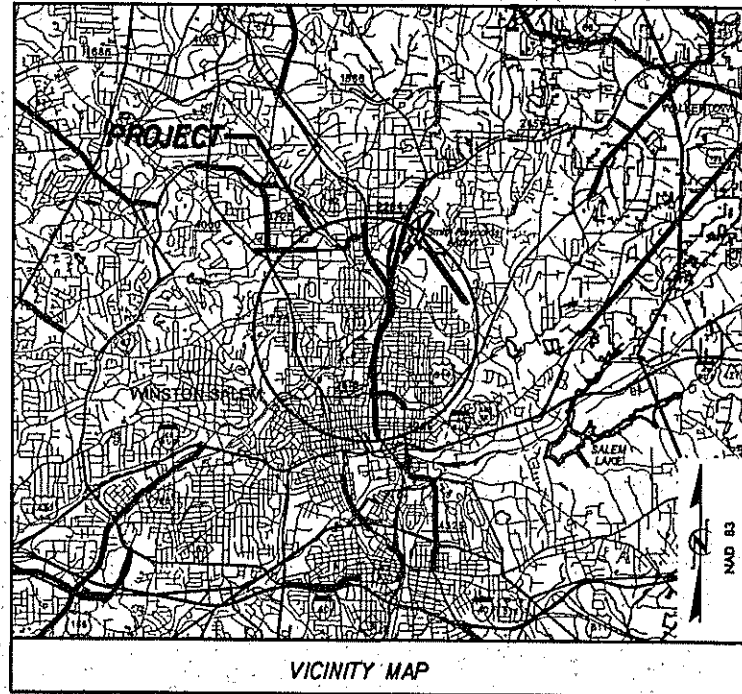


See Sheet 1-A For Index of Sheets
See Sheet 1-B For Conventional Plan Sheet Symbols



STATE OF NORTH CAROLINA DIVISION OF HIGHWAYS

FORSYTH COUNTY

LOCATION: US 52 FROM GREYHOUND COURT
TO SR 2264 (AKRON DRIVE), INCLUDING
MARTIN LUTHER KING, JR. DRIVE

2011018497 0
FORSYTH CO, NC FEE \$81.00
PRESENTED & RECORDED

05-17-2011 02:25:31 PM

C. NORMAN HOLLEMAN
REGISTER OF DEEDS
BY: SANDRA YOUNG
DPT

BK: H 2
PG: 116-128

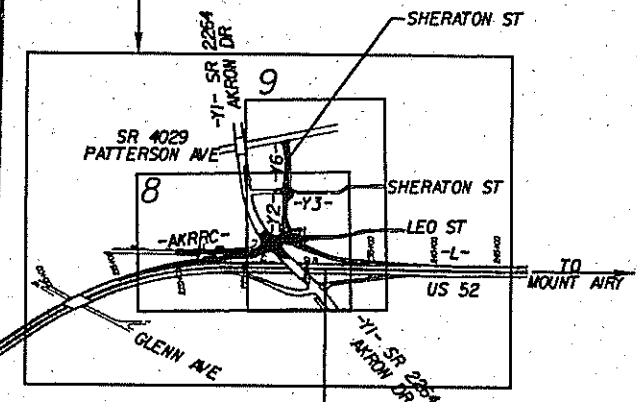
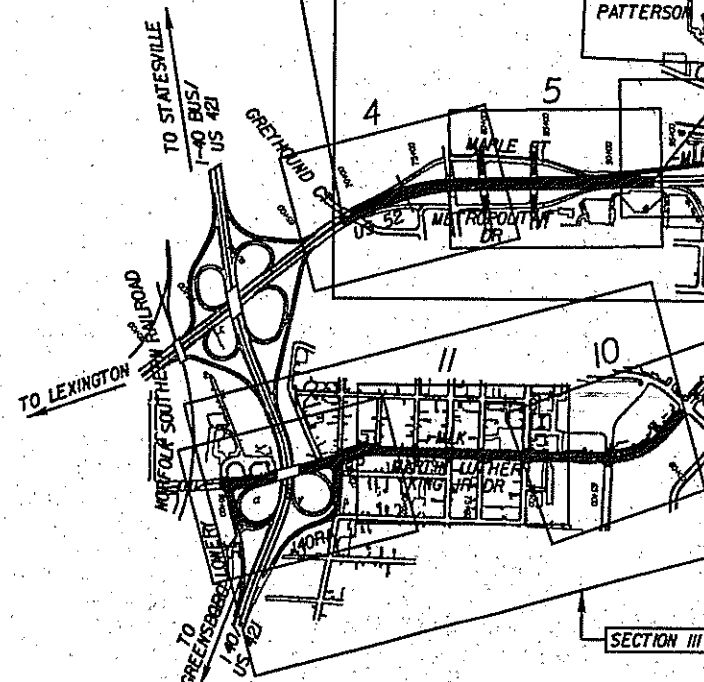


"STATE OF NORTH CAROLINA ~ COUNTY OF WAKE"

As Custodian of the minutes of the Board of Transportation, I do hereby certify that this is a true and correct copy of Plan Sheet 34871.2.1 of the final plans for Project 34871.2.1 said plan sheet having been approved and adopted by the Board of Transportation and identified as Addendum 2 to the minutes of the 5th day of May, 2011. Board of Transportation meeting on file in my office. IN TESTIMONY WHEREOF, I have hereunto set my hand this the 1st day of May, 2011.
END TIP PROJECT U-2826B

Secretary to Board of Transportation

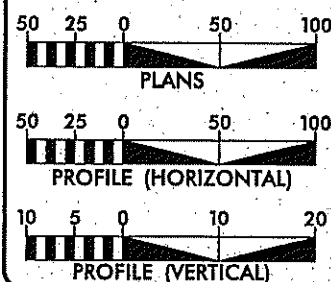
-L- STA 68+17.66
BEGIN TIP PROJECT U-2826B
BEGIN CONSTRUCTION



PROJECT	34871.2.1
PRIMARY ROAD	-L- STA 231+44.30
CONNECTING ROADS	END CONSTRUCTION US 52

THIS IS A PARTIAL CONTROLLED-ACCESS PROJECT WITH ACCESS BEING LIMITED TO POINTS AS SHOWN ON THE PLANS.

GRAPHIC SCALES



DESIGN DATA

(US 52)

ADT 2010 83,850 VPD
ADT 2015 87,300 VPD
DHY 11%
D 55%
V 60 mph

FUNCTIONAL CLASSIFICATION:
FREEWAY
* (TST 5% DUAL 4%)

DESIGN EXCEPTION:
AUX. LANE WIDTH AND SHOULDER WIDTH

(MARTIN LUTHER KING JR DRIVE)

ADT 2010 9,700 VPD
ADT 2015 10,400 VPD
DHY 8%
D 55%
V 40 mph

FUNCTIONAL CLASSIFICATION:
URBAN
* (TST 2% DUAL 2%)

PROJECT LENGTH

LENGTH ROADWAY TIP PROJECT U-2826B = 0.480 MILES

TOTAL LENGTH TIP PROJECT U-2826B = 0.480 MILES

NCDOT CONTACT: K. ZAK HAMIDI, P.E.
PROJECT ENGINEER - ROADWAY DESIGN UNIT

PLANS PREPARED FOR
THE NCDOT BY:



2006 STANDARD SPECIFICATIONS

RIGHT OF WAY DATE:
FEBRUARY 20, 2009

LETTING DATE:
APRIL 19, 2011

MATTHEW WEST, PE
PROJECT ENGINEER

R. ERSKINE BROOKS, PE
PROJECT DESIGN ENGINEER

HYDRAULICS ENGINEER

Signature: *[Signature]*
Seal: 026480
P.E.

ROADWAY DESIGN
ENGINEER

Signature: *[Signature]*
Seal: 029876
P.E.

DIVISION OF HIGHWAYS
STATE OF NORTH CAROLINA



Signature: *[Signature]*
Seal: 029876
P.E.
STATE HIGHWAY DESIGN ENGINEER

TIP PROJECT: U-2826B

CONTRACT: C202598

Note: Not to Scale***S.U.E. = Subsurface Utility Engineering**STATE OF NORTH CAROLINA
DIVISION OF HIGHWAYS

CONVENTIONAL PLAN SHEET SYMBOLS

BOUNDARIES AND PROPERTY:

State Line	_____
County Line	_____
Township Line	_____
City Line	_____
Reservation Line	_____
Property Line	_____
Existing Iron Pin	○
Property Corner	✕
Property Monument	□
Parcel/Sequence Number	(23)
Existing Fence Line	—x—x—x—
Proposed Woven Wire Fence	—○—
Proposed Chain Link Fence	—□—
Proposed Barbed Wire Fence	—◇—
Existing Wetland Boundary	—TW—
Proposed Wetland Boundary	—TW—
Existing Endangered Animal Boundary	—EA—
Existing Endangered Plant Boundary	—EP—

BUILDINGS AND OTHER CULTURE:

Gas Pump Vent or U/G Tank Cap	○
Sign	○
Well	○
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	—TW—
False Sump	□

RAILROADS:

Standard Gauge	_____
RR Signal Milepost	○
Switch	□
RR Abandoned	_____
RR Dismantled	_____

RIGHT OF WAY:

Baseline Control Point	◆
Existing Right of Way Marker	△
Existing Right of Way Line	_____
Proposed Right of Way Line	_____
Proposed Right of Way Line with Iron Pin and Cap Marker	○
Proposed Right of Way Line with Concrete or Granite Marker	○
Existing Control of Access	○
Proposed Control of Access	○
Existing Easement Line	—E—
Proposed Temporary Construction Easement	—E—
Proposed Temporary Drainage Easement	—TDE—
Proposed Permanent Drainage Easement	—PDE—
Proposed Permanent Utility Easement	—PUE—
Proposed Temporary Utility Easement	—TUE—
Proposed Permanent Easement with Iron Pin and Cap Marker	○

ROADS AND RELATED FEATURES:

Existing Edge of Pavement	_____
Existing Curb	_____
Proposed Slope Stakes Cut	—C—
Proposed Slope Stakes Fill	—F—
Proposed Wheel Chair Ramp	□
Existing Metal Guardrail	_____
Proposed Guardrail	_____
Existing Cable Guiderail	_____
Proposed Cable Guiderail	_____
Equality Symbol	⊕
Pavement Removal	XXXX
VEGETATION:	
Single Tree	○
Single Shrub	○
Hedge	_____
Woods Line	_____
Orchard	○
Vineyard	□

EXISTING STRUCTURES:

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

UTILITIES:

POWER:	
Existing Power Pole	○
Proposed Power Pole	○
Existing Joint Use Pole	○
Proposed Joint Use Pole	○
Power Manhole	○
Power Line Tower	○
Power Transformer	□
U/G Power Cable Hand Hole	□
H-Frame Pole	○
Recorded U/G Power Line	—P—
Designated U/G Power Line (S.U.E.*)	—P—
TELEPHONE:	
Existing Telephone Pole	○
Proposed Telephone Pole	○
Telephone Manhole	○
Telephone Booth	□
Telephone Pedestal	□
Telephone Cell Tower	○
U/G Telephone Cable	_____
Recorded U/G Telephone Cable	—T—
Designated U/G Telephone Cable (S.U.E.*)	—T—
Recorded U/G Telephone Cable	—T—
Designated U/G Telephone Cable (S.U.E.*)	—T—
Recorded U/G Fiber Optics Cable	—F—
Designated U/G Fiber Optics Cable (S.U.E.*)	—F—

WATER:

Water Manhole	○
Water Meter	○
Water Valve	○
Water Hydrant	○
Recorded U/G Water Line	—W—
Designated U/G Water Line (S.U.E.*)	—W—
Above Ground Water Line	—A/G Water—

TV:

TV Satellite Dish	○
TV Pedestal	□
TV Tower	○
U/G TV Cable Hand Hole	□
Recorded U/G TV Cable	—TV—
Designated U/G TV Cable (S.U.E.*)	—TV—
Recorded U/G Fiber Optic Cable	—TV FO—
Designated U/G Fiber Optic Cable (S.U.E.*)	—TV FO—

GAS:

Gas Valve	○
Gas Meter	○
Recorded U/G Gas Line	—G—
Designated U/G Gas Line (S.U.E.*)	—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—
Recorded SS Forced Main Line	—F—
Designated SS Forced Main Line (S.U.E.*)	—F—

MISCELLANEOUS:

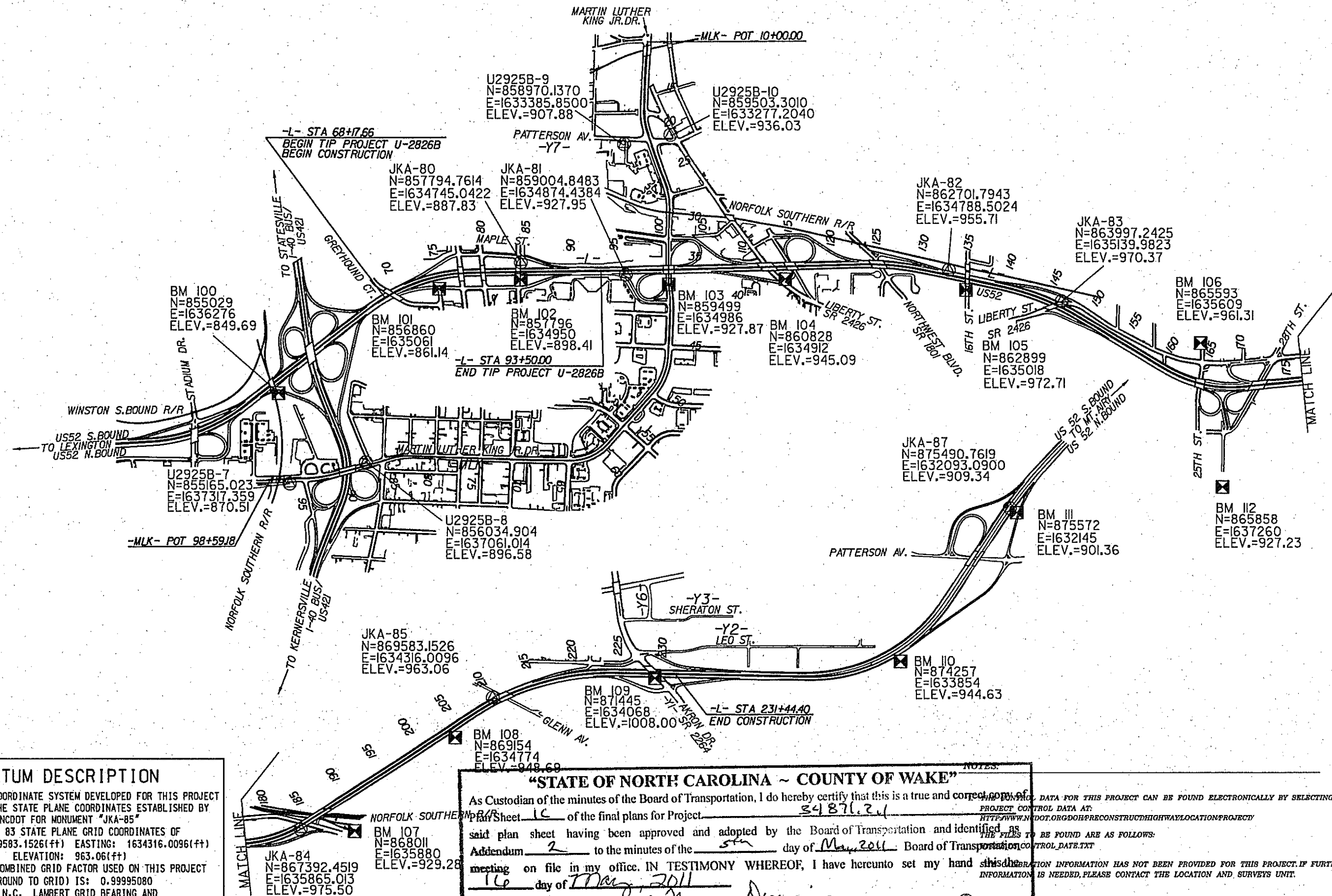
Utility Pole	○
Utility Pole with Base	□
Utility Located Object	○
Utility Traffic Signal Box	□
Utility Unknown U/G Line	—UL—
U/G Tank; Water, Gas, Oil	□
A/G Tank; Water, Gas, Oil	□
U/G Test Hole (S.U.E.*)	○
Abandoned According to Utility Records	AATUR
End of Information	E.O.I.

STATE OF NORTH CAROLINA - COUNTY OF WAKE
I, the undersigned, being a duly qualified and sworn member of the Board of Transportation, do hereby certify that this is a true and correct copy of the minutes of the Board of Transportation held on the 24th day of May, 2011, at the time and place aforesaid, and that the same have been approved and adopted by the Board of Transportation on the 24th day of May, 2011, at the time and place aforesaid, and that the same have been filed in my office in accordance with the provisions of the General Statutes of the State of North Carolina, Chapter 160A, Section 160A-010, and that the same are hereby made a part of the public records of the Board of Transportation.

Attest:

Secretary to Board of Transportation

PROJECT REFERENCE NO.	SHEET NO.
U-2826B	1C
Location and Surveys	



THE LOCALIZED COORDINATE SYSTEM DEVELOPED FOR THIS PROJECT
IS BASED ON THE STATE PLANE COORDINATES ESTABLISHED BY
NCDOT FOR MONUMENT "JKA-85"
WITH NAD 83 STATE PLANE GRID COORDINATES OF
NORTHING: 869583.1526(ft) EASTING: 1634316.0096(ft)
ELEVATION: 963.06(ft)
THE AVERAGE COMBINED GRID FACTOR USED ON THIS PROJECT
(GROUND TO GRID) IS: 0.99995080
THE N.C. LAMBERT GRID BEARING AND
LOCALIZED HORIZONTAL GROUND DISTANCE FROM
"JKA-85" TO -L- STATION 68+17.66 IS
S 3°40'19" E 13370.74
ALL LINEAR DIMENSIONS ARE LOCALIZED HORIZONTAL DISTANCES
VERTICAL DATUM USED IS NGVD 29

As Custodian of the minutes of the Board of Transportation, I do hereby certify that this is a true and correct copy of
 Plan Sheet 1C of the final plans for Project 34871.2.1
 said plan sheet having been approved and adopted by the Board of Transportation and identified as THE FILES
 Addendum 2 to the minutes of the 5th day of May, 2011 Board of Transportation
 meeting on file in my office. IN TESTIMONY WHEREOF, I have hereunto set my hand and the
16 day of May, 2011
Thomas Durkin
 Secretary to Board of Transportation

INDICATES BY THE NC

THIS PROJECT CONTROL DATA FOR THIS PROJECT CAN BE FOUND ELECTRONICALLY BY SELECTING PROJECT CONTROL DATA AT:
[HTTP://WWW.NDDOT.ORG/DOH/RECONSTRUCT/HIGHWAY/LOCATION/PROJECT/](http://www.nddot.org/DOH/RECONSTRUCT/HIGHWAY/LOCATION/PROJECT/)
 THE FILES TO BE FOUND ARE AS FOLLOWS:
 PROJECT CONTROL DATA.TXT

and this information has not been provided for this project. If further information is needed, please contact the Location and Surveys Unit.

INDICATES GEODETIC CONTROL MONUMENTS USED OR SET FOR HORIZONTAL PROJECT CONTROL BY THE NCDOT LOCATION AND SURVEYS UNIT.

PROJECT CONTROL ESTABLISHED USING GLOBAL POSITIONING SYSTEM.

NETWORK ESTABLISHED FROM EXISTING NCGS MONUMENTATION

NOTE: DRAWING NOT TO SCALE

SURVEY CONTROL SHEET U-2826B

PROJECT REFERENCE NO.	SHEET NO.
U-2826B	1D
Location and Surveys	

BL	POINT	DESC.	NORTH	EAST	ELEVATION	L STATION	OFFSET
1	BL-1		855086.6870	1636132.8344	831.35	53+16.85	49.52 RT
2	BL-2		855898.6750	1635481.1690	841.74	63+57.98	43.79 RT
3	BL-3		856632.0153	1634900.8000	852.09	72+86.34	76.86 LT
4	BL-4		857817.2879	1634900.8165	876.76	84+51.13	44.56 RT
5	BL-5		859160.0806	1634866.3228	934.23	97+94.37	44.19 RT
6	BL-6		860506.4646	1634820.0327	959.49	111+41.04	44.60 RT
7	BL-7		861584.6302	1634780.1978	949.85	122+19.97	44.65 RT
8	BL-8		862363.4341	1634825.4869	953.34	130+11.66	43.08 RT
9	BL-9		863194.1139	1634995.5059	952.44	138+60.53	44.07 RT
10	JKA-83		863997.2425	1635139.9823	970.37	146+66.63	68.79 LT
11	BL-11		864935.2812	1635813.2816	965.78	158+11.31	47.60 RT
12	BL-12		865797.5390	1635160.4234	979.67	167+27.39	56.23 RT
13	BL-13		866317.3661	1636124.7952	971.53	172+39.08	48.79 RT
14	JKA-84		867392.4518	1635865.0142	975.50	183+38.76	37.31 RT
15	BL-15		867912.7022	1635526.8046	974.74	189+57.23	43.33 RT
16	BL-16		868675.8112	1635019.8819	952.44	198+73.36	46.38 RT
17	BL-17		869247.3785	1634634.2979	953.45	205+62.82	43.77 RT
18	BL-18		869672.0439	1634371.7160	961.90	210+67.22	42.48 RT
19	BL-19		870031.9342	1634216.0467	969.50	214+65.56	42.52 RT
20	BL-20		870605.4230	1634079.6414	981.39	220+65.06	42.93 RT
21	BL-21		871076.4595	1634057.2148	990.02	225+42.99	44.60 RT
22	BL-22		871901.8758	1634066.2143	984.73	233+68.65	44.55 RT
23	BL-23		872893.2050	1634078.9556	974.43	243+60.06	46.28 RT
24	BL-24		873964.2419	1633928.8462	958.78	254+28.53	59.87 RT
25	BL-25		874738.0490	1633327.2001	935.77	263+88.94	60.42 RT
26	JKA-87		875490.7619	1632093.0900	909.34	OUTSIDE PROJECT LIMITS	
27	BL-27		876194.7503	1631330.6492	919.58	OUTSIDE PROJECT LIMITS	
28	BL-28		876628.7385	1630939.8275	921.23	OUTSIDE PROJECT LIMITS	

BY11	POINT	DESC.	NORTH	EAST	ELEVATION	MLK STATION	OFFSET
113	BY11-113		859181.4230	1632265.8010	945.40	10+55.77	47.61 RT
114	BY11-114		859260.5910	1632858.9740	944.37	16+44.83	57.93 LT
115	BY11-115		859362.0600	1633448.1880	921.52	22+71.75	48.79 LT
116	BY11-116		859416.3560	1633742.9660	925.91	25+67.43	0.32 RT
117	BY11-117		859549.3760	1634173.5770	907.59	30+08.99	49.71 LT
118	BY11-118		859464.8370	1634616.8170	921.72	34+53.63	29.17 RT
119	BY11-119		859551.1180	1635262.6680	937.00	41+00.64	32.49 LT
120	BY11-120		859426.5600	1635664.8990	925.81	45+05.80	78.97 RT
121	BY11-121		859348.9000	1636314.3000	894.99	51+60.90	67.69 LT
122	BY11-122		858926.6620	1636625.9790	886.72	56+73.88	43.16 RT
123	BY11-123		858329.6840	1637075.5960	889.69	64+36.13	56.90 LT
124	BY11-124		857680.0170	1637054.3730	924.57	70+85.18	40.06 LT
125	BY11-125		857382.9360	1636965.4780	936.35	73+84.31	41.66 RT
126	BY11-126		857060.9930	1637034.4930	931.67	77+04.50	35.08 LT
127	BY11-127		856792.2250	1636955.0070	917.59	79+75.58	36.60 RT
8	U2925B-8		856034.9040	1637061.0140	896.58	87+36.62	38.73 RT
7	U2925B-7		855165.0230	1637317.3590	870.51	96+39.85	53.74 LT

BY6	POINT	DESC.	NORTH	EAST	ELEVATION	Y1 STATION	OFFSET
61	BY6-61		871093.8030	1633450.2220	1012.53	13+00.06	36.93 LT
62	BY6-62		871337.4170	1633832.6160	1010.03	17+84.02	55.38 LT
22	BL-22		871901.8758	1634066.2143	984.73	OUTSIDE PROJECT LIMITS	

DATUM DESCRIPTION

THE LOCALIZED COORDINATE SYSTEM DEVELOPED FOR THIS PROJECT IS BASED ON THE STATE PLANE COORDINATES ESTABLISHED BY NCDDT FOR MONUMENT "JKA-85"

WITH NAD 83 STATE PLANE GRID COORDINATES OF
NORTHING: 869583.1526(±) EASTING: 1634316.0096(±)
ELEVATION: 963.06(±)

THE AVERAGE COMBINED GRID FACTOR USED ON THIS PROJECT (GROUND TO GRID) IS: 0.99995080
THE N.C. LAMBERT GRID BEARING AND
LOCALIZED HORIZONTAL GROUND DISTANCE FROM
"JKA-85" TO -L- STATION 68+17.66 IS
S 3°40'19" E 13370.74

ALL LINEAR DIMENSIONS ARE LOCALIZED HORIZONTAL DISTANCES
VERTICAL DATUM USED IS NGVD 29

BY8	POINT	DESC.	NORTH	EAST	ELEVATION	Y6 STATION	OFFSET
64	BY8-64		871323.4230	1633383.0350	1000.45	14+12.15	34.98 RT
61	BY6-61		871093.8030	1633450.2220	1012.53	OUTSIDE PROJECT LIMITS	

BY19	POINT	DESC.	NORTH	EAST	ELEVATION	Y7 STATION	OFFSET
465	BY19-465		859651.2660	1633290.0610	938.26	OUTSIDE PROJECT LIMITS	
115	BY11-115		859362.0600	1633448.1880	921.52	OUTSIDE PROJECT LIMITS	
466	BY19-466		858747.8500	1633295.9650	914.72	11+16.55	24.73 LT

BM100 ELEVATION - 849.69'
N 855029 E 1636276
L STATION 51+83 128' RIGHT
NE BOLT IN GROUP OF 4 IN NE WING WALL
OF NORFOLK SOUTHERN R/R BRIDGE OVER US
52 AND RAMP LEADING TO BUS. 40 EAST
BOUND

BM101 ELEVATION - 861.14'
N 856860 E 1635061
L STATION 74+59 140' RIGHT
R/R SPIKE IN JOINT OF CURB & GUTTER IN
CONC ISLAND AT 3RD ST. EXIT RAMP OFF US
52 N. BOUND WHERE 2ND ST. BEGINS AT
RAMP 2' S. OF MAN HOLE

BM102 ELEVATION - 898.41'
N 857796 E 1634950
L STATION 84+29 93' RIGHT
STEEL NAIL IN NE WING WALL OF 5TH ST.
BRIDGE OVER US 52

BM103 ELEVATION - 898.41'
N 859499 E 1634986
L STATION 101+29 173' RIGHT
PAINTED NW BOLT ON METAL LIGHT POLE IN
MEDIAN OF MARTIN LUTHER KING, JR. DR.
130' EAST OF US 52 BRIDGE OVER SAID ROAD

BM104 ELEVATION - 945.09'
N 860828 E 1634912
L STATION 114+59 148' RIGHT
R/R SPIKE SET IN SIDE WALK AT LIBERTY
ST. LOOP JUST SOUTH OF US 52 BRIDGE

BM105 ELEVATION - 972.71'
N 862899 E 1635018
L STATION 135+76 125' RIGHT
R/R SPIKE SET IN EDGE OF PAVEMENT ON
SOUTH SIDE OF 16TH ST. 40' EAST OF
BRIDGE OVER US 52 ACROSS FROM FIRE
HYDRANT ON NORTH SIDE OF 16TH ST.

BM106 "STATE OF NORTH CAROLINA - COUNTY OF WAKE"
N 865593 E 1635609
As Custodian of the minutes of the Board of Transportation, I do hereby certify that this is a true and correct copy of
the minutes of the Board of Transportation for Project
34871.2.1
said plan sheet having been approved and adopted by the Board of Transportation and identified as
Addendum SV WATER METER the minutes of the 5th day of May, 2011 Board of Transportation
meeting on file in my office. IN TESTIMONY WHEREOF, I have hereunto set my hand this the
11th day of May, 2011

NOTES:
Secretary to Board of Transportation

THE CONTROL DATA FOR THIS PROJECT CAN BE FOUND ELECTRONICALLY BY SELECTING
PROJECT CONTROL DATA AT:
HTTP://WWW.NCDDT.ORG/DORF/RECONSTRUCT/HIGHWAY/LOCATION/PROJECT/

THE FILES TO BE FOUND ARE AS FOLLOWS:
U2826B_LS_CONTROL_DATA.TXT

SITE CALIBRATION INFORMATION HAS NOT BEEN PROVIDED FOR THIS PROJECT. IF FURTHER
INFORMATION IS NEEDED, PLEASE CONTACT THE LOCATION AND SURVEYS UNIT.

INDICATES GEODETIC CONTROL MONUMENTS USED OR SET FOR HORIZONTAL PROJECT CONTROL
BY THE NCDDT LOCATION AND SURVEYS UNIT.
PROJECT CONTROL ESTABLISHED USING GLOBAL POSITIONING SYSTEM.
NETWORK ESTABLISHED FROM EXISTING NCOS MONUMENTATION

NOTE: DRAWING NOT TO SCALE

Pls Sta 77+83.74
 Gs = 6'00'00"
 Ls = 400.00'
 LT = 266.82'
 ST = 133.47'

Pls Sta 11+00.00
 Gs = 1'25'56.6"
 Ls = 150.00'
 LT = 100.00'
 ST = 50.00'

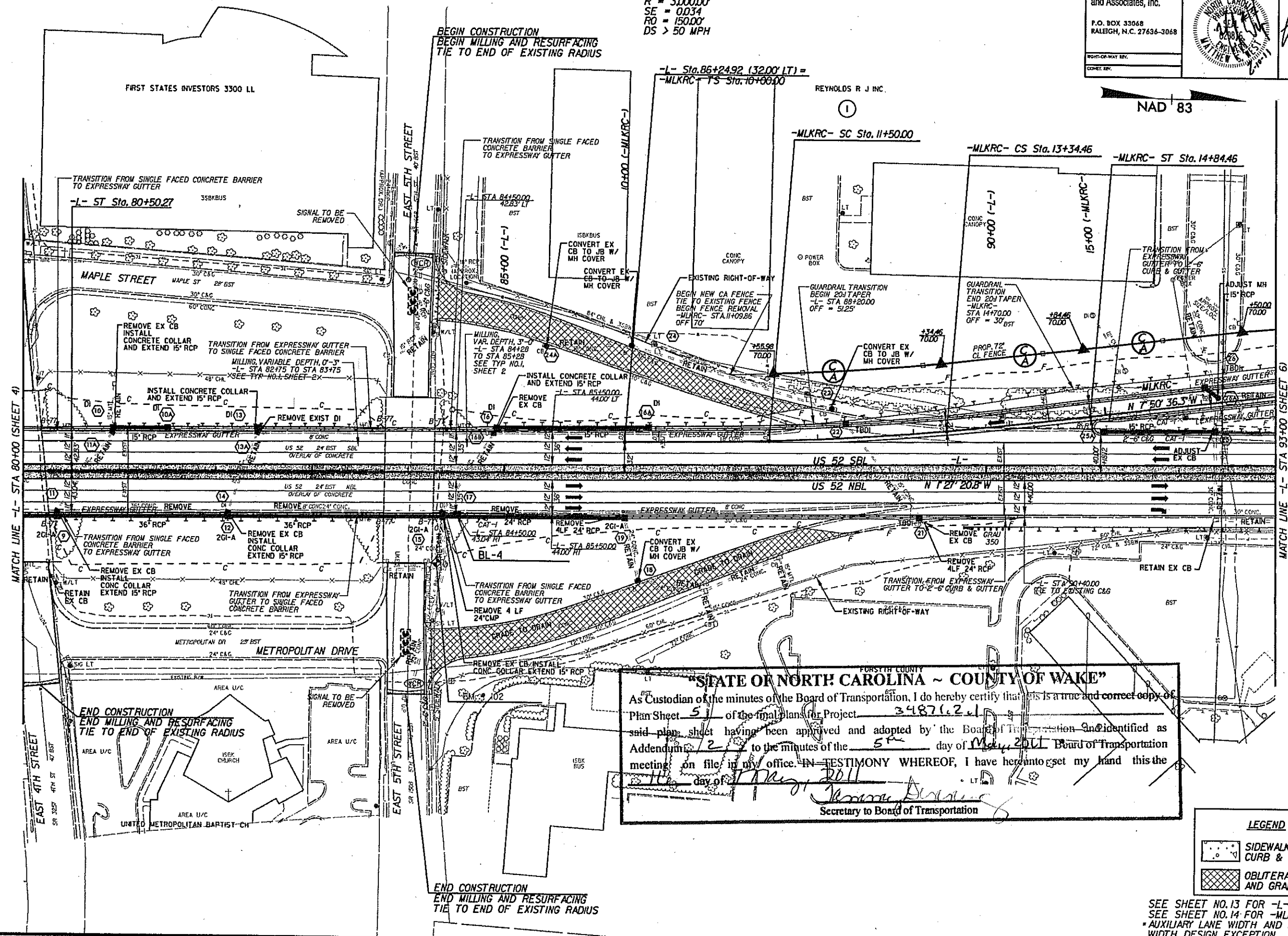
Pls Sta 12+42.26
 $\Delta = 3'31'22.3"$ (LT)
 $D = 1'54'35.5"$
 $L = 184.46'$
 $T = 92.26'$
 $R = 3,000.00'$
 $SE = 0.034$
 $RO = 150.00'$
 $DS > 50$ MPH

Pls Sta 13+84.46
 Gs = 1'25'56.6"
 Ls = 150.00'
 LT = 100.00'
 ST = 50.00'

SECTION I

Kimley-Horn
 and Associates, Inc.
 P.O. BOX 33068
 RALEIGH, N.C. 27636-3068

PROJECT REFERENCE NO. U-2826B	SHEET NO. 5
ROADWAY DESIGN ENGINEER MATTIE C. WEST	HYDRAULICS ENGINEER D. ROBINSON



STATE OF NORTH CAROLINA - COUNTY OF WAKE

As Custodian of the minutes of the Board of Transportation, I do hereby certify that this is a true and correct copy of Plan Sheet 5 of the final plans for Project 34871.2.1 said plan sheet having been approved and adopted by the Board of Transportation and identified as Addendum 2 to the minutes of the 5th day of May, 2011 Board of Transportation meeting on file in my office. IN TESTIMONY WHEREOF, I have hereunto set my hand this the 11th day of May, 2011.

[Signature]
 Secretary to Board of Transportation

LEGEND

SIDEWALK CURB & GUTTER

OBLITERATE, REMOVE AND GRADE TO DRAIN

SEE SHEET NO. 13 FOR -L- PROFILE
 SEE SHEET NO. 14 FOR -MLKRC- PROFILE
 * AUXILIARY LANE WIDTH AND SHOULDER WIDTH DESIGN EXCEPTION

SECTION I



Kimley-Horn
and Associates, Inc.

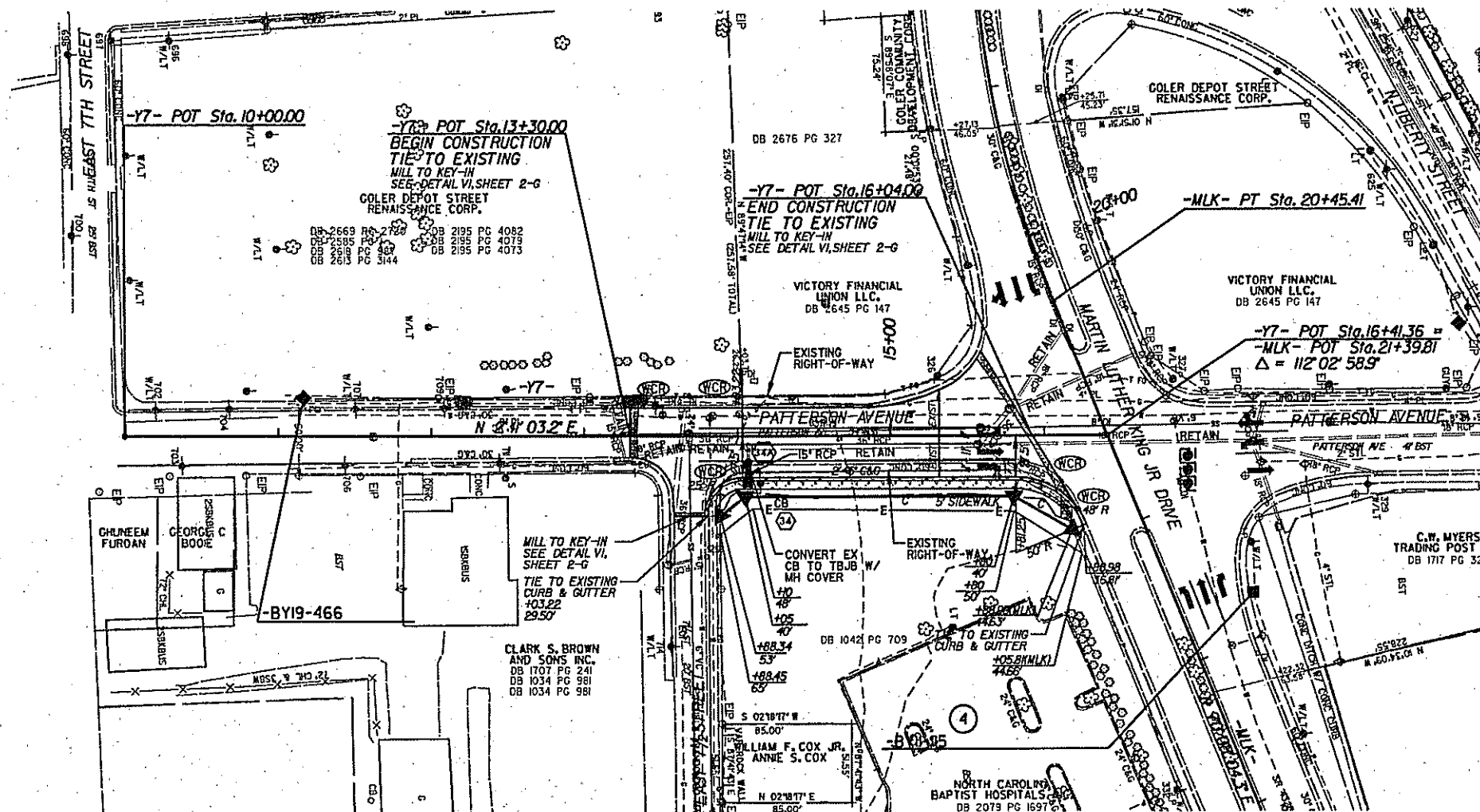
P.O. BOX 33068
RALEIGH, N.C. 27636-3068

RIGHT-OF-WAY DIV.
CONSTR. DIV.

PROJECT REFERENCE NO. U-2826B	SHEET NO. 7
R/W SHEET NO.	
ROADWAY DESIGN ENGINEER	HYDRAULICS ENGINEER

NAD 83

-MLK-	
PI Sta 19+07.09	PI Sta 28+28.39
$\Delta = 22^\circ 25' 16.9" (LT)$	$\Delta = 21^\circ 37' 27.5" (RT)$
D = 8' 00' 00.0"	D = 8' 00' 00.0"
L = 280.27'	L = 270.30'
T = 141.95'	T = 136.78'
R = 716.20'	R = 716.20'
SE = EXIST	SE = EXIST
DS = 45 MPH	DS = 45 MPH



LEGEND	
	EXISTING SIGNAL
	SIDEWALK CURB & GUTTER
	OBLITERATE, REMOVE AND GRADE TO DRAIN

"STATE OF NORTH CAROLINA ~ COUNTY OF WAKE"

As Custodian of the minutes of the Board of Transportation, I do hereby certify that this is a true and correct copy of Plan Sheet 7 of the final plans for Project 34871.2.1 said plan sheet having been approved and adopted by the Board of Transportation and identified as Addendum 2 to the minutes of the 5th day of May 2011 Board of Transportation meeting on file in my office. IN TESTIMONY WHEREOF, I have hereunto set my hand this the 16 day of May 2011

Ann Dunning
Secretary to Board of Transportation

SEE SHEET NO.15 FOR -Y7- PROFILE

SECTION II

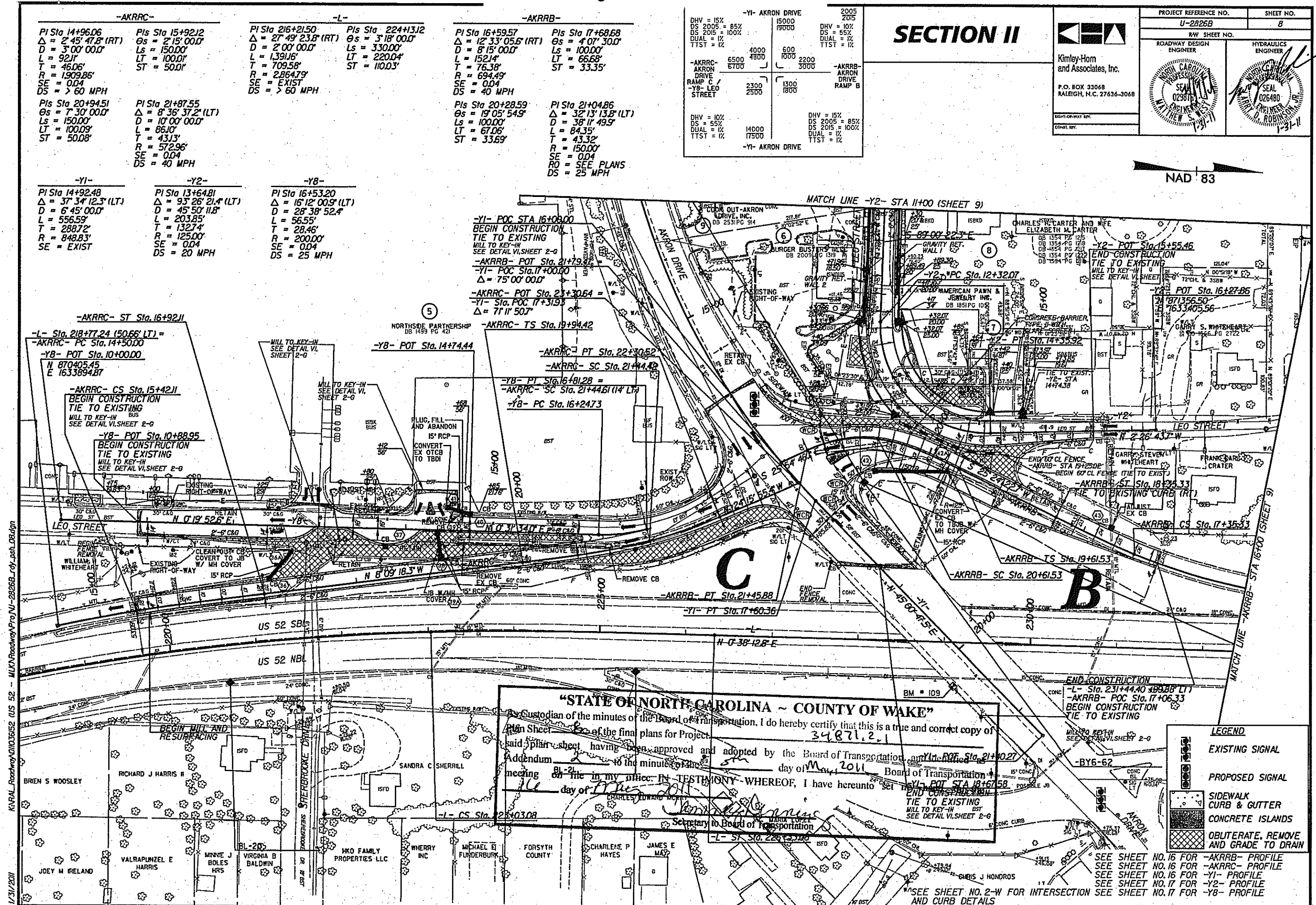


Kimley-Horn
and Associates, Inc.
P.O. BOX 33068
RALEIGH, N.C. 27636-3068

RIGHT-OF-WAY B.Y.
CONST. B.Y.

PROJECT REFERENCE NO. U-2826B	SHEET NO. 8
ROADWAY DESIGN ENGINEER	
HYDRAULICS ENGINEER	

NAD 83



SECTION II



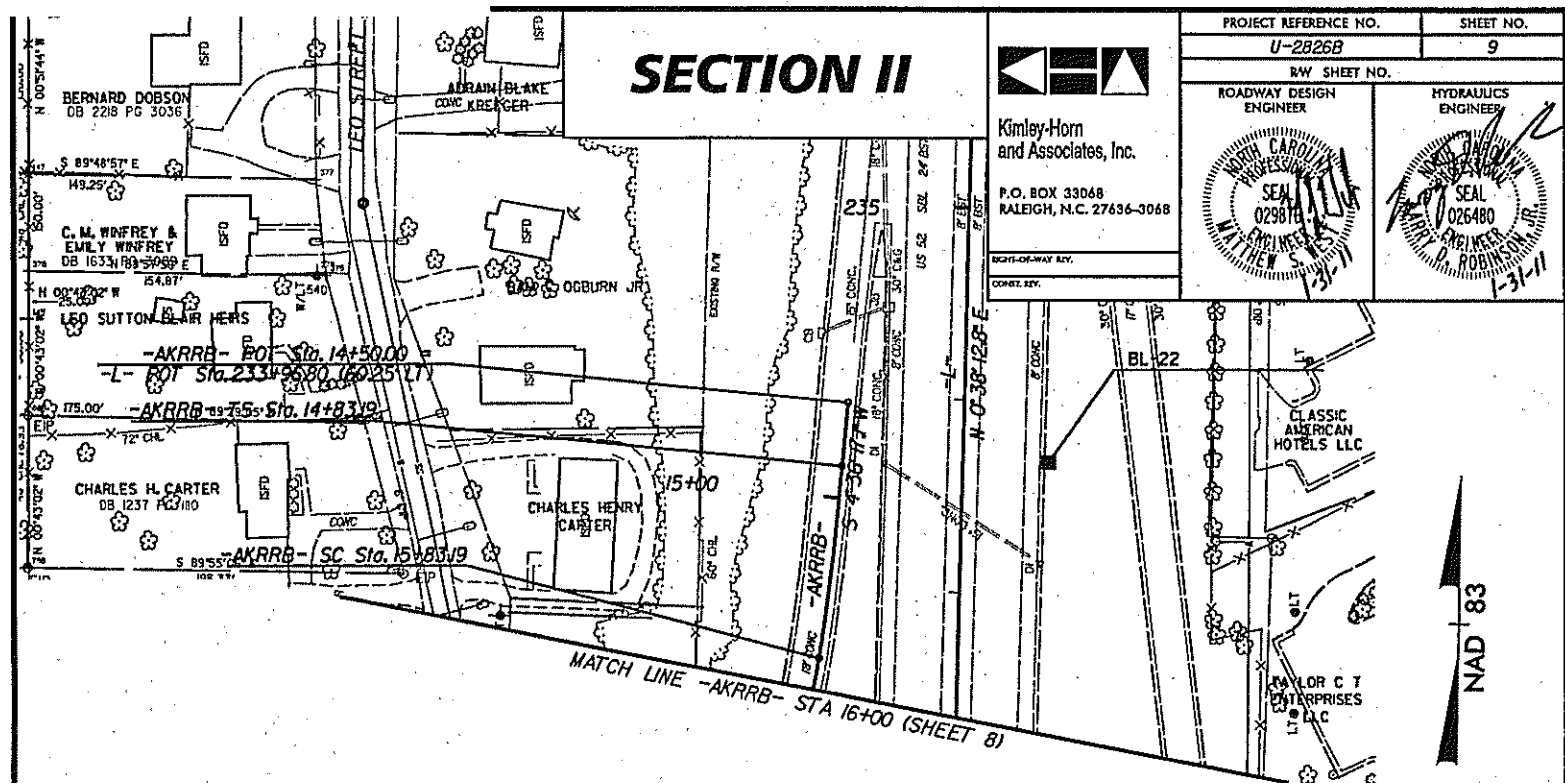
Kimley-Horn
and Associates, Inc.
P.O. BOX 33068
RALEIGH, N.C. 27636-3068
NORTH-CAROLINA E.C.
CONST. DIV.

PROJECT REFERENCE NO. U-2826B	SHEET NO. 9
ROADWAY DESIGN ENGINEER	HYDRAULICS ENGINEER
SEAL 029878 MAY 11	SEAL 026480 MAY 11

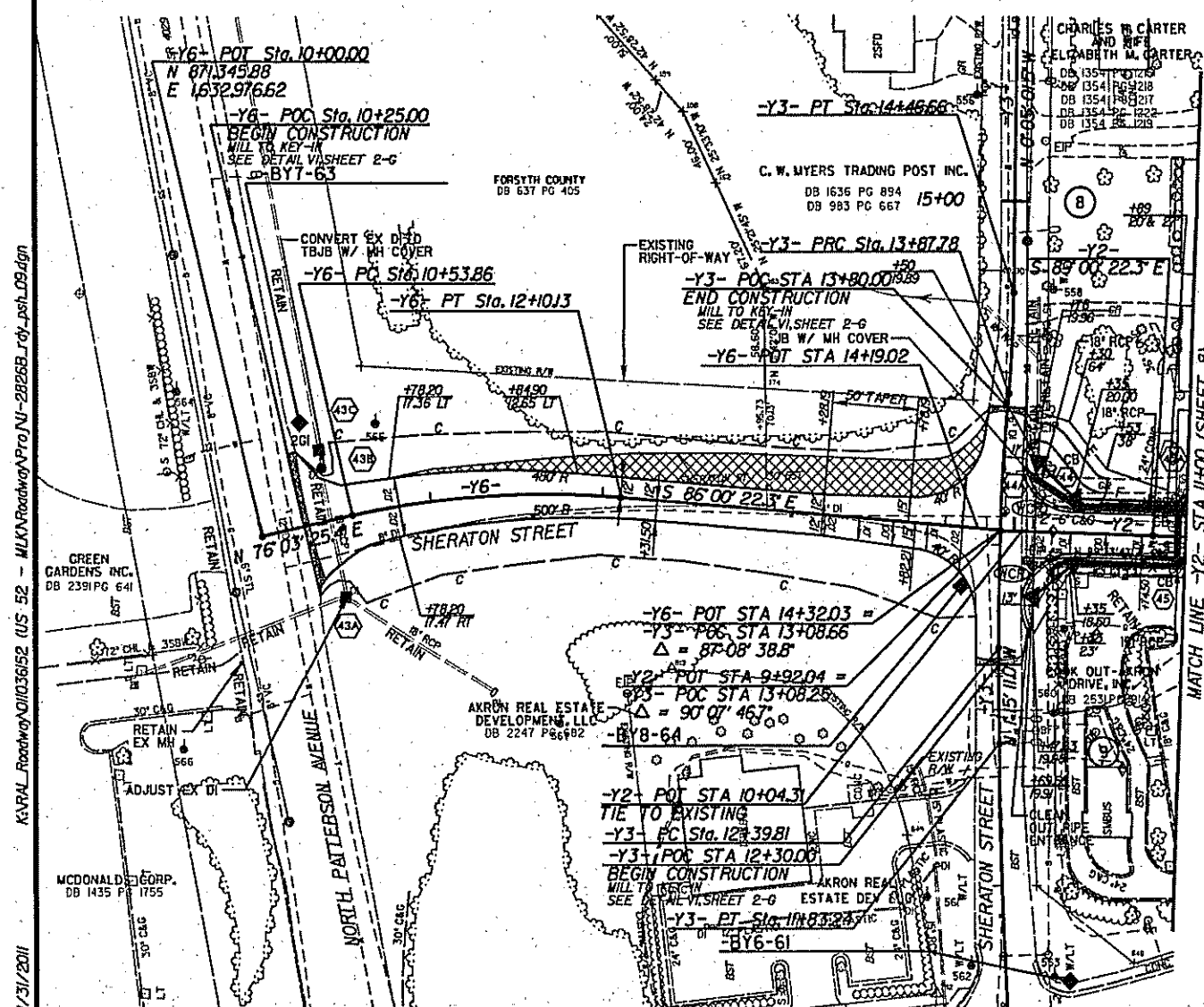
NAD 83

-Y3-			Y6
PI Sta 10+91.65	PI Sta 13+13.84	PI Sta 14+17.23	PI Sta 11+32.77
$\Delta = 3' 29' 17.0''$ (RT)	$\Delta = 5' 08' 17.4''$ (RT)	$\Delta = 3' 58' 07.9''$ (LT)	$\Delta = 17' 56' 12.3''$ (RT)
D = 1' 54' 12.7"	D = 3' 28' 20.9"	D = 6' 44' 26.4"	D = 1' 27' 33.0"
L = 183.24'	L = 147.97'	L = 58.88'	L = 156.53'
T = 91.65'	T = 74.03'	T = 29.45'	T = 78.91'
R = 3010.00'	R = 1650.00'	R = 850.00'	R = 500.00'
SE = NC	SE = NC	SE = NC	S = NC
R = > 40 MPH	R = > 40 MPH	R = > 40 MPH	DS = 40 MPH

NAD 83



MATCH LINE -Y2- STA 11+00 (SHEET 8)



-AKRRB-

PIs Sta 15+49.88	PI Sta 16+59.57
$\Delta = 4' 07' 30.0''$	$\Delta = 12' 33' 05.6''$ (RT)
Ls = 100.00'	D = 8' 15' 00.0"
LT = 66.68'	L = 152.14'
ST = 33.35'	T = 76.38'
	R = 694.49'
	SE = EXIST
	R = 45 MPH

"STATE OF NORTH CAROLINA ~ COUNTY OF WAKE"

As Custodian of the minutes of the Board of Transportation, I do hereby certify that this is a true and correct copy of Plan Sheet 9 of the final plans for Project 34871.2.1 said plan sheet having been approved and adopted by the Board of Transportation and identified as Addendum 2 to the minutes of the 5th day of May, 2011 Board of Transportation meeting on file in my office. IN TESTIMONY WHEREOF, I have hereunto set my hand this 16 day of May, 2011

Jammy Dennis
Secretary to Board of Transportation

LEGEND

- EXISTING SIGNAL
- PROPOSED SIGNAL
- SIDEWALK CURB & GUTTER
- CONCRETE ISLANDS
- OBLITERATE, REMOVE AND GRADE TO DRAIN

SEE SHEET NO. 17 FOR -Y2- PROFILE
SEE SHEET NO. 17 FOR -Y6- PROFILE
SEE SHEET NO. 2-W FOR INTERSECTION AND CURB DETAILS

-MLK-

PI Sta 61+61.54
 $\Delta = 48^\circ 57' 22.8''$ (RT)
 $D = 10' 00'' 00.0''$
 $L = 489.56'$
 $T = 260.85'$
 $R = 572.96'$
 $SE = EXIST$
 $DS = 40$ MPH

SECTION III

Kimley-Horn
and Associates, Inc.P.O. BOX 33068
RALEIGH, N.C. 27636-3068RIGHT-OF-WAY REV.
CONST. REV.

PROJECT REFERENCE NO. U-2826B	SHEET NO. 10
RW SHEET NO.	
ROADWAY DESIGN ENGINEER 	HYDRAULICS ENGINEER 

NAD 83

"STATE OF NORTH CAROLINA - COUNTY OF WAKE"

As Custodian of the minutes of the Board of Transportation, I do hereby certify that this is a true and correct copy of the minutes of the Board of Transportation, held on the 10th day of May, 2011, at the County Office Building, Raleigh, North Carolina, for the purpose of adopting the final plans for Project 34871.2.1, Addendum 2, to the minutes of the 5th day of May, 2011, Board of Transportation meeting on file in my office. IN TESTIMONY WHEREOF, I have hereunto set my hand and the seal of the Board of Transportation, this 10th day of May, 2011.

Secretary to Board of Transportation

DHV = 8%	2015 WALKERTOWN ROAD	DHV = 8%	2015 WALKERTOWN ROAD
DS = 55%		DS = 55%	
DUAL = 2%		DUAL = 2%	
TTST = 3%		TTST = 3%	
14700	17600	2100	21200
19900	4300	5500	10000
	4800		
-MLK- MARTIN LUTHER KING JR. DRIVE	200	1300	1400
	300		
		DS = 50%	
		DUAL = 2%	
		TTST = 3%	
DHV = 20%	2400	DHV = 8%	
DS = 55%	3500	DS = 55%	
DUAL = 12%		DUAL = 2%	
TTST = 12%		TTST = 3%	

LEGEND	
	EXISTING SIGNAL
	SIDEWALK CURB & GUTTER

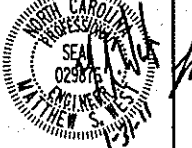
SEE SHEET NO. 18 FOR -MLK- PROFILE
 SEE SHEET NO. 2-X FOR INTERSECTION AND CURB DETAILS

-MLK-

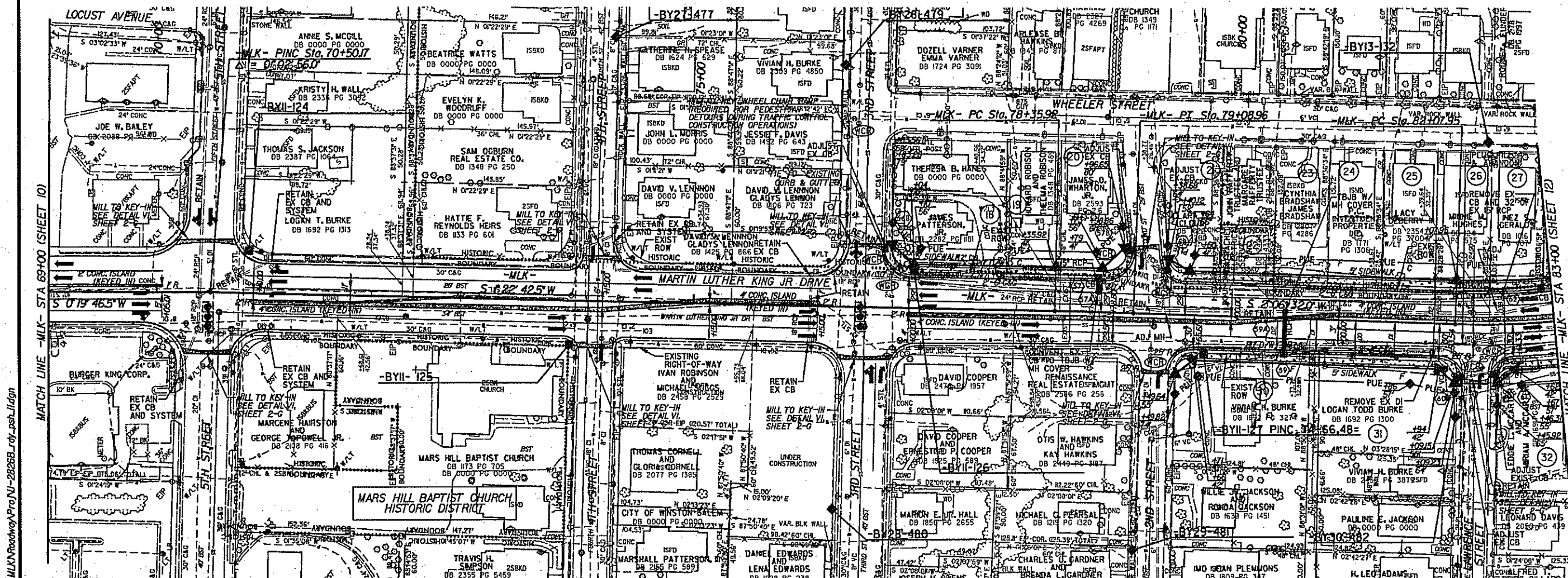
PI Sta 78+72.44 PI Sta 83+35.67
 $\Delta = 0^{\circ} 43' 49.6''$ (RT) $\Delta = 20^{\circ} 13' 21.0''$ (LT)
 $D = 1^{\circ} 00' 00.0''$ $D = 8^{\circ} 00' 00.0''$
 $L = 73.04'$ $L = 252.78'$
 $T = 36.52'$ $T = 127.72'$
 $SE = EXIST$ $SE = 0.038$
 $RO = EXIST$ $RO = 138$
 $DS = > 40$ MPH $DS = > 40$ MPH

SECTION III


 Kimley-Horn
 and Associates, Inc.
 P.O. BOX 33068
 RALEIGH, N.C. 27636-3068
 NORTH-CAROLINA REG.
 CONST. DIV.

PROJECT REFERENCE NO. U-2826B		SHEET NO. 11
ROADWAY DESIGN ENGINEER 		HYDRAULICS ENGINEER 
SEAL 029876 MATTHEW S. SMITH		SEAL 026480 D. ROBINSON

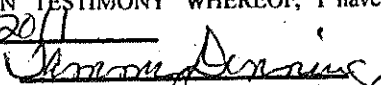
NAD 83



K:\RAL_Roadway\01033652 IUS 52 - MLK\Roadway\Proj\U-2826B_rpt.plt

1/31/2011

2005 5TH STREET		2005 4TH STREET		2005 3RD STREET	
DHV = 8% DS = 55% DUAL = 2% TTST = 3%	5400 10500	DHV = 8% DS = 55% DUAL = 2% TTST = 3%	2400 1800	DHV = 12% DS = 60% DUAL = 1% TTST = 1%	2100 3700
-MLK- MARTIN LUTHER KING JR. DRIVE	1800 2000 21400 26300	-MLK- MARTIN LUTHER KING JR. DRIVE	300 100 21300 26700	-MLK- MARTIN LUTHER KING JR. DRIVE	500 900 1200 20200 24400
1400 4300	1300 3800	800 700	500 1500	1100 1900	2100 3900
DHV = 8% DS = 55% DUAL = 2% TTST = 3%	4500 18500	DHV = 10% DS = 2005 = 100% DUAL = 1% TTST = 1%	3100 2200	DHV = 10% DS = 55% DUAL = 2% TTST = 3%	3600 7400
E. 5TH STREET		E. 4TH STREET		E. 3RD STREET	

"STATE OF NORTH CAROLINA ~ COUNTY OF WAKE"
 As Custodian of the minutes of the Board of Transportation, I do hereby certify that this is a true and correct copy of Plan Sheet 11 of the final plans for Project AB 30 34871.2
 said plan sheet having been approved and adopted by the Board of Transportation and identified as Addendum 2 to the minutes of the 5th day of May, 2011 Board of Transportation meeting on file in my office. IN TESTIMONY WHEREOF, I have hereunto set my hand this the 16 day of May, 2011

 Secretary to Board of Transportation

LEGEND

	EXISTING SIGNAL
	SIDEWALK CURB & GUTTER
	CONCRETE ISLANDS

SEE SHEET NO. 18 FOR -MLK- PROFILE
 SEE SHEET NO. 2-Y FOR INTERSECTION AND CURB DETAILS

SECTION III

Pls Sta 15+23.53
Gs = 9' 22' 30.0"
Ls = 150.00'
LT = 100.14'
ST = 50.13'

Pls Sta 17+06.35
Δ = 32' 21' 12.3" (RT)
D = 12' 30' 00.0"
L = 258.83'
T = 132.97'
R = 458.37'
SE = 0.08
RO = SEE PLANS
DS = 40 MPH

Pls Sta 19+54.49
Gs = 24' 33' 19.2"
Ls = 150.00'
LT = 100.98'
ST = 50.89'

Pls Sta 20+70.51
Δ = 41' 54' 01.9" (LT)
D = 32' 44' 25.6"
L = 127.98'
T = 67.00'
R = 175.00'
SE = 0.06
RO = 150.00'

Pls Sta 14+58.56
Δ = 55' 09' 04.2" (LT)
D = 35' 48' 35.5"
L = 154.01'
T = 83.56'
R = 160.00'
SE = 0.06
RO = SEE PLANS
DS = 25 MPH

Pls Sta 15+87.25
Gs = 30' 26' 18.2"
Ls = 170.00'
LT = 115.06'
ST = 58.24'

-140RA- I-40 RAMP A 2005
2015
7200 8500
DHV = 10%
DS = 55%
DUAL = 2%
TTST = 3%

-MLK-
MARTIN
LUTHER
KING JR.
DRIVE

19500 23100 5000 22700
23100 6000 22700

100 300
100 300

DHV = 15%
DS = 70%
DUAL = 1%
TTST = 1%

DHV = 10%
DS = 55%
DUAL = 2%
TTST = 3%

E. 1ST STREET

"STATE OF NORTH CAROLINA - COUNTY OF WAKE"

As Custodian of the minutes of the Board of Transportation, I hereby certify that the following is a true and correct copy of the minutes of the Board of Transportation, held on the 12th day of May, 1900, at the City of Raleigh, North Carolina.

Plan Sheet 12

said plan sheet having been approved and adopted by the Board of Transportation, and the same being on file in my office, I hereby certify that the same is a true and correct copy of the minutes of the Board of Transportation, held on the 12th day of May, 1900, at the City of Raleigh, North Carolina.

Secretary to Board of Transportation

SECRETARY TO BOARD OF TRANSPORTATION

SECRETARY TO BOARD OF TRANSPORTATION

SECRETARY TO BOARD OF TRANSPORTATION

SECRETARY TO BOARD OF TRANSPORTATION

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SECRETARY TO BOARD OF TRANSPORTATION

SECRETARY TO BOARD OF TRANSPORTATION

PROJECT REFERENCE NO. U-2826B SHEET NO. 12

RW SHEET NO. ROADWAY DESIGN ENGINEER HYDRAULICS ENGINEER

Kimley-Horn and Associates, Inc.

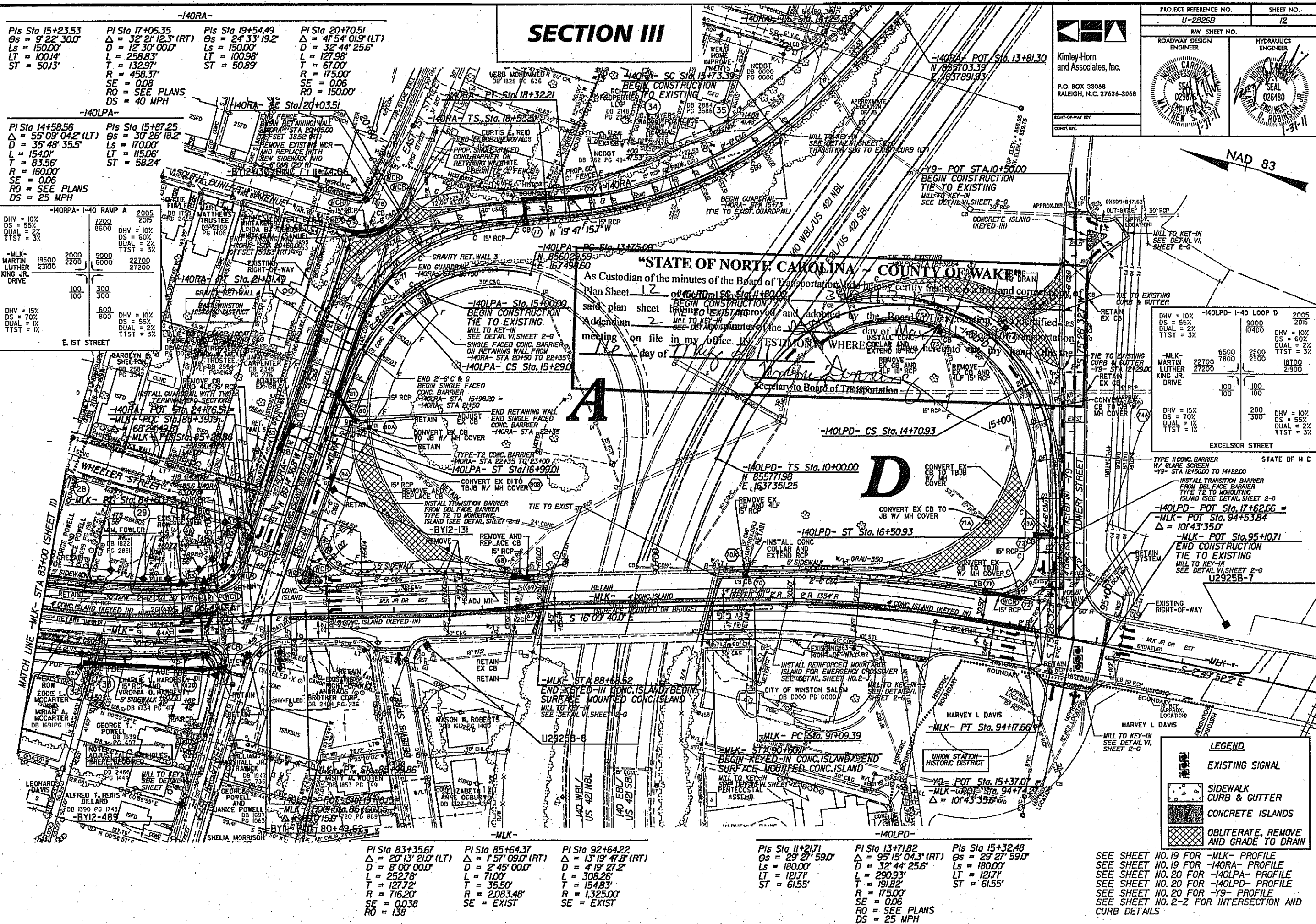
P.O. BOX 33068 RALEIGH, N.C. 27636-3068

RIGHT-OF-WAY REV. 1-31-11

SEAL 026480

K:\RAL_Roadway\0103562 (US 92 - MLK)Roadway\Proj\U-2826B rd\jsh\12.dgn

1/31/2011



Pls Sta 83+35.67
Δ = 20' 13' 21.0" (LT)
D = 8' 00' 00.0"
L = 252.78'
T = 127.72'
R = 716.20'
SE = 0.038
RO = 138

Pls Sta 85+64.37
Δ = 1' 57' 09.0" (RT)
D = 2' 45' 00.0"
L = 71.00'
T = 35.50'
R = 2083.48'
SE = EXIST

Pls Sta 92+64.22
Δ = 13' 19' 47.8" (RT)
D = 4' 19' 27.2"
L = 308.26'
T = 154.83'
R = 1325.00'
SE = EXIST

Pls Sta 11+21.71
Gs = 29' 27' 59.0"
Ls = 180.00'
LT = 121.71'
ST = 61.55'

Pls Sta 13+71.82
Δ = 95' 15' 04.3" (RT)
D = 32' 44' 25.6"
L = 290.93'
T = 191.82'
R = 175.00'
SE = 0.06
RO = SEE PLANS
DS = 25 MPH

Pls Sta 15+32.48
Gs = 29' 27' 59.0"
Ls = 180.00'
LT = 121.71'
ST = 61.55'

SEE SHEET NO. 19 FOR -MLK- PROFILE
SEE SHEET NO. 19 FOR -140RA- PROFILE
SEE SHEET NO. 20 FOR -140LPA- PROFILE
SEE SHEET NO. 20 FOR -140LPD- PROFILE
SEE SHEET NO. 20 FOR -Y9- PROFILE
SEE SHEET NO. 2-2 FOR INTERSECTION AND CURB DETAILS