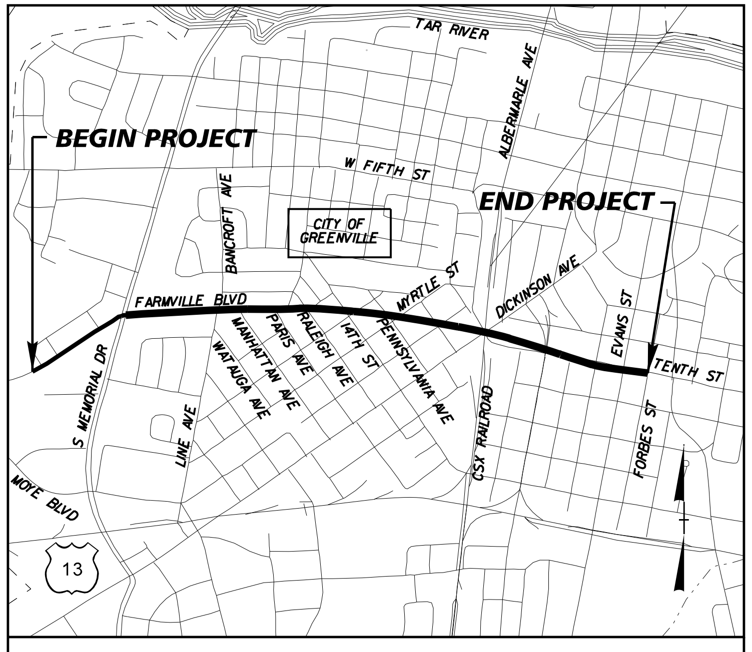
SEE SHEET 1-A FOR INDEX OF SHEETS
SEE SHEET 1-B FOR CONVENTIONAL PLAN SHEET SYMBOLS



VICINITY MAP

STATE OF NORTH CAROLINA
DIVISION OF HIGHWAYS

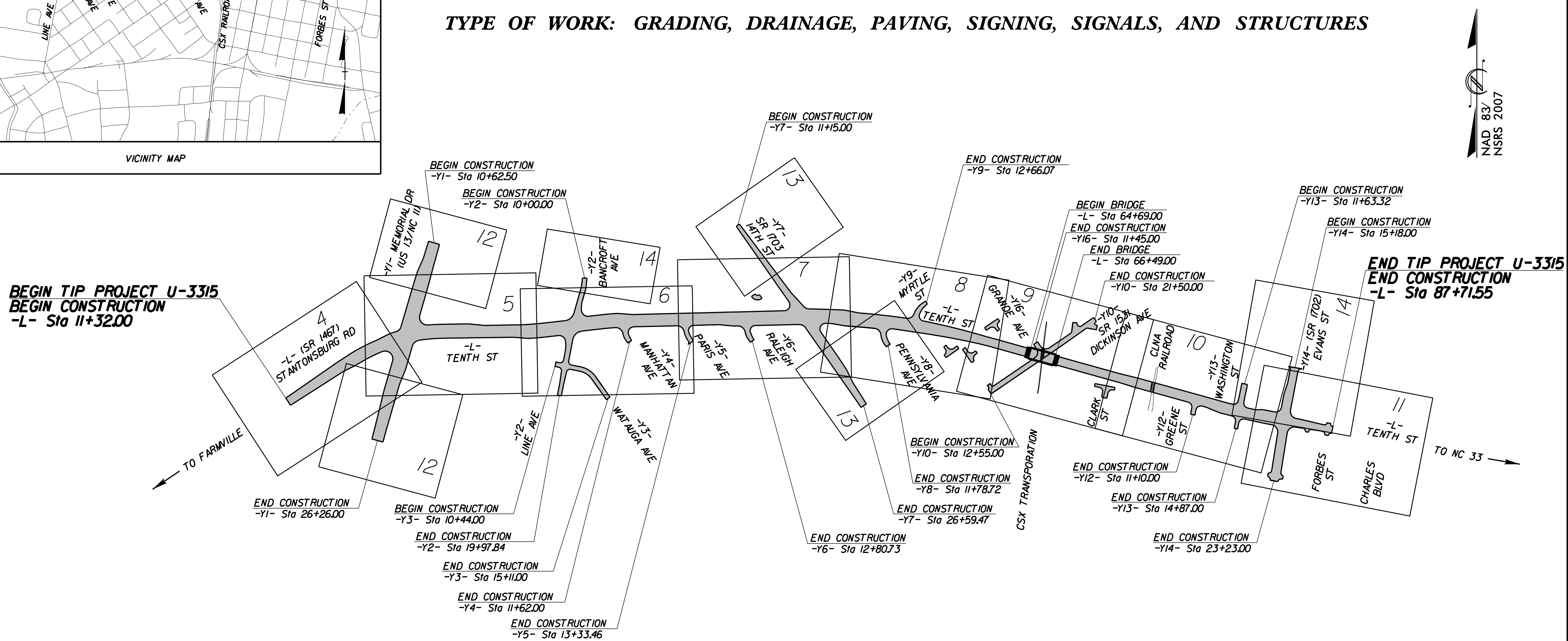
PITT COUNTY

STATE	STATE PROJECT REFERENCE NO.	SHEET NO.	TOTAL SHEETS
N.C.	U-3315	1	

STATE PROJ. NO.	F.A. PROJ. NO.	DESCRIPTION
35781.1.2	HPPSTP-0220(53)	P.E.
35781.1.2	HPPSTP-0220(53)	RIGHT-OF-WAY
35781.1.2	HPPSTP-0220(53)	UTILITIES

LOCATION: ***STANTONSBURG ROAD - TENTH STREET CONNECTOR FROM US 13/NC 11 (MEMORIAL DRIVE) TO SR 1702 (EVANS STREET)***

TYPE OF WORK: ***GRADING, DRAINAGE, PAVING, SIGNING, SIGNALS, AND STRUCTURES***



NCDOT CONTACT: BRENDA MOORE, P.E.
PROJECT ENGINEER
ROADWAY DESIGN UNIT

CLEARING ON THIS PROJECT SHALL BE PERFORMED TO THE LIMITS ESTABLISHED BY METHOD III
THIS PROJECT IS WITHIN THE MUNICIPAL BOUNDARIES OF THE CITY OF GREENVILLE

PRELIMINARY PLANS
DO NOT USE FOR CONSTRUCTION

TIP PROJECT: U-3315

CONTRACT:

GRAPHIC SCALES

40 20 0 40 80
PLANS

40 20 0 40 80
PROFILE (HORIZONTAL)

10 5 0 10 20
PROFILE (VERTICAL)

DESIGN DATA

ADT 2014 = 19,800 VPD
ADT 2034 = 25,700 VPD
DHV = 9%
D = 60%
T = 8% *
V = 40 mph
* (TTST 4% + DUAL 4%)

FUNCTIONAL CLASSIFICATION:
URBAN ARTERIAL
SUB-REGIONAL TIER

PROJECT LENGTH

LENGTH ROADWAY TIP PROJECT U-3315 = 1.413 MILES

LENGTH STRUCTURE TIP PROJECT U-3315 = 0.034 MILES

TOTAL LENGTH TIP PROJECT U-3315 = 1.447 MILES

PLANS PREPARED FOR THE NCDOT BY:

Kimley-Horn and Associates, Inc.
© 2012
Post Office Box 33068
Raleigh, North Carolina 27636
PE NO. F-0102

2012 STANDARD SPECIFICATIONS

RIGHT OF WAY DATE:
MAY 14, 2012

LETTING DATE:
DECEMBER 15, 2014

JEFFREY W. MOORE, P.E.
PROJECT ENGINEER

ELIZABETH W. LYNCH, P.E.
PROJECT DESIGN ENGINEER

HYDRAULICS ENGINEER

SIGNATURE: P.E.

ROADWAY DESIGN ENGINEER

SIGNATURE: P.E.

DIVISION OF HIGHWAYS STATE OF NORTH CAROLINA

STATE OF NORTH CAROLINA DEPARTMENT OF TRANSPORTATION

P.E.
STATE HIGHWAY DESIGN ENGINEER

5/30/2012
K:\RAL_Roadway\011036175 (U-3315)\Roadway\Proj\u3315_rdy_tsh.dgn

PROJECT REFERENCE NO.	SHEET NO.
U-3315	1-B

Note: Not to Scale

***S.U.E. = Subsurface Utility Engineering**

STATE OF NORTH CAROLINA
DIVISION OF HIGHWAYS

PRELIMINARY PLANS
DO NOT USE FOR CONSTRUCTION

CONVENTIONAL PLAN SHEET SYMBOLS

BOUNDARIES AND PROPERTY:

- State Line
- County Line
- Township Line
- City Line
- Reservation Line
- Property Line
- Existing Iron Pin — EIP
- Property Corner
- Property Monument — 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
- Known Soil Contamination: Area or Site
- Potential Soil Contamination: Area or Site

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:

- Baseline Control Point
- Existing Right of Way Marker
- Existing Right of Way Line
- Proposed Right of Way Line — R/W
- 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 — C/A
- Proposed Control of Access — C/A
- 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
- 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 Curb Ramp — CR
- Curb Cut Future Ramp — CCFR
- 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:

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
- 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 — T
- Telephone Booth
- Telephone Pedestal — T
- Telephone Cell Tower
- U/G Telephone Cable Hand Hole
- Recorded U/G Telephone Cable — T
- Designated U/G Telephone Cable (S.U.E.*) — T
- Recorded U/G Telephone Conduit — TC
- Designated U/G Telephone Conduit (S.U.E.*) — TC
- Recorded U/G Fiber Optics Cable — T FO
- Designated U/G Fiber Optics Cable (S.U.E.*) — T FO

WATER:

- Water Manhole — W
- Water Meter
- Water Valve
- Water Hydrant
- Recorded U/G Water Line
- Designated U/G Water Line (S.U.E.*)
- 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 — FSS
- Designated SS Forced Main Line (S.U.E.*) — FSS

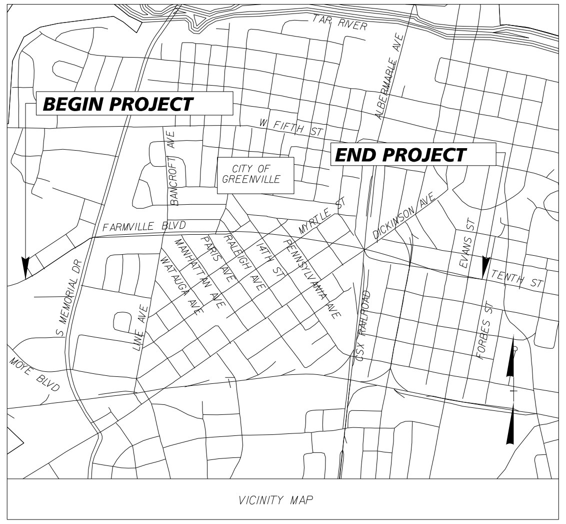
MISCELLANEOUS:

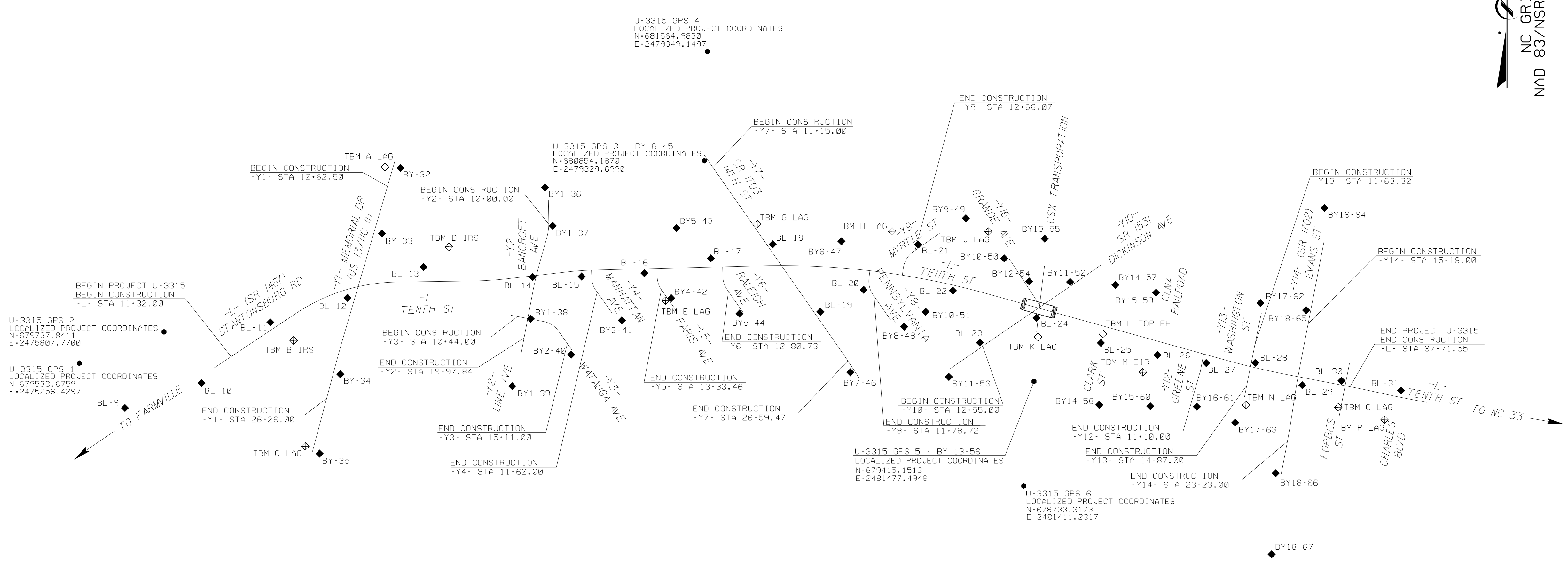
- Utility Pole
- Utility Pole with Base
- Utility Located Object
- Utility Traffic Signal Box — S
- Utility Unknown U/G Line — ?UTL
- U/G Tank; Water, Gas, Oil
- Underground Storage Tank, Approx. Loc. — UST
- A/G Tank; Water, Gas, Oil
- Geoenvironmental Boring
- U/G Test Hole (S.U.E.*)
- Abandoned According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

STATE PROJECT REFERENCE NO.	SHEET NO.
U-3315	1-C

SURVEY CONTROL SHEET U-3315
PITT COUNTY

LOCATION: STANTONSBURG ROAD - TENTH STREET CONNECTOR FROM US 13/NC 11 (MEMORIAL DRIVE) TO SR 1702 (EVANS STREET)





I, PATRICK W. HARTMAN, PLS, CERTIFY THAT THE NORTH CAROLINA STATE PLANE GRID COORDINATES AND ELEVATIONS LISTED WERE DERIVED FROM AN ACTUAL GPS SURVEY AND DIFFERENTIAL LEVELING MADE UNDER MY SUPERVISION AND THE FOLLOWING INFORMATION WAS USED DURING THE PERFORMANCE OF THE WORK:

1) CLASS OF SURVEY: CLASS A (HORIZONTAL), CLASS A (VERTICAL)

2) POSITIONAL ACCURACY: 2 CM

3) TYPE OF GPS FIELD PROCEDURE: NORTH CAROLINA RTK VRS

4) DATE OF SURVEY WORK: 12/3/10, 12/6/10, 12/10/10

5) DATUM/EPOCH: NAD83/NSRS2007

6) PUBLISHED CONTROL/FIXED CONTROL: AS LISTED BELOW AND NORTH CAROLINA RTK VRS

7) GEOID MODEL: GEOID09

8) COMBINED GRID FACTOR: 0.99989453

9) UNITS: US SURVEY FEET

PUBLISHED VERTICAL CONTROL MONUMENTS
NCGS LUPTON
NGVD 29 ELEVATION = 62.10 FEET (18.928 METERS)
NAVD 88 ELEVATION = 60.95 FEET (NGVD 29 + (-) 1.15 FEET)

NCGS STADIUM
NGVD 29 ELEVATION = 55.51 FEET (16.919 METERS)
NAVD 88 ELEVATION = 54.36 FEET (NGVD 29 + (-) 1.15 FEET)

NOTES:

VERTICAL DATUM IS NAVD88 ESTABLISHED FROM NCGS LUPTON AND NCGS STADIUM. (NAVD88 = NGVD29+(-)1.15 FEET).

PROJECT GPS CONTROL ESTABLISHED USING NORTH CAROLINA REAL TIME KINEMATIC VIRTUAL REFERENCE SOLUTION AND BASELINE POINTS WERE ESTABLISHED VIA CONVENTIONAL TRAVERSE METHODS.

U-3315 GPS 7
LOCALIZED PROJECT COORDINATES
N=677427.6519
E=2482778.2385

U-3315 GPS 8
LOCALIZED PROJECT COORDINATES
N=676982.2303
E=2482767.2522

DATUM DESCRIPTION

THE LOCALIZED COORDINATE SYSTEM DEVELOPED FOR THIS PROJECT IS BASED ON THE STATE PLANE COORDINATES ESTABLISHED BY RIVERS AND ASSOCIATES, INC. FOR MONUMENT "GPS U-3315-4" WITH NAD 1983/2007 STATE PLANE COORDINATES OF NORTHING: 681,564.9830 (FT) EASTING: 2,479,349.1497(FT) THE AVERAGE COMBINED GRID FACTOR USED ON THIS PROJECT (GROUND TO GRID) IS: 0.99989453 THE N.C.LAMBERT GRID BEARING AND LOCALIZED HORIZONTAL GROUND DISTANCE FROM "GPS U-3315-4" TO L STATION 11+36.00 IS S 57°21'38.8" W 3686.12' ALL LINEAR DIMENSIONS ARE LOCATLIZED HORIZONTAL DISTANCES VERTICAL DATUM USED IS NAVD 88

NOTE: DRAWING NOT TO SCALE

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5/30/2012

SURVEY CONTROL SHEET U-3315

BL

Point	Description	North	East	Elevation	L STATION	Offset
1	U-3315 GPS 1	679533.6759	2475256.4297	71.06	OUTSIDE PROJECT LIMITS	
2	U-3315 GPS 2	679737.8411	2475807.7700	71.74	OUTSIDE PROJECT LIMITS	
3	U-3315 GPS 4	681564.9830	2479349.1497	69.29	OUTSIDE PROJECT LIMITS	
5	U-3315 GPS 5 - BY 13-56	679415.1513	2481477.4946	55.7900	OUTSIDE PROJECT LIMITS	
6	U-3315 GPS 6	678733.3173	2481411.2317	54.5900	OUTSIDE PROJECT LIMITS	
7	U-3315 GPS 7	677427.6519	2482778.2385	50.7200	OUTSIDE PROJECT LIMITS	
8	U-3315 GPS 8	676982.2303	2482767.2522	45.4000	OUTSIDE PROJECT LIMITS	
9	U-3315 GPS 3 - BY 6-45	680854.1870	2479329.6990	70.1700	10+34.86	20.41 RT
116	BL-18	680308.3542	2479774.3148	63.2100	47+96.63	138.44 LT
117	BL-17	680217.3668	2479370.8711	71.0600	43+93.01	57.00 LT
118	BL-19	679869.9852	2480085.1607	63.0100	51+22.08	293.26 RT
119	BL-16	680120.8253	2478938.5805	68.3900	39+58.45	28.75 RT
122	BL-15	680098.7810	2478529.3076	67.9100	35+47.03	38.59 RT
124	BL-14	680095.4613	2478210.7265	68.7400	32+28.37	7.85 RT
126	BL-13	680160.6591	2477499.9122	69.9200	25+18.20	95.40 LT
130	BL-12	679960.5813	2477003.3606	70.7400	19+99.81	52.38 RT
131	BL-11	679800.2075	2476501.1115	72.1800	14+72.85	43.95 LT
134	BL-10	679404.8344	2476052.8039	74.4800	OUTSIDE PROJECT LIMITS	
135	BL-9	679241.8084	2475553.0184	75.9600	OUTSIDE PROJECT LIMITS	
140	BL-29	679390.1338	2483226.3973	47.9300	83+45.42	49.64 RT
141	BL-30	679420.2799	2483481.1406	50.3000	85+89.83	28.26 LT
143	BL-28	679535.8145	2482919.3543	44.3500	80+14.95	30.60 LT
146	BL-27	679534.9145	2482599.7921	45.7600	77+06.12	52.40 RT
148	BL-26	679587.0507	2482281.7555	46.8000	73+85.75	87.41 RT
151	BL-25	679665.5807	2481913.5840	46.3900	70+10.00	110.44 RT
154	BL-24	679828.6156	2481493.1033	58.3400	65+61.21	66.07 RT
159	BL-23	679667.8177	2481124.8354	63.9800	62+49.51	319.69 RT
161	BL-22	680006.0660	2480948.6168	62.1700	59+87.42	36.27 RT
165	BL-21	680307.4304	2480722.0082	59.9400	57+10.41	214.23 LT
167	BL-20	680011.9426	2480367.5510	61.7500	54+03.71	128.43 RT
174	BL-31	679355.1502	2483869.1980	53.8900	89+82.93	43.18 LT

BY

Point	Description	North	East	Elevation	Y1 STATION	Offset
130	BL-12	679960.5813	2477003.3606	70.74	19+50.50	46.42 RT
132	BY-34	679461.4914	2476957.4210	70.95	24+43.57	45.84 LT
133	BY-33	680380.3014	2477228.2335	70.08	14+84.53	51.60 LT
177	BY-32	680806.6427	2477348.0205	71.19	10+41.71	46.90 LT
178	BY-35	678944.7046	2476821.8241	71.37	OUTSIDE PROJECT LIMITS	

BY1

Point	Description	North	East	ELEVATION	Y2 STATION	Offset
124	BL-14	680095.4613	2478210.7265	68.7400	15+15.87	21.11 RT
127	BY1-38	679824.3385	2478197.0003	68.3900	17+83.88	18.03 LT
129	BY1-37	680429.2884	2478340.8294	69.6200	11+65.38	25.61 LT
175	BY1-36	680680.0029	2478290.1472	68.4500	OUTSIDE PROJECT LIMITS	
176	BY1-39	679384.5104	2478076.8747	70.0300	OUTSIDE PROJECT LIMITS	

BY2

Point	Description	North	East	Elevation	Y3 STATION	Offset
127	BY1-38	679824.3385	2478197.0003	68.3900	11+30.87	2.40 LT
128	BY2-40	679588.8964	2478461.0446	67.1200	OUTSIDE PROJECT LIMITS	

BY3

Point	Description	North	East	Elevation	Y4 STATION	Offset
122	BL-15	680098.7810	2478529.3076	67.9100	10+39.64	65.73 RT
125	BY3-41	679813.0190	2478791.0254	67.4700	OUTSIDE PROJECT LIMITS	

BY4

Point	Description	North	East	Elevation	Y5 STATION	Offset
119	BL-16	680120.8253	2478938.5805	68.3900	10+28.75	82.55 RT
123	BY4-42	679958.2892	2479112.9224	68.7700	12+25.40	20.11 LT

BY5

Point	Description	North	East	Elevation	Y6 STATION	Offset
120	BY5-44	679857.6294	2479558.0405	69.4000	13+28.36	23.27 RT
121	BY5-43	680414.8782	2479147.5602	71.0600	OUTSIDE PROJECT LIMITS	

BY6

Point	Description	North	East	Elevation	Y7 STATION	Offset
9	U-3315 GPS 3 - BY 6-45	680854.1870	2479329.6990	70.1700	10+34.86	20.41 RT
116	BL-18	680308.3542	2479774.3148	63.2100	17+37.03	31.97 LT

BY7

Point	Description	North	East	Elevation	Y7 STATION	Offset
118	BL-19	679869.9852	2480085.1607	63.0100	22+74.40	36.03 LT
171	BY7-46	679474.3350	2480280.8323	64.7700	27+11.47	27.57 RT

BY8

Point	Description	North	East	Elevation	Y8 STATION	Offset
167	BL-20	680011.9426	2480367.5510	61.7500	11+13.80	41.57 RT
168	BY8-48	679771.4957	2480630.8655	61.9200	OUTSIDE PROJECT LIMITS	
169	BY8-47	680328.0651	2480222.3891	59.7700	OUTSIDE PROJECT LIMITS	

BY9

Point	Description	North	East	Elevation	Y9 STATION	Offset
165	BL-21	680307.4304	2480722.0082	59.9400	12+27.80	20.46 LT
166	BY9-49	680478.4429	2481033.6054	55.0400	OUTSIDE PROJECT LIMITS	

BY10

Point	Description	North	East	Elevation	Station	Offset
163	BY10-50	680217.0886	2481283.8012	62.5100	OUTSIDE PROJECT LIMITS	
164	BY10-51	679868.8962	2480771.0314	61.2200	OUTSIDE PROJECT LIMITS	

BY11

Point	Description	North	East	Elevation	Y10 STATION	Offset
154	BL-24	679828.6156	2481493.1033	58.3400	16+48.57	46.08 RT
156	BY11-52	680063.3888	2481712.1135	53.4300	OUTSIDE PROJECT LIMITS	
159	BL-23	679667.8177	2481124.8354	63.9800	12+53.95	29.15 LT
162	BY11-53	679444.4135	2480922.9656	63.7100	OUTSIDE PROJECT LIMITS	

BY12

Point	Description	North	East	Elevation	Y16 STATION	Offset
158	BY12-54	680066.7776	2481446.5156	61.4100	11+77.39	28.19 RT

BY13

Point	Description	North	East	Elevation	Station	Offset
5	U-3315 GPS 5 - BY 13-56	679415.1513	2481477.4946	55.7900	OUTSIDE PROJECT LIMITS	
157	BY13-55	680346.2684	2481546.8434	58.2800	OUTSIDE PROJECT LIMITS	

BY14

Point	Description	North	East	Elevation	Station	Offset
152	BY14-58	679262.1409	2481902.5769	46.7000	OUTSIDE PROJECT LIMITS	
153	BY14-57	680044.4147	2482007.3869	48.5600	OUTSIDE PROJECT LIMITS	

BY15

Point	Description	North	East	Elevation	Station	Offset
149	BY15-60	679253.5309	2482235.3519	49.2000	OUTSIDE PROJECT LIMITS	
150	BY15-59	679993.3426	2482273.0640	47.3000	OUTSIDE PROJECT LIMITS	

BY16

Point	Description	North	East	Elevation	Y12 STATION	Offset
146	BL-27	679534.9145	2482599.7921	45.7600	10+54.80	27.16 LT
147	BY16-61	679250.0118	2482539.0579	51.4500	OUTSIDE PROJECT LIMITS	

BY17

Point	Description	North	East	Elevation	Y13 STATION	Offset
143	BL-28	679535.8145	2482919.3543	44.3500	13+29.10	25.57 LT
144	BY17-63	679146.6385	2482788.7338	49.2900	OUTSIDE PROJECT LIMITS	
145	BY17-62	679926.9652	2482952.7073	40.8400	OUTSIDE PROJECT LIMITS	

BY18

Point	Description	North	East	Elevation	Y14 STATION	Offset
138	BY18-67	678287.8013	2483025.7588	54.3700	OUTSIDE PROJECT LIMITS	
139	BY18-66	678816.7435	2483051.8879	55.3800	OUTSIDE PROJECT LIMITS	
140	BL-29	679390.1338	2483226.3973	47.9300	19+45.67	37.46 LT
142	BY18-65	679879.9694	2483250.6847	45.3600	14+59.11	29.91 RT
173	BY18-64	680545.4537	2483369.8376	38.9900	OUTSIDE PROJECT LIMITS	

TBM

Point	Description	North	East	Elevation	Station	Offset
732	TBM B IRS	679682.6123	2476652.2832	71.7500	-L- 15+33.47	137.72 RT
919	TBM A LAG	680813.1827	2477248.0291	71.2600	-Y1- 10+63.50	50.90 RT
1524	TBM C LAG	678992.1739	2476728.4981	73.7900	-Y1- 29+55.99	54.57 RT
2966	TBM E LAG	679941.8134	2479076.9036	69.9800	-Y5- 12+18.26	18.84 RT
3820	TBM G LAG	680440.9307	2479674.6114	65.8500	-Y7- 15+71.25	26.07 LT
13555	TBM H LAG	680393.3310	2480552.5224	60.5400	-Y9- 11+58.65	190.10 LT
13557	TBM J LAG	680392.9112	2481179.1688	57.7500	-L- 61+14.76	394.35 LT
13559	TBM K LAG	679705.5765	2481503.3853	58.7700	-Y10- 15+87.63	153.46 RT
13561	TBM L TOP FH	679723.1326	2481928.4618	48.9600	-L- 70+08.91	51.00 RT
13563	TBM M EIR	679475.0404	2482186.5725	48.3900	-L- 73+24.07	220.84 RT
13565	TBM N LAG	679261.9851	2482857.4619	49.1800	-L- 80+18.00	250.12 RT
13567	TBM O LAG	679246.3831	2483460.0431	54.7200	-Y15- 12+94.37	17.21 RT
13569	TBM P LAG	679165.0304	2483761.3061	55.0400	-L- 89+17.29	165.03 RT
13579	TBM D IRS	680292.8637	2477664.4376	70.5500	-L- 26+84.68	225.13 LT

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

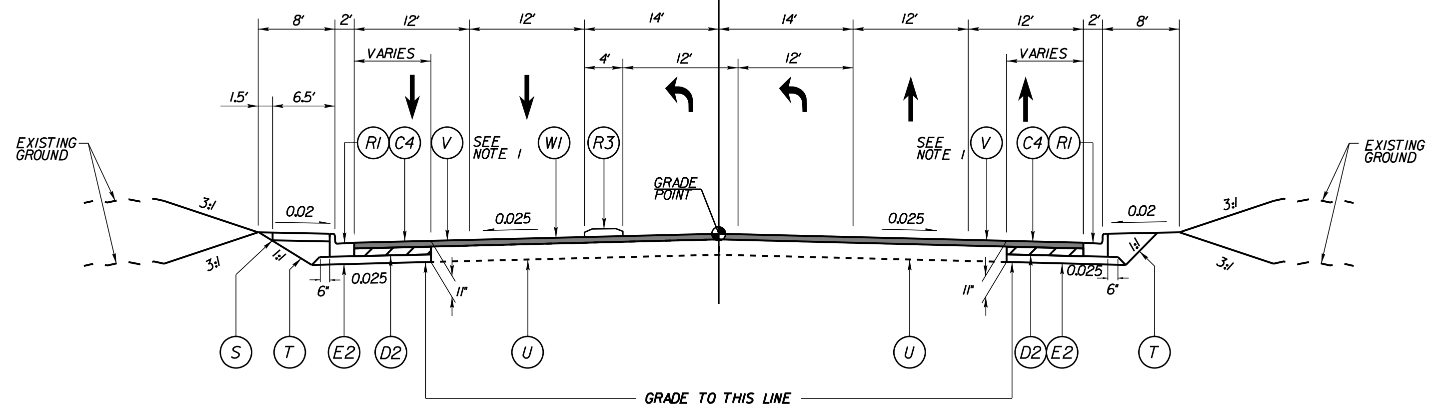
PROJECT REFERENCE NO.	SHEET NO.
U-3315	2
R/W SHEET NO.	
ROADWAY ENGINEER	PAVEMENT DESIGN ENGINEER

RIGHT-OF-WAY REV.
CONST. REV.

PRELIMINARY PLANS
DO NOT USE FOR CONSTRUCTION

REVISIONS

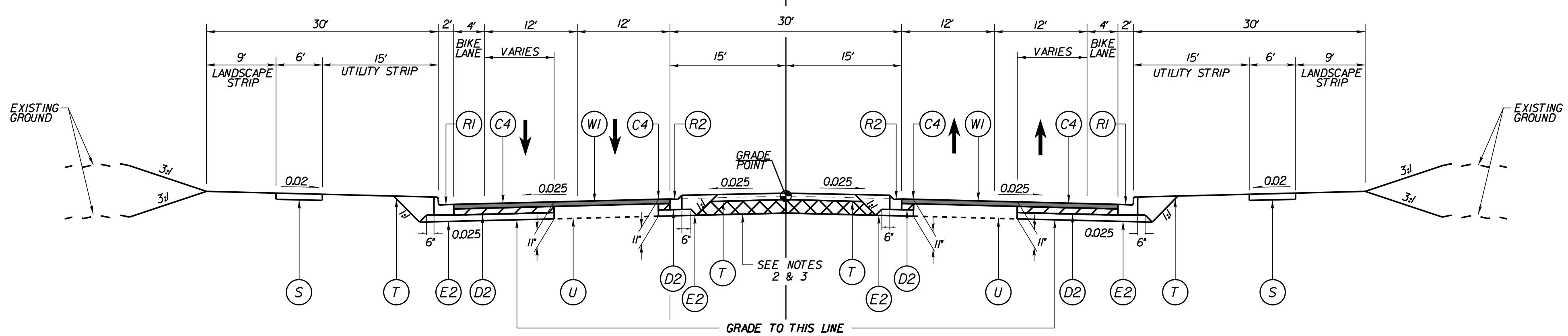
℄ -L- STANTONSBURG ROAD (SR 1467)



TYPICAL SECTION NO. 1

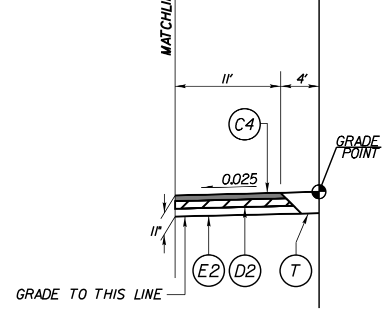
-L- STA 11+32.00 TO STA 20+34.32

℄ -L- TENTH STREET (SR 1598)



TYPICAL SECTION NO. 2

-L- STA 21+39.61 TO STA 57+00.00



TYPICAL SECTION NO. 2A

TEMPORARY WIDENING
-L- STA 25+88.00 TO STA 31+82.00

PAVEMENT SCHEDULE

C1	PROPOSED APPROX 1.5" ASPHALT CONCRETE SURFACE COURSE TYPE S9.5B, AT AN AVERAGE RATE OF 168 LBS. PER SQ.YD.
C2	PROPOSED APPROX 1.5" ASPHALT CONCRETE SURFACE COURSE TYPE S9.5C, AT AN AVERAGE RATE OF 168 LBS. PER SQ.YD.
C3	PROPOSED APPROX 3" ASPHALT CONCRETE SURFACE COURSE TYPE S9.5B, AT AN AVERAGE RATE OF 168 LBS. PER SQ.YD. IN EACH OF TWO LAYERS.
C4	PROPOSED APPROX 3" ASPHALT CONCRETE SURFACE COURSE TYPE S9.5C, AT AN AVERAGE RATE OF 168 LBS. PER SQ.YD. IN EACH OF TWO LAYERS.
C5	PROPOSED VAR. DEPTH ASPHALT CONCRETE SURFACE COURSE, TYPE S9.5B, AT AN AVERAGE RATE OF 112 LBS. PER SQ.YD. PER 1" DEPTH. TO BE PLACED IN LAYERS NOT LESS THAN 1" IN DEPTH OR GREATER THAN 1½" IN DEPTH.
C6	PROPOSED VAR. DEPTH ASPHALT CONCRETE SURFACE COURSE, TYPE S9.5C, AT AN AVERAGE RATE OF 112 LBS. PER SQ.YD. PER 1" DEPTH. TO BE PLACED IN LAYERS NOT LESS THAN 1" IN DEPTH OR GREATER THAN 1½" IN DEPTH.
D1	PROPOSED APPROX. 4" ASPHALT CONCRETE INTERMEDIATE COURSE TYPE I19.0B, AT AN AVERAGE RATE OF 456 LBS. PER SQ.YD.
D2	PROPOSED APPROX. 4" ASPHALT CONCRETE INTERMEDIATE COURSE TYPE I19.0C, AT AN AVERAGE RATE OF 456 LBS. PER SQ.YD.
D3	PROPOSED VAR. DEPTH ASPHALT CONCRETE INTERMEDIATE COURSE, TYPE I19.0B, AT AN AVERAGE RATE OF 114 LBS. PER SQ.YD. PER 1" DEPTH TO BE PLACED IN LAYERS NOT LESS THAN 2.5" OR GREATER THAN 4" IN DEPTH.
D4	PROPOSED VAR. DEPTH ASPHALT CONCRETE INTERMEDIATE COURSE, TYPE I19.0C, AT AN AVERAGE RATE OF 114 LBS. PER SQ.YD. PER 1" DEPTH TO BE PLACED IN LAYERS NOT LESS THAN 2.5" OR GREATER THAN 4" IN DEPTH.
E1	PROPOSED APPROX. 4" ASPHALT CONCRETE BASE COURSE TYPE B25.0B, AT AN AVERAGE RATE OF 456 LBS. PER SQ.YD.
E2	PROPOSED APPROX. 4" ASPHALT CONCRETE BASE COURSE TYPE B25.0C, AT AN AVERAGE RATE OF 456 LBS. PER SQ.YD.
E3	PROPOSED APPROX. 5" ASPHALT CONCRETE BASE COURSE TYPE B25.0C, AT AN AVERAGE RATE OF 570 LBS. PER SQ.YD.
E4	PROPOSED VAR. DEPTH ASPHALT CONCRETE BASE COURSE, TYPE B25.0B, AT AN AVERAGE RATE OF 114 LBS. PER SQ.YD. PER 1" DEPTH TO BE PLACED IN LAYERS NOT LESS THAN 3" OR GREATER THAN 5.5" IN DEPTH.
E5	PROPOSED VAR. DEPTH ASPHALT CONCRETE BASE COURSE, TYPE B25.0C, AT AN AVERAGE RATE OF 114 LBS. PER SQ.YD. PER 1" DEPTH TO BE PLACED IN LAYERS NOT LESS THAN 3" OR GREATER THAN 5.5" IN DEPTH.
R1	PROPOSED 2'-6" CONCRETE CURB & GUTTER
R2	PROPOSED 1'-6" CONCRETE CURB & GUTTER
R3	PROPOSED 5" MONOLITHIC CONCRETE ISLAND (KEYED-IN)
S	PROPOSED 4" CONCRETE SIDEWALK
T	EARTH MATERIAL
U	EXISTING PAVEMENT
V	MILLING EXISTING PAVEMENT (SEE DETAIL, SHEET 2-A)
W	VARIABLE DEPTH ASPHALT PAVEMENT (SEE DETAILS, SHEET 2-A)

NOTE: PAVEMENT EDGE SLOPES ARE 1:1 UNLESS OTHERWISE INDICATED

NOTES:
1. MILL NOTCH TO KEY-IN S9.5C FROM -L- STA 11+32.00 TO 11+84.00
2. REMOVE EXISTING ASPHALT PAVEMENT TO EXISTING SUBGRADE EXCEPT WHERE NOTED.
3. REMOVE EXISTING ASPHALT PAVEMENT TO THE TOP OF EXISTING ABC AND REPLACE WITH I19.0C PRIOR TO PLACING THE OVERLAY FROM -L- STA 27+50 TO 32+50.

Kimley-Horn
and Associates, Inc.

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

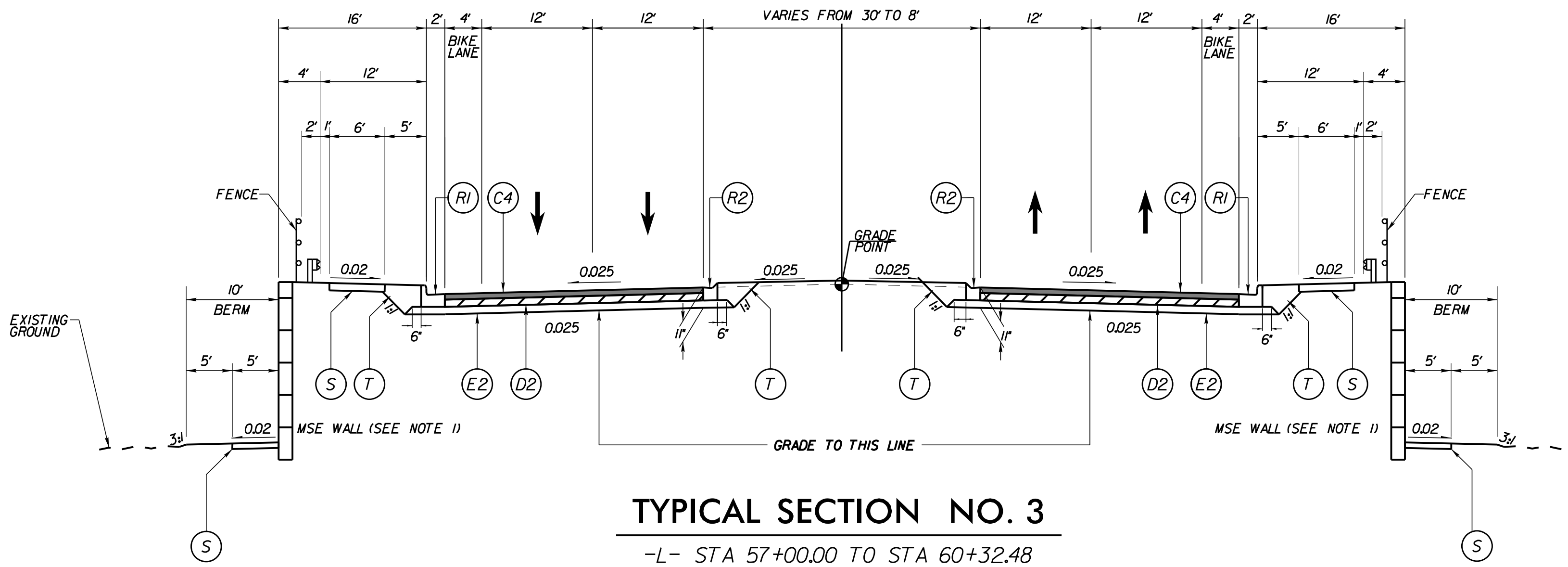
PROJECT REFERENCE NO.	SHEET NO.
U-3315	2-A
R/W SHEET NO.	
ROADWAY ENGINEER	PAVEMENT DESIGN ENGINEER

RIGHT-OF-WAY REV.
CONST. REV.

PRELIMINARY PLANS
DO NOT USE FOR CONSTRUCTION

REVISIONS

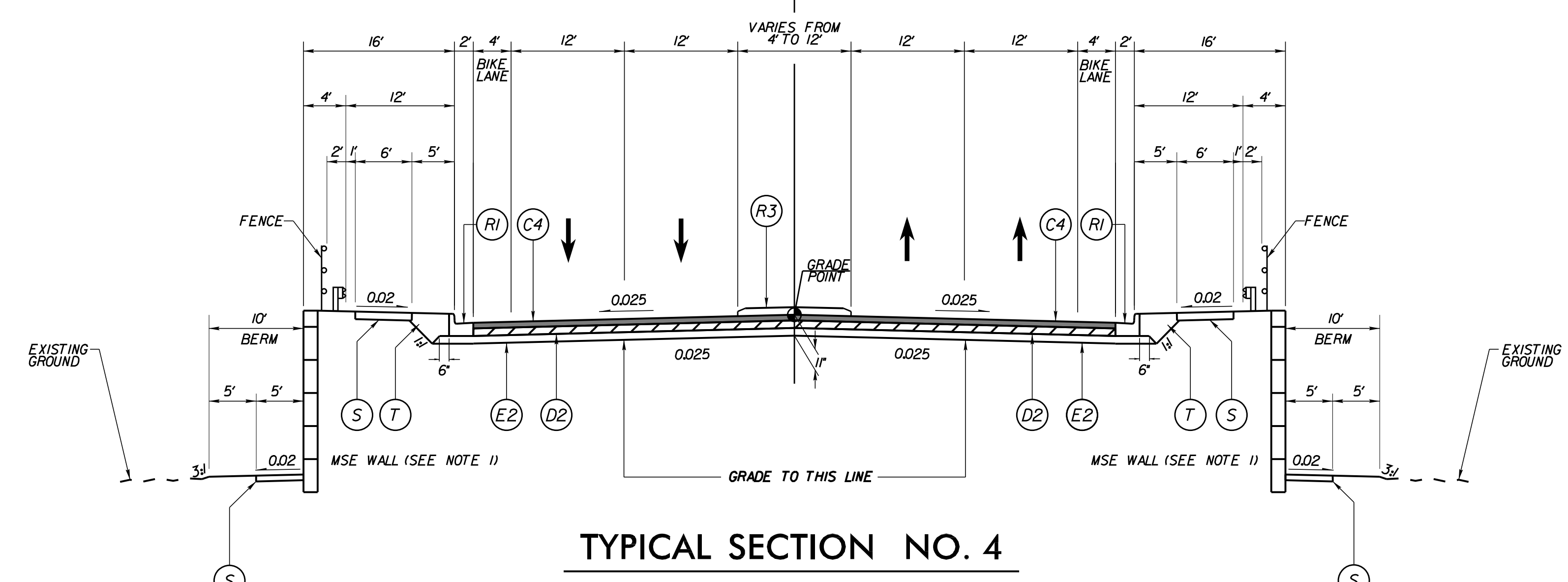
℄ -L- TENTH STREET (SR 1598)



TYPICAL SECTION NO. 3

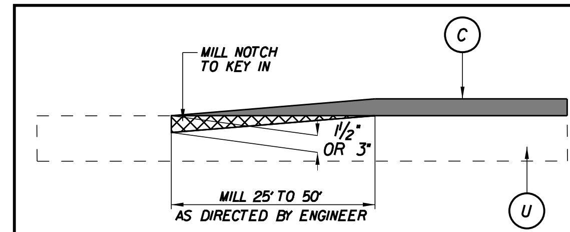
-L- STA 57+00.00 TO STA 60+32.48

℄ -L- TENTH STREET (SR 1598)

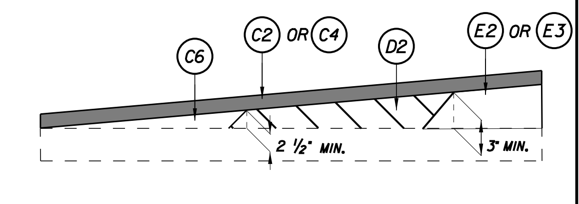


TYPICAL SECTION NO. 4

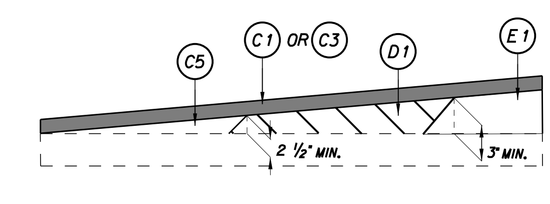
-L- STA 60+32.48 TO STA 64+69.00 (BEGIN BRIDGE)
-L- STA 66+49.00 (END BRIDGE) TO STA 73+55.62



MILLING DETAIL



WEDGING DETAIL FOR RESURFACING W1



WEDGING DETAIL FOR RESURFACING W2

NOTE:
1. SEE PLANS FOR MSE WALL LOCATIONS

PAVEMENT SCHEDULE

C1	1.5" S9.5B
C2	1.5" S9.5C
C3	3" S9.5B
C4	3" S9.5C
C5	VAR. DEPTH S9.5B
C6	VAR. DEPTH S9.5C
D1	4" I19.0B
D2	4" I19.0C
D3	VAR. DEPTH I19.0B
D4	VAR. DEPTH I19.0C
E1	4" B25.0B
E2	4" B25.0C
E3	5" B25.0C
E4	VAR. DEPTH B25.0B
E5	VAR. DEPTH B25.0C
R1	2'-6" CONCRETE CURB & GUTTER
R2	1'-6" CONCRETE CURB & GUTTER
R3	5" MONOLITHIC CONCRETE ISLAND (KEYED-IN)
S	4" CONCRETE SIDEWALK
T	EARTH MATERIAL
U	EXISTING PAVEMENT
V	MILLING EXISTING PAVEMENT (VARIABLE)
W	VARIABLE DEPTH ASPHALT PAVEMENT

NOTE: PAVEMENT EDGE SLOPES ARE 1:1 UNLESS OTHERWISE INDICATED

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5/30/2012

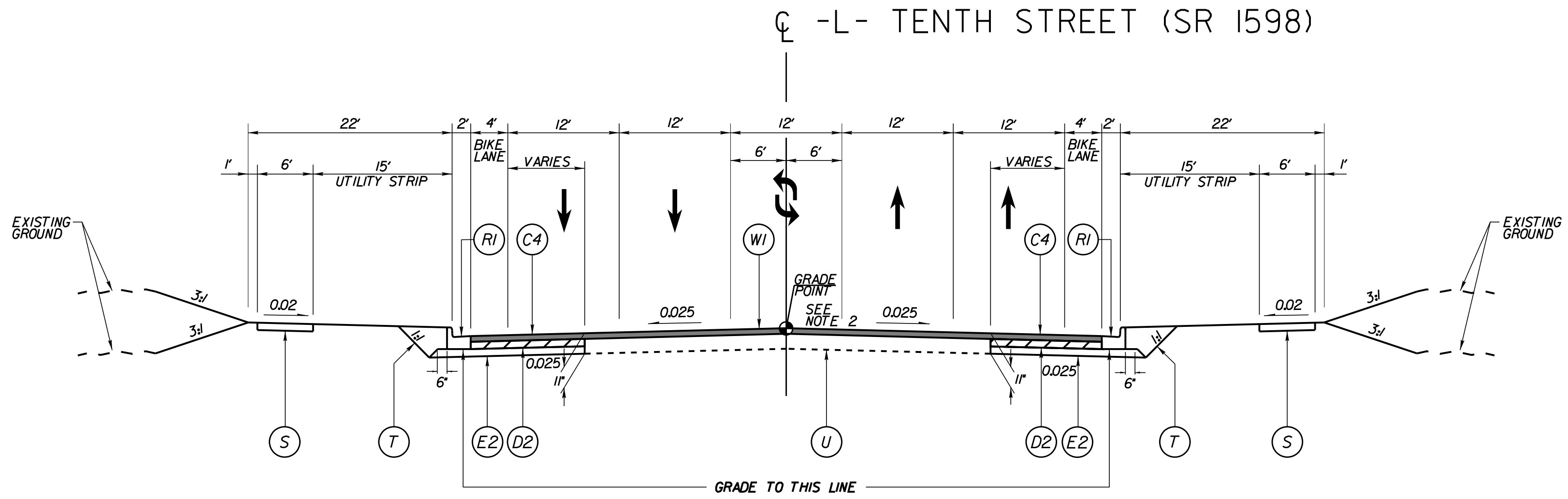
PROJECT REFERENCE NO.	SHEET NO.
U-3315	2-B

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

R/W SHEET NO.
ROADWAY ENGINEER
PAVEMENT DESIGN ENGINEER
RIGHT-OF-WAY REV.
CONST. REV.

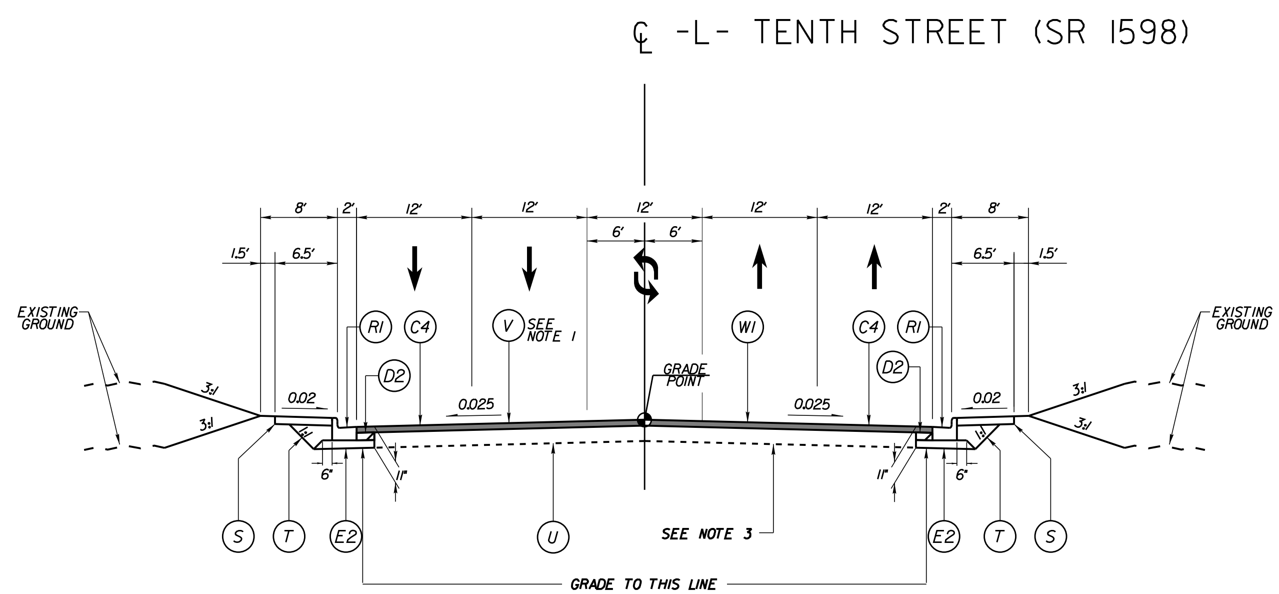
PRELIMINARY PLANS
DO NOT USE FOR CONSTRUCTION

REVISIONS



TYPICAL SECTION NO. 5

-L- STA 73+65.66 TO STA 83+06.89



TYPICAL SECTION NO. 6

-L- STA 83+06.89 TO STA 86+52.00

PAVEMENT SCHEDULE

C1	1.5" S9.5B
C2	1.5" S9.5C
C3	3" S9.5B
C4	3" S9.5C
C5	VAR. DEPTH S9.5B
C6	VAR. DEPTH S9.5C
D1	4" I19.0B
D2	4" I19.0C
D3	VAR. DEPTH I19.0B
D4	VAR. DEPTH I19.0C
E1	4" B25.0B
E2	4" B25.0C
E3	5" B25.0C
E4	VAR. DEPTH B25.0B
E5	VAR. DEPTH B25.0C
R1	2'-6" CONCRETE CURB & GUTTER
R2	1'-6" CONCRETE CURB & GUTTER
R3	5" MONOLITHIC CONCRETE ISLAND (KEYED-IN)
S	4" CONCRETE SIDEWALK
T	EARTH MATERIAL
U	EXISTING PAVEMENT
V	MILLING EXISTING PAVEMENT (VARIABLE)
W	VARIABLE DEPTH ASPHALT PAVEMENT

NOTE: PAVEMENT EDGE SLOPES ARE 1:1 UNLESS OTHERWISE INDICATED

NOTES:
1. MILL NOTCH TO KEY-IN S9.5C FROM -L- STA 85+27.00 TO STA 86+52.00
2. SEE TYPICAL SECTION NO.4 FOR CONCRETE ISLAND FROM -L- STA 73+90.00 TO STA 74+90.00
3. REMOVE EXIST ASPHALT PAVEMENT TO THE TOP OF EXISTING ABC AND/OR CONCRETE AND REPLACE WITH I19.0C PRIOR TO PLACING THE OVERLAY FROM -L- STA 77+50 TO 87+00

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5/30/2012

PROJECT REFERENCE NO.	SHEET NO.
U-3315	2-C
R/W SHEET NO.	

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

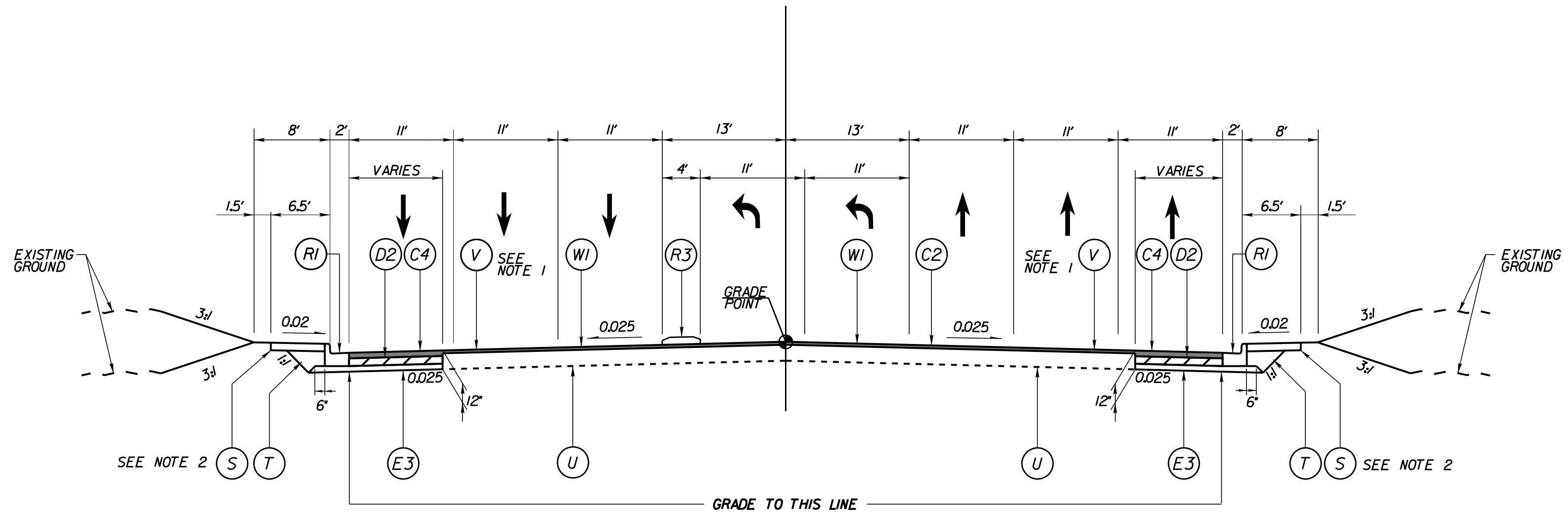
RIGHT-OF-WAY REV.
CONST. REV.

ROADWAY ENGINEER
PAVEMENT DESIGN ENGINEER

PRELIMINARY PLANS
DO NOT USE FOR CONSTRUCTION

REVISIONS

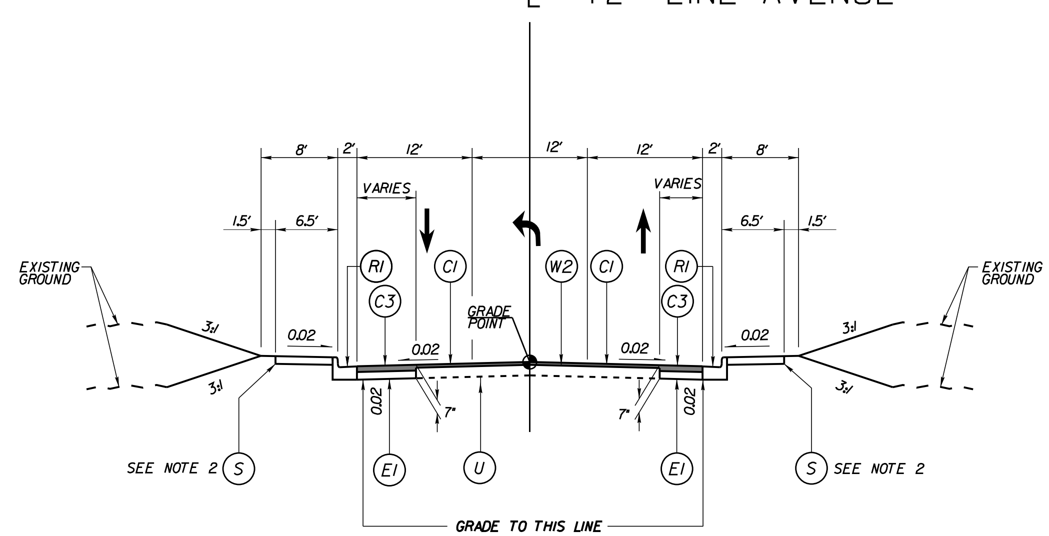
℄ -Y1- MEMORIAL DRIVE (US 13/NC 11)



TYPICAL SECTION NO. 7

-Y1- STA 10+95.00 TO STA 26+26.00

-Y2- BANCROFT AVENUE
℄ -Y2- LINE AVENUE



TYPICAL SECTION NO. 8

-Y2- STA 11+55.00 TO STA 14+53.87
-Y2- STA 15+45.55 TO STA 19+95.00

NOTES:
1. MILL NOTCH TO KEY-IN S9.5C FROM -Y1-
STA 10+95.00 TO 12+55.00 AND STA 25+44.00 TO 26+26.00
2. SIDEWALK LOCATIONS VARY (SEE PLANS)

PAVEMENT SCHEDULE

C1	1.5" S9.5B
C2	1.5" S9.5C
C3	3" S9.5B
C4	3" S9.5C
C5	VAR. DEPTH S9.5B
C6	VAR. DEPTH S9.5C
D1	4" I19.0B
D2	4" I19.0C
D3	VAR. DEPTH I19.0B
D4	VAR. DEPTH I19.0C
E1	4" B25.0B
E2	4" B25.0C
E3	5" B25.0C
E4	VAR. DEPTH B25.0B
E5	VAR. DEPTH B25.0C
R1	2'-6" CONCRETE CURB & GUTTER
R2	1'-6" CONCRETE CURB & GUTTER
R3	5" MONOLITHIC CONCRETE ISLAND (KEYED-IN)
S	4" CONCRETE SIDEWALK
T	EARTH MATERIAL
U	EXISTING PAVEMENT
V	MILLING EXISTING PAVEMENT (VARIABLE)
W	VARIABLE DEPTH ASPHALT PAVEMENT

NOTE: PAVEMENT EDGE SLOPES ARE 1:1 UNLESS OTHERWISE INDICATED

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5/30/2012

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

PROJECT REFERENCE NO.	SHEET NO.
U-3315	2-D

R/W SHEET NO.

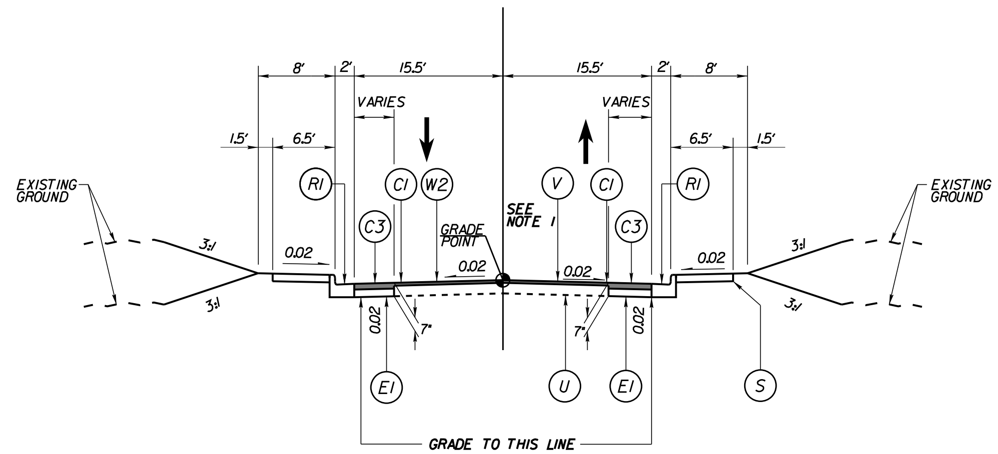
ROADWAY ENGINEER | PAVEMENT DESIGN ENGINEER

PRELIMINARY PLANS
DO NOT USE FOR CONSTRUCTION

RIGHT-OF-WAY REV.
CONST. REV.

REVISIONS

℄ -Y3- WATAUGA AVENUE



TYPICAL SECTION NO. 9

-Y3- STA 10+44.00 TO STA 10+94.85
-Y3- STA 11+30.85 TO STA 15+11.00

NOTES:
1. MILL NOTCH TO KEY-IN S9.5B AT ENDS OF -Y- LINES
2. SIDEWALK LOCATIONS VARY (SEE PLANS)
3. PAVEMENT SECTIONS APPLY TO TYPE "T" TURNAROUNDS

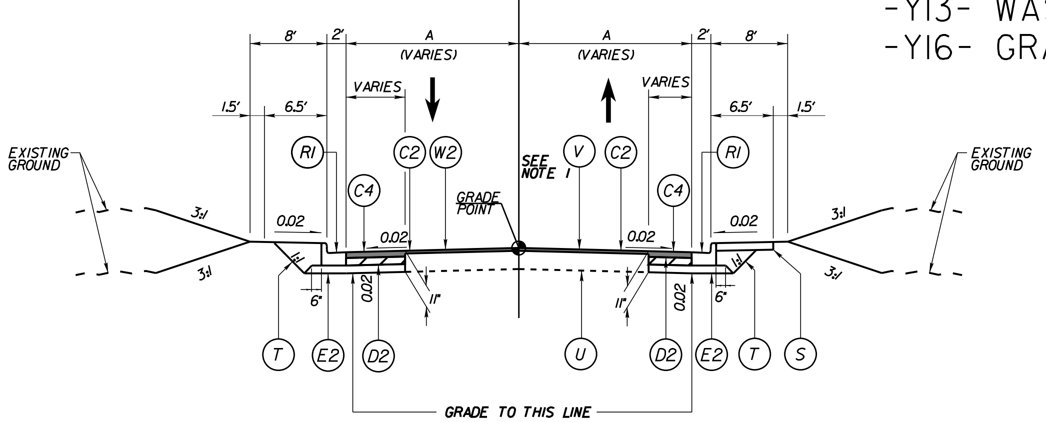
	A
-Y4-	16'
-Y5-	15.5'
-Y6-	16'
-Y8-	16'
-Y9-	VARIES
-Y12-	15'
-Y13-	VARIES
-Y16-	16.5'

PAVEMENT SCHEDULE

C1	1.5" S9.5B
C2	1.5" S9.5C
C3	3" S9.5B
C4	3" S9.5C
C5	VAR. DEPTH S9.5B
C6	VAR. DEPTH S9.5C
D1	4" I19.0B
D2	4" I19.0C
D3	VAR. DEPTH I19.0B
D4	VAR. DEPTH I19.0C
E1	4" B25.0B
E2	4" B25.0C
E3	5" B25.0C
E4	VAR. DEPTH B25.0B
E5	VAR. DEPTH B25.0C
R1	2'-6" CONCRETE CURB & GUTTER
R2	1'-6" CONCRETE CURB & GUTTER
R3	5" MONOLITHIC CONCRETE ISLAND (KEYED-IN)
S	4" CONCRETE SIDEWALK
T	EARTH MATERIAL
U	EXISTING PAVEMENT
V	MILLING EXISTING PAVEMENT (VARIABLE)
W	VARIABLE DEPTH ASPHALT PAVEMENT

NOTE: PAVEMENT EDGE SLOPES ARE 1:1 UNLESS OTHERWISE INDICATED

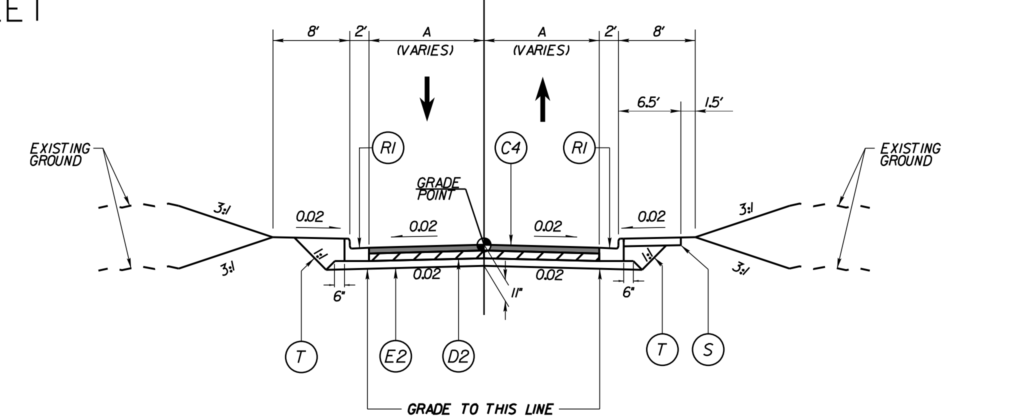
-Y4- MANHATTAN AVENUE
-Y5- PARIS AVENUE
-Y6- RALEIGH AVENUE
-Y8- PENNSYLVANIA AVENUE
-Y9- MYRTLE STREET
-Y12- GREENE STREET
-Y13- WASHINGTON STREET
-Y16- GRANDE AVENUE



TYPICAL SECTION NO. 10

-Y4- STA 11+00.00 TO STA 11+55.00
-Y5- STA 11+00.00 TO STA 11+67.00
-Y6- STA 11+35.00 TO STA 11+70.00
-Y8- STA 11+00.00 TO STA 11+75.00
-Y9- STA 11+25.00 TO STA 12+54.00
-Y12- STA 10+34.00 TO STA 11+04.00
-Y13- STA 11+66.00 TO STA 13+24.80
-Y13- STA 14+04.86 TO STA 14+87.00

-Y4- MANHATTAN AVENUE
-Y5- PARIS AVENUE
-Y6- RALEIGH AVENUE
-Y8- PENNSYLVANIA AVENUE
-Y9- MYRTLE STREET



TYPICAL SECTION NO. 11

-Y4- STA 10+43.00 TO STA 11+00.00
-Y5- STA 10+43.00 TO STA 11+00.00
-Y6- STA 10+55.00 TO STA 11+35.00
-Y8- STA 10+43.00 TO STA 11+00.00
-Y9- STA 10+43.00 TO STA 11+25.00

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5/30/2012

PROJECT REFERENCE NO.	SHEET NO.
U-3315	2-E

R/W SHEET NO.

ROADWAY ENGINEER

PAVEMENT DESIGN ENGINEER

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

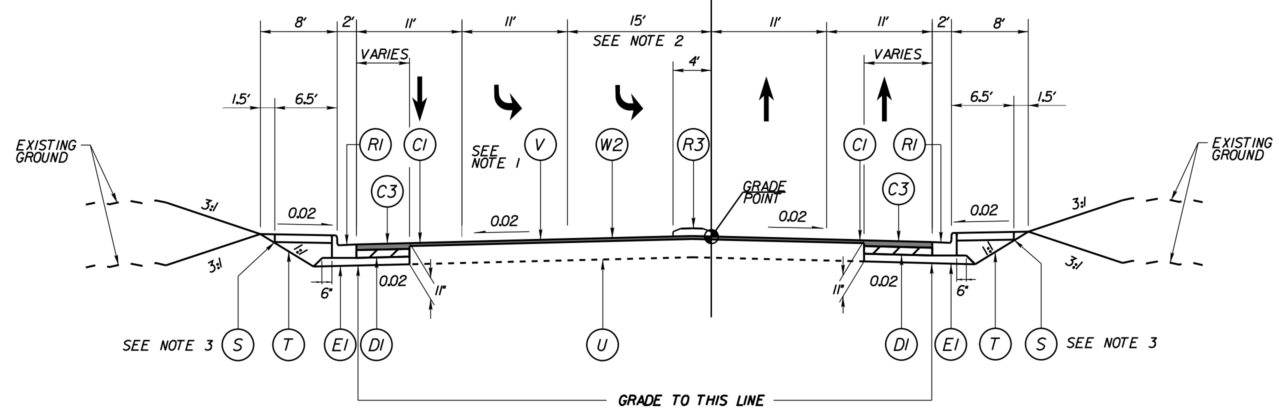
RIGHT-OF-WAY REV.

CONST. REV.

PRELIMINARY PLANS
DO NOT USE FOR CONSTRUCTION

REVISIONS

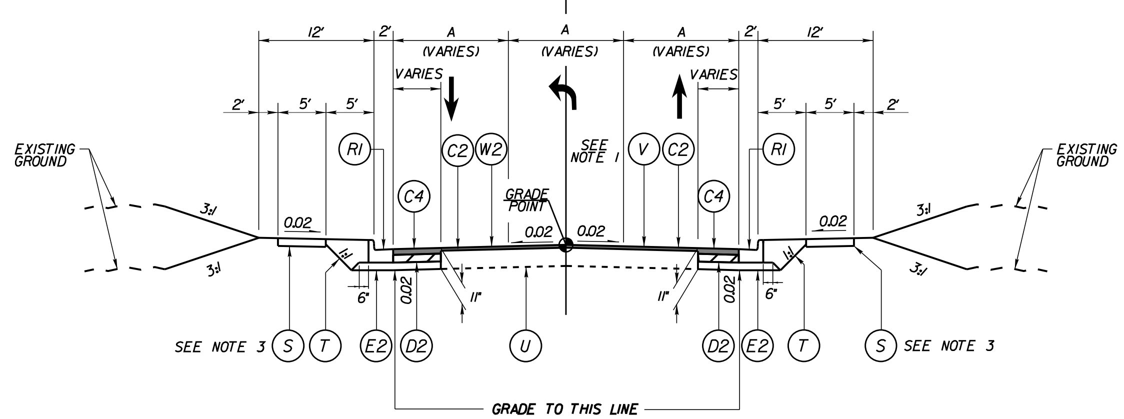
℄ -Y7- WEST 14TH STREET (SR 1703)



TYPICAL SECTION NO. 12

-Y7- STA 11+15.00 TO STA 18+30.83
-Y7- STA 19+35.74 TO STA 26+40.00

℄ -Y10- DICKINSON AVEENUE (SR 1531)
-Y16- GRANDE AVENUE



TYPICAL SECTION NO. 13

-Y10- STA 12+55.00 TO STA 16+97.26
-Y10- STA 17+10.49 TO STA 21+50.00
-Y16- STA 10+24.07 TO STA 11+05.00

	A
-Y10-	12'
-Y11-	11'

NOTES:
1. MILL NOTCH TO KEY-IN S9.5B AT ENDS OF -Y- LINES
2. PAVEMENT WIDTHS VARY (SEE PLANS)
3. SIDEWALK LOCATIONS VARY (SEE PLANS)

PAVEMENT SCHEDULE

C1	1.5" S9.5B
C2	1.5" S9.5C
C3	3" S9.5B
C4	3" S9.5C
C5	VAR. DEPTH S9.5B
C6	VAR. DEPTH S9.5C
D1	4" I19.0B
D2	4" I19.0C
D3	VAR. DEPTH I19.0B
D4	VAR. DEPTH I19.0C
E1	4" B25.0B
E2	4" B25.0C
E3	5" B25.0C
E4	VAR. DEPTH B25.0B
E5	VAR. DEPTH B25.0C
R1	2'-6" CONCRETE CURB & GUTTER
R2	1'-6" CONCRETE CURB & GUTTER
R3	5" MONOLITHIC CONCRETE ISLAND (KEYED-IN)
S	4" CONCRETE SIDEWALK
T	EARTH MATERIAL
U	EXISTING PAVEMENT
V	MILLING EXISTING PAVEMENT (VARIABLE)
W	VARIABLE DEPTH ASPHALT PAVEMENT

NOTE: PAVEMENT EDGE SLOPES ARE 1:1 UNLESS OTHERWISE INDICATED

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5/30/2012

PROJECT REFERENCE NO.	SHEET NO.
U-3315	2-F

R/W SHEET NO.

ROADWAY ENGINEER

PAVEMENT DESIGN ENGINEER

Kimley-Horn and Associates, Inc.

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

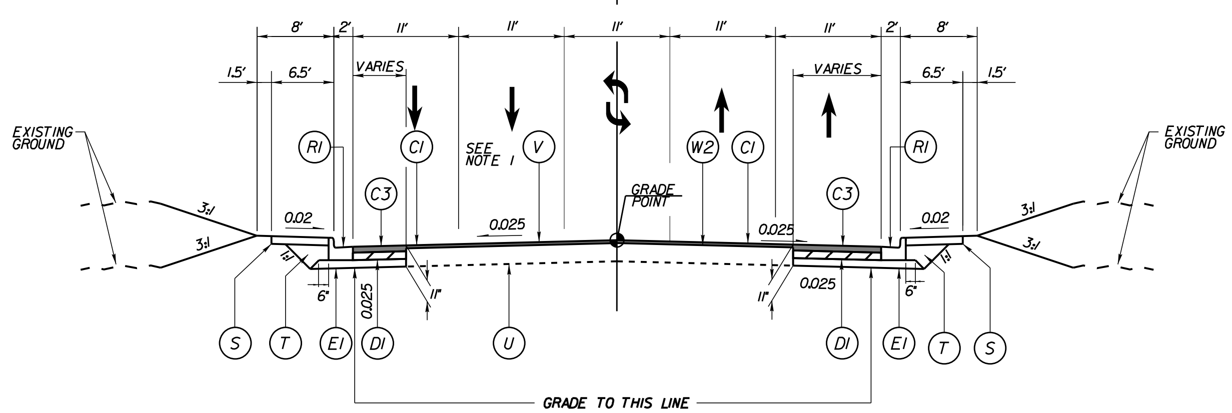
RIGHT-OF-WAY REV.

CONST. REV.

PRELIMINARY PLANS
DO NOT USE FOR CONSTRUCTION

REVISIONS

℄ -Y14- EVANS STREET (SR 1702)

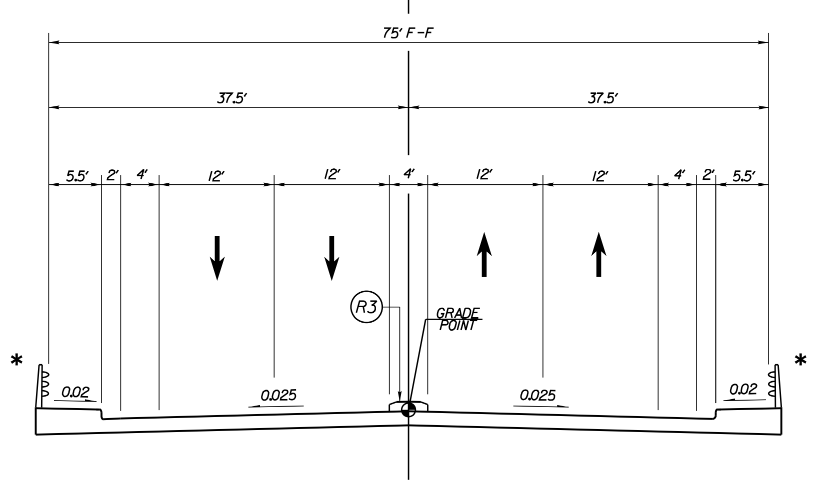


TYPICAL SECTION NO. 14

-Y14- STA 15+18.00 TO STA 18+61.03
-Y14- STA 19+29.03 TO STA 23+23.00

NOTES:
1.MILL NOTCH TO KEY-IN S9.5B FROM -Y14- STA 15+18.00 TO 13+20.00 AND STA 22+73.00 TO 23+23.00
2.SIDEWALK LOCATIONS AND WIDTHS VARY (SEE PLANS)
3.CONSTRUCT 10' SIDEWALK FROM -Y14- STA 16+34.78 TO 18+09.04 LT.

℄ -L- TENTH STREET (SR 1598)



TYPICAL SECTION ON STRUCTURE

-L- STA 64+69.00 TO STA 66+49.00

* FINAL BRIDGE RAIL TO BE DETERMINED BY STRUCTURE DESIGN UNIT

PAVEMENT SCHEDULE

C1	1.5" S9.5B
C2	1.5" S9.5C
C3	3" S9.5B
C4	3" S9.5C
C5	VAR. DEPTH S9.5B
C6	VAR. DEPTH S9.5C
D1	4" I19.0B
D2	4" I19.0C
D3	VAR. DEPTH I19.0B
D4	VAR. DEPTH I19.0C
E1	4" B25.0B
E2	4" B25.0C
E3	5" B25.0C
E4	VAR. DEPTH B25.0B
E5	VAR. DEPTH B25.0C
R1	2'-6" CONCRETE CURB & GUTTER
R2	1'-6" CONCRETE CURB & GUTTER
R3	5" MONOLITHIC CONCRETE ISLAND (KEYED-IN)
S	4" CONCRETE SIDEWALK
T	EARTH MATERIAL
U	EXISTING PAVEMENT
V	MILLING EXISTING PAVEMENT (VARIABLE)
W	VARIABLE DEPTH ASPHALT PAVEMENT

NOTE: PAVEMENT EDGE SLOPES ARE 1:1 UNLESS OTHERWISE INDICATED

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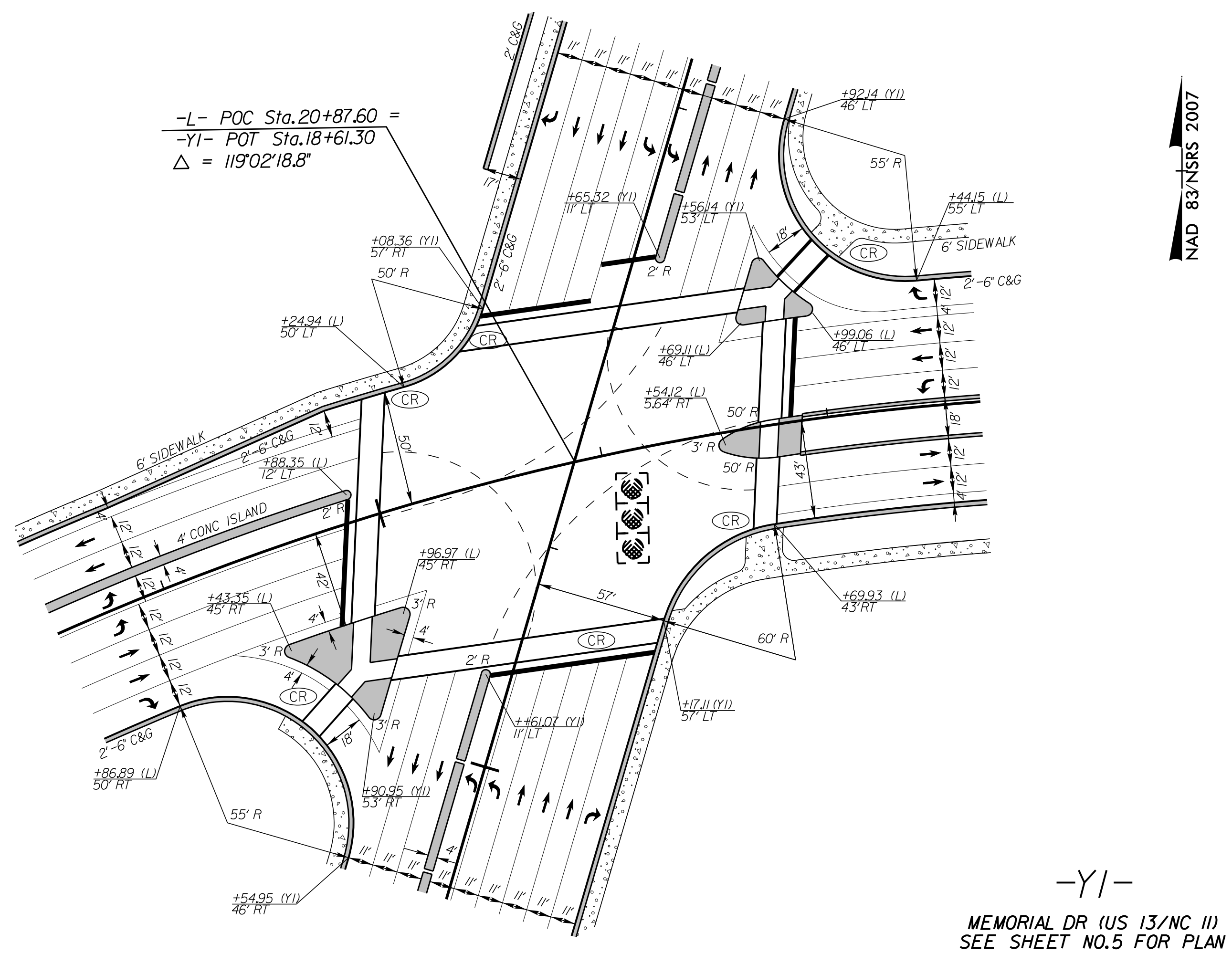
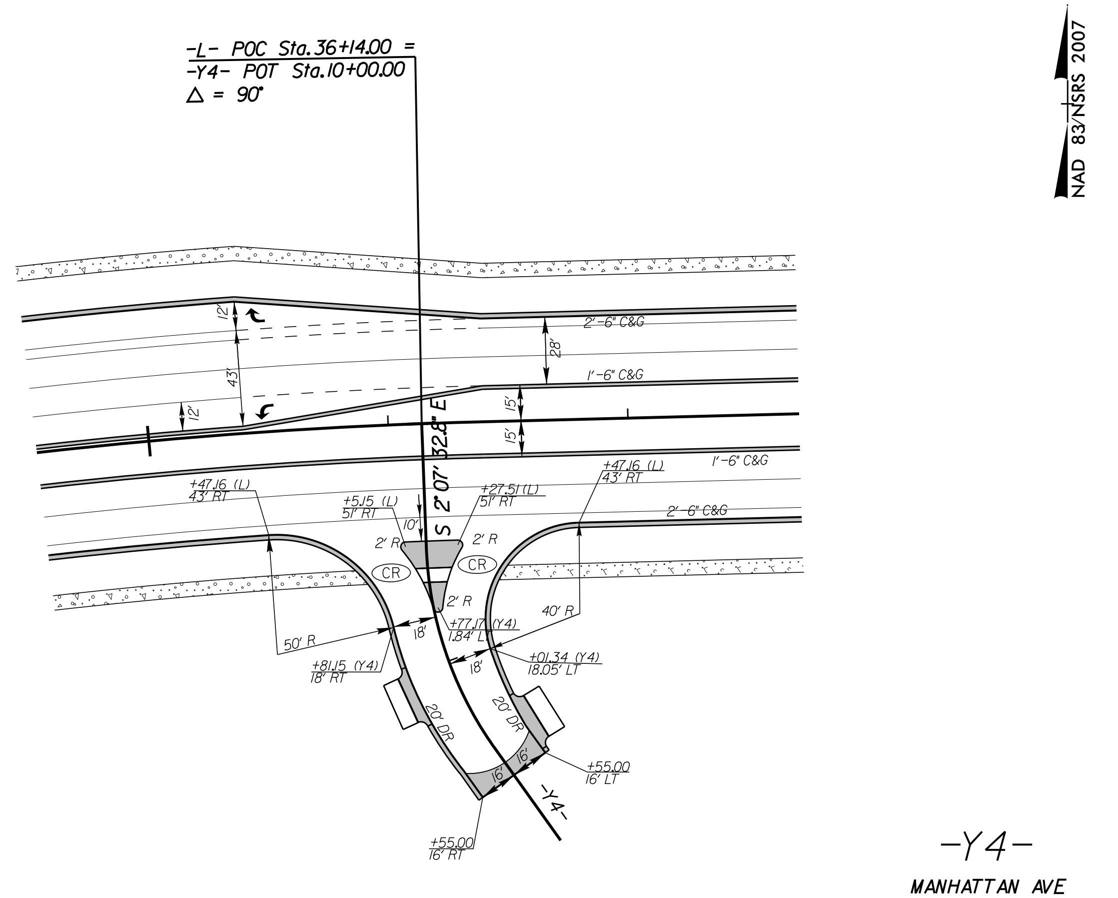
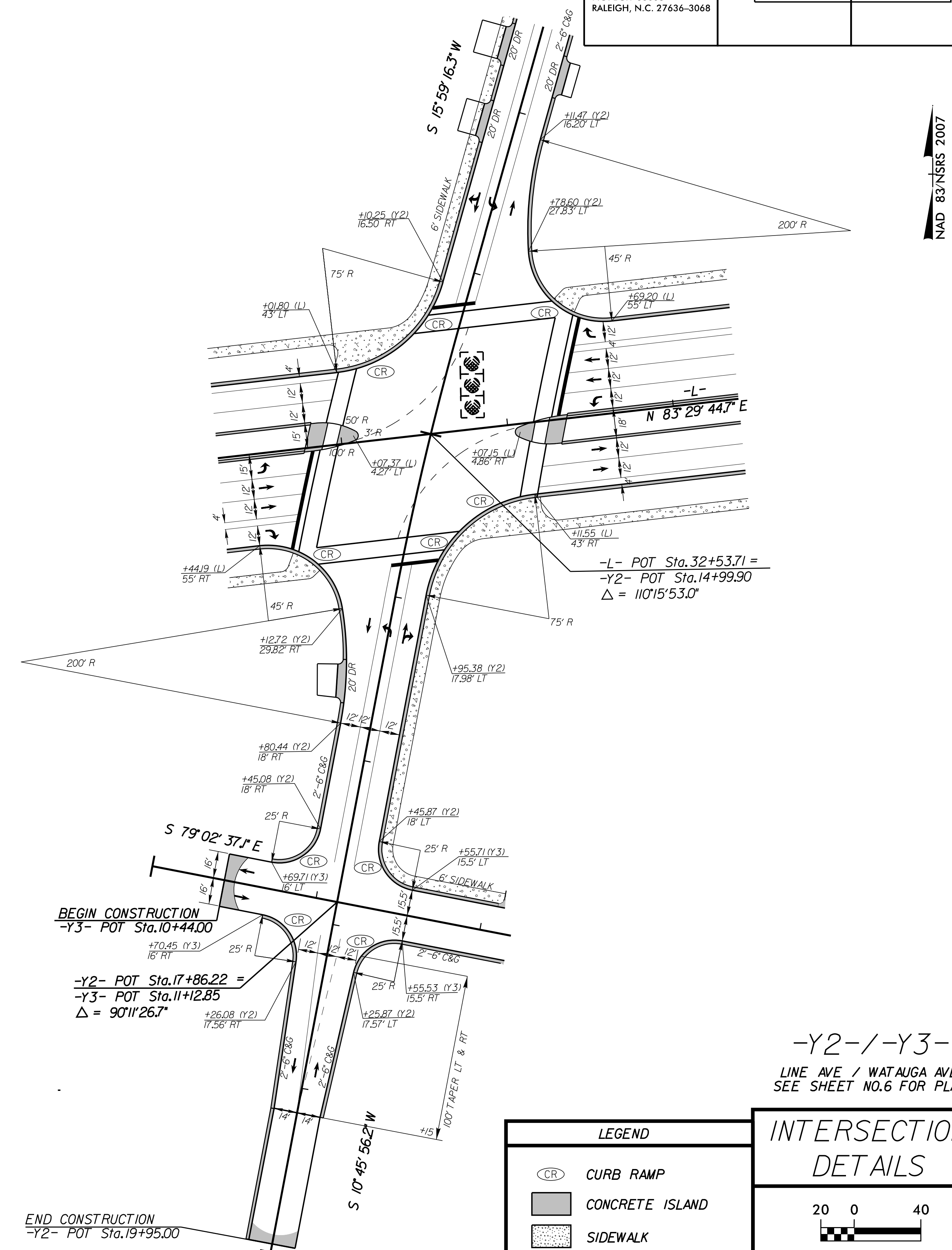
5/30/2012

REVISIONS







Kimley-Horn and Associates, Inc.

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

PROJECT REFERENCE NO.	SHEET NO.
U-3315	2-G
ROADWAY DESIGN ENGINEER	HYDRAULICS ENGINEER

PRELIMINARY PLANS
DO NOT USE FOR CONSTRUCTION

LEGEND	
CR	CURB RAMP
	CONCRETE ISLAND
	SIDEWALK

INTERSECTION DETAILS

20 0 40

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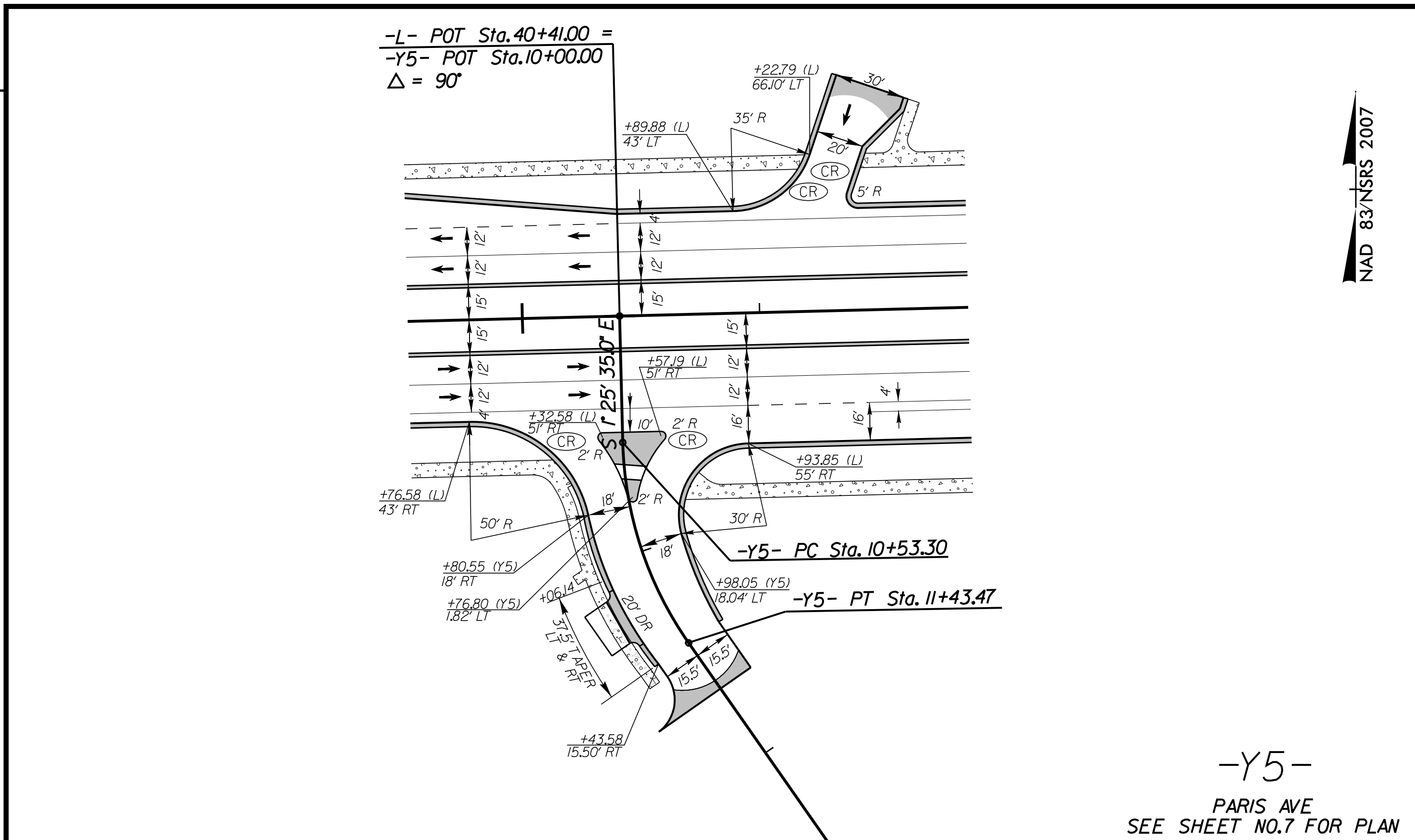
5/30/2012

PROJECT REFERENCE NO.	SHEET NO.
U-3315	2-H
ROADWAY DESIGN ENGINEER	HYDRAULICS ENGINEER

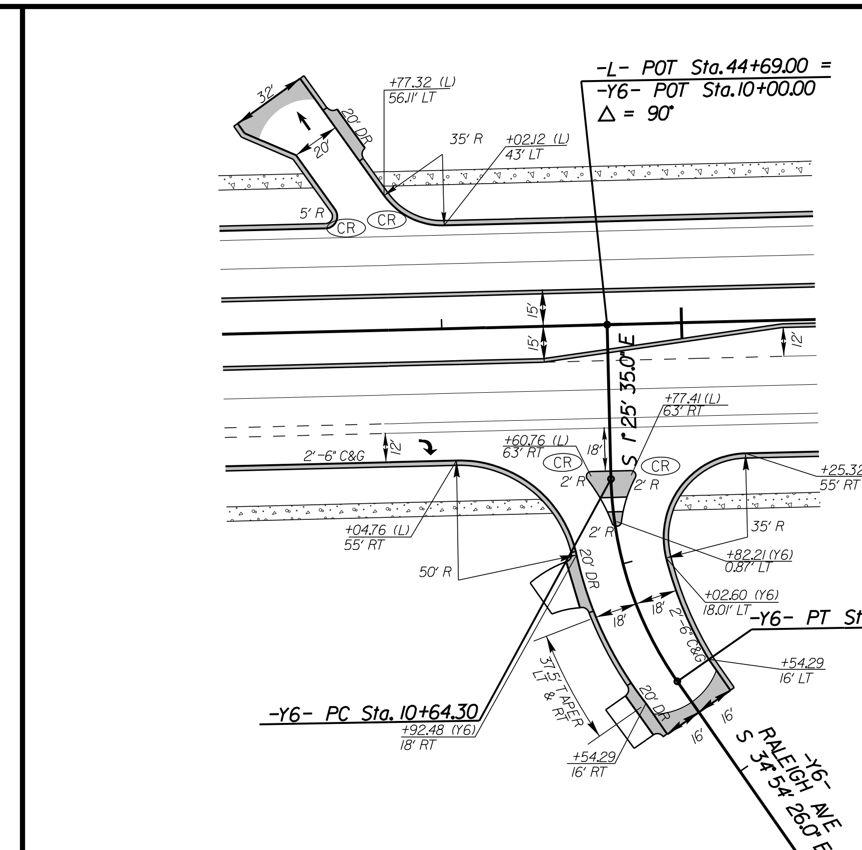
Kimley-Horn and Associates, Inc.
P.O. BOX 33068
RALEIGH, N.C. 27636-3068

PRELIMINARY PLANS
DO NOT USE FOR CONSTRUCTION

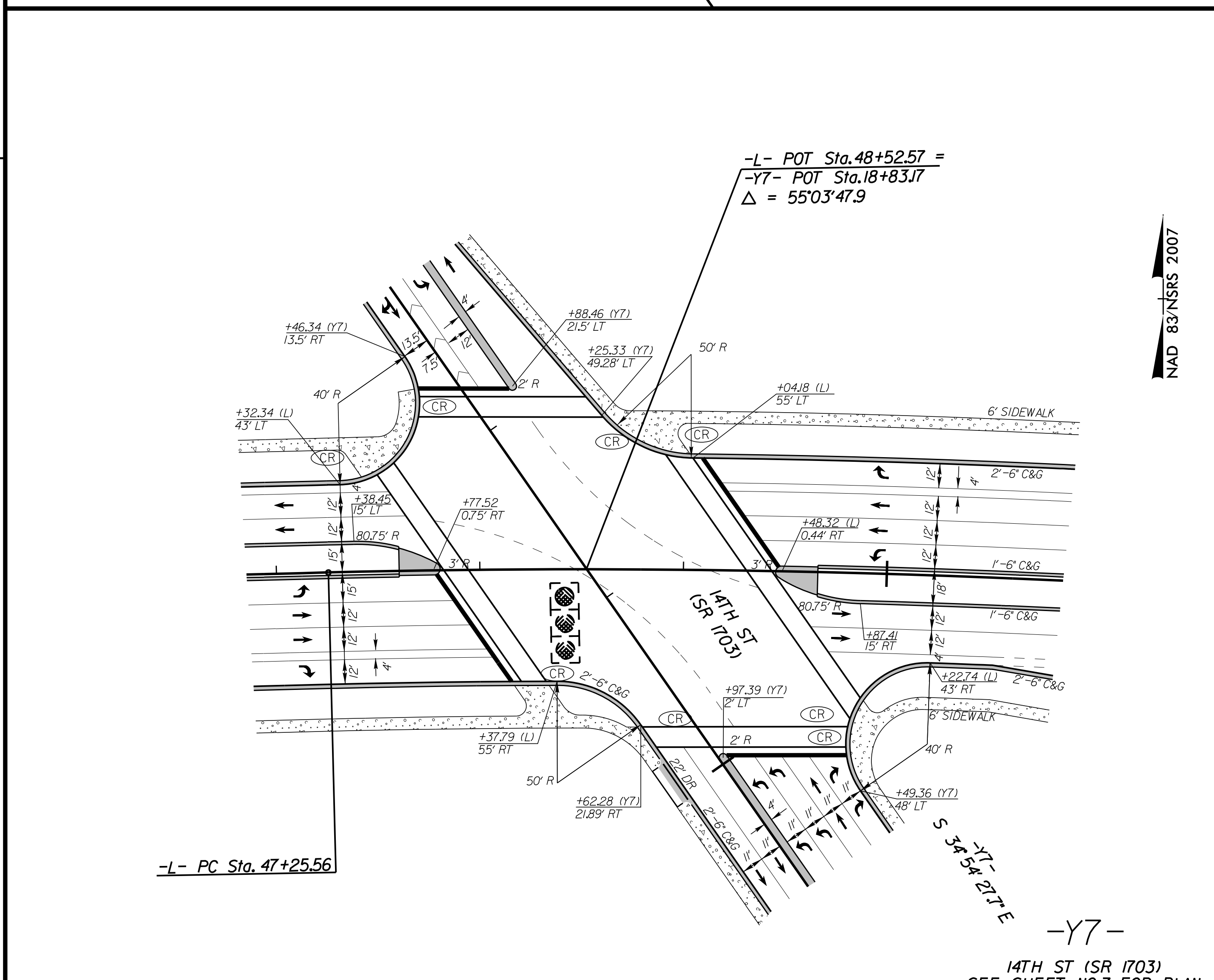
REVISIONS



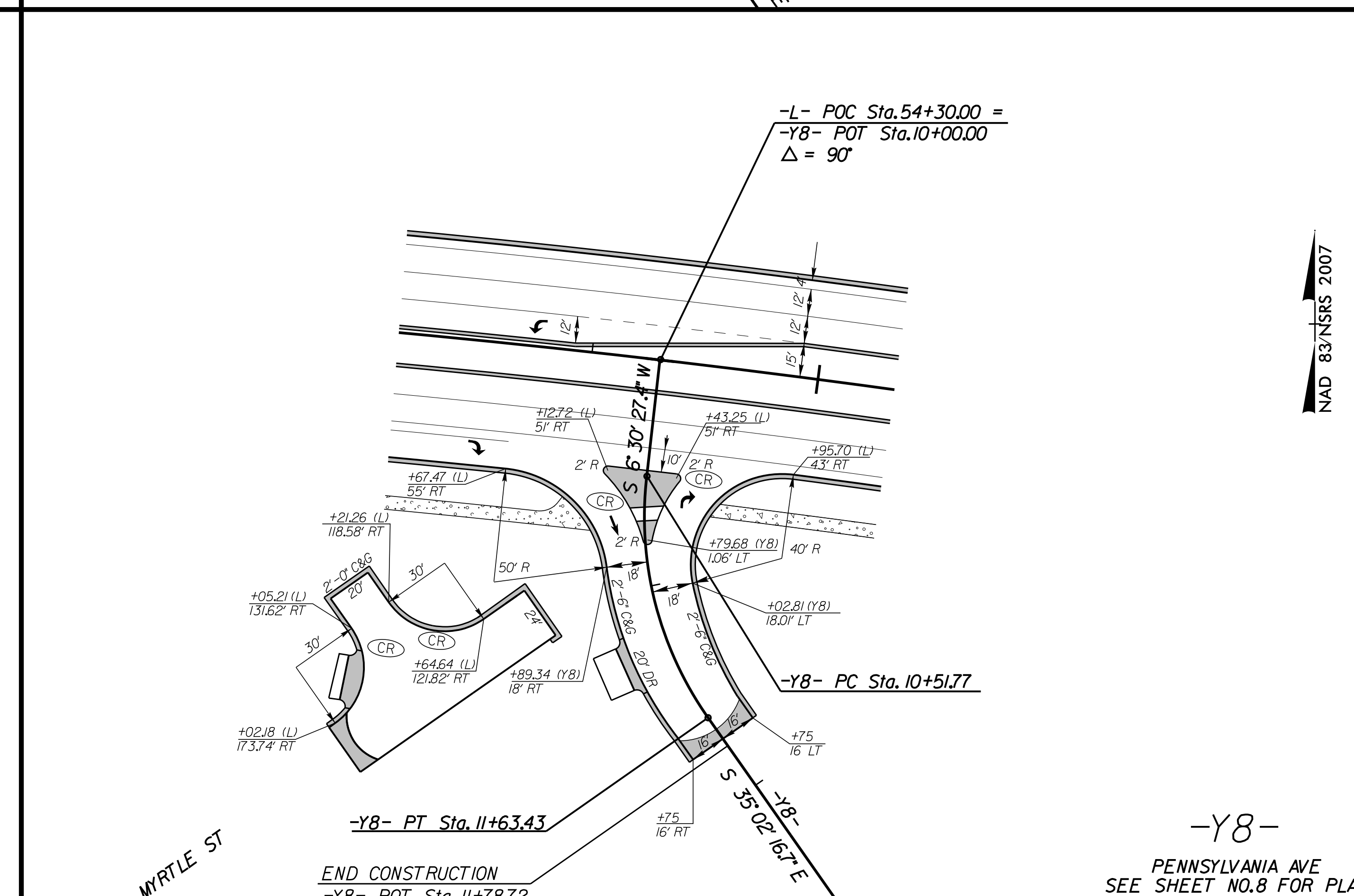
-Y5-
PARIS AVE
SEE SHEET NO.7 FOR PLAN



-Y6-
RALEIGH AVE
SEE SHEET NO.7 FOR PLAN



-Y7-
14TH ST (SR 1703)
SEE SHEET NO.7 FOR PLAN



-Y8-
PENNSYLVANIA AVE
SEE SHEET NO.8 FOR PLAN

LEGEND
CURB RAMP
CONCRETE ISLAND
SIDEWALK

INTERSECTION DETAILS

20 0 40

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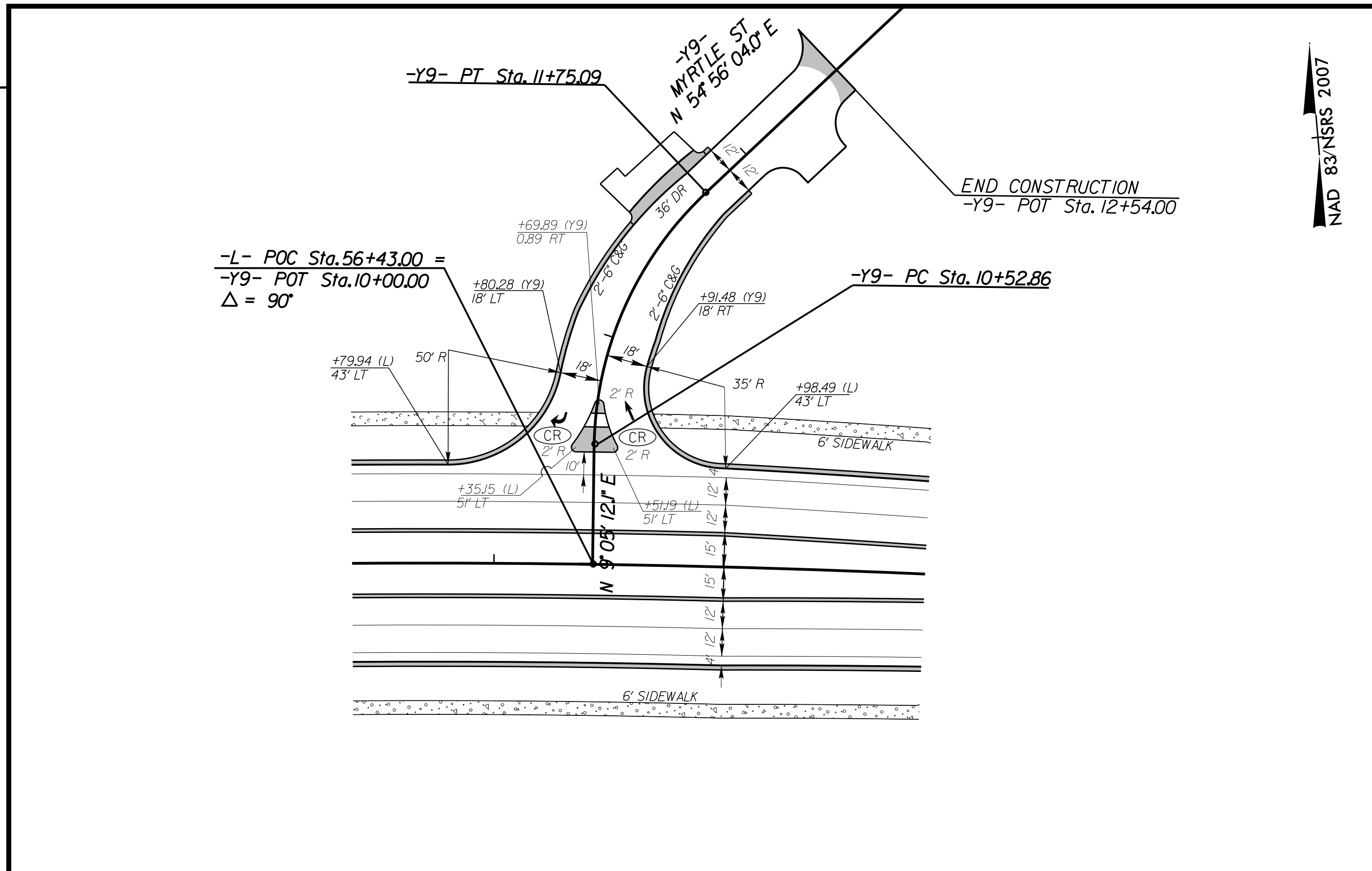
5/30/2012

PROJECT REFERENCE NO.	SHEET NO.
U-3315	2-I
ROADWAY DESIGN ENGINEER	HYDRAULICS ENGINEER

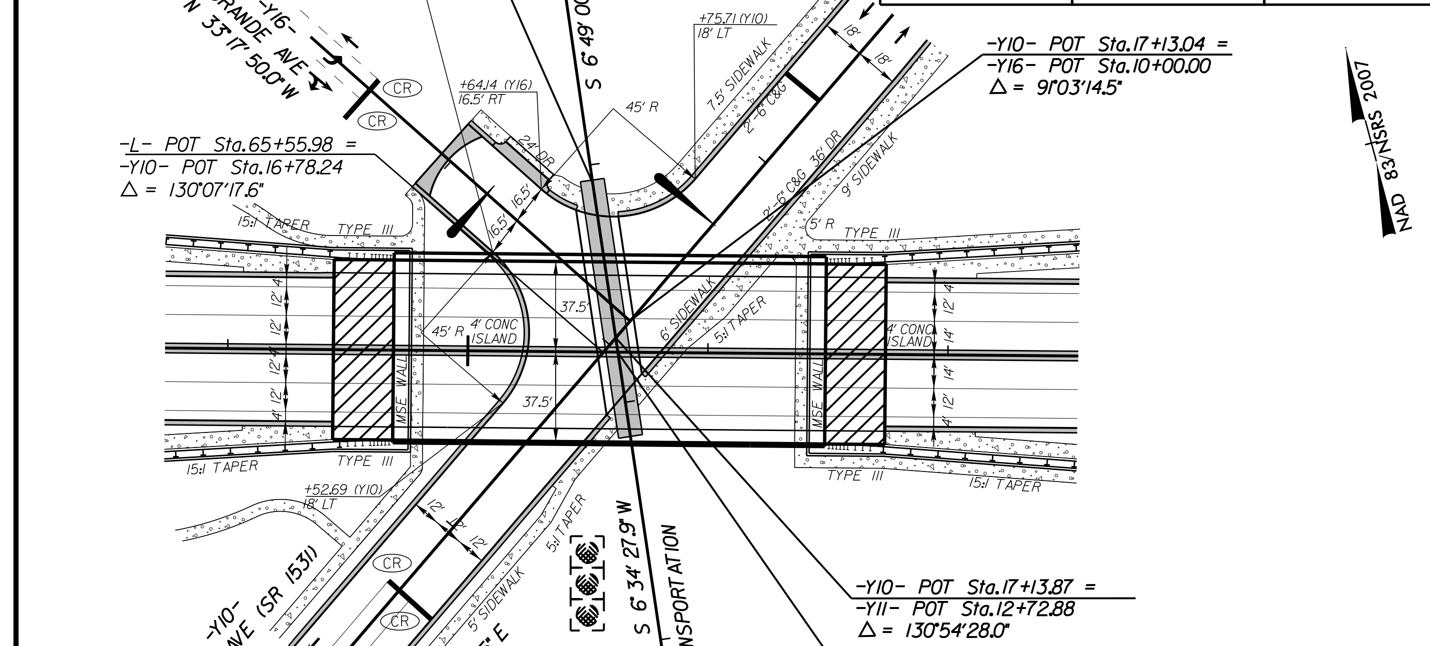
Kimley-Horn and Associates, Inc.
P.O. BOX 33068
RALEIGH, N.C. 27636-3068

PRELIMINARY PLANS
DO NOT USE FOR CONSTRUCTION

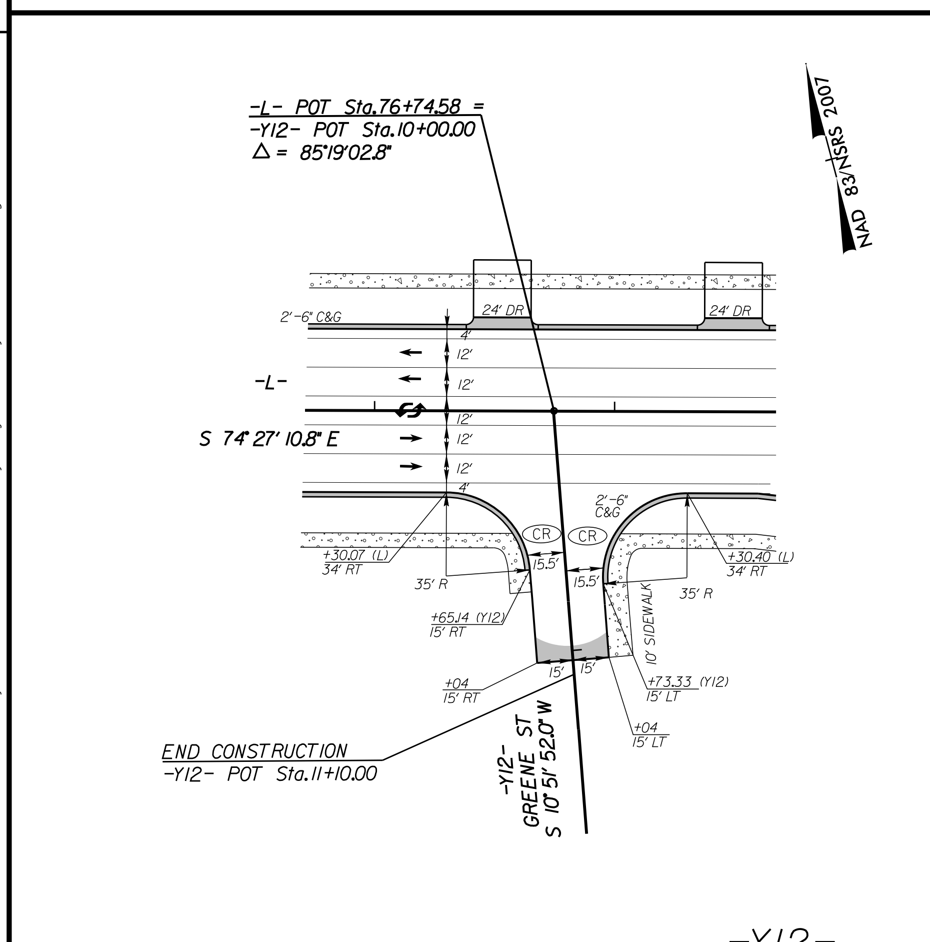
REVISIONS



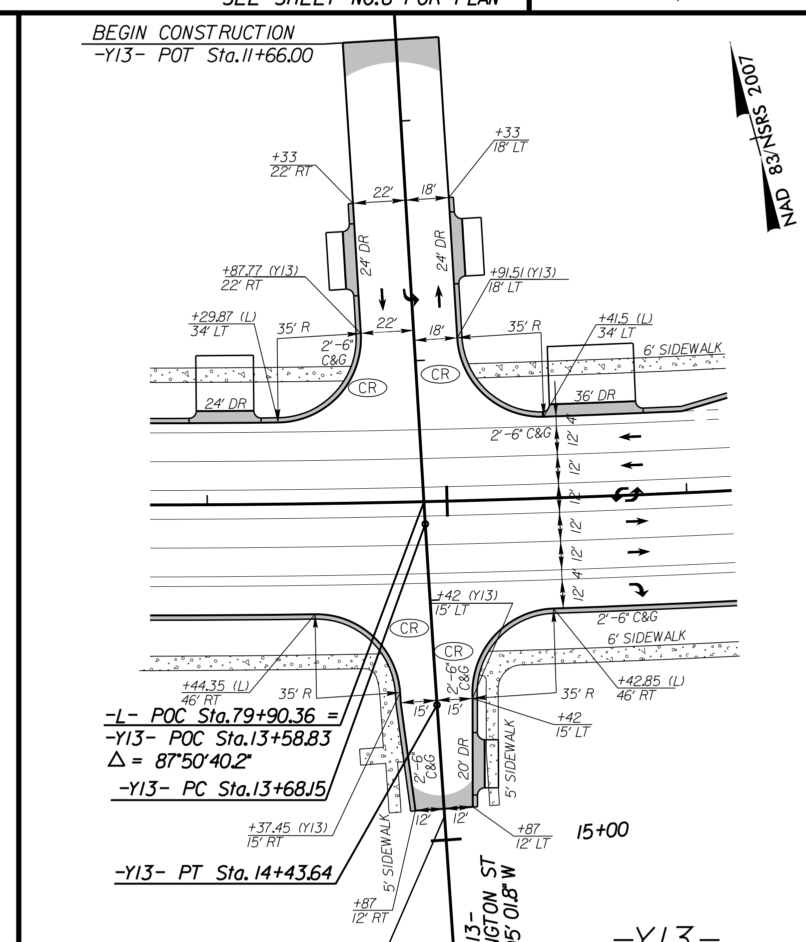
-Y9-
MYRTLE ST
SEE SHEET NO.8 FOR PLAN



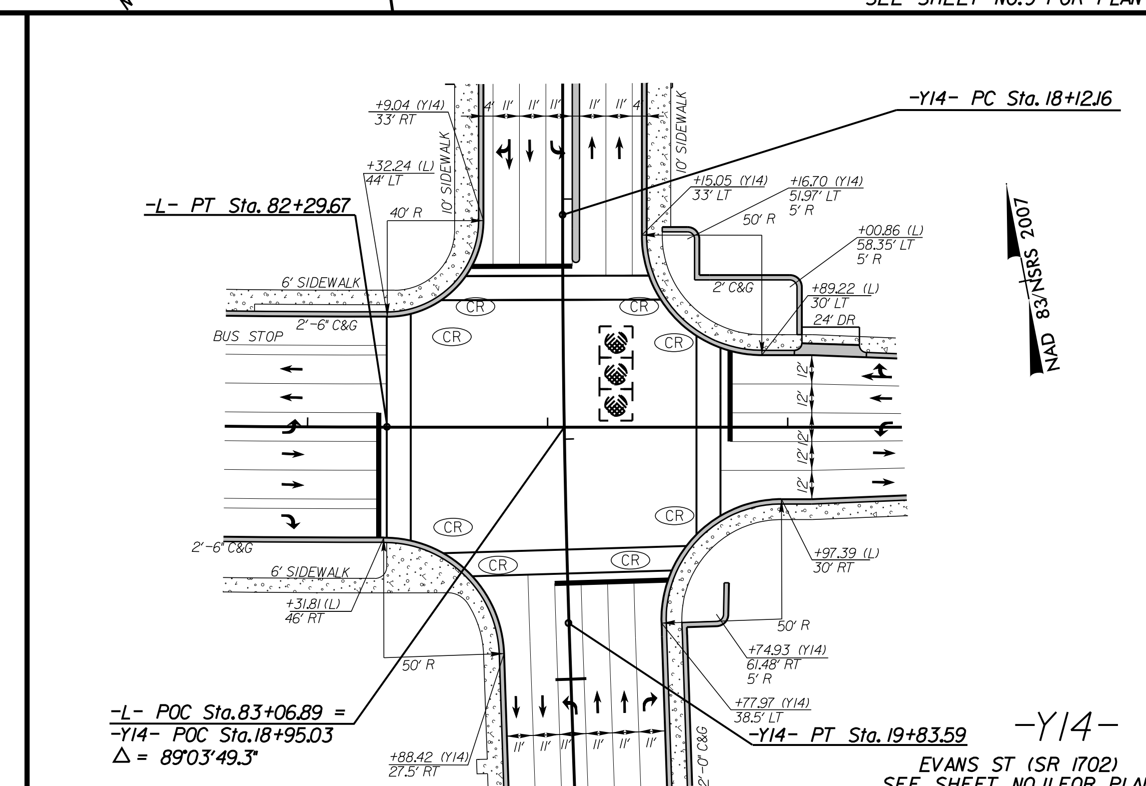
-Y10-/-Y16-
DICKINSON AVE/GRANDE AVE
SEE SHEET NO.9 FOR PLAN



-Y12-
GREENE ST
SEE SHEET NO.10 FOR PLAN



-Y13-
WASHINGTON ST
SEE SHEET NO.10 FOR PLAN



-Y14-
EVANS ST (SR 1702)
SEE SHEET NO.11 FOR PLAN

LEGEND	
CR	CURB RAMP
	CONCRETE ISLAND
	SIDEWALK

INTERSECTION DETAILS

20 0 40

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5/30/2012

PROJECT REFERENCE NO.	SHEET NO.
U-3315	2-J
ROADWAY DESIGN ENGINEER	HYDRAULICS ENGINEER

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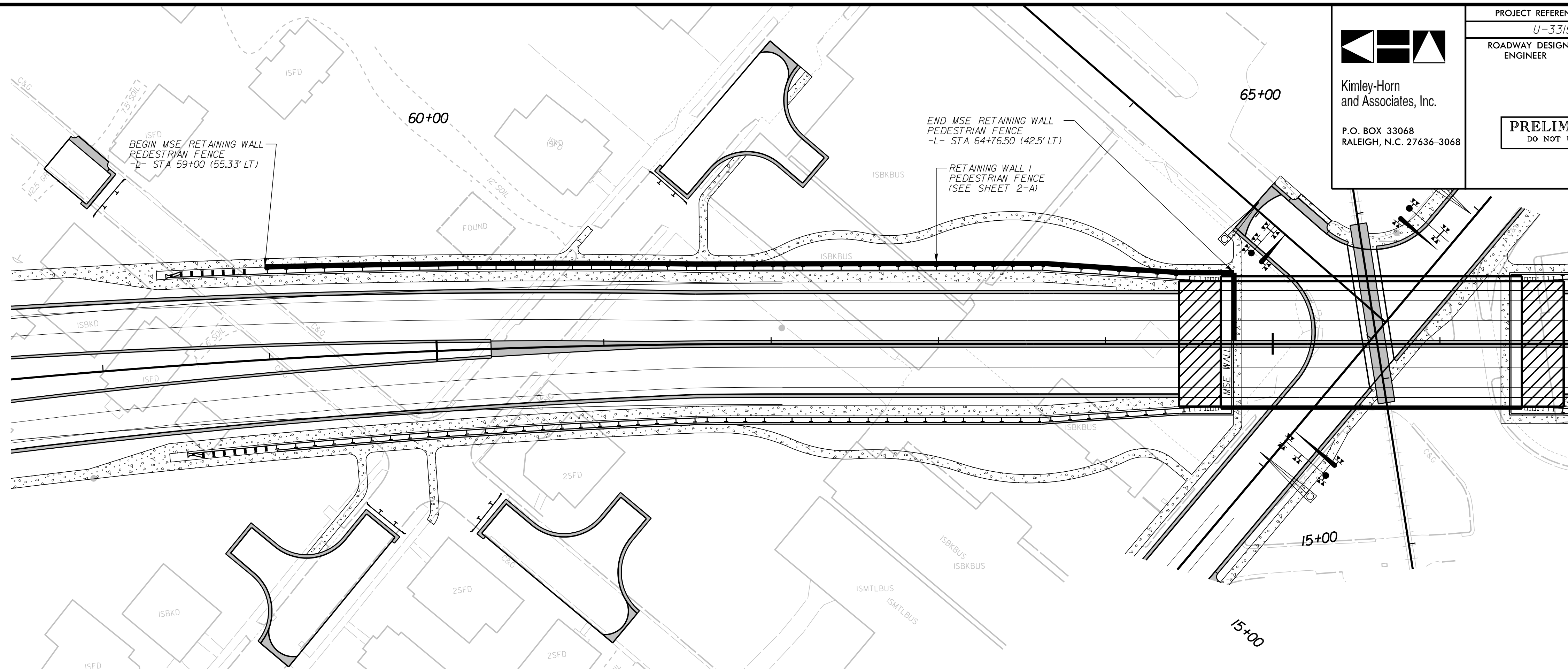
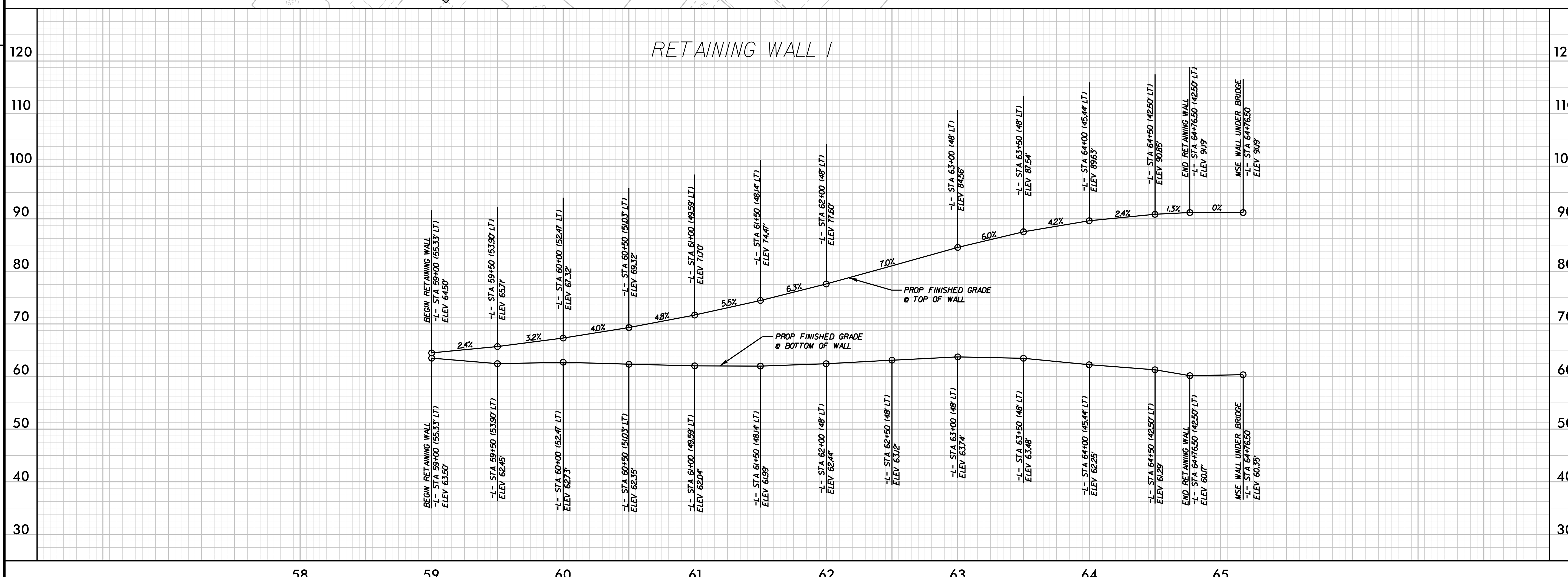
P.O. BOX 33068
RALEIGH, N.C. 27636-3068

PRELIMINARY PLANS
DO NOT USE FOR CONSTRUCTION

REVISIONS





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5/30/2012

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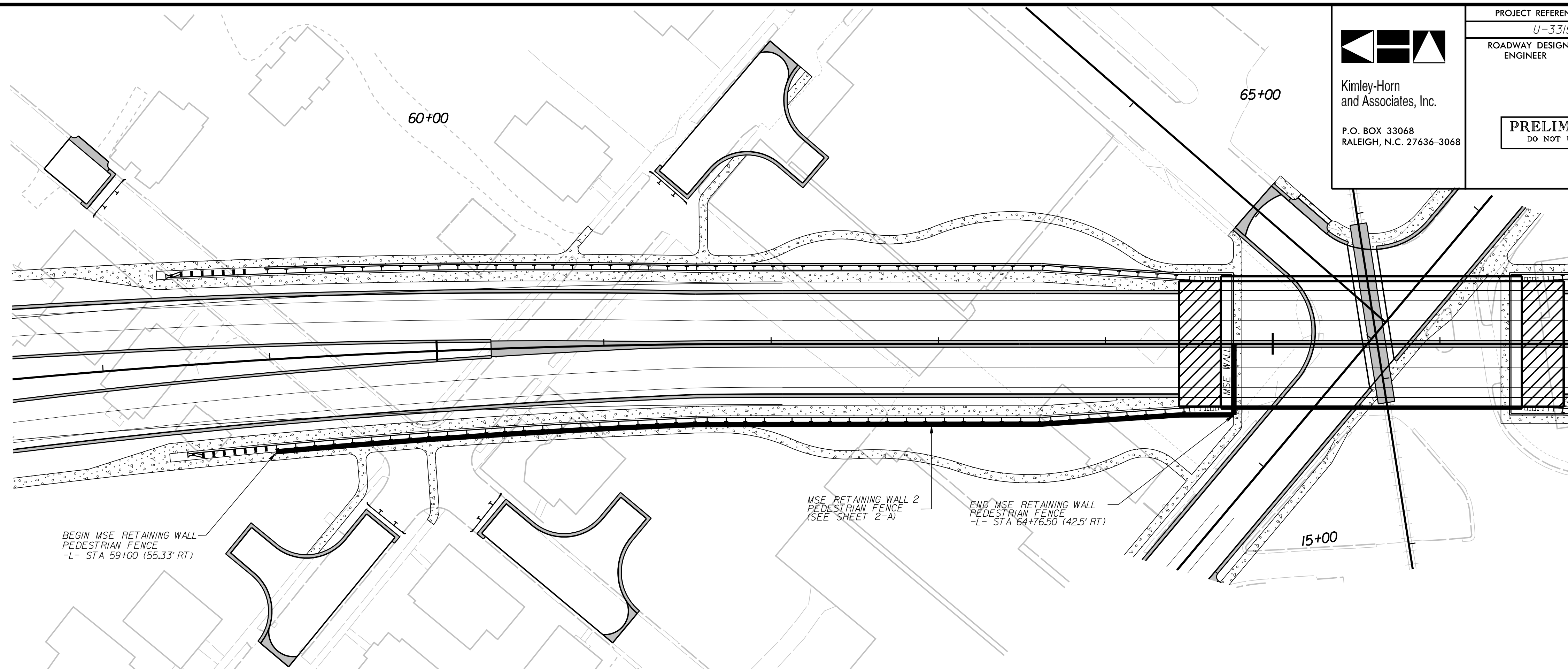
PROJECT REFERENCE NO.	SHEET NO.
U-3315	2-K

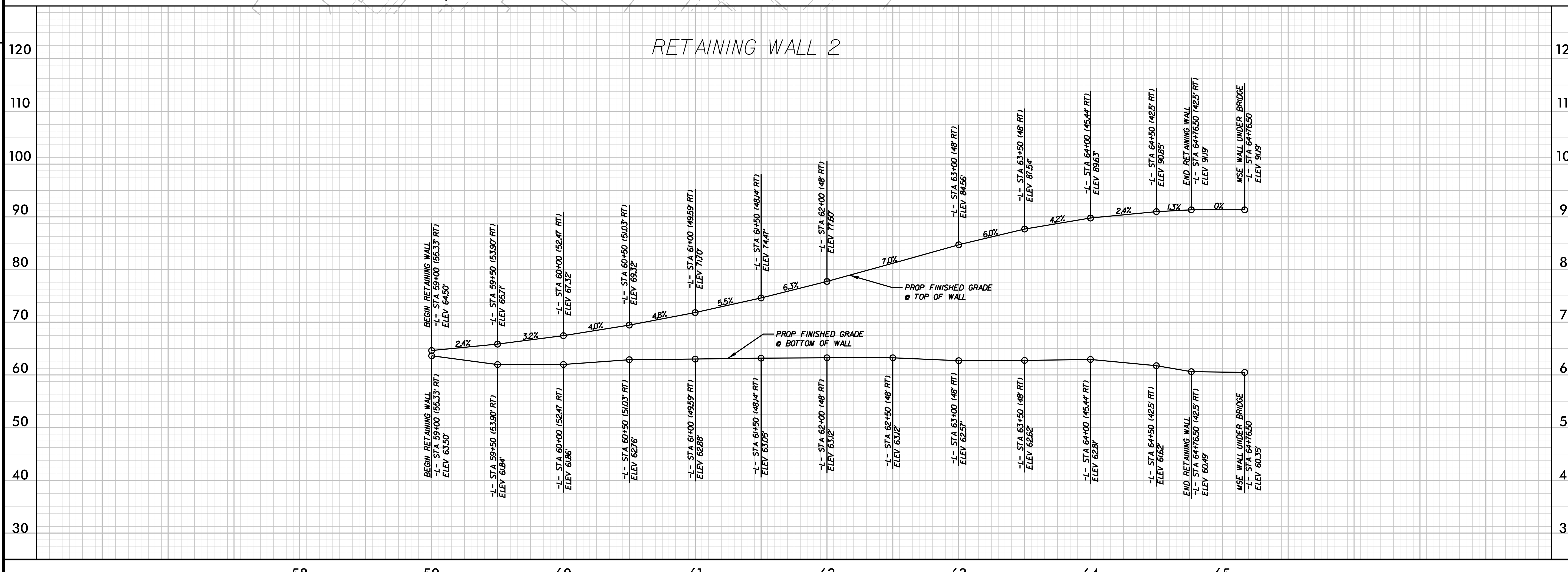
ROADWAY DESIGN ENGINEER

HYDRAULICS ENGINEER

PRELIMINARY PLANS
DO NOT USE FOR CONSTRUCTION

REVISIONS





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5/30/2012

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

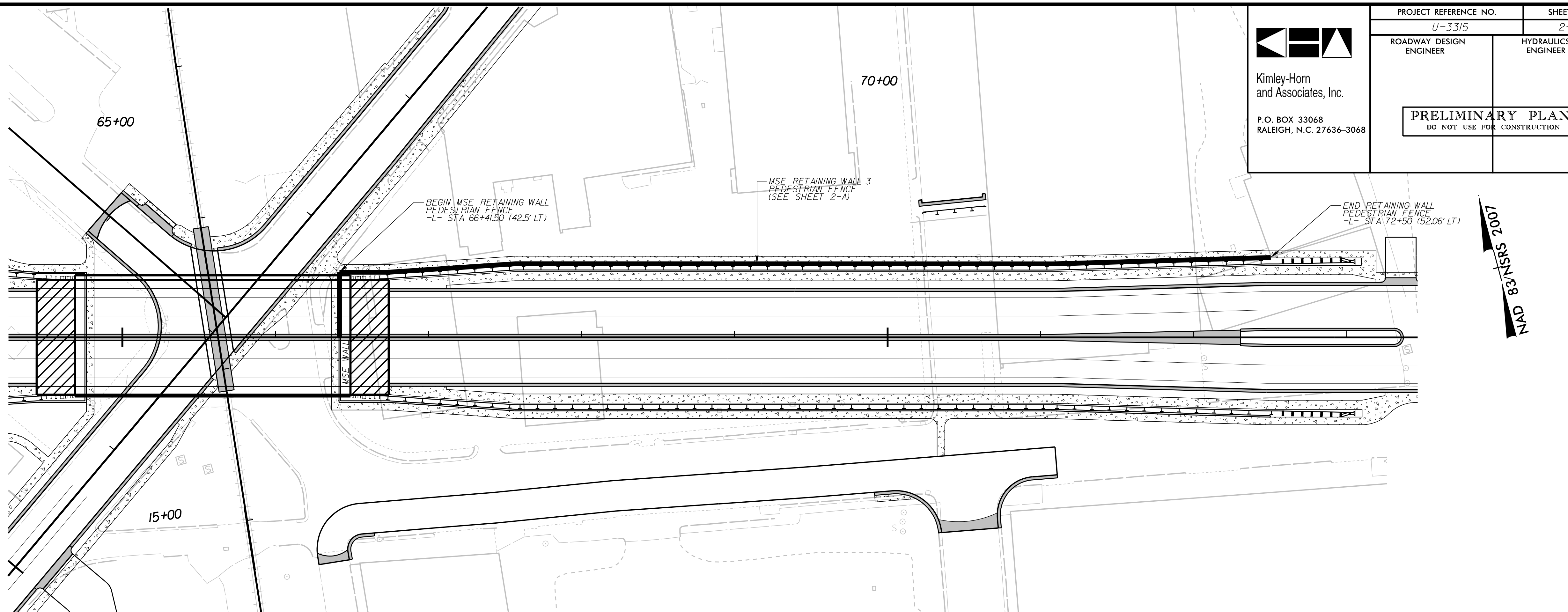
PROJECT REFERENCE NO.	SHEET NO.
U-3315	2-L

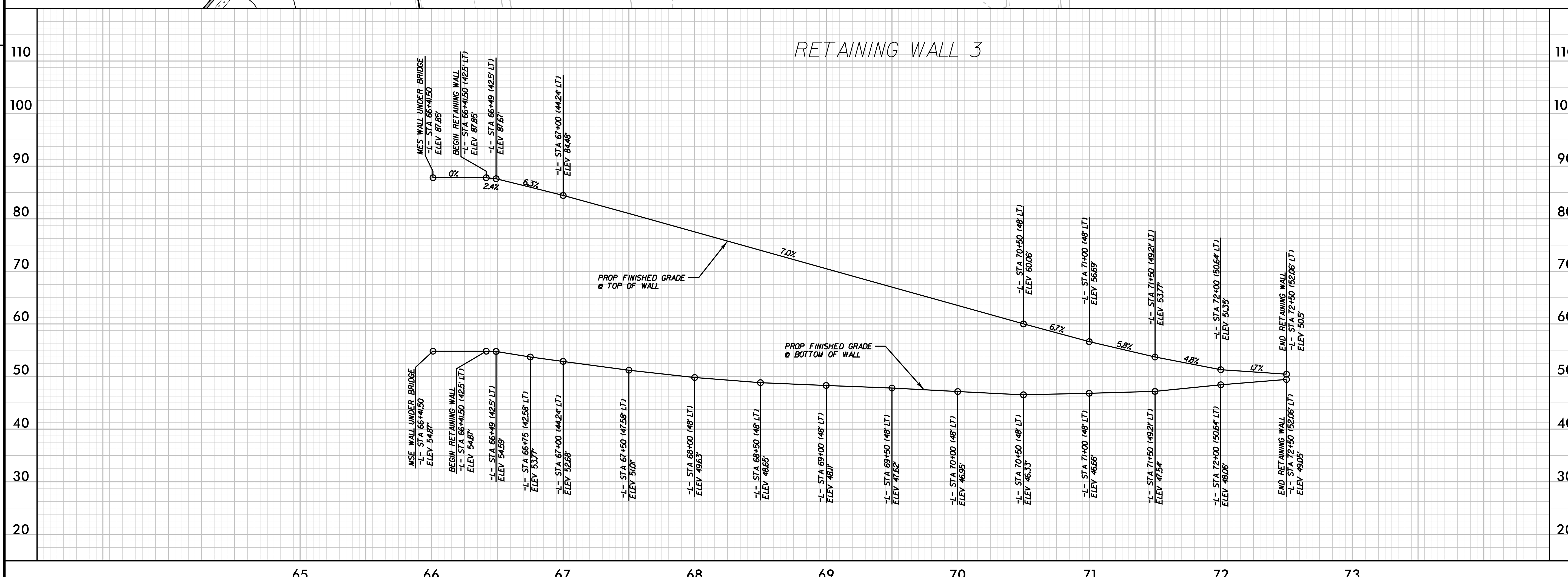
ROADWAY DESIGN ENGINEER

HYDRAULICS ENGINEER

PRELIMINARY PLANS
DO NOT USE FOR CONSTRUCTION

REVISIONS





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5/30/2012

PROJECT REFERENCE NO.	SHEET NO.
U-3315	2-M

Kimley-Horn and Associates, Inc.

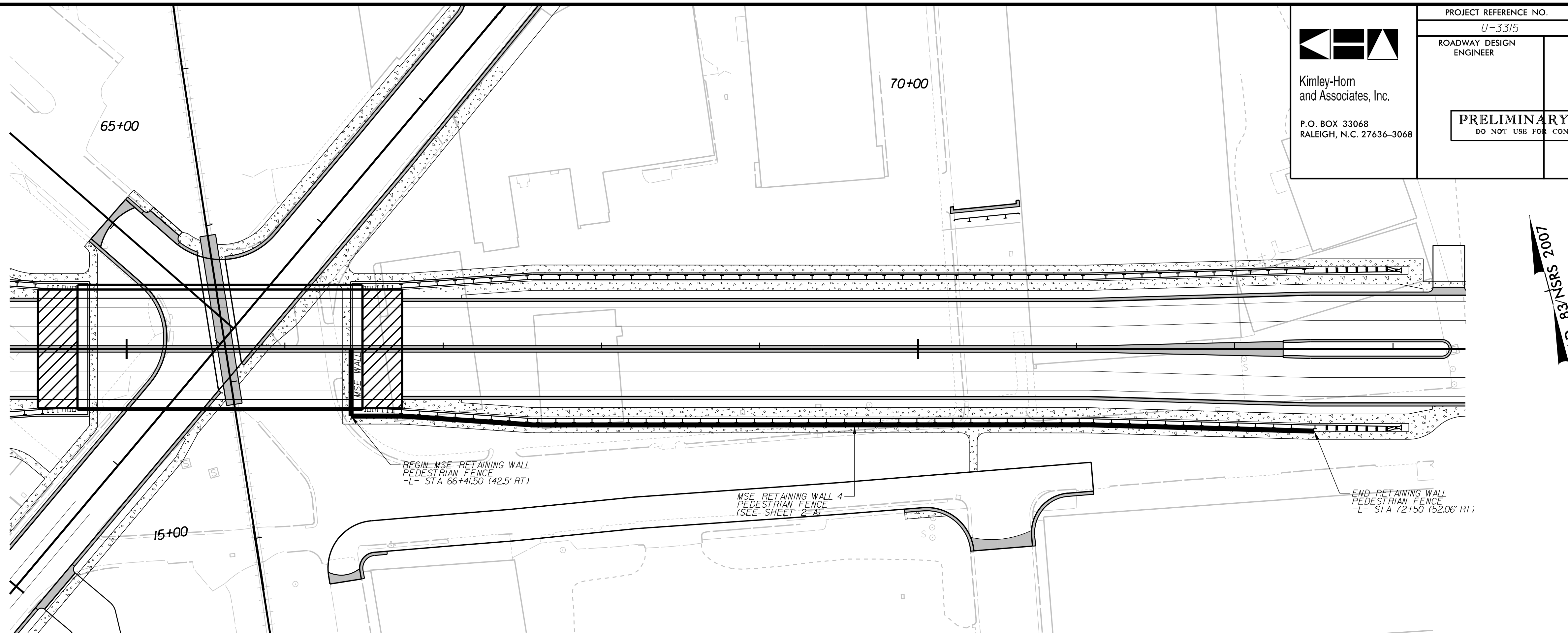
P.O. BOX 33068
RALEIGH, N.C. 27636-3068

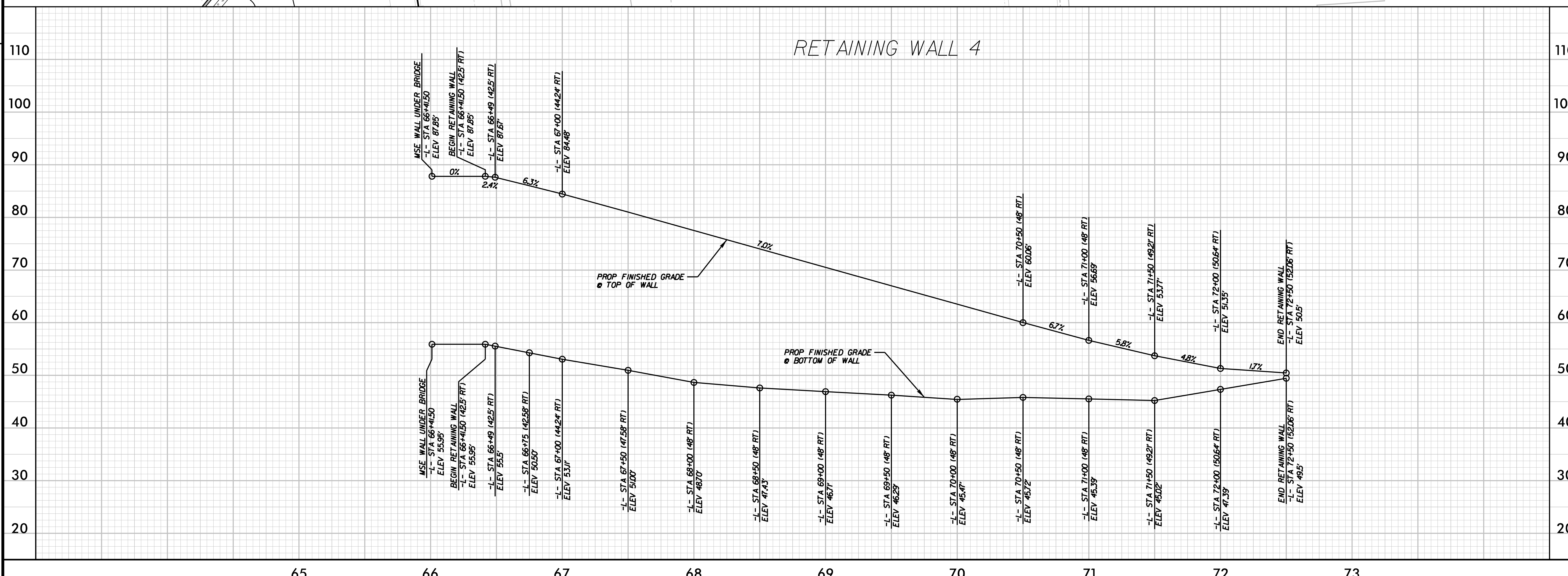
ROADWAY DESIGN ENGINEER

HYDRAULICS ENGINEER

PRELIMINARY PLANS
DO NOT USE FOR CONSTRUCTION

REVISIONS





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5/30/2012

COMPUTED BY: JJ DATE: 11-18-11
CHECKED BY: JJP DATE: 11-22-11

PROJECT REFERENCE NO.	SHEET NO.
U-3315	3-A

PRELIMINARY PLANS
DO NOT USE FOR CONSTRUCTION

DIVISION OF HIGHWAYS
STATE OF NORTH CAROLINA

PRELIMINARY EARTHWORK SUMMARY

IN CUBIC YARDS

LOCATION	UNCLASSIFIED EXCAVATION	UNDERCUT	EMBT + %	BORROW	WASTE
-L- STA 11+32.00 TO STA 20+34.32	1,729		321		1,408
-L- STA 21+39.61 TO STA 64+69.00 (BEGIN BRIDGE)	10,425		46,879	36,454	
-L- STA 66+49.00 (END BRIDGE) TO STA 86+52.00	1,607		49,536	47,929	
-Y1- STA 11+81.00 TO STA 26+26.00	2,687		114		2,573
-Y2- STA 11+55.00 TO STA 14+53.87	183		73		110
-Y2- STA 15+45.55 TO STA 19+15.00	128		115		13
-Y3- STA 10+44.00 TO STA 10+94.85	10		10		
-Y3- STA 11+30.85 TO STA 14+37.00	135		175	40	
-Y4- STA 10+43.00 TO STA 11+55.00	10		0		10
-Y5- STA 10+43.00 TO STA 11+50.00	22		10		12
-Y6- STA 10+55.00 TO STA 11+70.00	93		10		83
-Y7- STA 11+15.00 TO STA 18+30.83	623		204		419
-Y7- STA 19+35.74 TO STA 26+40.00	811		46		765
-Y8- STA 10+43.00 TO STA 11+75.00	50		10		40
-Y9- STA 10+43.00 TO STA 11+90.00	75		16		59
-Y10- STA 12+55.00 TO STA 18+60.00	86		458	372	
-Y12- STA 10+34.00 TO STA 11+04.00	10		23	13	
-Y13- STA 12+33.00 TO STA 13+24.80	16		33	17	
-Y13- STA 14+04.86 TO STA 14+87.00	13		10		3
-Y14- STA 12+70.00 TO STA 18+61.03	466		13		453
-Y14- STA 19+29.03 TO STA 23+23.00	380		63		317
SUBTOTAL	19,559		98,116	84,825	6,265

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5/30/2012

PROJ. REFERENCE NO.	SHEET NO.
U-3315	3-B

PRELIMINARY PLANS
DO NOT USE FOR CONSTRUCTION

STATE OF NORTH CAROLINA
DIVISION OF HIGHWAYS

PARCEL INDEX SHEET

PARCEL No.	SHEET No.	PROPERTY OWNER NAME	DEED BOOK
1	4	TAYLOR, W C JR ETAL	DB F 37, PG 215 DB L 46, PG 315
2	4	PLAINS COASTAL PROPERTIES, LLC	DB 884, PG 762 MB 26, PG 140
3	4	COOKE HMAW PROPERTIES, LLC	DB 1191, PG 89 MB 26, PG 140
4	4	COLLICE AND ANN MOORE, LLC	DB 2538, PG 866 DB 2562, PG 134 MB 72, PG 145
5	4	WACHOVIA BANK NA (#506134)	DB Z 46, PG 466 MB 26, PG 140
6	4	RDI LLC	DB 2804, PG 463 MB 35, PG 93
7	4	SHOESTRING RENTALS, LLC / ATTN: BRENDA L. GIBSON	DB 2458, PG 537 MB 26, PG 140
8	5	TRENT LAND COMPANY / C/O YANSY LTD	DB W 44, PG 618 MB 26, PG 140
9	5	CRAIG F. GOESS, SR. / CRAIG M. GOESS, JR.	DB 1494, PG 24
10	5	NORTHCAN INVESTMENTS, INC. / C/O DUNKIN DONUTS INC	DB I 54, PG 639 MB 24, PG 49
11	5	HORRY LAND COMPANY, INC.	DB 1309, PG 4 MB 55, PG 71
12	5	VINCENT PEELE PROPERTIES, LLC	DB 1890, PG 3 MB 33, PG 144
13	5	BLOUNT, W.G., ETAL	DB 225, PG 251 DB Q 49, PG 653 DB Q 49, PG 281
14	5	REDCO PROPERTIES LLC	DB 1981, PG 303 MB 55, PG 71
15	5	SYCAMORE CHAPEL MISSIONARY BAPTIST CHURCH	DB 2438, PG 872
16	6	TW RIVER,S LOUISBERG COLLEGE INC, ETAL	DB O 25, PG 137 DB J 25, PG 367 DB G 50, PG 276 PG Q 49, PG 653 DB Q 49, PG 281 DB 225, PG 251 MB 4, PG 150
17	6	WILLIAM ERNEST STATON, SR & WF JANET COX	DB 698, PG 211 MB 4, PG 150 MB 68, PG 106
18	6	PHILLIP RAY COX	DB 698, PG 483 MB 4, PG 150 MB 68, PG 106
19	6	LIAM P COX & JANETTE B COX	DB 2193, PG 803 DB 2216, PG 261 MB 4, PG 150 MB 68, PG 106
20	6	CLAUDIUS E BAINES	DB U 32, PG 278 MB 5, PG 55
21	6	KENNETH M LLOYD, SR. & WF. CHRISTINE LLOYD	DB 2686, PG 109 MB 2, PG 180
22	6	GRIMES, MARY E.	DB 846, PG 343 MB 22, PG 56
23	6	KENNETH M LLOYD, SR. & WF. CHRISTINE LLOYD	DB 2686, PG 109 MB 2, PG 180
24	6	HERBERT WILLIAMS JR & WF IDA	DB S 41, PG 747 MB 22, PG 56
25	6	ALFRED EARL BAKER & BESSIE BAKER	DB Q 53, PG 747 MB 2, PG 180
26	6	GLADYS BEST	DB T 41, PG 51 MB 22, PG 56
27	6	KENNETH M LLOYD, SR. & WF. CHRISTINE LLOYD	DB 2686, PG 109 MB 2, PG 180
28	6	ROSA BARRETT BARNES, C/O ROSA BARRETT KING	DB T 41, PG 51 MB 22, PG 56
29	6	BREWINGTON	DB I 40, PG 556 DB 109, PG 478 DB 109, PG 482 DB 109, PG 486 MB 20, 135

PARCEL No.	SHEET No.	PROPERTY OWNER NAME	DEED BOOK
30	6	SUTTON, JERRY D	DB X 49, PG 152 MB 2, PG 180 MB 20, PG 185
31	6	FRANKLIN D BRYAN & WF HELEN ALICE FR BRYAN	DB 169, PG 193 MB 20, PG 135
32	6	SAAD RENTALS, LLC	DB 773, PG 408 MB 20, PG 135
33	6	RENA LOUISE DIXON C/O / RENA LOUISE PAYTON	DB T 46, PG 440 MB 2, PG 180 MB 20, PG 185
34	6	JERRY D. SUTTON	DB R 49, PG 134 MB 20, PG 135
35	6	KAREN N. MARTIN	DB 2235, PG 768
36	6	JESSIE L. BROOKS, PEARLIE BROOKS HEIRS	DB T 40, PG 67 ESTATE FILE 02E PG 314 MB 2, PG 180 MB 20, PG 185
37	6	MARTHA W RODGERS SMITH	DB 1091, PG 726 MB 21, PG 22
38	6	MARGARET MARIE ADAMS DYER	DB U 40, PG 402 ESTATE FILE 2010E PG 115 MB 2, PG 180 MB 20, PG 185
39	6	AARON LOUIS SHAMBLEY & WF DIANN SHAMBLEY	DB Z 40, PG 674 MB 21, PG 22
40	7	WILLIAM L SANDERS & WF DEBORAH E SANDERS	DB 873, PG 525 MB 21, PG 22
41	7	BOYD, BOBBY E	DB 285, PG 327 MB 2, PG 180 MB 20, PG 185
42	7	DORIS DICKENS HANSLEY HEIRS	DB D 41, PG 732 MB 21, PG 22
43	7	CARL FODUS CHERRY, & MAMIE CHERRY	DB T 40, PG 65 MB 2, PG 180 MB 20, PG 185
44	7	GREENVILLE, CITY OF	DB 1364, PG 509 MB 2, PG 180
45	7	TURNAGE, LULA J	DB 2439, PG 623 MB 2, PG 180 MB 20, PG 185
46	7	BIGGS, NANCY H.	DB F 47, PG 58 PG S 49, PG 64 DB 2381, PG 62 DB 2655, PG 069 MB 2, PG 180 MB 20, PG 185
47	7	CRUDIE O BRADLEY, & WF MARY W BRADLEY	DB 1879, PG 106 MB 2, PG 180 MB 24, PG 15
48	7	OSCAR L HOLLOMAN, & WF CAROL P HOLLOMAN	DB 1635, PG 560 MB 24, PG 15
49	7	OSCAR L HOLLOMAN, & WF CAROL P HOLLOMAN	DB 1635, PG 560 MB 24, PG 15
50	7	ROBERT GREGORY RIDDLE	DB 276, PG 404
51	7	WILLIE LEE MOORE & WF ALICE P MOORE	DB 186, PG 747
52	7	BOBBY R BOWEN & BLANCHE H WILSON	DB N 51, PG 258
53	7	BOBBY R BOWEN, SR MARSHALL L BOWEN	DB 1952, PG 711 DB 920, PG 481 DB 1027, PG 652
54	7	BOBBY R BOWEN & BLANCHE H WILSON	DB N 51, PG 258 DB M 51, PG 757 DB 1027, PG 652
55	8	JONATHAN SUTTON & TODD SUTTON	DB 1952, PG 701 MB 53, PG 71
56	8	INDY II, LLC	PG 585, PG 720 MB 39, PG 67
57	8	BOBBY R BOWEN & BLANCHE H WILSON	DB 273, PG 406 DB 1027, PG 652
58	8	HOLLOMAN, OSCAR L	DB 2518, PG 146

PROJ. REFERENCE NO.	SHEET NO.
U-3315	3-C

STATE OF NORTH CAROLINA
DIVISION OF HIGHWAYS

PRELIMINARY PLANS
DO NOT USE FOR CONSTRUCTION

PARCEL INDEX SHEET

PARCEL No.	SHEET No.	PROPERTY OWNER NAME	DEED BOOK
59	8	HOUSE OF PRAYER-OF HEART TO GIVE	DB Y 50, PG 215
60	8	FLONIE C DAVIS	DB 1797, PG 870
61	8	HUDSON, JAMES R	DB 2491, PG 279 MB 4, PG 99
62	8	HUDSON, JAMES R	DB 2491, PG 279 MB 24, PG 15
63	8	HUGHES, JIMMY A	DB 668, PG 397 MB 2, PG 25
64	8	FRANKLIN BAKING CO	DB F 37, PG 545 MB 2, PG 25
65	8	MELVIN C MCLAWHORN & WF SANDRA J MCLAWHORN	DB 1042, PG 570
66	8	JAMES ARTHUR ANDERSON, JR & WF SERBELER E ANDERSON	DB 1306, PG 313
67	8	SUMMRELL, JULIUS	DB 1748, PG 299
68	8	BENNIE ROBERT ROUNTREE	DB 165, PG 467
69	8	JAMES ROY HUDSON, JR & WF JEAN P MAEBELLE	DB K 49, PG 69 MB 2, PG 25
70	8	MICHAEL V JOYNER	DB S 54, PG 159 MB 2, PG 25
71	8	HATTIE FRANCES VILLANUEVA	DB O 40, PG 579 ESTATE FILE 2008E PG 691
72	8	ESSIE F PETERSON TRUSTEE ESSIE PETERSON REV. LIV. TRUST	DB 1916, PG 380
73	8	ROBERT L JAMES, JR ETALS	DB 672, PG 623 DB 672, PG 709
74	8	WACHOVIA BANK, NA	DB 2543, PG 799
75	9	BEST, ARTHUR D	DB 472, PG 709
76	8	DAX R NELSON & WF GLORIA CRANDELL	DB 2559, PG 265
77	9	SAAD, GEORGE JR	DB 502, PG 14
78	8	SAAD, JOSEPHINE HEIRS	DB 102, PG 296
79	9	PUGH'S TIRE & SERVICE CENTER, INC	DB 254, PG 679\
80	9	JAMES E HANNAN & WF ELAINE S HANNAN	DB Q 53, PG 504
81	9	HERBERT S COREY & WF JO ANNE W COREY	DB C 54, PG 366
82	9	HERBERT S COREY & WF JO ANNE W COREY	DB Q 53, PG 742
83	9	CSX TRANSPORTATION	
84	9	DEREK A SANDERSON & WF DIANNE S SANDERSON	DB 1314, PG 292 MB 4, PG 104
85	9	MOORE, WILLIAM PHILIP JR	DB R 29, PG 253
86	9	MOORE, WILLIAM PHILIP JR	DB 2801, PG 789 DB R 29, PG 253 DB X 45, PG 319
87	9	FIRST SOUTH BANK	DB 2833, PG 154 DB 424, PG 819 MB 3, PG 37

PARCEL No.	SHEET No.	PROPERTY OWNER NAME	DEED BOOK
88	9	CHARLES A LAWRENCE & MARY B ATKESON	DB 424, PG 816 MB 3 PG 37
89	9	BREAKTHROUGH REVIVAL CENTER	DB 1844, PG 648 MB 3 PG 37
90	9	ADRIAN WOOTEN, & WF HOLLY WOOTEN	DB 1408, PG 692 MB 3 PG 37
91	9	VICTORY DELIVERANCE CENTER	DB 715, PG 449 MB 3 PG 37
92	9	HOPE OF GLORY MINISTRIES, LLC	DB 2547, PG 302 DB 2547, PG 299
93	10	POLLARD AND SON PLUMB & AC INC	DB 91E, PG 44 DB T38, PG 622
94	10	NORFOLK SOUTHERN RAILWAY (LEASED TO CLNA)	
95	10	STATE OF NORTH CAROLINA C/O STATE PROPERTY OFFICE	DB 1550, PG 447
96	10	PYRAMID REHEARSAL STUDIO, INC	DB 2762, PG 636
97	10	WILLIAMS, WALTER L	DB 1405, PG 559
98	10	WALTER L WILLIAMS & WF MARIE WILLIAMS	DB J 50, PG 375
99	10	WALTER L WILLIAMS & WF MARIE WILLIAMS	DB Z 42, PG 595 MB 7, PG 81
100	10	STATE OF NORTH CAROLINA C/O STATE PROPERTY OFFICE	DB 1438, PG 71 MB 21 PG 20
101	10	WALTER L WILLIAMS & WF MARIE WILLIAMS	DB 431, PG 315 MB 7, PG 81 MB 29, PG 136
102	10	WARD HOLDINGS, LLC	DB 2760, PG 560 MB 11, PG 25 MB 37, PG 35
103	10	FAULKNER, EARL	DB 607, PG 158 MB 37, PG 35
104	11	BRADLEY SYDNOR PROPERTIES, LLC	DB 832, PG 848
105	11	VINCENT PEELE PROPERTIES LLC	DB 1143, PG 616 MB 11, PG 25
106	11	STATE OF NORTH CAROLINA C/O STATE PROPERTY OFFICE	DB 1894, PG 399
107	11	BRODY PROPERTIES, LLC	DB 950, PG 259 DB 1275, PG 416 DB 1528, PG 77 DB 1036, PG 382 MB 66, PG 110
108	11	STATE OF NORTH CAROLINA PROPERTY CONTROL SECTION	DB 2754, PG 573
109	11	STATE OF NORTH CAROLINA PROPERTY CONTROL SECTION	DB 2754, PG 569
110	11	SHIRLEY SAVEAGE SMITH	DB N 42, PG 25
111	5	CLARENCE PHILLIPS HEIRS	DB W, PG 210 MB 5, PG 98
112	5	CLARENCE PHILLIPS, & WF LILLIAN S PHILLIPS HEIRS	DB X 46 PG 612 MB 4, PG 150
113	6	RAY JOHNSON	DB 1644, PG 238 MB 4, PG 150
114	6	GARRIE W MOORE, SR & WF LAVEONNE S MOORE	DB 1332, PG 444 MB 4, PG 150
115	6	GARRIE W MOORE, SR & WF LAVEONNE S MOORE	DB X 54, PG 249 MB 4, PG 150
116	8	HOLLMAN, OSCAR L & WF CAROL P HOLLMAN	DB 309, PG 290 MB 2, PG 180

PROJ. REFERENCE NO.	SHEET NO.
U-3315	3-D

PRELIMINARY PLANS
DO NOT USE FOR CONSTRUCTION

STATE OF NORTH CAROLINA
DIVISION OF HIGHWAYS

PARCEL INDEX SHEET

PARCEL No.	SHEET No.	PROPERTY OWNER NAME	DEED BOOK
117	8	JOSEPH EUGENE HATCH	DB 687, PG 390 DB 726, PG 673
118	8	NOLAND PROPERTIES, INC	DB 382, PG 103
119	9	WACHOVIA BANK, NA	DB 2763, PG 838
120	9	STATE OF NORTH CAROLINA C/O STATE PROPERTY OFFICE	DB 1550, PG 766
121	9	STATE OF NORTH CAROLINA C/O STATE PROPERTY OFFICE	DB 1550, PG 446
122	12	UNKNOWN	
123	12	GAYLORD, THAD C	DB 1820, PG 644 MB 33, PG 29
124	12	JOHN W MORRIS & WF LISA B MORRIS	DB 604, PG 542 MB 45, PG 187
125	12	NEW SOUTH PROPERTIES	DB 903, PG 614 MB 26, PG 140
126	12	SHN PROPERTIES, LLC C/O BRAZOS TAX GROUP, INC	DB 1122, PG 836 MB 26, PG 140
127	5	BANK OF WINTERVILLE	DB Z 43, PG 109
128	5	COOK OUT MEMORIAL DRIVE INC	DB 2248, PG 117
129	12	MARIE S WILLIAMS	DB 269, PG 243
130	12	MOHAN PATEL AND RANJANA PATEL	DB 911 PG 545 DB 855 PG 150 DB 808 PG 306 MB 47, PG 80
131	12	COLLICE AND ANN MOORE, LLC	DB 2714 PG 27 MB 11, PG 15
132	14	RC RENTALS, LLC	DN 1138, PG 472 MB 3, PG 305 MB 5 PG 55
133	14	FREDDIE FARMER SR & WF CHRISTINE D FARMER	DB D 46, PG 745 MB 3, PG 305 MB 5 PG 55
134	14	CITY OF GREENVILLE	DB 2044, PG 791 MB 3, PG 305 MB 5 PG 55
135	14	EMMA NEWTON WHITEHURST ETAL	DB Y 24, PG 379 DB 2252, PG 747 MB 3, PG 305 MB 4, PG 5 MB 5 PG 55
136	14	STREETS TO HOMES	DB 2816, PG 761 MB 3, PG 305 MB 5 PG 55 MB 74 PG 98
137	6	KATHERINE FIELDS LIFE EST	ESTATE FILE 03E, PG 322 MB 3, PG 305 MB 5 PG 55
138	6	GROSS, ALLEGRA GRIMES	DB O 47, PG 440 MB 3, PG 305 MB 4 PG 5
139	6	CRUDIE O BRADLEY	DB 2309, PG 176 DB 1879, PG 106 MB 3, PG 305 MB 5 PG 55
140	6	RICHARD BRIAN STEWART	DB 1237, PG 416 MB 3, PG 305 MB 5 PG 55
141	6	BOBBY LEE COX	DB 259, PG 595 DB 2097, PG 811 MB 4, PG 150
142	6	SAAD RENTALS, LLC	DB 773, PG 408 MB 2, PG 180
143	6	ELIZABETH BURTON ROGERS & CHARLES M CHERRY	DB L 42, PG 464 MB 4, PG 50
144	6	SAAD RENTALS, LLC	DB 773, PG 408
145	6	REEVES, ALLIE MAMIE	DB V 44, PG 541 MB 4, PG 150

PARCEL No.	SHEET No.	PROPERTY OWNER NAME	DEED BOOK
146	6	ALI, NAIEM	DB 2187, PG 143 MB 2, PG 180
147	6	JAMES R HUDSON	DB 1241, PG 154 MB 2, PG 180
148	6	LLOYD K NEWMAN JR ETALS	DB 454, PG 356 MB 2, PG 180
149	6	LANDMARK CAPITAL INVESTMENTS, INC	DB 2332, PG 825 MB 2, PG 180
150	6	JAMES R HUDSON	DB 1241, PG 154 MB 2, PG 180
151	6	FAITH FAMILY AND FRIENDS HOME, LLC	DB 2459, PG 511 MB 2, PG 180
152	6	MOUNT CALVARY FWB CHURCH	DB 566, PG 498 MB 2, PG 180
153	6	ALICE GIBBS MOORE ETAL C/O ALICE MARIE MOORE	DB V 42, PG 463 MB 2, PG 180
154	6	ALTON W HOLLOMAN	DB T 46, PG 521 MB 2, PG 180
155	6	MOORE, SHEILA	DB 1893, PG 47 MB 2, PG 180
156	6	LASHELL MOORING SADLER, ADRIENNE MOORING & TERRY MOORING CONGLETON	DB 656, PG 823 MB 2, PG 180 MB 20, PG 185
157	6	JOSEPH E BARNES, & BETTY J BARNES	DB F 41, PG 418 MB 2, PG 180 MB 20, PG 185
158	6	FRANK V MORGAN & WF MARY D MORGAN	DB L 40, PG 562 MB 5, PG 42
159	6	THOMAS ERSKINE MARTIN, SR	DB 2936, PG 312 MB 6, PG 42
160	7	MINNIE EBRON C/O MYRTLE LOIS MCCALL	DB T 40, PG 69 MB 2, PG 180 MB 20, PG 185
161	7	MINNIE GERTRUDE CHERRY GATLIN	ESTATE FILE 00E, PG 120 DB V 42, PG 656 MB 2, PG 180 MB 20, PG 185
162	7	PITT COUNTY	DB 2819, PG 233 MB 74 PG 10
163	13	CITY OF GREENVILLE	DB 2312, PG 231 MB 2, PG 180
164	13	CRUDIE O BRADLEY	DB 1879, PG 106 DB 2309, PG 176 MB 24, PG 15
165	13	JACK W THORNTHON, & WF MARY KATHRYN THORNTHON	DB 2684, PG 58 MB 24, PG 15
166	13	CITY OF GREENVILLE	DB 2788, PG 09 MB 2, PG 180
167	7	ROBCHERYL LLC	DB 2548, PG 540 MB 2, PG 180
168	7	ANDERSON, BILLY R & WF LUCY G ANDERSON	DB 1141, PG 571 MB 2, PG 180
169	7	JT WILLIAMS & VIRGINIA S WILLIAMS	DB 913, PG 830 DB N 44, PG 209 DB N 44, PG 213 DB B 48, PG 226 DB M 37, PG 317 MB 24, PG 86
170	7	ANTHONY TODD SUTTON & JONATHAN KEVIN SUTTON	DB 1491, PG 322 MB 2, PG 180
171	7	JONATHAN SUTTON & TODD SUTTON	DB 1952, PG 701 MB 53 PG 71
172	7	WILLIAM GORHAM & WF MALINDA GORHAM	DB 1669, PG 524 MB 2 PG 180
173	7	OSCAR L HOLLOMAN, & WF CAROL P HOLLOMAN	DB 1635, PG 560 MB 24 PG 15
174	13	WHITE, MARIE BOWEN	DB Q 30, PG 453 MB 8 PG 122

PROJ. REFERENCE NO.	SHEET NO.
U-3315	3-E

PRELIMINARY PLANS
DO NOT USE FOR CONSTRUCTION

STATE OF NORTH CAROLINA
DIVISION OF HIGHWAYS

PARCEL INDEX SHEET

PARCEL No.	SHEET No.	PROPERTY OWNER NAME	DEED BOOK
175	13	DONALD A THOMPSON	DB 2494, PG 80 DB 582, PG 223
176	13	SUNRAY PROPERTIES LLC	DB 2202, PG 554 MB 8 PG 122
177	13	HARDY, BOBBY HOWARD II	DB 550, PG 595
178	13	LUDLOW MANAGEMENT LLC	DB 2579, PG 719 MB 8 PG 122
179	8	JAMES ROY HUDSON, JR & WF JEAN P MAEBELLE	DB 957, PG 500 MB 2, PG 180
180	8	BLACKBURN, EVA J	DB 2548, PG 465 MB 2 PG 180, PG 24 MB 24 PG 15
181	8	JOSEPH HIGGS GOODSON	DB E 31, PG 558 MB I PG 106
182	9	T DONALD TAYLOR W RONALD TAYLOR	DB 70, PG 224
183	9	WHITLOW & SON	DB 801, PG 49
184	9	WHITLOW & SONS	DB 1668, PG 262
185	9	DENNIS J BUCK & WF MELVA H BUCK	DB 987, PG 461
186	9	CITY OF GREENVILLE	DB F, PG 638
187	9	WILTON LEE GATLIN & JOSEPHINE GATLIN	DB G 52, PG 814
188	9	HOLLOMAN, OSCAR L & WF CAROL P HOLLOMAN	DB 2091, PG 235 MB 47, PG 161
189	9	WELMONT, LLC	DB 1221, PG 628 MB I PG 106
190	9	DUNCAN, LOUISE FINK	DB V 53, PG 840 DB A 54 PG 678 DB Q 37 PG 604 DB T 53 PG 818 DB T 51 PG 526 ESTATE FILE 97E, PG 558 MB 4, PG 104 MB I PG 106
191	9	WILSON, EARL C	DB U 54, PG 751 DB 2686, PG 547 MB I, PG 106
192	14	STATE OF NORTH CAROLINA C/O STATE PROPERTY OFFICE	DB 2108, PG 645 MB 41, PG 118
193	11	GENE BLAND ADAM & JASON B ADAMS	DB 1092, PG 529 DB 2536, PG 844
194	11	MCCARTHY ROBERT F	DB 2487, PG 377
195	11	WARD HOLDINGS, LLC	DB 2760, PG 560 MB 14, PG 40 MB 37, PG 35
196	11	JOSHUA DAVID JOHNSON	DB 2785, PG 464
197	11	WARD HOLDINGS, LLC	DB 2752, PG 650
198	11	MICHAEL JOHN CAREY	DB 491, PG 98
199	11	MICHAEL JOHN CAREY & WF MIRIAM P CAREY	DB 2672, PG 83

PARCEL No.	SHEET No.	PROPERTY OWNER NAME	DEED BOOK

-L-
PI Sta 20+02.56
Δ = 32° 48' 45.7" (RT)
D = 4° 46' 28.7"
L = 687.23'
T = 353.32'
R = 1,200.00'
DS > 55 MPH
SE = 0.03
RO = 156'

NOTES:
1 TIE TO EXIST CURB AND GUTTER AT EXIST CONCRETE JOINT TRANSITION 2'-6" C&G TO MATCH EXIST GUTTER WIDTH AS NECESSARY
2 SAWCUT AND REMOVE OR MILL EXISTING ASPHALT PAVEMENT OR CONCRETE PAVEMENT TO TIE-IN DRIVEWAY
3 TIE TO EXISTING CONCRETE SIDEWALK
4 REMOVE EXISTING STORM DRAINAGE STRUCTURE

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

RIGHT-OF-WAY REV.
CONST. REV.

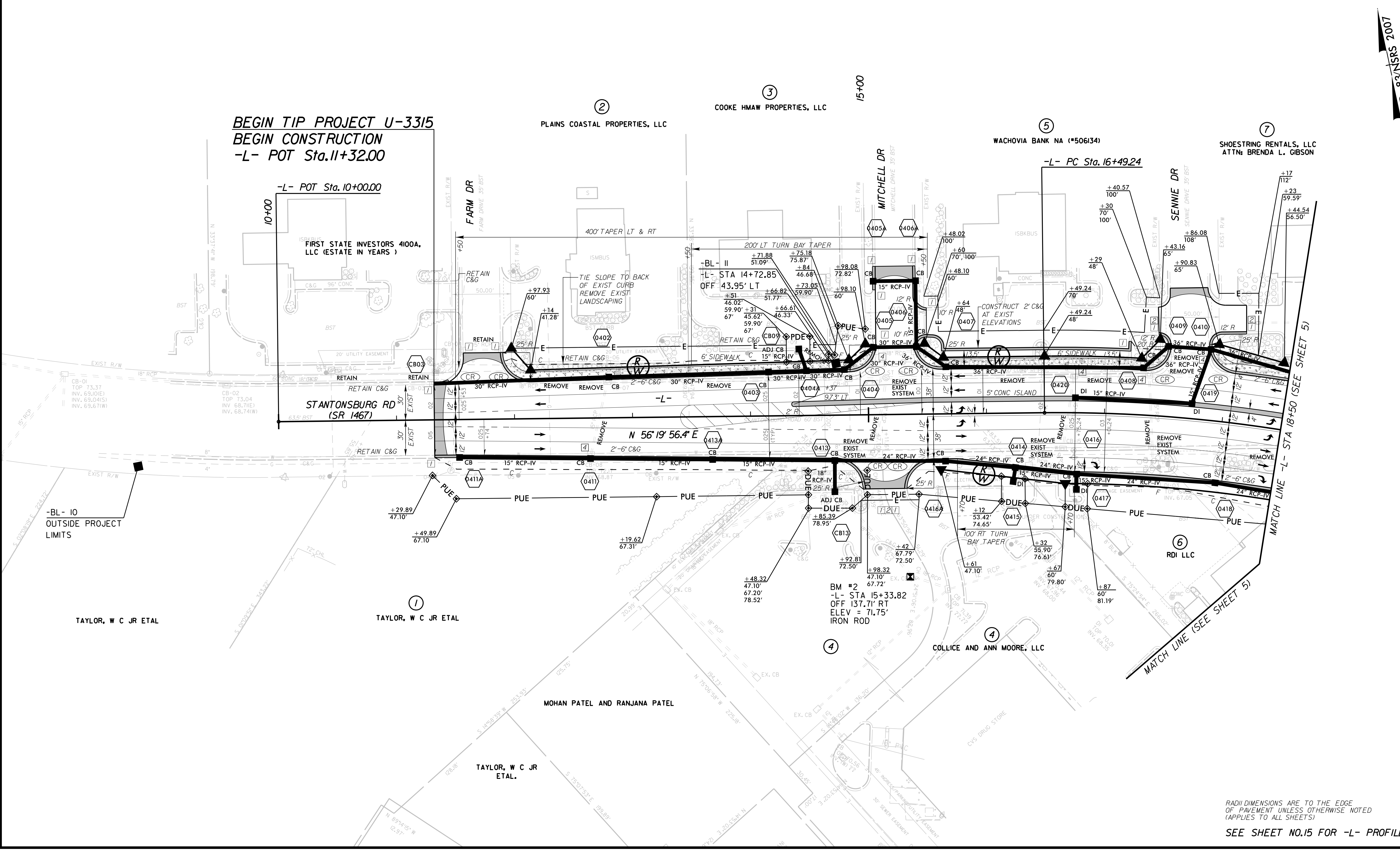
PROJECT REFERENCE NO.	SHEET NO.
U-3315	4

R/W SHEET NO.

ROADWAY ENGINEER | HYDRAULICS ENGINEER

PRELIMINARY PLANS
DO NOT USE FOR CONSTRUCTION

REVISIONS

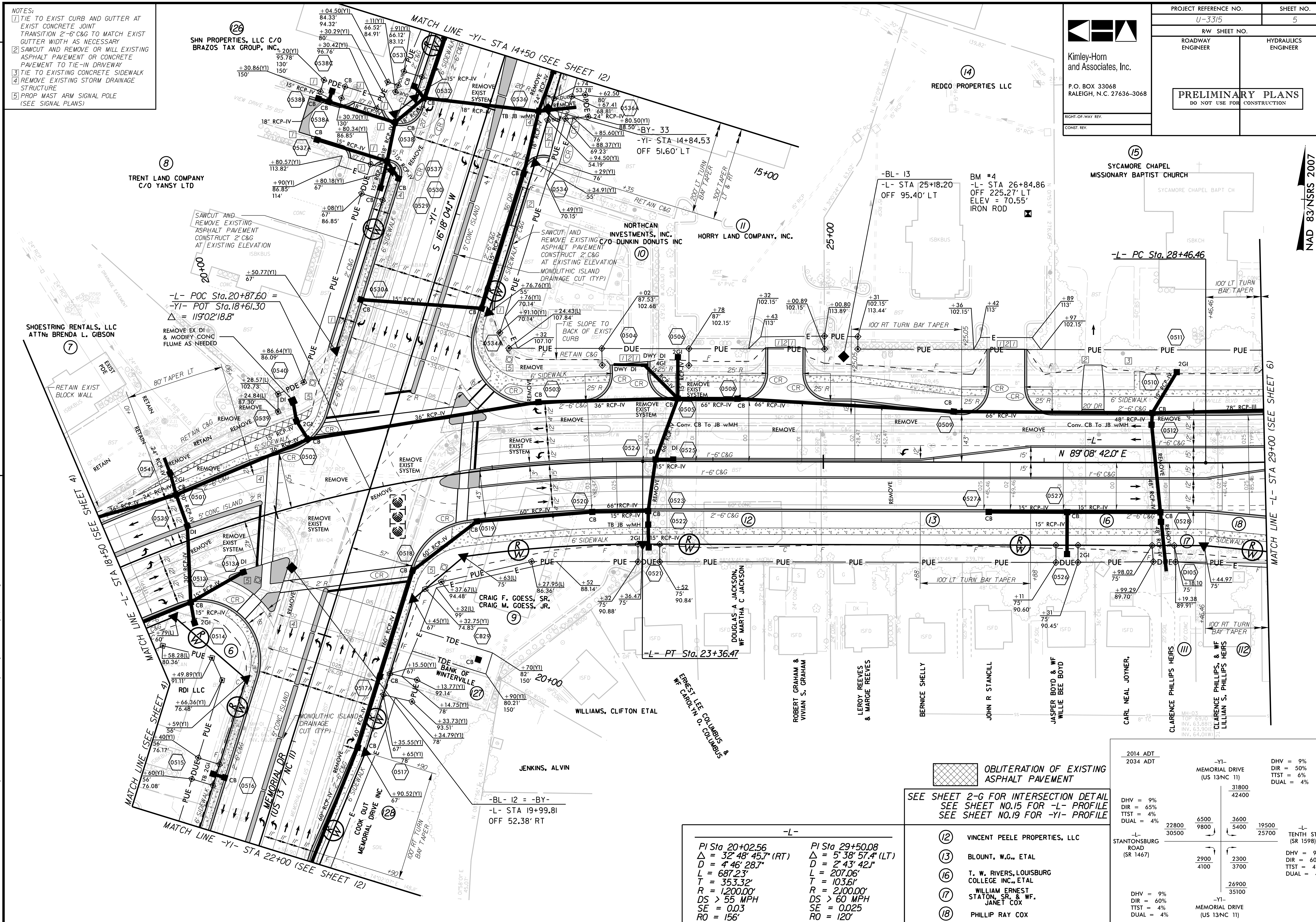


RADII DIMENSIONS ARE TO THE EDGE OF PAVEMENT UNLESS OTHERWISE NOTED (APPLIES TO ALL SHEETS)

SEE SHEET NO.15 FOR -L- PROFILE

5/30/2012
K:\RAL_Roadway\011036175 (U-3315)\Roadway\Proj\u3315_rdy_psh04.dgn

NOTES:
1. TIE TO EXIST CURB AND GUTTER AT EXIST CONCRETE JOINT TRANSITION 2'-6" C&G TO MATCH EXIST GUTTER WIDTH AS NECESSARY
2. SAWCUT AND REMOVE OR MILL EXISTING ASPHALT PAVEMENT OR CONCRETE PAVEMENT TO TIE-IN DRIVEWAY
3. TIE TO EXISTING CONCRETE SIDEWALK
4. REMOVE EXISTING STORM DRAINAGE STRUCTURE
5. PROP MAST ARM SIGNAL POLE (SEE SIGNAL PLANS)



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

PROJECT REFERENCE NO.	SHEET NO.
U-3315	5
R/W SHEET NO.	
ROADWAY ENGINEER	HYDRAULICS ENGINEER

RIGHT-OF-WAY REV.
CONST. REV.

PRELIMINARY PLANS
DO NOT USE FOR CONSTRUCTION

REVISIONS

OBLITERATION OF EXISTING ASPHALT PAVEMENT

SEE SHEET 2-G FOR INTERSECTION DETAIL
SEE SHEET NO.15 FOR -L- PROFILE
SEE SHEET NO.19 FOR -Y1- PROFILE

-L-

PI Sta 20+02.56	PI Sta 29+50.08
Δ = 32° 48' 45.7" (RT)	Δ = 5° 38' 57.4" (LT)
D = 4° 46' 28.7"	D = 2° 43' 42.1"
L = 687.23'	L = 207.06'
T = 353.32'	T = 103.61'
R = 1,200.00'	R = 2,100.00'
DS > 55 MPH	DS > 60 MPH
SE = 0.03	SE = 0.025
RO = 156'	RO = 120'

12 VINCENT PEELE PROPERTIES, LLC
13 BLOUNT, W.G., ETAL
16 T. W. RIVERS, LOUISBURG COLLEGE INC., ETAL
17 WILLIAM ERNEST STATON, SR. & WF. JANET COX
18 PHILLIP RAY COX

2014 ADT
2034 ADT

-Y1- MEMORIAL DRIVE (US 13/NC 11): 31800 / 42400; DHV = 9%, DIR = 50%, TTST = 6%, DUAL = 4%
-L- STANTONSBURG ROAD (SR 1467): 22800 / 30500; DHV = 9%, DIR = 65%, TTST = 4%, DUAL = 4%
6500 / 9800
3600 / 5400
-L- TENTH ST (SR 1598): 19500 / 25700; DHV = 9%, DIR = 60%, TTST = 4%, DUAL = 4%
2900 / 4100
2300 / 3700
-Y1- MEMORIAL DRIVE (US 13/NC 11): 26900 / 35100; DHV = 9%, DIR = 60%, TTST = 4%, DUAL = 4%

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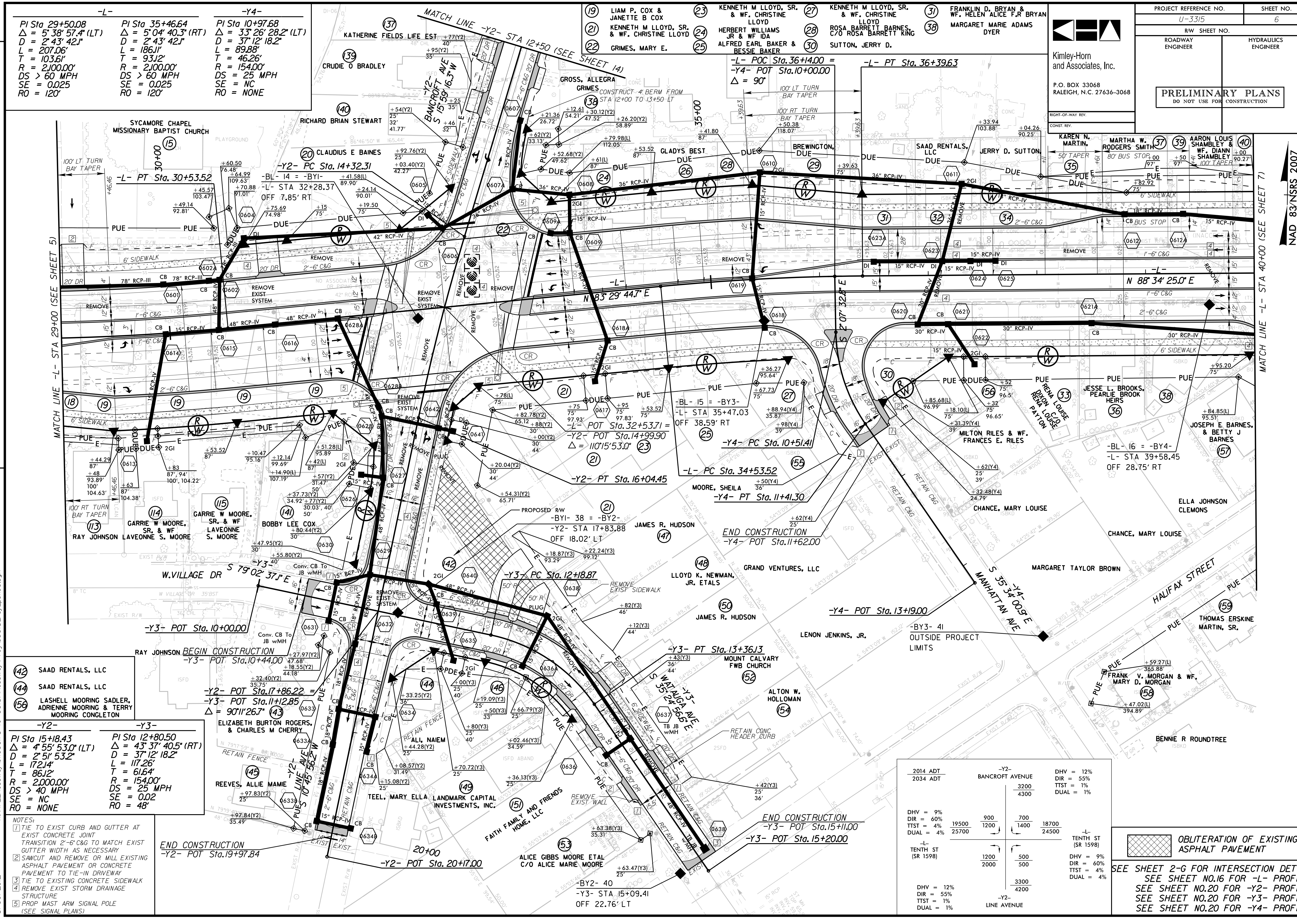
5/30/2012



-L-
PI Sta 29+50.08
Δ = 5° 38' 57.4" (LT)
D = 2° 43' 42.1"
L = 207.06'
T = 103.61'
R = 2,100.00'
DS > 60 MPH
SE = 0.025
RO = 120'
PI Sta 35+46.64
Δ = 5° 04' 40.3" (RT)
D = 2° 43' 42.1"
L = 186.11'
T = 93.12'
R = 2,100.00'
DS > 60 MPH
SE = 0.025
RO = 120'
-Y4-
PI Sta 10+97.68
Δ = 33° 26' 28.2" (LT)
D = 37° 12' 18.2"
L = 89.88'
T = 46.26'
R = 154.00'
DS = 25 MPH
SE = NC
RO = NONE
19 LIAM P. COX & JANETTE B COX
21 KENNETH M LLOYD, SR. & WF. CHRISTINE LLOYD
22 GRIMES, MARY E.
23 KENNETH M LLOYD, SR. & WF. CHRISTINE LLOYD
24 HERBERT WILLIAMS JR & WF IDA
25 ALFRED EARL BAKER & BESSIE BAKER
27 KENNETH M LLOYD, SR. & WF. CHRISTINE LLOYD
28 ROSA BARRETT BARNES, C/O ROSA BARRETT KING
30 SUTTON, JERRY D.
31 FRANKLIN D. BRYAN & WF. HELEN ALICE F.R BRYAN
38 MARGARET MARIE ADAMS DYER
Kimley-Horn and Associates, Inc.
P.O. BOX 33068
RALEIGH, N.C. 27636-3068
PROJECT REFERENCE NO. U-3315
SHEET NO. 6
R/W SHEET NO.
ROADWAY ENGINEER
HYDRAULICS ENGINEER
RIGHT-OF-WAY REV.
CONST. REV.
PRELIMINARY PLANS
DO NOT USE FOR CONSTRUCTION
REVISIONS
MATCH LINE -Y2- STA 12+50 (SEE SHEET 14)
MATCH LINE -L- STA 29+00 (SEE SHEET 5)
MATCH LINE -L- STA 40+00 (SEE SHEET 7)
NAD 83/NSRS 2007
-L- PT Sta. 30+53.52
-Y2- PC Sta. 14+32.31
-BL- 14 = -BY1-
-L- STA 32+28.37
OFF 7.85' RT
-L- POC Sta. 36+14.00 =
-Y4- POT Sta. 10+00.00
Δ = 90°
-L- PT Sta. 36+39.63
-BL- 15 = -BY3-
-L- STA 35+47.03
OFF 38.59' RT
-L- POT Sta. 32+53.71 =
-Y2- POT Sta. 14+99.90
Δ = 110° 15' 53.0"
-Y2- PT Sta. 16+04.45
-L- PC Sta. 34+53.52
-Y4- PC Sta. 10+51.41
-Y4- PT Sta. 11+41.30
END CONSTRUCTION
-Y4- POT Sta. 11+62.00
-BL- 16 = -BY4-
-L- STA 39+58.45
OFF 28.75' RT
N 83° 29' 44.1" E
N 88° 34' 25.0" E
BANCROFT AVE S 15° 59' 16.3" W
S 79° 02' 37.1" E
W. VILLAGE DR
-BY1- 38 = -BY2-
-Y2- STA 17+83.88
OFF 18.02' LT
-Y3- PC Sta. 12+18.87
-Y3- POT Sta. 10+00.00
BEGIN CONSTRUCTION
-Y3- POT Sta. 10+44.00
-Y2- POT Sta. 17+86.22 =
-Y3- POT Sta. 11+12.85
Δ = 90° 11' 26.7"
-Y3- PT Sta. 13+36.13
WATAUGA AVE S 55° 24' 56.6" E
-Y4- POT Sta. 13+19.00
-BY3- 41
OUTSIDE PROJECT LIMITS
MANHATTAN AVE S 35° 34' 00.9" E
HALIFAX STREET
END CONSTRUCTION
-Y3- POT Sta. 15+11.00
-Y3- POT Sta. 15+20.00
END CONSTRUCTION
-Y2- POT Sta. 19+97.84
-Y2- POT Sta. 20+17.00
LINE AVE S 10° 45' 56.2" W
-BY2- 40
-Y3- STA 15+09.41
OFF 22.76' LT
SYCAMORE CHAPEL MISSIONARY BAPTIST CHURCH
KATHERINE FIELDS LIFE EST
CRUDIE O BRADLEY
RICHARD BRIAN STEWART
CLAUDIUS E BAINES
GROSS, ALLEGRA GRIMES
GLADYS BEST
BREWINGTON, DUE
SAAD RENTALS, LLC
JERRY D. SUTTON
KAREN N. MARTIN
MARTHA W. RODGERS SMITH
AARON LOUIS SHAMBLEY & WF. DIANN SHAMBLEY
JESSE L. BROOKS, PEARLIE BROOK HEIRS
RENA LOUISE DIXON C/O RENA LOUISE PAYTON
MILTON RILES & WF. FRANCES E. RILES
JOSEPH E BARNES, & BETTY J BARNES
MOORE, SHEILA
CHANCE, MARY LOUISE
ELLA JOHNSON CLEMONS
MARGARET TAYLOR BROWN
GARRIE W MOORE, SR. & WF LAVEONNE S. MOORE
RAY JOHNSON LAVEONNE S. MOORE
BOBBY LEE COX
JAMES R. HUDSON
LLOYD K. NEWMAN, JR. ETALS
GRAND VENTURES, LLC
LENON JENKINS, JR.
MOUNT CALVARY FWB CHURCH
ALTON W. HOLLOMAN
THOMAS ERSKINE MARTIN, SR.
FRANK V. MORGAN & WF. MARY D. MORGAN
BENNIE R ROUNDTREE
RAY JOHNSON
ELIZABETH BURTON ROGERS, & CHARLES M CHERRY
ALI, NAIEM
REEVES, ALLIE MAMIE
TEEL, MARY ELLA
LANDMARK CAPITAL INVESTMENTS, INC.
FAITH FAMILY AND FRIENDS HOME, LLC
ALICE GIBBS MOORE ETAL C/O ALICE MARIE MOORE
142 SAAD RENTALS, LLC
144 SAAD RENTALS, LLC
156 LASHELL MOORING SADLER, ADRIENNE MOORING & TERRY MOORING CONGLETON
-Y2-
PI Sta 15+18.43
Δ = 4° 55' 53.0" (LT)
D = 2° 51' 53.2"
L = 172.14'
T = 86.12'
R = 2,000.00'
DS > 40 MPH
SE = NC
RO = NONE
-Y3-
PI Sta 12+80.50
Δ = 43° 37' 40.5" (RT)
D = 37° 12' 18.2"
L = 117.26'
T = 61.64'
R = 154.00'
DS = 25 MPH
SE = 0.02
RO = 48'
NOTES:
1 TIE TO EXIST CURB AND GUTTER AT EXIST CONCRETE JOINT TRANSITION 2'-6" C&G TO MATCH EXIST GUTTER WIDTH AS NECESSARY
2 SAWCUT AND REMOVE OR MILL EXISTING ASPHALT PAVEMENT OR CONCRETE PAVEMENT TO TIE-IN DRIVEWAY
3 TIE TO EXISTING CONCRETE SIDEWALK
4 REMOVE EXIST STORM DRAINAGE STRUCTURE
5 PROP MAST ARM SIGNAL POLE (SEE SIGNAL PLANS)
2014 ADT
2034 ADT
-Y2- BANCROFT AVENUE
-L- TENTH ST (SR 1598)
-Y2- LINE AVENUE
OBLITERATION OF EXISTING ASPHALT PAVEMENT
SEE SHEET 2-G FOR INTERSECTION DETAIL
SEE SHEET NO.16 FOR -L- PROFILE
SEE SHEET NO.20 FOR -Y2- PROFILE
SEE SHEET NO.20 FOR -Y3- PROFILE
SEE SHEET NO.20 FOR -Y4- PROFILE
5/30/2012
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40 WILLIAM L. SANDERS & WF. DEBORAH E. SANDERS
41 BOYD, BOBBY E.
43 CARL FODUS CHERRY, & MAMIE CHERRY
45 TURNAGE, LULA J.
51 WILLIE LEE MOORE & WF. ALICE P. MOORE
52 BOBBY R. BOWEN & BLANCHE H. WILSON
53 BOBBY R BOWEN, SR MARSHALL L BOWEN
54 BOBBY R. BOWEN & BLANCHE H. WILSON
171 JONATHAN SUTTON & TODD SUTTON

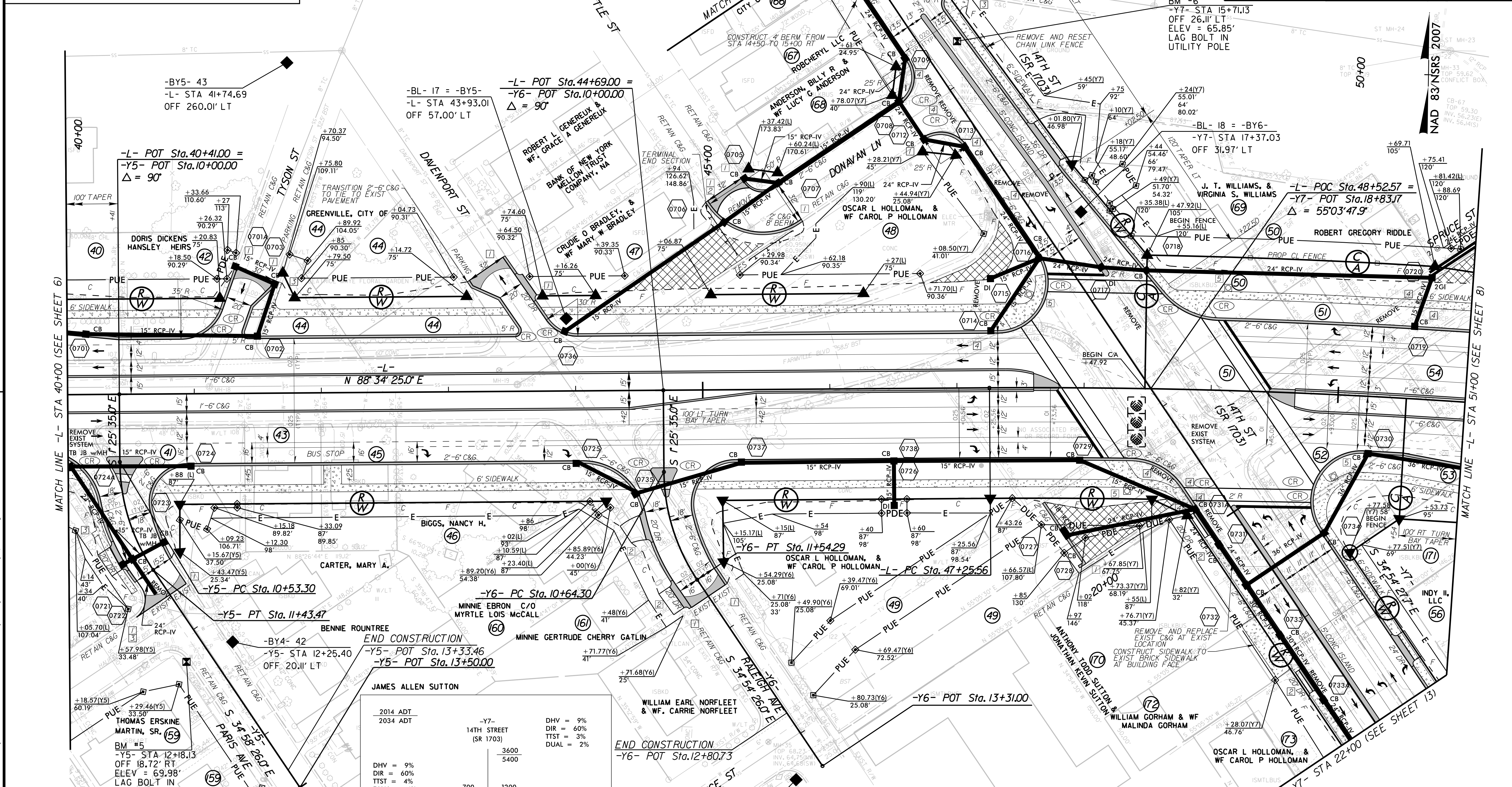
PROJECT REFERENCE NO.	SHEET NO.
U-3315	7
R/W SHEET NO.	
ROADWAY ENGINEER	HYDRAULICS ENGINEER

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

RIGHT-OF-WAY REV.
CONST. REV.

PRELIMINARY PLANS
DO NOT USE FOR CONSTRUCTION

REVISIONS



	2014 ADT / 2034 ADT
-Y7- 14TH STREET (SR 1703)	3600 / 5400
	DHV = 9%, DIR = 60%, TTST = 3%, DUAL = 2%
-L- TENTH STREET (SR 1598)	18700 / 24500; 700 / 1100
	DHV = 9%, DIR = 60%, TTST = 4%, DUAL = 4%
-L- 10TH STREET (SR 1598)	17800 / 24900; 1200 / 2100
	DHV = 9%, DIR = 60%, TTST = 4%, DUAL = 4%
-Y7- 14TH STREET (SR 1703)	10200 / 12500; 5000 / 5600; 2600 / 4800
	DHV = 9%, DIR = 55%, TTST = 3%, DUAL = 2%

NOTES:
1. TIE TO EXIST CURB AND GUTTER AT EXIST CONCRETE JOINT TRANSITION 2'-6" C&G TO MATCH EXIST GUTTER WIDTH AS NECESSARY
2. SAWCUT AND REMOVE OR MILL EXISTING ASPHALT PAVEMENT OR CONCRETE PAVEMENT TO TIE-IN DRIVEWAY
3. TIE TO EXISTING CONCRETE SIDEWALK
4. REMOVE EXISTING STORM DRAINAGE STRUCTURE
5. PROP MAST ARM SIGNAL POLE (SEE SIGNAL PLANS)

-L-	-Y5-	-Y6-
PI Sta 54+71.63	PI Sta 10+99.72	PI Sta 11+10.62
Δ = 16° 58' 24.2" (RT)	Δ = 33° 32' 51.0" (LT)	Δ = 33° 28' 51.0" (LT)
D = 1° 08' 45.3"	D = 37° 12' 18.2"	D = 37° 12' 18.2"
L = 1,481.21'	L = 90.17'	L = 89.99'
T = 746.07'	T = 46.42'	T = 46.32'
R = 5,000.00'	R = 154.00'	R = 154.00'
DS > 60 MPH	DS = 25 MPH	DS = 25 MPH
SE = NC	SE = NC	SE = NC
RO = NONE	RO = NONE	RO = NONE

OBLITERATION OF EXISTING ASPHALT PAVEMENT

SEE SHEET 2-H FOR INTERSECTION DETAIL
SEE SHEET NO.16 FOR -L- PROFILE
SEE SHEET NO.21 FOR -Y5- PROFILE
SEE SHEET NO.21 FOR -Y6- PROFILE
SEE SHEET NOS.21 & 22 FOR -Y7- PROFILE

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5/30/2012

PROJECT REFERENCE NO.	SHEET NO.
U-3315	8
R/W SHEET NO.	
ROADWAY ENGINEER	HYDRAULICS ENGINEER

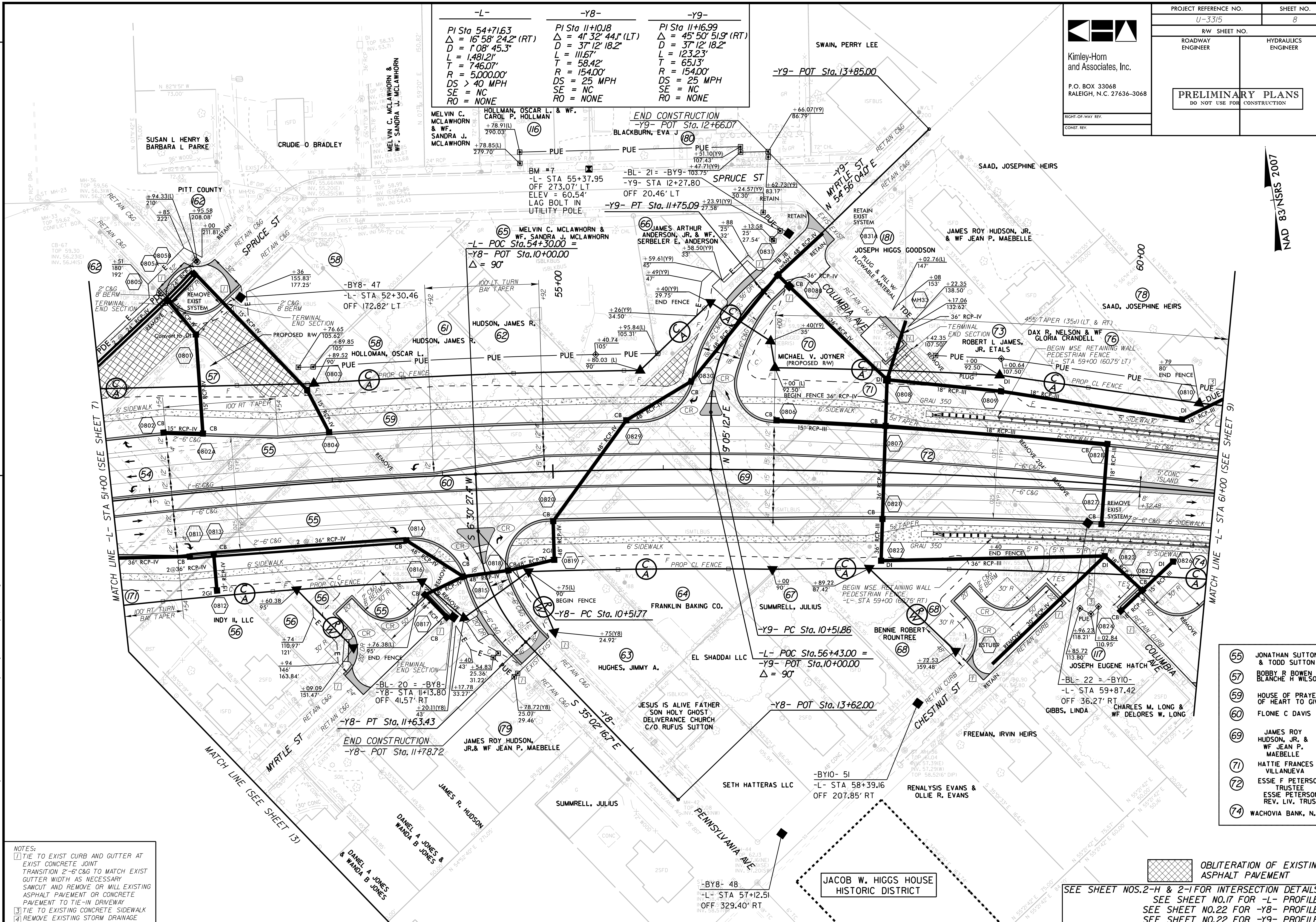
Kimley-Horn and Associates, Inc.
P.O. BOX 33068
RALEIGH, N.C. 27636-3068

PRELIMINARY PLANS
DO NOT USE FOR CONSTRUCTION

RIGHT-OF-WAY REV.
CONST. REV.

REVISIONS

-L-	-Y8-	-Y9-
PI Sta 54+71.63	PI Sta 11+10.18	PI Sta 11+16.99
Δ = 16° 58' 24.2" (RT)	Δ = 41° 32' 44.1" (LT)	Δ = 45° 50' 51.9" (RT)
D = 1° 08' 45.3"	D = 37° 12' 18.2"	D = 37° 12' 18.2"
L = 1,481.21'	L = 111.67'	L = 123.23'
T = 746.07'	T = 58.42'	T = 65.13'
R = 5,000.00'	R = 154.00'	R = 154.00'
DS > 40 MPH	DS = 25 MPH	DS = 25 MPH
SE = NC	SE = NC	SE = NC
RO = NONE	RO = NONE	RO = NONE



55	JONATHAN SUTTON & TODD SUTTON
57	BOBBY R BOWEN & BLANCHE H WILSON
59	HOUSE OF PRAYER-OF HEART TO GIVE
60	FLONIE C DAVIS
69	JAMES ROY HUDSON, JR. & WF JEAN P. MAEBELLE
71	HATTIE FRANCES VILLANUEVA
72	ESSIE F PETERSON TRUSTEE ESSIE PETERSON REV. LIV. TRUST
74	WACHOVIA BANK, N.A.

OBLITERATION OF EXISTING ASPHALT PAVEMENT

SEE SHEET NOS. 2-H & 2-I FOR INTERSECTION DETAILS
SEE SHEET NO. 17 FOR -L- PROFILE
SEE SHEET NO. 22 FOR -Y8- PROFILE
SEE SHEET NO. 22 FOR -Y9- PROFILE

NOTES:
1. TIE TO EXIST CURB AND GUTTER AT EXIST CONCRETE JOINT
TRANSITION 2'-6" C&G TO MATCH EXIST GUTTER WIDTH AS NECESSARY
SAWCUT AND REMOVE OR MILL EXISTING ASPHALT PAVEMENT OR CONCRETE PAVEMENT TO TIE-IN DRIVEWAY
3. TIE TO EXISTING CONCRETE SIDEWALK
4. REMOVE EXISTING STORM DRAINAGE STRUCTURE

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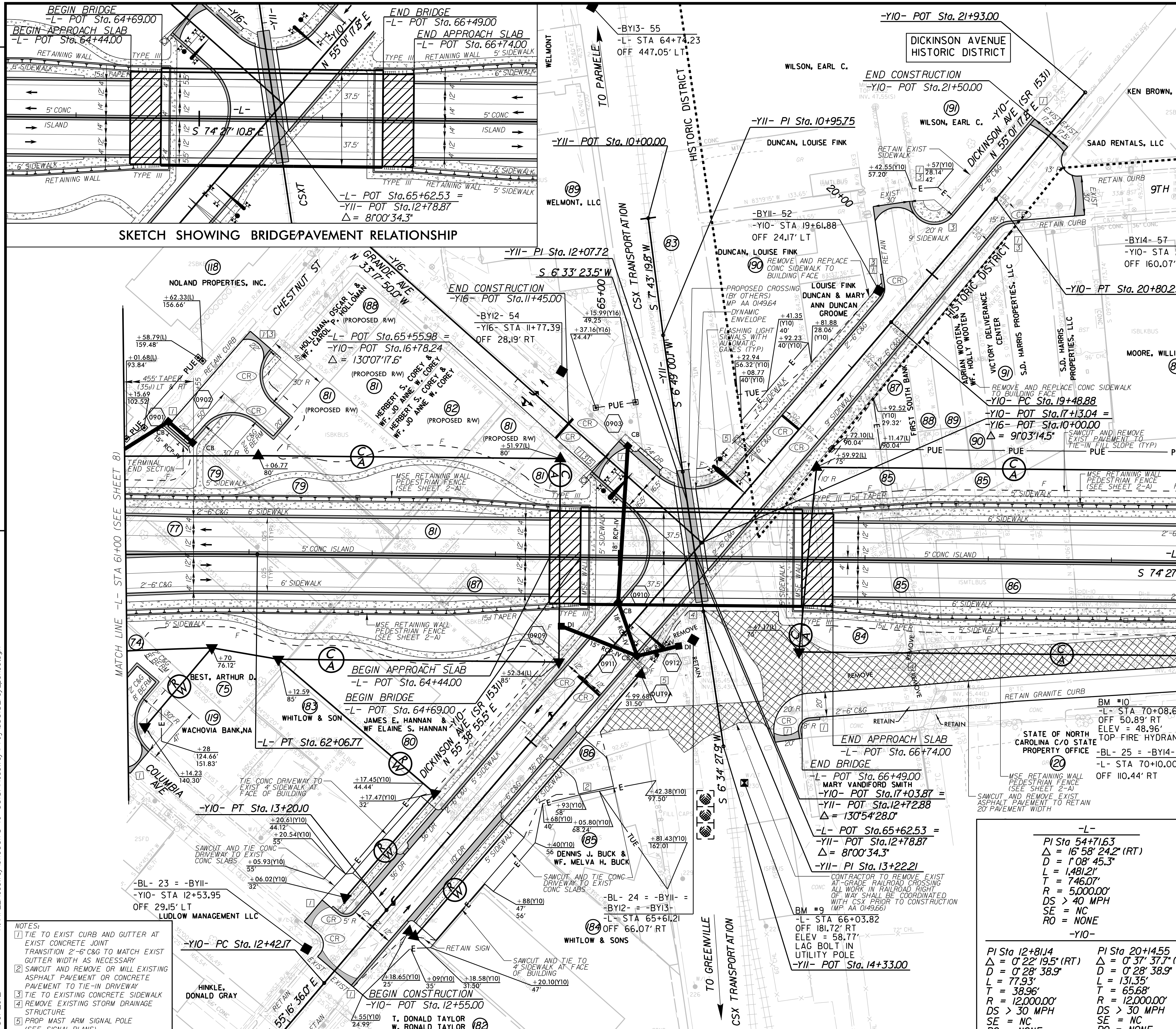
5/30/2012



PROJECT REFERENCE NO.	SHEET NO.
U-3315	9

R/W SHEET NO.

ROADWAY ENGINEER | HYDRAULICS ENGINEER

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

PRELIMINARY PLANS
DO NOT USE FOR CONSTRUCTION

RIGHT-OF-WAY REV.
CONST. REV.

REVISIONS

NOTES:
1. TIE TO EXIST CURB AND GUTTER AT EXIST CONCRETE JOINT TRANSITION 2'-6" C&G TO MATCH EXIST GUTTER WIDTH AS NECESSARY
2. SAWCUT AND REMOVE OR MILL EXISTING ASPHALT PAVEMENT OR CONCRETE PAVEMENT TO TIE-IN DRIVEWAY
3. TIE TO EXISTING CONCRETE SIDEWALK
4. REMOVE EXISTING STORM DRAINAGE STRUCTURE
5. PROP MAST ARM SIGNAL POLE (SEE SIGNAL PLANS)

74	WACHOVIA BANK, N.A.
77	SAAD, GEORGE JR.
79	PUGH'S TIRE & SERVICE CENTER, INC.
84	DEREK A. SANDERSON & WF. DIANNE S. SANDERSON
86	MOORE, WILLIAM PHILIP JR
88	CHARLES A LAWRENCE & MARY B ATKESON
89	BREAKTHROUGH REVIVAL CENTER
121	STATE OF NORTH CAROLINA C/O PROPERTY OFFICE
186	CITY OF GREENVILLE
187	WILTON LEE GATLIN JOSEPHINE GATLIN

-L-
PI Sta 54+71.63
△ = 16° 58' 24.2" (RT)
D = 1° 08' 45.3"
L = 1,481.21'
T = 746.07'
R = 5,000.00'
DS > 40 MPH
SE = NC
RO = NONE

-YI0-

PI Sta 12+81.14	PI Sta 20+14.55
△ = 0° 22' 19.5" (RT)	△ = 0° 37' 37.7" (LT)
D = 0° 28' 38.9"	D = 0° 28' 38.9"
L = 77.93'	L = 131.35'
T = 38.96'	T = 65.68'
R = 12,000.00'	R = 12,000.00'
DS > 30 MPH	DS > 30 MPH
SE = NC	SE = NC
RO = NONE	RO = NONE

OBLITERATION OF EXISTING ASPHALT PAVEMENT

SEE SHEET 2-I FOR INTERSECTION DETAIL
SEE SHEET NO.17 FOR -L- PROFILE
SEE SHEET NO.22 FOR -YI0- PROFILE
SEE SHEET NO.23 FOR -Y16- PROFILE
SEE SHEET NOS.S-1 THRU S- FOR STRUCTURE PLANS

PROJECT REFERENCE NO.	SHEET NO.
U-3315	10
R/W SHEET NO.	
ROADWAY ENGINEER	HYDRAULICS ENGINEER

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

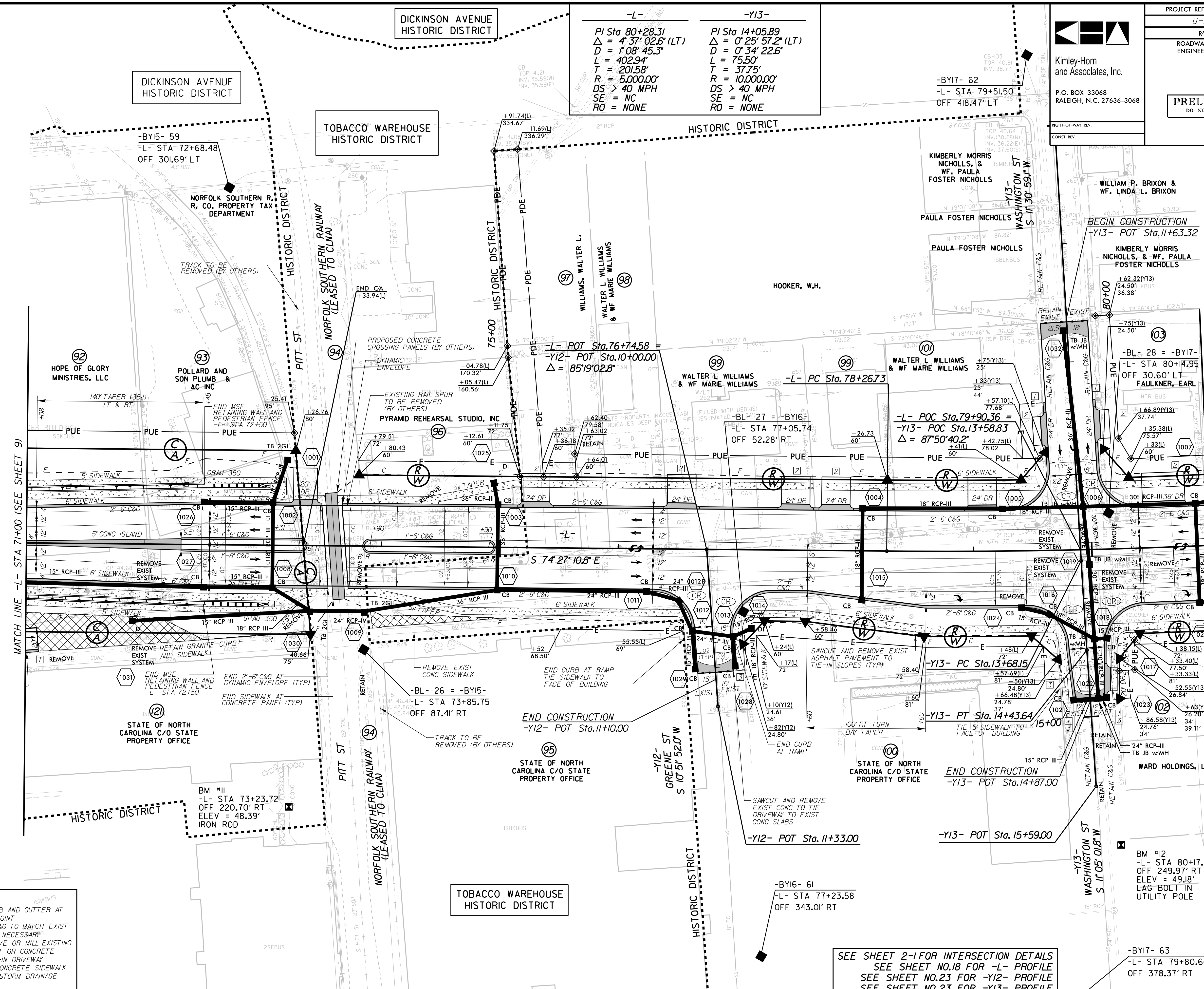
RIGHT-OF-WAY REV.
CONST. REV.

PRELIMINARY PLANS
DO NOT USE FOR CONSTRUCTION

REVISIONS

-L-	-Y13-
PI Sta 80+28.31	PI Sta 14+05.89
Δ = 4° 37' 02.6" (LT)	Δ = 0° 25' 57.2" (LT)
D = 1° 08' 45.3"	D = 0° 34' 22.6"
L = 402.94'	L = 75.50'
T = 201.58'	T = 37.75'
R = 5,000.00'	R = 10,000.00'
DS > 40 MPH	DS > 40 MPH
SE = NC	SE = NC
RO = NONE	RO = NONE

NAD 83/NSRS 2007



NOTES:
1. TIE TO EXIST CURB AND GUTTER AT EXIST CONCRETE JOINT TRANSITION 2'-6" C&G TO MATCH EXIST GUTTER WIDTH AS NECESSARY
2. SAWCUT AND REMOVE OR MILL EXISTING ASPHALT PAVEMENT OR CONCRETE PAVEMENT TO TIE-IN DRIVEWAY
3. TIE TO EXISTING CONCRETE SIDEWALK
4. REMOVE EXISTING STORM DRAINAGE STRUCTURE

SEE SHEET 2-1 FOR INTERSECTION DETAILS
SEE SHEET NO.18 FOR -L- PROFILE
SEE SHEET NO.23 FOR -Y12- PROFILE
SEE SHEET NO.23 FOR -Y13- PROFILE

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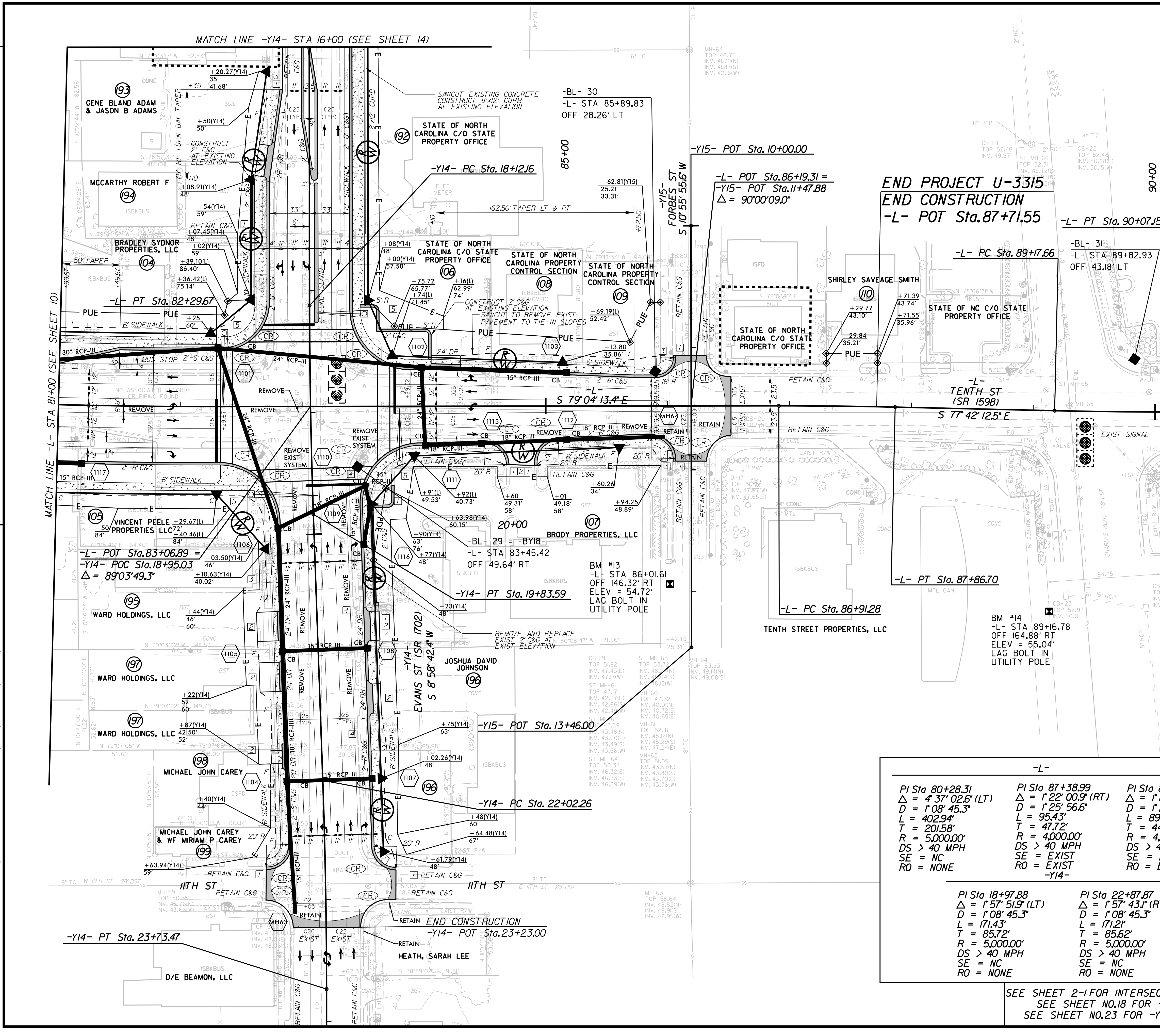
PROJECT REFERENCE NO.	SHEET NO.
U-3315	11
R/W SHEET NO.	
ROADWAY ENGINEER	HYDRAULICS ENGINEER

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

RIGHT-OF-WAY REV.
CONST. REV.

PRELIMINARY PLANS
DO NOT USE FOR CONSTRUCTION

REVISIONS



NOTES:
1. TIE TO EXIST CURB AND GUTTER AT EXIST CONCRETE JOINT TRANSITION 2'-6" C&G TO MATCH EXIST GUTTER WIDTH AS NECESSARY
2. SAWCUT AND REMOVE OR MILL EXISTING ASPHALT PAVEMENT OR CONCRETE PAVEMENT TO TIE-IN DRIVEWAY
3. TIE TO EXISTING CONCRETE SIDEWALK
4. REMOVE EXISTING STORM DRAINAGE STRUCTURE
5. PROP MAST ARM SIGNAL POLE (SEE SIGNAL PLANS)

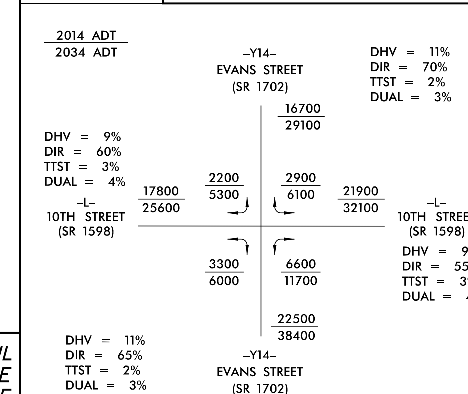
-L-

PI Sta 80+28.31	PI Sta 87+38.99	PI Sta 89+62.41
Δ = 4° 37' 02.6" (LT)	Δ = 1° 22' 00.9" (RT)	Δ = 1° 16' 54.3" (LT)
D = 1° 08' 45.3"	D = 1° 25' 56.6"	D = 1° 25' 56.6"
L = 402.94'	L = 95.43'	L = 89.48'
T = 201.58'	T = 47.72'	T = 44.74'
R = 5,000.00'	R = 4,000.00'	R = 4,000.00'
DS > 40 MPH	DS > 40 MPH	DS > 40 MPH
SE = NC	SE = EXIST	SE = EXIST
RO = NONE	RO = EXIST	RO = EXIST

-Y14-

PI Sta 18+97.88	PI Sta 22+87.87
Δ = 1° 57' 51.9" (LT)	Δ = 1° 57' 43.1" (RT)
D = 1° 08' 45.3"	D = 1° 08' 45.3"
L = 171.43'	L = 171.21'
T = 85.72'	T = 85.62'
R = 5,000.00'	R = 5,000.00'
DS > 40 MPH	DS > 40 MPH
SE = NC	SE = NC
RO = NONE	RO = NONE

SEE SHEET 2-1 FOR INTERSECTION DETAIL
SEE SHEET NO.18 FOR -L- PROFILE
SEE SHEET NO.23 FOR -Y14- PROFILE



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5/30/2012

NOTES:
1. TIE TO EXIST CURB AND GUTTER AT EXIST CONCRETE JOINT TRANSITION 2'-6" C&G TO MATCH EXIST GUTTER WIDTH AS NECESSARY
2. SAWCUT AND REMOVE OR MILL EXISTING ASPHALT PAVEMENT OR CONCRETE PAVEMENT TO TIE-IN DRIVEWAY
3. TIE TO EXISTING CONCRETE SIDEWALK
4. REMOVE EXISTING STORM DRAINAGE STRUCTURE

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

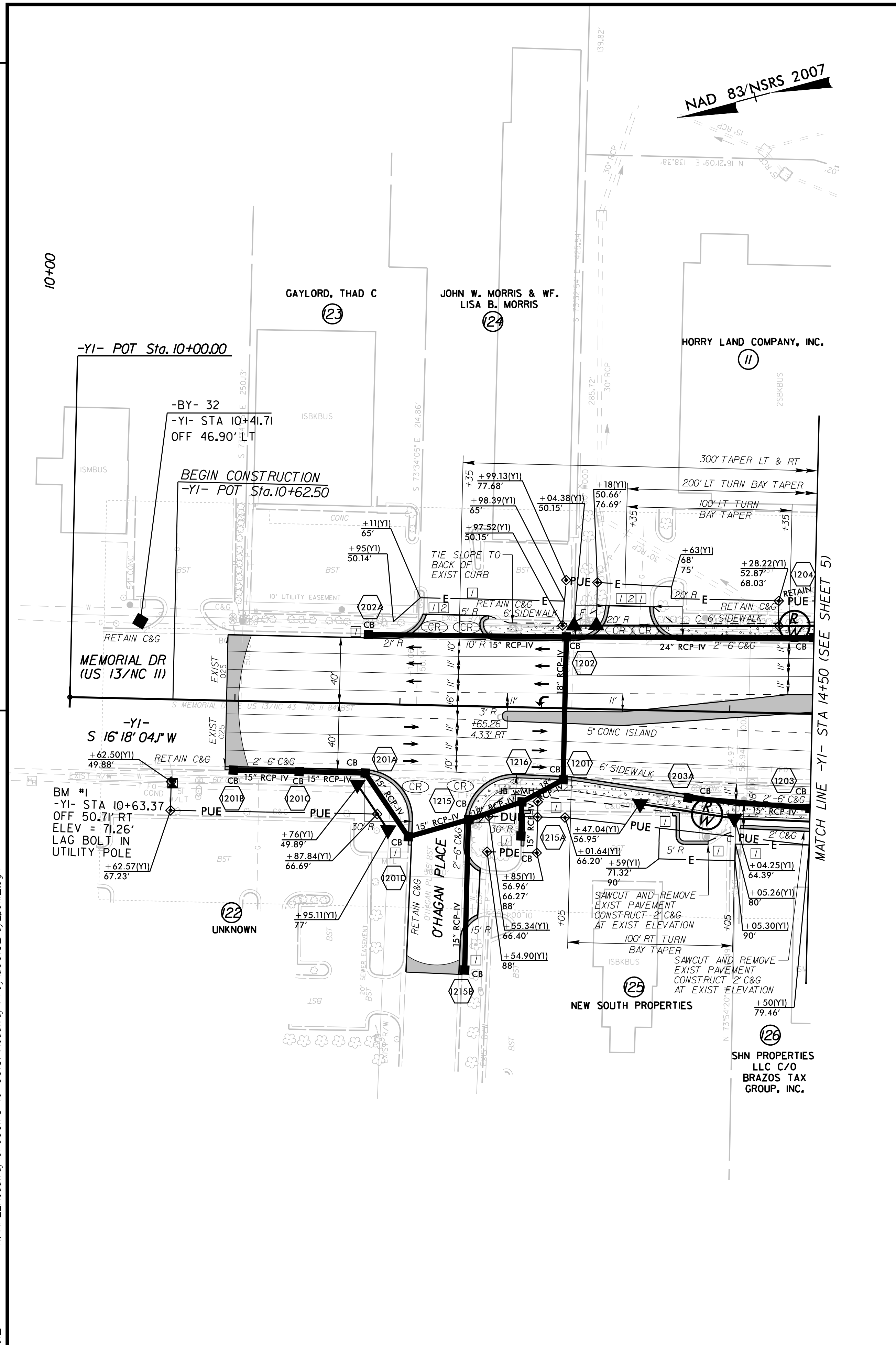
PROJECT REFERENCE NO.	SHEET NO.
U-3315	12
R/W SHEET NO.	
ROADWAY ENGINEER	HYDRAULICS ENGINEER

RIGHT-OF-WAY REV.

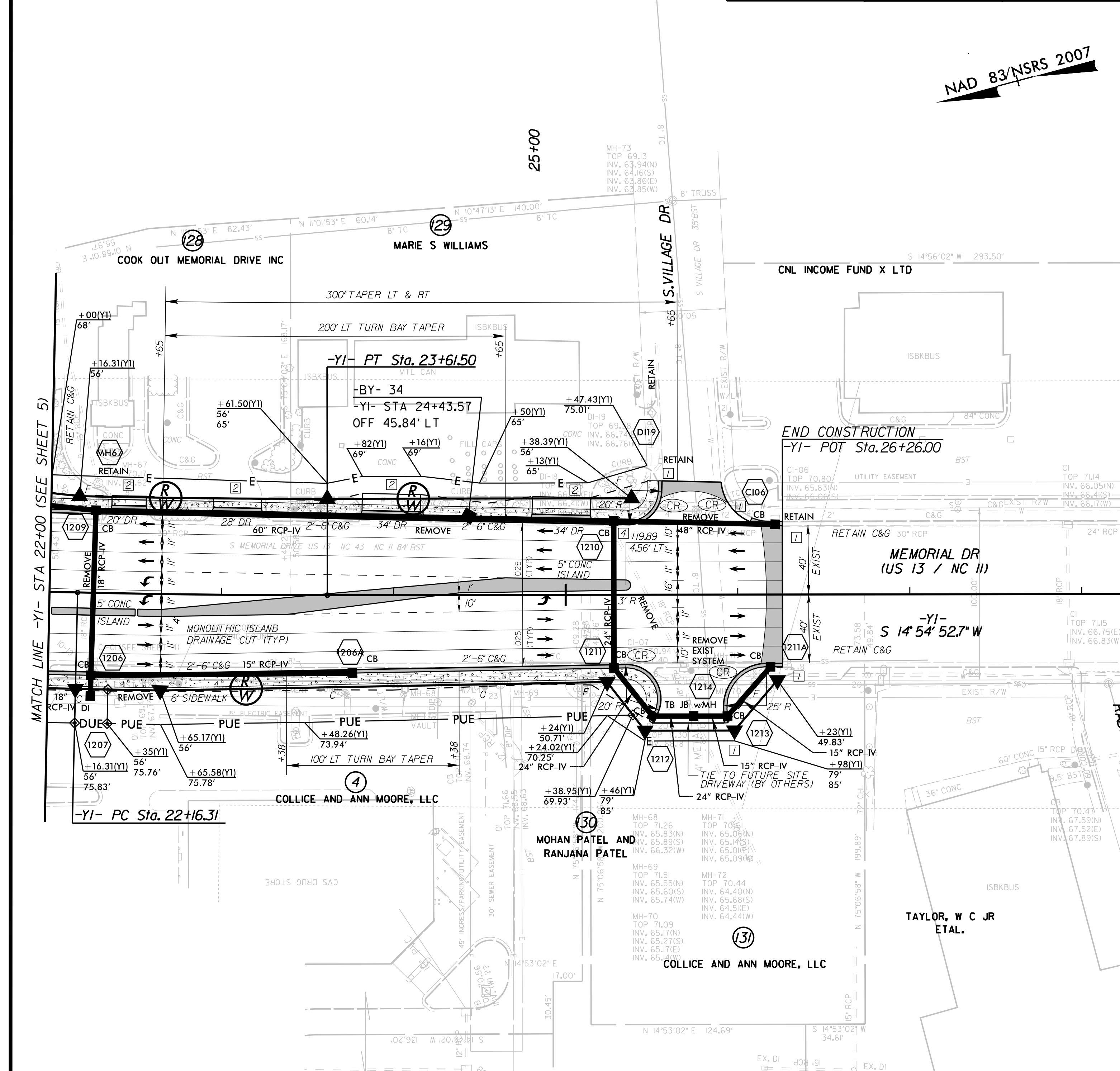
CONST. REV.

PRELIMINARY PLANS
DO NOT USE FOR CONSTRUCTION

REVISIONS



SEE SHEET NO. 19 FOR -Y1- PROFILE



-Y1-
PI Sta 22+88.91
Δ = 1° 23' 11.4" (LT)
D = 0° 57' 17.7"
L = 145.19'
T = 72.60'
R = 6,000.00'
DS > 50 MPH
SE = 0.025
RO = NONE

SEE SHEET NO. 19 FOR -Y1- PROFILE

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5/30/2012

NOTES:
1. TIE TO EXIST CURB AND GUTTER AT EXIST CONCRETE JOINT
   TRANSITION 2'-6" C&G TO MATCH EXIST GUTTER WIDTH AS NECESSARY
   SAWCUT AND REMOVE OR MILL EXISTING ASPHALT PAVEMENT OR CONCRETE PAVEMENT TO TIE-IN DRIVEWAY
3. TIE TO EXISTING CONCRETE SIDEWALK
4. REMOVE EXISTING STORM DRAINAGE STRUCTURE

Kimley-Horn and Associates, Inc.
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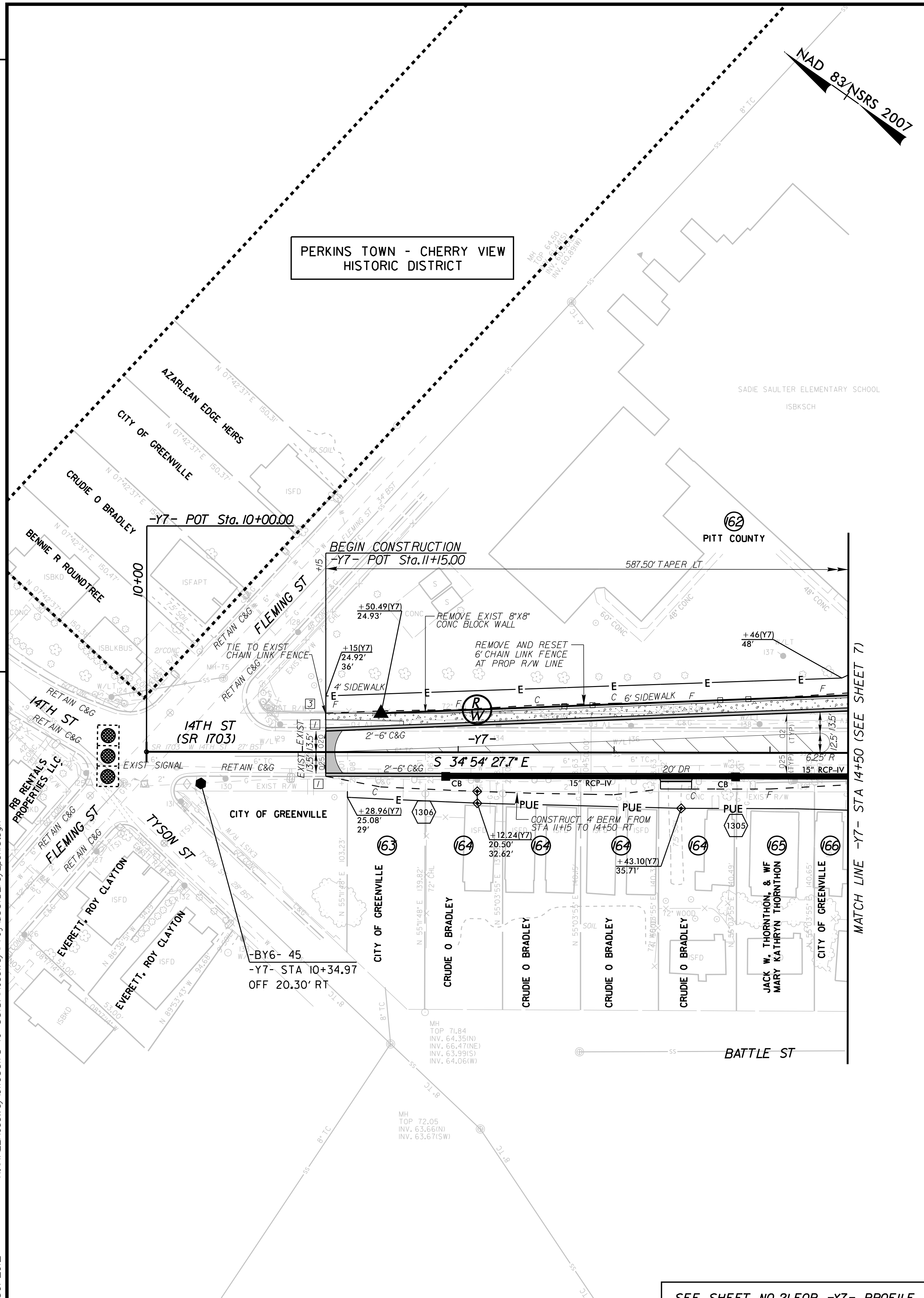
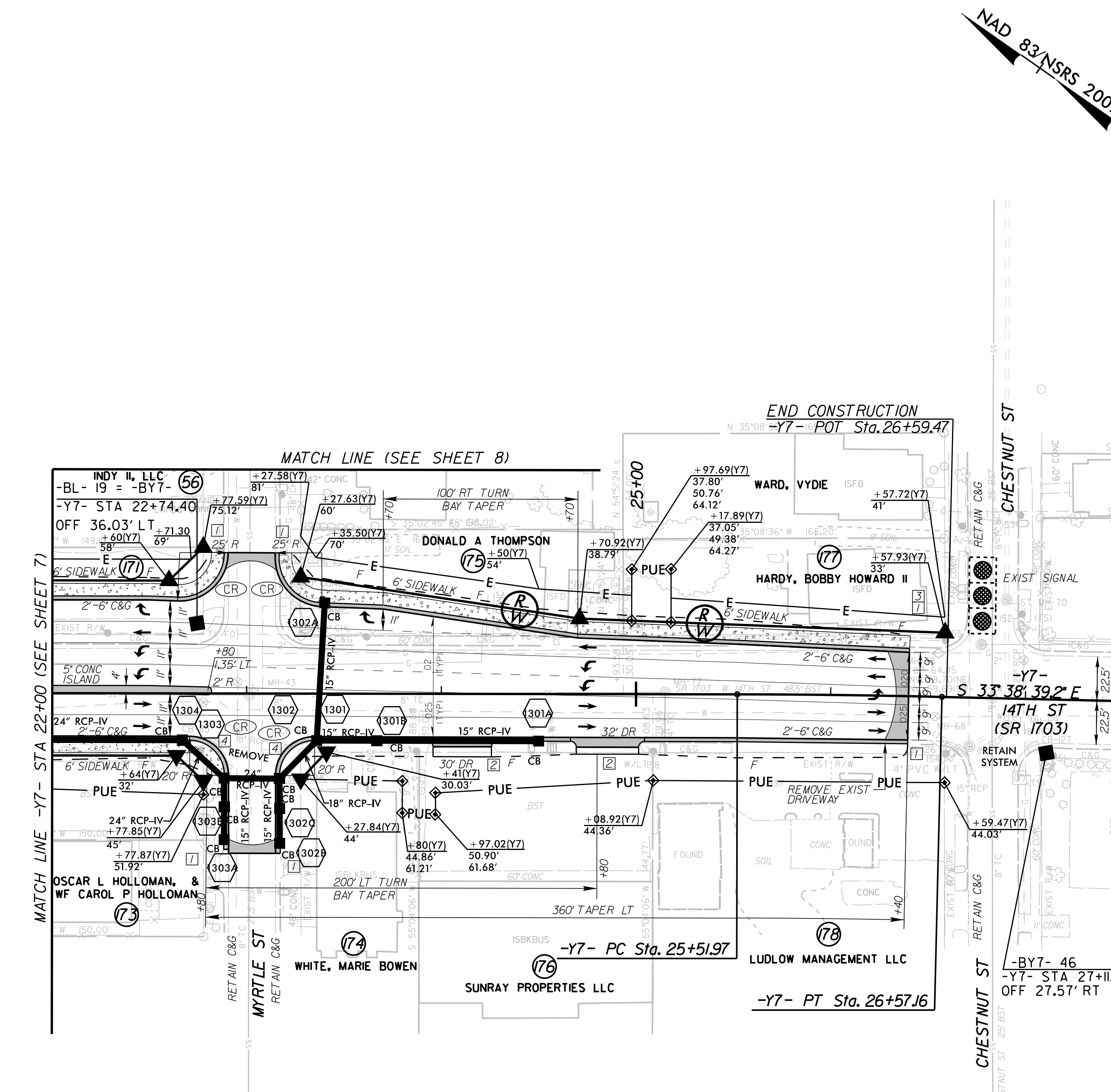
RIGHT-OF-WAY REV.
CONST. REV.

PROJECT REFERENCE NO.	SHEET NO.
U-3315	13
R/W SHEET NO.	
ROADWAY ENGINEER	HYDRAULICS ENGINEER

PRELIMINARY PLANS
DO NOT USE FOR CONSTRUCTION

REVISIONS





-Y7-
PI Sta 26+04.57
Δ = 1°15' 48.5" (RT)
D = 1°12' 04.2"
L = 105.19'
T = 52.60'
R = 4,770.00'
DS > 60 MPH
SE = NC
RO = NONE

SEE SHEET NO. 21 FOR -Y7- PROFILE

SEE SHEET NOS. 21 & 22 FOR -Y7- PROFILE

REVISIONS

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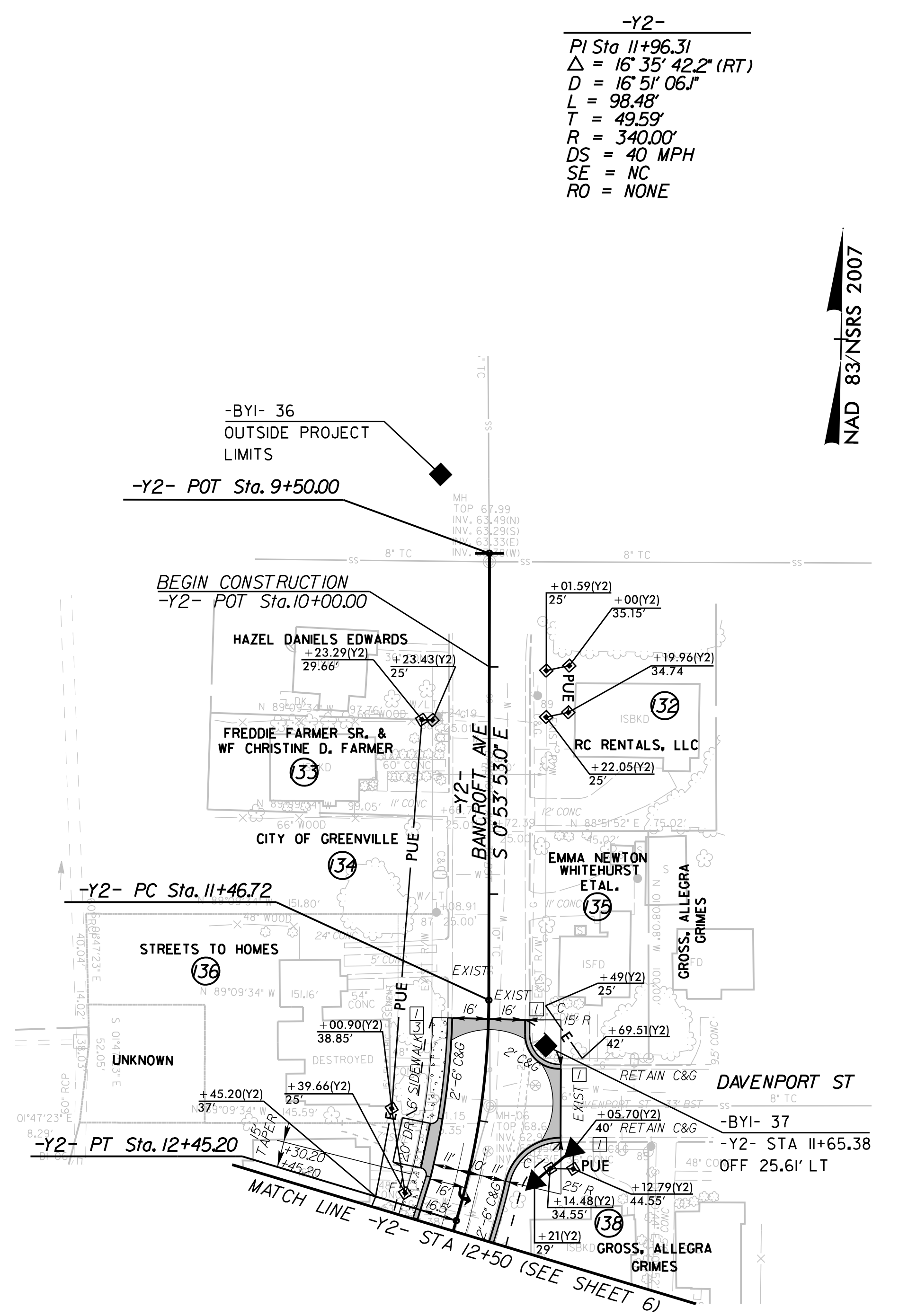

SEE SHEET NO. 20 FOR -Y2- PROFILE

NOTES:
1 TIE TO EXIST CURB AND GUTTER AT EXIST CONCRETE JOINT TRANSITION 2'-6" C&G TO MATCH EXIST GUTTER WIDTH AS NECESSARY
2 SAWCUT AND REMOVE OR MILL EXISTING ASPHALT PAVEMENT OR CONCRETE PAVEMENT TO TIE-IN DRIVEWAY
3 TIE TO EXISTING CONCRETE SIDEWALK
4 REMOVE EXISTING STORM DRAINAGE STRUCTURE

Kimley-Horn and Associates, Inc.
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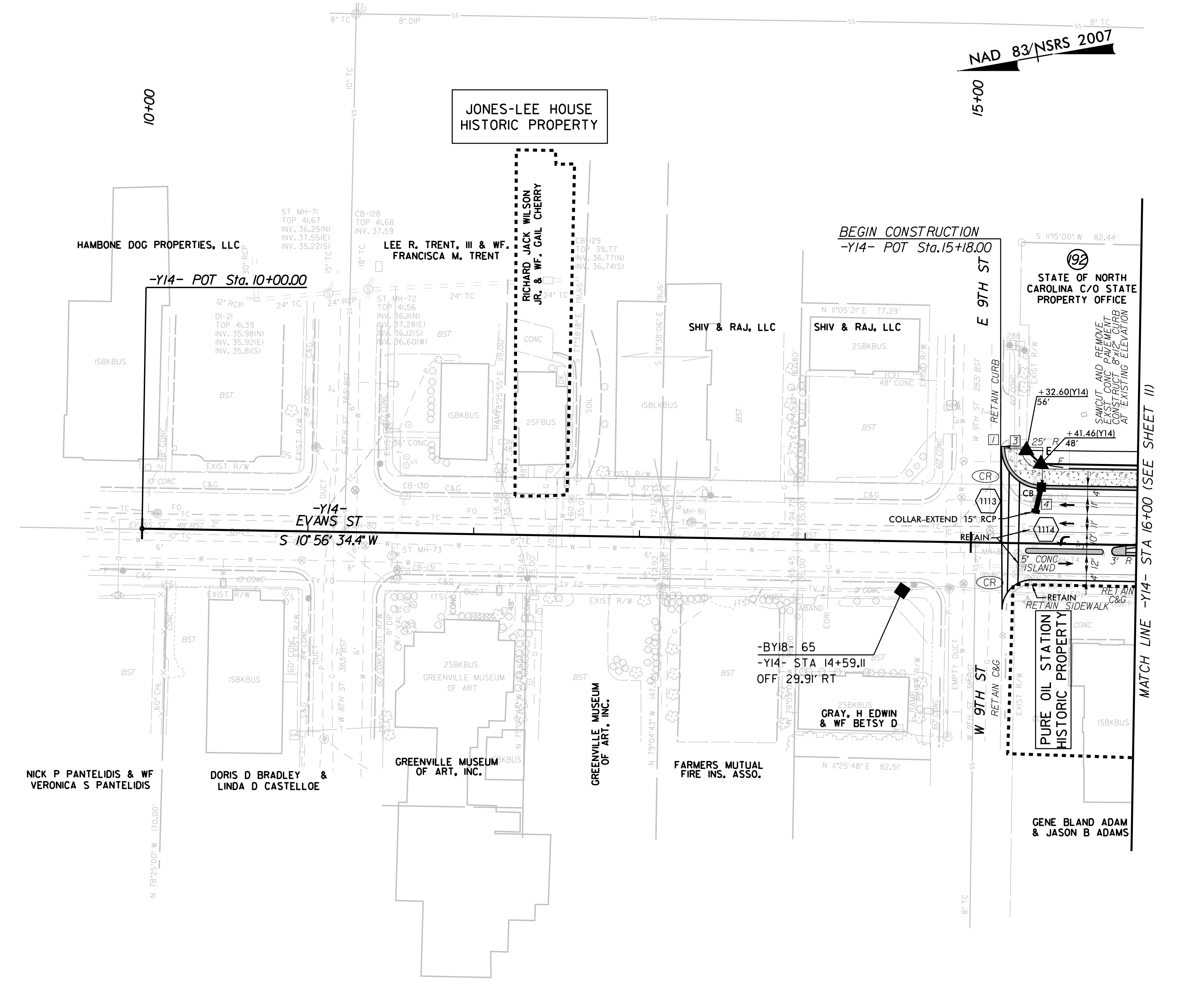
RALEIGH, N.C. 27636-3068

RIGHT-OF-WAY REV.
CONST. REV.

PROJECT REFERENCE NO.	SHEET NO.
U-3315	14
R/W SHEET NO.	
ROADWAY ENGINEER	HYDRAULICS ENGINEER

PRELIMINARY PLANS
DO NOT USE FOR CONSTRUCTION



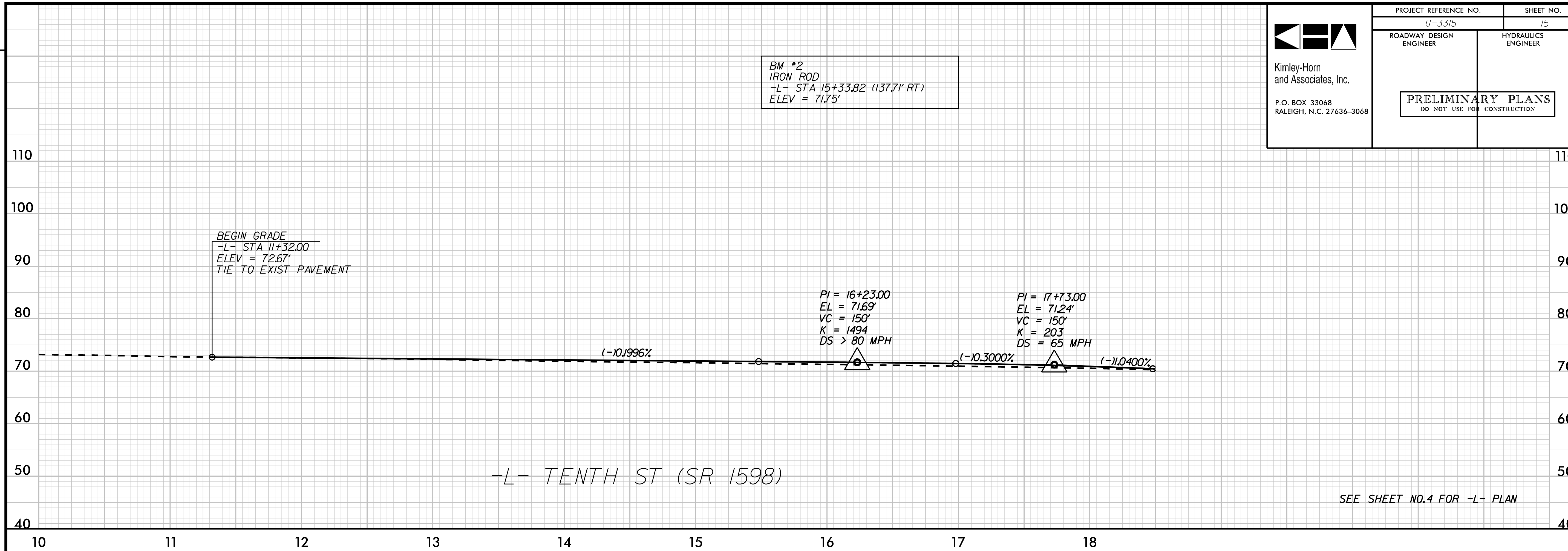
SEE SHEET NO. 23 FOR -Y14- PROFILE

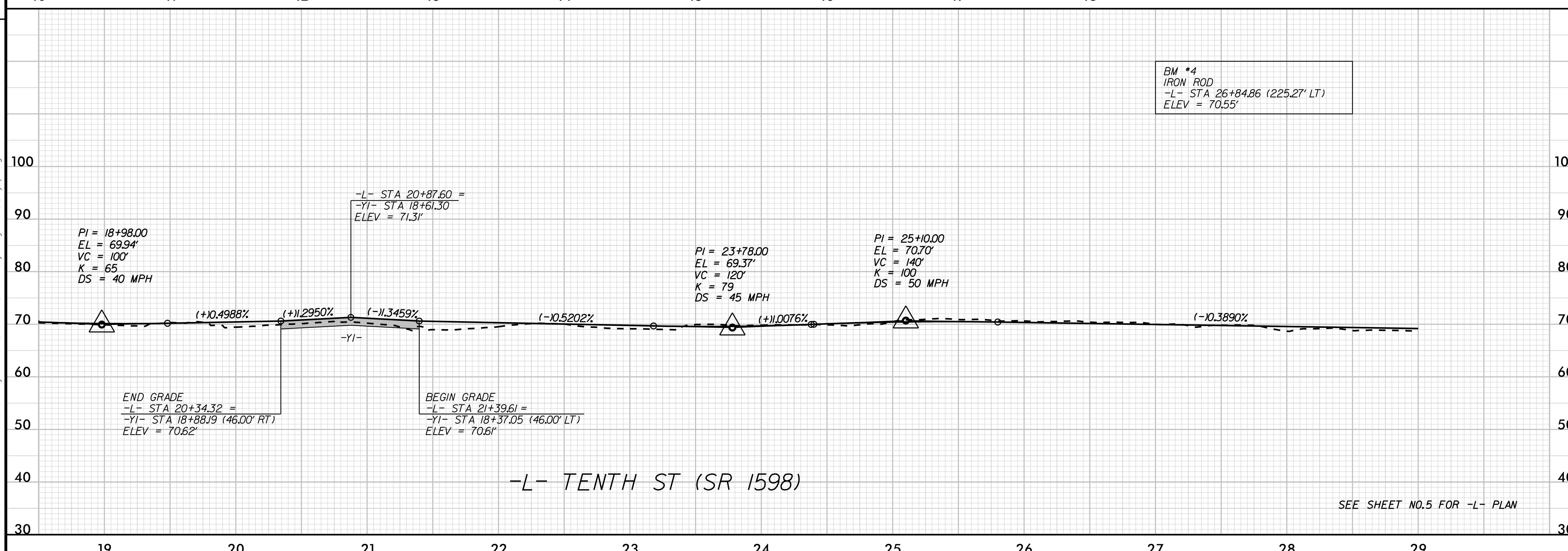
Kimley-Horn and Associates, Inc.
P.O. BOX 33068
RALEIGH, N.C. 27636-3068

PROJECT REFERENCE NO.	SHEET NO.
U-3315	15
ROADWAY DESIGN ENGINEER	HYDRAULICS ENGINEER

PRELIMINARY PLANS
DO NOT USE FOR CONSTRUCTION

REVISIONS





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5/30/2012

PROJECT REFERENCE NO.	SHEET NO.
U-3315	16

Kimley-Horn
and Associates, Inc.

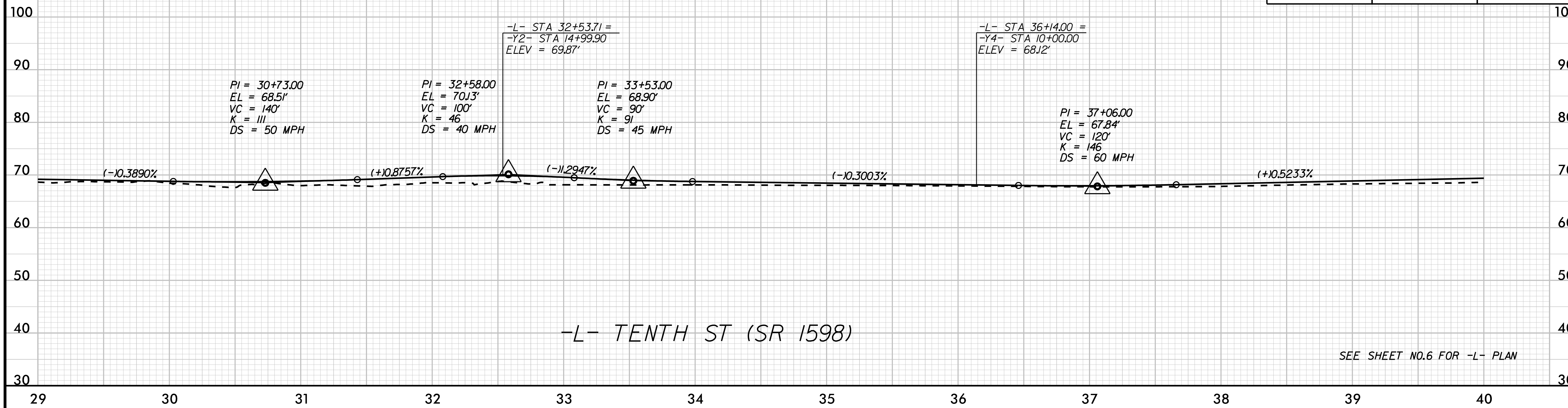
P.O. BOX 33068
RALEIGH, N.C. 27636-3068

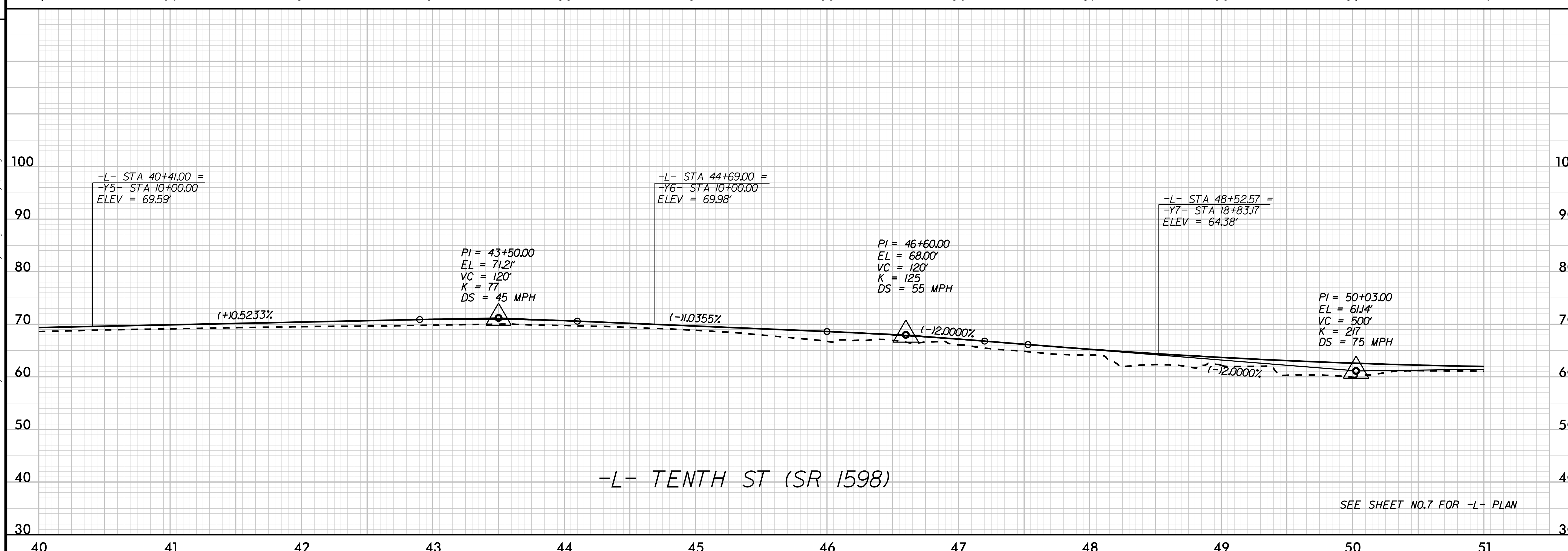
ROADWAY DESIGN ENGINEER

HYDRAULICS ENGINEER

PRELIMINARY PLANS
DO NOT USE FOR CONSTRUCTION

REVISIONS





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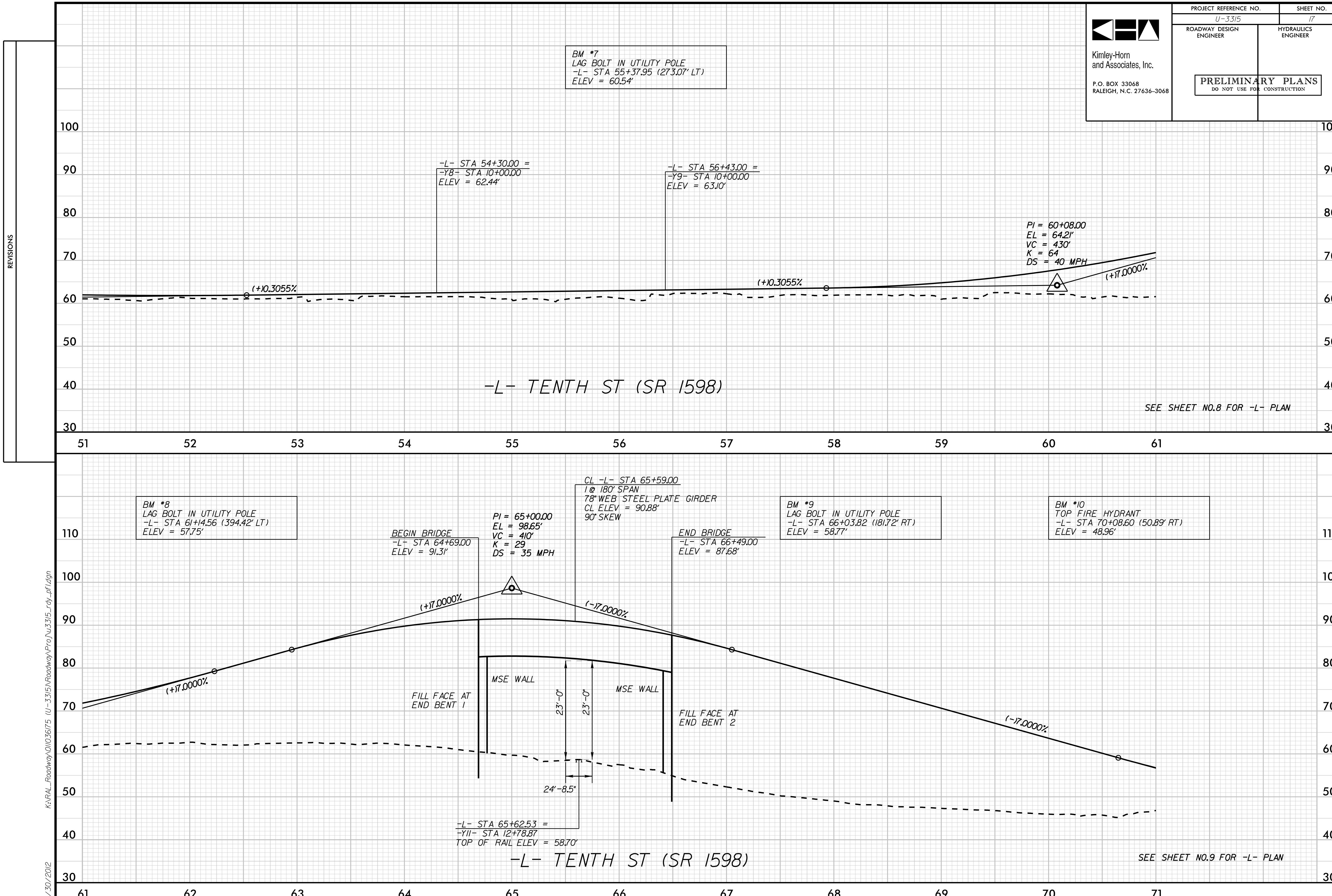

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5/30/2012

PROJECT REFERENCE NO.	SHEET NO.
U-3315	18

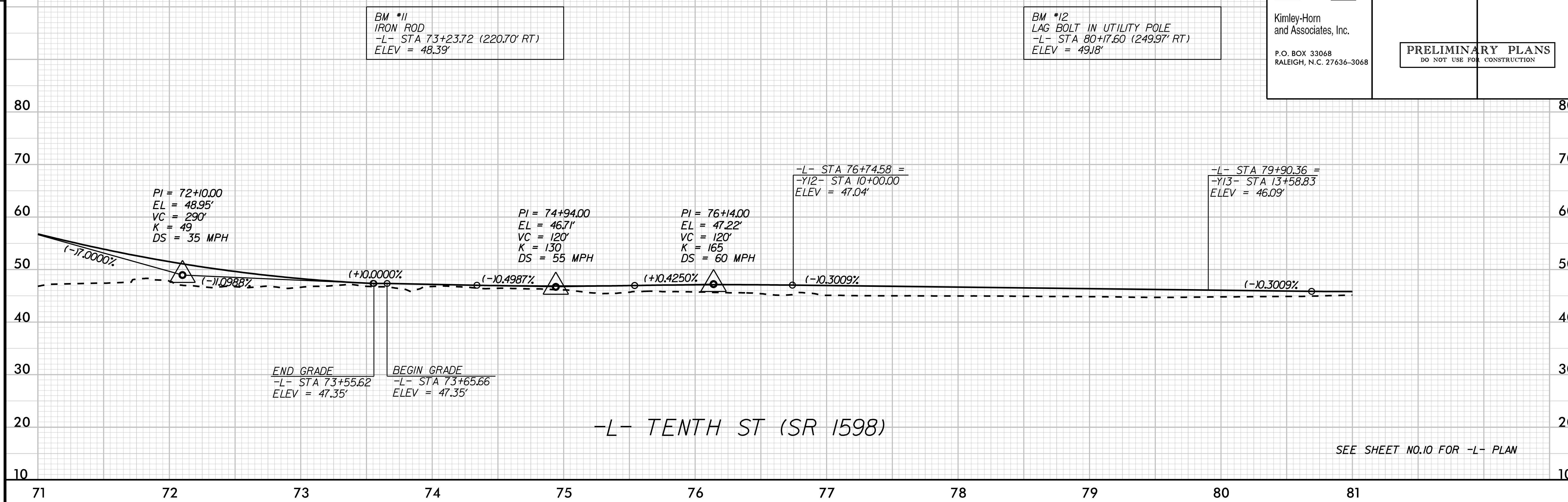
Kimley-Horn and Associates, Inc.
P.O. BOX 33068
RALEIGH, N.C. 27636-3068

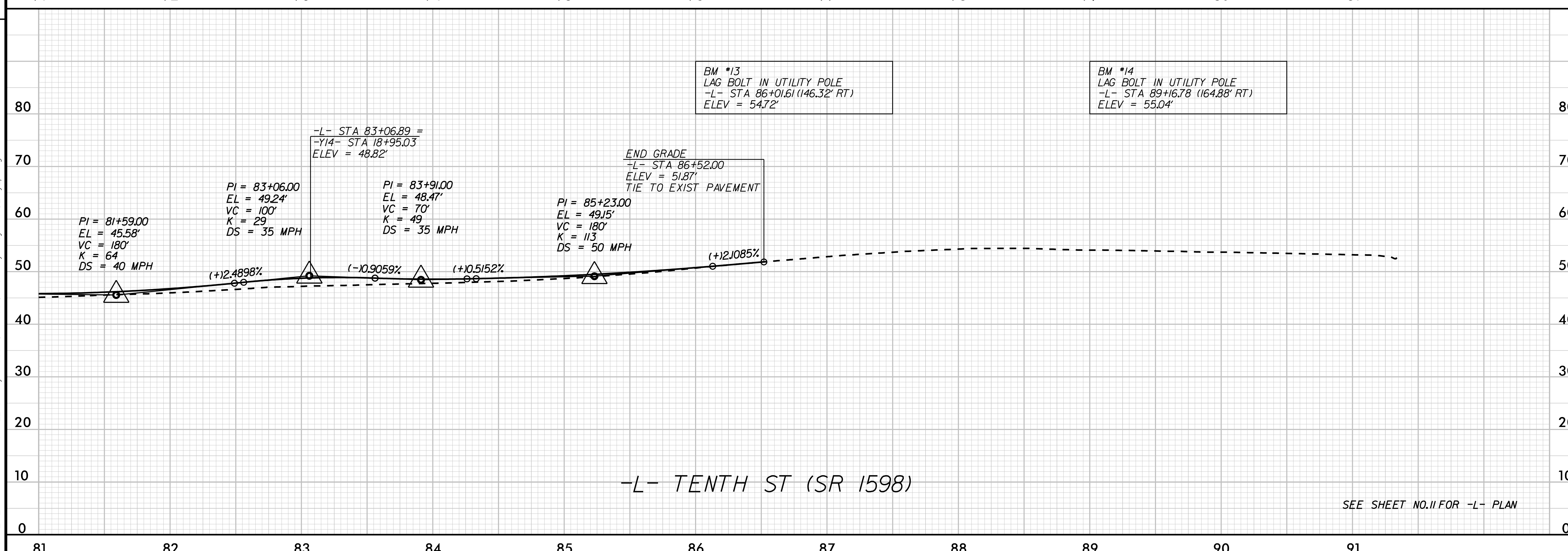
ROADWAY DESIGN ENGINEER

HYDRAULICS ENGINEER

PRELIMINARY PLANS
DO NOT USE FOR CONSTRUCTION

REVISIONS





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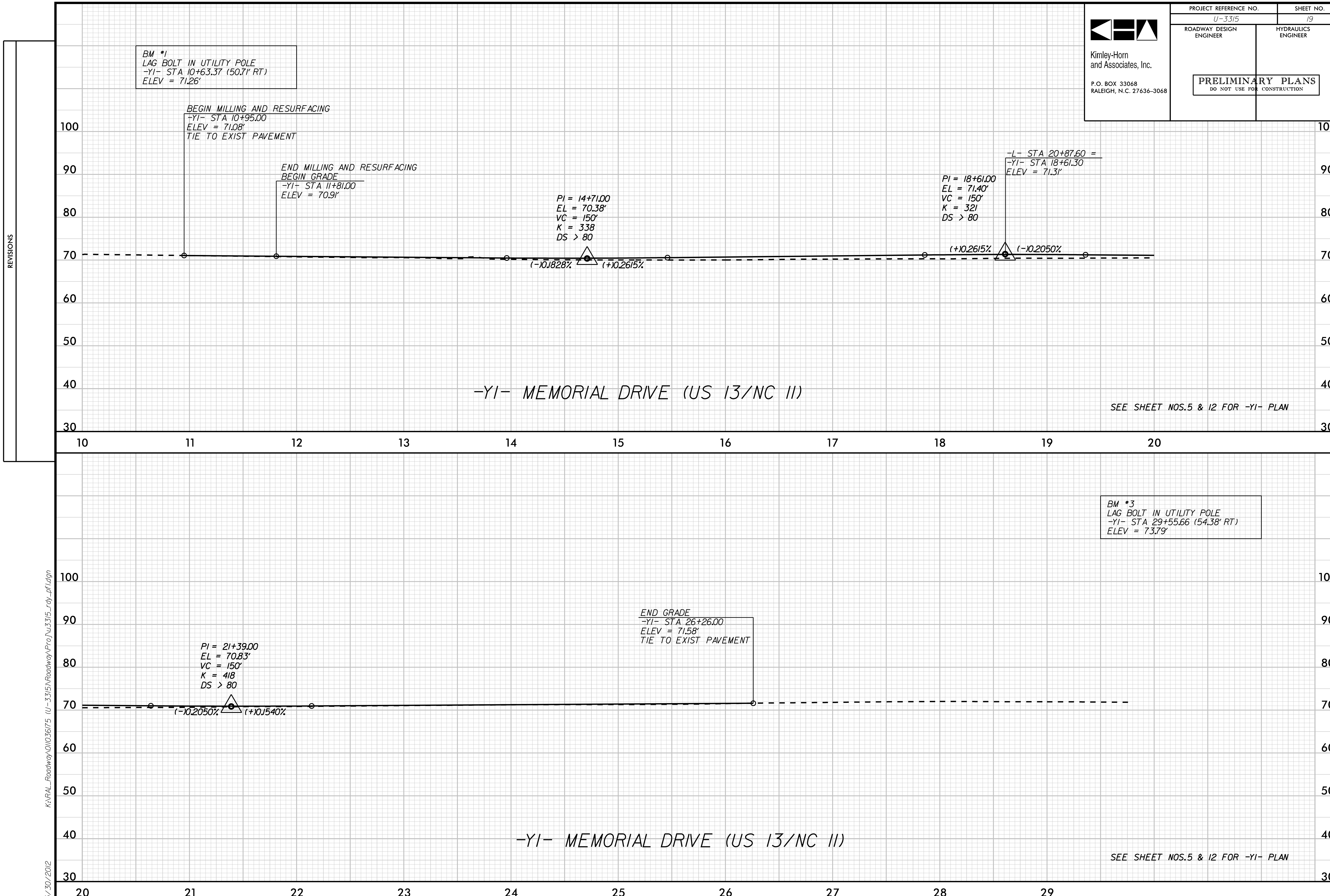
PROJECT REFERENCE NO.
SHEET NO.
U-3315
19
Kimley-Horn and Associates, Inc.
P.O. BOX 33068
RALEIGH, N.C. 27636-3068
ROADWAY DESIGN ENGINEER
HYDRAULICS ENGINEER
PRELIMINARY PLANS
DO NOT USE FOR CONSTRUCTION
REVISIONS
BM #1
LAG BOLT IN UTILITY POLE
-Y1- STA 10+63.37 (50.71' RT)
ELEV = 71.26'
BEGIN MILLING AND RESURFACING
-Y1- STA 10+95.00
ELEV = 71.08'
TIE TO EXIST PAVEMENT
END MILLING AND RESURFACING
BEGIN GRADE
-Y1- STA 11+81.00
ELEV = 70.91'
PI = 14+71.00
EL = 70.38'
VC = 150'
K = 338
DS > 80
(-)0.1828%
(+)0.2615%
PI = 18+61.00
EL = 71.40'
VC = 150'
K = 321
DS > 80
-L- STA 20+87.60 =
-Y1- STA 18+61.30
ELEV = 71.31'
(+)0.2615%
(-)0.2050%
-Y1- MEMORIAL DRIVE (US 13/NC 11)
SEE SHEET NOS.5 & 12 FOR -Y1- PLAN
100
90
80
70
60
50
40
30
10
11
12
13
14
15
16
17
18
19
20
BM #3
LAG BOLT IN UTILITY POLE
-Y1- STA 29+55.66 (54.38' RT)
ELEV = 73.79'
END GRADE
-Y1- STA 26+26.00
ELEV = 71.58'
TIE TO EXIST PAVEMENT
PI = 21+39.00
EL = 70.83'
VC = 150'
K = 418
DS > 80
(-)0.2050%
(+)0.1540%
-Y1- MEMORIAL DRIVE (US 13/NC 11)
SEE SHEET NOS.5 & 12 FOR -Y1- PLAN
100
90
80
70
60
50
40
30
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21
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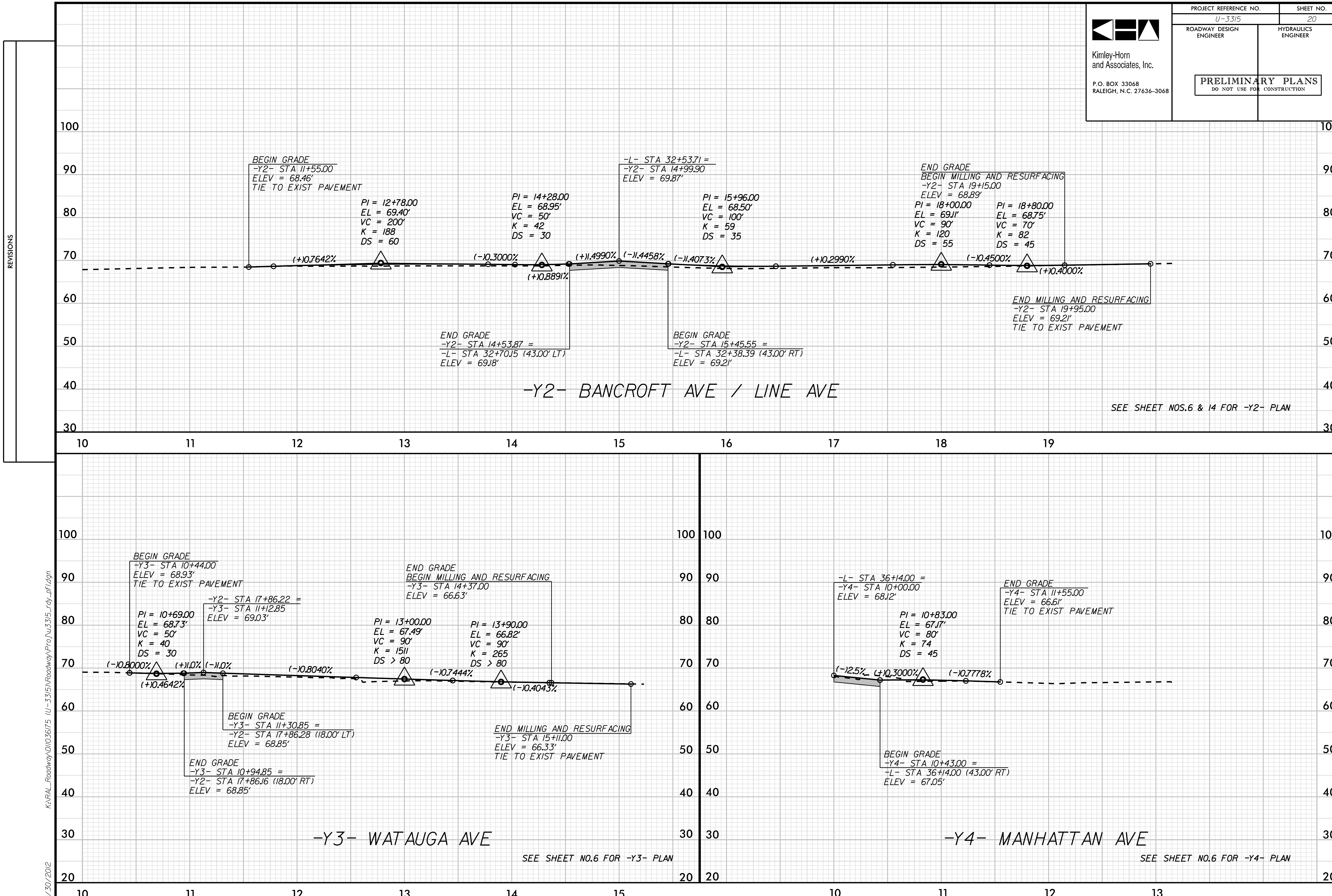
5/30/2012



PROJECT REFERENCE NO.
U-3315
SHEET NO.
20
ROADWAY DESIGN ENGINEER
HYDRAULICS ENGINEER
Kimley-Horn and Associates, Inc.
P.O. BOX 33068
RALEIGH, N.C. 27636-3068
PRELIMINARY PLANS
DO NOT USE FOR CONSTRUCTION
REVISIONS
BEGIN GRADE
-Y2- STA 11+55.00
ELEV = 68.46'
TIE TO EXIST PAVEMENT
PI = 12+78.00
EL = 69.40'
VC = 200'
K = 188
DS = 60
PI = 14+28.00
EL = 68.95'
VC = 50'
K = 42
DS = 30
-L- STA 32+53.71 =
-Y2- STA 14+99.90
ELEV = 69.87'
PI = 15+96.00
EL = 68.50'
VC = 100'
K = 59
DS = 35
END GRADE
BEGIN MILLING AND RESURFACING
-Y2- STA 19+15.00
ELEV = 68.89'
PI = 18+00.00
EL = 69.11'
VC = 90'
K = 120
DS = 55
PI = 18+80.00
EL = 68.75'
VC = 70'
K = 82
DS = 45
(+)0.7642%
(-)0.3000%
(+)0.8891%
(+)1.4990%
(-)1.4458%
(-)1.4073%
(+)0.2990%
(-)0.4500%
(+)0.4000%
END MILLING AND RESURFACING
-Y2- STA 19+95.00
ELEV = 69.21'
TIE TO EXIST PAVEMENT
END GRADE
-Y2- STA 14+53.87 =
-L- STA 32+70.15 (43.00' LT)
ELEV = 69.18'
BEGIN GRADE
-Y2- STA 15+45.55 =
-L- STA 32+38.39 (43.00' RT)
ELEV = 69.21'
-Y2- BANCROFT AVE / LINE AVE
SEE SHEET NOS.6 & 14 FOR -Y2- PLAN
BEGIN GRADE
-Y3- STA 10+44.00
ELEV = 68.93'
TIE TO EXIST PAVEMENT
-Y2- STA 17+86.22 =
-Y3- STA 11+12.85
ELEV = 69.03'
PI = 10+69.00
EL = 68.73'
VC = 50'
K = 40
DS = 30
END GRADE
BEGIN MILLING AND RESURFACING
-Y3- STA 14+37.00
ELEV = 66.63'
PI = 13+00.00
EL = 67.49'
VC = 90'
K = 1511
DS > 80
PI = 13+90.00
EL = 66.82'
VC = 90'
K = 265
DS > 80
(-)0.8000%
(+)1.0%
(-)1.0%
(+)0.4642%
(-)0.8040%
(-)0.7444%
(-)0.4043%
BEGIN GRADE
-Y3- STA 11+30.85 =
-Y2- STA 17+86.28 (18.00' LT)
ELEV = 68.85'
END MILLING AND RESURFACING
-Y3- STA 15+11.00
ELEV = 66.33'
TIE TO EXIST PAVEMENT
END GRADE
-Y3- STA 10+94.85 =
-Y2- STA 17+86.16 (18.00' RT)
ELEV = 68.85'
-Y3- WATAUGA AVE
SEE SHEET NO.6 FOR -Y3- PLAN
-L- STA 36+14.00 =
-Y4- STA 10+00.00
ELEV = 68.12'
PI = 10+83.00
EL = 67.17'
VC = 80'
K = 74
DS = 45
END GRADE
-Y4- STA 11+55.00
ELEV = 66.61'
TIE TO EXIST PAVEMENT
(-)12.5%
(+)0.3000%
(-)0.7778%
BEGIN GRADE
-Y4- STA 10+43.00 =
-L- STA 36+14.00 (43.00' RT)
ELEV = 67.05'
-Y4- MANHATTAN AVE
SEE SHEET NO.6 FOR -Y4- PLAN
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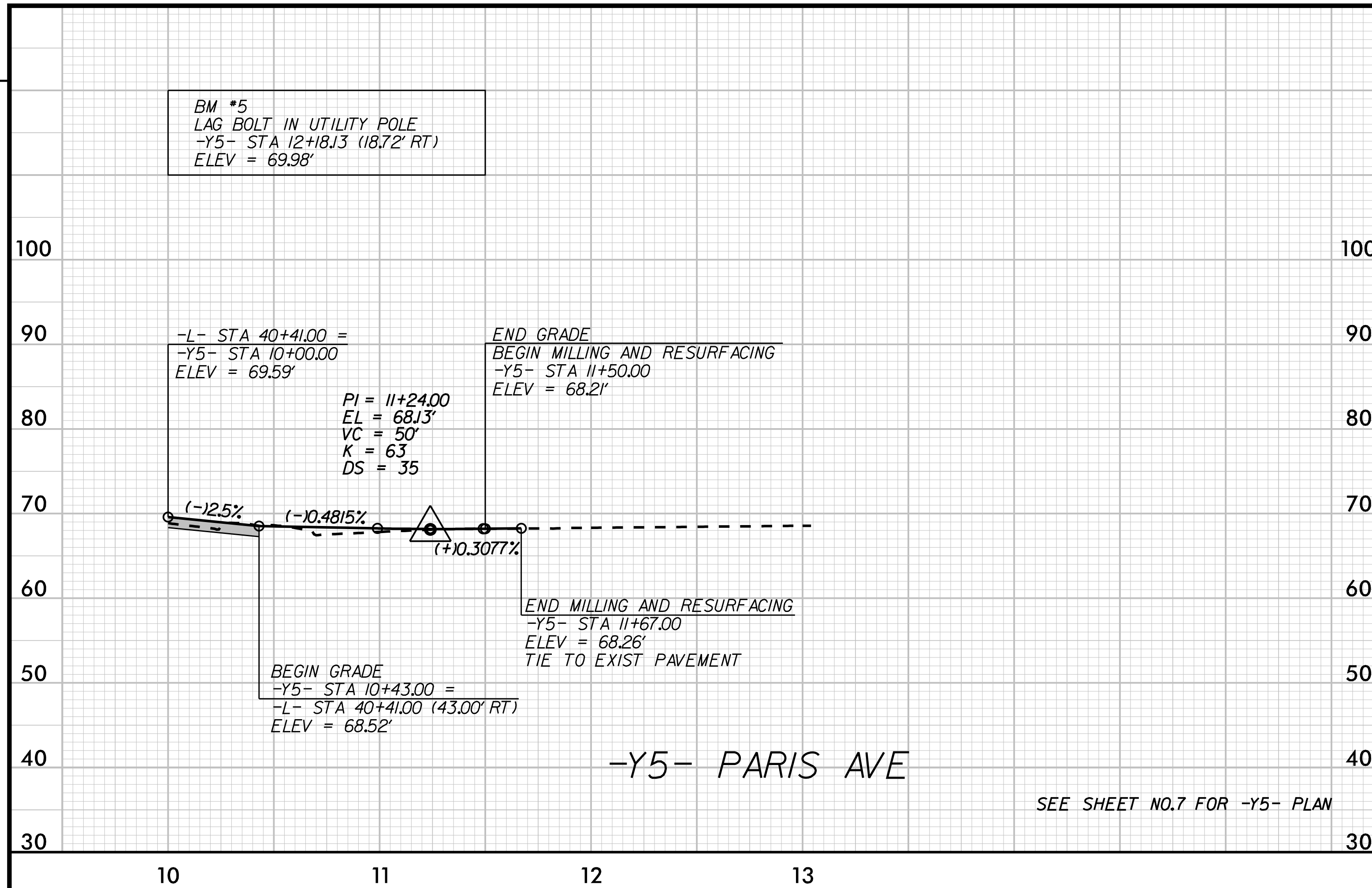
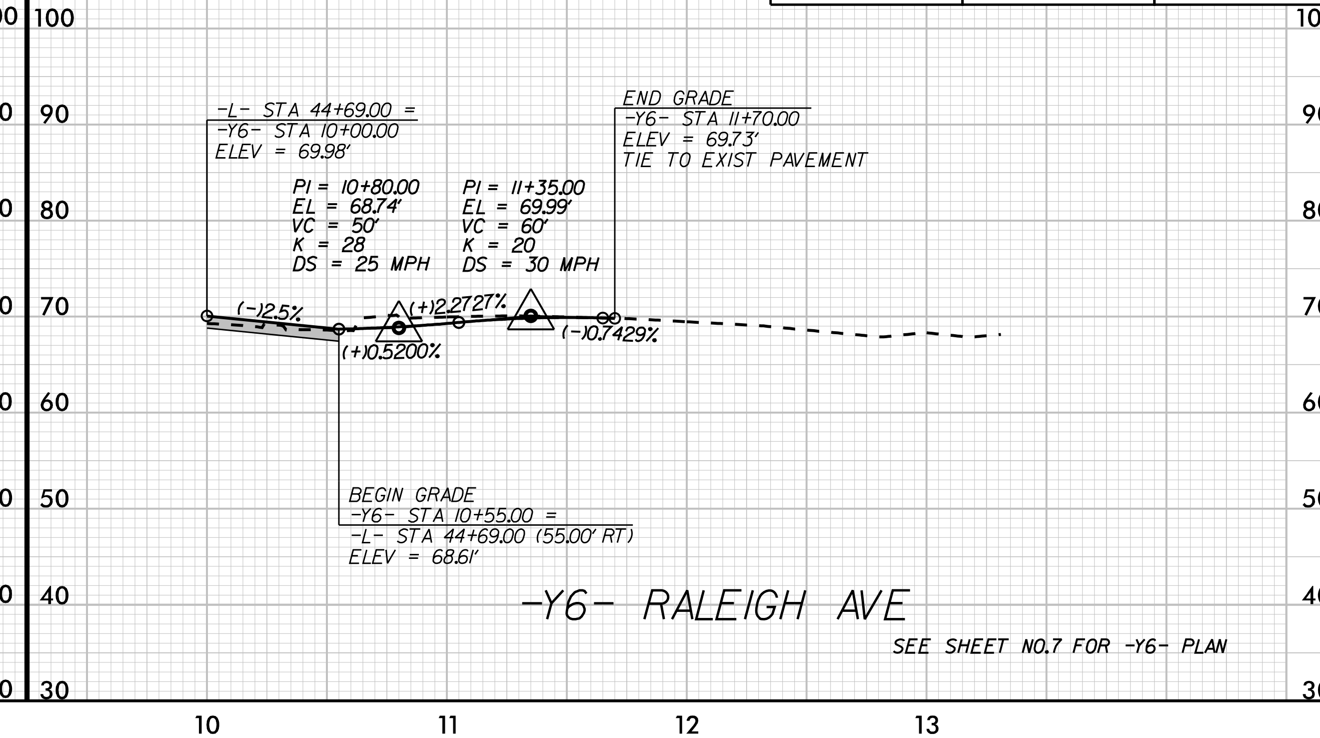
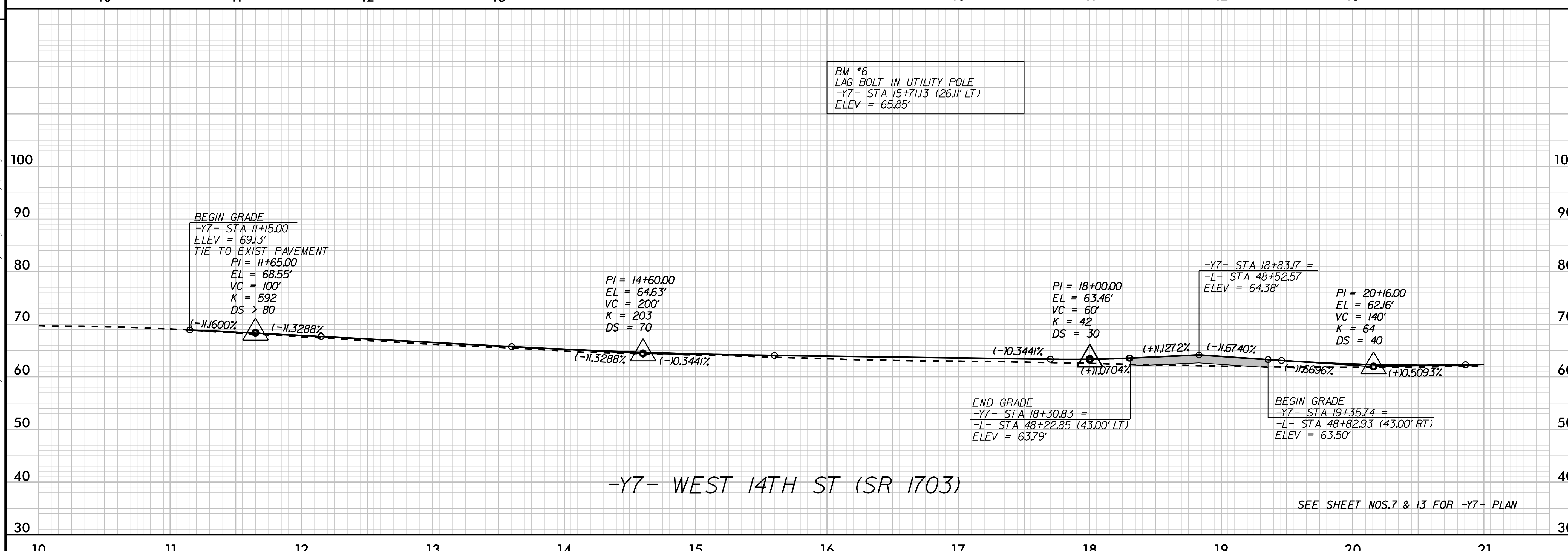
PROJECT REFERENCE NO.	SHEET NO.
U-3315	21
ROADWAY DESIGN ENGINEER	HYDRAULICS ENGINEER

PRELIMINARY PLANS
DO NOT USE FOR CONSTRUCTION

REVISIONS







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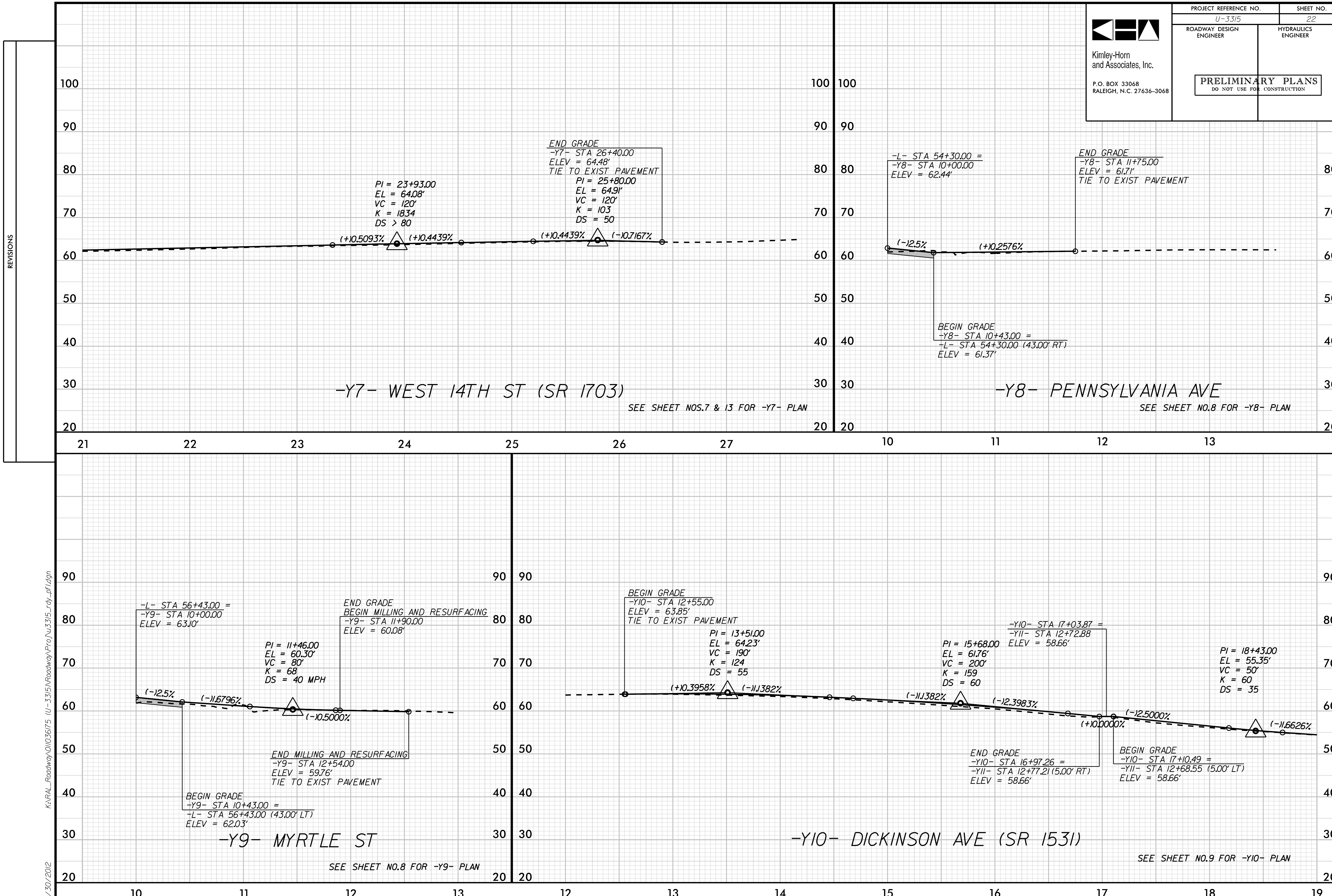
PROJECT REFERENCE NO.
SHEET NO.
U-3315
22
ROADWAY DESIGN ENGINEER
HYDRAULICS ENGINEER
Kimley-Horn and Associates, Inc.
P.O. BOX 33068
RALEIGH, N.C. 27636-3068
PRELIMINARY PLANS
DO NOT USE FOR CONSTRUCTION
REVISIONS
END GRADE
-Y7- STA 26+40.00
ELEV = 64.48'
TIE TO EXIST PAVEMENT
PI = 23+93.00
EL = 64.08'
VC = 120'
K = 1834
DS > 80
PI = 25+80.00
EL = 64.91'
VC = 120'
K = 103
DS = 50
(+)0.5093%
(+)0.4439%
(+)0.4439%
(-)0.7167%
-Y7- WEST 14TH ST (SR 1703)
SEE SHEET NOS.7 & 13 FOR -Y7- PLAN
-L- STA 54+30.00 =
-Y8- STA 10+00.00
ELEV = 62.44'
END GRADE
-Y8- STA 11+75.00
ELEV = 61.71'
TIE TO EXIST PAVEMENT
(-)2.5%
(+)0.2576%
BEGIN GRADE
-Y8- STA 10+43.00 =
-L- STA 54+30.00 (43.00' RT)
ELEV = 61.37'
-Y8- PENNSYLVANIA AVE
SEE SHEET NO.8 FOR -Y8- PLAN
-L- STA 56+43.00 =
-Y9- STA 10+00.00
ELEV = 63.10'
END GRADE
BEGIN MILLING AND RESURFACING
-Y9- STA 11+90.00
ELEV = 60.08'
PI = 11+46.00
EL = 60.30'
VC = 80'
K = 68
DS = 40 MPH
(-)2.5%
(-)1.6796%
(-)0.5000%
END MILLING AND RESURFACING
-Y9- STA 12+54.00
ELEV = 59.76'
TIE TO EXIST PAVEMENT
BEGIN GRADE
-Y9- STA 10+43.00 =
-L- STA 56+43.00 (43.00' LT)
ELEV = 62.03'
-Y9- MYRTLE ST
SEE SHEET NO.8 FOR -Y9- PLAN
BEGIN GRADE
-Y10- STA 12+55.00
ELEV = 63.85'
TIE TO EXIST PAVEMENT
PI = 13+51.00
EL = 64.23'
VC = 190'
K = 124
DS = 55
(+)0.3958%
(-)1.1382%
PI = 15+68.00
EL = 61.76'
VC = 200'
K = 159
DS = 60
(-)1.1382%
(-)2.3983%
-Y10- STA 17+03.87 =
-Y11- STA 12+72.88
ELEV = 58.66'
(+)0.0000%
(-)2.5000%
PI = 18+43.00
EL = 55.35'
VC = 50'
K = 60
DS = 35
(-)1.6626%
END GRADE
-Y10- STA 16+97.26 =
-Y11- STA 12+77.21 (5.00' RT)
ELEV = 58.66'
BEGIN GRADE
-Y10- STA 17+10.49 =
-Y11- STA 12+68.55 (5.00' LT)
ELEV = 58.66'
-Y10- DICKINSON AVE (SR 1531)
SEE SHEET NO.9 FOR -Y10- PLAN
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PROJECT REFERENCE NO. U-3315 | SHEET NO. 23

ROADWAY DESIGN ENGINEER | HYDRAULICS ENGINEER

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PRELIMINARY PLANS
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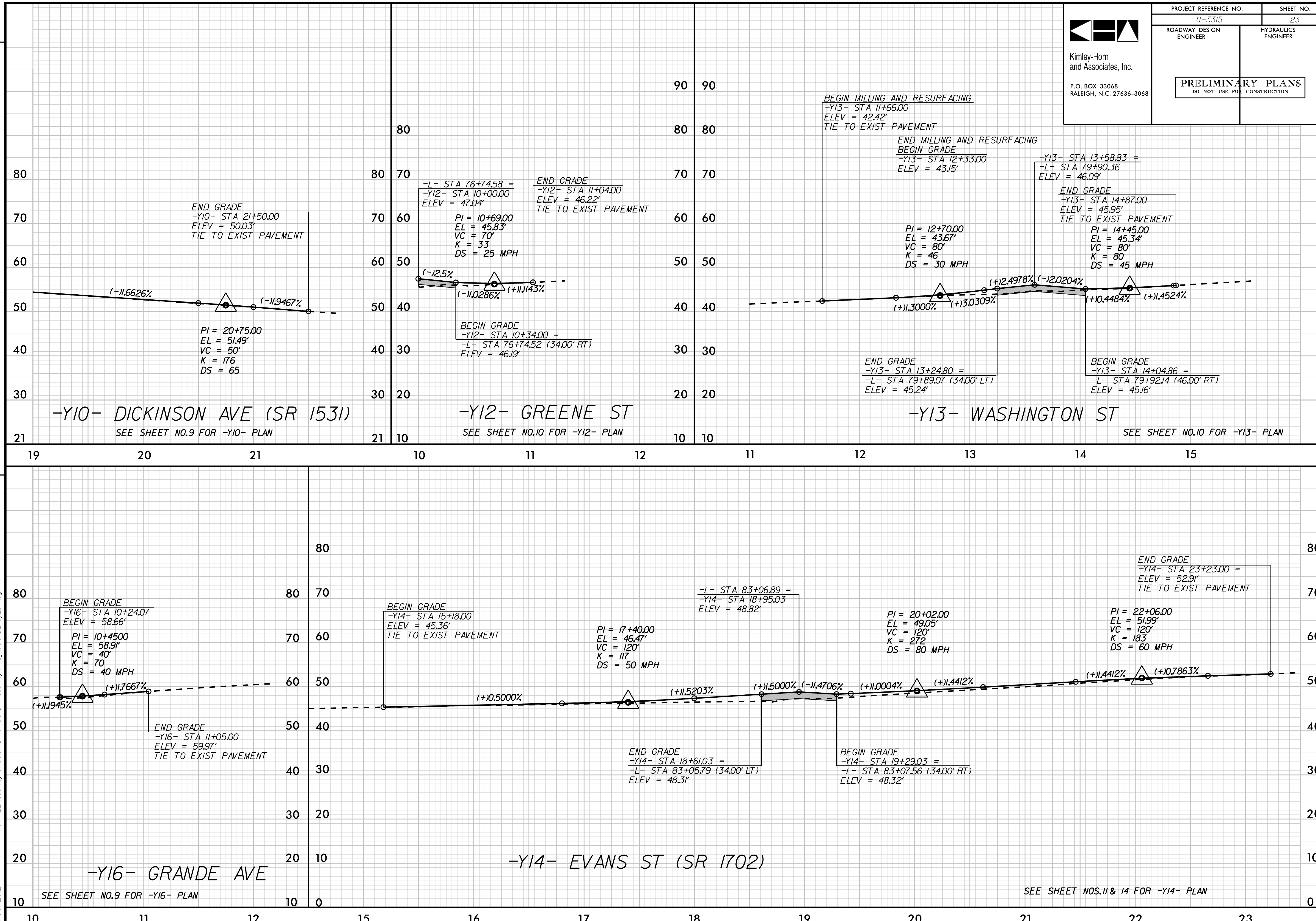
REVISIONS



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