

REQUEST FOR CITY COUNCIL CONSIDERATION

Meeting Date: August 19, 2024

Agenda Item: 7A	Prepared by: Chris Noury, City Attorney	
Agenda Section: New Business: Resolution	Date: August 12, 2024	
Subject: A Resolution to approve the Municipal State Highway Project Agreement regarding US Highway 17 Corridor Safety Improvements from Conway Street to 20 th Avenue South	Division: Legal	
<u>Background:</u> The South Carolina Department of Transportation intends to install medians on the section of Highway 17 in the southern section of North Myrtle Beach from Conway Street to 20th Avenue South (see the attached rendering). Section 57-5-820 of the Code of Laws of South Carolina provides that “All work to be performed by the Department on state highways within a municipality must be with the consent and approval of the proper municipal authorities...” Attached for Council’s consideration is the Resolution granting the City’s approval for the above-referenced project. <u>Recommended Action:</u> Adopt the Resolution		
Reviewed by Department Head	Reviewed by City Manager	Reviewed by City Attorney
Council Action: Motion By _____ 2nd By _____ To _____		

MUNICIPAL STATE HIGHWAY PROJECT AGREEMENT

STATE OF SOUTH CAROLINA)
) RESOLUTION
CITY OF NORTH MYRTLE BEACH)

Road/Route: US 17 (North Kings Highway) from MP 24.0 (Conway Street) to MP 26.0 (20th Ave S)
Project ID: P037887
Project: US 17 Corridor Safety Improvements from Conway Street to 20th Ave South

WHEREAS, the South Carolina Department of Transportation (SCDOT) proposes to construct, reconstruct, alter, or improve the certain segments of the highway(s) in the State Highway System referenced above which are located within the corporate limits of the City of North Myrtle Beach (hereinafter, “the City”).

WHEREAS, the City wishes to authorize the construction and improvements of the aforesaid highway(s) in accordance with plans to be prepared by or for SCDOT (“the Project Plans”).

NOW, THEREFORE, BE IT RESOLVED that, pursuant to S.C. Code Ann. §57-5-820 (1991), the City does hereby consent to the construction or improvements of the aforesaid highway(s) within its corporate limits in accordance with the Project Plans. The foregoing consent shall be the sole approval necessary from the City to complete the project under the Project Plans and constitutes a waiver of any and all other requirements with regard to construction within the City's limits. The foregoing waiver and consent shall also extend to the benefit of utility companies engaged in relocating utility lines on account of the project. Further, the City shall exempt all existing and new right-of-way and all other properties purchased in connection with right-of-way for the highway(s) from any general or special assessment against real property for municipal services.

BE IT FURTHER RESOLVED, that the City will assist in causing all water, sewer and gas pipes, manholes, or fire hydrants, and all power or telephone lines or poles located within the existing right-of-way to be relocated at the utility company's expense, except where the utility can demonstrate a prior right of occupancy. To the extent that City-owned utilities are to be relocated, those utility lines and/or appurtenances may be replaced upon the new highway right-of-way at such locations as may be approved by SCDOT. SCDOT shall bear no liability for damages to property or injuries to persons as a consequence of the placing, maintenance, or removal of any utilities by the City or its contractors. Future utility installations by the City within the limits of the new right-of-way after project completion shall be pursuant to a standard utility encroachment permit obtained in the normal course and issued pursuant to SCDOT's "A Policy for Accommodating Utilities on Highway Rights-of-Way."

BE IT FURTHER RESOLVED, that the City hereby signifies its intention to faithfully observe the provisions of Chapter 5, Title 56, Code of Laws of South Carolina, 1976, and all amendments thereto relating to the regulation of traffic on the street, or streets, to be constructed, reconstructed, altered or improved as hereinabove identified and further agrees to refrain from placing or maintaining any traffic control devices upon any section of said street, or streets, without having first obtained written approval of the South Carolina Department of Transportation as required in S.C. Code §56-5-930 (1976, as amended), nor enacting any traffic regulation ordinances inconsistent therewith.

IN WITNESS WHEREOF, this Resolution is adopted and made a part of the Municipal records this 19th day of August 2024, and the original of this Resolution will be filed with the South Carolina Department of Transportation at Columbia.

ATTEST:

Mayor Marilyn Hatley

City Clerk

APPROVED AS TO FORM:

City Attorney

REVIEWED:

City Manager

RESOLUTION: RES 24-05

INDEX OF SHEETS		
SHEET NO.	DESCRIPTION	SUBTOTAL
1	TITLE SHEET	1
2	QUANTITY SHEET	OMITTED
3	TYPICAL SECTIONS	1
4-4B	RIGHT-OF-WAY DATA SHEET	3
4C-4F	PROPERTY STRIP MAP	4
5	GENERAL CONSTRUCTION NOTES	OMITTED
5A	SURVEY CONTROL DATA SHEET	1
5B	REFERENCE DATA SHEET	1
6-9	ROADWAY PLANS	4
D1	DRAINAGE PLANS	OMITTED
TS1-TS5	TRAFFIC SIGNAL PLANS	5
EC1	EROSION CONTROL DATA SHEETS	OMITTED
U1	EXISTING UTILITIES	OMITTED
X1	CROSS SECTIONS	36
		56



South Carolina Department of Transportation

HORRY COUNTY
PROJECT ID P037887
PROPOSED PLANS
CORRIDOR IMPROVEMENTS
US 17 (NORTH KINGS HIGHWAY)

SHEET NO.	TOTAL SHEETS
1	56

NPDES PERMIT INFORMATION	
Disturbed Area =	2.3 Acre(s)
Project Area =	4.3 Acre(s)
Approximate Location of Project is	
Begin	
Latitude	33° 47' 54" N
Longitude	78° 44' 25" W
End	
Latitude	33° 48' 36" N
Longitude	78° 42' 34" W
Hydraulic and NPDES Design provided by:	
AECOM	
Designs may be obtained from the SCDOT Regional Production Group	

Design Reference for these plans is the

2021

SCDOT Roadway Design Manual

Design Reference for these plans is the:

2009

Edition of SCDOT's "Requirements for Hydraulic Design Studies"

3 DAYS BEFORE DIGGING IN SOUTH CAROLINA

CALL 811

SOUTH CAROLINA 811(SC811)
WWW.SC811.COM
ALL UTILITIES MAY NOT BE A MEMBER OF SC811

ENVIRONMENTAL PERMIT INFORMATION			
USACE PERMIT	___YES	☒ NO	
NEPA DOCUMENT	___YES	☒ NO	
401 CERTIFICATION	___YES	☒ NO	
OCRM CAP	___YES	☒ NO	
NAVIGABLE WATERS	___SC	___USCG	___USACE ☒ N/A

TRAFFIC DATA

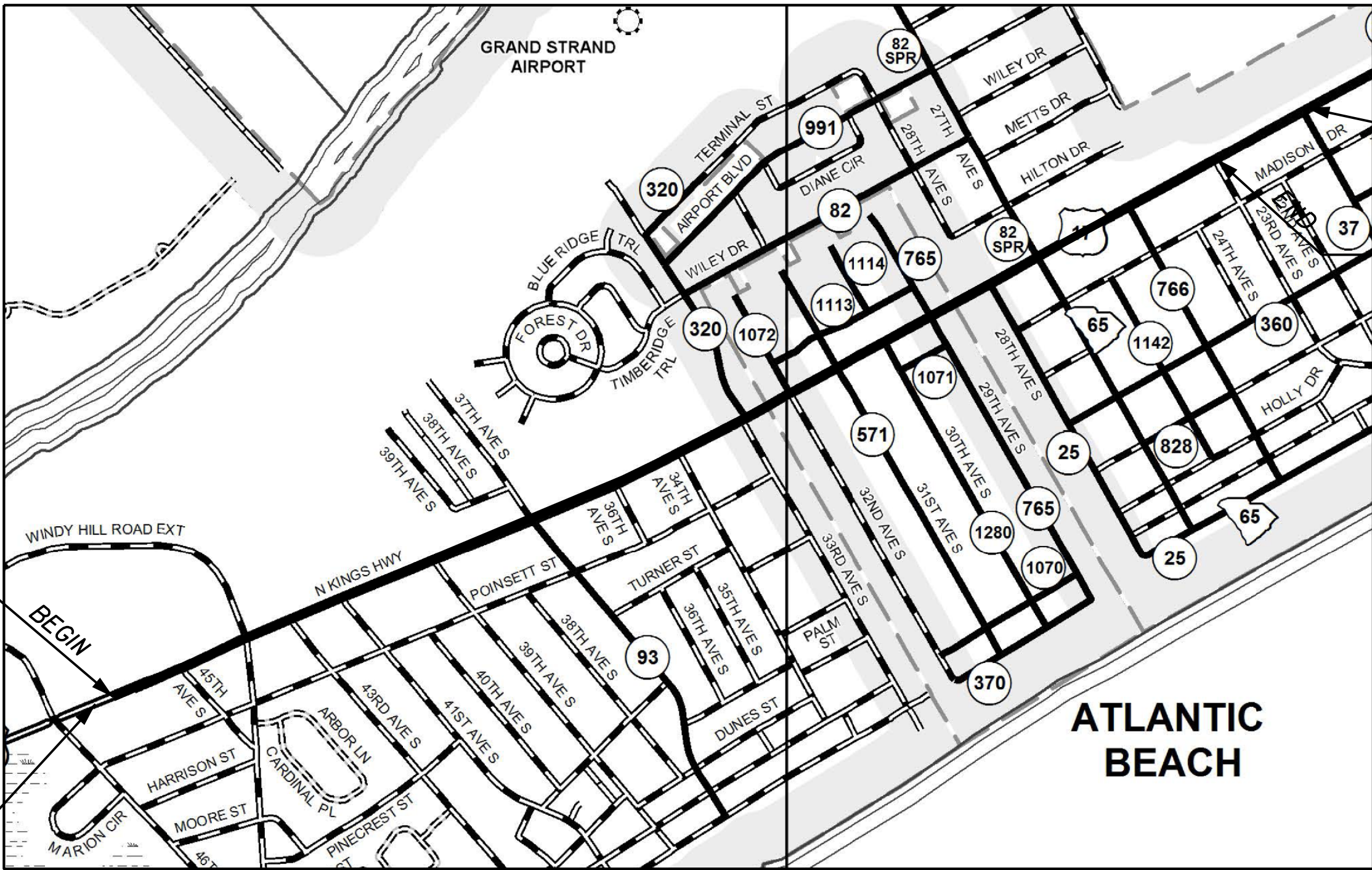
2022 ADT 46,600

2042 ADT 62,800

TRUCKS 1.0%

BEGIN CONSTRUCTION
SURVEY CL US 17 (N.KINGS HWY.)
STA. 387+10.00
PROJECT ID P037887

BEGIN RSA TRAFFIC STUDY
SURVEY CL US 17 (N.KINGS HWY.)
STA. 386+00.00



END RSA TRAFFIC STUDY
SURVEY CL US 17 (N.KINGS HWY.)
STA. 493+90.00

END CONSTRUCTION
SURVEY CL US 17 (N.KINGS HWY.)
STA. 489+55.00
PROJECT ID P037887



RAILROAD INVOLVEMENT?

YES ☒ NO

TOTAL		
NET LENGTH OF ROADWAY	2.044	MILES
NET LENGTH OF BRIDGES	0.000	MILES
NET LENGTH OF PROJECT	2.044	MILES
LENGTH OF EXCEPTIONS	0.000	MILES
GROSS LENGTH OF PROJECT	2.044	MILES

EQUALITIES IN STATIONING
NONE

CONSULTING ENGINEERING FIRM

AECOM

101 Research Drive
Columbia, South Carolina 29203
Telephone (803) 254-4400 ; Fax (803) 771-6676
www.AECOM.com

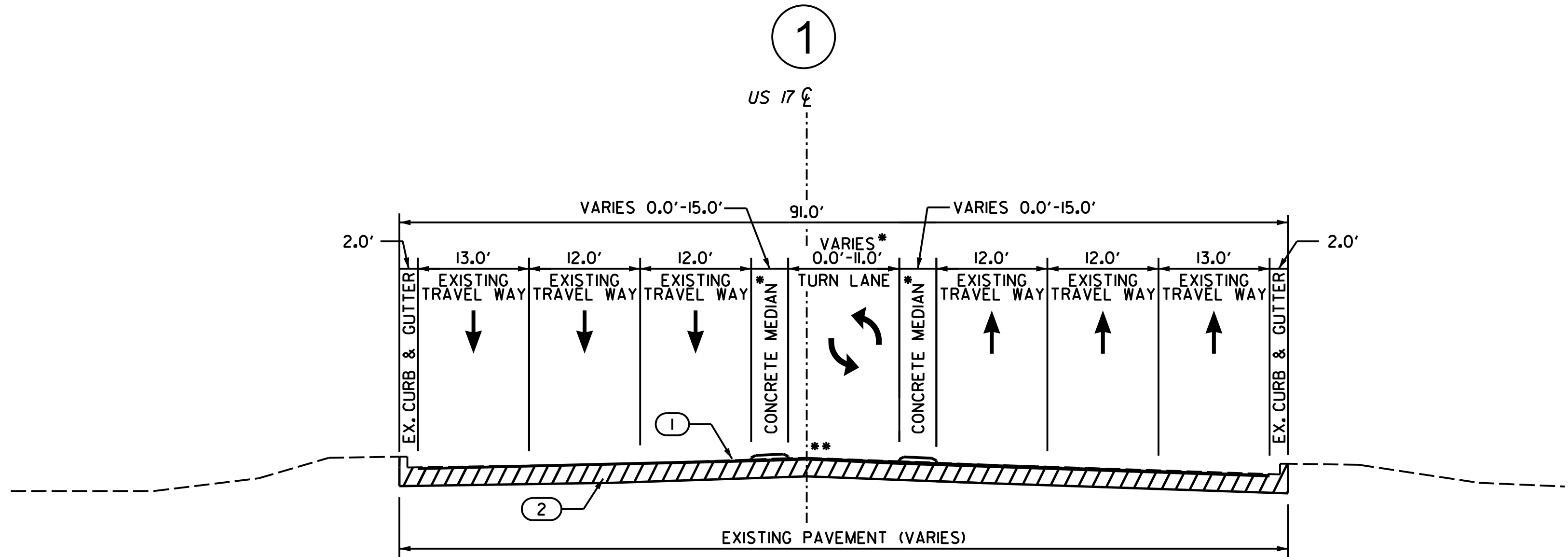
NOTE: EXCEPT AS MAY OTHERWISE BE SPECIFIED ON THE PLANS OR IN THE SPECIAL PROVISIONS, ALL MATERIALS AND WORKMANSHIP ON THIS PROJECT SHALL CONFORM TO THE SOUTH CAROLINA DEPARTMENT OF TRANSPORTATION STANDARD SPECIFICATIONS FOR HIGHWAY CONSTRUCTION (2007 EDITION) AND THE STANDARD DRAWINGS FOR ROAD CONSTRUCTION IN EFFECT AT THE TIME OF LETTING.

ENGINEER OF RECORD

FOR CONSTRUCTION : _____ DATE _____

Z:\Greenville-USORNI\DCS\Projects\TRN\60676956-SCDOT_US17BUS_US 17.RSA\900_CAD_05\910_CAD\US_17\PLAN_SHEETS\US_17_SHT_03.dgn
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FED. ROAD DIV. NO.	STATE	COUNTY	PROJECT ID	ROUTE NO.	SHEET NO.
3	S.C.	GREENVILLE	P037887	US 17	3



USE THIS SECTION ON US 17
FROM STA. 387+10.00 TO STA. 489+55.00

NOTES:

* SEE PLANS FOR CONCRETE MEDIAN AND TURN LANE LOCATIONS AND WIDTHS.

** MILL 2" PRIOR TO PLACEMENT OF SURFACE. DURING MILLING/PAVING OPERATIONS ENSURE POSITIVE DRAINAGE AWAY FROM CENTRAL CONCRETE ISLAND. PAINT FACE OF CURB.

NOTES:

WHERE EXISTING PAVEMENT TO BE REMOVED OUTSIDE THE LIMITS OF THE NEW PAVEMENT, IT SHALL BE CUT TO A SMOOTH VERTICAL FACE. SEE PLANS FOR PAVEMENT REMOVAL AREAS.

SAFTEY EDGE SHALL BE USED THROUGHOUT THE ENTIRE PROJECT AS PER STANDARD SPEC 401.4.23

CURB & GUTTER, MEDIAN CURB, AND DRIVEWAYS ARE TO BE CONSTRUCTED IN ACCORDANCE WITH SCDOT STANDARD DRAWINGS.

VERTICAL FACE CURB & GUTTER TO BE USED FOR ALL CURB & GUTTER CONSTRUCTION UNLESS OTHERWISE NOTED (SEE STD. DWG. 720-105-01).

CONCRETE MEDIANS ARE TO BE CONSTRUCTED IN ACCORDANCE WITH SCDOT STANDARD DRAWINGS 720-105-03 AND 630-215-00.

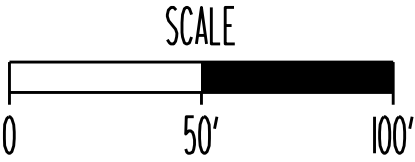
MAINTAIN EXISTING STRIPING AND LANES UNLESS OTHERWISE NOTED ON PLANS.

SAWCUT EXISTING PAVEMENT AND CONCRETE TO SMOOTH VERTICAL FACE AND ALLOW FOR REMOVAL OF EXISTING PAVEMENT AND CONCRETE AND INSTALLATION OF NEW CURB.

TERMINI FOR MILLING AND PAVING OF SIDEROADS SHALL BE AT STOP BAR IF NOT NOTED ON PLANS.

- ① HOT MIX ASPHALT SURFACE COURSE TYPE B (200 LBS/SY)
② EXISTING PAVEMENT
③ FULL DEPTH PAVEMENT PATCHING

US 17			
MPH	FROM STA.	TO STA.	
45	387+10.00	489+55.00	



AECOM

2151 Pickens Street, Suite 301
Columbia, South Carolina 29201
Telephone (803) 254-4400 : Fax (803) 845-4837
www.AECOM.com

4			
3			
2			
1			
REV. NO.	BY	DATE	DESCRIPTION OF REVISION
TOPO.		DATE	
DWG.		DATE	SQUAD -
R/W		DATE	

FUNCTIONAL CLASSIFICATION	
US 17 - URBAN PRINCIPAL ARTERIAL	
SOUTH CAROLINA DEPARTMENT OF TRANSPORTATION ROAD DESIGN COLUMBIA, SC	
HORRY COUNTY US 17 CORRIDOR IMPROVEMENTS TYPICAL SECTIONS	
SCALE: N.T.S.	SHEET NO. 3



RIGHT-OF-WAY DATA SHEET

FED. RD. DIV. NO.	STATE	COUNTY	PROJECT ID	ROUTE/ROAD NO.	SHEET NO.
3	S.C.	HORRY	P037887	US 17	4

TRACT NO.	PROPERTY OWNER	TAX MAP REFERENCE	TOTAL TRACT ACRES	OBTAIN				REMAINDER LEFT ACRES ^	REMAINDER RIGHT ACRES ^	DATE ACQUIRED	TYPE OF INSTRUMENT	PERMISSION (YES)					REMARKS
				OUTFALL DITCH	LEFT	RIGHT	TOTAL					OUTFALL DITCH	SLOPE	DRAINAGE STRUCTURE	EROSION CONTROL	ENTRANCE CONSTRUCTION	
245	BWW SPRINGHOUSE LLC	156-06-04-012	19.42														
246	INSITE BAREFOOT LLC	156-06-02-001	0.76														
247	FAMOUS HOUSE OF PIZZA	156-06-02-003	0.62														
248	CMAC PROPERTIES 205-216 LLC	156-06-02-045	1.45														
249	DEW OIL COMPANY LLC	156-06-02-013	0.59														
250	RB KLIGMAN LLC	156-06-02-014	0.91														
251	ZP NO 107, LLC	156-02-02-002	0.65														
252	ZP NO 107, LLC	156-02-02-001	1.59														
253	LANIADO PROP LLC	PIN# 391-03--01-0009	0.57														
254	MYRTLE BEACH CHRISTIAN RETREAT	156-02-03-005	0.60														
255	BRUNA PROPERTIES	156-02-04-002	1.66														
256	LD PROPERTIES OF NMB INC	156-02-04-001	0.89														
257	WINDY HILL CENTER INC	156-02-05-001	0.55														
258	WINDY HILL CENTER INC	156-02-03-002	0.87														
259	REFUEL OPERATING CO LLC	156-02-05-003	1.92														
260	EMORY EXPRESS FOOD STORE INC	156-02-06-014	0.02														
261	EMORY EXPRESS FOOD STORE INC	156-02-06-001	1.04														
262	PHBN LLC	156-02-06-002	2.09														
263	SHAMAH ISAAC	156-03-01-001	1.05														
264	KALTSOUNIS ANGELA ETAL	156-03-04-001	0.32														
265	DPI GROUP LLC	156-03-04-004	2.74														
266	GELADAKIS COSTAS S & URANIA	156-03-05-039	0.66														
267	GELADAKIS COSTAS S & URANIA	156-03-05-038	0.52														
268	WEBSTER WILLIAM T	156-03-05-001	0.46														
269	MORRISBEN LLC	156-03-10-007	0.21														
270	BENEZRA MOTI	156-03-10-003	0.87														
271	TYSON WILLIAM WESLEY TRUSTEE	156-03-10-002	0.23														
272	TYSON WILLIAM WESLEY TRUSTEE	156-03-10-001	0.25														
273	LB LAND LLC	156-03-15-001	0.67														
274	LB LAND LLC	156-03-15-072	0.19														
275	NAMIRANIAN FARSHID ETAL	156-03-15-077	0.31														
276	PRIDGEN SARAH GORE	156-03-16-001	0.22														
277	GORE DANIEL VINCENT	156-03-16-002	0.14														
278	SEVENTEEN SOUTH LLC	156-03-16-003	0.19														
279	SEVENTEEN SOUTH LLC	156-03-16-067	0.17														
280	SEVENTEEN SOUTH LLC	156-03-16-068	0.17														
281	SEVENTEEN SOUTH LLC	156-03-16-069	0.17														
282	WILKES HATTIE P ETAL	156-03-19-001	0.15														
283	TILDEEA HEALTH & BEAUTY BAR LLC	156-03-19-002	0.16														
284	CAIN HAROLD D & LINDA W	156-03-19-003	0.18														
285	CAIN HAROLD D & LINDA W	156-03-19-075	0.05														
286	CAIN HAROLD D & LINDA W	156-03-19-073	0.16														
287	98SS LLC	156-03-19-076	0.09														
288	ATLANTIC BEACH CENTER LLC	156-03-22-001	0.45														
289	ATLANTIC BEACH CENTER LLC	156-03-22-002	0.46														

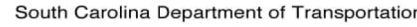
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R/W NOTE: THE DEPARTMENT WILL UTILIZE THE PRESENT RIGHT
OF WAY AS SHOWN BELOW EXCEPT AS OTHERWISE SHOWN ON PLANS.

[illegible]

NOTES:

A. SHOW REMAINDER IN SQUARE FEET WHEN LESS THAN 0.25 ACRE.



RIGHT-OF-WAY DATA SHEET

FED. RD. DIV. NO.	STATE	COUNTY	PROJECT ID	ROUTE/ROAD NO.	SHEET NO.
3	S.C.	HORRY	P037887	US 17	4A

TRACT NO.	PROPERTY OWNER	TAX MAP REFERENCE	TOTAL TRACT ACRES	OBTAIN				REMAINDER LEFT ACRES ^	REMAINDER RIGHT ACRES ^	DATE ACQUIRED	TYPE OF INSTRUMENT	PERMISSION (YES)					REMARKS
				OUTFALL DITCH	LEFT	RIGHT	TOTAL					OUTFALL DITCH	SLOPE	DRAINAGE STRUCTURE	EROSION CONTROL	ENTRANCE CONSTRUCTION	
290	BARRIER LIMITED PARTNERSHIP	156-03-26-001	0.50														
291	CITY OF NORTH MYRTLE BEACH	156-03-26-079	3.46														
292	MXR PROPERTIES LLC	156-03-26-077	0.58														
293	FLOWER CITY ENTERPRISES LLC	156-03-27-001	1.79														
294	DODGE FAMILY LTD PTNSHP ETAL	156-03-34-001	2.88														
295	MCDANIEL HENRY EARLE	156-03-34-006	0.58														
296	WY PARTNERS LLC	156-04-02-036	0.18														
297	2421 NMB OFFICE BUILD LLC	156-04-02-035	0.17														
298	MELSAM LEGACY LIMITED PARTNERSHIP	143-15-14-002	0.27														
299	MELSAM LEGACY LIMITED PARTNERSHIP	143-16-01-003	0.14														
300	SMITH INVESTMENT HOLDINGS LLC	143-16-01-005	1.76														
301	MAJESTIC PROP-GRAND STRAND INC	143-16-02-001	2.08														
302	HOLMES LAURIN THOMAS	143-16-02-004	1.39														
303	PEARSON BETRAM J ETAL	143-16-05-003	0.74														
304	STEF PROPERTIES MB LLC	143-16-05-001	0.47														
305	20TH CENTURY KITCHEN INC	143-16-05-002	1.32														
306	4 MARTINS LLC	143-16-29-051	0.97														
307	BARRIER LIMITED PARTNERSHIP	143-16-29-016	0.59														
308	HARTFORD GROUP LLC THE	143-00-01-030	9.74														
309	DINO'S PANCAKE HOUSE LLC	143-16-29-014	0.73														
310	DINO'S PANCAKE HOUSE LLC	143-16-29-012	0.34														
311	DINO'S PANCAKE HOUSE LLC	143-16-29-011	0.21														
312	KEENER LARRY D & ROBBIN M	143-16-29-010	0.37														
313	BBGT LLC	143-16-29-009	0.18														
314	BBGT LLC	143-16-29-008	0.18														
315	BBGT LLC	143-16-29-007	1.56														
316	MUNAFO DOMINC	143-15-09-013	0.18														
317	T&M INC	143-15-09-014	0.46														
318	ROWELL MARSHALL EDWIN & DEBRA M	143-15-09-015	0.71														
319	SCPSA	143-15-09-017	0.36														
320	M&T ENTERPRISES INC	156-03-35-006	0.36														
321	GOLASA ISRAEL	156-03-35-004	0.18														
322	ROSZEL JAMIE SCOTT ETAL	156-03-35-002	0.57														
323	CITY OF NORTH MYRTLE BEACH	156-03-35-001	0.18														
324	SWEET PLAZA LLC	156-03-36-020	0.88														
325	T.E.A. INVESTMENT LLC	PIN# 35716010106	1.19														
326	FIRST BAPTIST CHRUCH- OF ATLANTIC	156-03-36-012	0.18														
327	FIRST BAPTIST CHRUCH- OF ATLANTIC	156-03-36-011	0.18														
328	GRAHAM JUAN ANTONIO ETAL	156-03-36-010	0.15														
329	ISOM JOESPHINE HEMINGWAY	156-03-37-001	0.15														
330	ISOM JOESPHINE HEMINGWAY	156-03-37-002	0.17														
331	IBRAHIM ISSAKA	156-03-37-003	0.17														
332	IBRAHIM ISSAKA	156-03-37-004	0.17														
333	BACKBAY GROUP INC	156-03-37-005	0.49														
334	DOG LEG RIGHT LLC	156-03-37-009	0.10														

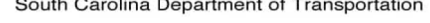
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R/W NOTE: THE DEPARTMENT WILL UTILIZE THE PRESENT RIGHT
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[illegible]

NOTES:

A. SHOW REMAINDER IN SQUARE FEET WHEN LESS THAN 0.25 ACRE.



RIGHT-OF-WAY DATA SHEET

FED. RD. DIV. NO.	STATE	COUNTY	PROJECT ID	ROUTE/ROAD NO.	SHEET NO.
3	S.C.	HORRY	P037887	US 17	4B

TRACT NO.	PROPERTY OWNER	TAX MAP REFERENCE	TOTAL TRACT ACRES	OBTAIN				REMAINDER LEFT ACRES ^	REMAINDER RIGHT ACRES ^	DATE ACQUIRED	TYPE OF INSTRUMENT	PERMISSION (YES)					REMARKS
				OUTFALL DITCH	LEFT	RIGHT	TOTAL					OUTFALL DITCH	SLOPE	DRAINAGE STRUCTURE	EROSION CONTROL	ENTRANCE CONSTRUCTION	
335	DOG LEG RIGIT LLC	156-03-37-010	0.08														
336	DOG LEG RIGHT LLC	156-03-37-018	0.15														
337	DOG LEG RIGHT LLC	156-03-37-012	0.18														
338	DOG LEG RIGHT LLC	156-03-37-013	0.18														
339	SHORELINE PROPERTIES LLC	156-03-37-014	0.18														
340	SHORELINE PROPERTIES LLC	156-03-41-001	0.19														
341	MCFADDEN ESCO & PATRICIA MALLETT	156-03-41-002	0.18														
342	GUY PROPERTIES LLC	156-03-41-004	0.52														
343	EAST COAST CONNECTION LLC	156-03-41-006	0.16														
344	VOLUNTEER MARKETINF & REALTY INC	156-03-42-022	0.38														
345	VOLUNTEER MARKETINF & REALTY INC	156-03-42-021	0.21														
346	BRUNA PROPERTIES	156-03-42-001	1.59														
347	BRUNA PROPERTIES	156-03-44-001	0.94														
348	NORTH VILLAGE CENTER LLC	156-03-44-002	7.18														
349	WINDY HILL CENTER INC	156-03-44-004	6.13														
350	T J PROPERTY LLC	156-03-44-006	1.38														
351	3610 HYW 17S LLC	156-02-01-012	0.67														
352	3702 HYW 17S LLC	156-02-10-065	0.39														
353	BUFFKIN ROBERT G	156-02-10-043	0.30														
354	BUFFKIN ROBERT G	156-02-10-042	0.43														
355	BUFFKIN ROBERT G	156-02-10-009	0.34														
356	SRE NORTH MYRTLE LLC	156-02-10-013	0.70														
357	ALLJEN PROPERTIES LLC	156-02-01-064	0.78														
358	3900 KINGS LLC	156-02-01-063	0.79														
359	JMQ PROPERTIES II, LLC	156-02-01-062	0.84														
360	SUSO 4 BAREFOOT LP	156-02-01-003	9.66														
361	SCHOONOVER ASSET MANAGEMENT I LLC	156-02-01-054	2.65														
362	NORTHSIDE BUILDING GROUP LLC	156-02-01-061	1.22														
363	PLJ MYRTLE BEACH LLC	156-02-01-052	1.97														
364	SANDHILLS BANK	156-02-01-002	1.04														
365	WINDY HILL CENTER INC	156-02-01-056	0.95														
366	HORRY COUNTY/AIRPORT COMM	156-02-01-001	15.65														
367	PRESTONS LAND HOLDINGS LLC	156-02-01-060	2.13														
368	NORTH MYRTLE BEACH CITY OF	156-06-01-006	0.04														
369	BAREFOOT ZOO LLC	156-02-01-066	0.59														
370	BAREFOOT ZOO LLC	156-06-01-007	12.00														
371	DUPLIN WINE CELLARS INC	156-06-01-003	1.99														
372	HORRY LAND COMPANY INC	181-13-22-065	0.31														
373	HORRY LAND COMPANY INC	181-13-22-064	0.44														

[illegible]

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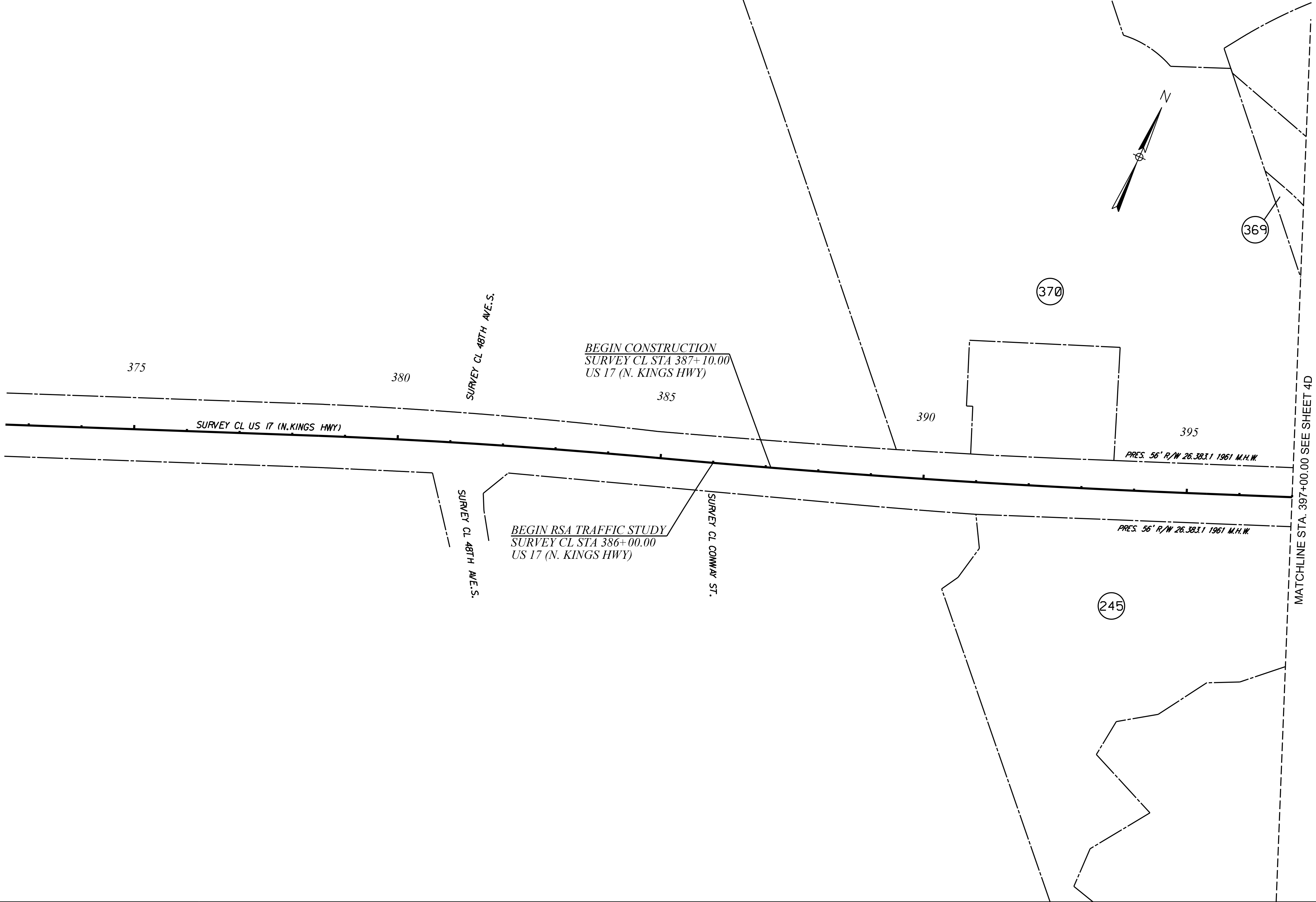
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NOTES:

A. SHOW REMAINDER IN SQUARE FEET WHEN LESS THAN 0.25 ACRE.

R:\DCS\Projects\TRN\60676956.SCDOT_US17BUS_US_17.RSA\900.CAD\US_17\PLAN.SHEETS\US_17_SHT_04C.dgn
5/8/2024
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FED. ROAD DIV. NO.	STATE	COUNTY	PROJECT ID	ROUTE NO.	SHEET NO.
3	S.C.	HORRY	P037887	US 17	4C



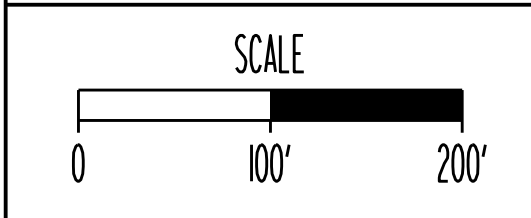
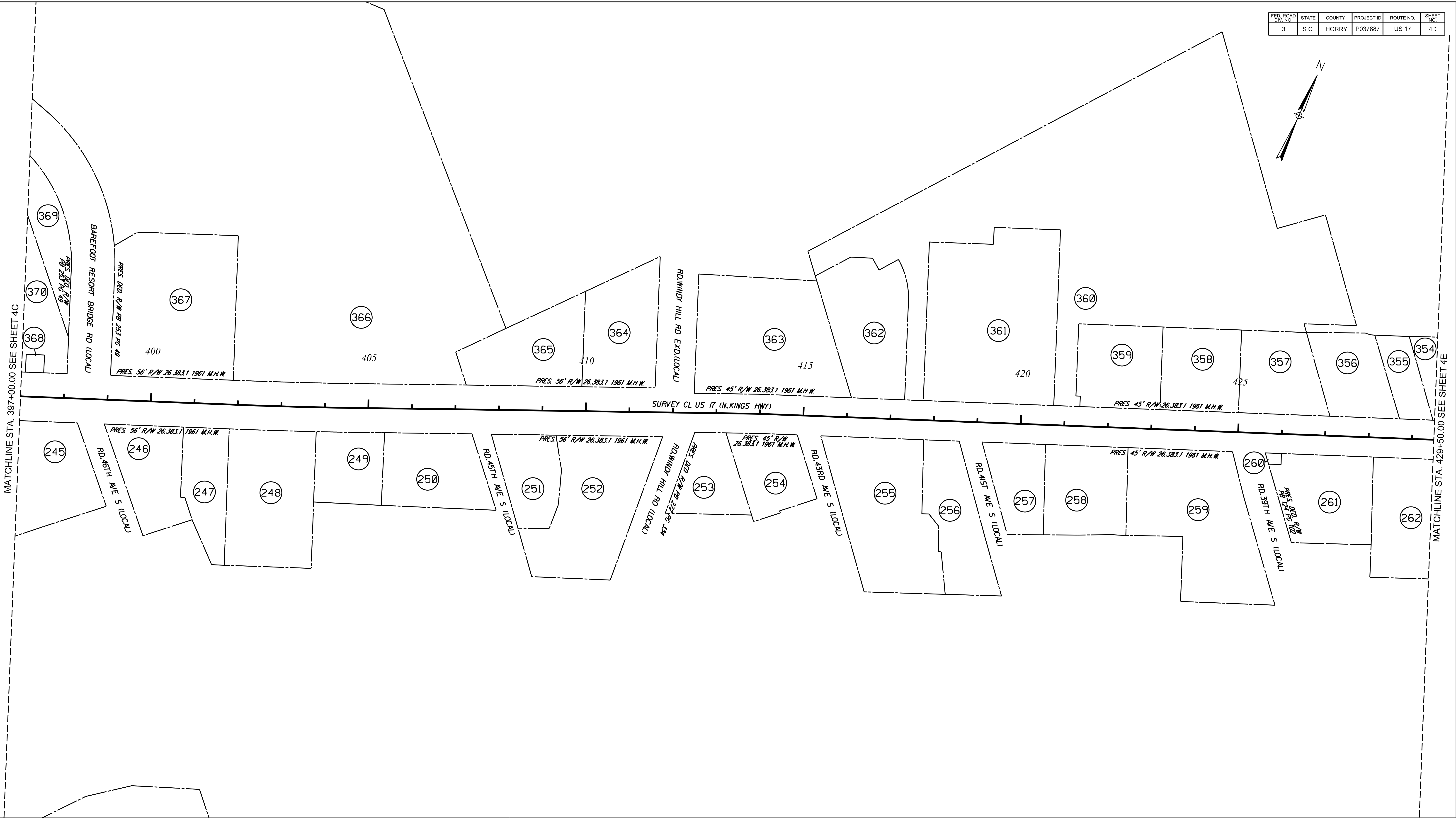
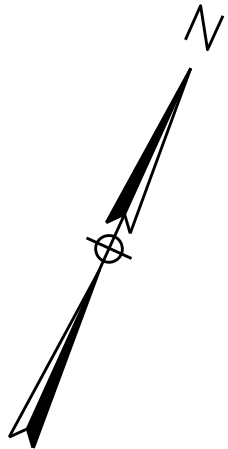
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SOUTH CAROLINA DEPARTMENT OF TRANSPORTATION ROAD DESIGN COLUMBIA, SC
HORRY COUNTY US 17 CORRIDOR IMPROVEMENTS PROPERTY STRIP MAP STA. 386+00.00 TO STA. 397+00.00
SCALE: 1" = 100' SHEET NO. 4C

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FED. ROAD DIV. NO.	STATE	COUNTY	PROJECT ID	ROUTE NO.	SHEET NO.
3	S.C.	HORRY	P037887	US 17	4D

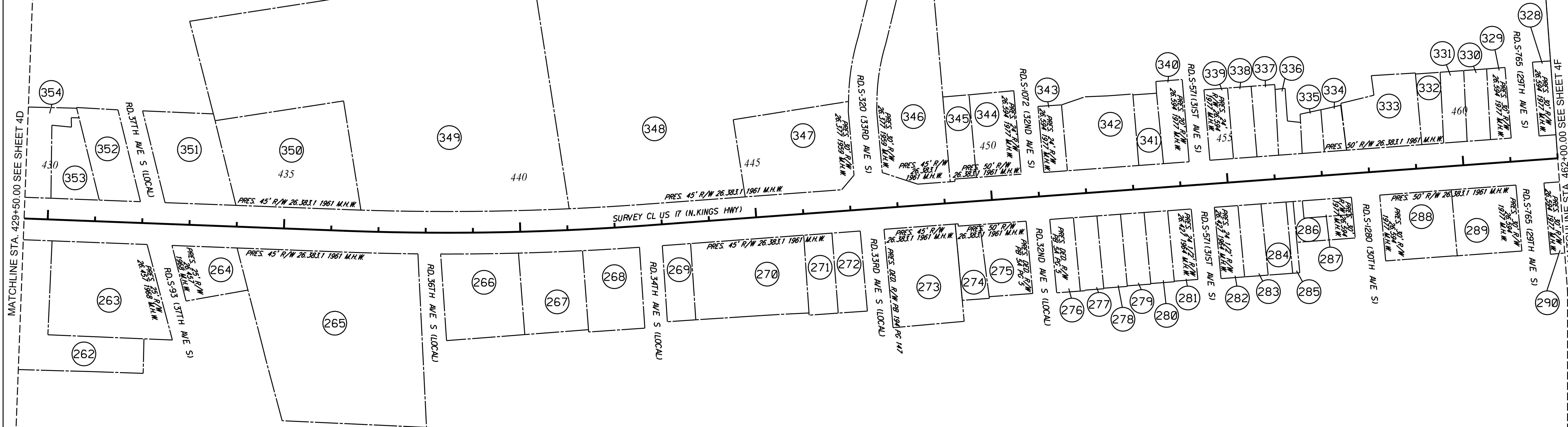
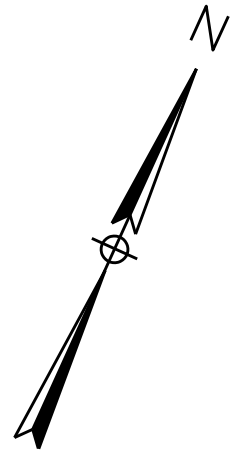


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SOUTH CAROLINA DEPARTMENT OF TRANSPORTATION ROAD DESIGN COLUMBIA, SC	
HORRY COUNTY US 17 CORRIDOR IMPROVEMENTS PROPERTY STRIP MAP STA. 404+90.00 TO STA. 429+50.00	
SCALE: 1" = 100'	SHEET NO. 4D

FED. ROAD DIV. NO.	STATE	COUNTY	PROJECT ID	ROUTE NO.	SHEET NO.
3	S.C.	HORRY	P037887	US 17	4E



MATCHLINE STA. 429+50.00 SEE SHEET 4D

PREP 30' R/W
1027' H/W
--+-- COLL LINE STA 462+00.00 SEE SHEET 4F

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SOUTH CAROLINA
DEPARTMENT OF TRANSPORTATION
ROAD DESIGN COLUMBIA, SC

HORRY COUNTY
US 17 CORRIDOR IMPROVEMENTS
PROPERTY STRIP MAP
STA. 429+50.00 TO STA. 462+00.00

SCALE: 1" = 100'

SHEET NO. 4F

https://ipwco.sharepoint.com/sites/Surveying/Shared Documents/Jobs/2022/S-22-027 US17 Harry County/_04 Survey Data/[S-22-027_SCDs.xlam]SCDS 5A

FED. RD. DEV. NO.	STATE	COUNTY	PROJECT ID	ROAD/ROUTE NO.	SHEET NO.
3	SC	HORRY		US 17	5A

PROPERTY MONUMENTS FOUND					
ALIGNMENT	STATION	OFFSET	NORTHING	EASTING	DESCRIPTION
US17-26.357-1	151+06.62	-67.83	672540.62	2632881.83	1 OTP
US17-26.357-1	145+60.80	-68.03	672905.37	2633287.88	0.5 OTP
US17-26.357-1	143+61.45	-74.45	673033.86	2633440.43	IRON PIN
US17-26.357-1	139+61.59	-67.76	673306.14	2633733.32	MAG
US17-26.357-1	141+11.65	-67.75	673205.84	2633621.72	4 RBF
US17-26.357-1	118+36.88	-67.89	674726.56	2635313.49	1 OTP DIST
US17-26.357-1	121+84.00	-65.60	674496.15	2635053.84	4 OTP DIST
US17-26.357-1	124+57.24	-68.37	674311.39	2634852.52	0.5 OTP
US17-26.357-1	126+57.61	-68.11	674177.60	2634703.36	0.5 OTP
US17-26.357-1	137+31.92	-67.37	673459.95	2633903.88	0.5 OTP
US17-26.357-1	113+60.95	-68.27	675044.50	2635667.62	1 OTP
US17-26.357-1	114+23.68	-68.78	675002.18	2635621.32	0.5 OTP
US17-26.357-1	116+07.43	-68.32	674879.66	2635484.38	1 OTP
US17-26.357-1	113+09.95	-68.56	675078.39	2635705.74	1 OTP
US17-26.357-1	110+89.27	-67.46	675226.78	2635869.09	4 RBF
US17-26.357-1	109+09.80	-66.98	675347.14	2636002.22	4 RBF
US17-26.357-1	106+58.68	-66.52	675514.92	2636188.37	MAG WASHER
US17-26.357-1	102+24.59	-55.66	675801.75	2636511.76	4 OTP
US17-26.357-1	107+65.06	80.00	675553.21	2636011.57	DISK RB
US17-26.357-1	116+46.30	80.09	674964.02	2635356.24	4 RBF
US17-26.357-1	118+46.33	81.63	674831.42	2635206.48	2 OTP
US17-26.357-1	120+96.07	80.64	674663.69	2635021.44	4 RBF
US17-26.357-1	122+45.92	80.96	674563.72	2634909.80	1 OTP
US17-26.357-1	130+65.87	80.23	674014.95	2634300.61	1 OTP
US17-26.357-1	133+40.78	80.14	673831.11	2634096.20	1 OTP
US17-26.357-1	136+15.70	80.23	673647.42	2633891.66	RB DISK
US17-26.357-1	150+45.40	80.00	672691.48	2632828.53	RB DISK
US17-26.357-1	124+45.88	80.85	674429.94	2634761.20	1 OTP
US17-26.357-1	143+25.52	80.00	673172.74	2633363.89	DISK RB
US17-26.446	6+52.09	49.85	683445.12	2644028.45	SCRIBE
US17-26.446	11+68.99	49.41	683818.77	2644394.46	1 OTP
US17-26.446	14+85.29	-71.20	684130.62	2644526.16	4 RBF
US17-26.446	14+92.92	-89.60	684148.85	2644518.16	1 OTP DIST
US17-26.446	10+38.69	-50.24	683793.62	2644232.36	MAG
US17-26.446	7+35.81	-50.29	683575.36	2644023.16	4_OTP
US17-26.446	19+10.15	-51.50	684423.80	2644834.29	MAG
US17-26.446	25+29.27	50.61	684800.25	2645336.30	1 OTP
US17-26.446	27+82.35	-49.23	685052.07	2645439.27	8 IRON PIN
US17-26.446	25+29.58	-49.51	684869.73	2645264.22	4 RBF
US17-26.446	23+49.62	-49.46	684739.74	2645139.76	1 OTP
US17-26.446	17+09.27	49.85	684208.63	2644768.51	1 OTP
US17-26.446-2	3+02.76	51.19	685445.78	2645955.49	2 OTP
US17-26.446-2	3+00.26	-49.22	685513.44	2645881.25	2 OTP
US17-26.446-2	5+40.81	-49.23	685687.16	2646047.65	1 OTP
US17-26.446-2	11+61.23	-49.32	686135.24	2646476.77	1 OTP
US17-26.446-2	12+14.65	-54.17	686177.17	2646510.21	4 RBF
US17-26.446-2	15+22.70	-50.00	686396.74	2646726.32	2 OTP
US17-26.446-2	16+80.41	-49.66	686510.40	2646835.66	4 RBF
US17-26.446-2	18+61.35	-48.89	686640.52	2646961.38	RR SPIKE
US17-26.446-2	15+20.38	54.87	686322.52	2646800.44	4 RBF
US17-26.446-2	21+95.86	-49.41	686882.45	2647192.40	1 OTP
US17-26.446-2	19+78.56	-49.68	686725.71	2647041.89	IRON PIN
US17-26.446-2	25+64.17	50.52	687079.29	2647519.35	MAG
US17-26.446-2	28+14.42	49.56	687260.66	2647691.77	IP
US17-26.446-2	28+14.80	50.31	687260.42	2647692.58	IP
US17-26.446-2	29+63.35	50.20	687367.77	2647795.25	1 OTP
US17-26.446-2	31+13.32	50.40	687475.93	2647899.14	5 RBF DIST
US17-26.446-2	32+63.36	50.54	687584.18	2648003.03	5 RBF
US17-26.446-2	42+81.36	49.78	688319.83	2648706.69	RB CAP
US17-26.446-2	48+75.19	49.76	688748.67	2649117.46	4 RBF
US17-26.446-2	50+25.20	49.85	688856.94	2649221.29	MAG
US17-26.446-2	53+73.23	49.60	689108.44	2649461.87	4 RBF
US17-26.446-2	54+55.21	49.58	689167.64	2649518.56	4 RBF
US17-26.505	92+34.52	-40.86	676463.50	2637250.66	IRON PIN
US17-26.505	83+48.41	-37.31	677058.51	2637907.30	5 RBF
US17-26.505	82+35.83	-37.85	677133.37	2637991.38	2 OTP
US17-26.505	81+66.93	-37.56	677179.65	2638042.43	4 RBF
US17-26.505	79+57.64	-37.68	677319.46	2638198.16	0.5 OTP
US17-26.505	76+78.77	-43.73	677501.39	2638409.60	4 RBF
US17-26.505	75+33.17	-37.99	677603.00	2638514.05	4 OTP FLAGGED
US17-26.505	74+74.97	-37.00	677642.64	2638556.67	RR SPIKE
US17-26.505	73+19.01	-46.93	677739.52	2638679.30	IRON PIN
US17-26.505	71+73.64	-37.50	677843.71	2638781.11	0.5 OTP
US17-26.505	71+13.68	-37.62	677883.70	2638825.78	0.5 OTP
US17-26.505	68+20.61	-37.75	678079.52	2639043.83	0.5 OTP
US17-26.505	65+03.06	-37.86	678291.73	2639280.06	0.5 OTP
US17-26.505	60+03.51	-37.84	678625.69	2639651.57	0.5 OTP
US17-26.505	52+04.36	-37.32	679160.32	2640245.55	0.5 OTP
US17-26.505	50+03.61	-37.24	679294.58	2640394.80	0.5 OTP
US17-26.505	47+93.80	-37.08	679434.95	2640550.73	0.5 OTP

SURVEY CONTROL POINTS							
POINT ID	ALIGNMENT	STATION	OFFSET	NORTHING	EASTING	ELEV.	DESCRIPTION
1001	US17-26.357-1	149+70.55	59.53	672726.2980	2632897.8740	14.90	TGT
1002	US17-26.357-1	147+32.68	-127.19	672746.4590	2633199.6100	18.94	TGT
1003	US17-26.357-1	133+59.17	131.23	673856.8270	2634048.3650	20.54	TGT
1004	US17-26.357-1	118+20.72	-93.67	674718.1880	2635342.7330	25.13	TGT
1005	US17-26.357-1	103+96.25	397.10	676039.7900	2636090.0980	25.72	TGT
1006	US17-26.505	89+19.64	-159.27	676585.9360	2637564.0000	20.51	TGT
1007	US17-26.505	75+27.20	168.97	677760.9040	2638380.1370	23.30	TGT
1008	US17-26.505	60+53.77	-151.02	678507.9240	2639689.8500	18.55	TGT
1009	US17-26.505	45+92.53	211.57	679754.4260	2640534.1930	9.78	TGT
1010	US17-26.505	41+81.75	-346.69	679613.8540	2641212.8870	5.73	TGT
1011	US17-26.505	31+77.47	162.95	680736.4180	2641497.8680	14.27	TGT
1013	US17-26.505	16+70.84	-66.93	681794.3530	2642595.0010	23.46	TGT
1014	US17-26.446	7+47.09	383.62	683282.9160	2644343.9550	28.12	TGT
1015	US17-26.446	22+56.97	-424.29	684932.1260	2644804.9930	29.60	TGT
1016	US17-25.446-2	7+01.47	446.19	685460.4610	2646516.5430	23.12	TGT
1017	US17-25.446-2	20+98.97	-227.79	686935.8750	2646996.5710	22.89	TGT
1018	US17-25.446-2	35+01.76	230.88	687631.5800	2648298.1780	12.15	TGT
1019	US17-25.446-2	45+64.31	-223.67	688713.3230	2648704.9600	22.69	TGT
1020	US17-25.446-2	OffChain	OffChain	689313.2460	2649948.3940	25.57	TGT
1021	US17-25.446-2	OffChain	OffChain	689526.9740	2649527.8890	29.04	TGT
2022	US17-COASTAL_01	OffChain	OffChain	722734.8990	2687359.4830	7.60	TGT
2023	US17-COASTAL_01	0+00.00	-186.33	723072.3980	2687458.4080	12.24	TGT
2024	US17-COASTAL_01	0+00.00	248.97	723193.6610	2688844.2410	28.66	TGT
2025	US17-COASTAL_01	0+00.00	-171.83	724044.8130	2689801.8440	25.09	TGT
2026	US17-COASTAL_01	0+00.00	365.80	724091.0650	2691317.5700	28.23	TGT
2027	US17-COASTAL_01	0+00.00	-255.63	725021.4200	2691753.6630	24.95	TGT
2028	US17-COASTAL_01	0+00.00	210.19	725224.9560	2693094.6880	29.88	TGT
2029	US17-COASTAL_01	0+00.00	-135.57	726118.9750	2694006.9470	30.05	TGT
2030	US17-COASTAL_01	OffChain	OffChain	726911.1480	2695375.9500	29.51	TGT
2031	US17-COASTAL_01	0+00.00	211.30	726506.4620	2695436.1740	29.88	TGT

PROJECT BENCHMARKS							
POINT ID	ALIGNMENT	STATION	OFFSET	NORTHING	EASTING	ELEV.	DESCRIPTION
4020	US17-26.505	50+03.54	49.89	679359.4200	2640336.6050	9.43	GEO
5019	US17-26.466	25+06.92	52.60	684782.7290	2645322.2800	26.51	GEO
6002	US17-26.466-2	42+34.03	-51.74	688355.8850	2648600.6380	23.62	GEO
6014	US17-COASTAL_01	408+01.51	53.30	723194.4340	2688357.9230	25.70	GEO
6013	US17-COASTAL_01	411+72.68	55.87	723340.8860	2688698.9910	26.06	GEO
7030	US17-COASTAL_01	469+50.92	-46.04	725933.3340	2693854.4330	30.57	GEO

NOTES:		 SOUTH CAROLINA DEPARTMENT OF TRANSPORTATION	SURVEY CONTROL DATA	
1. The alignment Station and Offset are referenced to the existing Survey Centerline. 2. Date of Survey: MARCH 2022			PROJECT DESCRIPTION	
The Property Monuments Found listed on this sheet are assumed to be property corner monuments, field located during the course of this survey. The Department makes no claim that these located monuments are the true position of any property and takes no responsibility for this information being used as such. These monuments are tied to the control of this project in an effort to document and preserve their location in the event they are disturbed or destroyed during the construction of the project.			SAFETY IMPROVEMENTS/ RSA	
			DATUM DESCRIPTION	
			This GRID Coordinate System developed for this project is based on NAD83(2011) South Carolina State Plane Coordinate System. A Combined Scale Factor (CSF) for each Survey Control Point must be computed and applied to horizontal ground distances. Elevations for this project are based on NAVD88 for 1020 with an Elevation of 7.80	

FED. ROAD DIV. NO.	STATE	COUNTY	PROJECT ID	ROUTE NO.	SHEET NO.
3	S.C.	HORRY	P037887	US 17	5B

Beginning chain US17 description

Point 100 N 722,821.1724 E 2,687,336.4280 Sta 397+15.89

Course from 100 to PC US171 N 67° 44' 53.82" E Dist 479.3869

Curve Data

Curve US171			
P.I. Station	403+63.19 N	723,066.2880 E	2,687,935.5193
Delta =	1° 40' 44.29" (LT)		
Degree =	0° 30' 00.00"		
Tangent =	167.9091		
Length =	335.7941		
Radius =	11,459.1559		
External =	1.2301		
Long Chord =	335.7821		
Mid. Ord. =	1.2300		
P.C. Station	401+95.28 N	723,002.7048 E	2,687,780.1145
P.T. Station	405+31.07 N	723,134.3972 E	2,688,088.9943
C.C.	N 733,608.4878 E	2,683,440.8034	
Back = N	67° 44' 53.82" E		
Ahead = N	66° 04' 09.53" E		
Chord Bear = N	66° 54' 31.68" E		

Course from PT US171 to 101 N 66° 13' 06.19" E Dist 187.5559

Point 101 N 723,210.0294 E 2,688,260.6247 Sta 407+18.63

Course from 101 to 102 N 66° 21' 53.72" E Dist 676.3398

Point 102 N 723,481.1808 E 2,688,880.2314 Sta 413+94.97

Course from 102 to PC US172 N 67° 42' 13.13" E Dist 2,230.4426

Curve Data

Curve US172			
P.I. Station	439+47.65 N	724,449.6600 E	2,691,242.0559
Delta =	6° 25' 10.50" (LT)		
Degree =	0° 59' 49.72"		
Tangent =	322.2357		
Length =	643.7971		
Radius =	5,745.9881		
External =	9.0284		
Long Chord =	643.4604		
Mid. Ord. =	9.0143		
P.C. Station	436+25.41 N	724,327.4046 E	2,690,943.9125
P.T. Station	442+69.21 N	724,604.4837 E	2,691,524.6607
C.C.		729,643.7874 E	2,688,763.9004
Back = N 67° 42' 13.13" E			
Ahead = N 61° 17' 02.63" E			
Chord Bear = N 64° 29' 37.88" E			

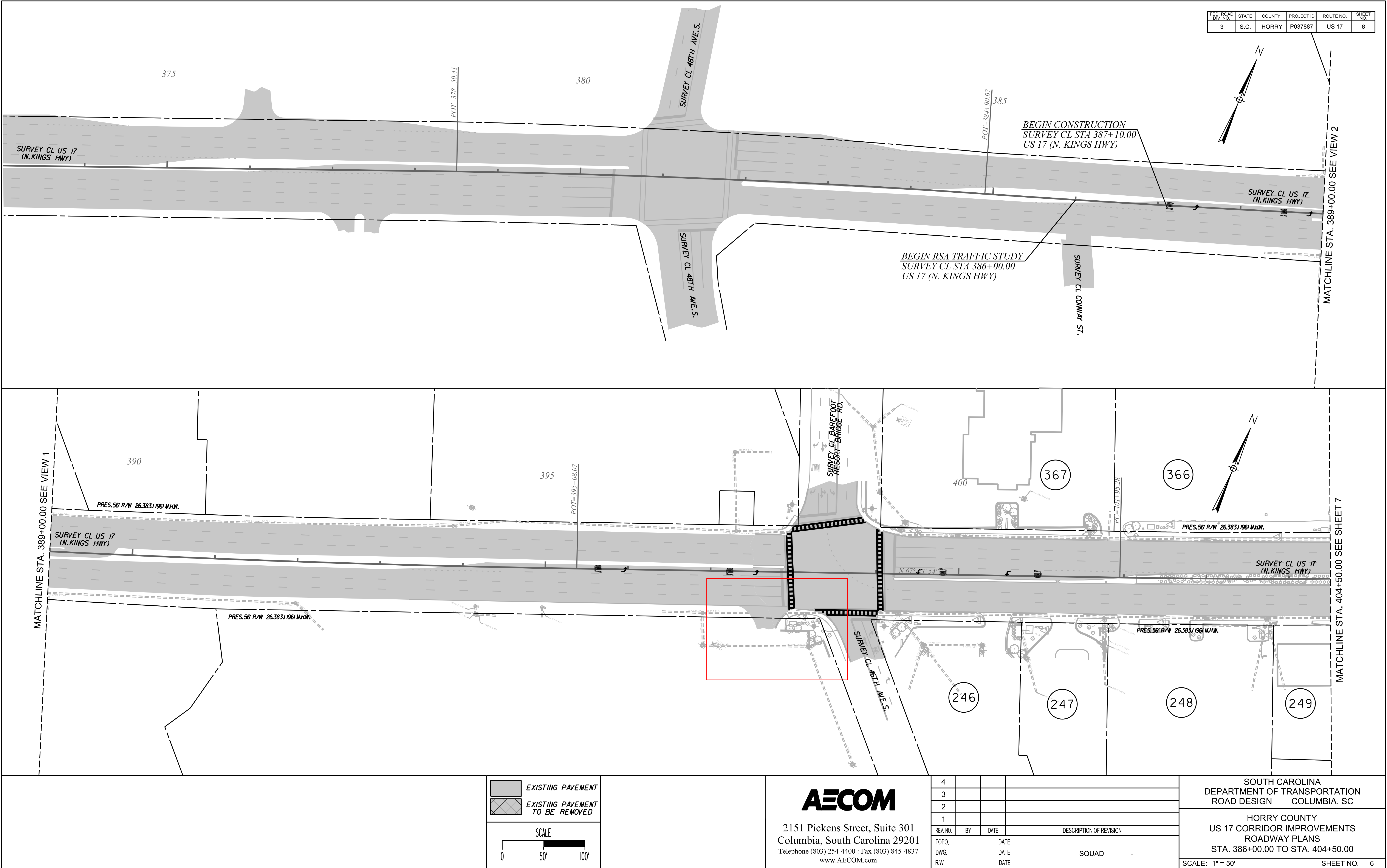
Course from PT US172 to 103 N 61° 17' 02.63" E Dist 4,405.1547

Point 103 N 726,721.0172 E 2,695,388.0367 Sta 486+74.36

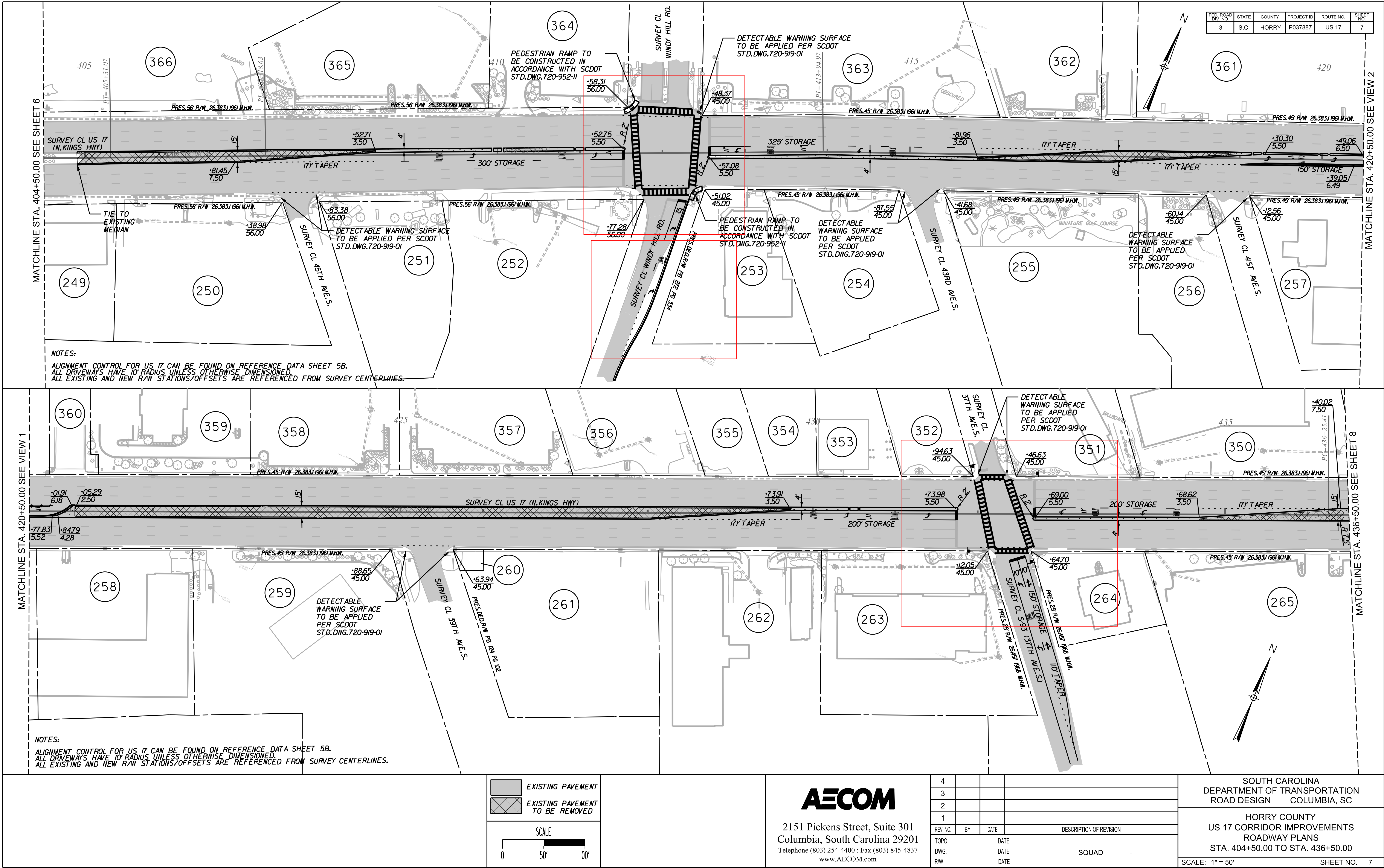
Ending chain US17 description

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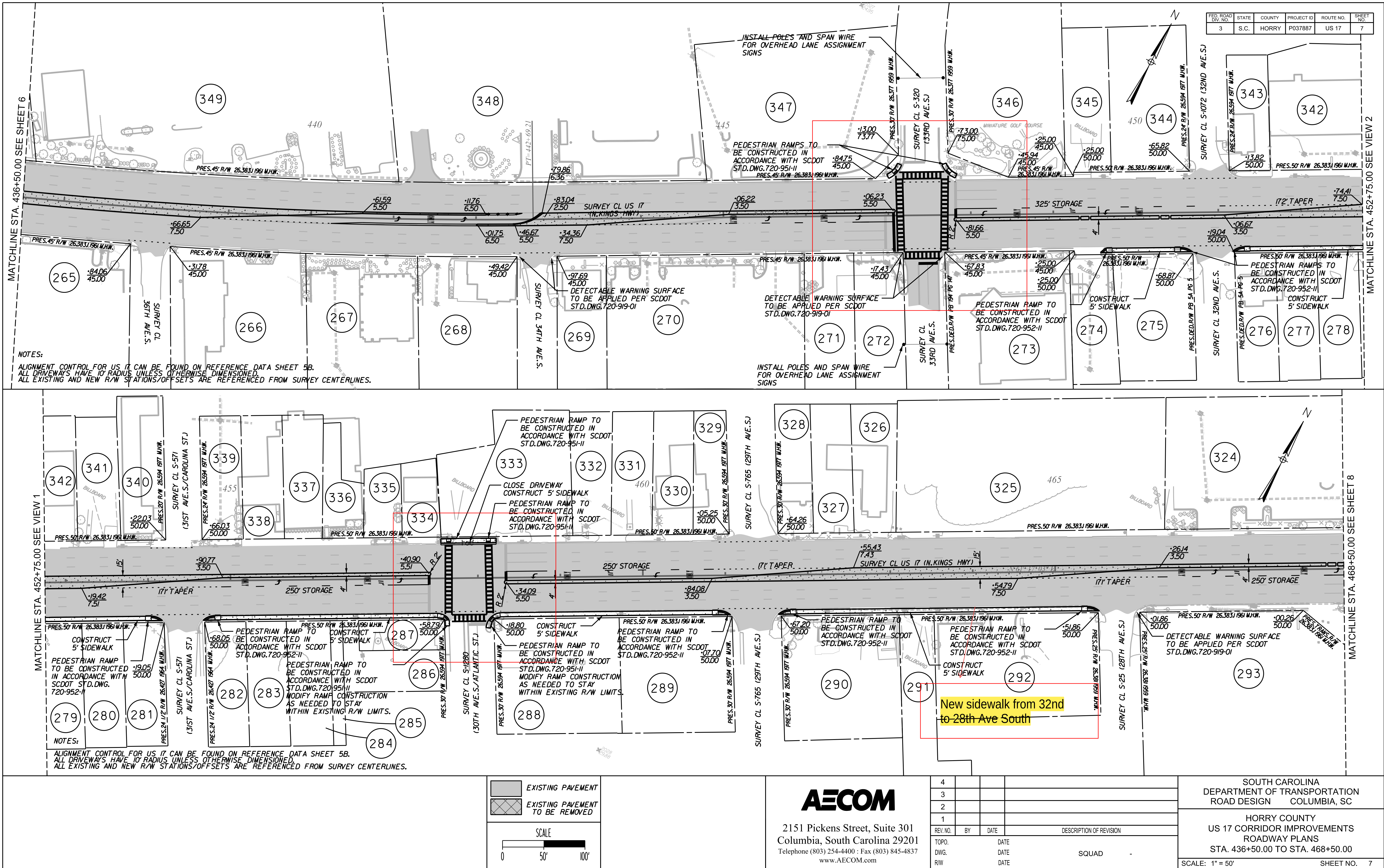
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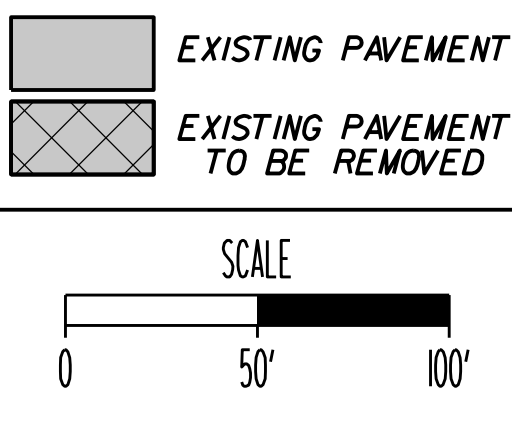
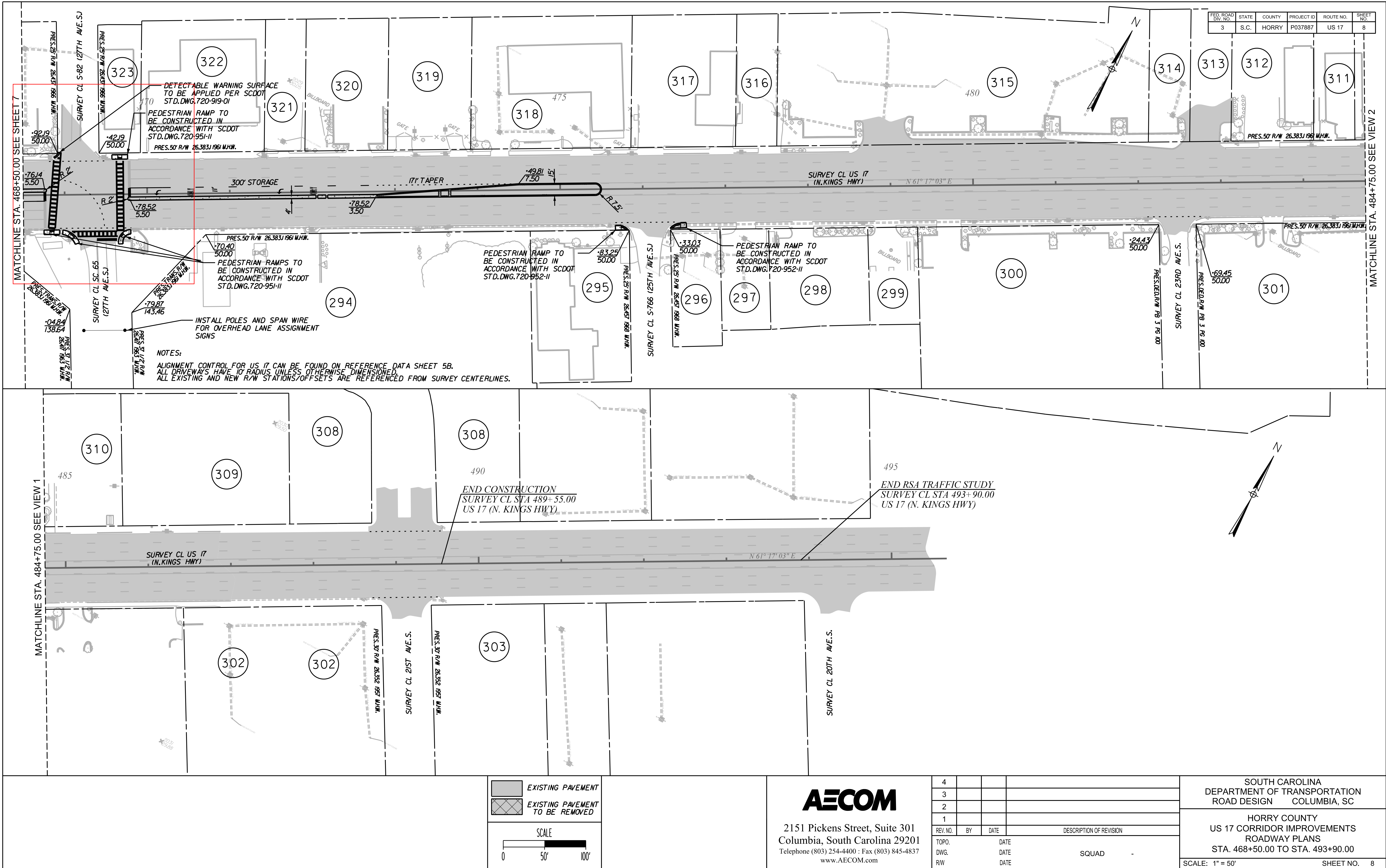
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SOUTH CAROLINA DEPARTMENT OF TRANSPORTATION ROAD DESIGN COLUMBIA, SC	
HORRY COUNTY US 17 CORRIDOR IMPROVEMENTS ROADWAY PLANS STA. 468+50.00 TO STA. 493+90.00	
SCALE: 1" = 50'	SHEET NO. 8

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FED. ROAD DIV. NO.	STATE	COUNTY	PROJECT NO.	ROUTE NO.	SHEET NO.
3	SC	HORRY	P037887	US 17	TS01

SIGNAL EQUIPMENT

ONE(1)8 PHASE FULLY ACTUATED STANDARD 2070 CONTROLLER WITH FLASHER, SIGNAL MONITOR UNIT, AND BASE - MOUNTED 332A CABINET.

8 ORACLE, (2)-CHANNEL VEHICLE DETECTOR UNITS

PEDESTRIAN SIGNALS: EXT. PROP. W/ACT. & SIGN

VEHICLE SIGNALS: EXT. PROP.

HEAD NUMBER	1,2F	2	4A	4B	4,5	5,6F	6	8	8,1	2P/6P/4P/8P
LENS		R	R	R	R	R	R	R	R	
PHASE	1,OLA	2	4	4	4,5	5,OLA	6	8	8,1	2P/6P/4P/8P
SIZE	12"	12"	12"	12"	12"	12"	12"	12"	12"	16"
QUANTITY	1	3	1	1	1	1	3	1	1	4

OLA 1+2(FYA) OLC5+6(FYA)

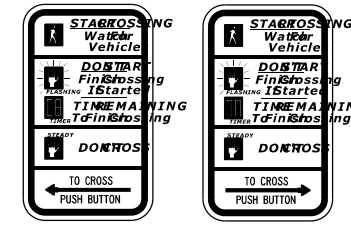
OLB OLD

METAL POLES AS NECESSARY: EXT. PROP. VIDEO DET.

WOOD POLES AS NECESSARY: EXT. PROP. RADAR DET.

BACKPLATE WITH RETROREFLECTIVE BORDER: ALL

INSTALL PEDESTRIAN PUSH BUTTON SIGNS



INSTALL SIGN "A" FOR FLASHING YELLOW ARROW



R10-12A-30

NEMA PHASING

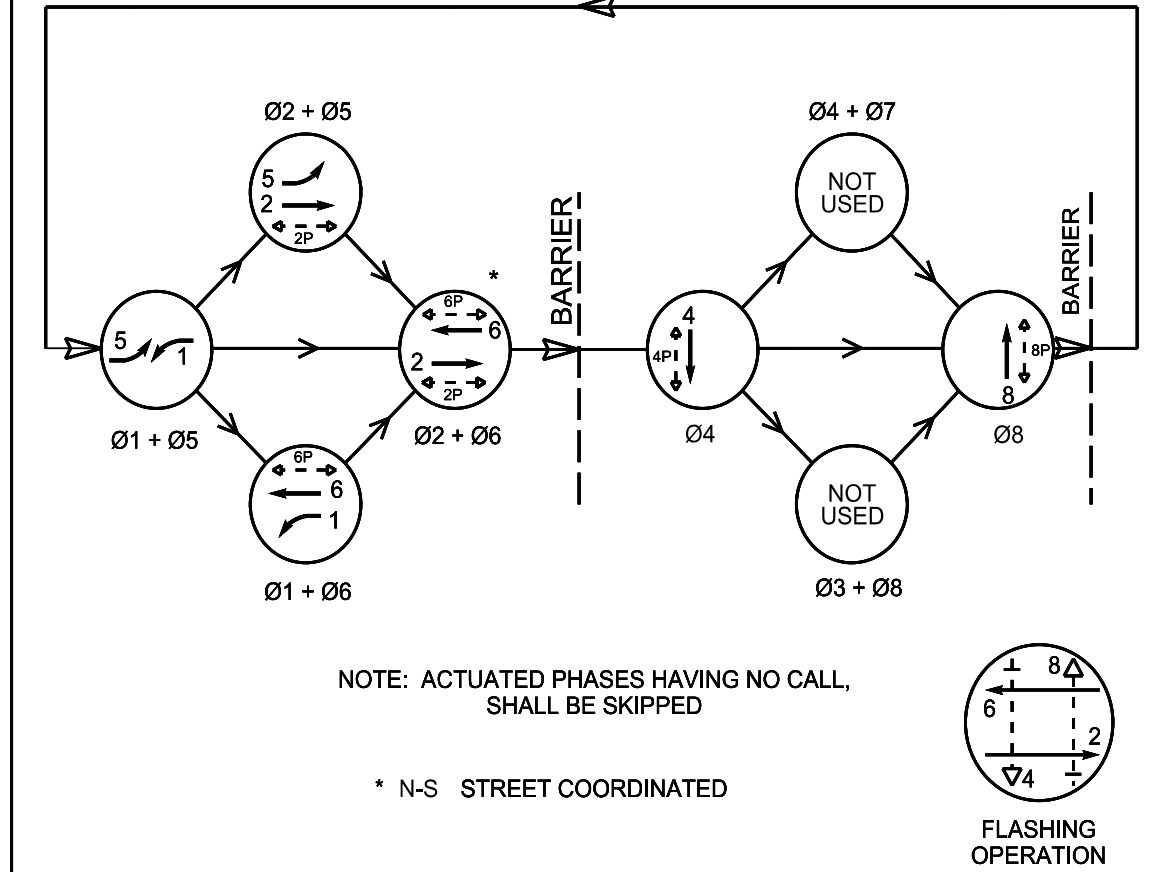
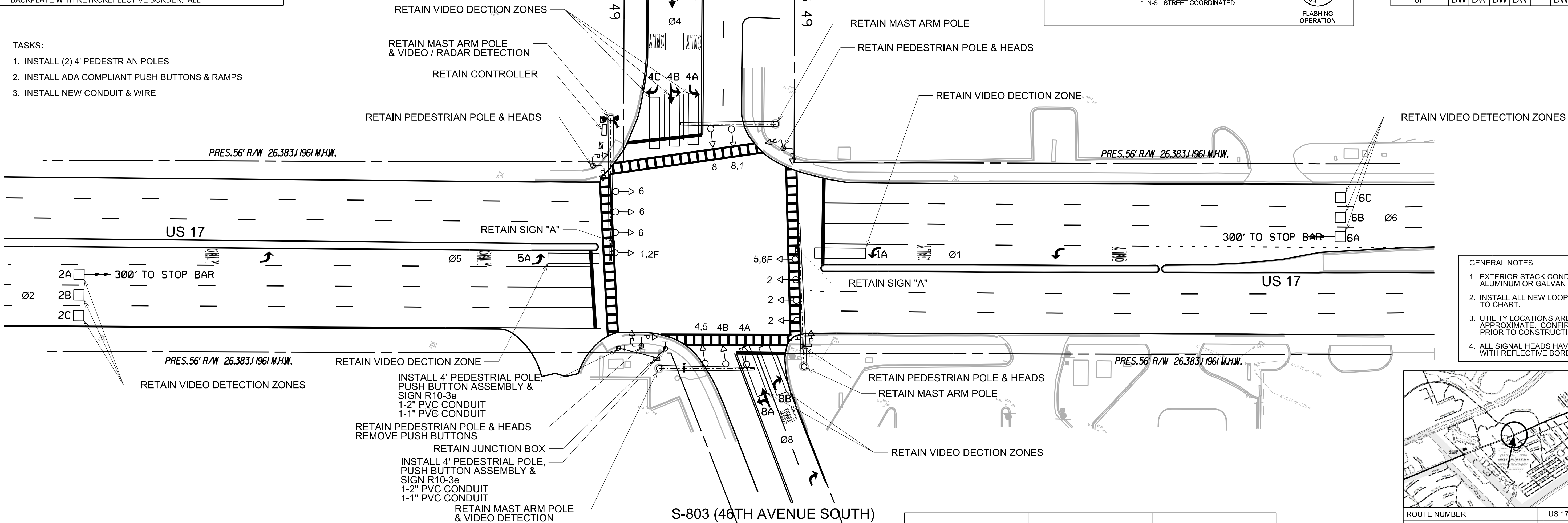


TABLE OF OPERATION	PHASE IN OPERATION							
	01 + 05	01 + 06	02 + 05	02 + 06	04	08	FLASH	
1,2F								
2	R	R	G	G	R	R	R	Y
4A	R	R	R	R			R	R
4B	R	R	R	R			R	R
4,5 CON					G	G	R	R
5,6F					R	R	R	Y
6	R	G	R	G	R	R	R	Y
8	R	R	R	R	R	G	R	
8,1 CON					R	G	R	
2P	DW	DW	W	W	DW	DW	DRK	
4P	DW	DW	DW	DW	W	DW	DRK	
6P	DW	W	DW	W	DW	DW	DRK	
8P	DW	DW	DW	DW	DW	W	DRK	

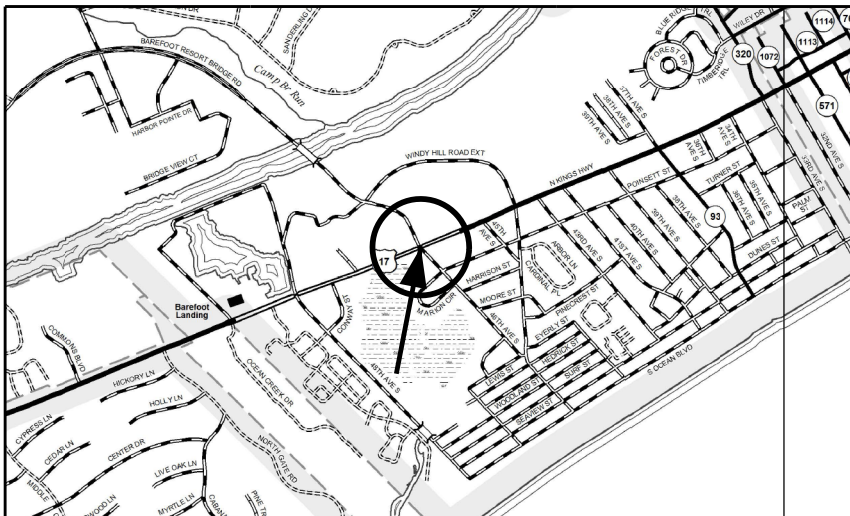
TASKS:

1. INSTALL (2) 4' PEDESTRIAN POLES
2. INSTALL ADA COMPLIANT PUSH BUTTONS & RAMPS
3. INSTALL NEW CONDUIT & WIRE



GENERAL NOTES:

1. EXTERIOR STACK CONDUIT SHALL BE ALUMINUM OR GALVANIZED STEEL.
2. INSTALL ALL NEW LOOPS ACCORDING TO CHART.
3. UTILITY LOCATIONS ARE APPROXIMATE. CONFIRM UTILITIES PRIOR TO CONSTRUCTION.
4. ALL SIGNAL HEADS HAVE BACKPLATES WITH REFLECTIVE BORDERS.



ROUTE NUMBER	US 17	46TH AVE S
APPROACH DIRECTION	NB SB	EB WB
SIGNAL DESIGN SPEED	40 40 30 30	
GRADE (%)	0° 0° 0° 0°	

* ESTIMATED

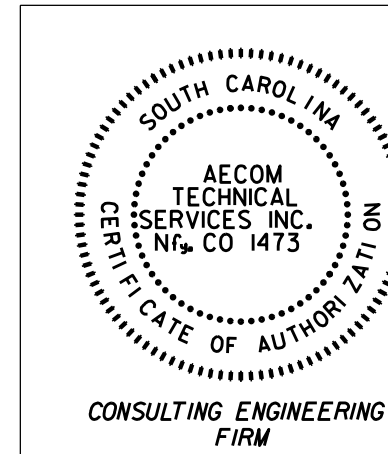
LOOP DETECTOR INSTALLATION CHART

PHASE/ LOOP LTR#	DETECTOR AMP NO.	CHAN NO.	WIRED TO PHASE(S)	X LOCK	X NON-LOCK	X PULSE	X PRES	OPERATION DELAY SEC	EXT SEC	SPECIAL FEATURES TIME OF DAY-TOD SWITCHING, etc.	LOOP DESIGN		
											SIZE X	NO.OF TURNS	DIST. FROM S
1A			1	X		X				VIDEO	6'X30'	N/A	-5'
2A			2	X		X				VIDEO	6'X6'	N/A	300'
2B			2	X		X				VIDEO	6'X6'	N/A	300'
2C			2	X		X				VIDEO	6'X6'	N/A	300'
4A			4	X	X					VIDEO	6'X30'	N/A	-5'
4B			4	X	X	X				VIDEO	6'X30'	N/A	-5'
4C			4	X	X	X				VIDEO	6'X30'	N/A	-5'
5A			5	X	X	X				VIDEO	6'X30'	N/A	-5'
6A			6	X	X	X				VIDEO	6'X6'	N/A	300'
6B			6	X	X	X				VIDEO	6'X6'	N/A	300'
6C			6	X	X	X				VIDEO	6'X6'	N/A	300'
8A			8	X	X	X				VIDEO	6'X30'	N/A	-5'
8B			8	X	X	X				VIDEO	6'X30'	N/A	-5'

NOTE: ADD A LEADING PEDESTRIAN INTERVAL (LPI) OF 3 SECONDS AFTER THE INTERVAL FOR FLASH DON'T WALK

SIGNAL TIMINGS

	PHASE							
	1	2	4	5	6		8	
WALK		7	7		7		7	
DON'T WALK		21	27		24		28	
MIN INITIAL	6	15	8	6	15		8	
MAX INITIAL		34			34			
ADD/VEH		1.5			1.5			
VEH EXT/ GAP	3.0	6.0	3.0	3.0	6.0		3.0	
TIM BFR REDUC		10			10			
TIME TO REDUC		30			30			
MIN GAP		2.5			2.5			
MAXIMUM 1	20	60	36	20	60		36	
MAXIMUM 2	35	90	50	35	90		50	
YELLOW	4.0	4.0	4.0	3.0	4.0		4.0	
RED CLEAR	2.0	3.6	3.2	2.6	3.6		2.5	



PLANS PREPARED BY:

AECOM

10 Patwood Drive
Building VI, Suite 500
Greenville, SC 29615
Phone: 864-234-3000

SCALE IN FEET



NOTE:

All work to be performed within SCDOT Right of Way.

Coordinate with Existing Utilities for Placement of Conduit and Pole Foundations.

Return All Existing Traffic Signal Equipments, Poles and Signs to SCDOT.

Contact SCDOT Signal Shop before work begins.



Post Office Box 191
Columbia, South Carolina 29202

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DATE	REVISIONS	SOUTH CAROLINA DEPARTMENT OF TRANSPORTATION ENGINEERING DIVISION COLUMBIA, S.C.			
		SUBJECT TITLE TRAFFIC SIGNAL PLAN			
		SPECIFIC LOCATION INTERSECTION OF US 17 AT 46TH AVENUE SOUTH (S-803) / BAREFOOT RESORT BRIDGE ROAD			
		CITY N. MYRTLE BEACH	COUNTY HORRY		
		APPROVED BY			
DESIGNED	FY	DISTRICT # TRAFFIC ENGINEER		ENGINEER	
DRAWN					
CHECKED	RG				
REVIEWED					
RECOMMENDED					
		SCALE 1"= 30'	DATE 4/14/2023	SHEET NO. 1 OF 6	INDEX NO. 5664

Z:\Greenville-USGRN\DCS\Projects\TRN60676956_SCDOT_US17BUS_US17_RSA900_CAD_GIS910_CADUS_17PLAN_SHEETSUS17_TS02_Windy Hill Rd.dgn
5/30/2024
4:01:13 PM

SIGNAL EQUIPMENT

ONE(1)8 PHASE FULLY ACTUATED STANDARD
2070 CONTROLLER WITH FLASHER, SIGNAL MONITOR UNIT,
AND BASE - MOUNTED 332A CABINET.

EXT. PROP.

6 ORACLE, (2)-CHANNEL VEHICLE DETECTOR UNITS

PEDESTRIAN SIGNALS: EXT. PROP. W/ACT. & SIGN

VEHICLE SIGNALS: EXT. PROP.

HEAD NUMBER	1	2	4A	4	5	6	8A	8	2P	4P	6P	8P
LENS	←R	R	R	Y	←R	R	Y	Y	←R	R	Y	Y
	←G	G	G	←G	G	G	←G	G	←G	G	G	G
PHASE	1	2	3	4	5	6	3	8	2P	4P	6P	8P
SIZE	12"	12"	12"	12"	12"	12"	12"	12"	16"	16"	16"	16"
QUANTITY	1	3	1	1	1	3	1	1	2	2	2	2

OLA
OLB

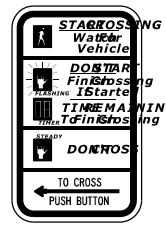
OLC
OLD

METAL POLES AS NECESSARY: EXT. PROP. VIDEO DET.

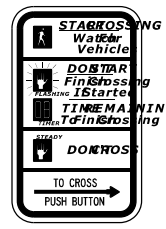
WOOD POLES AS NECESSARY: EXT. PROP. RADAR DET.

BACKPLATE WITH RETROREFLECTIVE BORDER: ALL

INSTALL PEDESTRIAN PUSH BUTTON SIGNS



R10-3eL
9' x 15'

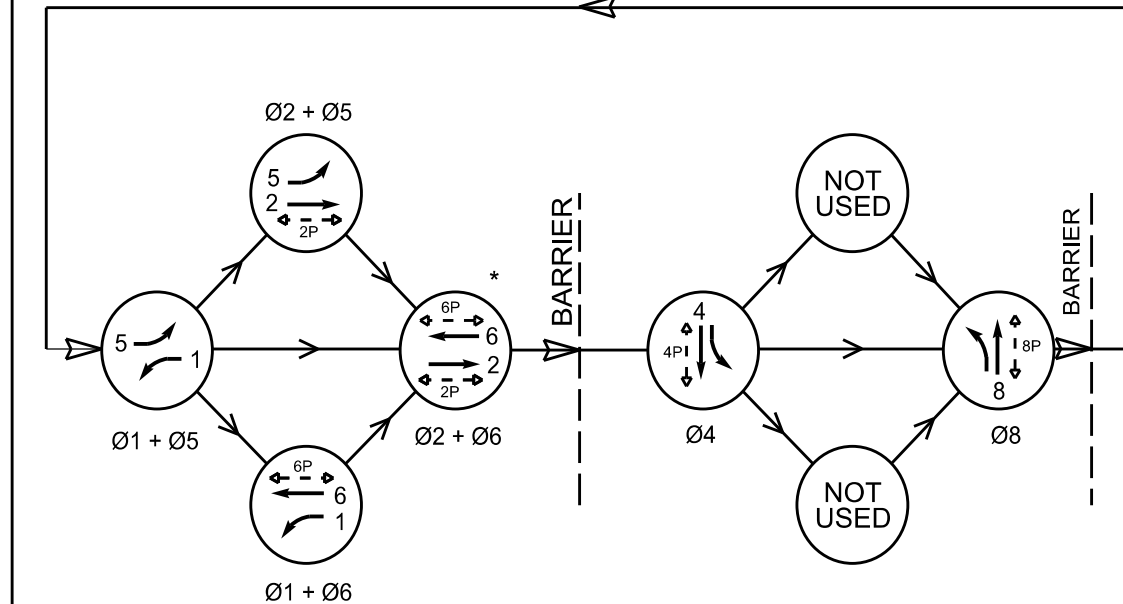


R10-3eR
9' x 15'

TASKS:

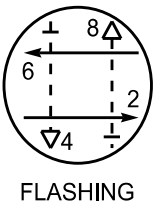
1. INSTALL ALL NEW SIGNAL HEADS WITH BACKPLATES ON NEW SPANWIRE.
2. INSTALL ALL NEW LOOPS.
3. INSTALL NEW SIGNAL WIRE.
4. INSTALL NEW POWER SERVICE.
5. INSTALL NEW CONTROLLER & CABINET AT NEW LOCATION.
6. INSTALL (4) NEW 13"X32' STEEL POLES AND (1) NEW 10' PEDESTRIAN POLES.
7. INSTALL NEW PEDESTRIAN SIGNALS WITH PUSHBUTTONS AND SIGNS.
8. INSTALL NEW CONDUITS & JUNCTION BOXES.

NEMA PHASING



NOTE: ACTUATED PHASES HAVING NO CALL,
SHALL BE SKIPPED

STREET COORDINATED



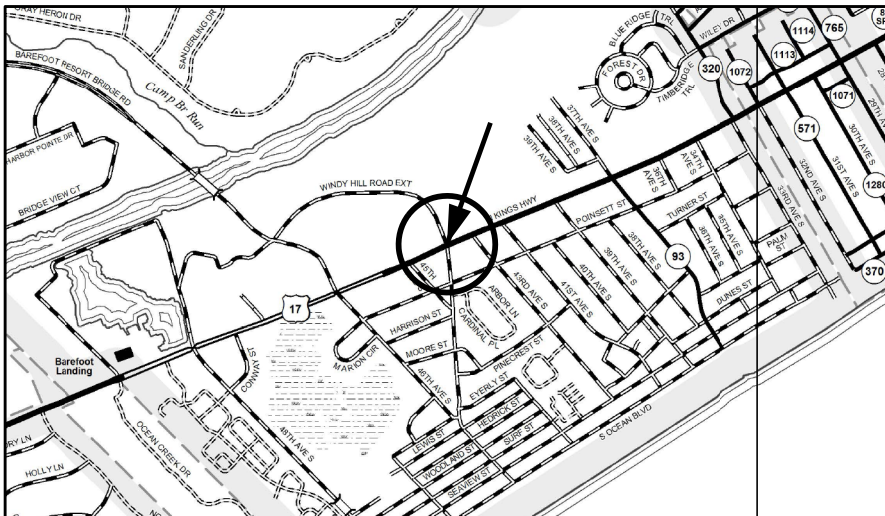
FLASHING
OPERATION

FED. ROAD DIV. NO.	STATE	COUNTY	PROJECT NO.	ROUTE NO.	SHEET NO.
3	SC	HORRY	P037887	US 17	TS02

TABLE OF OPERATION	PHASE IN OPERATION										F L A S H
	Ø1 + Ø5	Ø1 + Ø6	Ø2 + Ø5	Ø2 + Ø6	Ø4	Ø8					
1											Y
2	R	R	G	G	R	R					Y
4A	R	R	R	R	G	R					R
4	R	R	R	R	G	R					R
5											Y
6	R	G	R	G	R	R					Y
8A	R	R	R	R	R	G					R
8	R	R	R	R	R	G					R
2P	DW	DW	W	W	DW	DW					DRK
4P	DW	DW	DW	DW	W	DW					DRK
6P	DW	W	DW	W	DW	DW					DRK
8P	DW	DW	DW	DW	DW	W					DRK

GENERAL NOTES:

1. EXTERIOR STACK CONDUIT SHALL BE ALUMINUM OR GALVANIZED STEEL.
2. INSTALL ALL NEW LOOPS ACCORDING TO CHART.
3. UTILITY LOCATIONS ARE APPROXIMATE. CONFIRM UTILITIES PRIOR TO CONSTRUCTION.
4. ALL SIGNAL HEADS HAVE BACKPLATES WITH REFLECTIVE BORDERS.



ROUTE NUMBER	US 17		WINDY HILL RD	
APPROACH DIRECTION	EB	WB	SB	NB
SIGNAL DESIGN SPEED	40	40	30	30
GRADE (%)	0	0	0	-2

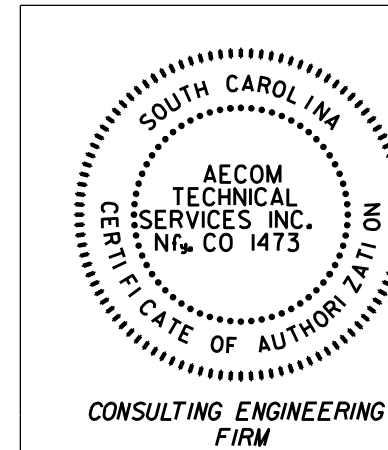
LOOP DETECTOR INSTALLATION CHART

PHASE/ LOOP LTR#	DETECTOR AMP NO.	CHAN NO.	WIRED TO PHASE(S)	X LOCK	X NON-LOCK	X PULSE	X PRES	OPERATION DELAY SEC	EXT SEC	SPECIAL FEATURES TIME OF DAY-TOD SWITCHING, etc.	LOOP DESIGN		
											SIZE X	NO.OF TURNS	DIST. FROM S
1A			1	X		X				QUADRUPOLE	6'X30'	2-4-2	-5'
2A			2	X		X				LOOP	6'X6'	4	300'
2B			2	X		X				LOOP	6'X6'	4	300'
2C			2	X		X				LOOP	6'X6'	4	300'
4A			4	X	X	X				QUADRUPOLE	6'X30'	2-4-2	-5'
4B			4	X	X	X				QUADRUPOLE	6'X30'	2-4-2	-5'
5A			5	X	X	X				QUADRUPOLE	6'X30'	2-4-2	-5'
6A			6	X		X				LOOP	6'X6'	4	300'
6B			6	X	X	X				LOOP	6'X6'	4	300'
6C			6	X		X				LOOP	6'X6'	4	300'
8A			8	X	X	X				QUADRUPOLE	6'X30'	2-4-2	-5'
8B			8	X	X	X				QUADRUPOLE	6'X30'	2-4-2	-5'

SIGNAL TIMINGS

	PHASE							
	1	2	3	4	5	6	7	8
WALK		7		7		7		7
DON'T WALK		18		29		21		27
MIN INITIAL	6	15		8	6	15		8
MAX INITIAL		34				34		
ADD/VEH		1.5				1.5		
VEH EXT/ GAP	3.0	6.0		3.0	3.0	6.0		3.0
TIM BFR REDUC								
TIME TO REDUC								
MIN GAP	3.0	2.5		3.0	3.0	2.5		3.0
MAXIMUM 1	25	60		20	20	60		20
MAXIMUM 2								
YELLOW	3.0	4.0		3.3	3.0	4.0		3.4
RED CLEAR	3.3	1.8		3.3	3.3	1.8		3.3

NOTE: ADD A LEADING PEDESTRIAN INTERVAL (LPI) OF
3 SECONDS AFTER THE INTERVAL FOR FLASH DON'T WALK.



PLANS PREPARED BY:

AECOM

10 Patwood Drive
Building VI, Suite 500
Greenville, SC 29615
Phone: 864-234-3000

SCALE IN FEET



NOTE:

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of Way.

Coordinate with Existing Utilities for Placement
of Conduit and Pole Foundations.

Return All Existing Traffic Signal Equipments,
Poles and Signs to SCDOT.

Contact SCDOT Signal Shop before work
begins.



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DATE		REVISIONS		SOUTH CAROLINA DEPARTMENT OF TRANSPORTATION ENGINEERING DIVISION COLUMBIA, S.C.			
				SUBJECT TITLE TRAFFIC SIGNAL PLAN			
				SPECIFIC LOCATION INTERSECTION OF US 17 AT WINDY HILL ROAD (S-92) / WINDY HILL ROAD EXD			
				CITY N. MYRTLE BEACH		COUNTY HORRY	
				APPROVED BY		ENGINEER	
DESIGNED FY				DISTRICT #		TRAFFIC ENGINEER	
DRAWN				SCALE		DATE	
CHECKED RG				SHEET NO.		INDEX NO.	
REVIEWED				1"= 30'		4/4/2023	
RECOMMENDED				2 OF 6		5665	

Z:\Greenville-USGRN\DCS\Projects\TRN60676956_SCDOT_US17BUS_US17_RSA900_CAD_GIS910_CADUS_17PLAN_SHEETSUS17_TS03_37th Ave S.dgn
5/30/2024 4:01:19 PM

SIGNAL EQUIPMENT

ONE(1)8 PHASE FULLY ACTUATED STANDARD 2070 CONTROLLER WITH FLASHER, SIGNAL MONITOR UNIT, AND BASE - MOUNTED 332A CABINET.

6 ORACLE, (2)-CHANNEL VEHICLE DETECTOR UNITS

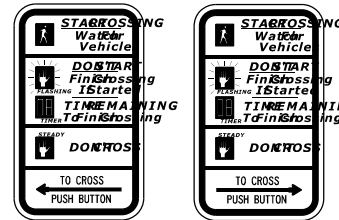
PEDESTRIAN SIGNALS: EXT.  PROP.  W/ACT. & SIGN

VEHICLE SIGNALS: EXT.  PROP. 

HEAD NUMBER	1	2	4	4F	5	6	8	2P	4P	6P	8P
LENS											
PHASE	1	2	4	OLB	5	6	8	2P	4P	6P	8P
SIZE	12"	12"	12"	12"	12"	12"	12"	16"	16"	16"	16"
QUANTITY	1	3	2	1	1	3	2	2	2	2	2

OLA OLC
OLB 4(FYA) OLD
METAL POLES AS NECESSARY: EXT.  PROP.  VIDEO DET. 
WOOD POLES AS NECESSARY: EXT.  PROP.  RADAR DET. 
BACKPLATE WITH RETROREFLECTIVE BORDER: ALL

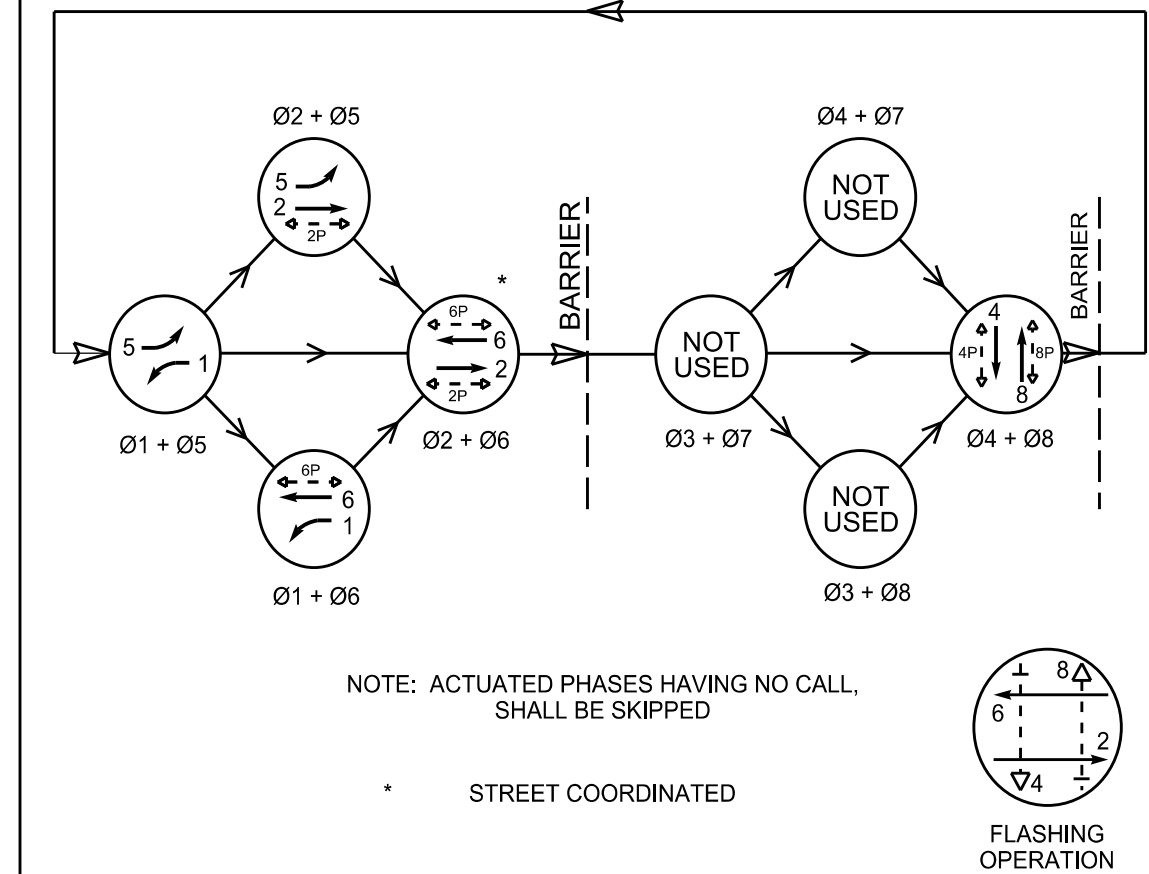
INSTALL PEDESTRIAN PUSH BUTTON SIGNS



TASKS:

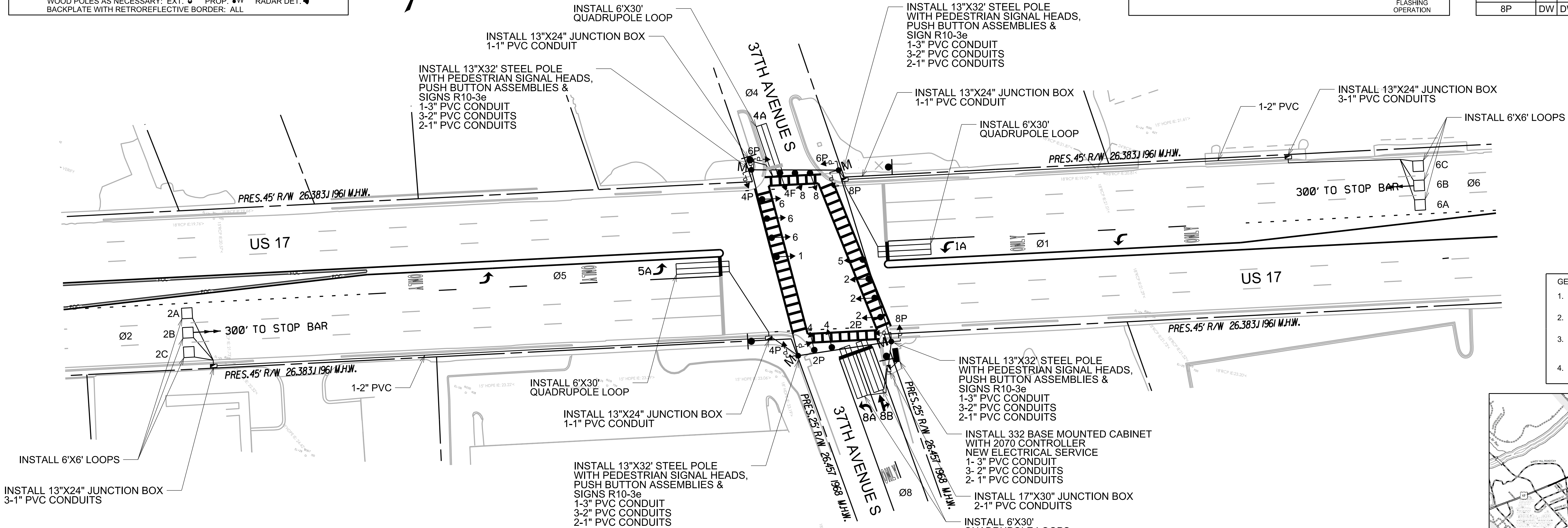
1. INSTALL ALL NEW SIGNAL HEADS WITH BACKPLATES ON NEW SPANWIRE.
2. INSTALL ALL NEW LOOPS.
3. INSTALL NEW SIGNAL WIRE.
4. INSTALL NEW POWER SERVICE.
5. INSTALL NEW CONTROLLER & CABINET AT NEW LOCATION.
6. INSTALL (4) NEW 13"X32' STEEL POLES.
7. INSTALL NEW PEDESTRIAN SIGNALS WITH PUSHBUTTONS AND SIGNS.
8. INSTALL NEW CONDUITS & JUNCTION BOXES.

NEMA PHASING



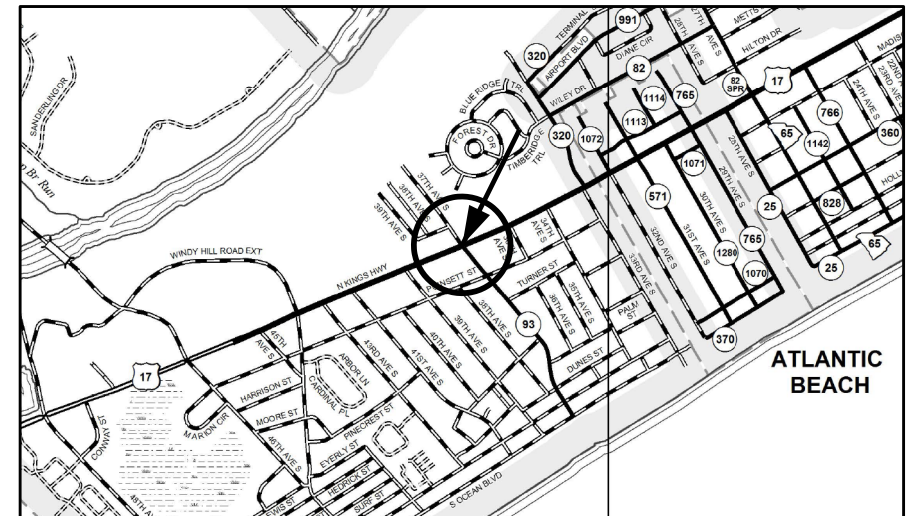
FED. ROAD DIV. NO.	STATE	COUNTY	PROJECT NO.	ROUTE NO.	SHEET NO.
3	SC	HORRY	P037887	US 17	TS03

TABLE OF OPERATION	PHASE IN OPERATION							FLASH
	Ø1 + Ø5	Ø1 + Ø6	Ø2 + Ø5	Ø2 + Ø6	Ø4 + Ø8			
1								
2								
4								
4F								
5								
6								
8								
2P	DW	DW	W	W	DW			DRK
4P	DW	DW	DW	DW	W			DRK
6P	DW	W	DW	W	DW			DRK
8P	DW	DW	DW	DW	W			DRK



GENERAL NOTES:

1. EXTERIOR STACK CONDUIT SHALL BE ALUMINUM OR GALVANIZED STEEL.
2. INSTALL ALL NEW LOOPS ACCORDING TO CHART.
3. UTILITY LOCATIONS ARE APPROXIMATE. CONFIRM UTILITIES PRIOR TO CONSTRUCTION.
4. ALL SIGNAL HEADS HAVE BACKPLATES WITH REFLECTIVE BORDERS.



ROUTE NUMBER	US 17	37TH AVE S
APPROACH DIRECTION	EB WB SB NB	
SIGNAL DESIGN SPEED	40 40 15 35	
GRADE (%)	0 -1 -2 0	

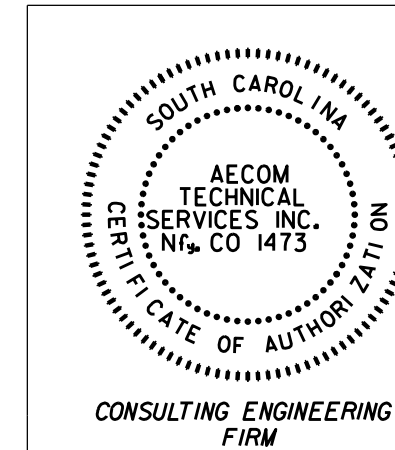
LOOP DETECTOR INSTALLATION CHART

PHASE/ LOOP LTR#	DETECTOR		WIRED TO PHASE(S)	LOCK	NON-LOCK	PULSE	PRES	OPERATION	SPECIAL FEATURES	LOOP DESIGN		
	AMP NO.	CHAN NO.								SIZE	NO.OF TURNS	DIST. FROM \$
1A			1	X		X			QUADRUPOLE	6'X30'	2-4-2	-5'
2A			2	X		X			LOOP	6'X6'	4	300'
2B			2	X		X			LOOP	6'X6'	4	300'
2C			2	X		X			LOOP	6'X6'	4	300'
4A			4	X		X			QUADRUPOLE	6'X30'	2-4-2	-5'
5A			5	X		X			QUADRUPOLE	6'X30'	2-4-2	-5'
6A			6	X		X			LOOP	6'X6'	4	300'
6B			6	X		X			LOOP	6'X6'	4	300'
6C			6	X		X			LOOP	6'X6'	4	300'
8A			8	X		X			QUADRUPOLE	6'X30'	2-4-2	-5'
8B			8	X		X			QUADRUPOLE	6'X30'	2-4-2	-5'

SIGNAL TIMINGS

	PHASE							
	1	2	3	4	5	6	7	8
WALK		7		7		7		7
DON'T WALK		13		26		11		27
MIN INITIAL	6	15		8	6	15		8
MAX INITIAL		34				34		
ADD/VEH		1.5				1.5		
VEH EXT/ GAP	3.0	6.0		3.0	3.0	6.0		3.0
TIM BFR REDUC								
TIME TO REDUC								
MIN GAP	3.0	2.5		3.0	3.0	2.5		3.0
MAXIMUM 1	20	75		30	20	75		30
MAXIMUM 2								
YELLOW	3.0	4.1		3.6	3.0	4.1		3.6
RED CLEAR	3.2	1.7		4.2	3.4	1.7		4.2

NOTE: ADD A LEADING PEDESTRIAN INTERVAL (LPI) OF 3 SECONDS AFTER THE INTERVAL FOR FLASH DON'T WALK.



PLANS PREPARED BY:

AECOM

10 Patwood Drive
Building VI, Suite 500
Greenville, SC 29615
Phone: 864-234-3000

SCALE IN FEET



NOTE:

All work to be performed within SCDOT Right of Way.

Coordinate with Existing Utilities for Placement of Conduit and Pole Foundations.
Return All Existing Traffic Signal Equipments, Poles and Signs to SCDOT.
Contact SCDOT Signal Shop before work begins.

SCDOT
South Carolina Department of Transportation

Post Office Box 191
Columbia, South Carolina 29202

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DATE		REVISIONS		SOUTH CAROLINA DEPARTMENT OF TRANSPORTATION ENGINEERING DIVISION COLUMBIA, S.C.			
				SUBJECT TITLE TRAFFIC SIGNAL PLAN			
				SPECIFIC LOCATION INTERSECTION OF US 17 AT 37TH AVENUE SOUTH (S-93)			
				CITY N. MYRTLE BEACH		COUNTY HORRY	
DESIGNED FY				APPROVED BY			
DRAWN							
CHECKED RG				DISTRICT # TRAFFIC ENGINEER		ENGINEER	
REVIEWED				SCALE 1"= 30'		SHEET NO. 3 OF 6	
RECOMMENDED				DATE 4/4/2023		INDEX NO. 5666	

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5/30/2024 4:01:25 PM

SIGNAL EQUIPMENT

ONE(1)8 PHASE FULLY ACTUATED STANDARD 2070 CONTROLLER WITH FLASHER, SIGNAL MONITOR UNIT, AND BASE - MOUNTED 332A CABINET.

8 ORACLE, (2)-CHANNEL VEHICLE DETECTOR UNITS

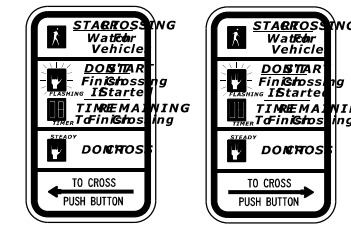
PEDESTRIAN SIGNALS: EXT. PROP. W/ACT. & SIGN

VEHICLE SIGNALS: EXT. PROP.

HEAD NUMBER	1	2	3	4	5	6	7	8	2P/6P	4P/8P
LENS										
PHASE	1	2	3	4	5	6	7	8	2P/6P	4P/8P
SIZE	12"	12"	12"	12"	12"	12"	12"	12"	16"	16"
QUANTITY	1	3	1	2	1	3	1	2	4	4

OLA OLC
OLB OLD
METAL POLES AS NECESSARY: EXT. PROP. VIDEO DET.
WOOD POLES AS NECESSARY: EXT. PROP. RADAR DET.
BACKPLATE WITH RETROREFLECTIVE BORDER: ALL

INSTALL PEDESTRIAN
PUSH BUTTON SIGNS



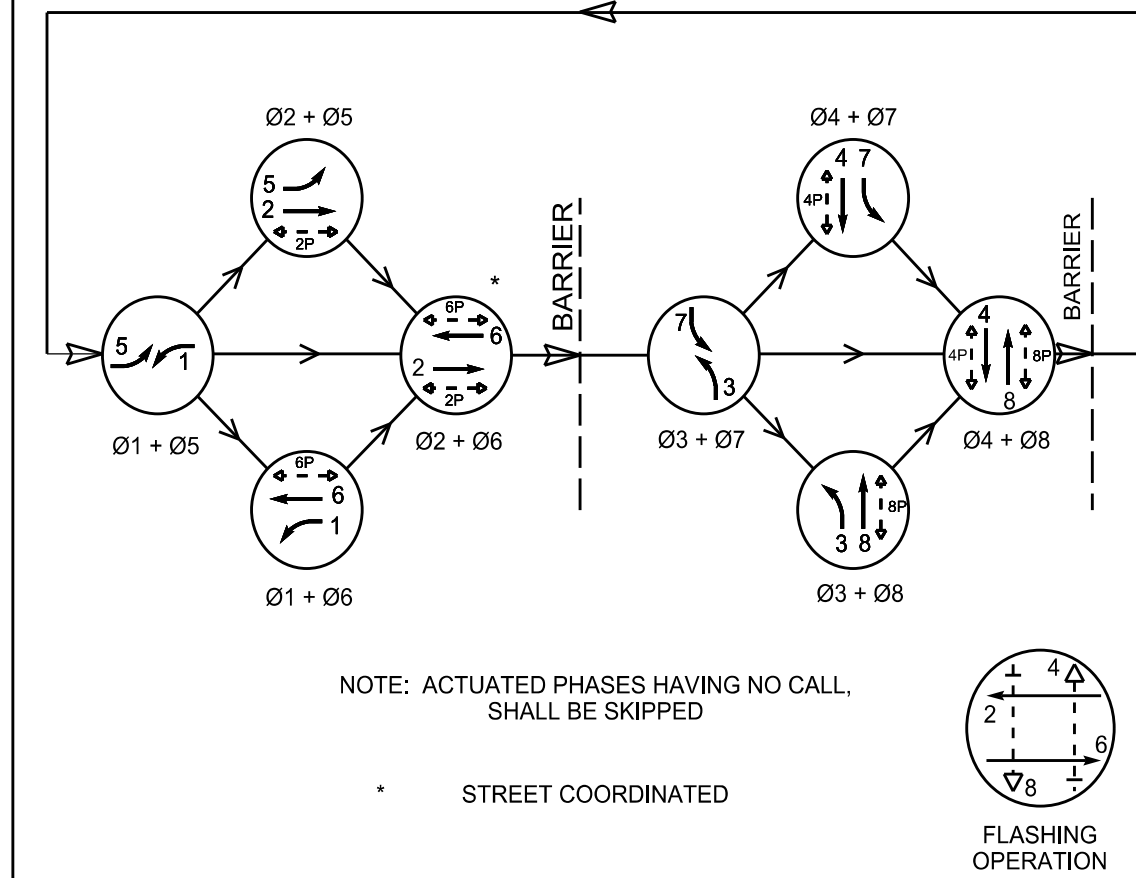
R10-3eL
9" X 15"

R10-3eR
9" X 15"

TASKS:

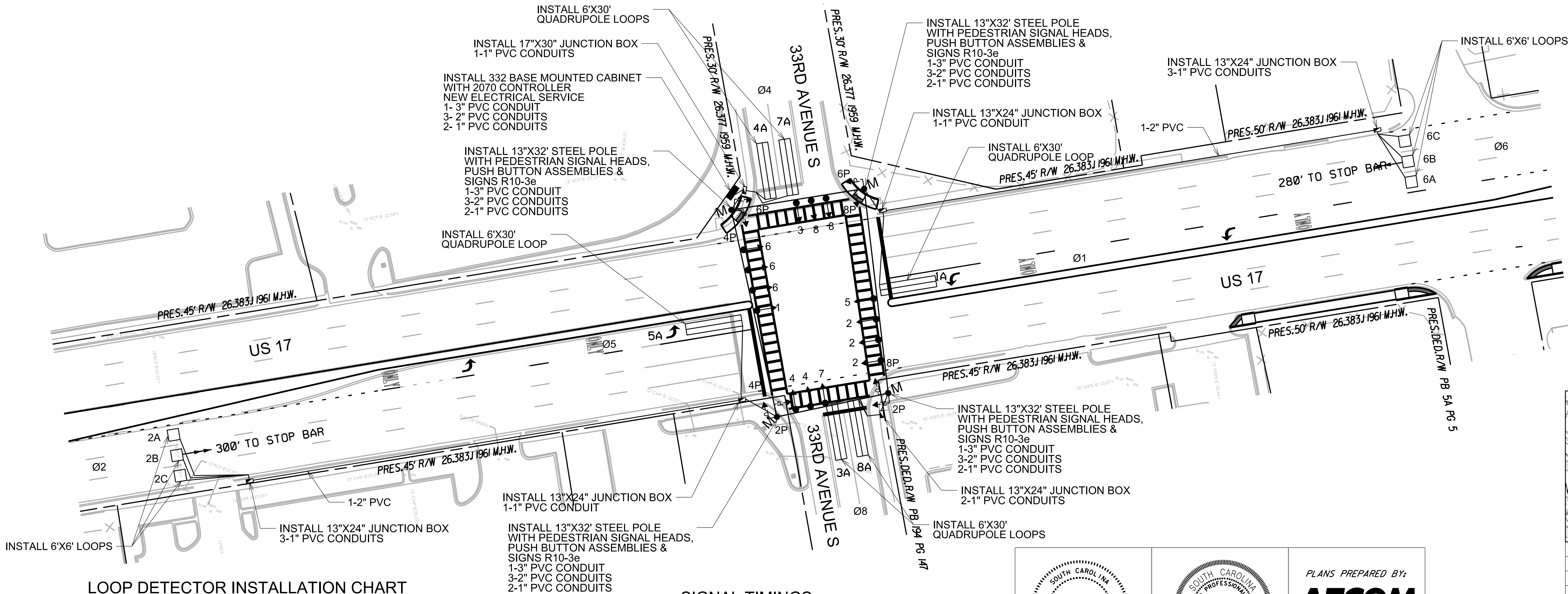
1. INSTALL ALL NEW SIGNAL HEADS WITH BACKPLATES ON NEW SPANWIRE.
2. INSTALL ALL NEW LOOPS.
3. INSTALL NEW SIGNAL WIRE.
4. INSTALL NEW POWER SERVICE.
5. INSTALL NEW CONTROLLER & CABINET AT NEW LOCATION.
6. INSTALL (4) NEW 13"X32" STEEL POLES.
7. INSTALL NEW PEDESTRIAN SIGNALS WITH PUSHBUTTONS AND SIGNS.
8. INSTALL NEW CONDUITS & JUNCTION BOXES.

NEMA PHASING



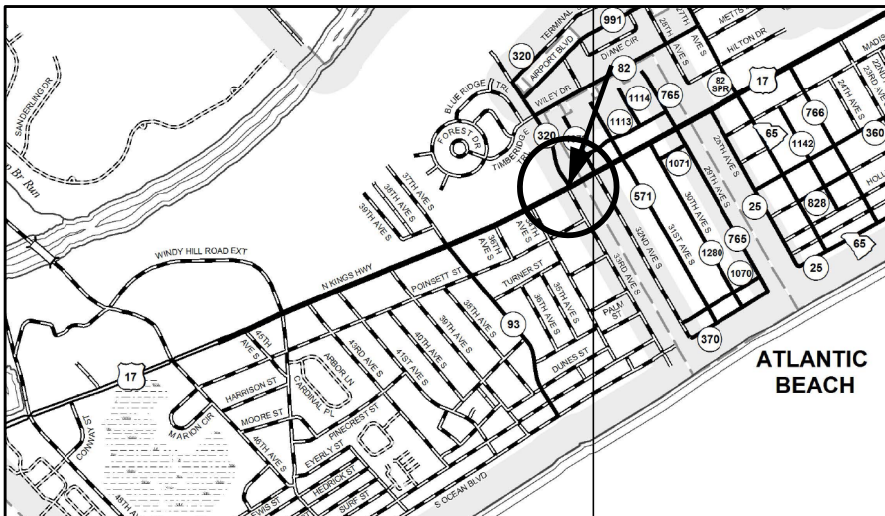
FED. ROAD DIV. NO.	STATE	COUNTY	PROJECT NO.	ROUTE NO.	SHEET NO.
3	SC	HORRY	P037887	US 17	TS04

TABLE OF OPERATION	PHASE IN OPERATION								F L A S H
	01 + 05	01 + 06	02 + 05	02 + 06	03 + 07	03 + 08	04 + 07	04 + 08	
1									
2	R	R	G	G	R	R	R	R	Y
3									
4	R	R	R	R	R	R	G	G	R
5									
6	R	G	R	G	R	R	R	R	Y
7									
8	R	R	R	R	R	G	R	G	R
2P	DW	DW	W	W	DW	DW	DW	DW	DRK
4P	DW	DW	DW	DW	DW	DW	W	W	DRK
6P	DW	W	DW	W	DW	DW	DW	DW	DRK
8P	DW	DW	DW	DW	DW	W	DW	W	DRK



GENERAL NOTES:

1. EXTERIOR STACK CONDUIT SHALL BE ALUMINUM OR GALVANIZED STEEL.
2. INSTALL ALL NEW LOOPS ACCORDING TO CHART.
3. UTILITY LOCATIONS ARE APPROXIMATE. CONFIRM UTILITIES PRIOR TO CONSTRUCTION.
4. ALL SIGNAL HEADS HAVE BACKPLATES WITH REFLECTIVE BORDERS.



ROUTE NUMBER	US 17	33RD AVE S
APPROACH DIRECTION	EB WB SB NB	
SIGNAL DESIGN SPEED	40 40 35 25	
GRADE (%)	0 -1 2 0	

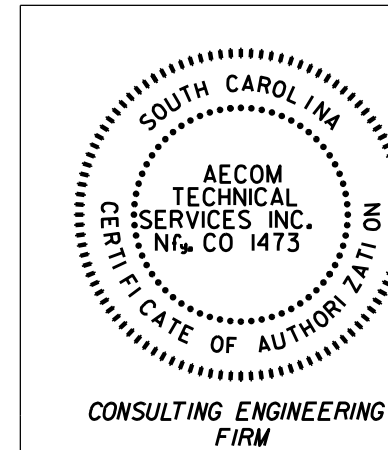
LOOP DETECTOR INSTALLATION CHART

PHASE/ LOOP LTR#	DETECTOR AMP NO.	CHAN NO.	WIRED TO PHASE(S)	X LOOK	X NON-LOCK	X PULSE	OPERATION DELAY SEC	EXT SEC	SPECIAL FEATURES TIME OF DAY-TOD SWITCHING, etc.	LOOP DESIGN SIZE X	NO.OF TURNS	DIST. FROM S
1A			1	X	X	X			QUADRUPOLE	6'X30'	2-4-2	-5'
2A			2	X		X			LOOP	6'X6'	4	300'
2B			2	X		X			LOOP	6'X6'	4	300'
2C			2	X		X			LOOP	6'X6'	4	300'
3A			3		X	X			QUADRUPOLE	6'X30'	2-4-2	-5'
4A			4	X	X	X			QUADRUPOLE	6'X30'	2-4-2	-5'
5A			5		X	X			QUADRUPOLE	6'X30'	2-4-2	-5'
6A			6	X		X			LOOP	6'X6'	4	280'
6B			6	X		X			LOOP	6'X6'	4	280'
6C			6	X		X			LOOP	6'X6'	4	280'
7A			7		X	X			QUADRUPOLE	6'X30'	2-4-2	-5'
8A			8		X	X			QUADRUPOLE	6'X30'	2-4-2	-5'

SIGNAL TIMINGS

	PHASE							
	1	2	3	4	5	6	7	8
WALK		7		7		7		7
DON'T WALK		15		29		19		28
MIN INITIAL	6	15	5	8	6	15	5	8
MAX INITIAL		34				34		
ADD/VEH		1.5				1.5		
VEH EXT/ GAP	3.0	6.0	3.0	3.0	3.0	6.0	3.0	3.0
TIM BFR REDUC								
TIME TO REDUC								
MIN GAP	3.0	2.5	3.0	3.0	3.0	2.5	3.0	3.0
MAXIMUM 1	20	70	20	20	20	70	20	20
MAXIMUM 2								
YELLOW	3.0	4.1	3.0	3.5	3.0	4.1	3.0	3.5
RED CLEAR	3.2	1.5	3.1	3.2	3.3	1.5	3.2	3.2

NOTE: ADD A LEADING PEDESTRIAN INTERVAL (LPI) OF 3 SECONDS AFTER THE INTERVAL FOR FLASH DON'T WALK.



PLANS PREPARED BY:

AECOM

10 Patwood Drive
Building VI, Suite 500
Greenville, SC 29615
Phone: 864-234-3000

SCALE IN FEET



NOTE:

All work to be performed within SCDOT Right of Way.

Coordinate with Existing Utilities for Placement of Conduit and Pole Foundations.

Return All Existing Traffic Signal Equipments, Poles and Signs to SCDOT.

Contact SCDOT Signal Shop before work begins.

SCDOT

Post Office Box 191
Columbia, South Carolina 29202

This intersection border drawing including the information blocks contained within, is intended only for the specific purpose and client for which it was prepared. Reuse of and improper reliance on the sheet without written authorization from the SCDOT Traffic Engineering office is prohibited.

DATE	REVISIONS	SOUTH CAROLINA DEPARTMENT OF TRANSPORTATION ENGINEERING DIVISION COLUMBIA, S.C.			
		SUBJECT TITLE TRAFFIC SIGNAL PLAN			
		SPECIFIC LOCATION INTERSECTION OF US 17 AT 33RD AVENUE SOUTH			
		CITY N. MYRTLE BEACH	COUNTY HORRY		
		APPROVED BY DESIGNED <i>FY</i> DRAWN CHECKED <i>RG</i> REVIEWED RECOMMENDED		ENGINEER	
		SCALE 1"= 30'	DATE 4/4/2023	SHEET NO. 4 OF 6	INDEX NO. 5667

Z:\Greenville-USGRN\DCS\Projects\TRN160676956_SCDOT_US17BUS_US17_RSA900_CAD_GIS910_CADUS_17PLAN_SHEETS\US17_TS06_27th Ave S.dgn
5/30/2024
4:02:14 PM

SIGNAL EQUIPMENT

ONE(1)8 PHASE FULLY ACTUATED STANDARD
2070 CONTROLLER WITH FLASHER, SIGNAL MONITOR UNIT,
AND BASE - MOUNTED 332A CABINET.

EXT. ☐ PROP. ☐

6 ORACLE, (2)-CHANNEL VEHICLE DETECTOR UNITS

PEDESTRIAN SIGNALS: EXT. ☐ PROP. ☐ W/ACT. & SIGN

VEHICLE SIGNALS: EXT. ☐ PROP. ☐

HEAD NUMBER	1	2	4A	4	5	6	8A	8	2P	4P	6P	8P
LENS	R	R	R	R	R	R	R	R				
	Y	Y	Y	Y	Y	Y	Y	Y				
	G	G	G	G	G	G	G	G				
PHASE	1	2	3	4	5	6	3	8	2P	4P	6P	8P
SIZE	12"	12"	12"	12"	12"	12"	12"	12"	16"	16"	16"	16"
QUANTITY	1	3	1	1	1	3	1	2	2	2	2	2

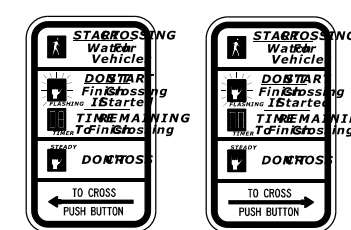
OLA OLC
OLB OLD

METAL POLES AS NECESSARY: EXT. ☐ PROP. ☐ VIDEO DET. ☐

WOOD POLES AS NECESSARY: EXT. ☐ PROP. ☐ RADAR DET. ☐

BACKPLATE WITH RETROREFLECTIVE BORDER: ALL

INSTALL PEDESTRIAN
PUSH BUTTON SIGNS



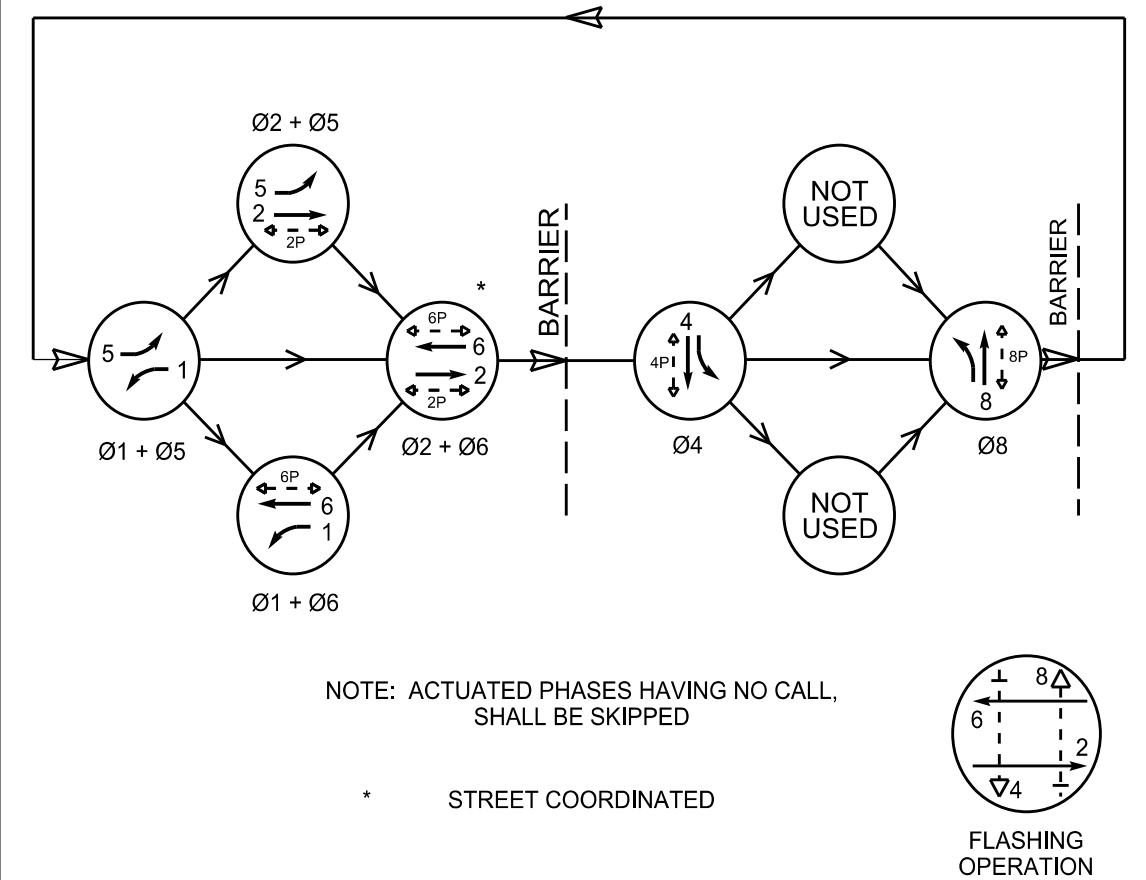
R10-3eL 9' x 15'

R10-3eR 9' x 15'

TASKS:

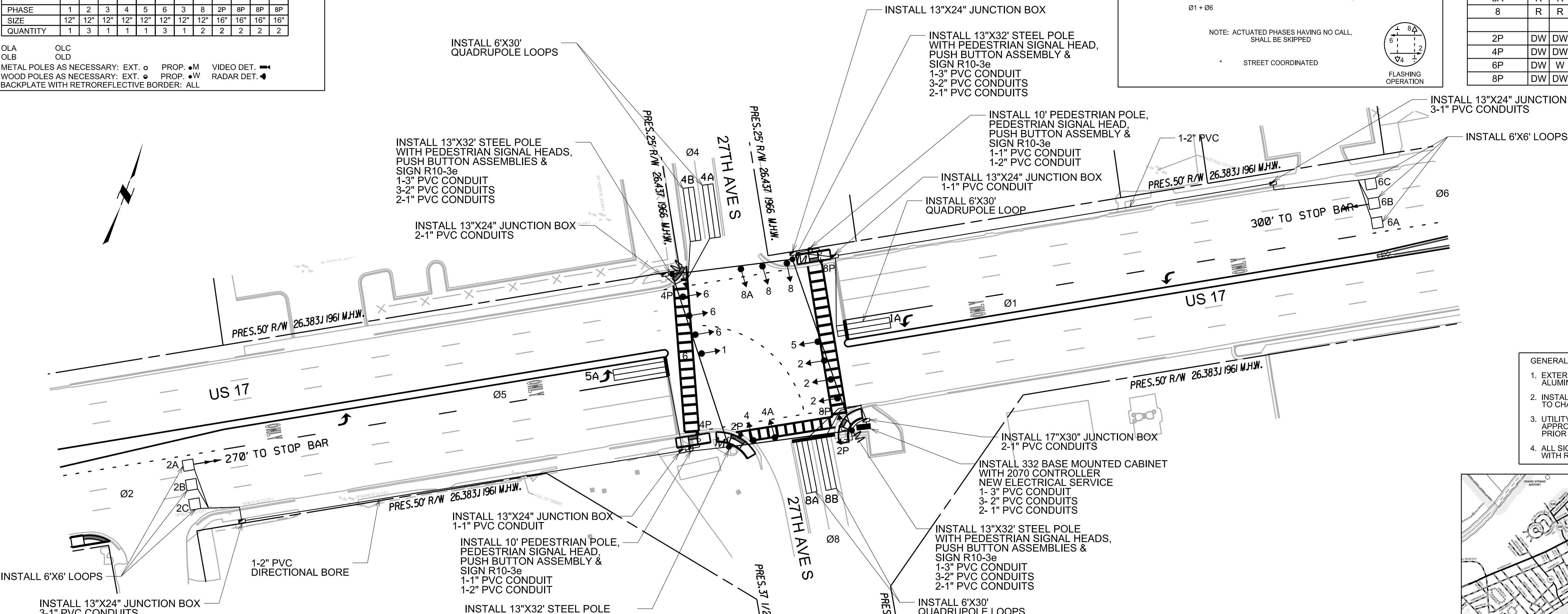
1. INSTALL ALL NEW SIGNAL HEADS WITH BACKPLATES ON NEW SPANWIRE.
2. INSTALL ALL NEW LOOPS.
3. INSTALL NEW SIGNAL WIRE.
4. INSTALL NEW POWER SERVICE.
5. INSTALL NEW CONTROLLER & CABINET AT NEW LOCATION.
6. INSTALL (4) NEW 13"x32" STEEL POLES AND (2) NEW 10' PEDESTRIAN POLES.
7. INSTALL NEW PEDESTRIAN SIGNALS WITH PUSHBUTTONS AND SIGNS.
8. INSTALL NEW CONDUITS & JUNCTION BOXES.

NEMA PHASING



FED. ROAD DIV. NO.	STATE	COUNTY	PROJECT NO.	ROUTE NO.	SHEET NO.
3	SC	HORRY	P037887	US 17	TS06

TABLE OF OPERATION	PHASE IN OPERATION							FLASH
SIGNAL HEAD #	Ø1 + Ø5	Ø1 + Ø6	Ø2 + Ø5	Ø2 + Ø6	Ø4	Ø8		
1								
2	R	R	G	G	R	R		Y
4A	R	R	R	R	G	R		R
4	R	R	R	R	G	R		R
5								
6	R	G	R	G	R	R		Y
8A	R	R	R	R	R	G		R
8	R	R	R	R	R	G		R
2P	DW	DW	W	W	DW	DW		DRK
4P	DW	DW	DW	DW	W	DW		DRK
6P	DW	W	DW	W	DW	DW		DRK
8P	DW	DW	DW	DW	DW	W		DRK



LOOP DETECTOR INSTALLATION CHART

PHASE/ LOOP LTR#	DETECTOR AMP NO.	CHAN NO.	WIRED TO PHASE(S)	X LOCK	X NON-LOCK	X PULSE	OPERATION DELAY SEC	SPECIAL FEATURES TIME OF DAY-TOD SWITCHING, etc.	LOOP DESIGN SIZE X	NO.OF TURNS	DIST. FROM S
1A			1	X		X		QUADRUPOLE	6'X30'	2-4-2	-5'
2A			2	X		X		LOOP	6'X6'	4	270'
2B			2	X		X		LOOP	6'X6'	4	270'
2C			2	X		X		LOOP	6'X6'	4	270'
4A			4	X		X		QUADRUPOLE	6'X30'	2-4-2	0
4B			4	X		X		QUADRUPOLE	6'X30'	2-4-2	0
5A			5	X		X		QUADRUPOLE	6'X30'	2-4-2	0
6A			6	X		X		LOOP	6'X6'	4	300'
6B			6	X		X		LOOP	6'X6'	4	300'
6C			6	X		X		LOOP	6'X6'	4	300'
8A			8	X		X		QUADRUPOLE	6'X30'	2-4-2	0
8B			8	X		X		QUADRUPOLE	6'X30'	2-4-2	0

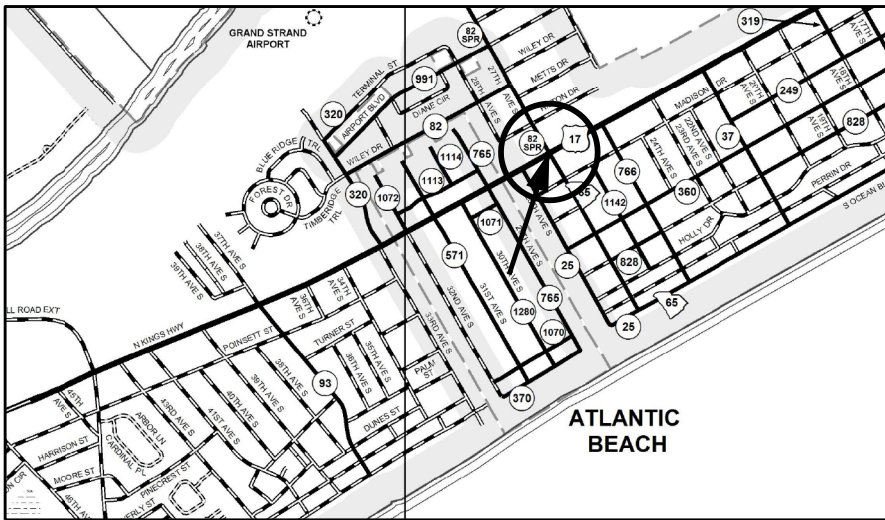
SIGNAL TIMINGS

	PHASE							
	1	2	3	4	5	6	7	8
WALK		7		7		7		7
DON'T WALK		16		24		11		25
MIN INITIAL	6	15		8	6	15		8
MAX INITIAL		34				34		
ADD/VEH		1.5				1.5		
VEH EXT/ GAP	3.0	6.0		3.0	3.0	6.0		3.0
TIM BFR REDUC								
TIME TO REDUC								
MIN GAP	3.0	2.5		3.0	3.0	2.5		3.0
MAXIMUM 1	20	70		20	20	70		30
MAXIMUM 2								
YELLOW	3.0	4.0		3.0	3.0	4.0		3.3
RED CLEAR	3.1	1.9		3.5	3.2	1.9		3.3

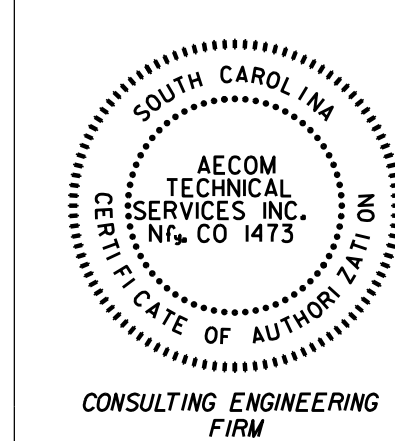
NOTE: ADD A LEADING PEDESTRIAN INTERVAL (LPI) OF 3 SECONDS AFTER THE INTERVAL FOR FLASH DON'T WALK.

GENERAL NOTES:

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2. INSTALL ALL NEW LOOPS ACCORDING TO CHART.
3. UTILITY LOCATIONS ARE APPROXIMATE. CONFIRM UTILITIES PRIOR TO CONSTRUCTION.
4. ALL SIGNAL HEADS HAVE BACKPLATES WITH REFLECTIVE BORDERS.



ROUTE NUMBER	US 17	ATLANTIC ST
APPROACH DIRECTION	EB WB SB NB	
SIGNAL DESIGN SPEED	40 40 25 30	
GRADE (%)	0 0 0 -1	



PLANS PREPARED BY:

AECOM

10 Patwood Drive
Building VI, Suite 500
Greenville, SC 29615
Phone: 864-234-3000

SCALE IN FEET



NOTE:

All work to be performed within SCDOT Right of Way.

Coordinate with Existing Utilities for Placement of Conduit and Pole Foundations.

Return All Existing Traffic Signal Equipments, Poles and Signs to SCDOT.

Contact SCDOT Signal Shop before work begins.

SCDOT
South Carolina Department of Transportation

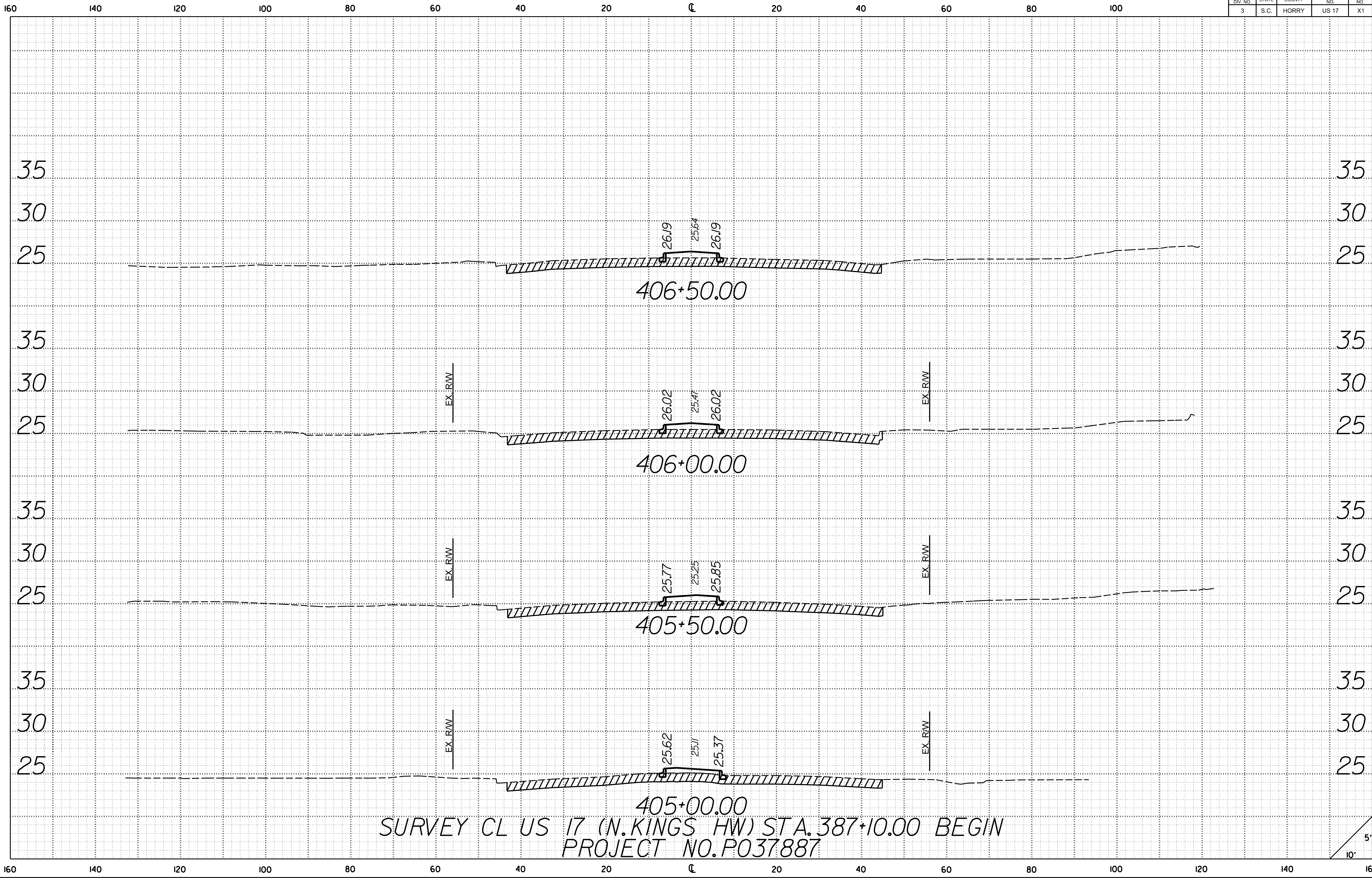
Post Office Box 191
Columbia, South Carolina 29202

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DATE	REVISIONS	SOUTH CAROLINA DEPARTMENT OF TRANSPORTATION ENGINEERING DIVISION COLUMBIA, S.C.			
		SUBJECT TITLE TRAFFIC SIGNAL PLAN			
		SPECIFIC LOCATION INTERSECTION OF US 17 AT 27TH AVENUE SOUTH			
		CITY N. MYRTLE BEACH	COUNTY HORRY		
		APPROVED BY			
DESIGNED FY		DISTRICT # TRAFFIC ENGINEER		ENGINEER	
DRAWN		SCALE		DATE	
CHECKED RG		SHEET NO.		INDEX NO.	
REVIEWED		1"= 30 '		4/5/2023	
RECOMMENDED		6 OF 6		5669	

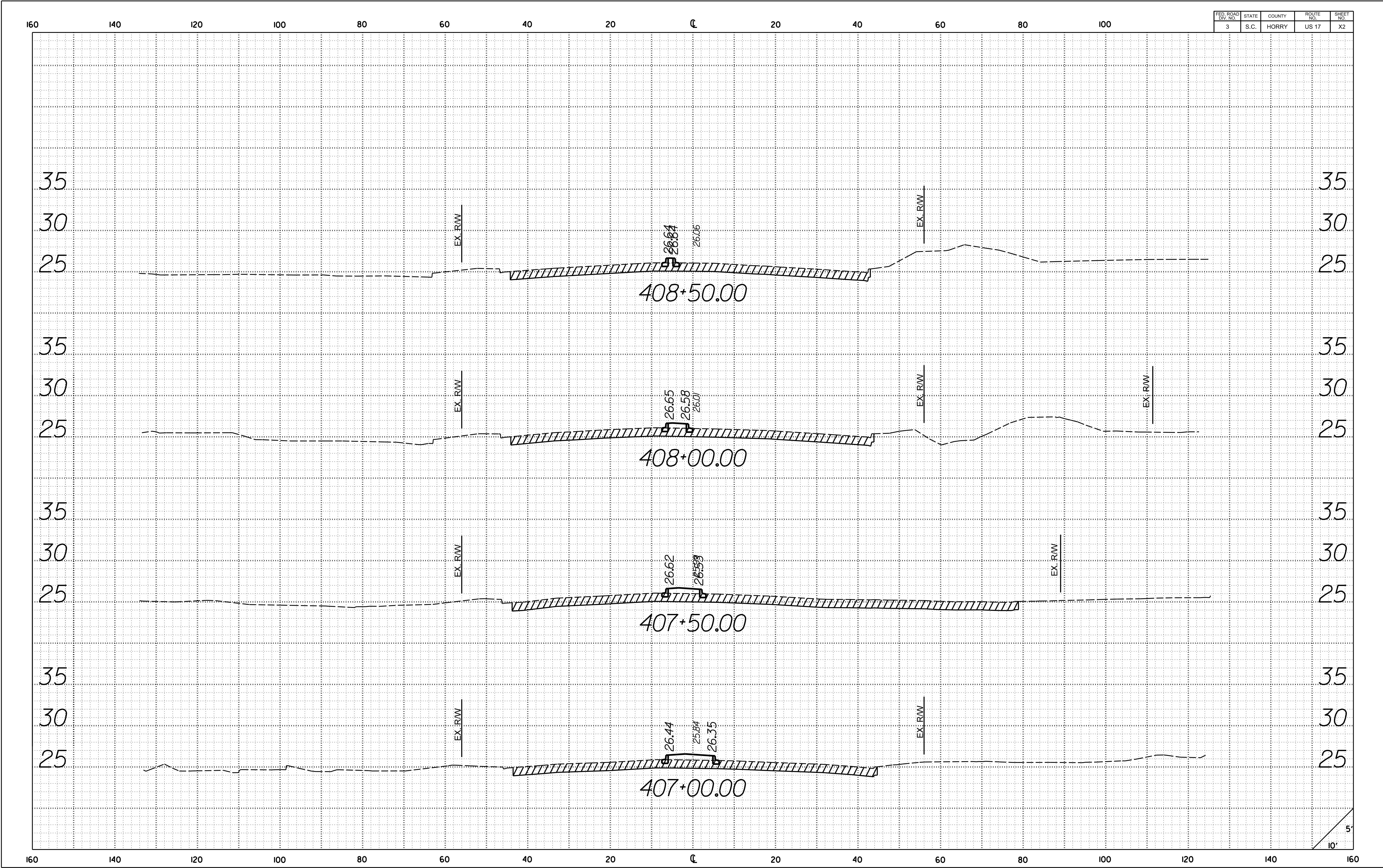
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5/8/2024
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FED. ROAD DIV. NO.	STATE	COUNTY	ROUTE NO.	SHEET NO.
3	S.C.	HORRY	US 17	X1



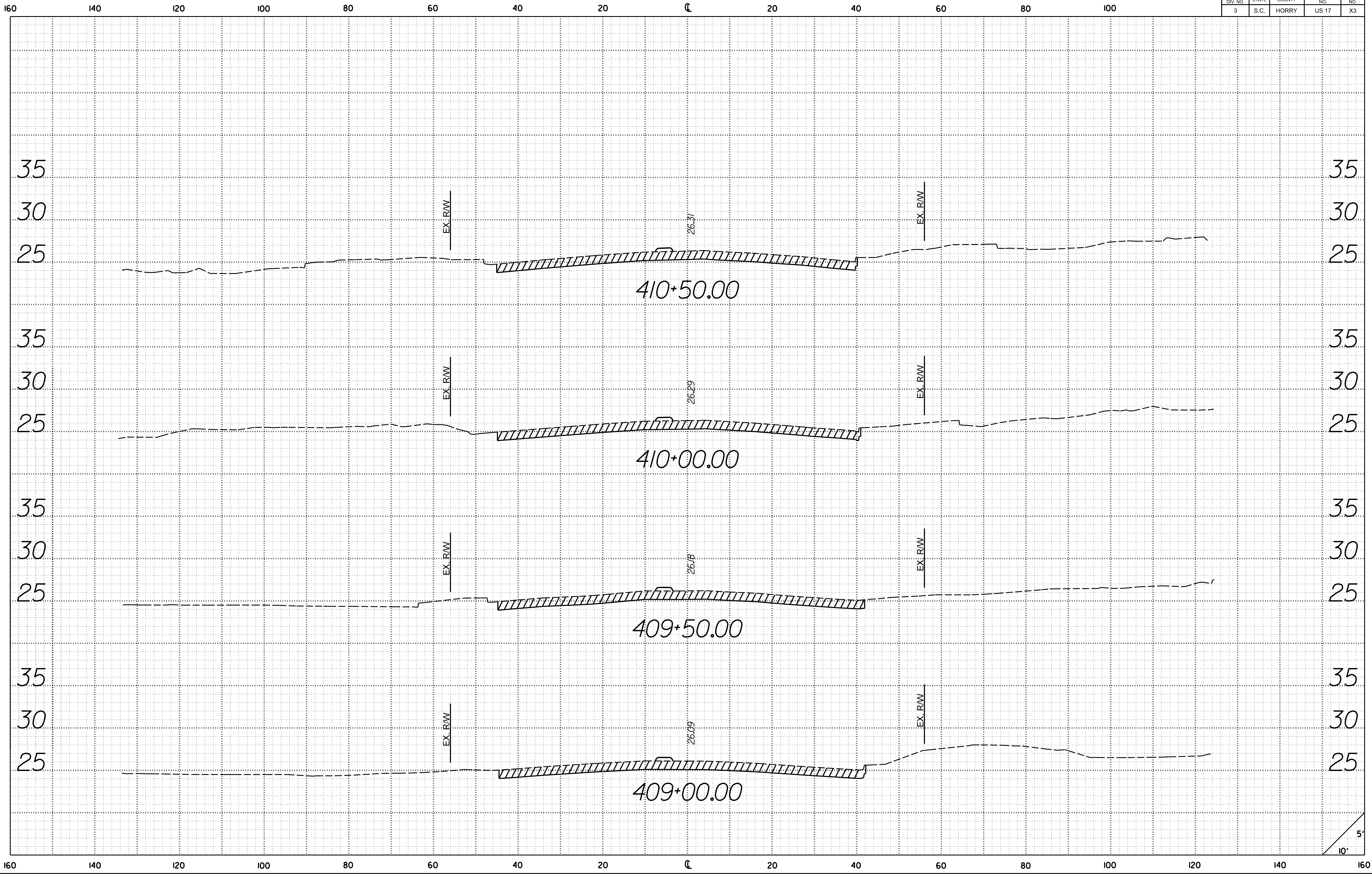
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3	S.C.	HORRY	US 17	X2



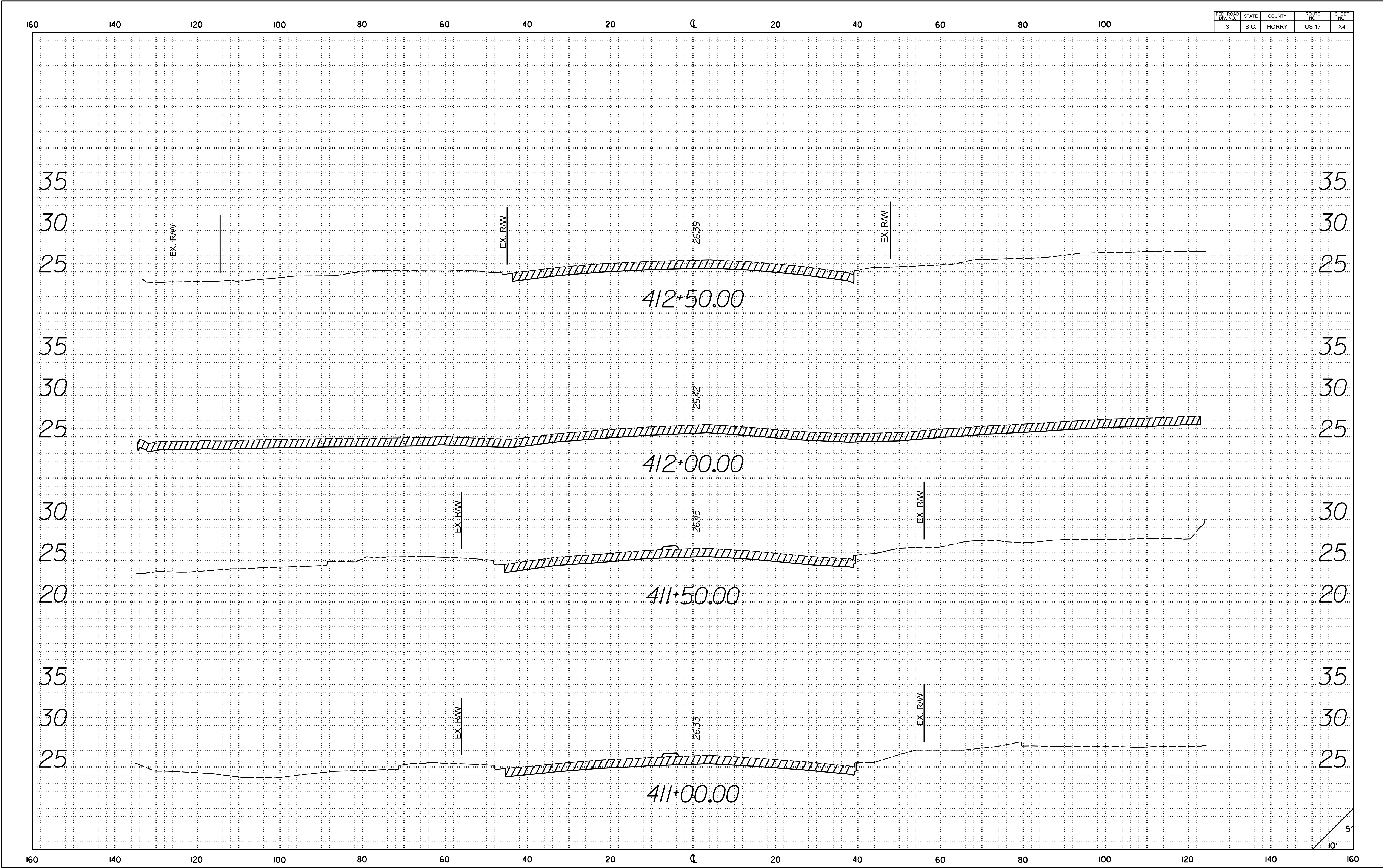
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3	S.C.	HORRY	US 17	X3



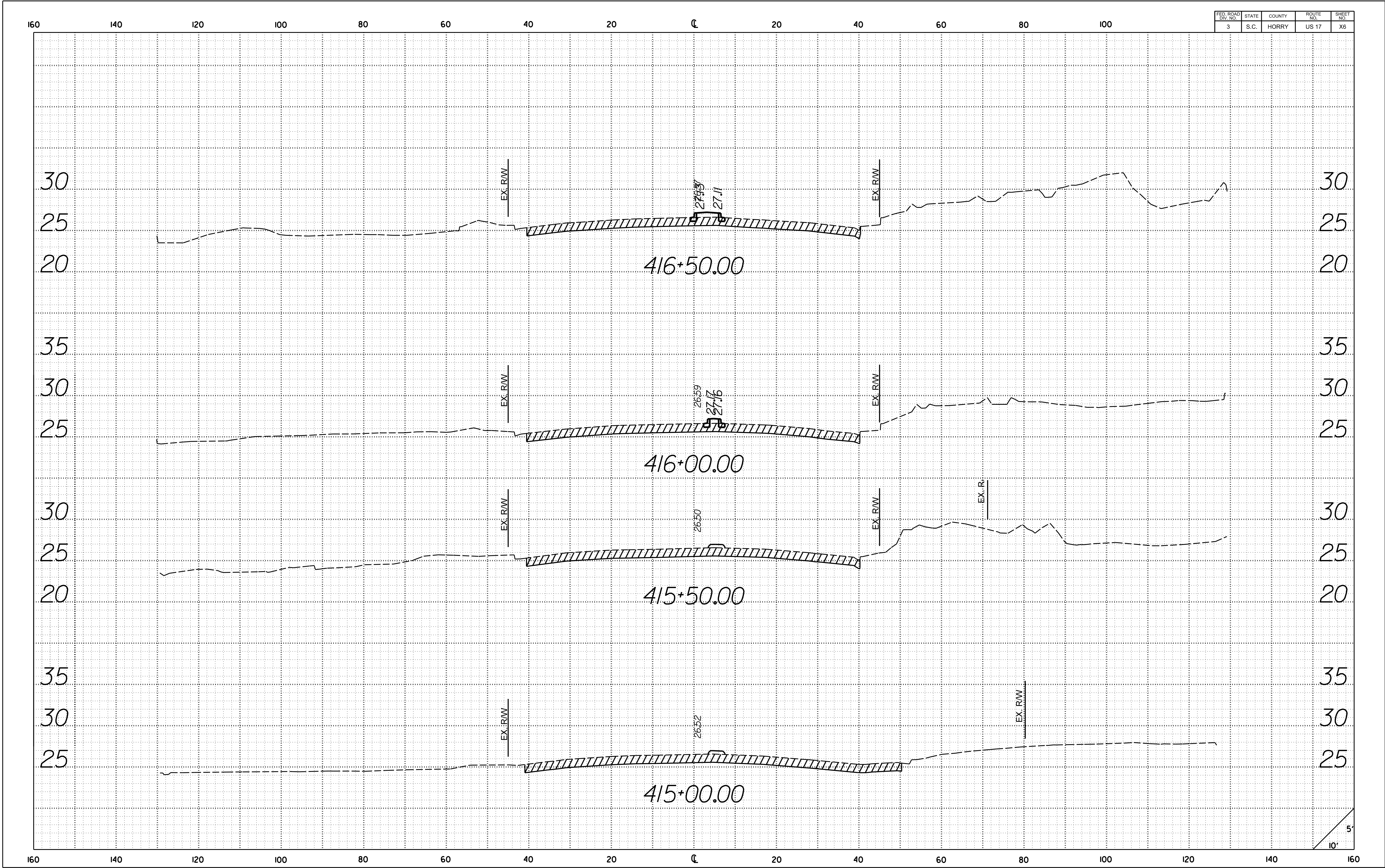
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FED. ROAD DIV. NO.	STATE	COUNTY	ROUTE NO.	SHEET NO.
3	S.C.	HORRY	US 17	X4



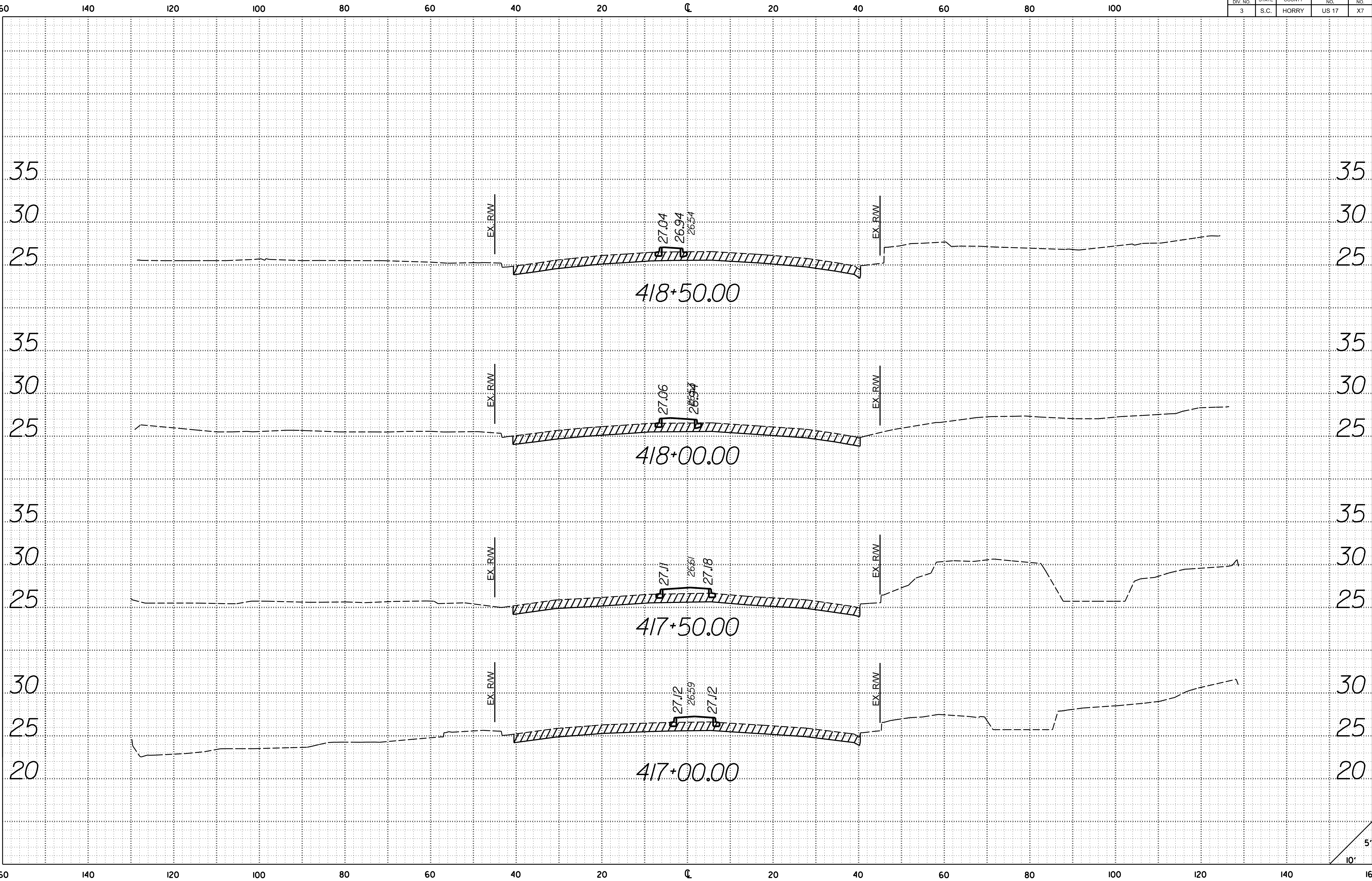
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FED. ROAD DIV. NO.	STATE	COUNTY	ROUTE NO.	SHEET NO.
3	S.C.	HORRY	US 17	X6



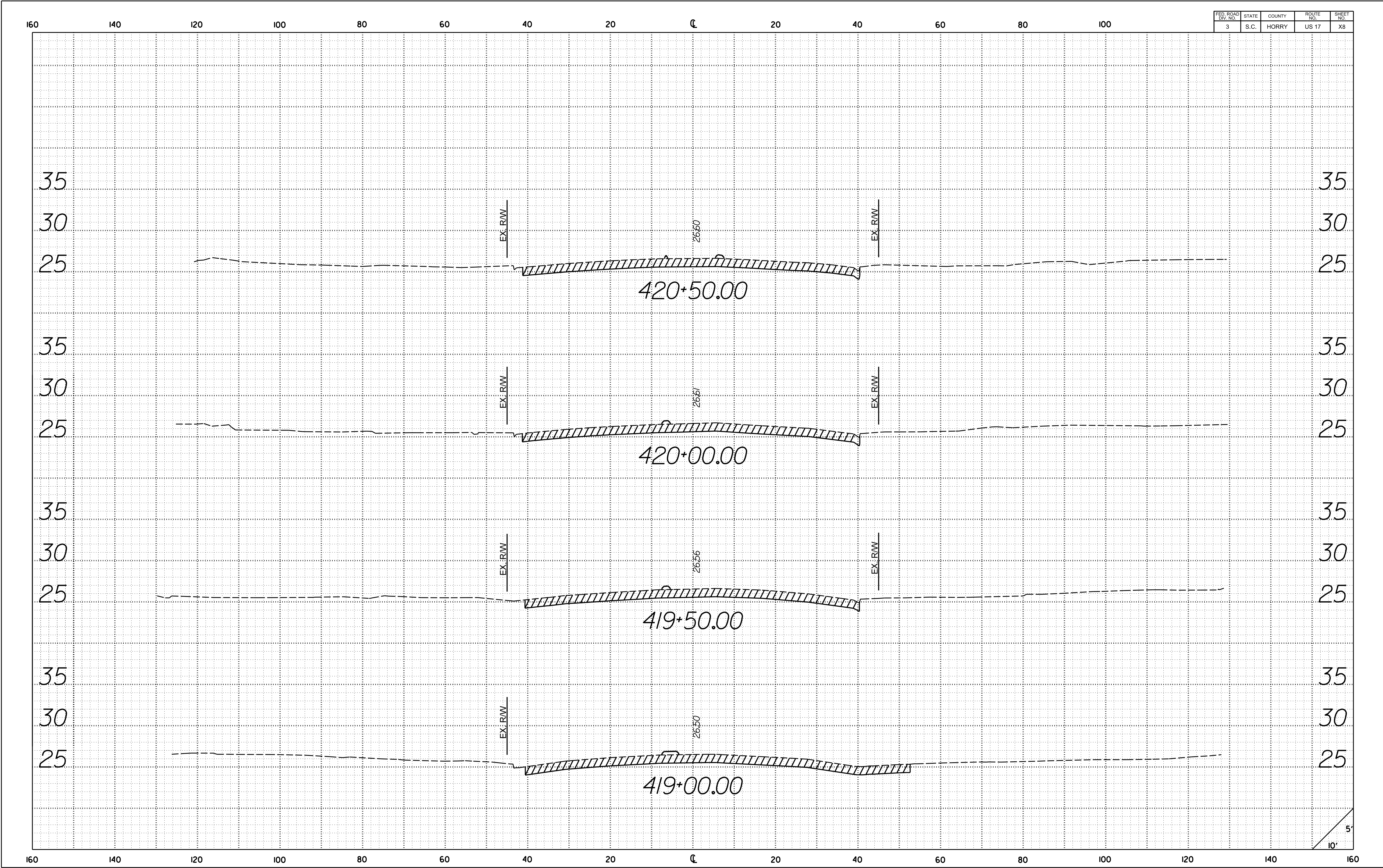
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FED. ROAD DIV. NO.	STATE	COUNTY	ROUTE NO.	SHEET NO.
3	S.C.	HORRY	US 17	X7



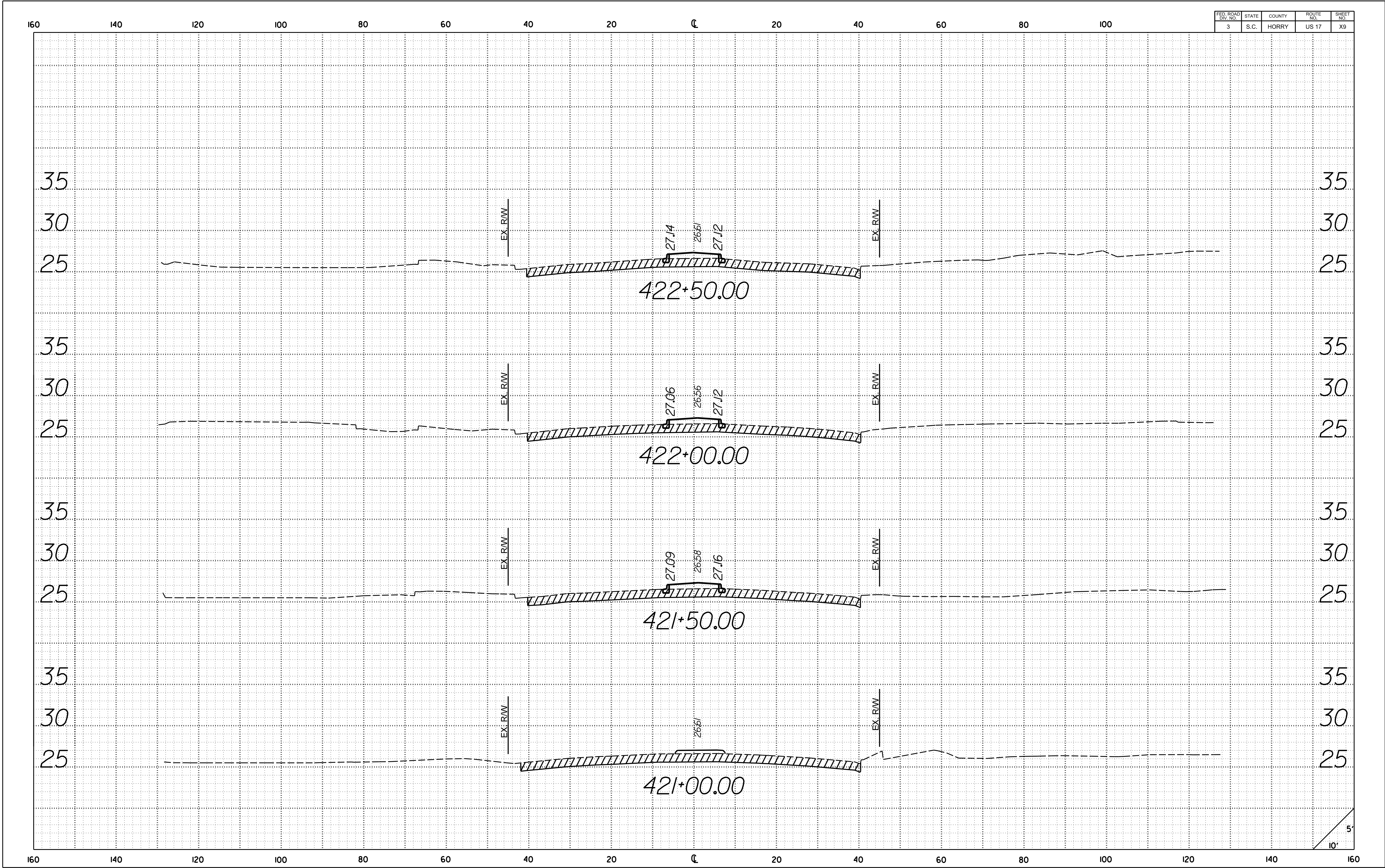
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FED. ROAD DIV. NO.	STATE	COUNTY	ROUTE NO.	SHEET NO.
3	S.C.	HORRY	US 17	X8



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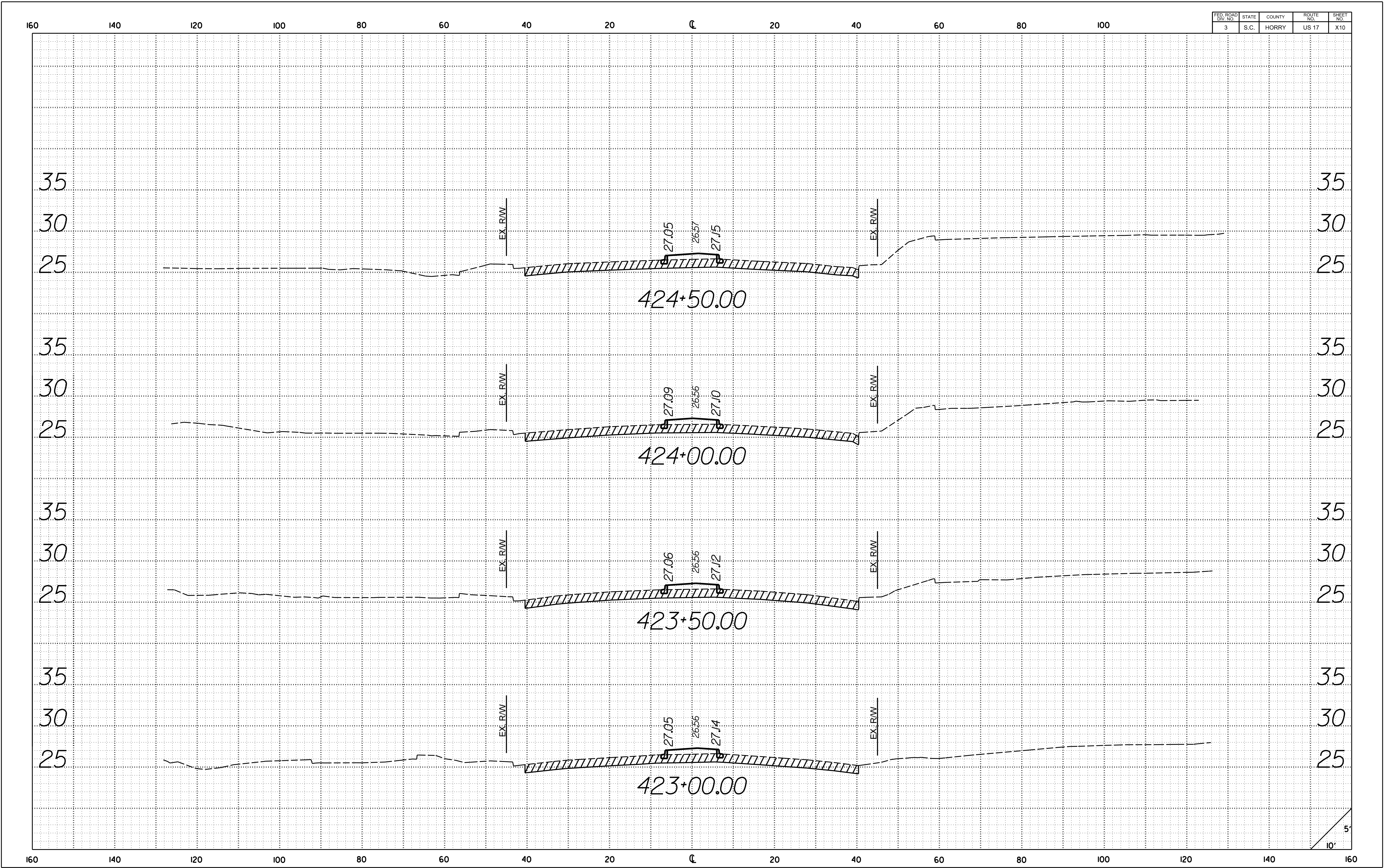
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3	S.C.	HORRY	US 17	X9



5'
10'

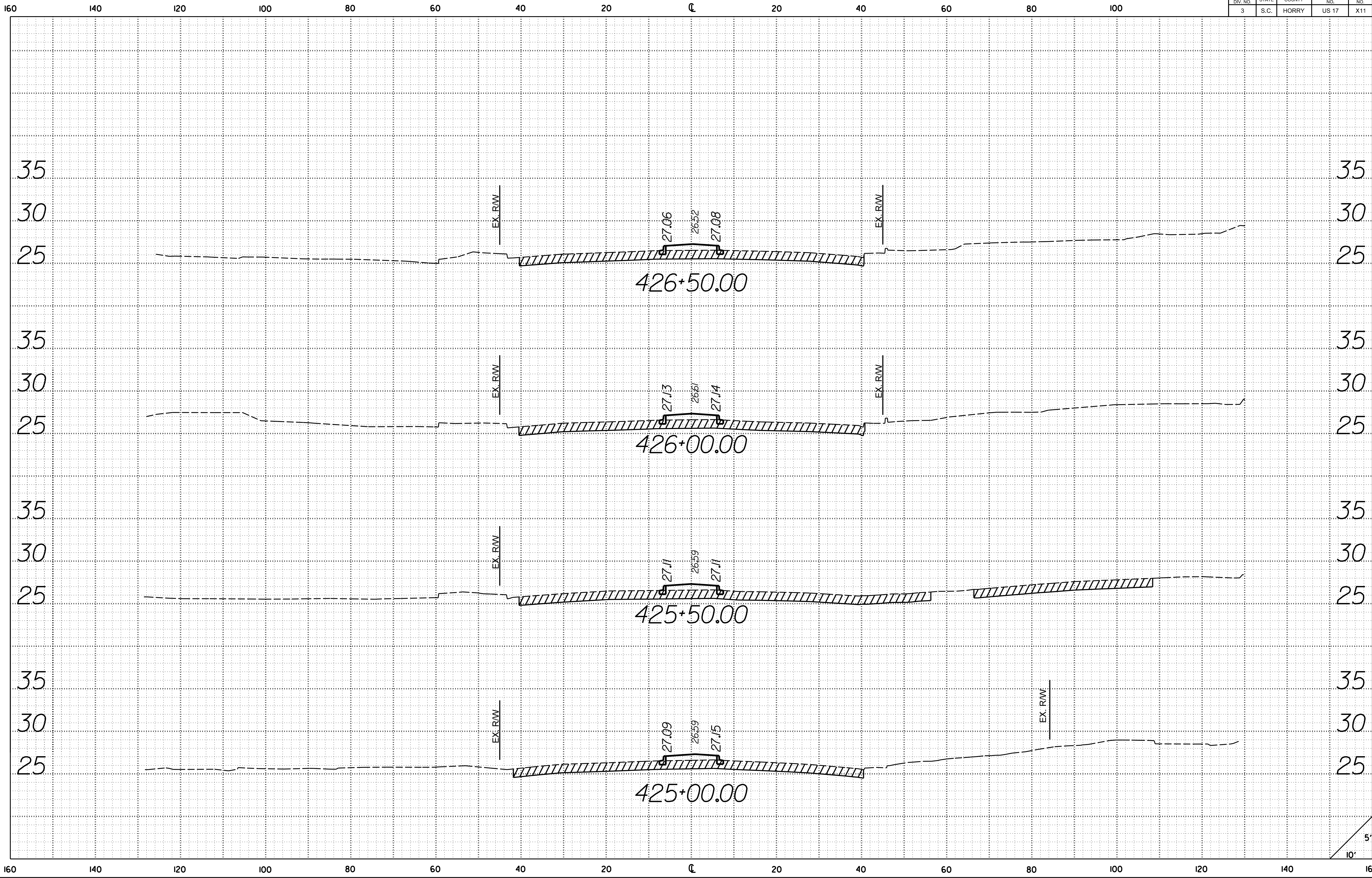
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FED. ROAD DIV. NO.	STATE	COUNTY	ROUTE NO.	SHEET NO.
3	S.C.	HORRY	US 17	X10



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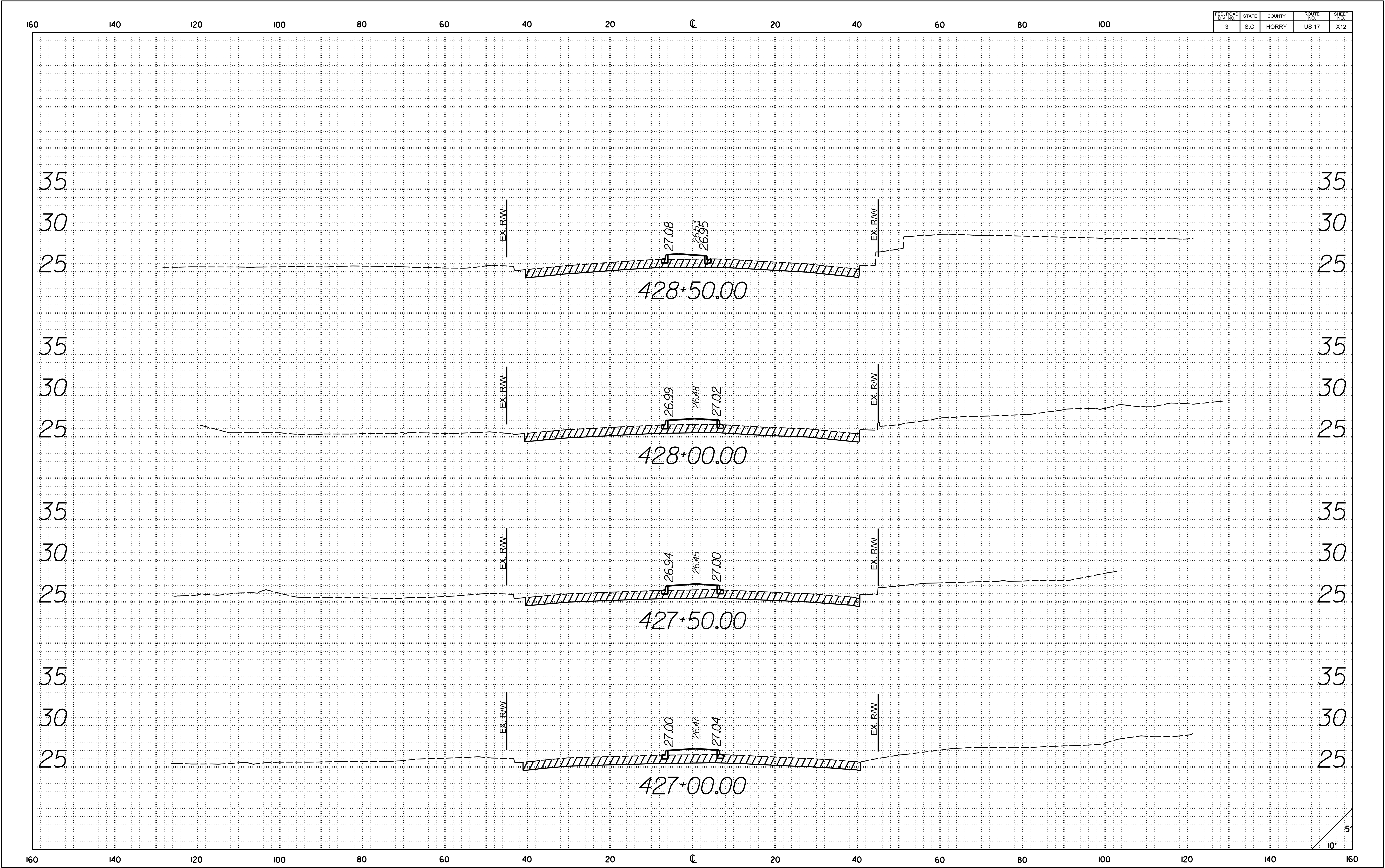
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3	S.C.	HORRY	US 17	X11



5'
10'

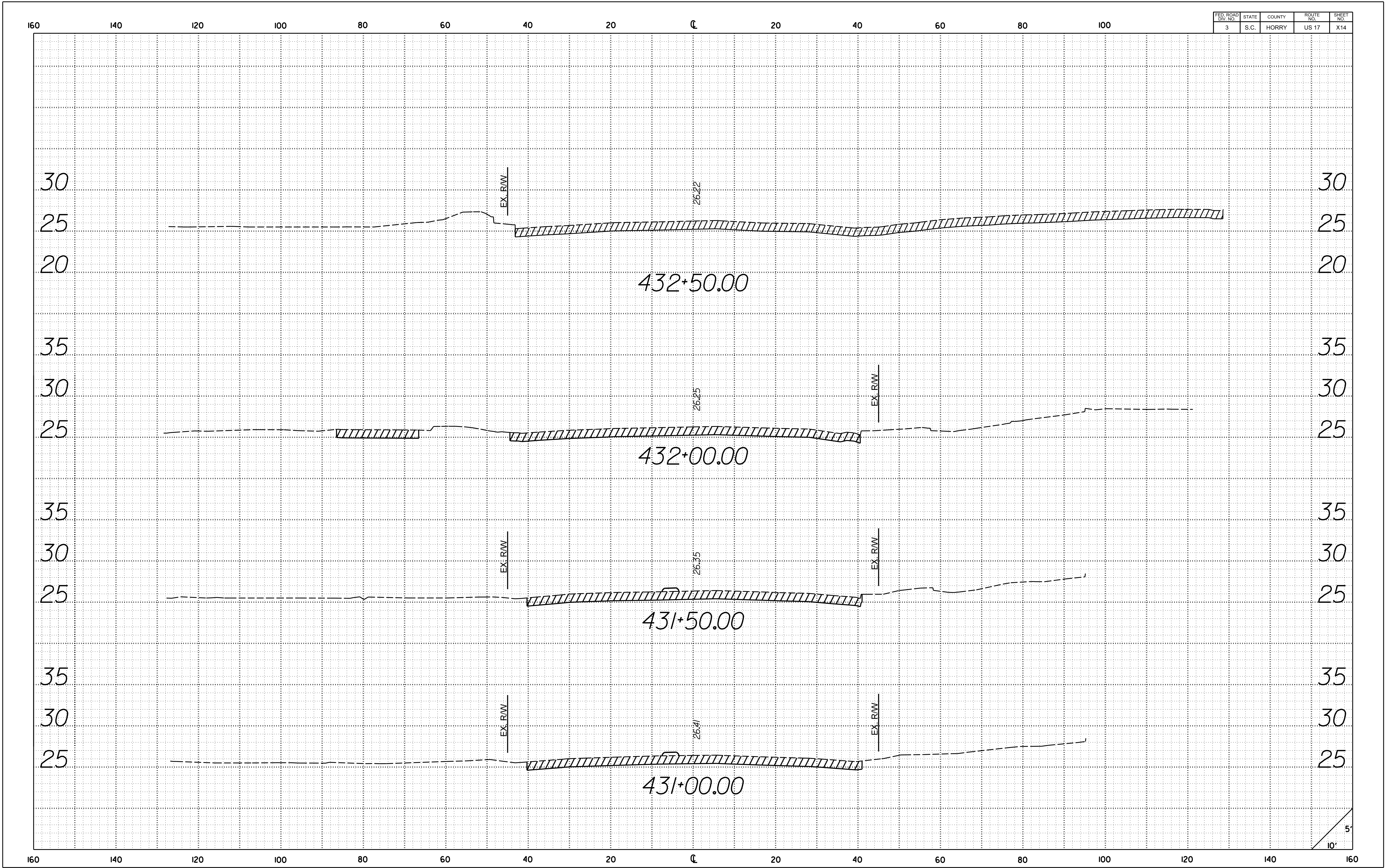
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FED. ROAD DIV. NO.	STATE	COUNTY	ROUTE NO.	SHEET NO.
3	S.C.	HORRY	US 17	X12



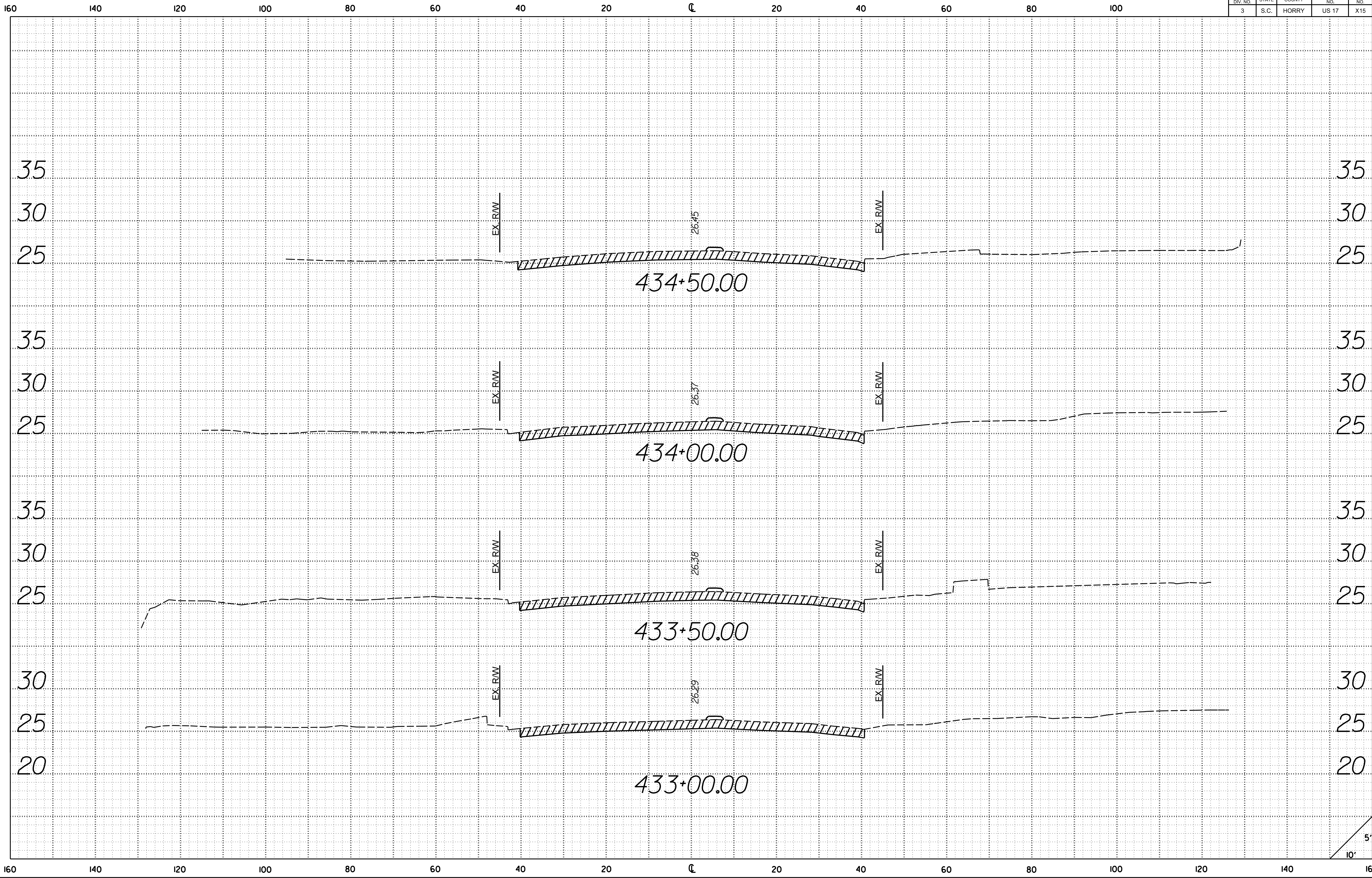
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FED. ROAD DIV. NO.	STATE	COUNTY	ROUTE NO.	SHEET NO.
3	S.C.	HORRY	US 17	X14



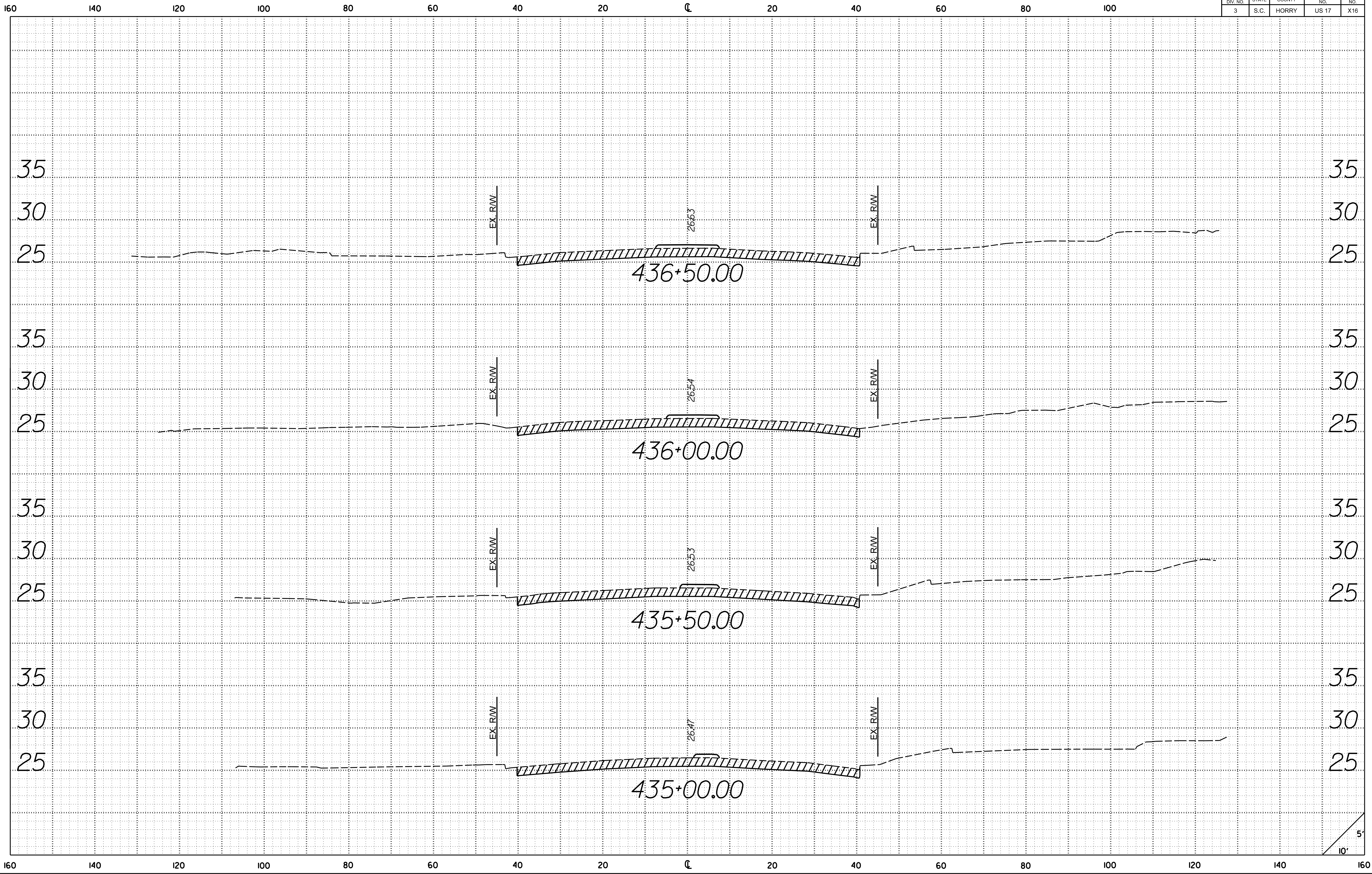
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5/8/2024
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FED. ROAD DIV. NO.	STATE	COUNTY	ROUTE NO.	SHEET NO.
3	S.C.	HORRY	US 17	X15



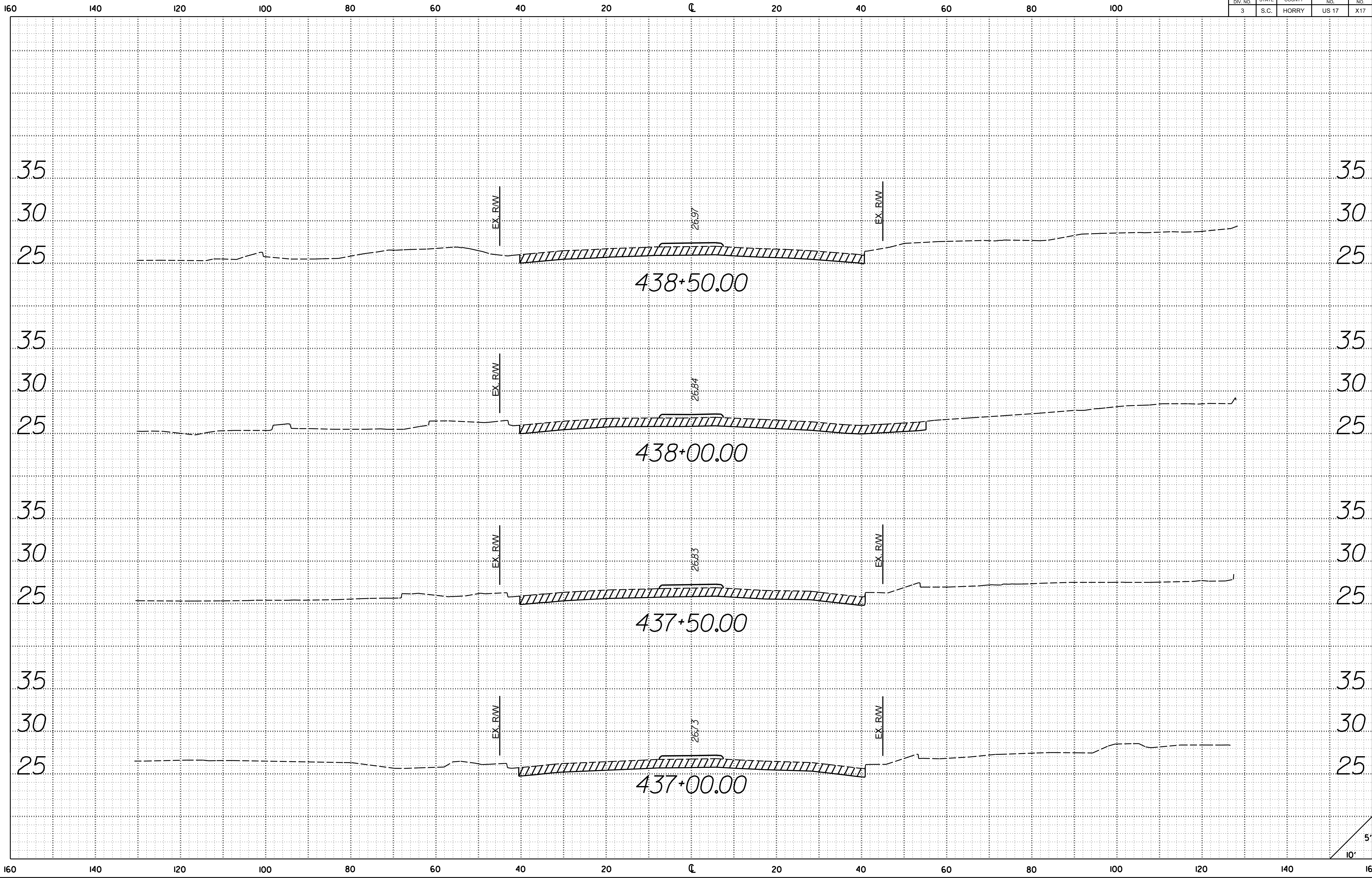
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FED. ROAD DIV. NO.	STATE	COUNTY	ROUTE NO.	SHEET NO.
3	S.C.	HORRY	US 17	X16



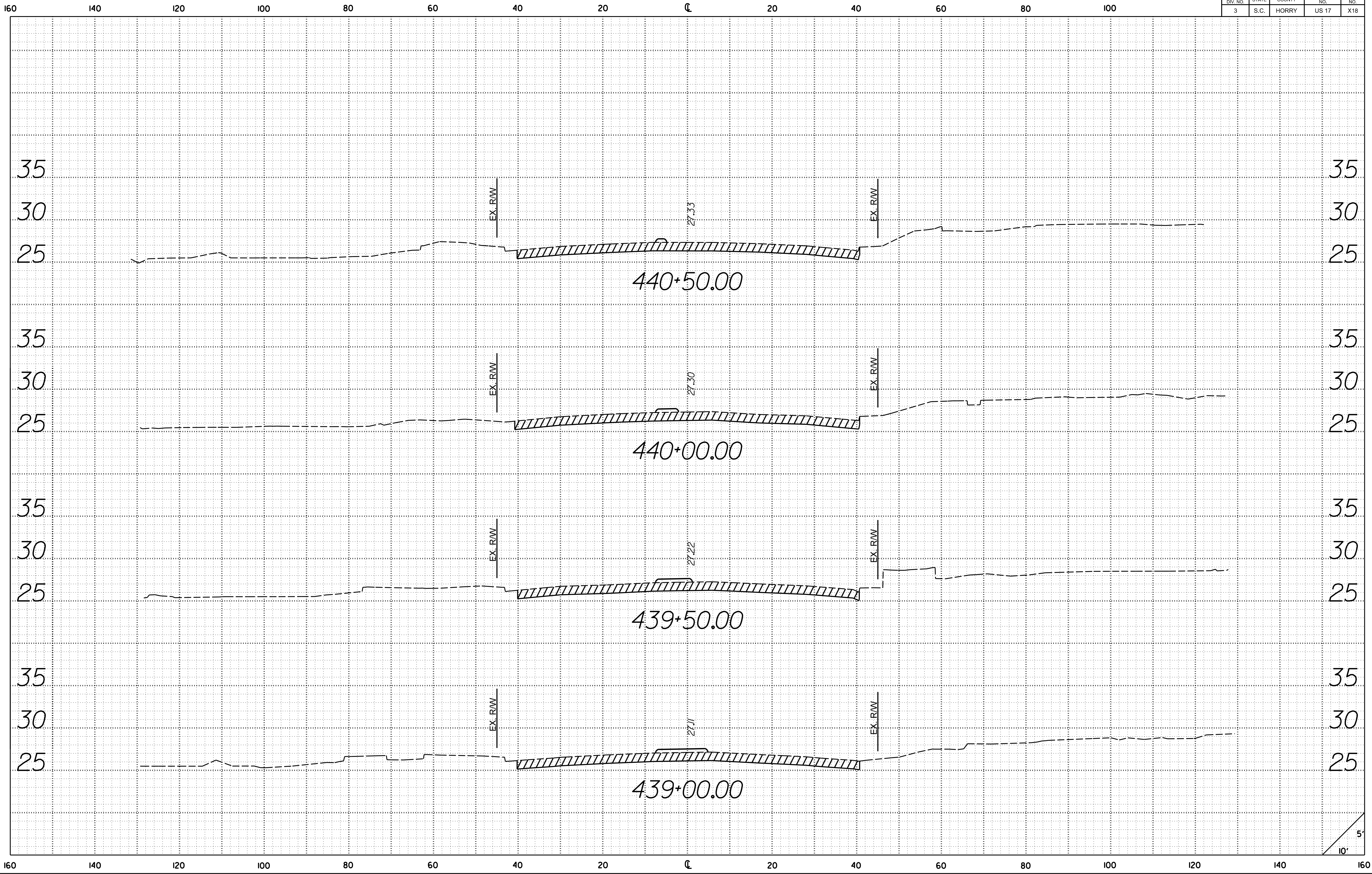
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FED. ROAD DIV. NO.	STATE	COUNTY	ROUTE NO.	SHEET NO.
3	S.C.	HORRY	US 17	X17



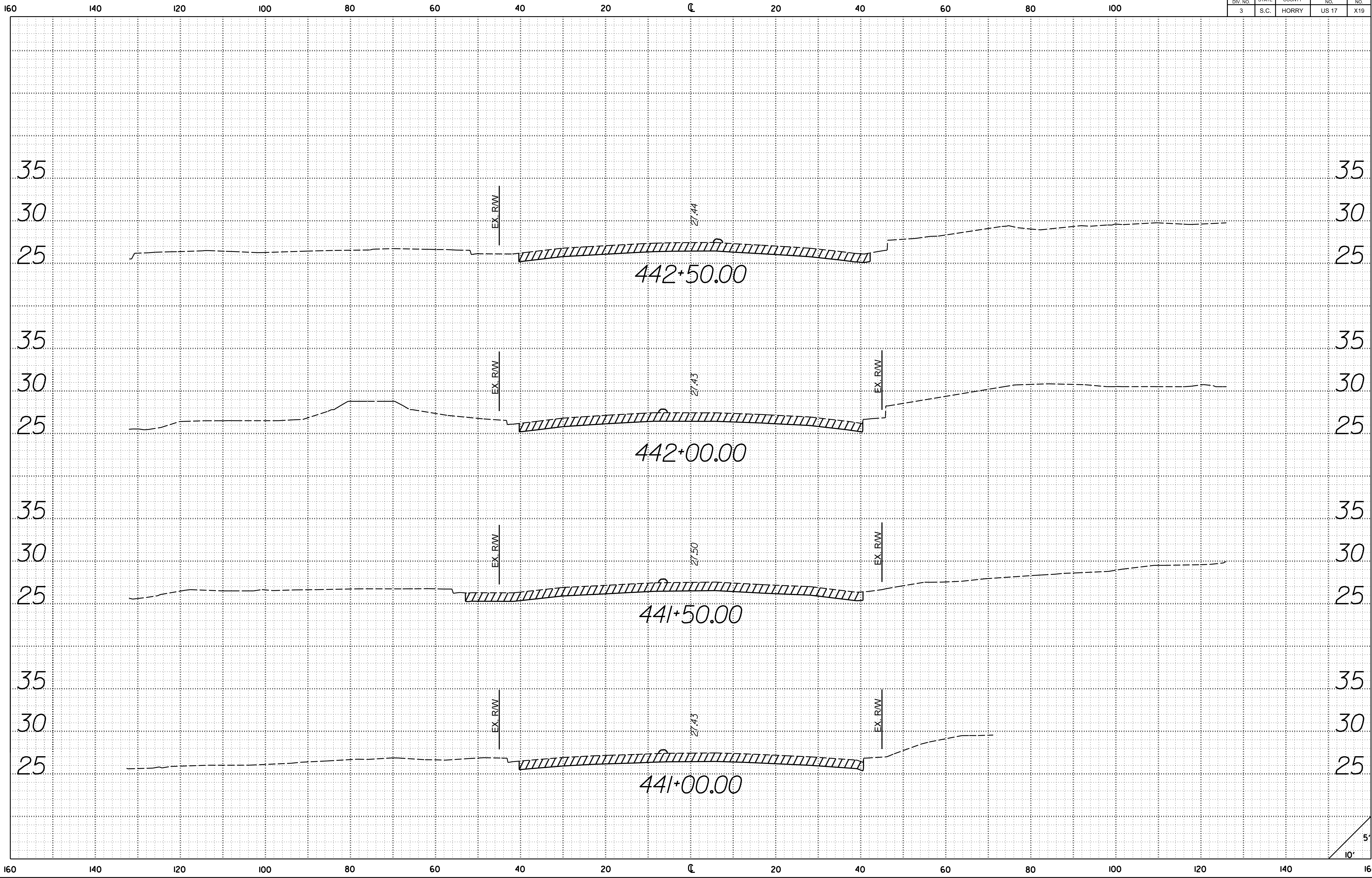
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FED. ROAD DIV. NO.	STATE	COUNTY	ROUTE NO.	SHEET NO.
3	S.C.	HORRY	US 17	X18



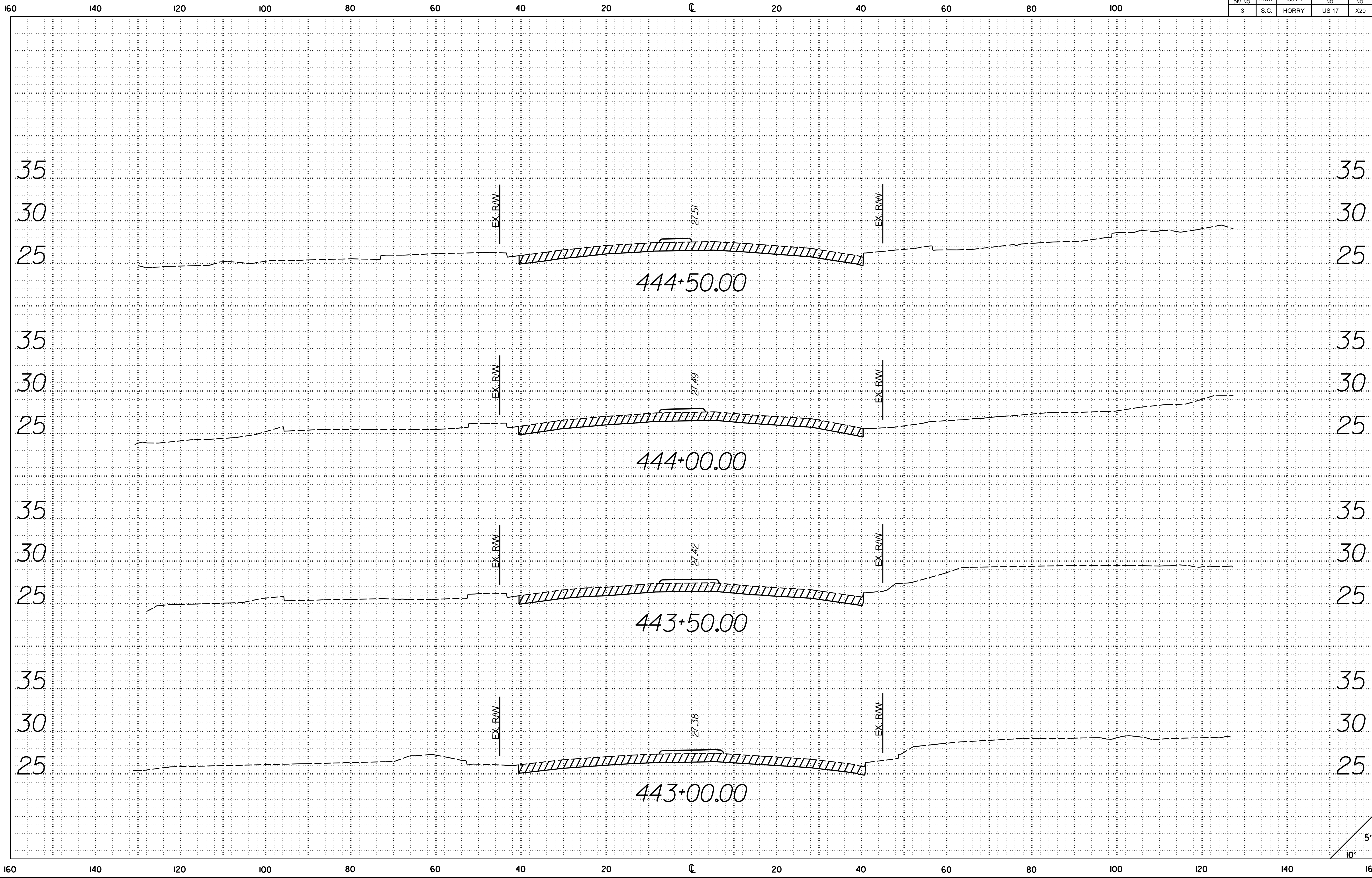
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FED. ROAD DIV. NO.	STATE	COUNTY	ROUTE NO.	SHEET NO.
3	S.C.	HORRY	US 17	X19



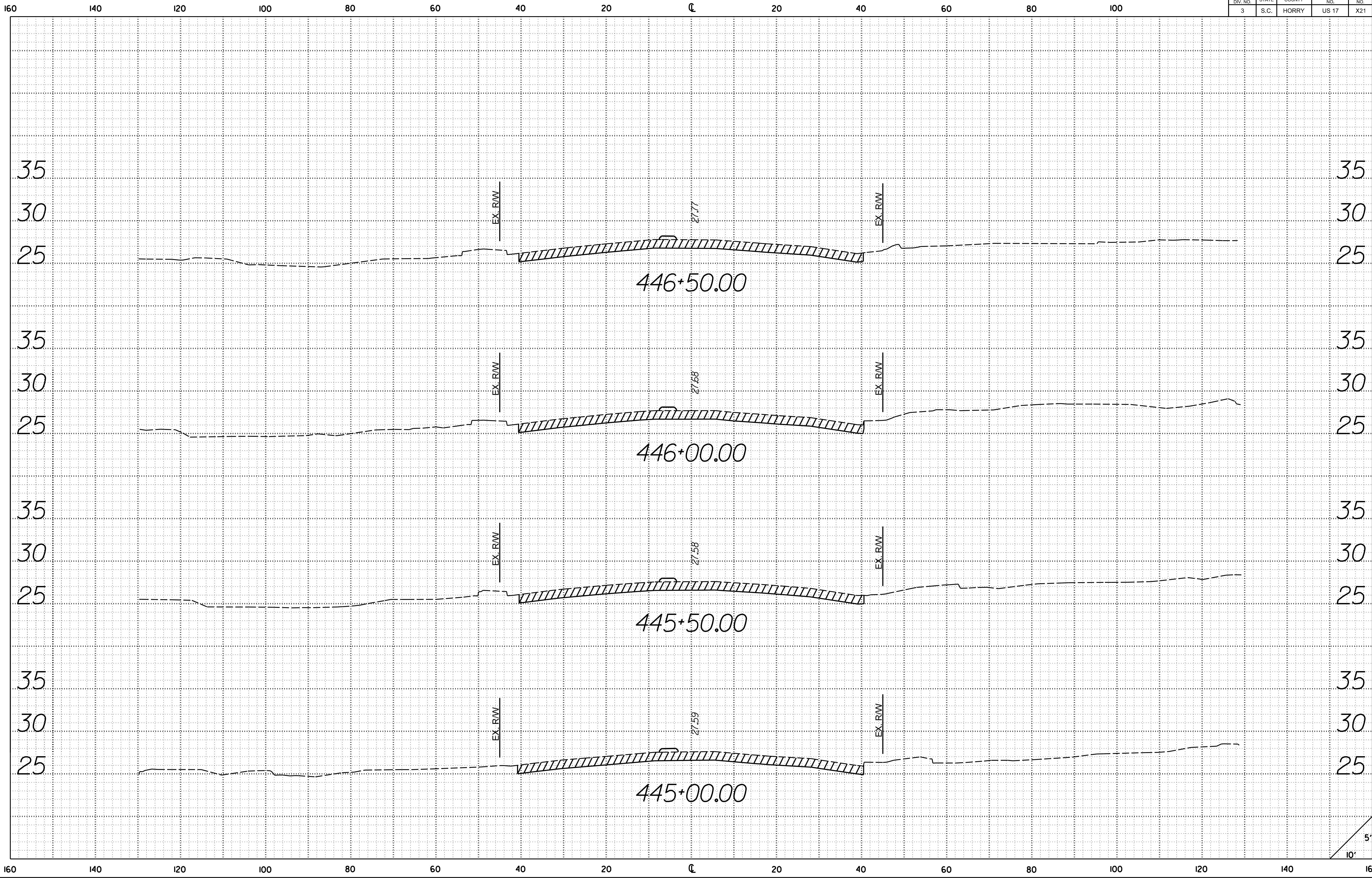
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FED. ROAD DIV. NO.	STATE	COUNTY	ROUTE NO.	SHEET NO.
3	S.C.	HORRY	US 17	X20



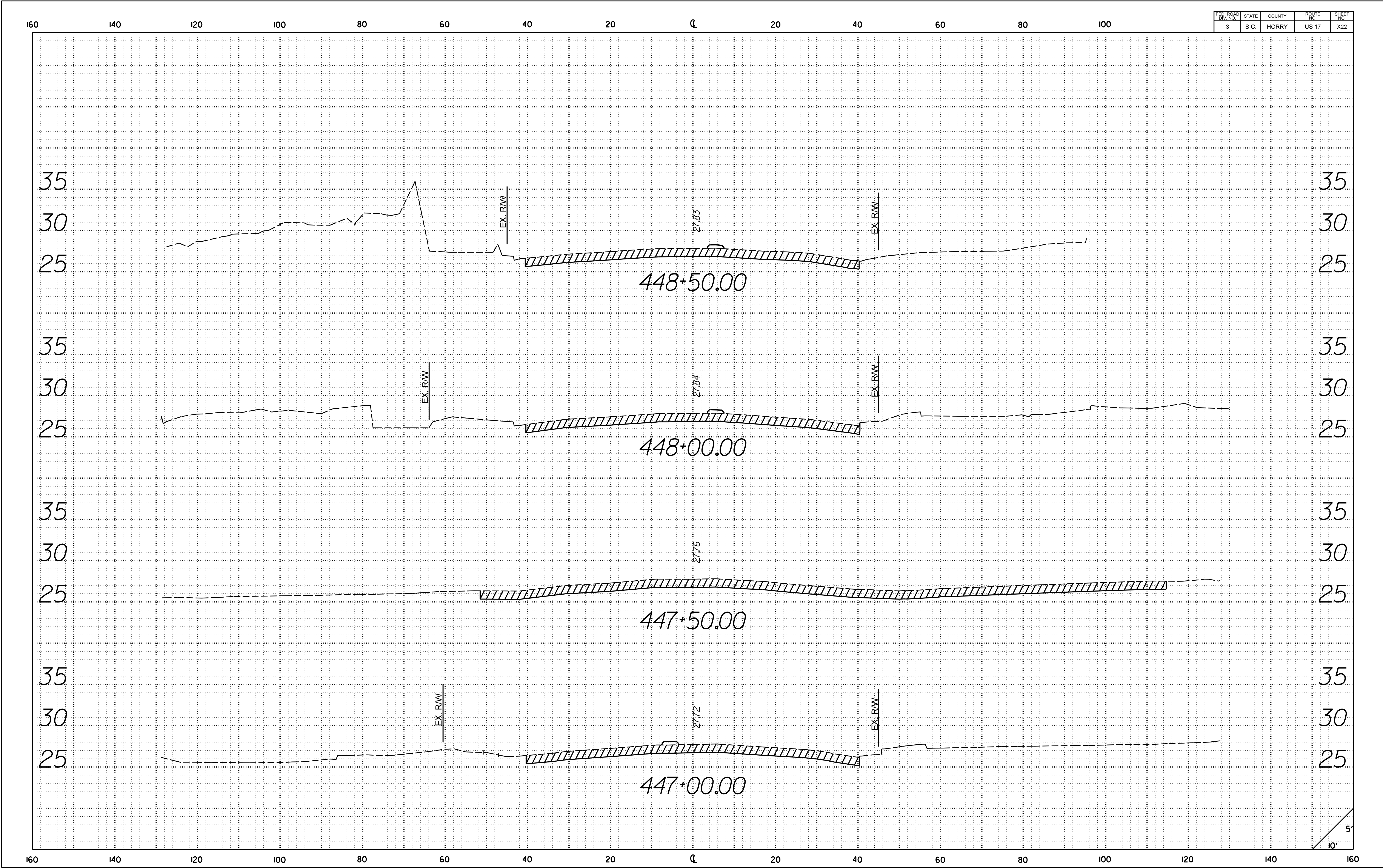
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FED. ROAD DIV. NO.	STATE	COUNTY	ROUTE NO.	SHEET NO.
3	S.C.	HORRY	US 17	X21



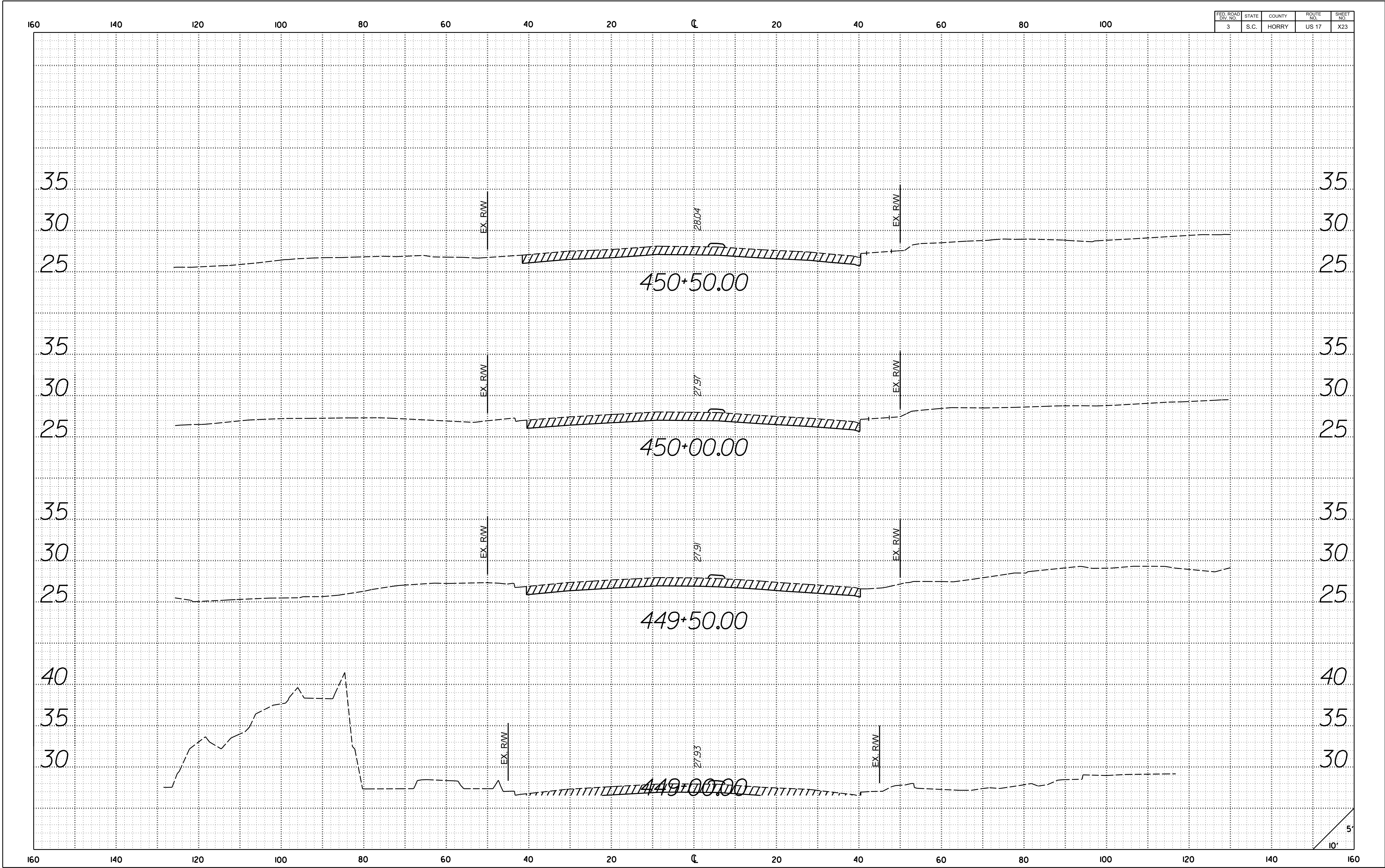
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FED. ROAD DIV. NO.	STATE	COUNTY	ROUTE NO.	SHEET NO.
3	S.C.	HORRY	US 17	X22



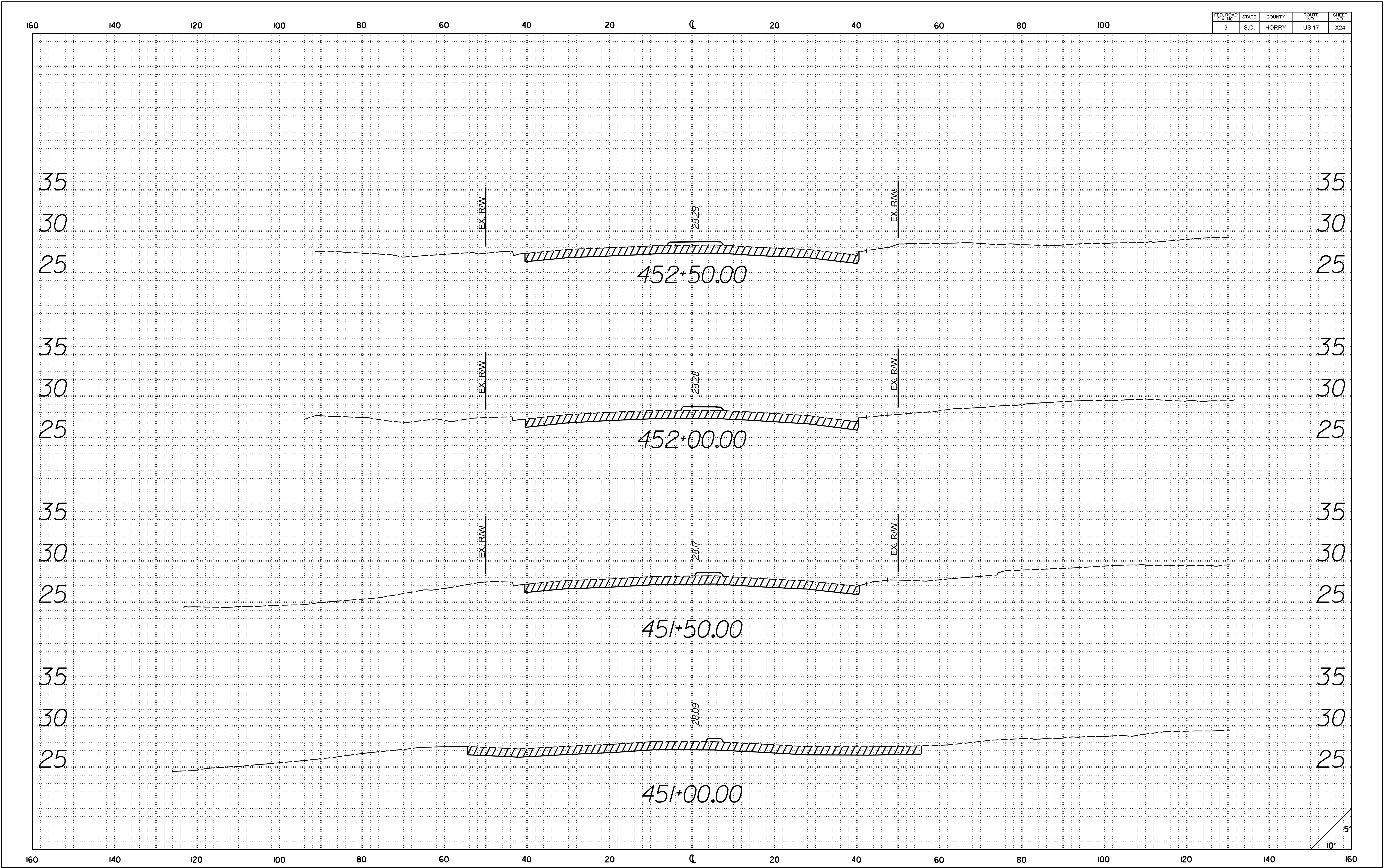
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FED. ROAD DIV. NO.	STATE	COUNTY	ROUTE NO.	SHEET NO.
3	S.C.	HORRY	US 17	X23



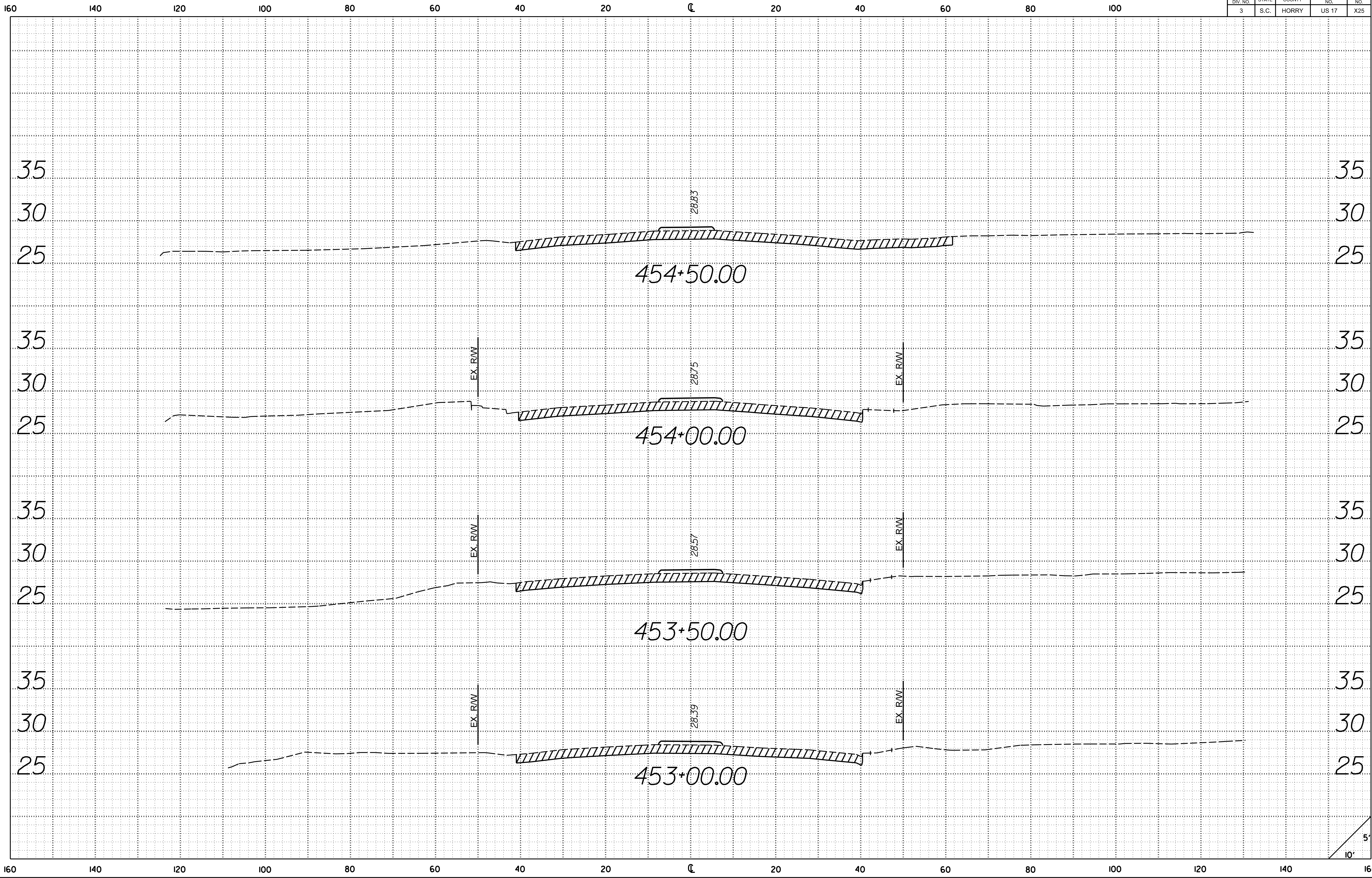
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FED. ROAD DIV. NO.	STATE	COUNTY	ROUTE NO.	SHEET NO.
3	S.C.	HORRY	US 17	X24



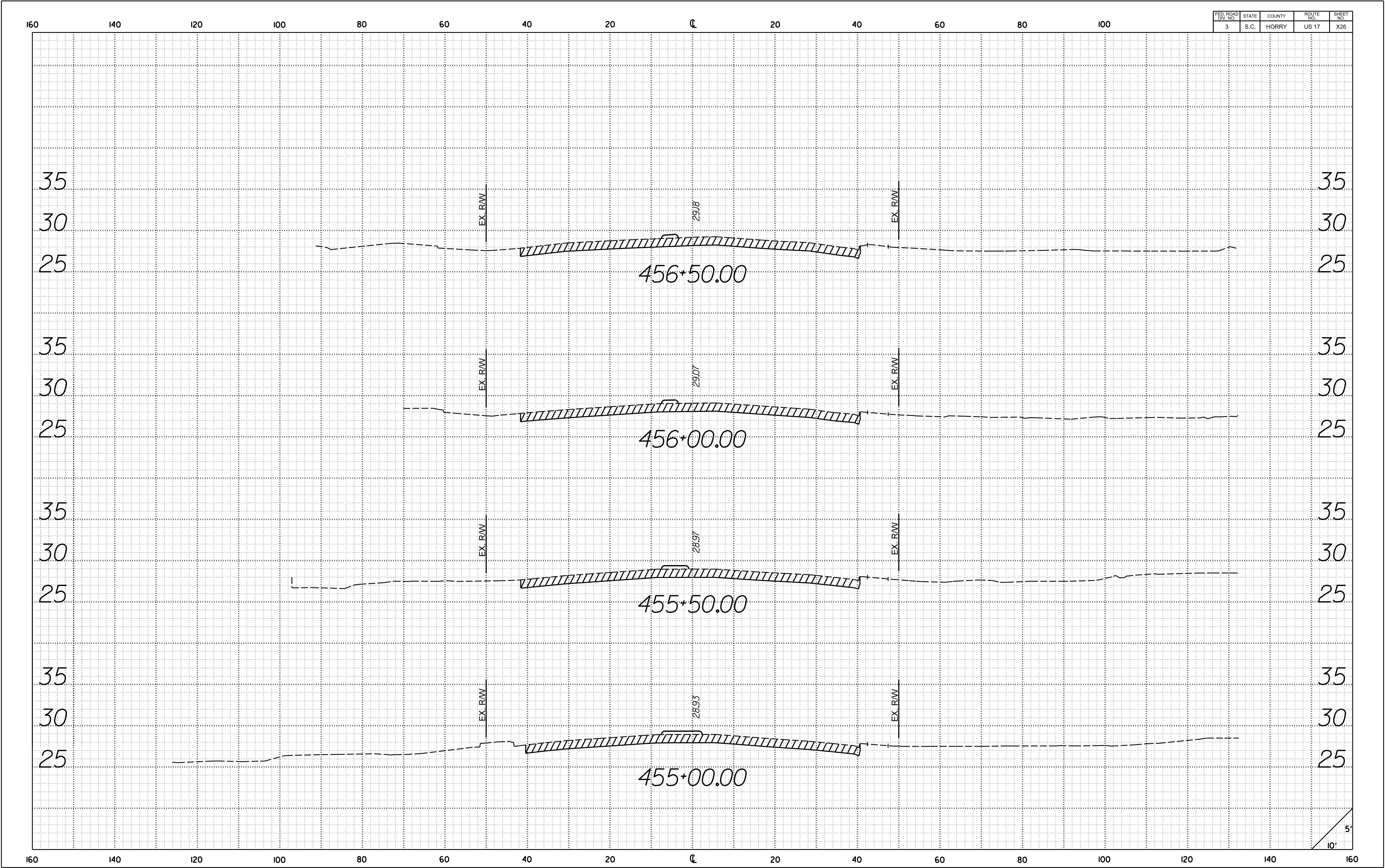
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FED. ROAD DIV. NO.	STATE	COUNTY	ROUTE NO.	SHEET NO.
3	S.C.	HORRY	US 17	X25



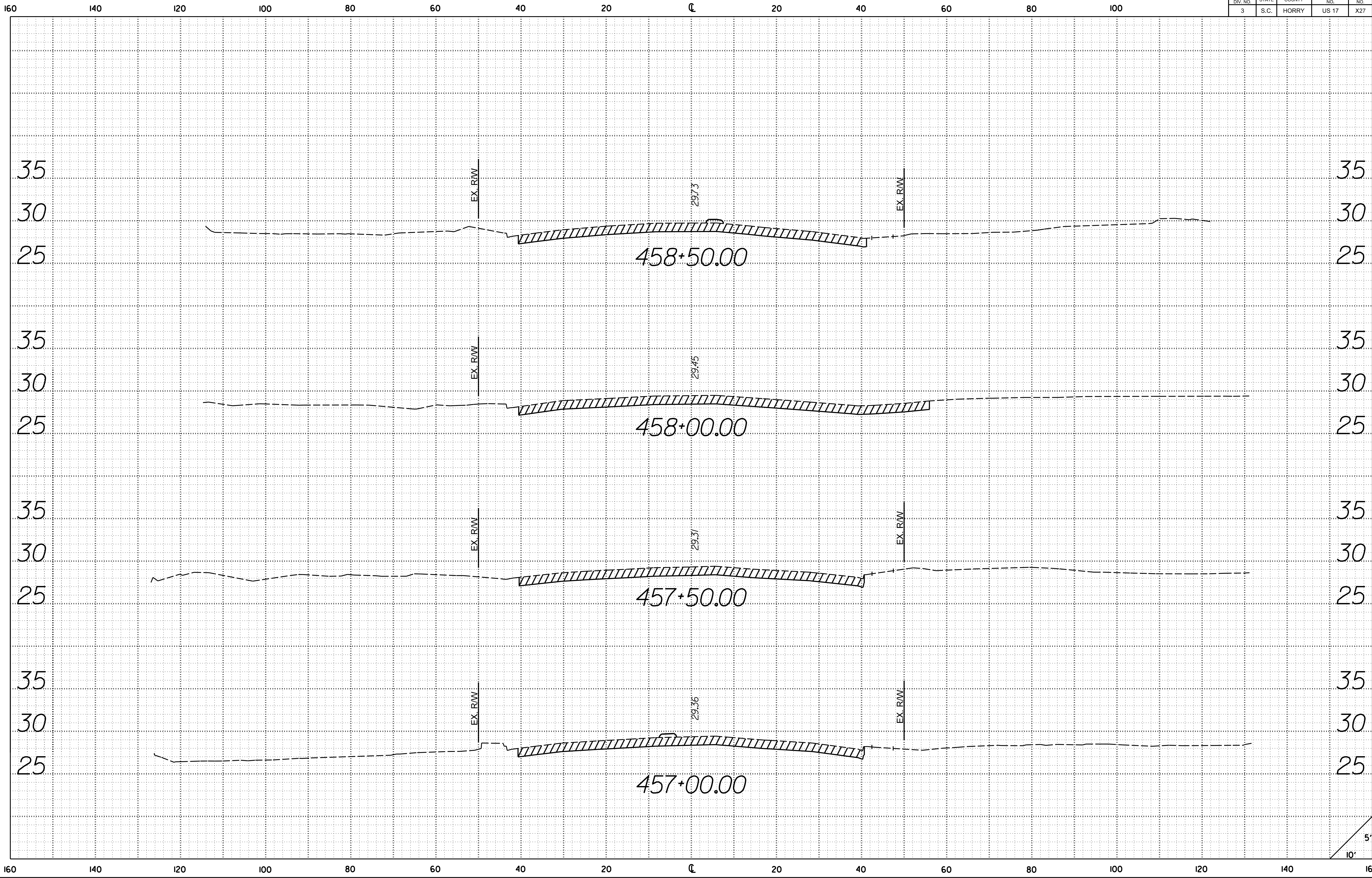
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FED. ROAD DIV. NO.	STATE	COUNTY	ROUTE NO.	SHEET NO.
3	S.C.	HORRY	US 17	X26



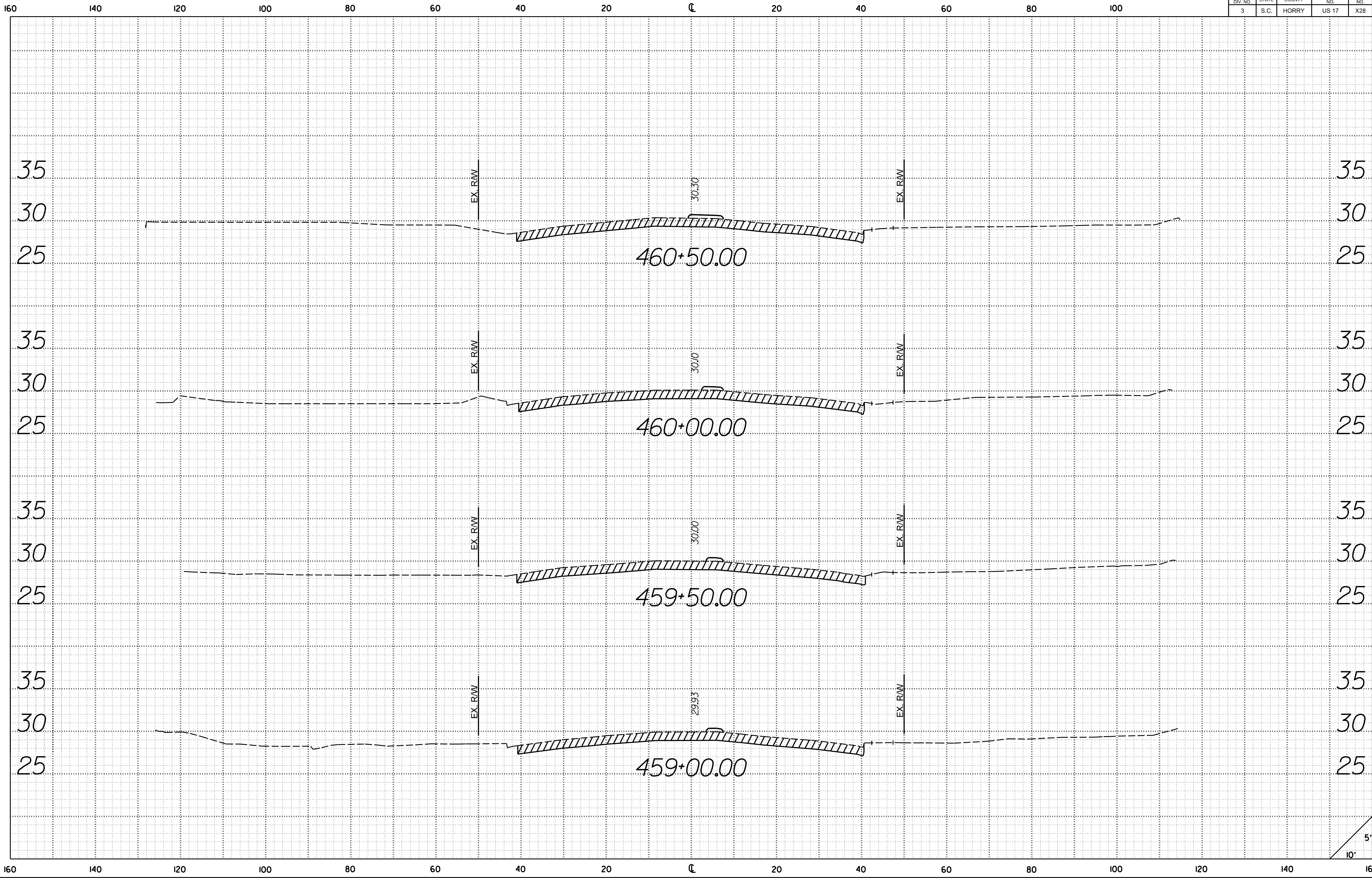
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FED. ROAD DIV. NO.	STATE	COUNTY	ROUTE NO.	SHEET NO.
3	S.C.	HORRY	US 17	X27



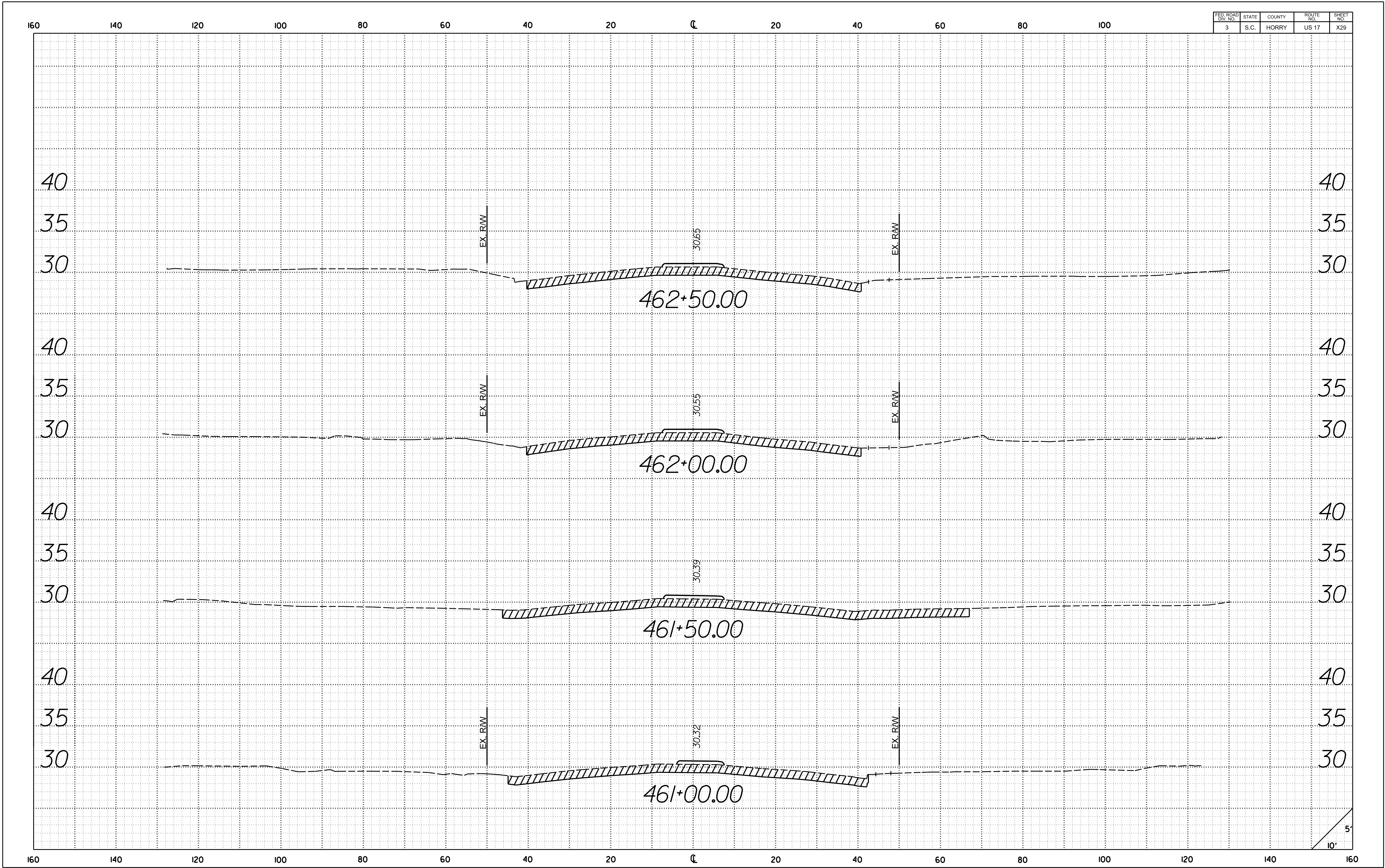
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FED. ROAD DIV. NO.	STATE	COUNTY	ROUTE NO.	SHEET NO.
3	S.C.	HORRY	US 17	X28



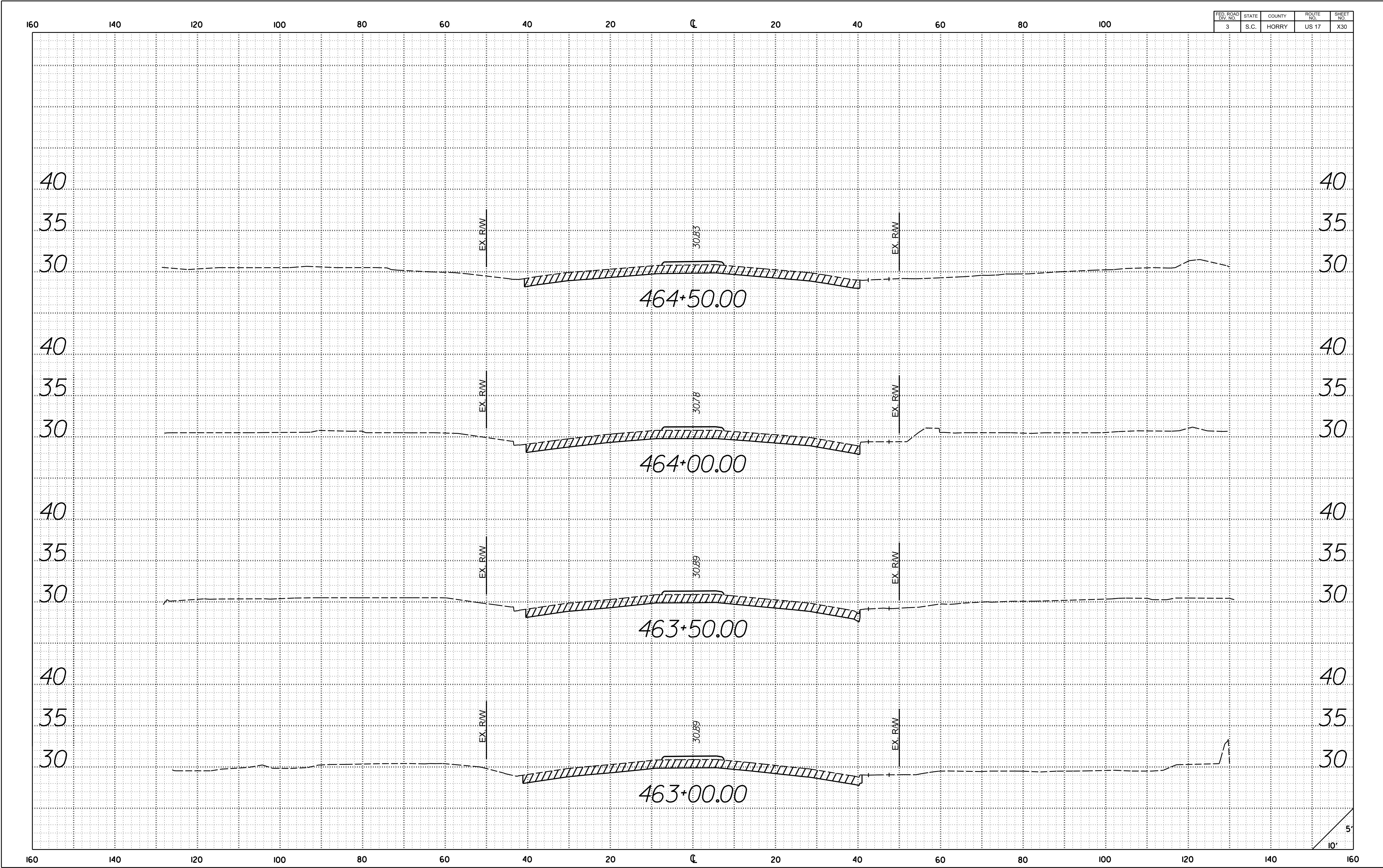
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FED. ROAD DIV. NO.	STATE	COUNTY	ROUTE NO.	SHEET NO.
3	S.C.	HORRY	US 17	X29



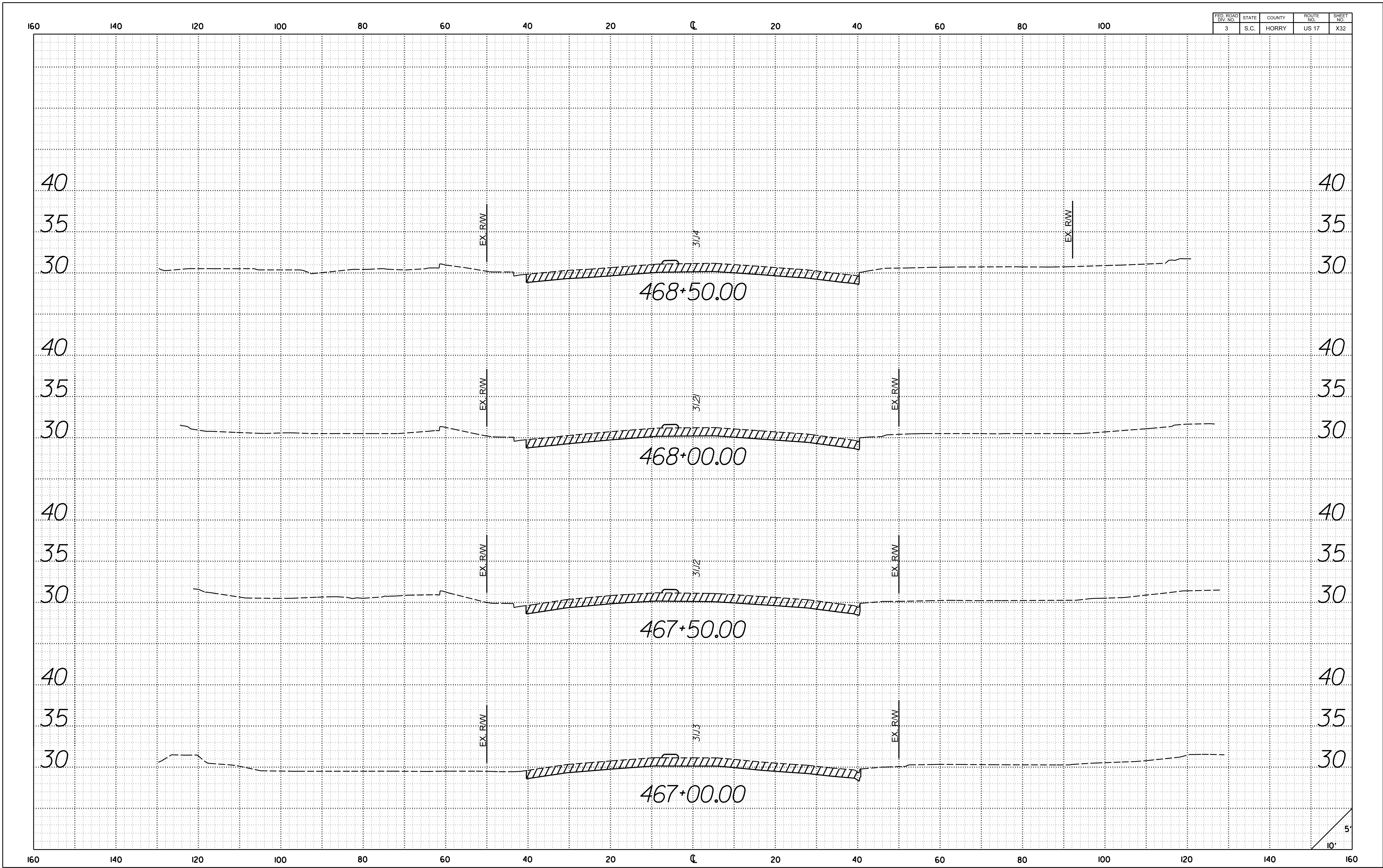
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FED. ROAD DIV. NO.	STATE	COUNTY	ROUTE NO.	SHEET NO.
3	S.C.	HORRY	US 17	X30



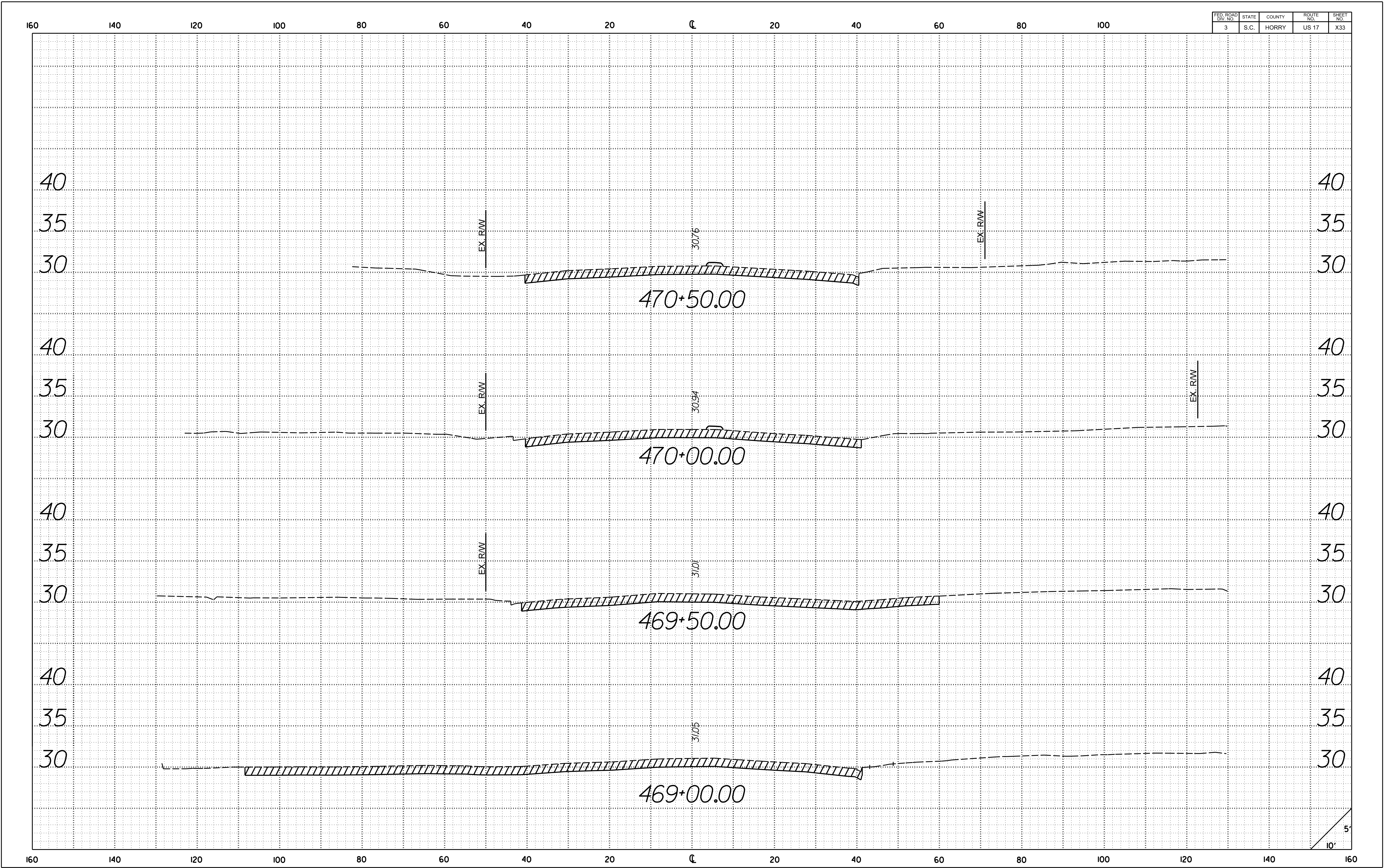
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FED. ROAD DIV. NO.	STATE	COUNTY	ROUTE NO.	SHEET NO.
3	S.C.	HORRY	US 17	X32



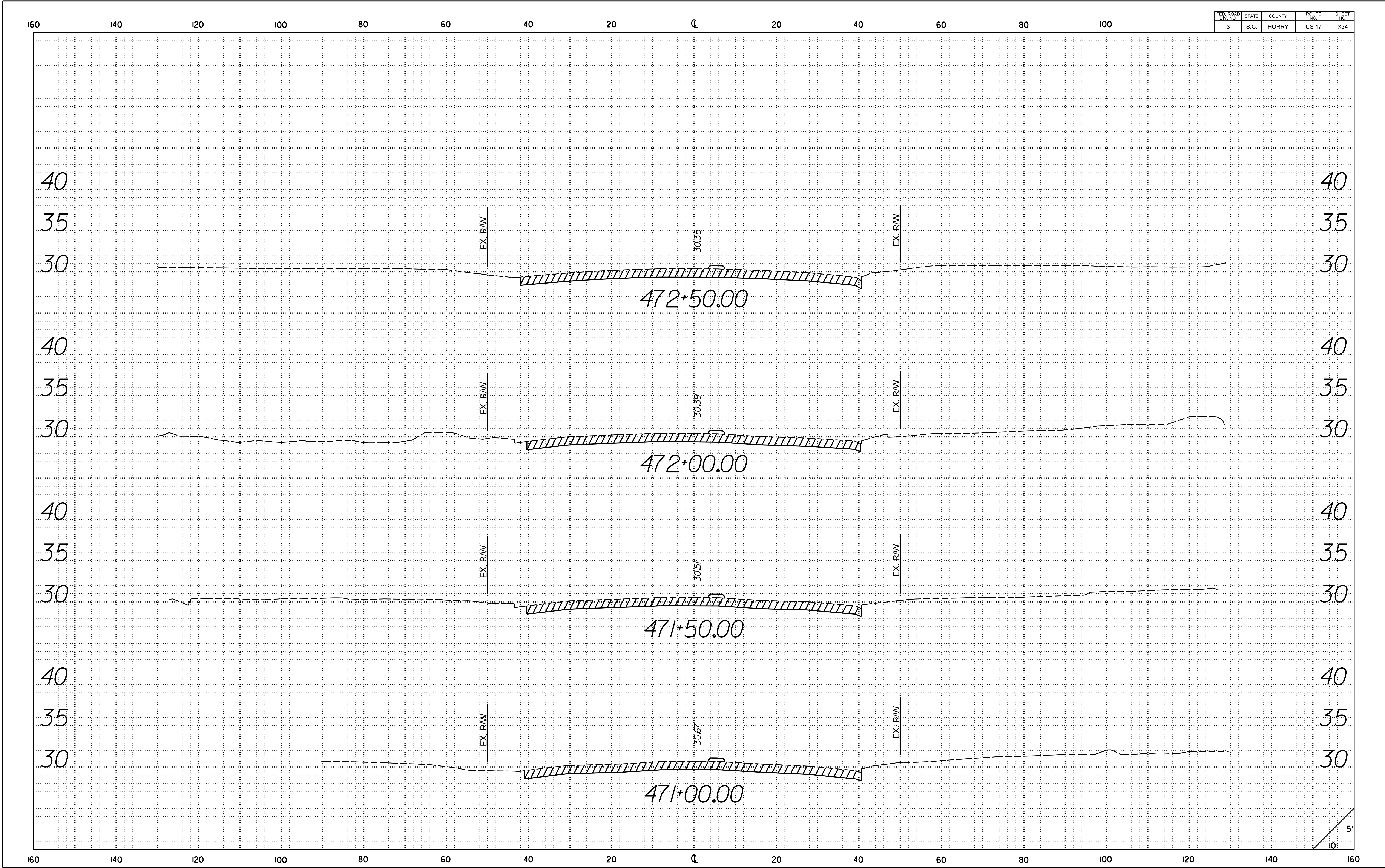
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FED. ROAD DIV. NO.	STATE	COUNTY	ROUTE NO.	SHEET NO.
3	S.C.	HORRY	US 17	X33



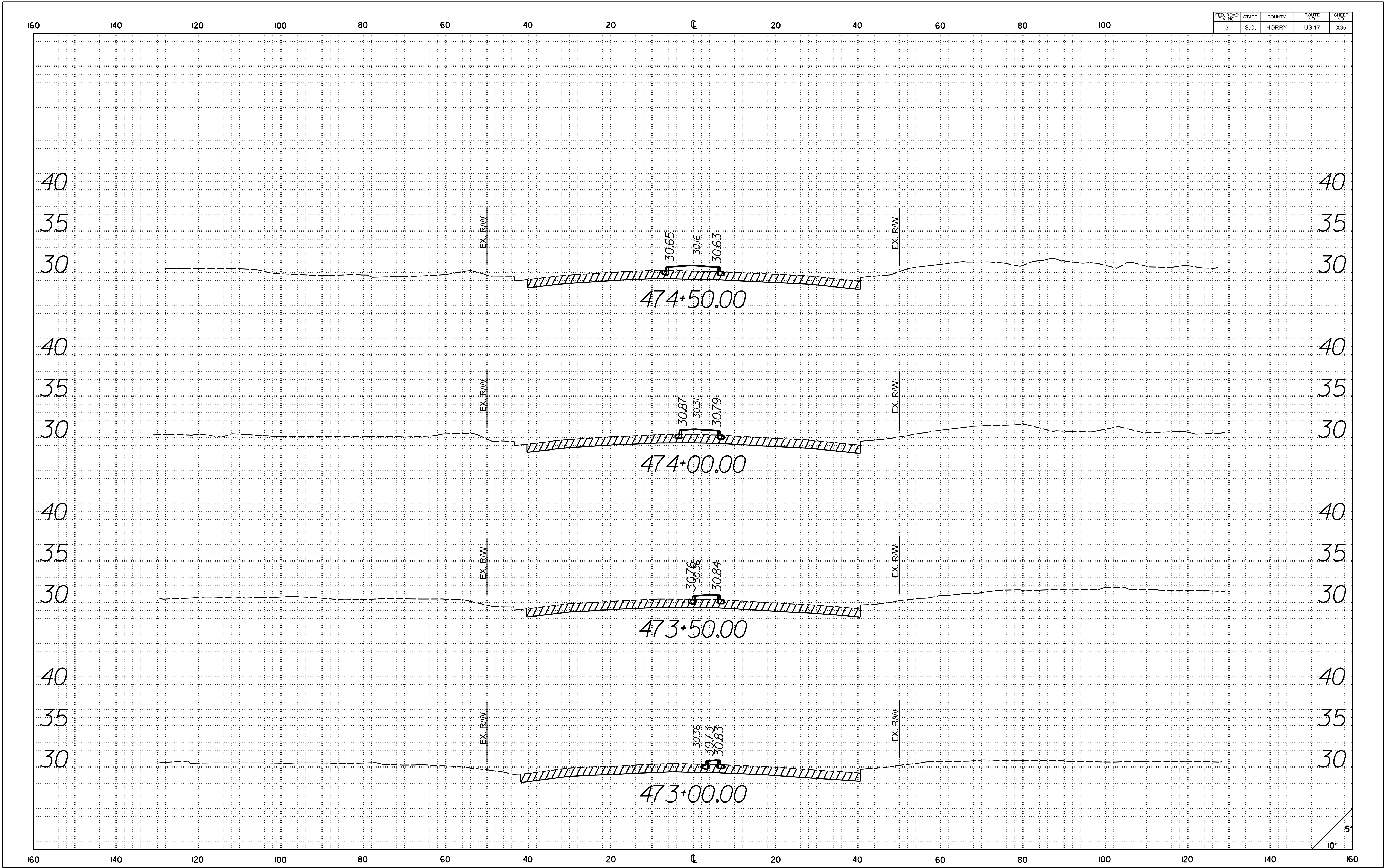
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FED. ROAD DIV. NO.	STATE	COUNTY	ROUTE NO.	SHEET NO.
3	S.C.	HORRY	US 17	X34



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FED. ROAD DIV. NO.	STATE	COUNTY	ROUTE NO.	SHEET NO.
3	S.C.	HORRY	US 17	X35



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FED. ROAD DIV. NO.	STATE	COUNTY	ROUTE NO.	SHEET NO.
3	S.C.	HORRY	US 17	X36

