Transportation

PAT McCRORY
Governor

NICHOLAS J. TENNYSON
Secretary

March 1, 2016

N.C. Department of Environmental Quality
Winston Salem Regional Office
450 West Hanes Mill Road, Suite 300
Winston Salem, NC 27105

ATTENTION: Mr. David Wanucha
NCDOT Division 7 Project Coordinator

SUBJECT: **Application for the Modification to the Section 401 Individual Water Quality Certification and Randleman Lake Buffer Authorization** for proposed widening from SR 1003 (North Main Street) and SR 1820 (Skeet Club Road) to NC 68 in High Point, Guilford County, Division 7, Federal Aid Project No. STP-1820(2), TIP No. U-3615B, Debit $570.00 from WBS Element No. 34962.1.1

REFERENCE:
1) Section 404 Individual Permit, issued September 20, 2013, USACE Action ID SAW-1999-21179
2) Section 401 Individual Water Quality Certification and Randleman Buffer Authorization, issued August 29, 2013, NCDENR-DWQ Water Quality Certification Project No. 2013-0477
3) Modification of Section 401 Individual Water Quality Certification and Randleman Buffer Authorization, issued December 9, 2014, NCDENR-DWQ Water Quality Certification Project No. 2013-0477

Dear Sir:

The North Carolina Department of Transportation (NCDOT) proposes to widen and improve Skeet Club Road to a multi-lane facility from SR 1003 (North Main Street) and SR 1820 (Skeet Club Road) between US 311 to NC 68 and reconfigure the intersection at North Main Street and Skeet Club Road in High Point. The project is subject to the Randleman Buffer Basin Rules as per North Carolina Division of Water Resources. Therefore, a permit modification is requested for utility buffer impacts that occur as a result of placement of utility poles and/or aerial lines in buffered areas that are outside of buffer areas already impacted by hydraulic conveyances. There are five sites that have been identified.

The Utility Permit Plan Package is attached. Utility Permit Sites 1 – 5 are located on plan sheets 4, 5, and 10. Additional Permit Plan Sheets have been included with this request to show where utilities occur in previously permitted jurisdictional areas. A letter from the North Carolina Division of Mitigation Services for buffer mitigation for Sites 1-4 is also attached. Site 5 does not require mitigation.

Randleman River Basin Buffer Utility Impacts

Table 1. U-3615B Utility Buffer Impacts

Impact Types: Utility-Overhead Electric Line Other than Perpendicular / Utility – Non-electric Line Other than Perpendicular						
Buffer Zone	**UTL 1**	**UTL 2**	**UTL 3**	**UTL 4**	**UTL 5**	**Total Impacts**
Zone 1 (ft^2) (Allowable with Mitigation)	677	2603	245	479	0	4004
Zone 2 (ft^2) (Allowable)	635	4393	2152	2287	213	9680

With the exception of Sites 1- 5 all other Utility Buffer Impacts were either located in areas impacted by hydraulic conveyance impacts or were exempt due to the perpendicular position of aerial line placement. These impacts were not addressed in the original permit due to these utilities occurring within the hydraulic conveyance buffer impact areas. See Table 2 below for the locations of utilities that occur in buffered areas impacted by hydraulic conveyances or that were exempt under the Randleman Buffer Basin Rules.

Table 2. U-3615B Utility Buffer Impact Locations

Hydraulic Site No.*	**Station –L-**	**Utility Structure**
1	170+06/172+39	Aerial Lines
2	177+99/187+30 -LT	Aerial Line/Poles
2A	187+45/196+55 - LT	Aerial Lines/Pole
3	197+50/205+22 - LT	Aerial Lines/Pole
3A	198+75/200+23 - RT	Aerial Line
3B	208+02/209+14 - RT	Aerial Lines
Exemptions		
5	230+44/232+87 – RT	Aerial Lines
6	237+00/239+88 - RT	Aerial Lines
8	265+24/266+91- RT	O/H Telephone

*Site numbers are from the Permit Application Permit Plans, April 2013.

Mitigation

Table 3. U-3615B Buffer Impact – Zone 1 (ft^2)

Mitigation	2014* Zone 1 Impacts	New Zone 1 Impacts	New Zone 1 Total
Allowable	36,226	0	36,226
Mitigable	96,291	4,004	100,295
Buffer Impact Totals	**132,517**	**4004**	**136,521**

* 2014 Impacts are from NCDWR 401 Permit Modification issued December 2014.

The Allowable amount of buffer impacts for Zone 2 did change from the December, 2014 401 Individual Permit Modification. However, the Mitigable impacts for Zone 2 did not change (Table 4).

Table 4. U-3615B Buffer Impact – Zone 2 (ft^2)

Mitigation	2014* Zone 2 Impacts	New Zone 2 Impacts	New Zone 2 Total
Allowable	20,327	9,680	30,007
Mitigable	56,625	0	56,625
Buffer Impact Totals	**76,952**	**9,680**	**86,632**

* 2014 Impacts are from NCDWR 401 Permit Modification issued December 2014.

Regulatory Approvals

Application is hereby made for a modification to the Section 401 Individual Water Quality Certification from the Division of Water Resources. A courtesy copy will be provided to Mr. David Bailey of the U.S. Army Corps of Engineers.

A copy of this permit application will be posted on the NCDOT Website at https://connect.ncdot.gov/resources/Environmental/Pages/default.aspx. A copy of the CE is also

available at the above website address. Thank you for your assistance with this project. If you have any questions or need additional information, please contact Deanna Riffey at driffey@ncdot.gov or (919) 707-6151.

Sincerely,

for Richard W. Hancock, P.E., Manager
Project Development and Environmental Analysis Unit

cc: NCDOT Permit Application Standard Distribution List

Environmental Quality

PAT MCCRORY
Governor

DONALD R. VAN DER VAART
Secretary

February 26, 2016

Mr. Richard Hancock, P.E.
Project Development and Environmental Analysis Unit
North Carolina Department of Transportation
1548 Mail Service Center
Raleigh, North Carolina 27699-1548

Dear Mr. Hancock:

Subject: Mitigation Acceptance Letter:

TIP Number U-3615B, SR 1820 (Skeet Club Road) from East of SR 1818 (Johnston Street) to West of NC 68 (Eastchester Drive), Guilford County

References: USACE 404 Individual Permit issued September 16, 2013 (USACE Action ID 1999-21179) and modification issued on December 15, 2014

NCDWR 401 Water Quality Certification 2013-0477 issued on August 29, 2013 and modification issued on December 8, 2014

The purpose of this letter is to notify you that the Division of Mitigation Services (DMS) will provide the additional buffer mitigation for the subject project. Based on the information supplied by you on February 25, 2016, the additional buffer impacts are located in CU 03030003 of the Cape Fear River Basin in the Central Piedmont (CP) Eco-Region, and are as follows:

Table 1 – Additional Impacts (feet / acres)

Cape Fear 03030003 CP	Stream			Wetlands			Buffer (Sq. Ft.)	
	Cold	Cool	Warm	Riparian	Non-Riparian	Coastal Marsh	Zone 1 (3:1)	Zone 2 (1.5:1)
Impacts (feet/acres)	0	0	0	0	0	0	14,542.0	6,092.0

These impacts and associated mitigation needs were not projected by the NCDOT in the 2016 impact data. DMS is currently providing stream, riparian wetland and buffer mitigation for the impacts associated with this project located in cataloging unit 03030003 of the Cape Fear River basin as required by the permits that were issued in August and September 2013 and permit modifications issued in December 2014, as shown in the below table (in mitigation credits):

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Table 2 – Current Permitted Impacts and Associated Mitigation Requirements provided by DMS (based on 2013 and 2014 permits) and Revised Anticipated Impacts (based on mitigation request)

Impact Type	Total Permitted Impacts (feet / acre / sq ft)	Mitigation Provided by DMS per Issued Permits (Credits)	Additional Impact (for approval)	Revised Total Impacts*
Stream	1,228.0	1,680.0	0	1,228.0
Riparian Wetland	0.81	1.62	0	0.81
Riparian Buffer – Zone 1	85,753.0	257,259.0	14,542.0	100,295.0
Riparian Buffer – Zone 2	50,533.0	75,800.0	6,092.0	56,625.0

This impact and associated mitigation need were under projected by the NCDOT in the 2016 impact data. DMS will commit to implement sufficient compensatory mitigation credits to offset the additional impacts associated with this project as determined by the regulatory agencies using the delivery timeline listed in Section F.3.c.iii of the In-Lieu Fee Instrument dated July 28, 2010. **This mitigation acceptance letter replaces the mitigation acceptance letter that was issued on August 20, 2013.**

If you have any questions or need additional information, please contact Ms. Beth Harmon at 919-707-8420.

Sincerely,

James B. Stanfill
Credit Management Supervisor

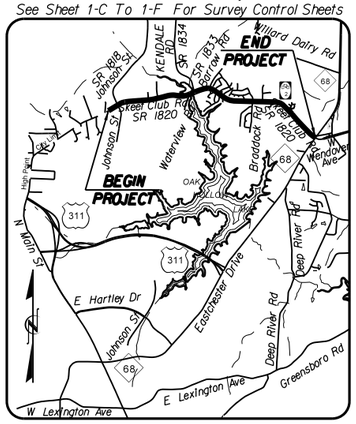
Cc: Mr. David Bailey, USACE – Raleigh Regulatory Field Office
Ms. Amy Chapman, NCDWR – Raleigh
Ms. Linda Fitzpatrick, NCDOT – PDEA
File: U-3615B Additional

09/08/99

TIP PROJECT: U-3615B

CONTRACT: C203256

See Sheet 1-A For Index of Sheets
See Sheet 1-B For Conventional Symbols
See Sheet 1-C To 1-F For Survey Control Sheets



VICINITY MAP

STATE OF NORTH CAROLINA
DIVISION OF HIGHWAYS

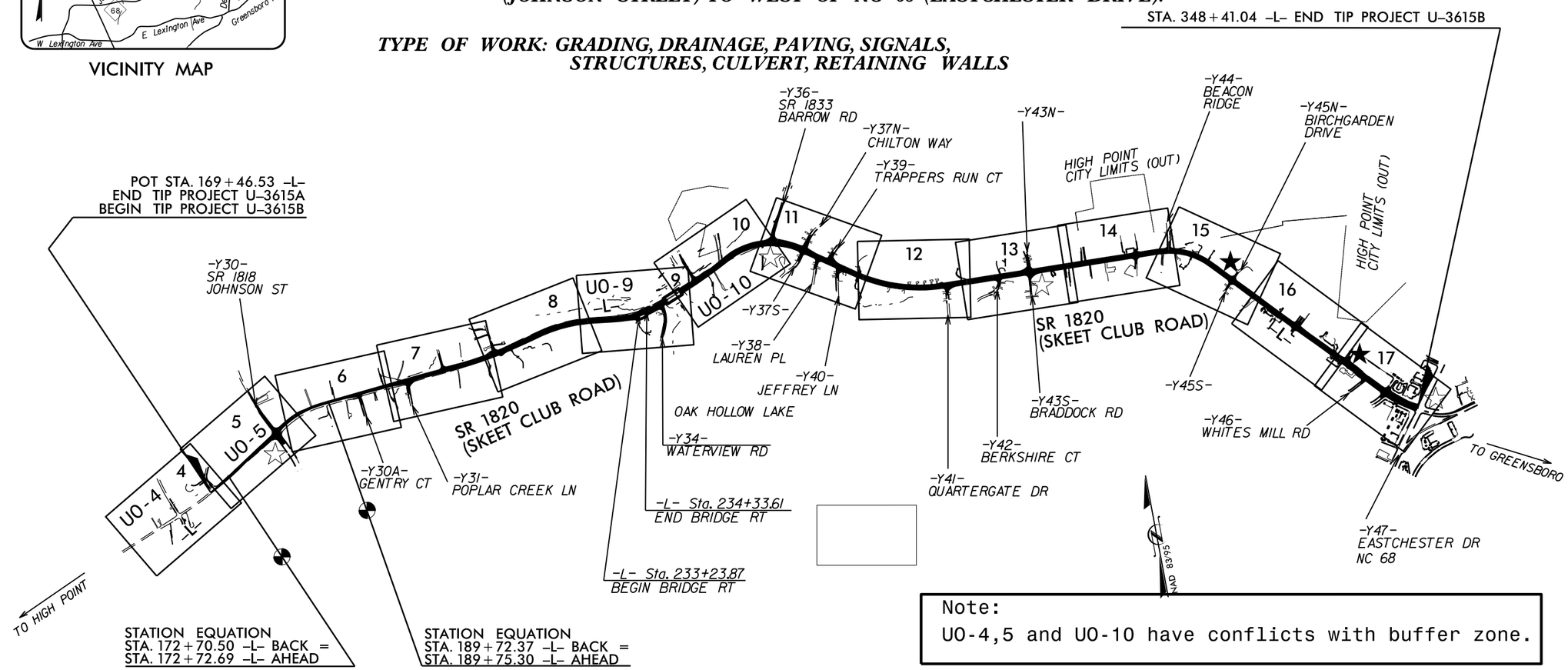
STATE	STATE PROJECT REFERENCE NO.	SHEET NO.	TOTAL SHEETS
N.C.	U-3615B	1	

STATE PROJ. NO.	F.A. PROJ. NO.	DESCRIPTION
34962.1.1	STP-1820(2)	P.E.
34962.2.3	STP-1820(5)	R/W, UTL.
34962.3.FD1	STP-1820(5)	CONST.

UTILITIES PERMIT DRAWING PLANS
GUILFORD COUNTY

LOCATION: HIGH POINT – SR 1820 (SKEET CLUB ROAD) FROM EAST OF SR 1818 (JOHNSON STREET) TO WEST OF NC 68 (EASTCHESTER DRIVE).

TYPE OF WORK: GRADING, DRAINAGE, PAVING, SIGNALS, STRUCTURES, CULVERT, RETAINING WALLS



Note:
U0-4,5 and U0-10 have conflicts with buffer zone.

GRAPHIC SCALES

50 25 0 50 100
PLANS

50 25 0 50 100
PROFILE (HORIZONTAL)

10 5 0 10 20
PROFILE (VERTICAL)

DESIGN DATA

ADT 2015 = 24540
ADT 2035 = 34700
K = 10 %
D = 60 %
T = 5 % *
V = 50 MPH
* (TTST =2%+ DUAL 3%)
FUNC CLASS =
URBAN MINOR ARTERIAL
SUBREGIONAL TIER

PROJECT LENGTH

LENGTH ROADWAY TIP PROJECT U-3615B = 3.326 MI
LENGTH STRUCTURE TIP PROJECT U-3615B = 0.062 MI
TOTAL LENGTH OF TIP PROJECT U-3615B = 3.388 MI

WETHERILL ENGINEERING

Prepared for the North Carolina Department of Transportation in the Office of:
559 JONES FRANKLIN ROAD
SUITE 164
Raleigh, N.C. 27606
License No. F-0377
Bus: 919 851 8077
Fax: 919 851 8107

2012 STANDARD SPECIFICATIONS

RIGHT OF WAY DATE: APRIL 27, 2009

LETTING DATE: JANUARY 20, 2015

NCDOT CONTACT:

EDWARD G. WETHERILL, PE
PROJECT ENGINEER

GREG S. PURVIS, PE
PROJECT DESIGN ENGINEER

BRENDA L. MOORE, PE
ROADWAY DESIGN: ENGINEERING COORDINATION SECTION PROJECT ENGINEER

HYDRAULICS ENGINEER

THIS DOCUMENT ORIGINALLY ISSUED AND SEALED BY
PAUL F. FISHER, PE ON
NAME OF SEALER DATE OF SEALING
THIS MEDIA SHALL NOT BE CONSIDERED A CERTIFIED DOCUMENT
P.E.
SIGNATURE:

ROADWAY DESIGN ENGINEER

THIS DOCUMENT ORIGINALLY ISSUED AND SEALED BY
GREG S. PURVIS, PE ON
NAME OF SEALER DATE OF SEALING
THIS MEDIA SHALL NOT BE CONSIDERED A CERTIFIED DOCUMENT
P.E.
SIGNATURE:

STATE OF NORTH CAROLINA DEPARTMENT OF TRANSPORTATION

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PROJECT REFERENCE NO.	SHEET NO.
U-3615B	UO-04

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UTILITY BY OTHERS

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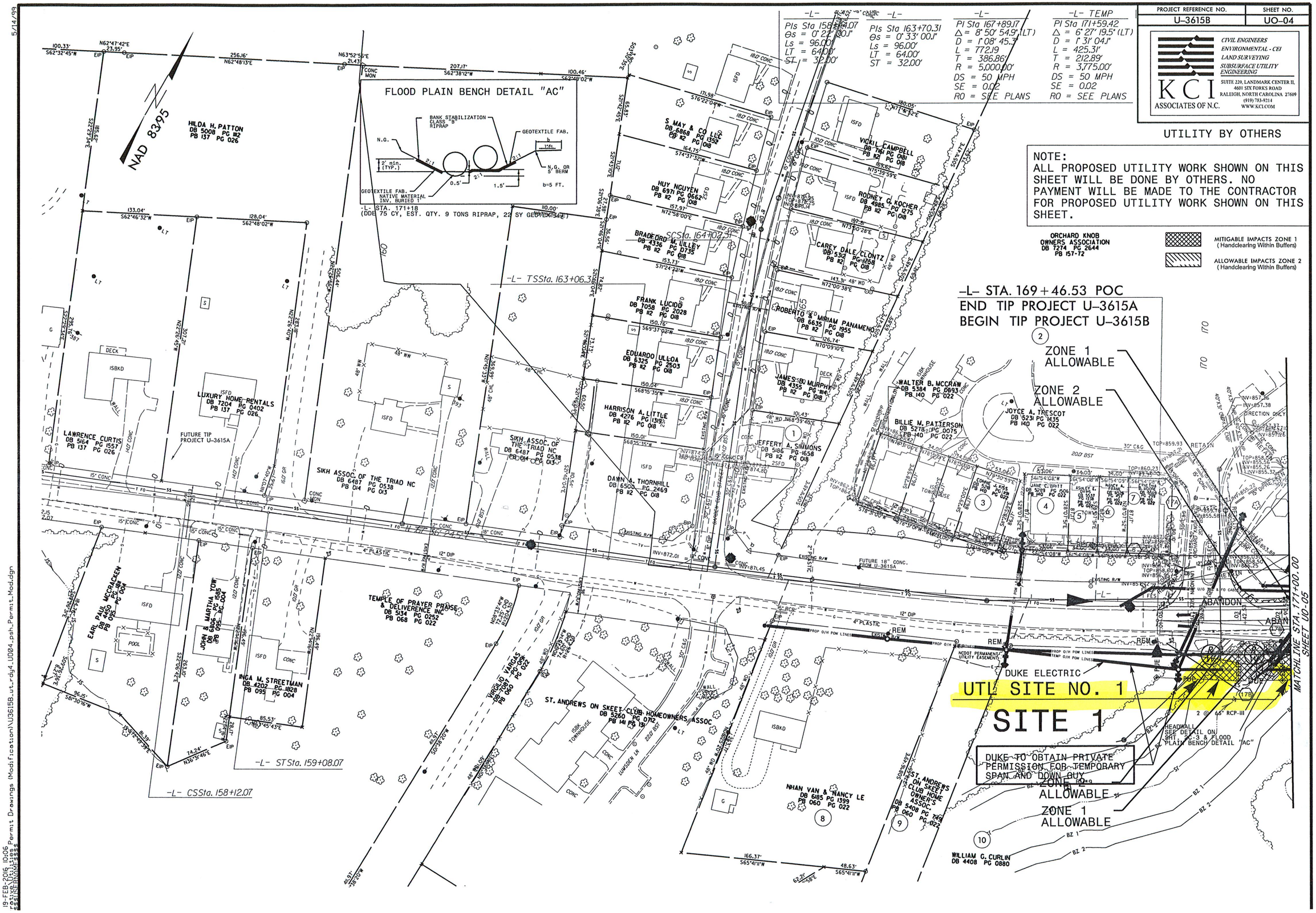
-L-	-L-	-L-	-L- TEMP
PIs Sta 158+[illegible].07	PIs Sta 163+70.31	PI Sta 167+89.17	PI Sta 171+59.42
Θs = 0° 22' 30.1"	Θs = 0° 33' 00.1"	Δ = 8° 50' 54.9" (LT)	Δ = 6° 27' 19.5" (LT)
Ls = 96.00'	Ls = 96.00'	D = 1° 08' 45.3"	D = 1° 31' 04.1"
LT = 64.00'	LT = 64.00'	L = 772.19	L = 425.31'
ST = 32.00'	ST = 32.00'	T = 386.86'	T = 212.89'
		R = 5,000.00'	R = 3,775.00'
		DS = 50 MPH	DS = 50 MPH
		SE = 0.02	SE = 0.02
		RO = SEE PLANS	RO = SEE PLANS



MITIGABLE IMPACTS ZONE 1 (Handclearing Within Buffers)

ALLOWABLE IMPACTS ZONE 2 (Handclearing Within Buffers)

5/14/99

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PROJECT REFERENCE NO.	SHEET NO.
U-3615B	UC5-05

R/W SHEET NO.

ROADWAY DESIGN ENGINEER — STRUCTURE DESIGN ENGINEER

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Fax: 919 851 8107
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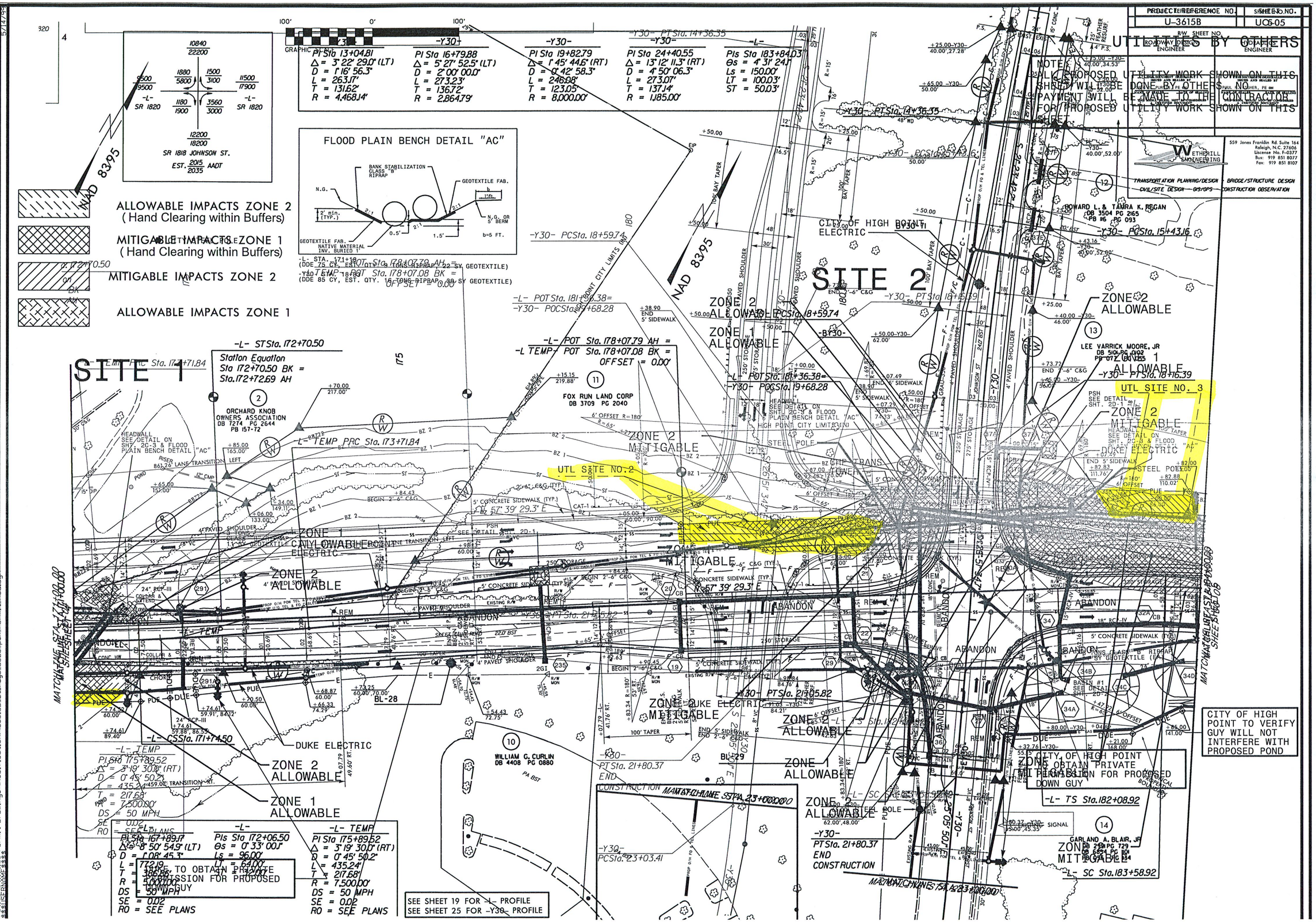
CIVIL/SITE DESIGN — GIS/GPS · CONSTRUCTION OBSERVATION



REVISIONS

REVISIONS

8/17/99
5/14/99

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U-3615B	UO-06

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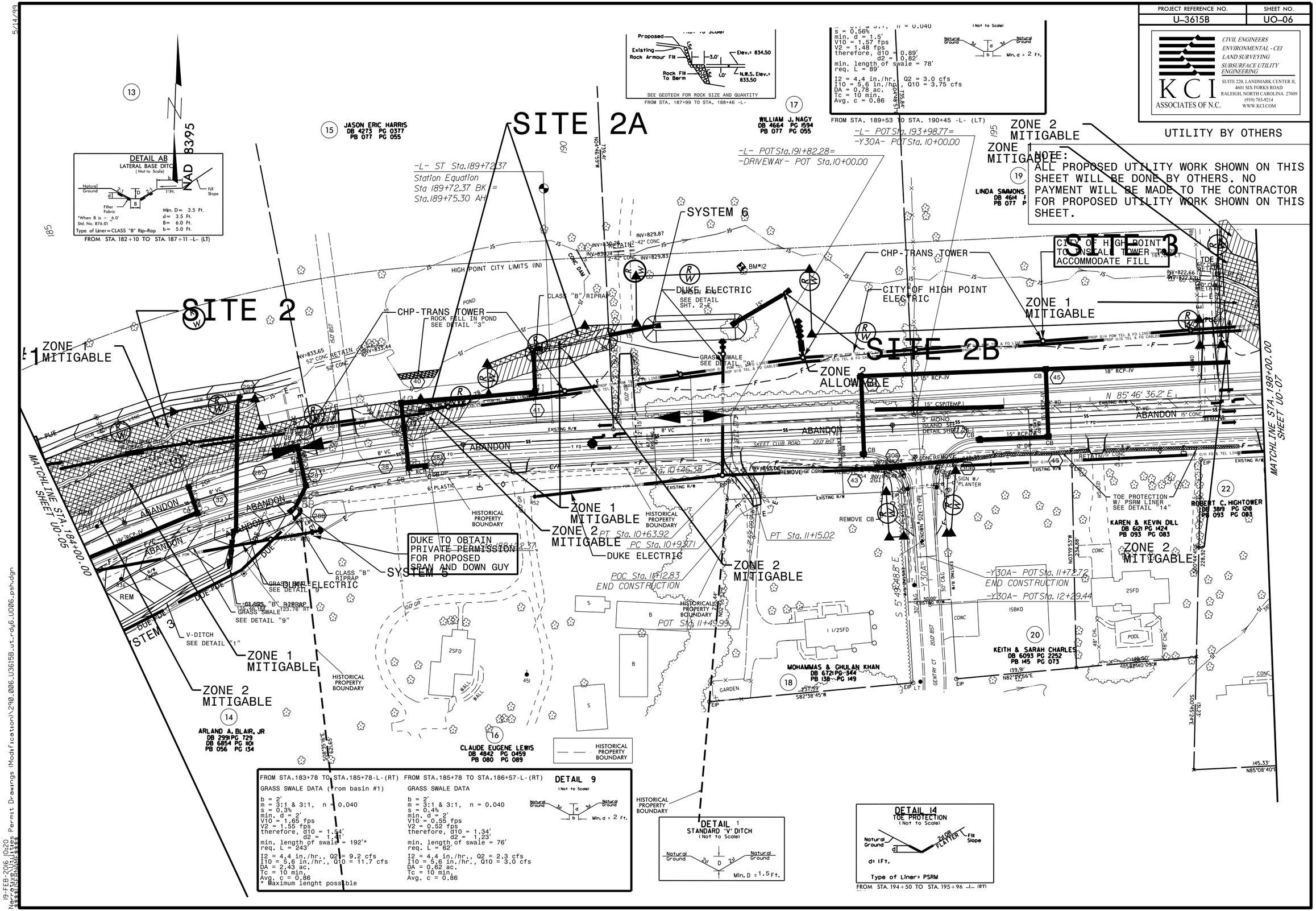

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PROJECT REFERENCE NO.	SHEET NO.
U-3615B	UO-07

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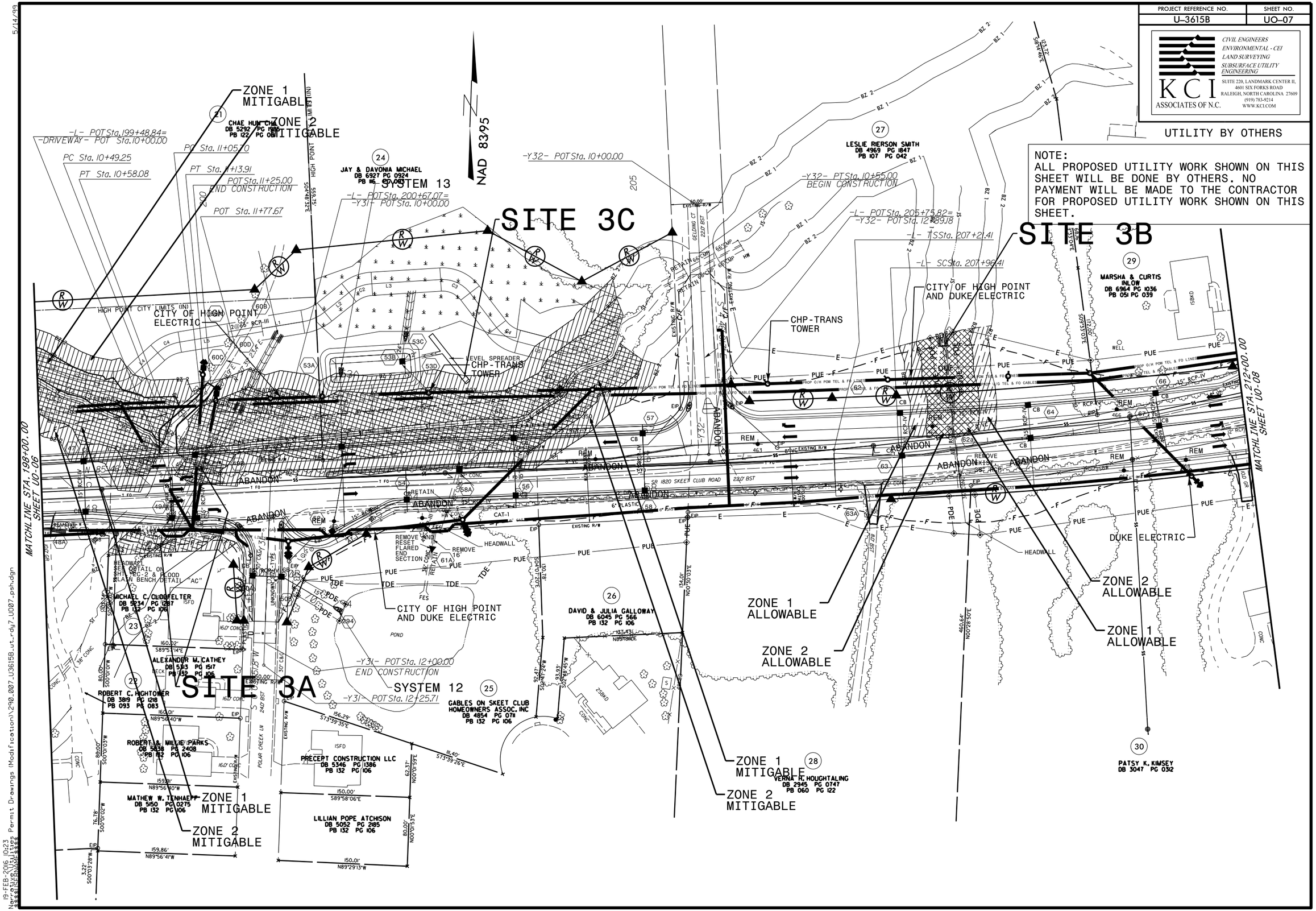

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U-3615B	UO-08

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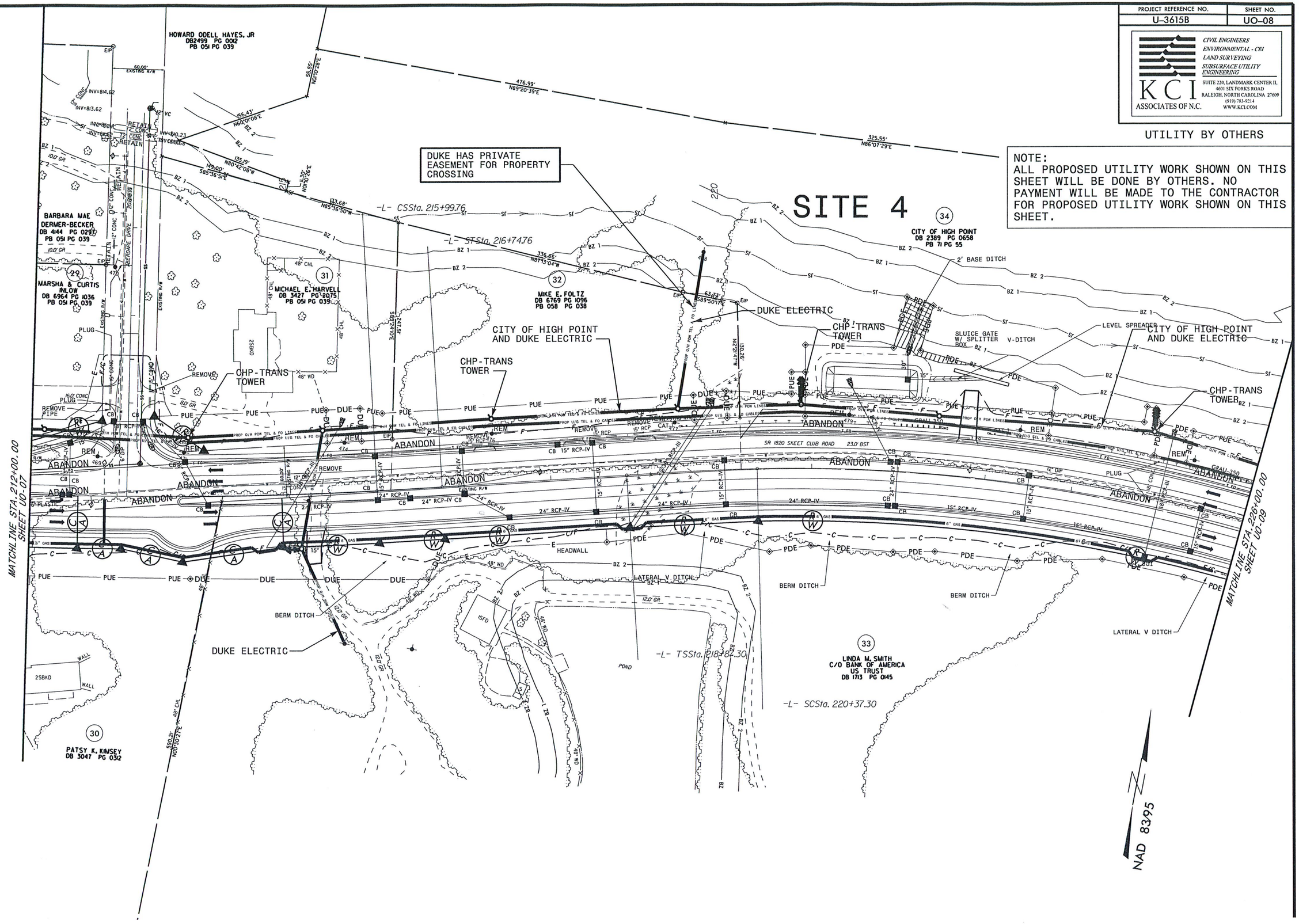

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U-3615B	UO-09

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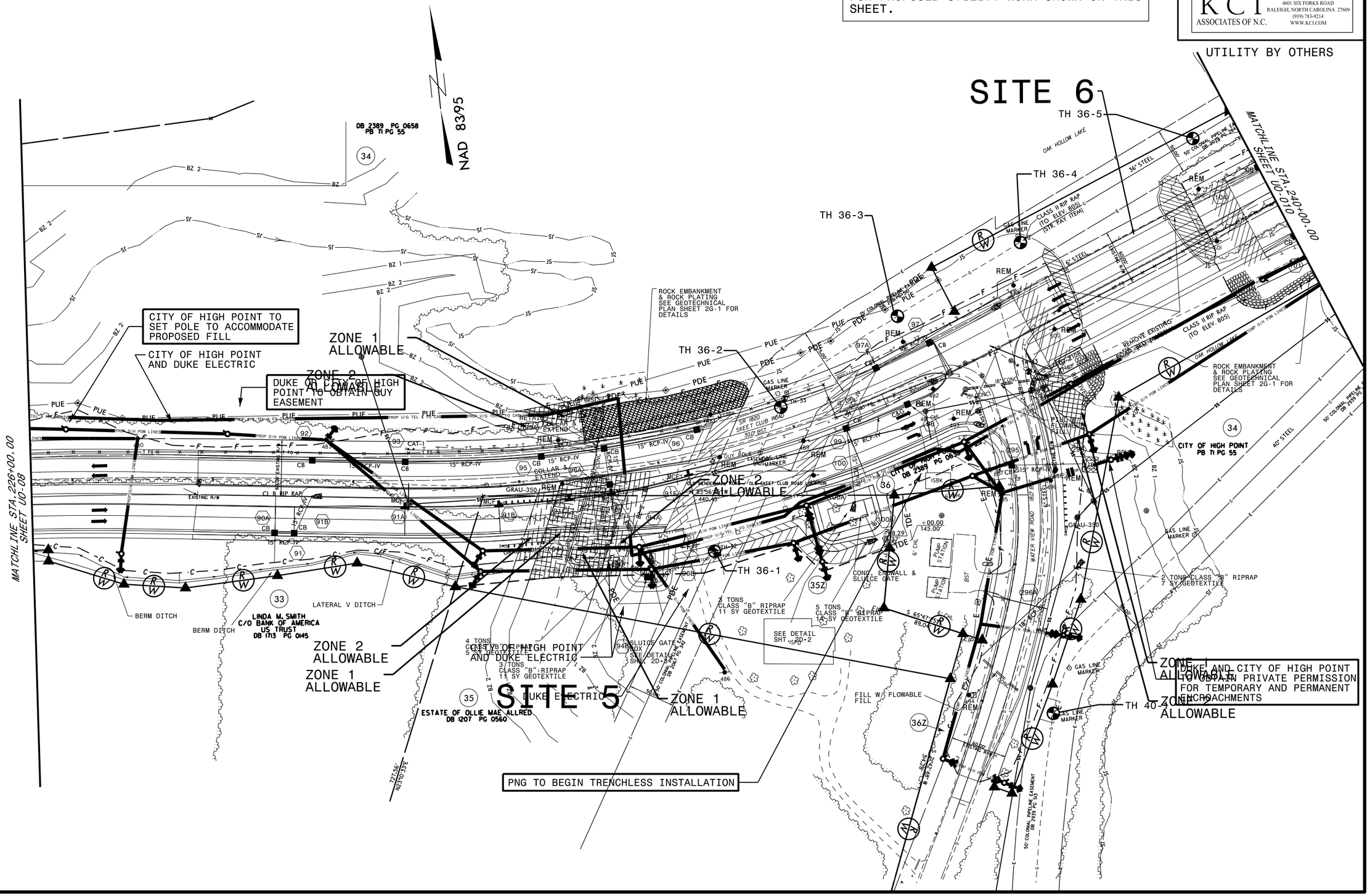

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U-3615B	UO-010

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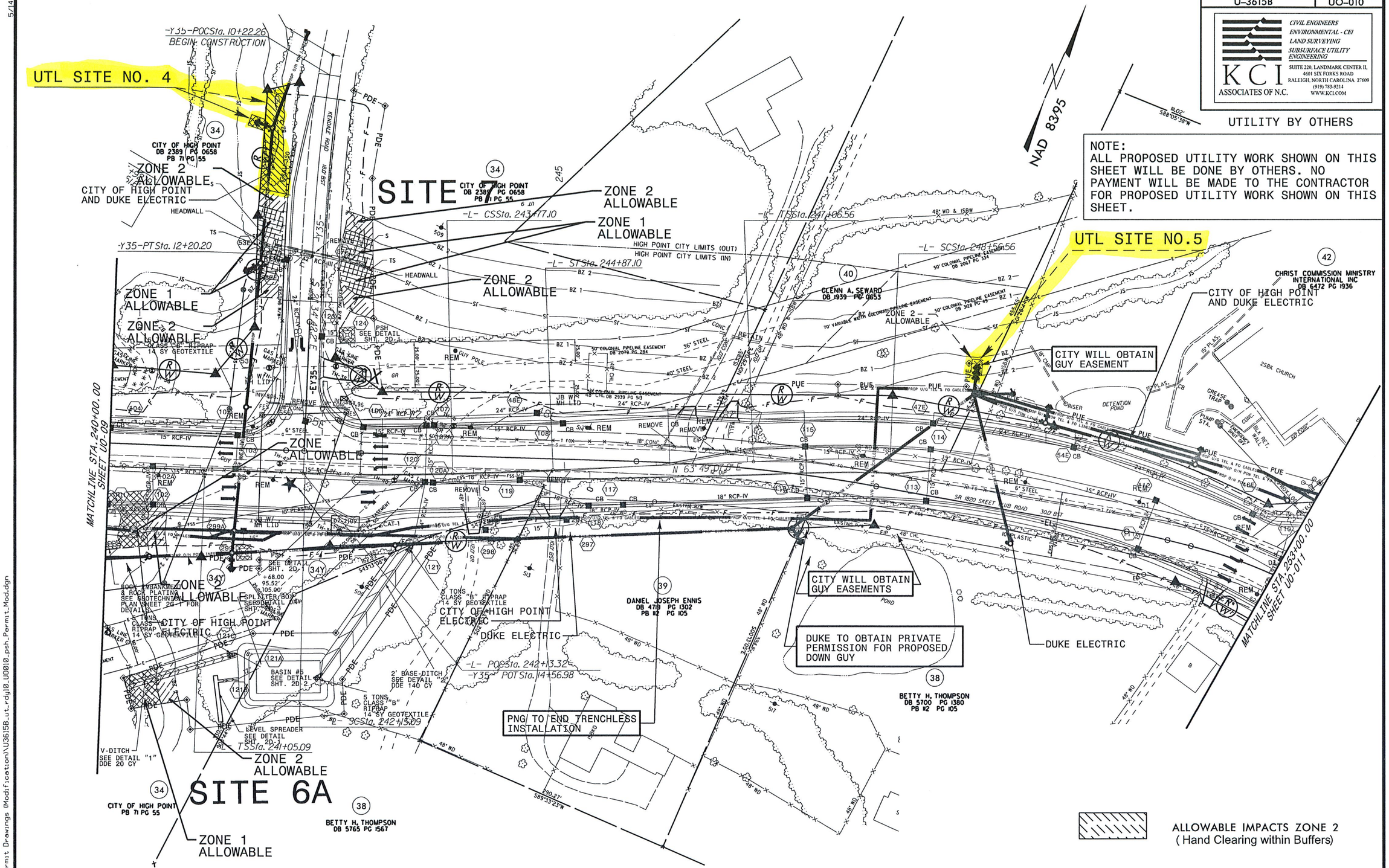

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U-3615B	UO-011

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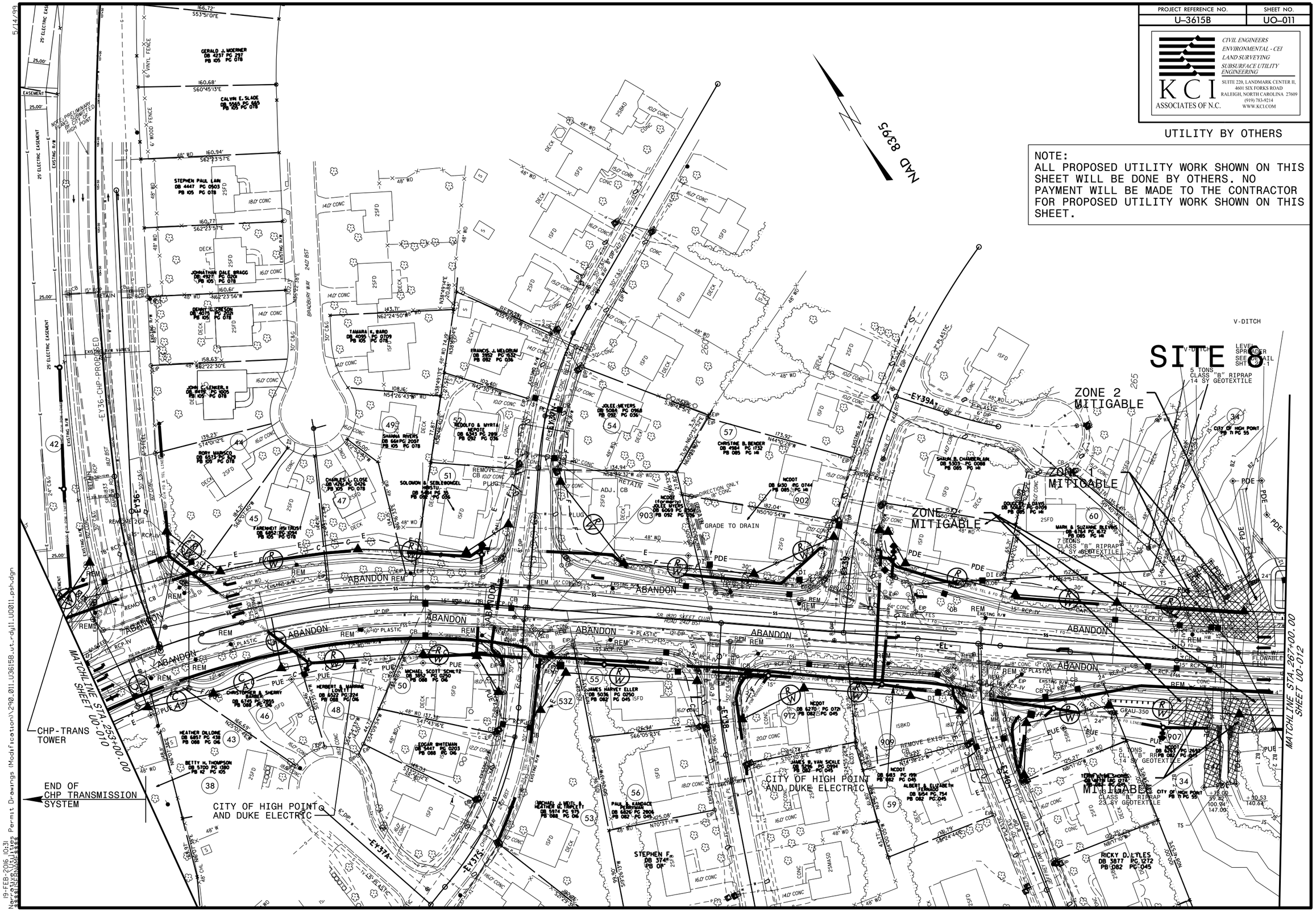
NAD 83/95
SITE 5
ZONE 2 MITIGABLE
ZONE 1 MITIGABLE
ZONE 3 MITIGABLE
ABANDON
CHP-TRANS TOWER
END OF CHP TRANSMISSION SYSTEM
CITY OF HIGH POINT AND DUKE ELECTRIC
MATCHLINE STA. 253+00.00 SHEET UO-010
MATCHLINE STA. 267+00.00 SHEET UO-012
BRADBURY WAY
GRADE TO DRAIN
V-DITCH
LEVEL SPREADER SEE DETAIL SHT UO-011
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7 TONS CLASS "B" RIPRAP 14 SY GEOTEXTILE
5 TONS CL. "B" RIPRAP 14 SY GEOTEXTILE
7 TONS CLASS "B" RIPRAP 23 SY GEOTEXTILE
FLOWABLE FILL
REMOVE EXIST. CB
GERALD J. MOERNER
CALVIN E. SLADE
STEPHEN PAUL LAIN
JONATHAN DALE BRAGG
DENNIS C. JENSON
TAMARA E. BARD
FRANCIS J. MELORUM
JOHN C. LENKER, II
SHANNA RIVERS
RODOLFO & MYRTA REPOTE
JOLEE MEYERS
CHRISTINE B. BENDER
RORY MARCOS
CHARLES L. CLOSE
SOLOMON & SEBLEWONGEL
NCDOT
SHARON B. CHAMBERLAIN
DOUGLAS L. DAVIS
MARK & SUZANNE BLEVINS
FAHRENHEIT 104 TRUST
MICHAEL SCOTT SCHULTZ
JAMES HARVEY ELLER
CHRISTOPHER & SHERRY ADAMS
HERBERT & MARIANNE LOVETT
HEATHER DILLONE
EDGAR WHITEMAN
BETTY H. THOMPSON
JAMES B. VAN SCOLE
ALBERT & ELIZABETH FUNDUK
MICHAEL J. VEUL, II
HEATHER L. TIMPLETT
PAUL & KANDACE BOWMAN
STEPHEN F.
RICKY D. LYLES
CITY OF HIGH POINT
EY36-CHP-PROPOSED
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EY37A
EY37B
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PROJECT REFERENCE NO.	SHEET NO.
U-3615B	UO-012

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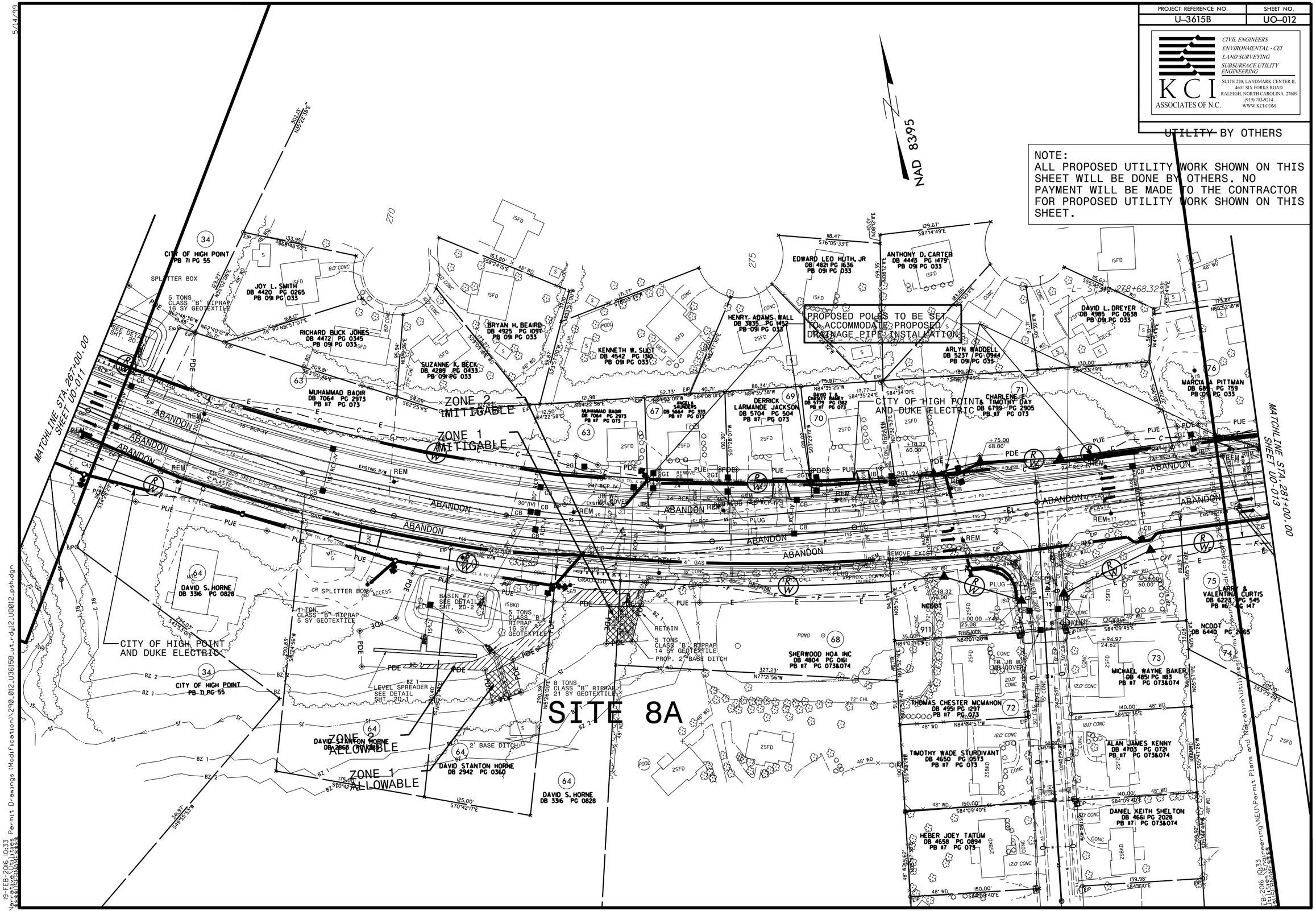

BUFFER IMPACTS SUMMARY

			IMPACT									BUFFER REPLACEMENT	
			TYPE			ALLOWABLE			MITIGABLE				
SITE NO.	STRUCTURE SIZE / TYPE	STATION (FROM/TO)	ROAD CROSSING	BRIDGE	PARALLEL IMPACT	ZONE 1 (ft^2)	ZONE 2 (ft^2)	TOTAL (ft^2)	ZONE 1 (ft^2)	ZONE 2 (ft^2)	TOTAL (ft^2)	ZONE 1 (ft^2)	ZONE 2 (ft^2)
UTL 1	Aerial Line	169+81 To 171+00					635		677				
UTL 2	Aerial Line	178+05 To 180+37					4393		2603				
UTL 3	Aerial Line	182+82 To 183.93					2152		245				
UTL 4	Aerial Line	241+54 To 241+86					2287		479				
UTL 5	Guy Wires	249+32 To 249+44					213						
TOTAL:						0.0	9680	0	4004	0.0	0.0		

N.C. DEPT. OF TRANSPORTATION
DIVISION OF HIGHWAYS

GUILFORD COUNTY
PROJECT: 34962.1.1 (U-3615B)

2/16/2016
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