



STATE OF NORTH CAROLINA
DEPARTMENT OF TRANSPORTATION

MICHAEL F. EASLEY
GOVERNOR

LYNDO TIPPETT
SECRETARY

March 22, 2005

United States Army Corps of Engineers
Regulatory Field Office
Post Office Box 1000
Washington, NC 27899-1000

ATTN: Mr. Bill Biddlecome
NCDOT Coordinator-Division One

SUBJECT: **Nationwide 6 Permit Application:**
US 17 From South of SR 1149 (Price Road) to US 17 South of SR 1536
(Hamilton Beach Road), Beaufort, North Carolina; TIP Project R-2510B;
Federal Aid Project No. MAF-75-3(26);

Dear Mr. Biddlecome,

The North Carolina Department of Transportation (NCDOT) is planning to build a bridge on new location within the project limits of the proposed Washington Bypass in Beaufort County, North Carolina. The proposed bridge will cross the Tar River north of the town of Washington on NC 17. A completed pre-construction notification form and appropriate permit drawings are attached for your review.

Due to the fact that Tar River supports anadromous fish, notification to the appropriate agencies through a Nationwide 6 Permit is required.

In order to build the new bridge over the Tar River, geotechnical test borings will need to be done so that structure and foundation recommendations can be made. A total of up to 500 soil borings or Cone Penetrometer probes will be performed. Of these, approximately 350 will fall within the footprint of the proposed structure over the Tar River and associated wetlands. The majority of these 350 borings and probes for the structure will be performed in the wetlands with no more than 50 planned in the Tar River.

Boring activities and probes in the river will be performed from a variety of barges and or boats. The borings and probes will consist of turning or driving 3-inch to 6-inch diameter steel casing into the sound bottom creating minimal disturbance. Other drilling tools will be inserted into the steel casing to sample the sediments and advance the hole. When the boring is completed, the steel casing will be removed from the river bottom.

MAILING ADDRESS:
NC DEPARTMENT OF TRANSPORTATION
PROJECT DEVELOPMENT AND ENVIRONMENTAL ANALYSIS
1548 MAIL SERVICE CENTER
RALEIGH NC 27699-1548

TELEPHONE: 919-733-3141
FAX: 919-733-9794

WEBSITE: www.ncdot.org

LOCATION:
TRANSPORTATION BUILDING
1 SOUTH WILMINGTON STREET
RALEIGH NC

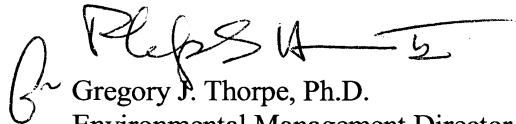
The borings on land will be performed with rubber tired drill rigs or low ground pressure tracked drill rigs depending on the boring location. The land borings will be 3-inch to 8-inch in diameter. All disturbances from the borings should be limited to within a 2-foot radius of the boring location. The geotechnical work will occur in the study corridor depicted on the attached mapping.

Because this area is located in sensitive waters, an in-water moratorium exists between February 15 through June 15. All in-stream work will take place outside the moratorium dates.

The NCDOT anticipates that these activities will be authorized by Nationwide Permit No. 6. NCDOT will follow the conditions set by a Nationwide Permit No. 6 and by NCDWQ Water Quality Certification # 3494. In accordance with 15A NCAC 2H.0501 (a), we are providing two copies of this application to the NCDWQ for their records.

If you have any questions or would like additional information, please call Mr. Chris Underwood at (919) 715-1451. Thank you in advance for your help in this matter.

Sincerely,



Gregory J. Thorpe, Ph.D.
Environmental Management Director
Project Development and Environmental Analysis Branch

CC: W/attachment

Mr. John Hennessy, NCDWQ (7 copies)
Mr. Travis Wilson, NCWRC
Mr. Gary Jordan, USFWS
Mr. Ron Sechler, NMFS
Mr. Michael Street, NCDMF
Mr. Cathy Brittingham, NCDCM
Mr. Bill Arrington, NCDCM
Mr. David Chang, P.E., Hydraulics
Mr. Greg Perfetti, P.E., Structure Design
Mr. Mark Staley, Roadside Environmental
Mr. Njoroge W. Wainaina, State Engineering Geologist, P.E., Geotechnical Unit
Mr. C. E. Lassiter, P.E., Division Engineer
Mr. Jay Johnson, DEO

W/o attachment

Mr. David Franklin, USACE, Wilmington (Cover Letter Only)
Mr. Jay Bennett, P.E., Roadway Design
Mr. Omar Sultan, Programming and TIP
Mr. Art McMillan, P.E., Highway Design
Mr. Brian Yamamoto, P.E., PDEA

USACE Action ID No. _____ DWQ No. _____

(If any particular item is not applicable to this project, please enter "Not Applicable" or "N/A".)

I. Processing

1. Check all of the approval(s) requested for this project:

- Section 404 Permit Riparian or Watershed Buffer Rules
- Section 10 Permit Isolated Wetland Permit from DWQ
- 401 Water Quality Certification

2. Nationwide, Regional or General Permit Number(s) Requested: NW 6

3. If this notification is solely a courtesy copy because written approval for the 401 Certification is not required, check here:

4. If payment into the North Carolina Wetlands Restoration Program (NCWRP) is proposed for mitigation of impacts (verify availability with NCWRP prior to submittal of PCN), complete section VIII and check here:

5. If your project is located in any of North Carolina's twenty coastal counties (listed on page 4), and the project is within a North Carolina Division of Coastal Management Area of Environmental Concern (see the top of page 2 for further details), check here:

II. Applicant Information

1. Owner/Applicant Information

Name: NCDOT / PDEA Branch / Greg Thorpe
Mailing Address: 1548 Mail Service Center
Raleigh, NC 27699-1548

Telephone Number: (919) 733-3141 Fax Number: (919) 733-9794

E-mail Address: _____

2. Agent/Consultant Information (A signed and dated copy of the Agent Authorization letter must be attached if the Agent has signatory authority for the owner/applicant.)

Name: _____

Company Affiliation: _____

Mailing Address: _____

Telephone Number: _____ Fax Number: _____

E-mail Address: _____

III. Project Information

Attach a **vicinity map** clearly showing the location of the property with respect to local landmarks such as towns, rivers, and roads. Also provide a detailed **site plan** showing property boundaries and development plans in relation to surrounding properties. Both the vicinity map and site plan must include a scale and north arrow. The specific footprints of all buildings, impervious surfaces, or other facilities must be included. If possible, the maps and plans should include the appropriate USGS Topographic Quad Map and NRCS Soil Survey with the property boundaries outlined. Plan drawings, or other maps may be included at the applicant's discretion, so long as the property is clearly defined. For administrative and distribution purposes, the USACE requires information to be submitted on sheets no larger than 11 by 17-inch format; however, DWQ may accept paperwork of any size. DWQ prefers full-size construction drawings rather than a sequential sheet version of the full-size plans. If full-size plans are reduced to a small scale such that the final version is illegible, the applicant will be informed that the project has been placed on hold until decipherable maps are provided.

1. Name of project: US 17 Washington Bypass
2. T.I.P. Project Number or State Project Number (NCDOT Only): R-2510B
3. Property Identification Number (Tax PIN): _____
4. Location
County: Beaufort Nearest Town: Washington
Subdivision name (include phase/lot number): _____
Directions to site (include road numbers, landmarks, etc.): _____

5. Site coordinates, if available (UTM or Lat/Long): Beginning N643060 E2565140
Ending N670840 E2574875
(Note – If project is linear, such as a road or utility line, attach a sheet that separately lists the coordinates for each crossing of a distinct waterbody.)
6. Property size (acres): _____
7. Nearest body of water (stream/river/sound/ocean/lake): Tar River
8. River Basin: Tar-Pam
(Note – this must be one of North Carolina's seventeen designated major river basins. The River Basin map is available at <http://h2o.enr.state.nc.us/admin/maps/>.)
9. Describe the existing conditions on the site and general land use in the vicinity of the project at the time of this application: Wetlands and riparian forest with little development.

10. Describe the overall project in detail, including the type of equipment to be used: Geotechnical test borings will be made in the surrounding wetlands, uplands, and river bottom. Drilling rigs will be used to perform this work. Wheeled rigs for land work and barges for work on the river.

11. Explain the purpose of the proposed work: To provide structure and foundation recommendations for the proposed bridge.

IV. Prior Project History

If jurisdictional determinations and/or permits have been requested and/or obtained for this project (including all prior phases of the same subdivision) in the past, please explain. Include the USACE Action ID Number, DWQ Project Number, application date, and date permits and certifications were issued or withdrawn. Provide photocopies of previously issued permits, certifications or other useful information. Describe previously approved wetland, stream and buffer impacts, along with associated mitigation (where applicable). If this is a NCDOT project, list and describe permits issued for prior segments of the same T.I.P. project, along with construction schedules.

Jurisdictional Determination from the USACE. AID # 199301143

V. Future Project Plans

Are any future permit requests anticipated for this project? If so, describe the anticipated work, and provide justification for the exclusion of this work from the current application.

Yes. Individual permit will be applied for. Typical road construction for new location and widening existing roadway.

VI. Proposed Impacts to Waters of the United States/Waters of the State

It is the applicant's (or agent's) responsibility to determine, delineate and map all impacts to wetlands, open water, and stream channels associated with the project. The applicant must also provide justification for these impacts in Section VII below. All proposed impacts, permanent and temporary, must be listed herein, and must be clearly identifiable on an accompanying site plan. All wetlands and waters, and all streams (intermittent and perennial) must be shown on a delineation map, whether or not impacts are proposed to these systems. Wetland and stream evaluation and delineation forms should be included as appropriate. Photographs may be included at the applicant's discretion. If this proposed impact is strictly for wetland or stream mitigation, list and describe the impact in Section VIII below. If additional space is needed for listing or description, please attach a separate sheet.

1. Provide a written description of the proposed impacts: Soil borings in the wetland, high ground, and river bottom.

2. Individually list wetland impacts below:

Wetland Impact Site Number (indicate on map)	Type of Impact*	Area of Impact (acres)	Located within 100-year Floodplain** (yes/no)	Distance to Nearest Stream (linear feet)	Type of Wetland***

- * List each impact separately and identify temporary impacts. Impacts include, but are not limited to: mechanized clearing, grading, fill, excavation, flooding, ditching/drainage, etc. For dams, separately list impacts due to both structure and flooding.
- ** 100-Year floodplains are identified through the Federal Emergency Management Agency's (FEMA) Flood Insurance Rate Maps (FIRM), or FEMA-approved local floodplain maps. Maps are available through the FEMA Map Service Center at 1-800-358-9616, or online at <http://www.fema.gov>.
- *** List a wetland type that best describes wetland to be impacted (e.g., freshwater/saltwater marsh, forested wetland, beaver pond, Carolina Bay, bog, etc.) Indicate if wetland is isolated (determination of isolation to be made by USACE only).

List the total acreage (estimated) of all existing wetlands on the property: _____
 Total area of wetland impact proposed: _____

3. Individually list all intermittent and perennial stream impacts below:

Stream Impact Site Number (indicate on map)	Type of Impact*	Length of Impact (linear feet)	Stream Name**	Average Width of Stream Before Impact	Perennial or Intermittent? (please specify)

- * List each impact separately and identify temporary impacts. Impacts include, but are not limited to: culverts and associated rip-rap, dams (separately list impacts due to both structure and flooding), relocation (include linear feet before and after, and net loss/gain), stabilization activities (cement wall, rip-rap, crib wall, gabions, etc.), excavation, ditching/straightening, etc. If stream relocation is proposed, plans and profiles showing the linear footprint for both the original and relocated streams must be included.
- ** Stream names can be found on USGS topographic maps. If a stream has no name, list as UT (unnamed tributary) to the nearest downstream named stream into which it flows. USGS maps are available through the USGS at 1-800-358-9616, or online at www.usgs.gov. Several internet sites also allow direct download and printing of USGS maps (e.g., www.topozone.com, www.mapquest.com, etc.).

Cumulative impacts (linear distance in feet) to all streams on site: _____

4. Individually list all open water impacts (including lakes, ponds, estuaries, sounds, Atlantic Ocean and any other water of the U.S.) below:

Open Water Impact Site Number (indicate on map)	Type of Impact*	Area of Impact (acres)	Name of Waterbody (if applicable)	Type of Waterbody (lake, pond, estuary, sound, bay, ocean, etc.)

* List each impact separately and identify temporary impacts. Impacts include, but are not limited to: fill, excavation, dredging, flooding, drainage, bulkheads, etc.

5. Pond Creation

If construction of a pond is proposed, associated wetland and stream impacts should be included above in the wetland and stream impact sections. Also, the proposed pond should be described here and illustrated on any maps included with this application.

Pond to be created in (check all that apply): uplands stream wetlands

Describe the method of construction (e.g., dam/embankment, excavation, installation of draw-down valve or spillway, etc.): _____

Proposed use or purpose of pond (e.g., livestock watering, irrigation, aesthetic, trout pond, local stormwater requirement, etc.): _____

Size of watershed draining to pond: _____ Expected pond surface area: _____

VII. Impact Justification (Avoidance and Minimization)

Specifically describe measures taken to avoid the proposed impacts. It may be useful to provide information related to site constraints such as topography, building ordinances, accessibility, and financial viability of the project. The applicant may attach drawings of alternative, lower-impact site layouts, and explain why these design options were not feasible. Also discuss how impacts were minimized once the desired site plan was developed. If applicable, discuss construction techniques to be followed during construction to reduce impacts.

VIII. Mitigation

DWQ - In accordance with 15A NCAC 2H .0500, mitigation may be required by the NC Division of Water Quality for projects involving greater than or equal to one acre of impacts to freshwater wetlands or greater than or equal to 150 linear feet of total impacts to perennial streams.

USACE – In accordance with the Final Notice of Issuance and Modification of Nationwide Permits, published in the Federal Register on March 9, 2000, mitigation will be required when necessary to ensure that adverse effects to the aquatic environment are minimal. Factors

including size and type of proposed impact and function and relative value of the impacted aquatic resource will be considered in determining acceptability of appropriate and practicable mitigation as proposed. Examples of mitigation that may be appropriate and practicable include, but are not limited to: reducing the size of the project; establishing and maintaining wetland and/or upland vegetated buffers to protect open waters such as streams; and replacing losses of aquatic resource functions and values by creating, restoring, enhancing, or preserving similar functions and values, preferable in the same watershed.

If mitigation is required for this project, a copy of the mitigation plan must be attached in order for USACE or DWQ to consider the application complete for processing. Any application lacking a required mitigation plan or NCWRP concurrence shall be placed on hold as incomplete. An applicant may also choose to review the current guidelines for stream restoration in DWQ's Draft Technical Guide for Stream Work in North Carolina, available at <http://h2o.enr.state.nc.us/ncwetlands/strmgide.html>.

1. Provide a brief description of the proposed mitigation plan. The description should provide as much information as possible, including, but not limited to: site location (attach directions and/or map, if offsite), affected stream and river basin, type and amount (acreage/linear feet) of mitigation proposed (restoration, enhancement, creation, or preservation), a plan view, preservation mechanism (e.g., deed restrictions, conservation easement, etc.), and a description of the current site conditions and proposed method of construction. Please attach a separate sheet if more space is needed.

N/A

2. Mitigation may also be made by payment into the North Carolina Wetlands Restoration Program (NCWRP). Please note it is the applicant's responsibility to contact the NCWRP at (919) 733-5208 to determine availability and to request written approval of mitigation prior to submittal of a PCN. For additional information regarding the application process for the NCWRP, check the NCWRP website at <http://h2o.enr.state.nc.us/wrp/index.htm>. If use of the NCWRP is proposed, please check the appropriate box on page three and provide the following information:

Amount of stream mitigation requested (linear feet): N/A

Amount of buffer mitigation requested (square feet): N/A

Amount of Riparian wetland mitigation requested (acres): N/A

Amount of Non-riparian wetland mitigation requested (acres): N/A

Amount of Coastal wetland mitigation requested (acres): N/A

IX. Environmental Documentation (required by DWQ)

Does the project involve an expenditure of public (federal/state) funds or the use of public (federal/state) land?

Yes

No

If yes, does the project require preparation of an environmental document pursuant to the requirements of the National or North Carolina Environmental Policy Act (NEPA/SEPA)?
 Note: If you are not sure whether a NEPA/SEPA document is required, call the SEPA coordinator at (919) 733-5083 to review current thresholds for environmental documentation.

Yes No

If yes, has the document review been finalized by the State Clearinghouse? If so, please attach a copy of the NEPA or SEPA final approval letter.

Yes No

X. Proposed Impacts on Riparian and Watershed Buffers (required by DWQ)

It is the applicant's (or agent's) responsibility to determine, delineate and map all impacts to required state and local buffers associated with the project. The applicant must also provide justification for these impacts in Section VII above. All proposed impacts must be listed herein, and must be clearly identifiable on the accompanying site plan. All buffers must be shown on a map, whether or not impacts are proposed to the buffers. Correspondence from the DWQ Regional Office may be included as appropriate. Photographs may also be included at the applicant's discretion.

Will the project impact protected riparian buffers identified within 15A NCAC 2B .0233 (Neuse), 15A NCAC 2B .0259 (Tar-Pamlico), 15A NCAC 2B .0250 (Randleman Rules and Water Supply Buffer Requirements), or other (please identify _____)?

Yes No If you answered "yes", provide the following information:

Identify the square feet and acreage of impact to each zone of the riparian buffers. If buffer mitigation is required calculate the required amount of mitigation by applying the buffer multipliers.

Zone*	Impact (square feet)	Multiplier	Required Mitigation
1		3	
2		1.5	
Total			

* Zone 1 extends out 30 feet perpendicular from near bank of channel; Zone 2 extends an additional 20 feet from the edge of Zone 1.

If buffer mitigation is required, please discuss what type of mitigation is proposed (i.e., Donation of Property, Conservation Easement, Riparian Buffer Restoration / Enhancement, Preservation or Payment into the Riparian Buffer Restoration Fund). Please attach all appropriate information as identified within 15A NCAC 2B .0242 or .0260.

XI. Stormwater (required by DWQ)

Describe impervious acreage (both existing and proposed) versus total acreage on the site. Discuss stormwater controls proposed in order to protect surface waters and wetlands downstream from the property.

N/A

XII. Sewage Disposal (required by DWQ)

Clearly detail the ultimate treatment methods and disposition (non-discharge or discharge) of wastewater generated from the proposed project, or available capacity of the subject facility.

N/A

XIII. Violations (required by DWQ)

Is this site in violation of DWQ Wetland Rules (15A NCAC 2H .0500) or any Buffer Rules?

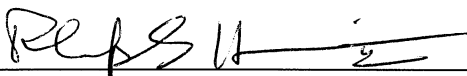
Yes No

Is this an after-the-fact permit application?

Yes No

XIV. Other Circumstances (Optional):

It is the applicant's responsibility to submit the application sufficiently in advance of desired construction dates to allow processing time for these permits. However, an applicant may choose to list constraints associated with construction or sequencing that may impose limits on work schedules (e.g., draw-down schedules for lakes, dates associated with Endangered and Threatened Species, accessibility problems, or other issues outside of the applicant's control).



Applicant/Agent's Signature

3/22/05

Date

(Agent's signature is valid only if an authorization letter from the applicant is provided.)

R-2510B Permit Points

Point	Northing	Easting	Station	Line
31001	640,471.27	2,563,847.58	212+00.00	-L-
31002	640,662.98	2,563,904.53	214+00.00	-L-
31003	640,854.70	2,563,961.49	216+00.00	-L-
31004	641,046.42	2,564,018.45	218+00.00	-L-
31005	641,238.14	2,564,075.40	220+00.00	-L-
31006	641,429.86	2,564,132.36	222+00.00	-L-
31007	641,621.42	2,564,189.83	224+00.00	-L-
31008	641,811.18	2,564,252.96	226+00.00	-L-
31009	641,996.56	2,564,327.90	228+00.00	-L-
31010	642,176.27	2,564,415.59	230+00.00	-L-
31011	642,349.42	2,564,515.60	232+00.00	-L-
31012	642,515.18	2,564,627.44	234+00.00	-L-
31013	642,672.72	2,564,750.58	236+00.00	-L-
31014	642,821.30	2,564,884.40	238+00.00	-L-
31015	642,960.18	2,565,028.26	240+00.00	-L-
31016	643,088.68	2,565,181.46	242+00.00	-L-
31017	643,206.19	2,565,343.26	244+00.00	-L-
31018	643,312.12	2,565,512.85	246+00.00	-L-
31019	643,407.10	2,565,688.83	248+00.00	-L-
31020	643,496.67	2,565,867.65	250+00.00	-L-
31021	643,585.71	2,566,046.74	252+00.00	-L-
31022	643,674.75	2,566,225.82	254+00.00	-L-
31023	643,763.80	2,566,404.91	256+00.00	-L-
31024	643,852.84	2,566,583.99	258+00.00	-L-
31025	643,941.88	2,566,763.08	260+00.00	-L-
31026	644,030.92	2,566,942.17	262+00.00	-L-
31027	644,119.96	2,567,121.25	264+00.00	-L-
31028	644,209.00	2,567,300.34	266+00.00	-L-
31029	644,298.05	2,567,479.42	268+00.00	-L-
31030	644,387.11	2,567,658.49	270+00.00	-L-
31031	644,478.65	2,567,836.31	272+00.00	-L-
31032	644,579.00	2,568,009.26	274+00.00	-L-
31033	644,691.06	2,568,174.87	276+00.00	-L-
31034	644,814.40	2,568,332.26	278+00.00	-L-
31035	644,948.42	2,568,480.66	280+00.00	-L-
31036	645,092.46	2,568,619.35	282+00.00	-L-
31037	645,245.83	2,568,747.66	284+00.00	-L-
31038	645,407.78	2,568,864.96	286+00.00	-L-
31039	645,577.51	2,568,970.67	288+00.00	-L-
31040	645,754.20	2,569,064.28	290+00.00	-L-
31041	645,936.99	2,569,145.34	292+00.00	-L-
31042	646,124.99	2,569,213.46	294+00.00	-L-
31043	646,317.29	2,569,268.29	296+00.00	-L-
31044	646,512.94	2,569,309.58	298+00.00	-L-
31045	646,710.82	2,569,338.47	300+00.00	-L-
31046	646,909.49	2,569,361.50	302+00.00	-L-
31047	647,108.22	2,569,384.00	304+00.00	-L-
31048	647,306.95	2,569,406.49	306+00.00	-L-

31049	647,505.68	2,569,428.99	308+00.00	-L-
31050	647,704.41	2,569,451.48	310+00.00	-L-
31051	647,903.14	2,569,473.98	312+00.00	-L-
31052	648,101.87	2,569,496.47	314+00.00	-L-
31053	648,300.60	2,569,518.97	316+00.00	-L-
31054	648,499.33	2,569,541.46	318+00.00	-L-
31055	648,698.06	2,569,563.96	320+00.00	-L-
31056	648,896.79	2,569,586.46	322+00.00	-L-
31057	649,095.52	2,569,608.95	324+00.00	-L-
31058	649,194.89	2,569,620.20	325+00.00	-L-
31059	649,294.26	2,569,631.45	326+00.00	-L-
31060	649,393.62	2,569,642.69	327+00.00	-L-
31061	649,492.99	2,569,653.94	328+00.00	-L-
31062	649,592.35	2,569,665.19	329+00.00	-L-
31063	649,691.72	2,569,676.44	330+00.00	-L-
31064	649,791.08	2,569,687.68	331+00.00	-L-
31065	649,890.45	2,569,698.93	332+00.00	-L-
31066	649,989.81	2,569,710.18	333+00.00	-L-
31067	650,089.18	2,569,721.43	334+00.00	-L-
31068	650,188.54	2,569,732.67	335+00.00	-L-
31069	650,287.91	2,569,743.92	336+00.00	-L-
31070	650,387.28	2,569,755.17	337+00.00	-L-
31071	650,486.64	2,569,766.42	338+00.00	-L-
31072	650,586.01	2,569,777.66	339+00.00	-L-
31073	650,685.37	2,569,788.91	340+00.00	-L-
31074	650,784.74	2,569,800.16	341+00.00	-L-
31075	650,884.10	2,569,811.41	342+00.00	-L-
31076	650,983.47	2,569,822.65	343+00.00	-L-
31077	651,082.83	2,569,833.90	344+00.00	-L-
31078	651,182.20	2,569,845.15	345+00.00	-L-
31079	651,281.56	2,569,856.40	346+00.00	-L-
31080	651,380.93	2,569,867.64	347+00.00	-L-
31081	651,480.30	2,569,878.89	348+00.00	-L-
31082	651,579.66	2,569,890.14	349+00.00	-L-
31083	651,679.03	2,569,901.39	350+00.00	-L-
31084	651,778.39	2,569,912.63	351+00.00	-L-
31085	651,877.76	2,569,923.88	352+00.00	-L-
31086	651,977.12	2,569,935.13	353+00.00	-L-
31087	652,076.49	2,569,946.38	354+00.00	-L-
31088	652,175.85	2,569,957.63	355+00.00	-L-
31089	652,275.22	2,569,968.87	356+00.00	-L-
31090	652,374.58	2,569,980.12	357+00.00	-L-
31091	652,473.95	2,569,991.37	358+00.00	-L-
31092	652,573.32	2,570,002.62	359+00.00	-L-
31093	652,672.68	2,570,013.86	360+00.00	-L-
31094	652,772.05	2,570,025.11	361+00.00	-L-
31095	652,871.41	2,570,036.36	362+00.00	-L-
31096	652,970.78	2,570,047.61	363+00.00	-L-
31097	653,070.14	2,570,058.85	364+00.00	-L-
31098	653,169.51	2,570,070.10	365+00.00	-L-
31099	653,268.87	2,570,081.35	366+00.00	-L-
31100	653,368.24	2,570,092.60	367+00.00	-L-

31101	653,467.60	2,570,103.84	368+00.00	-L-
31102	653,566.97	2,570,115.09	369+00.00	-L-
31103	653,666.34	2,570,126.34	370+00.00	-L-
31104	653,765.70	2,570,137.59	371+00.00	-L-
31105	653,865.07	2,570,148.83	372+00.00	-L-
31106	653,964.43	2,570,160.08	373+00.00	-L-
31107	654,063.80	2,570,171.33	374+00.00	-L-
31108	654,163.16	2,570,182.58	375+00.00	-L-
31109	654,262.53	2,570,193.82	376+00.00	-L-
31110	654,361.89	2,570,205.07	377+00.00	-L-
31111	654,461.26	2,570,216.32	378+00.00	-L-
31112	654,560.62	2,570,227.57	379+00.00	-L-
31113	654,659.99	2,570,238.81	380+00.00	-L-
31114	654,759.36	2,570,250.06	381+00.00	-L-
31115	654,858.72	2,570,261.31	382+00.00	-L-
31116	654,958.09	2,570,272.56	383+00.00	-L-
31117	655,057.45	2,570,283.81	384+00.00	-L-
31118	655,156.82	2,570,295.05	385+00.00	-L-
31119	655,256.18	2,570,306.30	386+00.00	-L-
31120	655,355.55	2,570,317.55	387+00.00	-L-
31121	655,454.91	2,570,328.80	388+00.00	-L-
31122	655,554.28	2,570,340.04	389+00.00	-L-
31123	655,653.64	2,570,351.29	390+00.00	-L-
31124	655,753.01	2,570,362.54	391+00.00	-L-
31125	655,852.38	2,570,373.79	392+00.00	-L-
31126	655,951.74	2,570,385.03	393+00.00	-L-
31127	656,051.11	2,570,396.28	394+00.00	-L-
31128	656,150.47	2,570,407.53	395+00.00	-L-
31129	656,249.84	2,570,418.78	396+00.00	-L-
31130	656,349.20	2,570,430.02	397+00.00	-L-
31131	656,448.57	2,570,441.27	398+00.00	-L-
31132	656,547.93	2,570,452.52	399+00.00	-L-
31133	656,647.30	2,570,463.77	400+00.00	-L-
31134	656,746.66	2,570,475.01	401+00.00	-L-
31135	656,846.03	2,570,486.26	402+00.00	-L-
31136	656,945.40	2,570,497.51	403+00.00	-L-
31137	657,044.76	2,570,508.76	404+00.00	-L-
31138	657,144.13	2,570,520.00	405+00.00	-L-
31139	657,243.49	2,570,531.25	406+00.00	-L-
31140	657,342.86	2,570,542.50	407+00.00	-L-
31141	657,442.22	2,570,553.75	408+00.00	-L-
31142	657,541.59	2,570,564.99	409+00.00	-L-
31143	657,640.95	2,570,576.24	410+00.00	-L-
31144	657,740.32	2,570,587.49	411+00.00	-L-
31145	657,839.68	2,570,598.74	412+00.00	-L-
31146	657,939.05	2,570,609.99	413+00.00	-L-
31147	658,038.42	2,570,621.23	414+00.00	-L-
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31152	658,535.24	2,570,677.47	419+00.00	-L-

31153	658,634.61	2,570,688.72	420+00.00	-L-
31154	658,733.97	2,570,699.97	421+00.00	-L-
31155	658,833.34	2,570,711.21	422+00.00	-L-
31156	658,932.70	2,570,722.46	423+00.00	-L-
31157	659,032.07	2,570,733.71	424+00.00	-L-
31158	659,131.43	2,570,744.96	425+00.00	-L-
31159	659,230.80	2,570,756.20	426+00.00	-L-
31160	659,330.17	2,570,767.45	427+00.00	-L-
31161	659,429.53	2,570,778.70	428+00.00	-L-
31162	659,528.90	2,570,789.95	429+00.00	-L-
31163	659,628.26	2,570,801.19	430+00.00	-L-
31164	659,727.63	2,570,812.44	431+00.00	-L-
31165	659,826.99	2,570,823.69	432+00.00	-L-
31166	659,926.36	2,570,834.94	433+00.00	-L-
31167	660,025.72	2,570,846.18	434+00.00	-L-
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31170	660,323.82	2,570,879.93	437+00.00	-L-
31171	660,423.19	2,570,891.17	438+00.00	-L-
31172	660,522.55	2,570,902.42	439+00.00	-L-
31173	660,621.92	2,570,913.67	440+00.00	-L-
31174	660,721.28	2,570,924.92	441+00.00	-L-
31175	660,820.65	2,570,936.16	442+00.00	-L-
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31177	661,019.38	2,570,958.66	444+00.00	-L-
31178	661,118.74	2,570,969.91	445+00.00	-L-
31179	661,218.11	2,570,981.16	446+00.00	-L-
31180	661,317.47	2,570,992.40	447+00.00	-L-
31181	661,416.84	2,571,003.65	448+00.00	-L-
31182	661,516.21	2,571,014.90	449+00.00	-L-
31183	661,615.57	2,571,026.15	450+00.00	-L-
31184	661,714.94	2,571,037.39	451+00.00	-L-
31185	661,814.30	2,571,048.64	452+00.00	-L-
31186	661,913.67	2,571,059.89	453+00.00	-L-
31187	662,013.03	2,571,071.14	454+00.00	-L-
31188	662,112.35	2,571,082.79	455+00.00	-L-
31189	662,211.50	2,571,095.78	456+00.00	-L-
31190	662,310.32	2,571,111.09	457+00.00	-L-
31191	662,408.59	2,571,129.60	458+00.00	-L-
31192	662,506.15	2,571,151.52	459+00.00	-L-
31193	662,602.89	2,571,176.84	460+00.00	-L-
31194	662,698.68	2,571,205.52	461+00.00	-L-
31195	662,793.42	2,571,237.52	462+00.00	-L-
31196	662,886.98	2,571,272.81	463+00.00	-L-
31197	662,979.25	2,571,311.34	464+00.00	-L-
31198	663,070.12	2,571,353.07	465+00.00	-L-
31199	663,159.48	2,571,397.94	466+00.00	-L-
31200	663,247.22	2,571,445.91	467+00.00	-L-
31201	663,333.23	2,571,496.91	468+00.00	-L-
31202	663,417.41	2,571,550.88	469+00.00	-L-
31203	663,499.66	2,571,607.75	470+00.00	-L-
31204	663,580.03	2,571,667.25	471+00.00	-L-

31205	663,659.00	2,571,728.59	472+00.00	-L-
31206	663,737.16	2,571,790.97	473+00.00	-L-
31207	663,815.08	2,571,853.65	474+00.00	-L-
31208	663,893.00	2,571,916.33	475+00.00	-L-
31209	663,970.92	2,571,979.01	476+00.00	-L-
31210	664,048.84	2,572,041.69	477+00.00	-L-
31211	664,126.76	2,572,104.36	478+00.00	-L-
31212	664,282.60	2,572,229.72	480+00.00	-L-
31213	664,438.43	2,572,355.08	482+00.00	-L-
31214	664,594.27	2,572,480.44	484+00.00	-L-
31215	664,750.11	2,572,605.80	486+00.00	-L-
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31217	665,061.78	2,572,856.51	490+00.00	-L-
31218	665,217.62	2,572,981.87	492+00.00	-L-
31219	665,373.46	2,573,107.23	494+00.00	-L-
31220	665,529.30	2,573,232.58	496+00.00	-L-
31221	665,685.14	2,573,357.94	498+00.00	-L-
31222	665,840.97	2,573,483.30	500+00.00	-L-
31223	665,996.81	2,573,608.66	502+00.00	-L-
31224	666,152.65	2,573,734.02	504+00.00	-L-
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31228	666,776.00	2,574,235.45	512+00.00	-L-
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31232	667,411.00	2,574,721.17	520+00.00	-L-
31233	667,585.63	2,574,818.54	522+00.00	-L-
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31235	667,956.95	2,574,965.90	526+00.00	-L-
31236	668,150.82	2,575,014.76	528+00.00	-L-
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31238	668,547.63	2,575,061.00	532+00.00	-L-
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31240	668,946.97	2,575,043.07	536+00.00	-L-
31241	669,146.20	2,575,025.50	538+00.00	-L-
31242	669,345.42	2,575,007.93	540+00.00	-L-
31243	669,547.29	2,575,020.25	542+00.00	-L-
31244	669,746.51	2,575,002.68	544+00.00	-L-
31245	669,945.74	2,574,985.11	546+00.00	-L-
31246	670,144.97	2,574,967.54	548+00.00	-L-
31247	670,344.19	2,574,949.97	550+00.00	-L-
31248	670,543.42	2,574,932.40	552+00.00	-L-
31249	670,742.65	2,574,914.83	554+00.00	-L-
31250	670,941.87	2,574,897.26	556+00.00	-L-
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31253	671,539.55	2,574,844.55	562+00.00	-L-
31254	671,738.78	2,574,826.99	564+00.00	-L-
31255	671,938.01	2,574,809.42	566+00.00	-L-
31256	672,137.23	2,574,791.85	568+00.00	-L-

31257	672,336.46	2,574,774.28	570+00.00	-L-
31258	672,535.69	2,574,756.71	572+00.00	-L-
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31261	645,524.87	2,568,116.98	8+00.00	-BY11-
31262	645,705.44	2,568,194.54	10+00.00	-BY11-
31263	645,900.14	2,568,234.84	12+00.00	-BY11-
31264	644,281.23	2,569,542.28	6+00.00	-BY13-
31265	644,432.60	2,569,673.00	8+00.00	-BY13-
31266	644,620.68	2,569,698.51	10+00.00	-BY13-
31267	644,820.51	2,569,690.33	12+00.00	-BY13-
31268	645,020.35	2,569,682.15	14+00.00	-BY13-
31269	645,205.21	2,569,756.04	16+00.00	-BY13-
31270	645,389.29	2,569,834.24	18+00.00	-BY13-
31271	645,567.13	2,569,919.11	20+00.00	-BY13-
31272	644,094.20	2,566,990.28	6+00.00	-BY10RPB-
31273	644,238.92	2,567,128.32	8+00.00	-BY10RPB-
31274	644,383.64	2,567,266.36	10+00.00	-BY10RPB-
31275	644,533.11	2,567,399.17	12+00.00	-BY10RPB-
31276	644,691.50	2,567,520.95	14+00.00	-BY10RPB-
31277	644,854.44	2,567,636.92	16+00.00	-BY10RPB-
31278	645,017.36	2,567,752.93	18+00.00	-BY10RPB-
31279	645,180.24	2,567,868.99	20+00.00	-BY10RPB-
31280	644,200.85	2,567,332.14	6+00.00	-BY10RPC-
31281	644,248.62	2,567,526.35	8+00.00	-BY10RPC-
31282	644,296.71	2,567,720.48	10+00.00	-BY10RPC-
31283	644,343.78	2,567,914.82	12+00.00	-BY10RPC-
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31287	644,640.14	2,568,637.27	20+00.00	-BY10RPC-
31288	644,804.27	2,568,797.20	6+00.00	-BY10RPD-
31289	644,949.11	2,568,935.12	8+00.00	-BY10RPD-
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31291	645,296.29	2,569,122.55	12+00.00	-BY10RPD-
31292	645,491.80	2,569,164.68	14+00.00	-BY10RPD-
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31296	645,015.53	2,567,802.90	8+00.00	-BY10LPB-
31297	644,829.16	2,567,808.25	10+00.00	-BY10LPB-
31298	644,715.18	2,567,952.43	12+00.00	-BY10LPB-
31299	644,771.99	2,568,116.20	14+00.00	-BY10LPB-
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31302	665,576.18	2,572,935.45	8+00.00	-BY19RPA-
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31304	665,849.01	2,573,226.87	12+00.00	-BY19RPA-
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31306	666,098.95	2,573,539.17	16+00.00	-BY19RPA-
31307	664,299.01	2,572,151.73	8+00.00	-BY19RPB-
31308	664,480.56	2,572,235.62	10+00.00	-BY19RPB-

31309	664,662.12	2,572,319.50	12+00.00	-BY19RPB-
31310	664,841.39	2,572,407.65	14+00.00	-BY19RPB-
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31313	665,352.24	2,572,722.35	20+00.00	-BY19RPB-
31314	664,036.05	2,572,126.76	12+00.00	-BY19RPC-
31315	664,178.85	2,572,266.79	14+00.00	-BY19RPC-
31316	664,305.93	2,572,420.63	16+00.00	-BY19RPC-
31317	664,426.42	2,572,580.26	18+00.00	-BY19RPC-
31318	664,555.19	2,572,733.07	20+00.00	-BY19RPC-
31319	664,688.80	2,572,881.90	22+00.00	-BY19RPC-
31320	664,822.41	2,573,030.72	24+00.00	-BY19RPC-
31321	664,940.22	2,573,140.17	6+00.00	-BY19RPD-
31322	665,094.06	2,573,267.97	8+00.00	-BY19RPD-
31323	665,260.95	2,573,370.82	10+00.00	-BY19RPD-
31324	665,453.69	2,573,424.21	12+00.00	-BY19RPD-
31325	665,645.02	2,573,482.05	14+00.00	-BY19RPD-
31326	665,816.52	2,573,579.08	16+00.00	-BY19RPD-
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PROJECT LENGTH

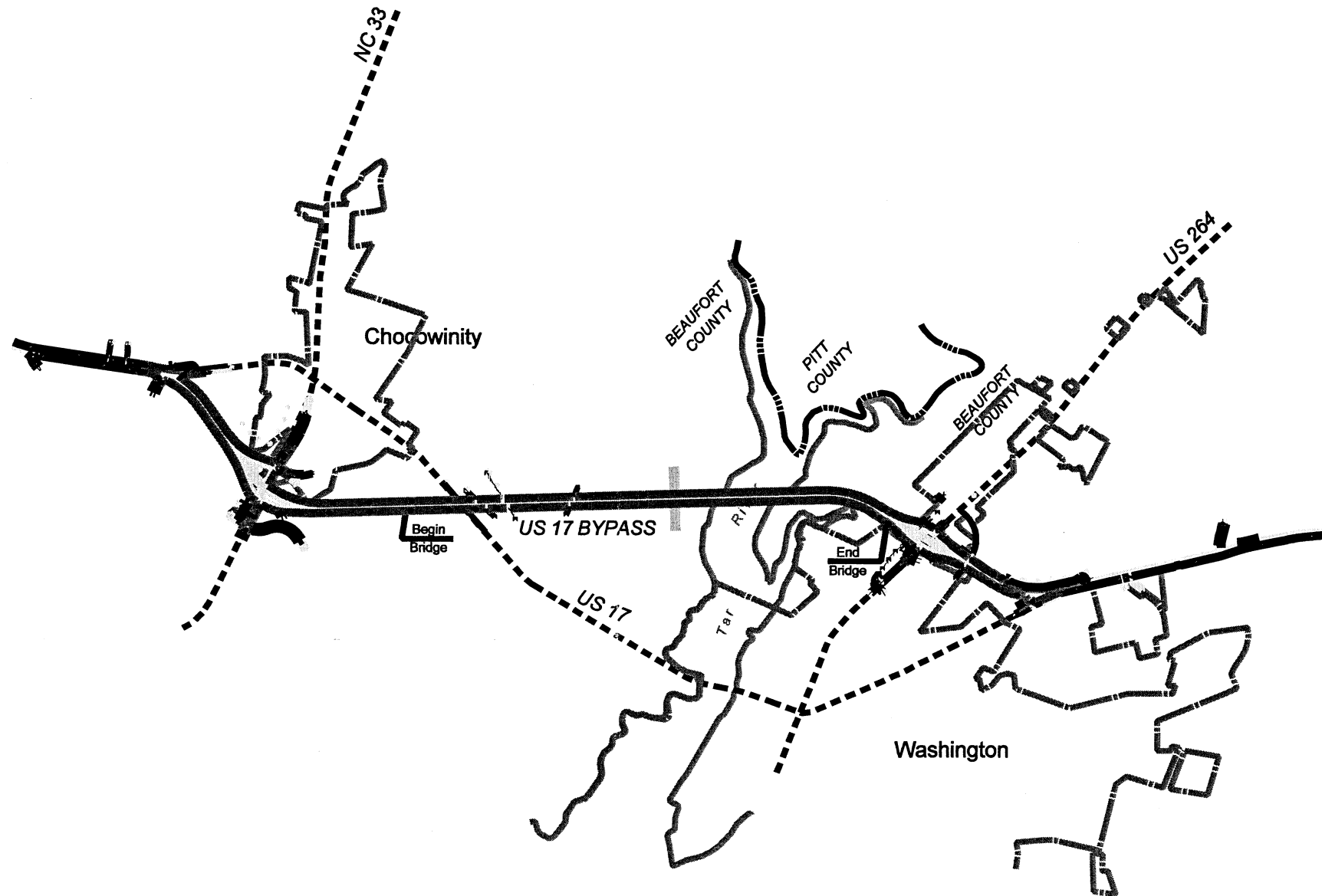
APPROXIMATELY = 5.90 Miles

STATE OF NORTH CAROLINA
DIVISION OF HIGHWAYS

Beaufort County



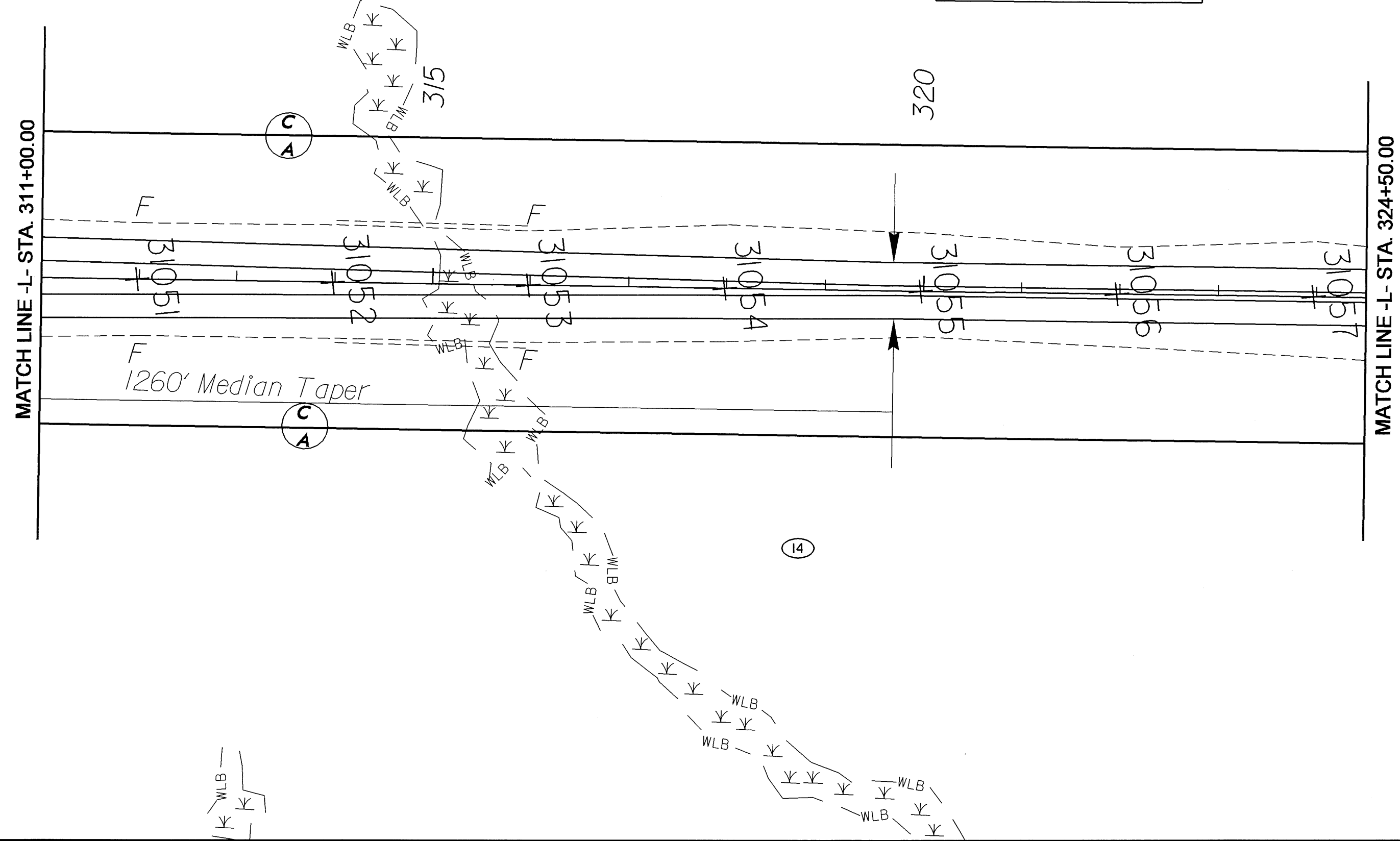
PROJECT: R-2510B



English

PROJECT REFERENCE NO. R-2510B	SHEET NO. 11
RW SHEET NO.	
ROADWAY DESIGN ENGINEER	HYDRAULICS ENGINEER
INCOMPLETE PLANS DO NOT USE FOR A/V ADJUSTMENT	
PRELIMINARY PLANS DO NOT USE FOR CONSTRUCTION	

R-2510B Washington Bypass
 US 17 from South of SR 1149 (Price Rd.) to US 17
 South of SR 1536 (Hamilton Beach Rd.)
 Beaufort County
 SCALE: 1"=100'



REVISIONS

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English

PROJECT REFERENCE NO. R-2510B	SHEET NO. 12
RW SHEET NO.	
ROADWAY DESIGN ENGINEER	HYDRAULICS ENGINEER
INCOMPLETE PLANS DO NOT USE FOR R/W ACQUISITION	
PRELIMINARY PLANS DO NOT USE FOR CONSTRUCTION	

R-2510B Washington Bypass
 US 17 from South of SR 1149 (Price Rd.) to US 17
 South of SR 1536 (Hamilton Beach Rd.)
 Beaufort County
 SCALE: 1"=100'



MATCH LINE - L- STA. 324+50.00

MATCH LINE - L- STA. 337+50.00

325

330

335

(C)
A

(15)
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A

(16)

HITT, JOHN F & SLOAN,
ELIZABETH W P

ERN, GARY R &
ROBERT A

REVISIONS

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 Drawing

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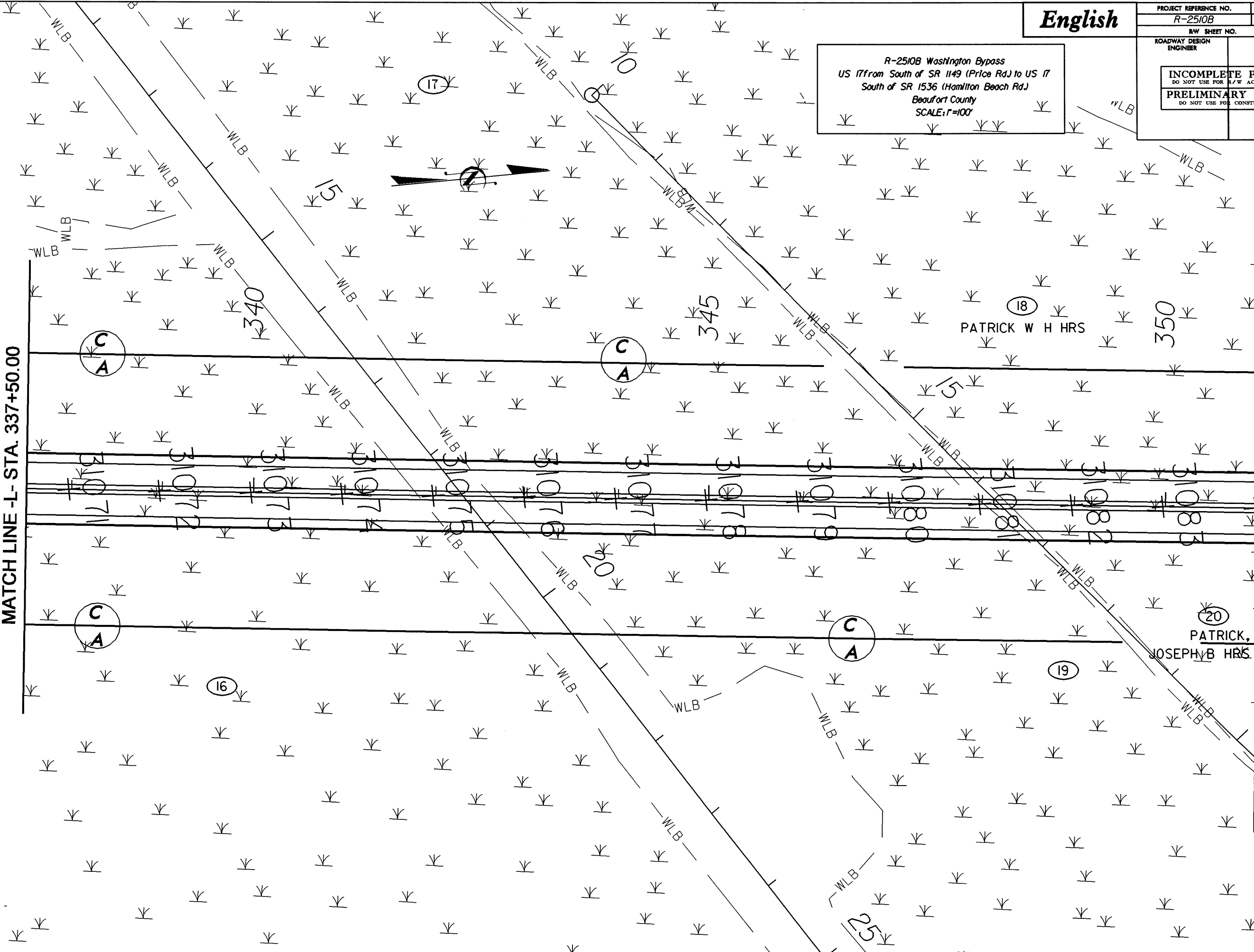
English

PROJECT REFERENCE NO. R-2510B	SHEET NO. 13
R/W SHEET NO.	
ROADWAY DESIGN ENGINEER	HYDRAULICS ENGINEER
INCOMPLETE PLANS DO NOT USE FOR R/W ACQUISITION	
PRELIMINARY PLANS DO NOT USE FOR CONSTRUCTION	

R-2510B Washington Bypass
 US 17 from South of SR 1149 (Price Rd.) to US 17
 South of SR 1536 (Hamilton Beach Rd.)
 Beaufort County
 SCALE: 1"=100'

MATCH LINE -L- STA. 337+50.00

MATCH LINE -L- STA. 351+00.00



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 drawing

(20) PATRICK, JOSEPH B HRS

(18) PATRICK W H HRS

(16)

(17)

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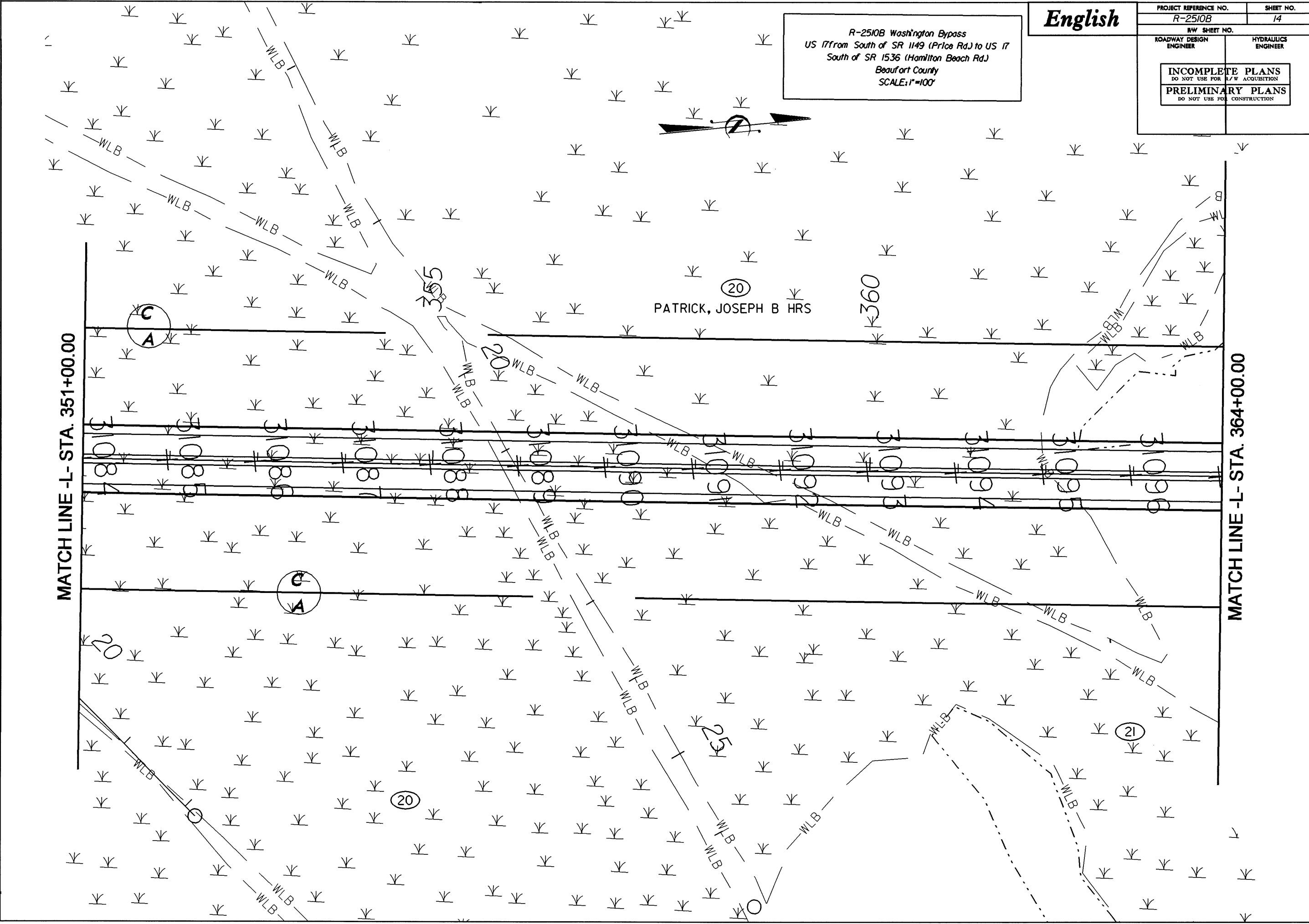
MATCH LINE - L- STA. 351+00.00

MATCH LINE - L- STA. 364+00.00

R-2510B Washington Bypass
US 17 from South of SR 1149 (Price Rd.) to US 17
South of SR 1536 (Hamilton Beach Rd.)
Beaufort County
SCALE: 1"=100'

English

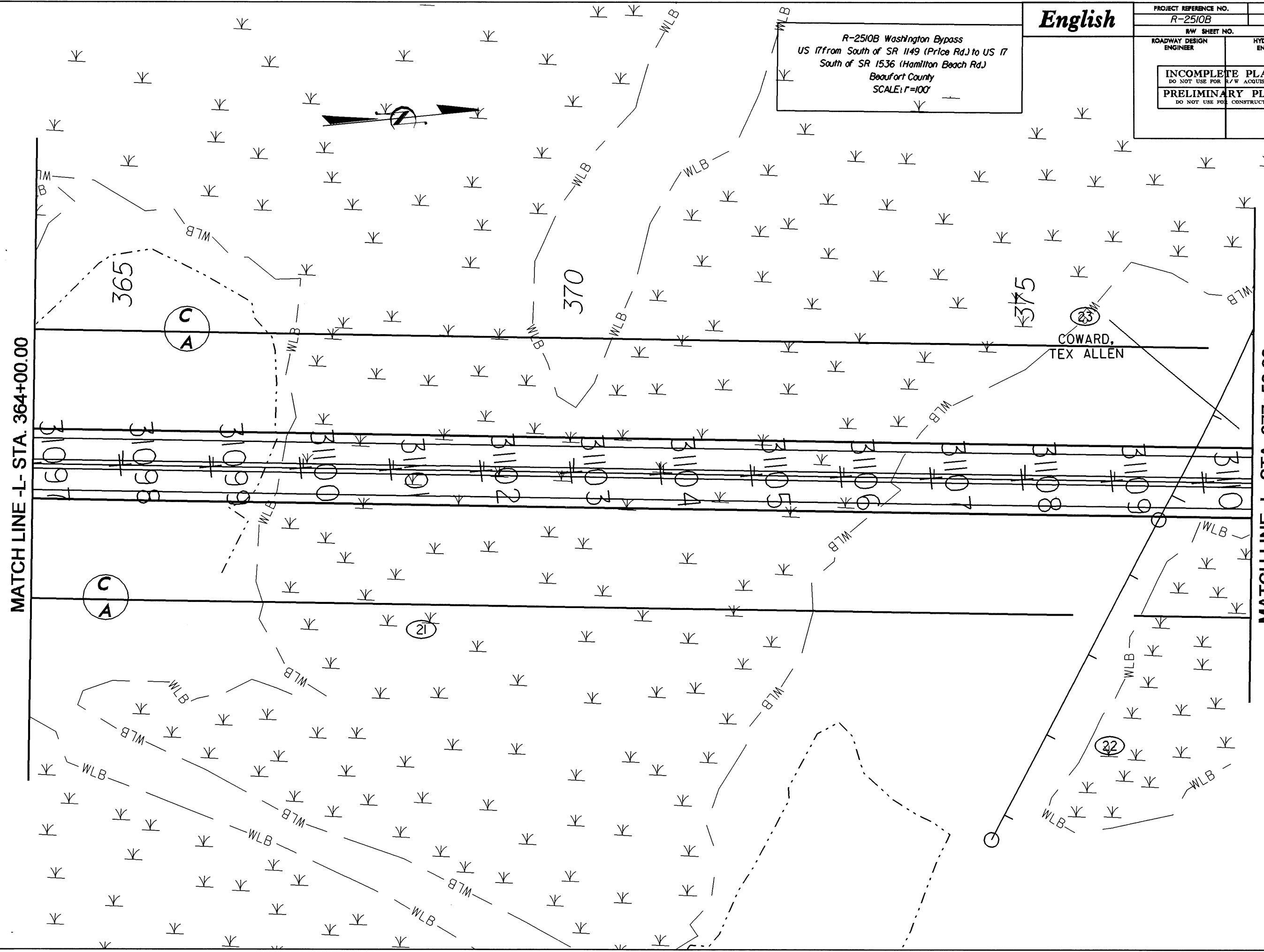
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RW SHEET NO.	
ROADWAY DESIGN ENGINEER	HYDRAULICS ENGINEER
INCOMPLETE PLANS DO NOT USE FOR R/W ACQUISITION	
PRELIMINARY PLANS DO NOT USE FOR CONSTRUCTION	



English

PROJECT REFERENCE NO. R-2510B	SHEET NO. 15
R/W SHEET NO.	
ROADWAY DESIGN ENGINEER	HYDRAULICS ENGINEER
INCOMPLETE PLANS DO NOT USE FOR R/W ACQUISITION PRELIMINARY PLANS DO NOT USE FOR CONSTRUCTION	

R-2510B Washington Bypass
 US 17 from South of SR 1149 (Price Rd.) to US 17
 South of SR 1536 (Hamilton Beach Rd.)
 Beaufort County
 SCALE: F=100'



REVISIONS

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English

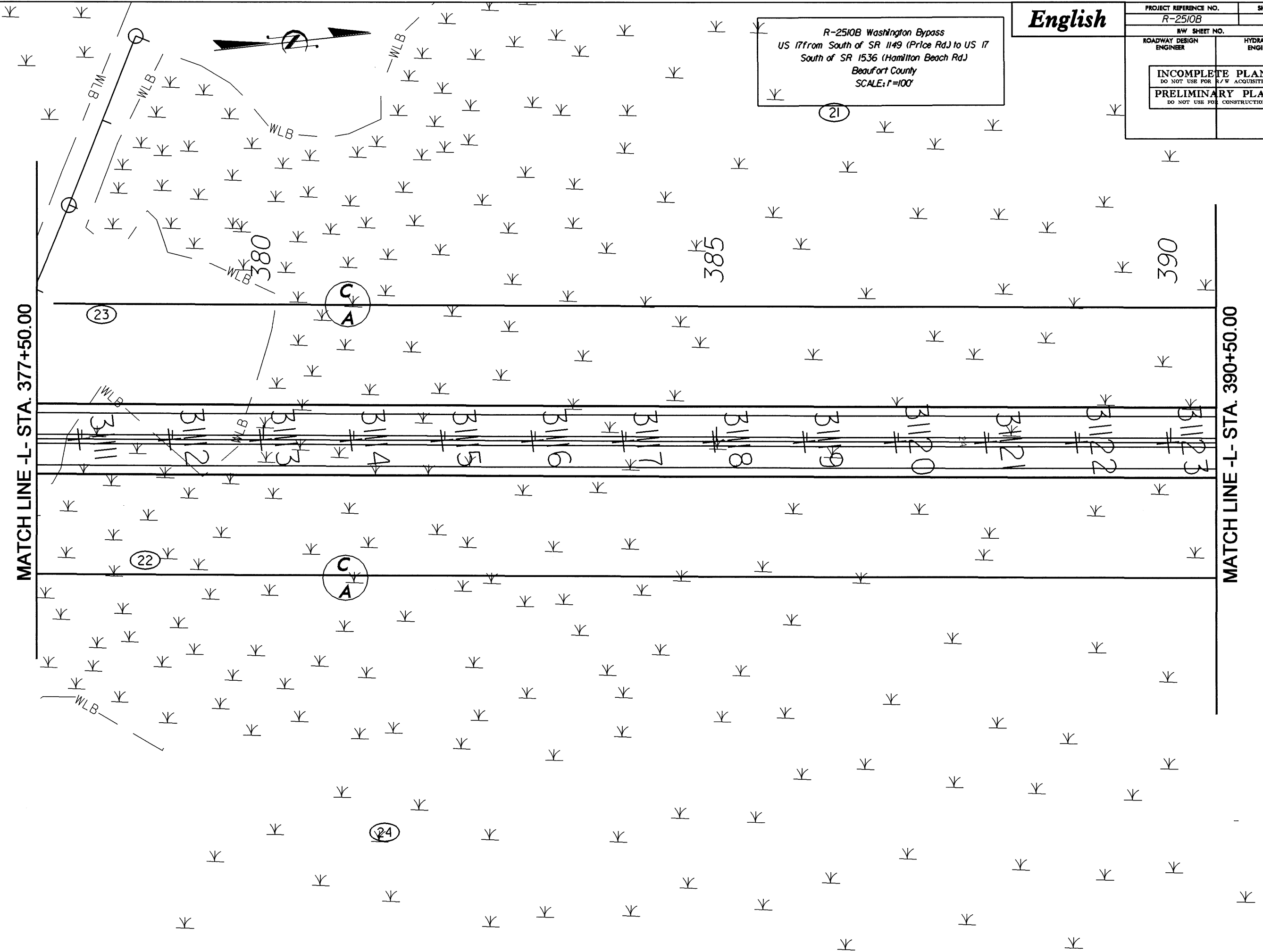
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RW SHEET NO.	
ROADWAY DESIGN ENGINEER	HYDRAULICS ENGINEER
INCOMPLETE PLANS DO NOT USE FOR R/W ACQUISITION PRELIMINARY PLANS DO NOT USE FOR CONSTRUCTION	

R-2510B Washington Bypass
 US 17 from South of SR 1149 (Price Rd.) to US 17
 South of SR 1536 (Hamilton Beach Rd.)
 Beaufort County
 SCALE: 1"=100'

21

MATCH LINE -L- STA. 377+50.00

MATCH LINE -L- STA. 390+50.00



REVISIONS

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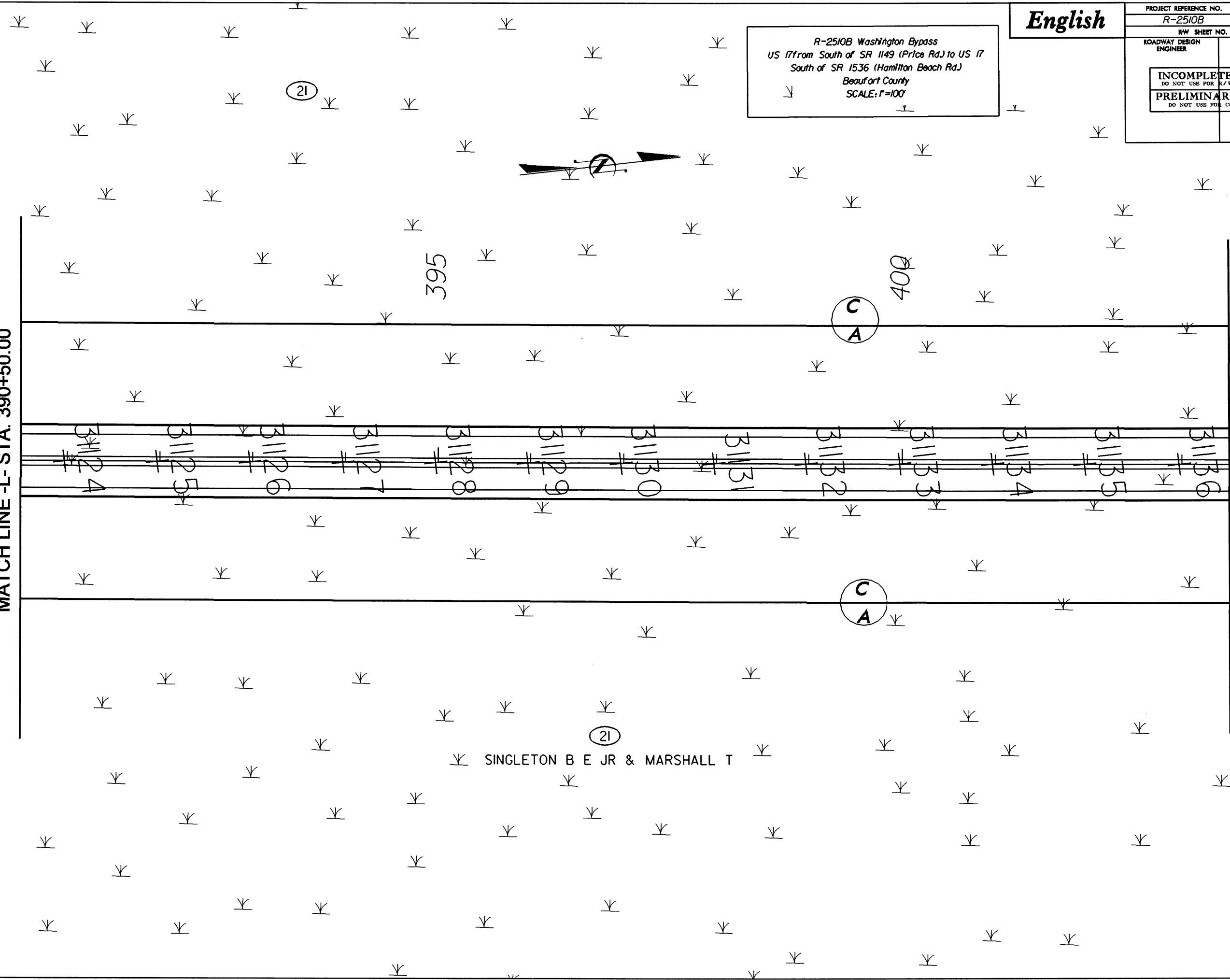
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MATCH LINE -L- STA. 390+50.00

MATCH LINE -L- STA. 404+50.00



R-2510B Washington Bypass
 US 17 from South of SR 1149 (Price Rd.) to US 17
 South of SR 1536 (Hamilton Beach Rd.)
 Beaufort County
 SCALE: 1"=100'

English

PROJECT REFERENCE NO. R-2510B	SHEET NO. 17
RW SHEET NO.	
ROADWAY DESIGN ENGINEER	HYDRAULICS ENGINEER
INCOMPLETE PLANS DO NOT USE FOR R/W ACQUISITION	
PRELIMINARY PLANS DO NOT USE FOR CONSTRUCTION	

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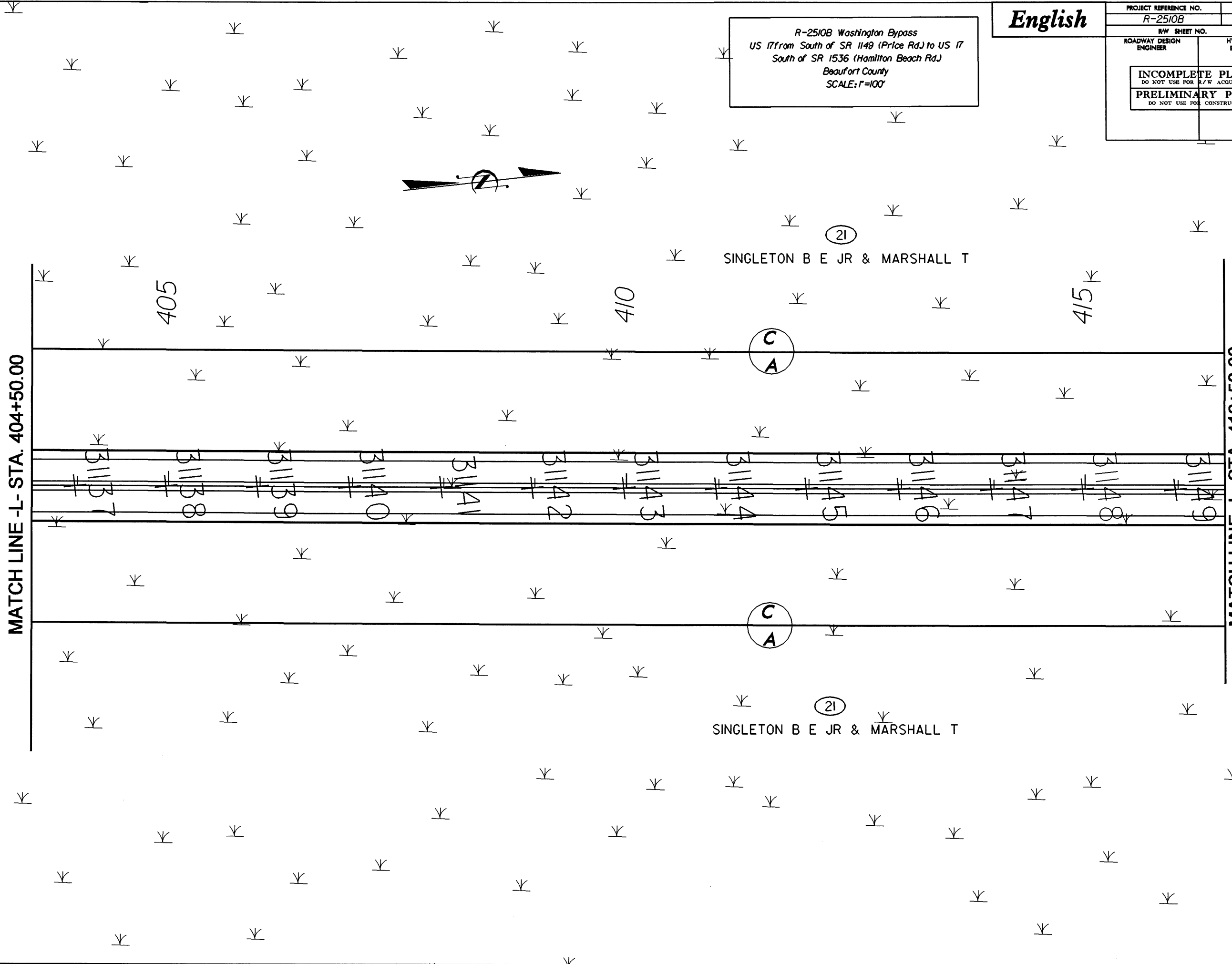
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MATCH LINE -L- STA. 404+50.00

MATCH LINE -L- STA. 416+50.00



R-2510B Washington Bypass
 US 17 from South of SR 1149 (Price Rd.) to US 17
 South of SR 1536 (Hamilton Beach Rd.)
 Beaufort County
 SCALE: 1"=100'

English

PROJECT REFERENCE NO. R-2510B	SHEET NO. 18
R/W SHEET NO.	
ROADWAY DESIGN ENGINEER	HYDRAULICS ENGINEER
INCOMPLETE PLANS DO NOT USE FOR R/W ACQUISITION	
PRELIMINARY PLANS DO NOT USE FOR CONSTRUCTION	

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English

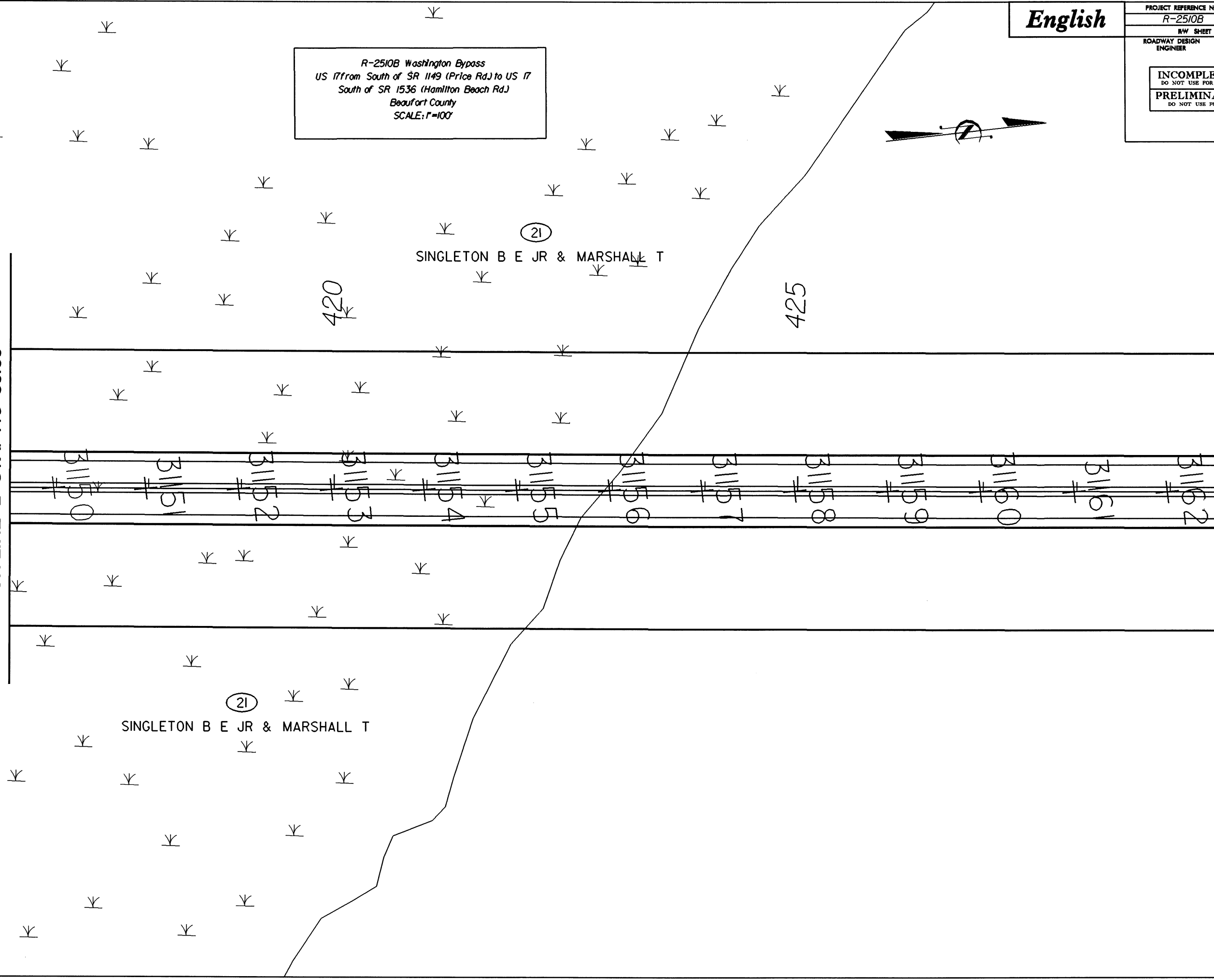
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RW SHEET NO.	
ROADWAY DESIGN ENGINEER	HYDRAULICS ENGINEER
INCOMPLETE PLANS DO NOT USE FOR R/W ACQUISITION	
PRELIMINARY PLANS DO NOT USE FOR CONSTRUCTION	

R-2510B Washington Bypass
 US 17 from South of SR 1149 (Price Rd.) to US 17
 South of SR 1536 (Hamilton Beach Rd.)
 Beaufort County
 SCALE: 1"=100'



MATCH LINE -L- STA. 416+50.00

MATCH LINE -L- STA. 429+50.00

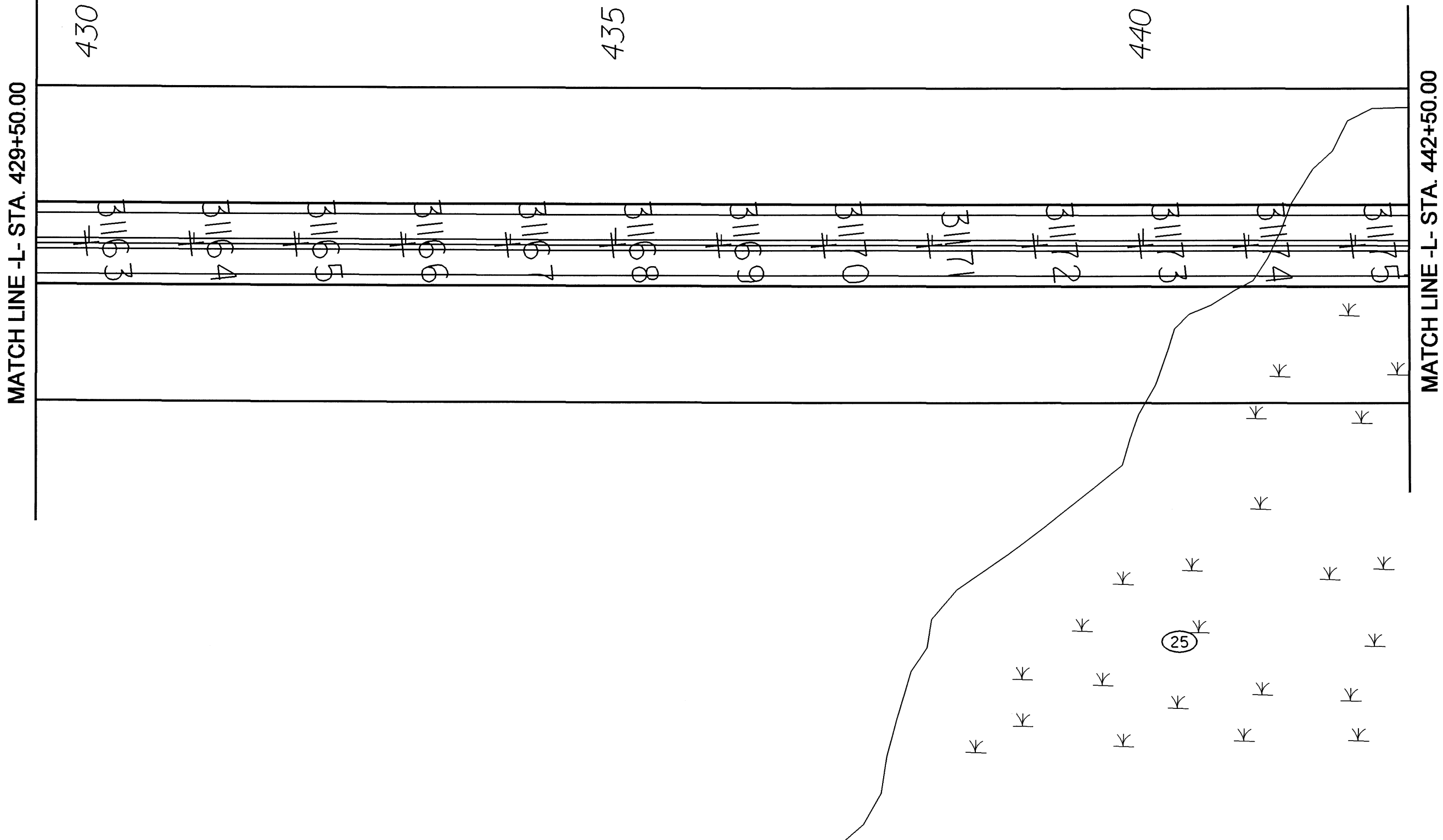


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English

PROJECT REFERENCE NO. R-2510B		SHEET NO. 20
RW SHEET NO.		
ROADWAY DESIGN ENGINEER	HYDRAULICS ENGINEER	
INCOMPLETE PLANS DO NOT USE FOR R/W ACQUISITION		
PRELIMINARY PLANS DO NOT USE FOR CONSTRUCTION		

R-2510B Washington Bypass
 US 17 from South of SR 1149 (Price Rd.) to US 17
 South of SR 1536 (Hamilton Beach Rd.)
 Beaufort County
 SCALE: 1"=100'



REVISIONS

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English

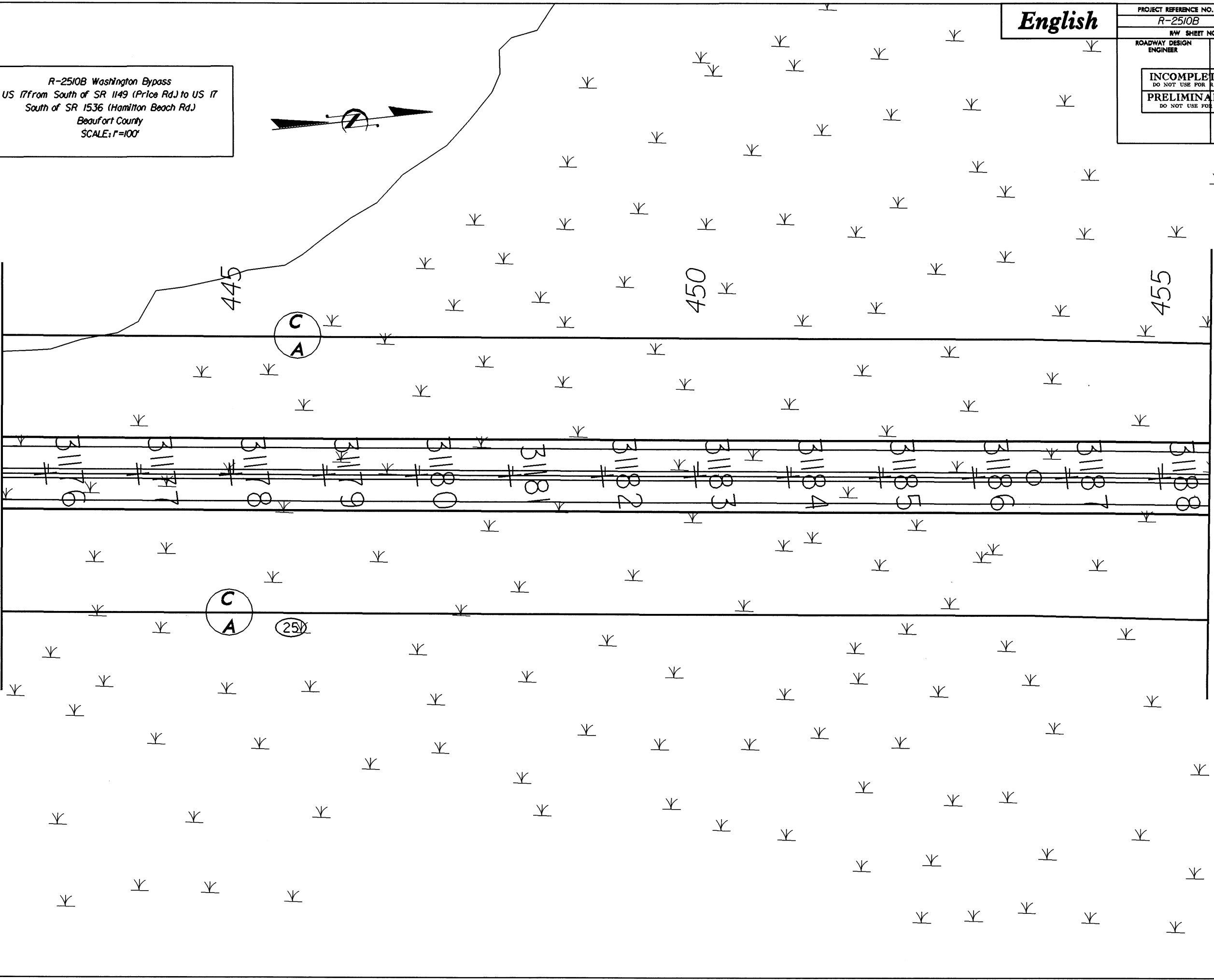
PROJECT REFERENCE NO. R-2510B	SHEET NO. 21
RW SHEET NO.	
ROADWAY DESIGN ENGINEER	HYDRAULICS ENGINEER
INCOMPLETE PLANS DO NOT USE FOR R/W ACQUISITION PRELIMINARY PLANS DO NOT USE FOR CONSTRUCTION	

R-2510B Washington Bypass
 US 17 from South of SR 1149 (Price Rd.) to US 17
 South of SR 1536 (Hamilton Beach Rd.)
 Beaufort County
 SCALE: 1"=100'



MATCH LINE -L- STA. 442+50.00

MATCH LINE -L- STA. 455+50.00



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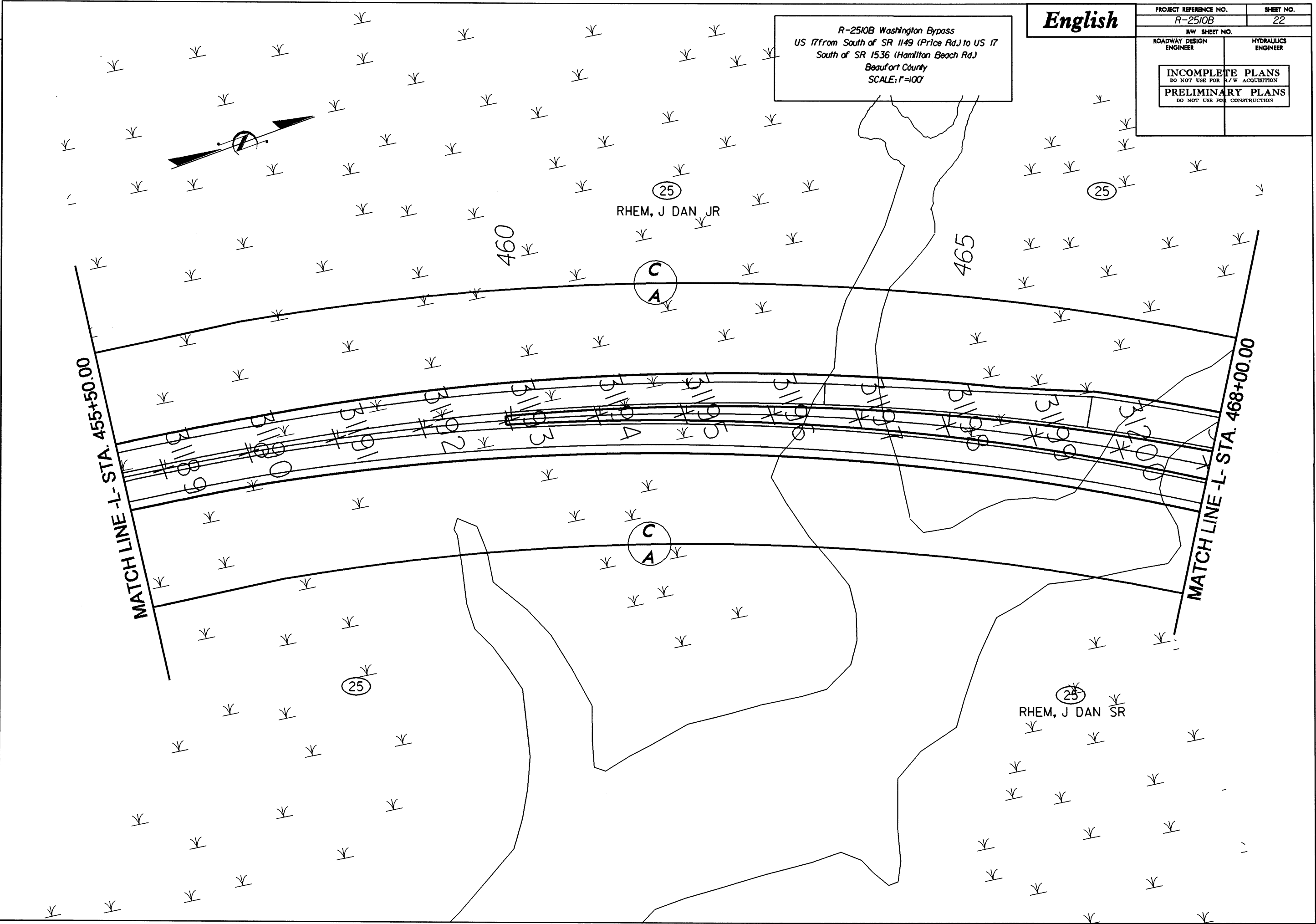
English

PROJECT REFERENCE NO. R-2510B	SHEET NO. 22
R/W SHEET NO.	
ROADWAY DESIGN ENGINEER	HYDRAULICS ENGINEER
INCOMPLETE PLANS DO NOT USE FOR R/W ACQUISITION	
PRELIMINARY PLANS DO NOT USE FOR CONSTRUCTION	

R-2510B Washington Bypass
 US 17 from South of SR 1149 (Price Rd.) to US 17
 South of SR 1536 (Hamilton Beach Rd.)
 Beaufort County
 SCALE: F=100'

REVISIONS

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directing

English

PROJECT REFERENCE NO. R-2510B	SHEET NO. 23
R/W SHEET NO.	
ROADWAY DESIGN ENGINEER	HYDRAULICS ENGINEER
INCOMPLETE PLANS DO NOT USE FOR R/W ACQUISITION PRELIMINARY PLANS DO NOT USE FOR CONSTRUCTION	

R-2510B Washington Bypass
 US 17 from South of SR 1149 (Price Rd.) to US 17
 South of SR 1536 (Hamilton Beach Rd.)
 Beaufort County
 SCALE: 1"=100'

