOTED OTHERWISE.		FOR -L- PROFILE SEE SHT.47
SOUTHBOUND R/W LABELED OFF -SRI2- UNLESS NOTED OTHERWISE.	FOR -SRI2- PROFILE SEE SHT.95	FOR -SRI3- PROFILE SEE SHT.96

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Gordon Jackson

8/17/99

FLATIRON UNITED INFRASTRUCTURE GROUP

ICE of Carolinas, PLLC
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Raleigh, North Carolina 27609
Phone: 803-822-0333
License #: P-0999

PROJECT REFERENCE NO.	SHEET NO.
I-6064/I-5879	22
RW SHEET NO.	
ROADWAY DESIGN ENGINEER	HYDRAULICS ENGINEER

DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED

MATCHLINE -L- STA. 335+00.00 (SEE SHEET 21)

MATCHLINE -L- STA. 347+00.00 (SEE SHEET 23)

NAD 83/2011

171 THE CITY OF LUMBERTON DB 646 PG 175

170 FREEMAN ADVERTISING COMPANY DB 628 PG 661 TRACT 5

172 STATE HIGHWAY AND PUBLIC WORKS COMMISSION DB IIV PG 67

169 FREEMAN INVESTMENTS DB 807 PG 176

174 STATE HIGHWAY AND PUBLIC WORKS COMMISSION DB IIV PG 67

175 CITY OF LUMBERTON DB I5S PG 239

-SRI2- PT Sta. 25+54.15

-SRI2- POT Sta. 35+72.16

END CONSTRUCTION -SRI2- STA. 34+35.00

25+00

30+00

35+00

340+00

345+00

335+00

N 60° 59' 57.5" E SRI2 HACKETT STREET

N 61° 10' 02.0" E SRI3 CRYSTAL ROAD

-L- I-95

PROP. MEDIAN BARRIER

CONC. MEDIAN BARRIER WALL

BIFURCATED BARRIER

-SRI3- POT Sta. 37+03.31

END CONSTRUCTION -SRI3- STA. 30+20.00

END CANTILEVERED CIP WALL 9B BEGIN BIFURCATED BARRIER -L- 335+00 75' RT

I5879-1

I5879-2

NORTHBOUND R/W LABELED OFF -SRI3- UNLESS NOTED OTHERWISE.	FOR -L- PROFILE SEE SHT.48
SOUTHBOUND R/W LABELED OFF -SRI2- UNLESS NOTED OTHERWISE.	FOR -SRI2- PROFILE SEE SHT.95 / FOR -SRI3- PROFILE SEE SHT.96

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gordon.jackson

FLATIRON UNITED INFRASTRUCTURE GROUP

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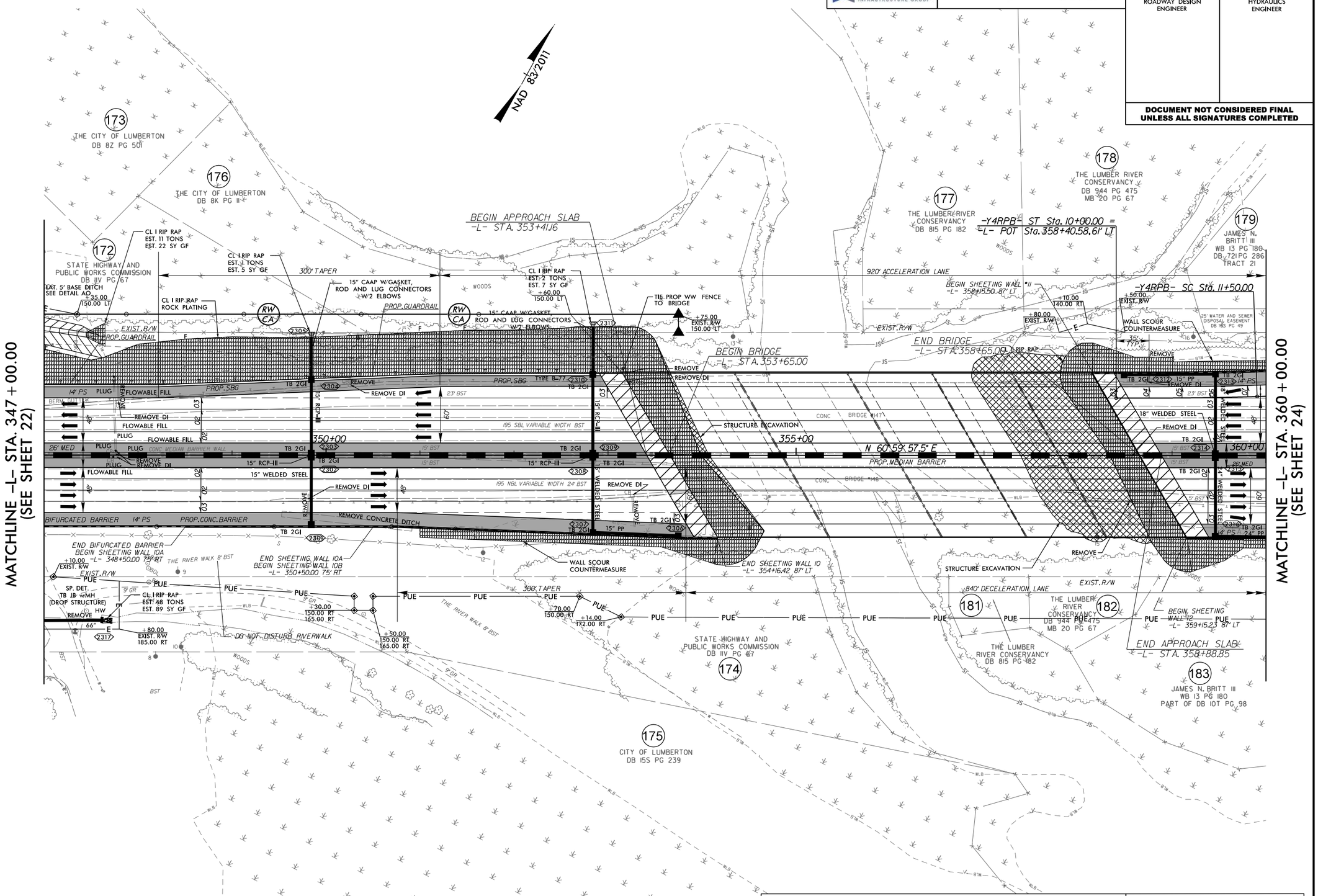
ICE of Carolinas, PLLC
4505 Falls of Neuse Road, Suite 110
Raleigh, North Carolina 27609
Phone: 803-822-0333
License #: P-0999

PROJECT REFERENCE NO.	SHEET NO.
I-6064/I-5879	23
R/W SHEET NO.	
ROADWAY DESIGN ENGINEER	HYDRAULICS ENGINEER

DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED



NORTHBOUND R/W LABELED OFF -L- UNLESS NOTED OTHERWISE.	FOR -L- PROFILE SEE SHT.48
SOUTHBOUND R/W LABELED OFF -L- UNLESS NOTED OTHERWISE.	FOR -Y4RPB- PROFILE SEE SHT.61

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corbin.jackson

FLATIRON UNITED

ICE of CAROLINAS, PLLC

ICE of Carolinas, PLLC
4520 Falls of Neuse Road, Suite 110
Raleigh, North Carolina 27609
Phone: 833-642-0423
License #: P-0999

PROJECT REFERENCE NO.	SHEET NO.
I-6064/I-5879	24
R/W SHEET NO.	
ROADWAY DESIGN ENGINEER	HYDRAULICS ENGINEER

DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED

NAD 83/2011

MATCHLINE -Y4- STA. 19+00.00 (SEE SHEET 22)

MATCHLINE -L- STA. 360+00.00 (SEE SHEET 23)

MATCHLINE -L- STA. 387+00.00 (SEE SHEET 25)

MATCHLINE -Y4- STA. 35+00.00 (SEE SHEET 33)

CALLOUT LEGEND	
A	-SRI- POT Sta. 10+00.00 = -Y4- POT Sta. 23+42.49
B	-RAB1- POC Sta. 20+10.00 = -RAB1- POC Sta. 23+68.14
C	-SRI- PC Sta. 10+94.22
D	-Y4RPC- PT Sta. 22+50.79
E	-Y4RPC- POT Sta. 22+67.33
F	-SR2- POT Sta. 10+00.00 = -Y4- POT Sta. 31+76.45
G	-RAB2- POC Sta. 50+00.00 = -RAB2- POT Sta. 53+58.14

FOR INTERSECTION & ROUNDABOUT DETAILS SEE SHT. 28-4		FOR -L- PROFILE SEE SHT. 49
FOR -SRI- PROFILE SEE SHT. 69	FOR -Y4- PROFILE SEE SHT. 59	FOR -Y4RPB- PROFILE SEE SHT. 61
FOR -SR2- PROFILE SEE SHTS. 71 THRU 72	FOR -RAB1- PROFILE SEE SHT. 60	FOR -Y4RPC- PROFILE SEE SHT. 62
FOR -Y4RPA- PROFILE SEE SHTS. 60 THRU 61	FOR -RAB2- PROFILE SEE SHT. 60	FOR -Y4RPD- PROFILE SEE SHT. 62

GRAPHIC SCALE
50 25 0 50 100
PLANS

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FLATIRON UNITED INFRASTRUCTURE GROUP

ICE of CAROLINAS, PLLC

ICE of Carolinas, PLLC
4505 Falls of Neuse Road, Suite 110
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Phone: 803-822-0333
License #: P-0999

PROJECT REFERENCE NO.	SHEET NO.
I-6064/I-5879	25
R/W SHEET NO.	
ROADWAY DESIGN ENGINEER	HYDRAULICS ENGINEER

DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED

NAD 83/2011

MATCHLINE -L- STA. 387+00.00 (SEE SHEET 24)

MATCHLINE -L- STA. 400+00.00 (SEE SHEET 26)

-SRI- PCC Sta. 30+71.67

-SR2- PT Sta. 27+62.62

-SR2- PC Sta. 32+25.25

-SR2- PCC Sta. 34+46.29

-L- 395+00

SRI LACKEY ST

SR2 CAPUANO ST

N 43° 49' 41.0" E

END CANTILEVERED CIP RETAINING WALL #23
BEGIN BIFURCATED BARRIER
-L- 388+00.00 87' RT

BEGIN COMBO NOISE/ RETAINING WALL #13
-L- 396+39 +/- 80.5' RT

217
JAMES N. BRITT III
DB 721 PG 286
WB 13 PG 180
PART OF DB 101 PG 98

215
JAMES N. BRITT III
WB 13 PG 180
DB 721 PG 286 TRACT 23

214
CITY OF LUMBERTON
DB 519 PG 183

NORTHBOUND R/W LABELED OFF -SR2- UNLESS NOTED OTHERWISE.		FOR -L- PROFILE SEE SHT.50
SOUTHBOUND R/W LABELED OFF -SRI- UNLESS NOTED OTHERWISE.	FOR -SRI- PROFILE SEE SHTS.69 THRU 70	FOR -SR2- PROFILE SEE SHT.72

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carbin.jackson

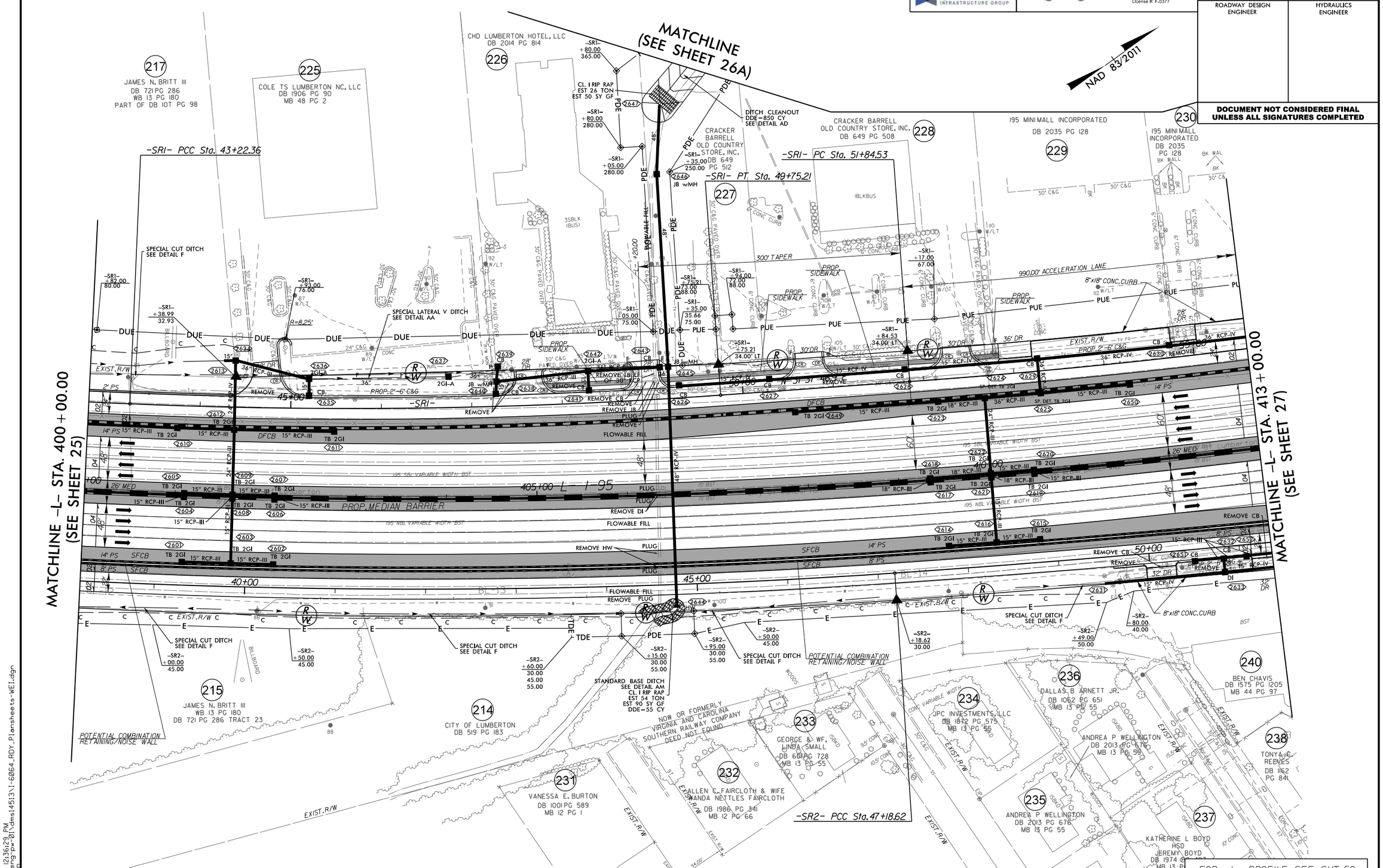
FLATIRON UNITED INFRASTRUCTURE GROUP

WETHERILL ENGINEERING

Wetherill Engineering, Inc.
1223 Jones Franklin Road
Raleigh, North Carolina 27606
Phone: 919-851-8077
License #: F-0377

PROJECT REFERENCE NO.	SHEET NO.
I-6064/I-5879	26
R/W SHEET NO.	
ROADWAY DESIGN ENGINEER	HYDRAULICS ENGINEER

DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED



FOR -L- PROFILE SEE SHT.50	
FOR -SR1- PROFILE SEE SHT.70	FOR -SR2- PROFILE SEE SHT.72

8/17/99

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8/17/99

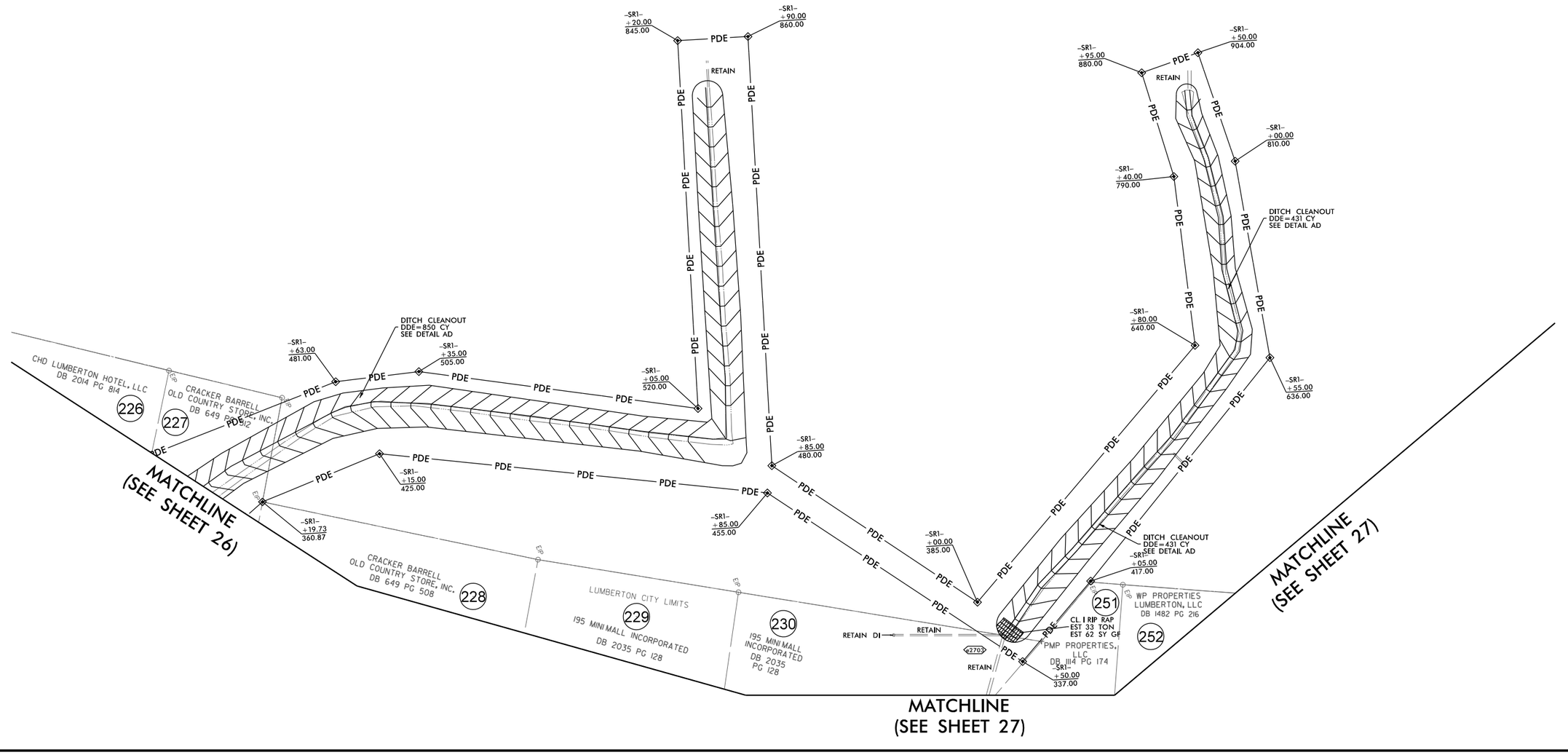
Wetherill Engineering, Inc.
1223 Jones Franklin Road
Raleigh, North Carolina 27606
Phone: 919-851-8077
License #: F-0377

PROJECT REFERENCE NO.	SHEET NO.
I-6064/I-5879	26A
R/W SHEET NO.	
ROADWAY DESIGN ENGINEER	HYDRAULICS ENGINEER

DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED

NAD 83/2011

217
JAMES N. BRITT III
DB 721PG 286
WB 13 PG 180
PART OF DB 101 PG 98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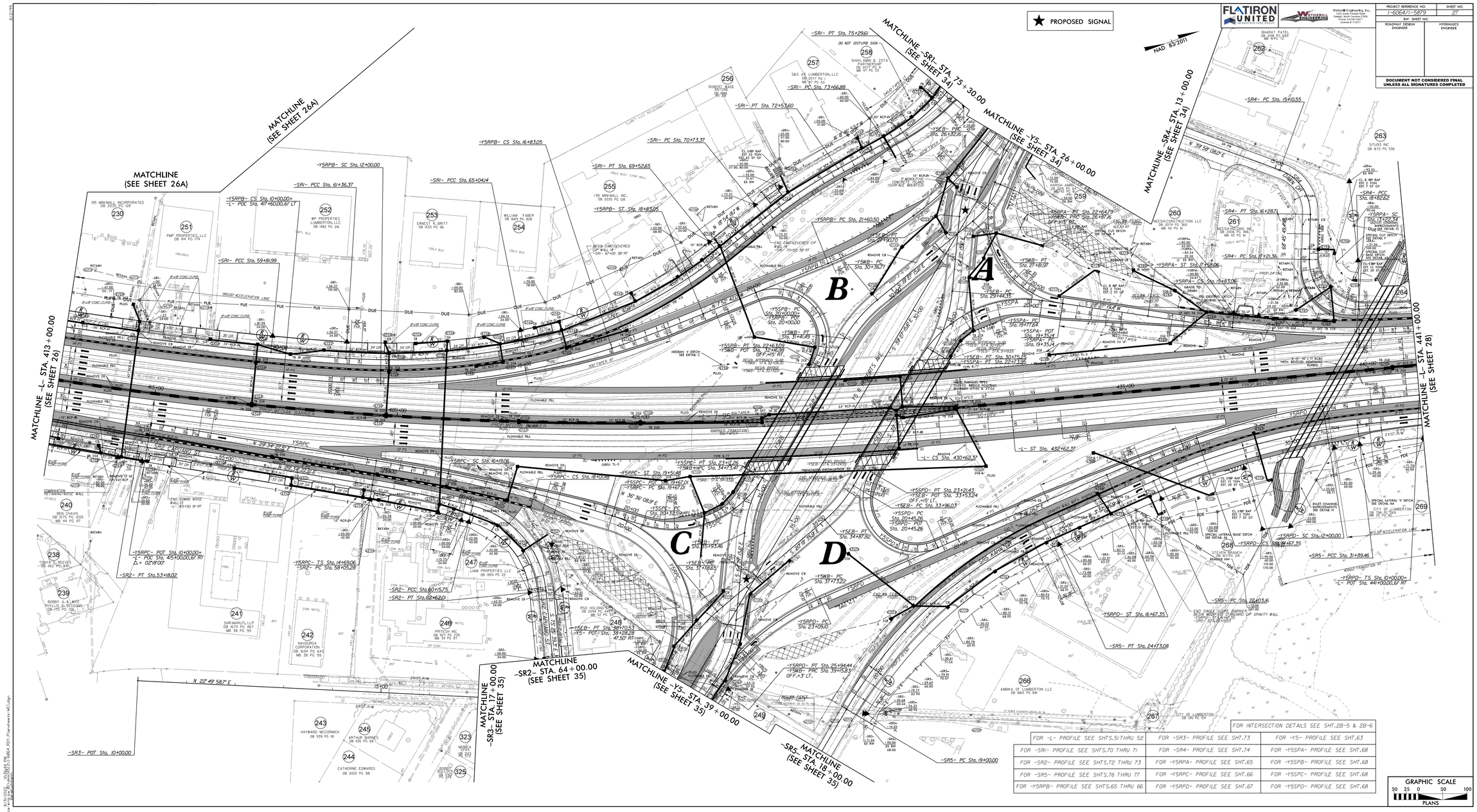
+20.00
845.00
PDE
-SR1-
+90.00
860.00
RETAIN
PDE
PDE
PDE
PDE
-SR1-
+50.00
904.00
-SR1-
+95.00
880.00
PDE
RETAIN
PDE
PDE
-SR1-
+00.00
810.00
-SR1-
+40.00
790.00
PDE
PDE
DITCH CLEANOUT
DDE=431 CY
SEE DETAIL AD
-SR1-
+80.00
640.00
PDE
PDE
PDE
-SR1-
+55.00
636.00
DITCH CLEANOUT
DDE=850 CY
SEE DETAIL AD
-SR1-
+63.00
481.00
-SR1-
+35.00
505.00
-SR1-
+05.00
520.00
PDE
PDE
PDE
PDE


PROPOSED SIGNAL
NAD 83-2011
MATCHLINE (SEE SHEET 26A)
MATCHLINE -SR1- STA. 75+30.00 (SEE SHEET 34)
MATCHLINE -YS- STA. 26+00.00 (SEE SHEET 34)
MATCHLINE -SR4- STA. 13+00.00 (SEE SHEET 34)
MATCHLINE -L- STA. 413+00.00 (SEE SHEET 26)
MATCHLINE -L- STA. 441+00.00 (SEE SHEET 28)
MATCHLINE -SR2- STA. 64+00.00 (SEE SHEET 35)
MATCHLINE -SR3- STA. 17+60.00 (SEE SHEET 35)
MATCHLINE -YS- STA. 39+00.00 (SEE SHEET 35)
MATCHLINE -SR5- STA. 18+00.00 (SEE SHEET 35)
A
B
C
D
-SR1- PT Sta. 75+29.61
-SR1- PC Sta. 73+66.88
-SR1- PT Sta. 72+53.60
-SR1- PC Sta. 70+73.37
-SR1- PT Sta. 69+52.65
-SR1- PCC Sta. 65+04.14
-SR1- PCC Sta. 61+36.37
-SR1- PCC Sta. 59+81.99
-Y5RPB- CS Sta. 16+83.05
-Y5RPB- SC Sta. 12+00.00
-Y5RPB- CS Sta. 10+00.00= -L- POC Sta. 417+60.00, 6' LT
-Y5RPB- ST Sta. 18+83.05
-Y5RPB- PC Sta. 21+60.50
-Y5RPA- PT Sta. 20+64.79
-Y5RPA- PRC Sta. 25+87.16
-Y5RPA- ST Sta. 0+25.06
-Y5RPA- CS Sta. 15+83.06
-SR4- PC Sta. 15+40.55
-SR4- PT Sta. 16+28.71
-SR4- PCC Sta. 18+82.82
-SR4- PCC Sta. 17+21.36
-Y5RPA- SC Sta. 13+22.54
-Y5RPC- PT Sta. 23+12.43
-Y5RPC- PRC Sta. 19+77.64
-Y5RPC- PC Sta. 19+35.14
-Y5RPC- CS Sta. 16+49.06
-Y5RPC- SC Sta. 16+19.06
-Y5RPC- TS Sta. 14+69.06
-Y5RPC- POT Sta. 10+00.00= -L- POC Sta. 451+00.00, 6' RT
Δ = 02°18'00"
-SR2- PT Sta. 53+18.02
-SR2- PC Sta. 58+05.28
-SR2- PCC Sta. 60+15.75
-SR2- PT Sta. 62+62.01
-SR3- POT Sta. 10+00.00
-Y5RPD- PT Sta. 23+12.43
-Y5RPD- POT Sta. 23+15.24
OFF 4.15' LT.
-Y5RPD- PC Sta. 20+45.26
-Y5RPD- PT Sta. 23+09.20
-Y5RPD- PRC Sta. 25+94.44
-Y5RPD- PC Sta. 29+52.53
OFF 4.3' LT.
-Y5RPD- ST Sta. 16+67.35
-Y5RPD- CS Sta. 19+67.35
-Y5RPD- SC Sta. 12+00.00
-Y5RPD- TS Sta. 10+00.00= -L- POT Sta. 441+00.00, 6' RT
-SR5- PC Sta. 22+03.16
-SR5- PCC Sta. 31+39.46
-SR5- PT Sta. 24+73.08
-SR5- PC Sta. 19+00.00
-Y5SPB- PC Sta. 20+00.00= -Y5RPB- POT Sta. 20+00.00
-Y5SPB- PT Sta. 22+63.04
-Y5RPB- PRC Sta. 19+52.53
OFF 3' LT.
-Y5SPC- PT Sta. 22+63.04
-Y5RPB- POT Sta. 12+29.58
-Y5SPC- PC Sta. 20+00.00
-Y5SPC- PT Sta. 23+10.26
-Y5RPB- PRC Sta. 19+52.53
OFF 3' LT.
-Y5SPC- ST Sta. 19+45.49
-Y5RPC- PT Sta. 23+67.19
-Y5RPC- PC Sta. 19+67.19
-Y5SPC- PC Sta. 20+33.59
-Y5SPC- PT Sta. 23+33.59
-Y5SPD- PT Sta. 23+12.43
-Y5EB- POT Sta. 33+15.24
-Y5EB- PC Sta. 33+90.03
-Y5EB- PT Sta. 34+87.92
-Y5EB- PC Sta. 26+32.16
-Y5EB- PT Sta. 27+78.25
-Y5EB- PC Sta. 29+44.35
-Y5EB- PT Sta. 30+75.25
-Y5EA- PT Sta. 22+13.09
-Y5EA- PC Sta. 19+77.64
-Y5EA- PT Sta. 19+35.14
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-Y5EA- PT Sta. 5+36.77
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-Y5EA- PT Sta. 3+48.34
-Y5EA- PC Sta. 2+04.40
-Y5EA- PT Sta. 1+59.91
-Y5EA- PC Sta. 0+15.97
-L- ST Sta. 432+62.37
-L- CS Sta. 430+62.37
-L- PT Sta. 429+70.70
-L- PC Sta. 427+44.35
-L- PT Sta. 425+18.00
-L- PC Sta. 422+91.65
-L- PT Sta. 420+65.30
-L- PC Sta. 418+38.95
-L- PT Sta. 416+12.60
-L- PC Sta. 413+86.25
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-L- PC Sta. 409+33.55
-L- PT Sta. 407+07.20
-L- PC Sta. 404+80.85
-L- PT Sta. 402+54.50
-L- PC Sta. 400+28.15
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-L- PT Sta. 388+96.40
-L- PC Sta. 386+70.05
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-L- PC Sta. 268+99.85
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-L- PC Sta. 264+47.15
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-L- PC Sta. 259+94.45
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-L- PC Sta. 255+41.75
-L- PT Sta. 253+15.40
-L- PC Sta. 250+89.05
-L- PT Sta. 248+62.70
-L- PC Sta. 246+36.35
-L- PT Sta. 244+10.00
-L- PC Sta. 241+83.65
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-L- PC Sta. 237+30.95
-L- PT Sta. 235+04.60
-L- PC Sta. 232+78.25
-L- PT Sta. 230+51.90
-L- PC Sta. 228+25.55
-L- PT Sta. 225+99.20
-L- PC Sta. 223+72.85
-L- PT Sta. 221+46.50
-L- PC Sta. 219+20.15
-L- PT Sta. 216+93.80
-L- PC Sta. 214+67.45
-L- PT Sta. 212+41.10
-L- PC Sta. 210+14.75
-L- PT Sta. 207+88.40
-L- PC Sta. 205+62.05
-L- PT Sta. 203+35.70
-L- PC Sta. 201+09.35
-L- PT Sta. 198+83.00
-L- PC Sta. 196+56.65
-L- PT Sta. 194+30.30
-L- PC Sta. 192+03.95
-L- PT Sta. 189+77.60
-L- PC Sta. 187+51.25
-L- PT Sta. 185+24.90
-L- PC Sta. 182+98.55
-L- PT Sta. 180+72.20
-L- PC Sta. 178+45.85
-L- PT Sta. 176+19.50
-L- PC Sta. 173+93.15
-L- PT Sta. 171+66.80
-L- PC Sta. 169+40.45
-L- PT Sta. 167+14.10
-L- PC Sta. 164+87.75
-L- PT Sta. 162+61.40
-L- PC Sta. 160+35.05
-L- PT Sta. 158+08.70
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-L- END PROJECT
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-SR4- PT Sta. 416+45.46
-SR4- PC Sta. 418+45.46
-SR4- PT Sta. 419+07.46
-SR4- PC Sta. 421+07.46
-SR4- PT Sta. 421+69.46
-SR4- PC Sta. 423+69.46
-SR4- PT Sta. 424+31.46
-SR4- PC Sta. 426+31.46
-SR4- PT Sta. 426+93.46
-SR4- PC Sta. 428+93.46
-SR4- PT Sta. 429+55.46
-SR4- PC Sta. 431+55.46
-SR4- PT Sta. 432+17.46
-SR4- PC Sta. 434+17.46
-SR4- PT Sta. 434+79.46
-SR4- PC Sta. 436+79.46
-SR4- PT Sta. 437+41.46
-SR4- PC Sta. 439+41.46
-SR4- PT Sta. 440+03.46
-SR4- PC Sta. 442+03.46
-SR4- PT Sta. 442+65.46
-SR4- PC Sta. 444+65.46
-SR4- PT Sta. 445+27.46
-SR4- PC Sta. 447+27.46
-SR4- PT Sta. 447+89.46
-SR4- PC Sta. 449+89.46
-SR4- PT Sta. 450+51.46
-SR4- PC Sta. 452+51.46
-SR4- PT Sta. 453+13.46
-SR4- PC Sta. 455+13.46
-SR4- PT Sta. 455+75.46
-SR4- PC Sta. 457+75.46
-SR4- PT Sta. 458+37.46
-SR4- PC Sta. 460+37.46
-SR4- PT Sta. 460+99.46
-SR4- PC Sta. 462+99.46
-SR4- PT Sta. 463+61.46
-SR4- PC Sta. 465+61.46
-SR4- PT Sta. 466+23.46
-SR4- PC Sta. 468+23.46
-SR4- PT Sta. 468+85.46
-SR4- PC Sta. 470+85.46
-SR4- PT Sta. 471+47.46
-SR4- PC Sta. 473+47.46
-SR4- PT Sta. 474+09.46
-SR4- PC Sta. 476+09.46
-SR4-

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FLATIRON UNITED INFRASTRUCTURE GROUP

WETHERILL ENGINEERING

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PROJECT REFERENCE NO.	SHEET NO.
I-6064/I-5879	28
RW SHEET NO.	
ROADWAY DESIGN ENGINEER	HYDRAULICS ENGINEER

DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED

MATCHLINE -L- STA. 441+00.00 (SEE SHEET 27)

MATCHLINE -L- STA. 454+00.00 (SEE SHEET 29)

NAD 83/2011

CITY OF LUMBERTON DB 14R PG 293, DB 14R PG 253, DB 14J PG 284, DB 14S PG 266 — 340

CITY OF LUMBERTON DB 13S PG 133 — 274

CITY OF LUMBERTON DB 798 PG 269 — 264

CITY OF LUMBERTON DB 2208 PG 663, MB 54 PG 173 — 273

CITY OF LUMBERTON DB 2208 PG 663, MB 54 PG 173 — 273A

CITY OF LUMBERTON DB 16X PG 229 — 275

FRENCH FAMILY PROPERTIES DB 1430 PG 572 — 276

FRENCH FAMILY PROPERTIES DB 1430 PG 572 — 404

CITY OF LUMBERTON DB 798 PG 269, MB 25 PG 110 — 269

CITY OF LUMBERTON DB 798 PG 269, MB 25 PG 110 — 270

CHARLES MCNEIL DB 1240 PG 122 — 271

SOUTHERN NATIONAL BANK DB 843 PG 359 — 272

-SR4- PC Sta.22+89.46

-SR4- PT Sta. 26+07.68

-Y5RPA- POT Sta. 10+00.00

-L- POT Sta. 443+10.00, 61' LT, Δ = 02°19'00"

-SR4- PT Sta. 20+54.87

-Y5RPA- TS Sta. 11+47.34

-SR5- PT Sta. 32+71.70

-SR5- PC Sta. 40+51.70

-SR5- PRC Sta. 43+59.04

-L- I-95

SR4 DAWN DR

SR5 KAHN DR

N 17° 06' 28.0" E

Y5RPA S 17° 06' 28.0" W

N 14° 47' 28.0" E

443+00

450+00

35+00

40+00

45+00

PROP.MEDIAN BARRIER

FLOWABLE FILL

3 @ 10' x 11' RCBC WITH BEVELED HEADWALL BURIED 1'

OUTLET CHANNEL IMPROVEMENTS SEE DETAIL Q

STANDARD BASE DITCH SEE DETAIL AG 3' BASE 3:1 SIDES 0.50% GRADE DDE=20 CY

CL B RIP RAP EST. 8 TON EST. 21 SY GT

SPECIAL CUT DITCH SEE DETAIL F

CL B RIP RAP EST. 3 TON EST. 10 SY GT

CL B RIP RAP EST. 5 TON EST. 14 SY GT

TOE PROTECTION SEE DETAIL G W/CL B RIPRAP EST 60 TONS EST 130 SY GT

TOE PROTECTION SEE DETAIL G W/CL B RIPRAP EST 90 TONS EST 200 SY GT

TOE PROTECTION SEE DETAIL G W/CL B RIPRAP EST 100 TONS EST 148 SY GT

INLET CHANNEL IMPROVEMENTS SEE DETAIL P

CHANNEL CHANGE SEE DETAIL AZ DDE = 1800 CY

CLASS I RIP RAP BANK STABILIZATION CL I RR 424 TNS GEO 720 SY

CLASS I RIP RAP BANK STABILIZATION CL I RR 322 TNS GEO 545 SY

SPECIAL LATERAL 'BASE' DITCH SEE DETAIL AI

DITCH CLEANOUT SEE DETAIL AF 4' BASE 3:1 SIDES 0.45% GRADE DDE=25 CY

COMBINATION RETAINING/NOISE WALL 15

DO NOT DISTURB LIFT STATION

PROP.10' MULTI-USE PATH

PROP.2'-6" C&G

EXIST.R/W

972.30' ACCELERATION LANE

300' TAPER

FOR -SR4- PROFILE SEE SHT.74	FOR -L- PROFILE SEE SHT.52
FOR -Y5RPA- PROFILE SEE SHT.65	FOR -SR5- PROFILE SEE SHT.77

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PROJECT REFERENCE NO.	SHEET NO.
I-6064/I-5879	29
R/W SHEET NO.	
ROADWAY DESIGN ENGINEER	HYDRAULICS ENGINEER

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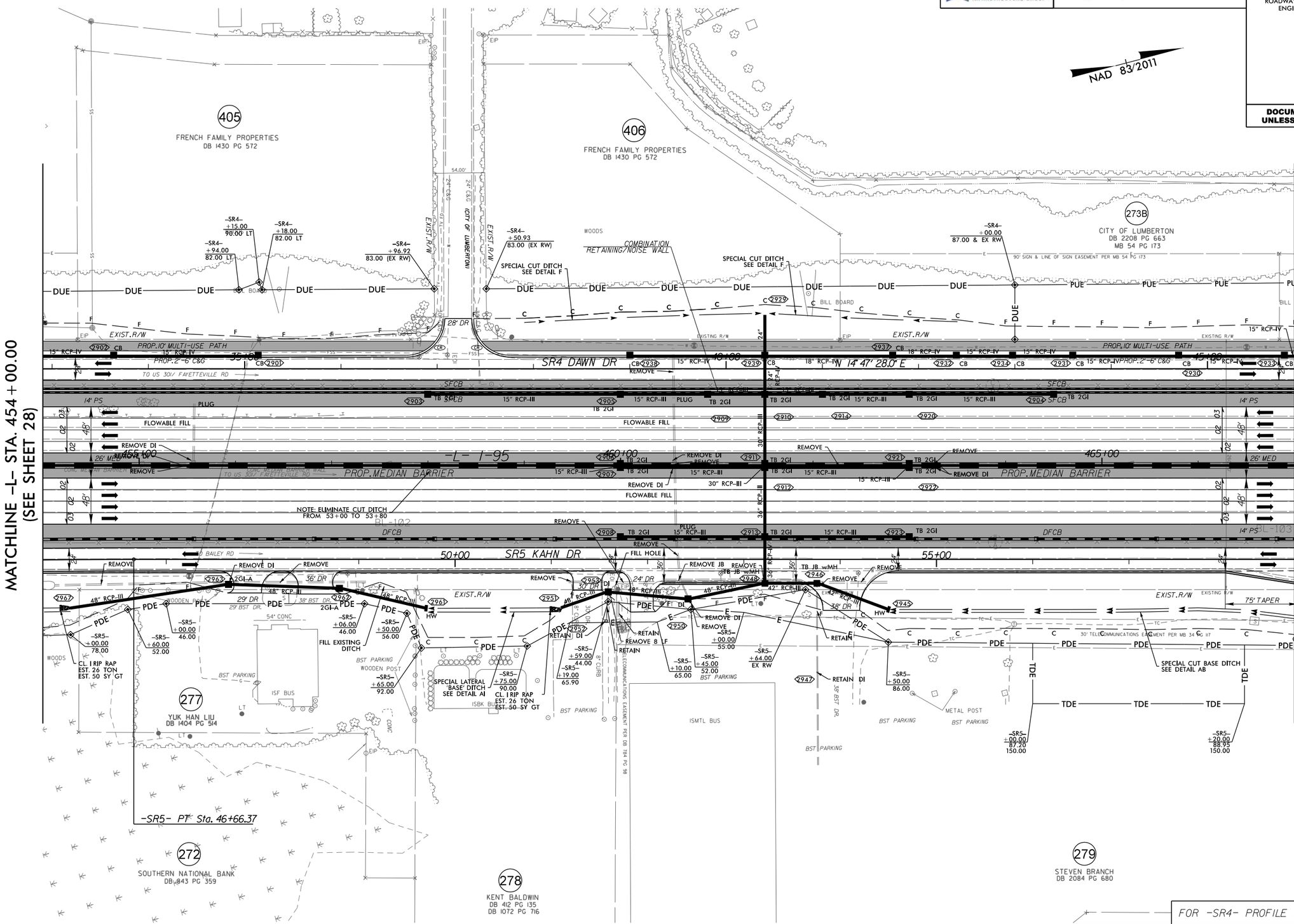

	FOR -SR4- PROFILE SEE SHTS.74 THRU 75
FOR -L- PROFILE SEE SHTS.52 THRU 53	FOR -SR5- PROFILE SEE SHTS.77 THRU 78

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FLATIRON UNITED INFRASTRUCTURE GROUP

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PROJECT REFERENCE NO.	SHEET NO.
I-6064/I-5879	30
R/W SHEET NO.	
ROADWAY DESIGN ENGINEER	HYDRAULICS ENGINEER

DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED

NAD 83/2011

MATCHLINE -L- STA. 467+00.00 (SEE SHEET 29)

MATCHLINE -L- STA. 480+00.00 (SEE SHEET 31)

-SR4- PC Sta. 55+00.00

-SR4- PRC Sta.56+94.77

-SR4- PT Sta.58+89.53

-SR4- +00.00 90.00 & EX RW

-SR4- +36.00 95.00

500' TAPER LT & RT

SR4 DAWN DR

N 14° 47' 28.0" E

SR5 KAHN DR

S 75° 12' 32.0" E

-Y7- POT Sta. 10+00.00

-SR5- POT Sta. 68+87.78

-Y7- POT Sta. 12+00.00

470+00 -L- I-95

475+00

480

50+00

55+00

60+00

65+00

70+00

407 FRENCH FAMILY PROPERTIES DB 1430 PG 572

273B CITY OF LUMBERTON DB 2208 PG 663 MB 54 PG 173

408 FRENCH FAMILY PROPERTIES DB 1430 PG 572

286 FRENCH FAMILY PROPERTIES DB 1430 PG 572

280 LUMBERTON CITY SCHOOL ADM. UNIT DB 488 PG 181

279 STEVEN BRANCH DB 2084 PG 680

281 WILLIAM GREENE DB 692 PG 686 MB 31PG 1

282 WHITEHALL INVESTORS LLC DB 1609 PG 31 MB 43 PG 96

283 EAGLES LANDING PROPERTIES LLC DB 1911PG 291 MB 48 PG 103

284 CHURON WINERY LLC DB 2141PG 46 MB 49 PG 2

285 LUMBEE RIVER ELECTRIC DB 1078 PG 16

287 STATE NC HIGHWAY PATROL DB 12C PG 82

FOR -L- PROFILE SEE SHT.53	FOR -SR5- PROFILE SEE SHT.78
	FOR -SR4- PROFILE SEE SHT.75

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PROJECT REFERENCE NO.	SHEET NO.
I-6064/I-5879	31
R/W SHEET NO.	
ROADWAY DESIGN ENGINEER	HYDRAULICS ENGINEER

DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED

NAD 83/2011

END TIP PROJECT I-6064
-L- POT Sta. 488+46.78

TIE TO TIP PROJECT I-5987A
-L- POT Sta. 67+00.00

MATCHLINE -L- STA. 480+00.00
(SEE SHEET 30)

AIMEE M. BATSON 403
DB 2228 PG 637
MB 39 PG 4

402
JOEY HUCKS
ATHENA HUCKS
DB 664 PG 737
MB 39 PG 4

401
CITY OF LUMBERTON
DB 1843 PG 177 MB 39 PG 4

286
FRENCH FAMILY PROPERTIES
DB 1430 PG 572

293
FRENCH FAMILY PROPERTIES
DB 1430 PG 572
MB 39 PG 4

(1)
SOUTHEASTERN REGIONAL MEDICAL CENTER
DB 1867 PG 68
MB 47 PG 144

PROPOSED ROW TO BE PURCHASED UNDER NCDOT PROJECT I-5987A

TRANSITION FROM COMBINATION RETAINING/NOISE WALL 16 TO DOUBLE FACE SINGLE SLOPE BARRIER AND CURB AND GUTTER.

-SR4- POT Sta. 67+37.18

-L- PC Sta. 484+00.00

-L- PRC Sta. 485+38.00

-L- PT Sta. 486+75.99

SPECIAL CUT BASE DITCH SEE DETAIL AK

COMBINATION RETAINING/NOISE WALL

500' TAPER LT & RT

CL. I RIP RAP EST. 20 TON EST. 39 SY GT

DA=11 Ac Q10=29 cfs HW/D=1.13

CL. B RIP RAP EST. 15 TON EST. 34 SY GT

DITCH CLEANOUT SEE DETAIL AF 10' BASE 3:1 SIDES 0.0% GRADE DDE=325 CY

PIPE OUTLET AND DITCH TO BE CONSTRUCTED UNDER PROJECT I-5987A.

DO NOT DISTURB BILLBOARD

BILL BOARD

REMOVE

PROP.10' MULTI-USE PATH

PROP.2'-6" C&G

N 14° 47' 28.0" E SR4 DAWN DR

-L- I-95

PROP.MEDIAN BARRIER

SR5 KAHN DR

-SR5- PC Sta. 76+00.00

-SR5- PRC Sta. 77+06.09

-SR5- PT Sta. 78+12.19

-SR5- POT Sta. 80+18.65

212.19' TAPER RT

100' TAPER LT & RT

-SR6-

-SR7-

10' CONC. MUP

2'-6" CURB & GUTTER

4" CONC. COVER SINGLE SLOPE CONC. BARRIER

PROP. SINGLE SLOPE CONC. BARRIER

RETAIN EXISTING C&G

NOTE: PLACE CB AT SAME LOCATION AS BLIND JB AND CONNECT 6" PIPE FROM DI

RETAIN DI, DI GOES TO A BLIND JB

SPECIAL CUT DITCH SEE DETAIL F

(2) NO CLAIM

(3) NO CLAIM

287
STATE NC HIGHWAY PATROL
DB 12C PG 82

288
REENA PATEL
DB 1925 PG 608

289
REENA PATEL
DB 1916 PG 298

290
NOBLE INVSTMENT AND DEVELOPMENT LLC
DB 1958 PG 854

LUMBERTON INVESTORS LLC
DB 1672 PG 316
MB 44 PG 65

CASHMAN & HOBBES LLC
DB 1990 PG 466
MB 44 PG 65

ISBK BUS

ISBLK BUS

ISFBUS

FOR -L- PROFILE SEE SHT.53	FOR -SR5- PROFILE SEE SHTS.78 THRU 79
	FOR -SR4- PROFILE SEE SHTS.75 THRU 76

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Phone: 803-822-0333
License #: P-0999

PROJECT REFERENCE NO.	SHEET NO.
I-6064/I-5879	32
R/W SHEET NO.	
ROADWAY DESIGN ENGINEER	HYDRAULICS ENGINEER

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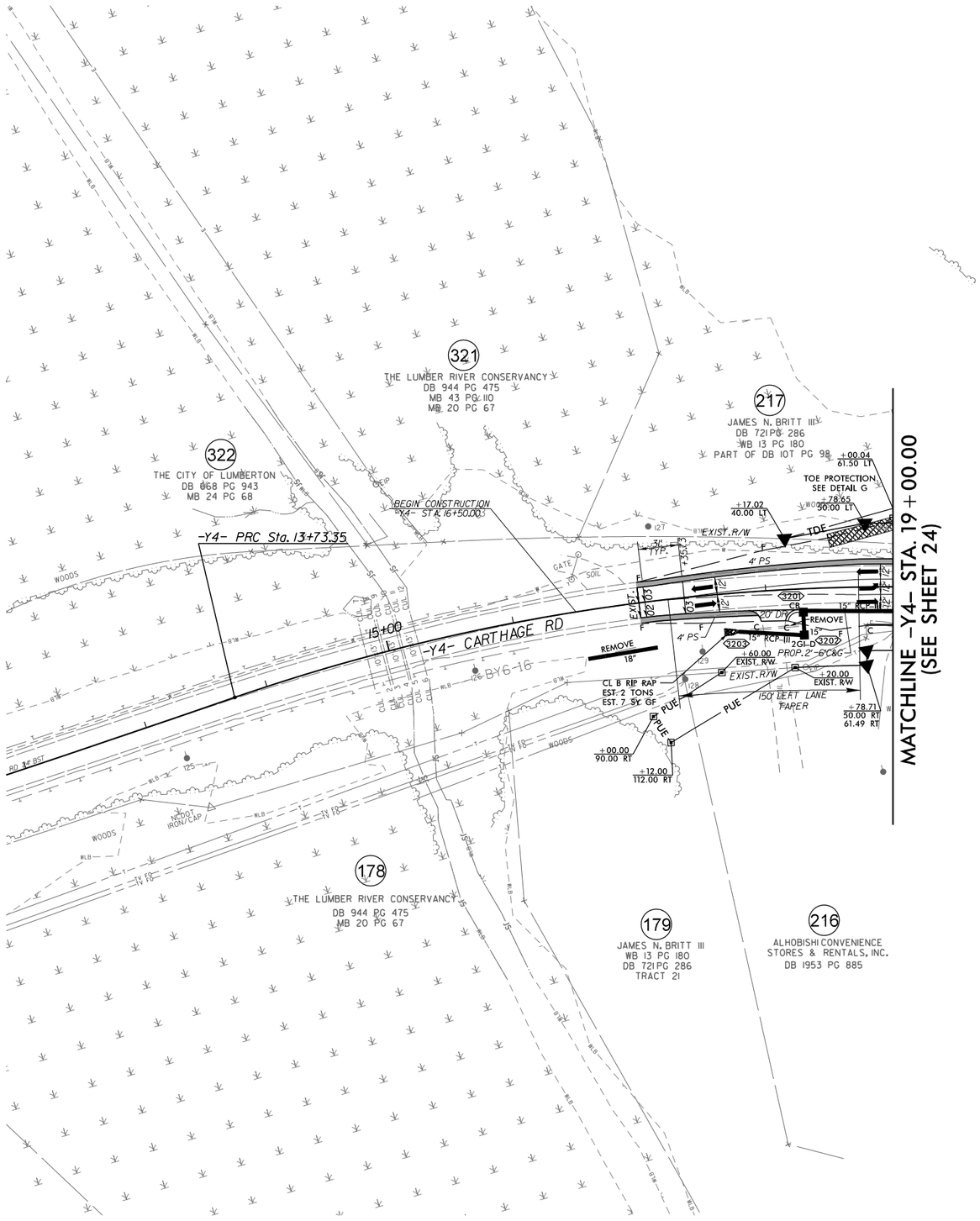
NAD 83/2011



R/W LABELED OFF -Y4- UNLESS NOTED OTHERWISE.

FOR -Y4- PROFILE SEE SHT.59

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PROJECT REFERENCE NO.	SHEET NO.
I-6064/I-5879	33
R/W SHEET NO.	
ROADWAY DESIGN ENGINEER	HYDRAULICS ENGINEER

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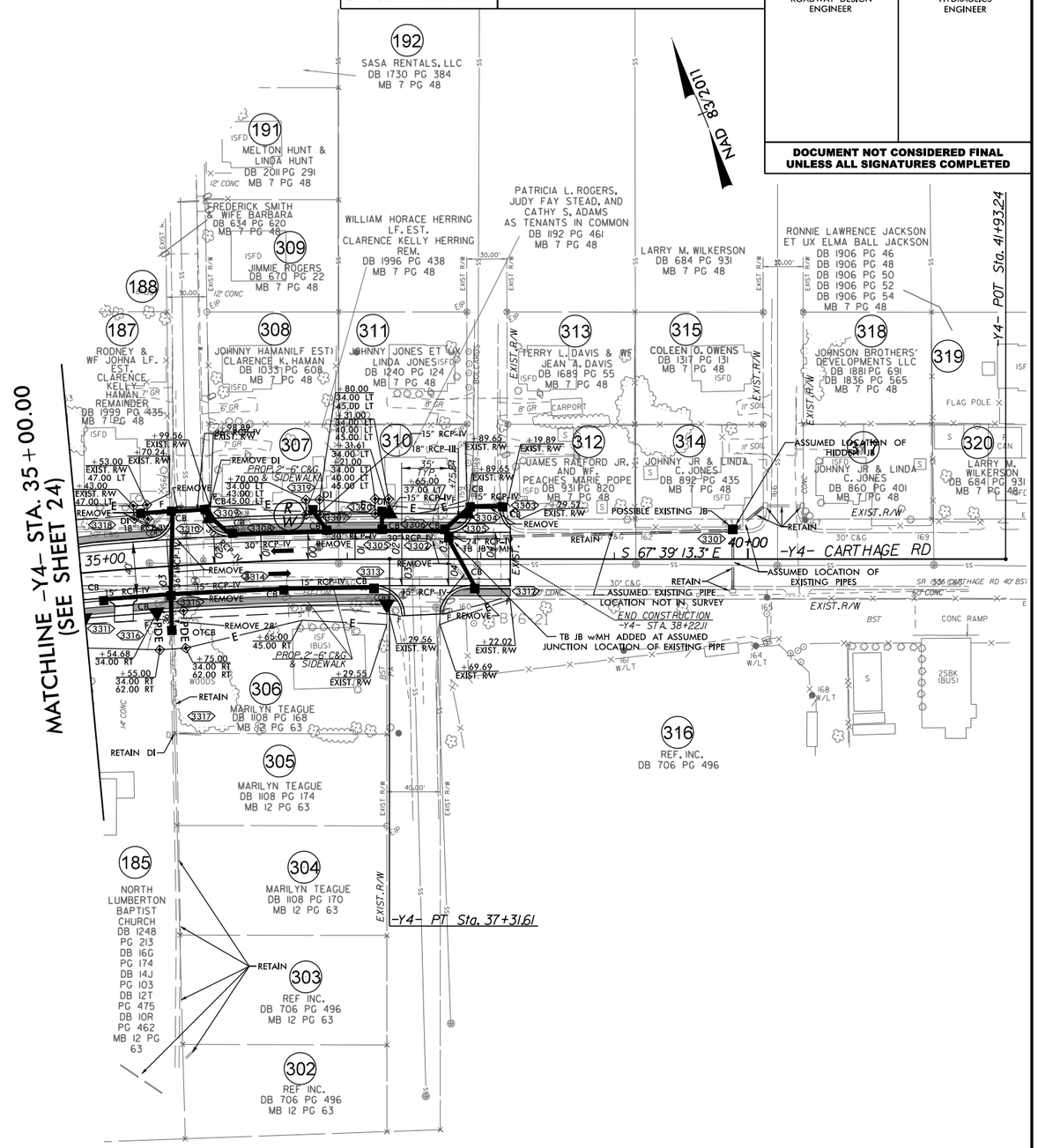

R/W LABELED OFF -Y4- UNLESS NOTED OTHERWISE.	FOR -Y4- PROFILE SEE SHT.59

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FLATIRON UNITED INFRASTRUCTURE GROUP

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License #: F-0377

PROJECT REFERENCE NO.	SHEET NO.
I-6064/I-5879	34
RW SHEET NO.	
ROADWAY DESIGN ENGINEER	HYDRAULICS ENGINEER

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NAD 83/2011

MATCHLINE -SR4- STA. 13+00.00 (SEE SHEET 27)

MATCHLINE -Y5- STA. 26+00.00 (SEE SHEET 27)

MATCHLINE -SR1- STA. 75+30.00 (SEE SHEET 27)

-Y5- POT Sta. 13+00.00

Y5 N ROBERTS AVE 15+00

BEGIN CONSTRUCTION -Y5- STA. 17+58.00

340 CITY OF LUMBERTON
DB 14R PG 295
DB 17R PG 253
DB 14J PG 284
DB 14S PG 266

339 EUGENE LOCKLEAR
DB 630 PG 264

338 ASHAPURA LODGING LLC
DB 1454 PG 783
25 STUCO MOTEL

262 BHARAT PATEL
DB 2018 PG 669
MB 41PG 72

263 SITU93 INC
DB 1672 PG 536
ISBLK MOTEL

260 NEESHI CONSTRUCTION LLC
DB 2074 PG 360
MB 42 PG 61

259 45BLK MOTEL
HARISH AMIN
DB 2015 PG 64
MB 42 PG 61

217 JAMES N. BRITT III
DB 721PG 286
WB 13 PG 180
PART OF DB 101 PG 98

337 ALBERTO FLORES
DB 1598 PG 333

258 SHAH, AMIN & ZOTA PARTNERSHIP
DB 2077 PG 9
MB 47 PG 53

INLET CHANNEL CL I RIP RAP EST. 50 TON EST. 85 SY GF SEE DETAIL AW

CLEANOUT CULVERT 650 CY OF MATERIAL

OUTLET CHANNEL CL I RIP RAP EST. 42 TON EST. 70 SY GF SEE DETAIL AX

CL B RIP RAP EST 3 TON EST 10 SY GF

CL B RIP RAP EST 1 TON EST 5 SY GF

SPECIAL BACK OF CURB CUT DITCH SEE DETAIL AE

-Y5- +34.00 105.00
-Y5- +98.00 EX RW 82.00
-Y5- +00.00 EX RW
-Y5- +85.00 65.00
-Y5- +93.37 54.00
-Y5- +58.00 EX RW
-Y5- +58.00 127.00
-Y5- +57.00 EX RW
-Y5- +18.00 150.00
-Y5- +70.00 END CA
-Y5- +50.00 65.00
-SR4- +38.15 EX RW
-Y5- +88.52 54.00
-Y5- +10.00 75.00
-Y5- +07.91 EX RW END CA
-SR1- +20.00 EX RW
-SR1- +85.00 86.00
-SR1- +72.00 71.00
-SR1- +70.00 83.00
-SRI- +36.00 56' LT

-SR4- PT Sta. 11+73.99
-SR4- PC Sta. 10+30.00
-SR4- POT Sta. 10+00.00
-Y5- POT Sta. 24+45.00
-Y5- POT Sta. 24+46.74
-SRI- POT Sta. 77+91.51
-SRI- PT Sta. 76+96.82
-Y5- POT Sta. 25+20.00
-Y5EB- PC Sta. 25+20.00, 30' RT.
-Y5RPB- PT Sta. 26+83.19, 33' RT.
-SRI- PC Sta. 76+11.98
-Y5WB- PC Sta. 25+87.18= -Y5- POT Sta. 25+87.18 18' LT.

SR4 DAWN DR
SR1 LACKEY ST
N 50° 32' 44.4" E
N 30° 27' 41.8" W
350' TAPER
150' TAPER
245' TAPER
112.6' TRANSITION
R=75'
PROP. RW
EXIST. R/W
PROP. 2'-6" C&G
PROP. 10' MULTI-USE PATH
END WW FENCE -Y5- +54.00 100' RT.
END WW FENCE -SRI- +30.00 15' RT
END WW FENCE -SRI- +93.80
Y5EB
Y5RPB
BY7-79
ISF BUS
SHRUBS
BILL BOARD
CANOPY
BEGIN CHL FENCE
DUE

FOR INTERSECTION DETAILS SEE SHT.2B-5 & 2B-6	FOR -SRI- PROFILE SEE SHT.71
FOR -Y5- PROFILE SEE SHT.63	FOR -SR4- PROFILE SEE SHT.74

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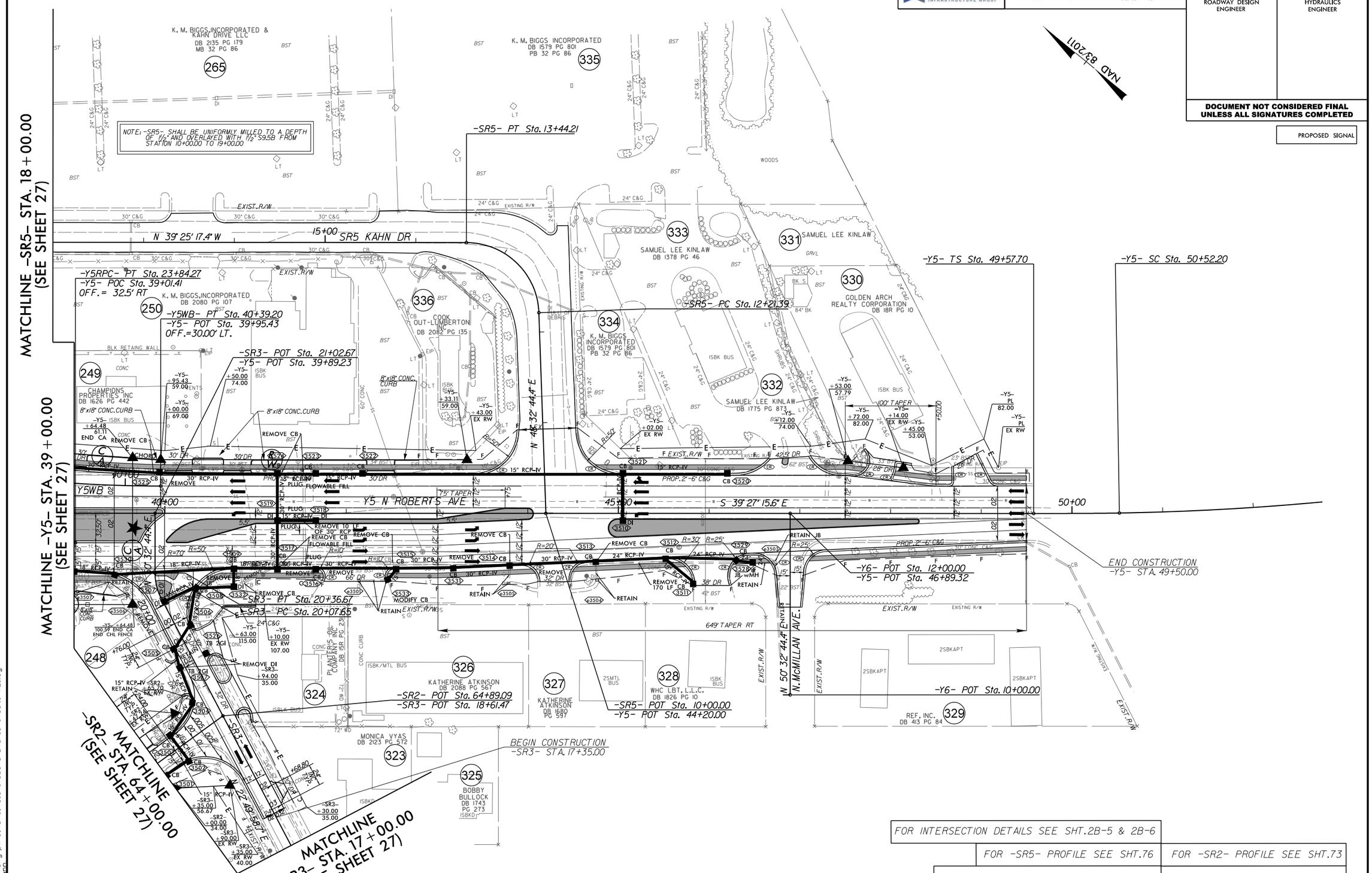
PROJECT REFERENCE NO.	SHEET NO.
I-6064/I-5879	35
R/W SHEET NO.	
ROADWAY DESIGN ENGINEER	HYDRAULICS ENGINEER

DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED

PROPOSED SIGNAL



FOR INTERSECTION DETAILS SEE SHT.2B-5 & 2B-6	
FOR -SR5- PROFILE SEE SHT.76	FOR -SR2- PROFILE SEE SHT.73
FOR -Y5- PROFILE SEE SHTS.63 THRU 64	FOR -SR3- PROFILE SEE SHT.73
FOR -Y5RPC- PROFILE SEE SHT.66	

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