

STATE OF NORTH CAROLINA
DIVISION OF HIGHWAYS



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STEWART

PROJ. REFERENCE NO.	SHEET NO.
P-5206D	PMP-1

PAVEMENT MARKING PLAN

ROWAN COUNTY

GENERAL NOTES

THE FOLLOWING GENERAL NOTES APPLY AT ALL TIMES FOR THE DURATION OF THE CONSTRUCTION PROJECT, EXCEPT WHEN OTHERWISE NOTED IN THE PLAN, OR DIRECTED BY THE ENGINEER.

- A) INSTALL PAVEMENT MARKINGS AND KPAVEMENT MARKERS ON TEH FINAL SURFACE AS FOLLOWS:

ROAD NAME	MARKING TYPE	MARKERS
-YL- (MAIN ST)	THERMOPLASTIC	RAISED
-YL2- (MAIN ST)	THERMOPLASTIC	RAISED
-Y12- (RYDER AVE)	THERMOPLASTIC	RAISED
-Y45- (CENTRAL AVE)	THERMOPLASTIC	RAISED
-Y46- (CENTRAL AVE)	THERMOPLASTIC	RAISED
-Y51- (CHAPEL ST)	THERMOPLASTIC	RAISED
-Y52- (18TH ST)	THERMOPLASTIC	RAISED
-Y53- (22ND ST)	THERMOPLASTIC	RAISED

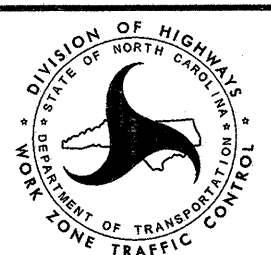
- B) TIE PROPOSED PAVEMENT MARKING LINES TO EXISTING PAVEMENT MARKING LINES.
- C) REMOVE/REPLACE ANY CONFLICTING/DAMAGED PAVEMENT MARKINGS AND MARKERS.
- D) PASSING ZONES WILL BE DETERMINED IN TEH FIELD AND MUST BE APPROVED BY THE ENGINEER.
- E) STOP BAR LOCATIONS AT NON-SIGNALIZED INTERSECTIONS MAY BE ADJUSTED AS DIRECTED BY THE ENGINEER.
- F) MARKERS SHALL BE INSTALLED ACCORDING TO THE NCDOT ROADWAY STANDARD DRAWING 1250.01.

ROADWAY STANDARD DRAWINGS

THE FOLLOWING ROADWAY STANDARDS AS SHOWN IN "ROADWAY STANDARD DRAWINGS" - PROJECT SERVICES UNIT - N.C. DEPARTMENT OF TRANSPORTATION - RALEIGH, N.C., DATED JANAUARY 2012 ARE APPLICABLE TO THIS PROJECT AND BY REFERENCE HEREBY ARE CONSIDERED A PART OF THESE PLANS:

STD. NO.	TITLE
1205.01	PAVEMENT MARKINGS - LINE TYPES AND OFFSETS
1205.02	PAVEMENT MARKINGS - TWO LANE AND MULTILANE ROADWAYS
1205.04	PAVEMENT MARKINGS - INTERSECTIONS
1205.05	PAVEMENT MARKINGS - TURN LANES
1205.06	PAVEMENT MARKINGS - LANE DROPS
1205.07	PAVEMENT MARKINGS - PEDESTRIAN CROSSWALKS
1205.08	PAVEMENT MARKINGS - SYMBOLS AND WORD MESSAGES
1205.09	PAVEMENT MARKINGS - PAINTED ISLANDS
1205.11	PAVEMENT MARKINGS - RAILROAD CROSSINGS
1250.01	RAISED PAVEMENT MARKERS - INSTALLATION SPACING
1251.01	RAISED PAVEMENT MARKERS - (PERMANENT AND TEMPORARY)

PLAN REVIEWED BY: NCDOT SIGNING AND DELINEATION UNIT
 JAMES HAMBRIGHT DESIGN ENGINEER II (CENTRAL REGION - DIVISION 5,7-9)




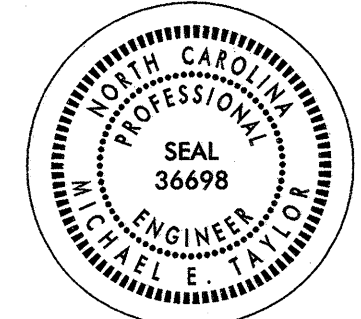
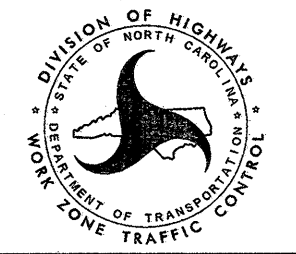
INDEX

SHEET NO.	DESCRIPTION
PMP-1	PAVEMENT MARKING PLAN TITLE AND SCHEDULE SHEET
PMP-2	STANDARD DRAWINGS AND SPECIAL DETAILS
PMP-3 TO PMP-7	PAVEMENT MARKING DETAIL

FINAL PAVEMENT MARKING SCHEDULE

SYMBOL	DESCRIPTION	PAY ITEM
(TA)	WHITE EDGELINE	THERMOPLASTIC (4", 90 MILS)
(TB)	YELLOW EDGELINE	THERMOPLASTIC (4", 90 MILS)
(TD)	3' - 9' MINI SKIP WHITE	THERMOPLASTIC (4", 120 MILS)
(TE)	WHITE SOLID LANE LINE	THERMOPLASTIC (4", 120 MILS)
(TH)	YELLOW SINGLE CENTER	THERMOPLASTIC (4", 120 MILS)
(TI)	YELLOW DOUBLE CENTER	THERMOPLASTIC (4", 120 MILS)
(TO)	WHITE DIAGONAL	THERMOPLASTIC (8", 120 MILS)
(TP)	YELLOW DIAGONAL	THERMOPLASTIC (8", 120 MILS)
(TQ)	WHITE CROSSWALK	THERMOPLASTIC (8", 120 MILS)
(T2)	WHITE STOP BAR	THERMOPLASTIC (24", 120 MILS)
(UA)	LEFT TURN ARROW	THERMOPLASTIC (90 MILS)
(UB)	RIGHT TURN ARROW	THERMOPLASTIC (90 MILS)
(UC)	STRAIGHT ARROW	THERMOPLASTIC (90 MILS)
(UE)	COMBO STRAIGHT/RIGHT	THERMOPLASTIC (90 MILS)
	RAIL ROAD CROSSING	THERMOPLASTIC (90 MILS)

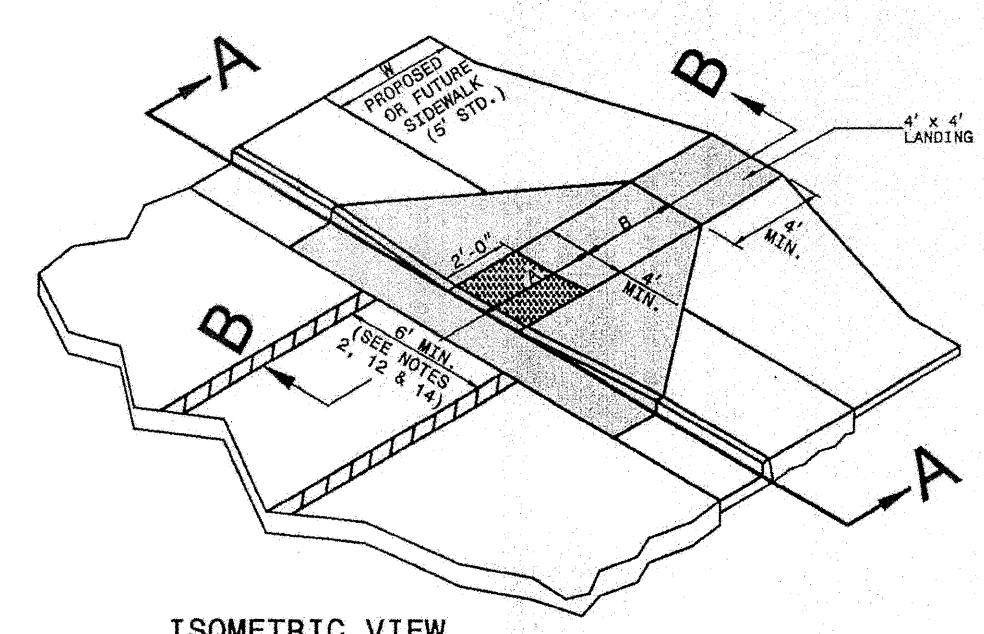
TIP PROJECT:

APPROVED: 	DATE: 7/19/2013	PAVEMENT MARKING PLAN COVER SHEET									
											
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STATE OF NORTH CAROLINA DEPT. OF TRANSPORTATION DIVISION OF HIGHWAYS RALEIGH, N.C.

ENGLISH STANDARD DRAWING FOR PROPOSED CURB RAMP

SHEET 1 OF 3 848.05



ISOMETRIC VIEW

PAY LIMITS FOR CURB RAMP

- NOTES: 1. DETECTABLE WARNING DOMES WILL COVER 2'-0" LENGTH AND FULL WIDTH OF THE RAMP FLOOR AS SHOWN ON THE DETAILS. 2. DETECTABLE WARNING DOMES WILL CONTRAST VISIBILITY WITH ADJOINING SURFACE, EITHER LIGHT-ON-DARK, OR DARK-ON-LIGHT SEQUENCE COVERING THE ENTIRE RAMP.

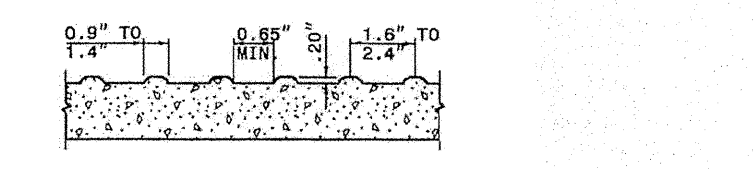
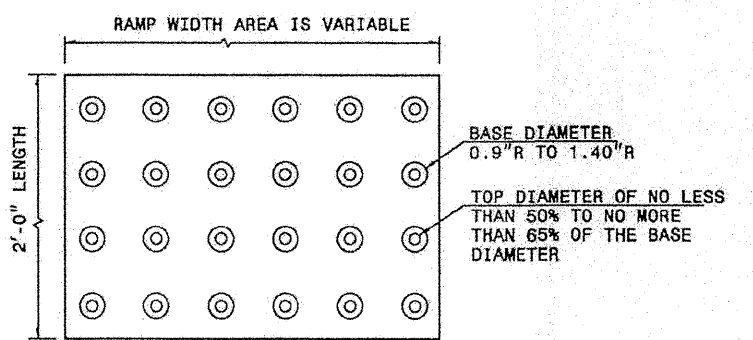
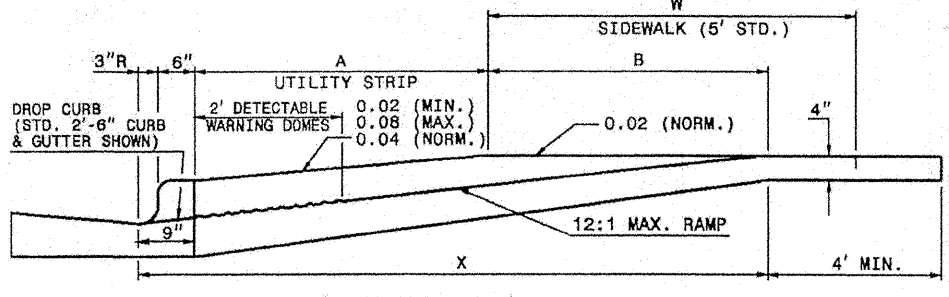


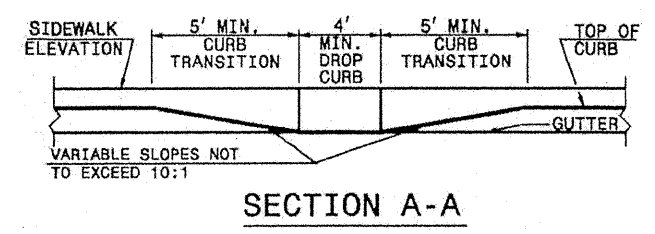
Table with columns W, A, WH+A, X, B. Values range from 5'0" to 10'0" for W and A, and 5'0" to 9'0" for B.

B = X - (A+9") B = DISTANCE FROM FRONT EDGE OF SIDEWALK TO BACK POINT OF 12:1 (8.33%) SLOPE. * BACK OF SIDEWALK DROP REQUIRED FOR ALL SIDEWALK SLOPES. ** BACK OF SIDEWALK DROP REQUIRED FOR SIDEWALK SLOPES 0.04.

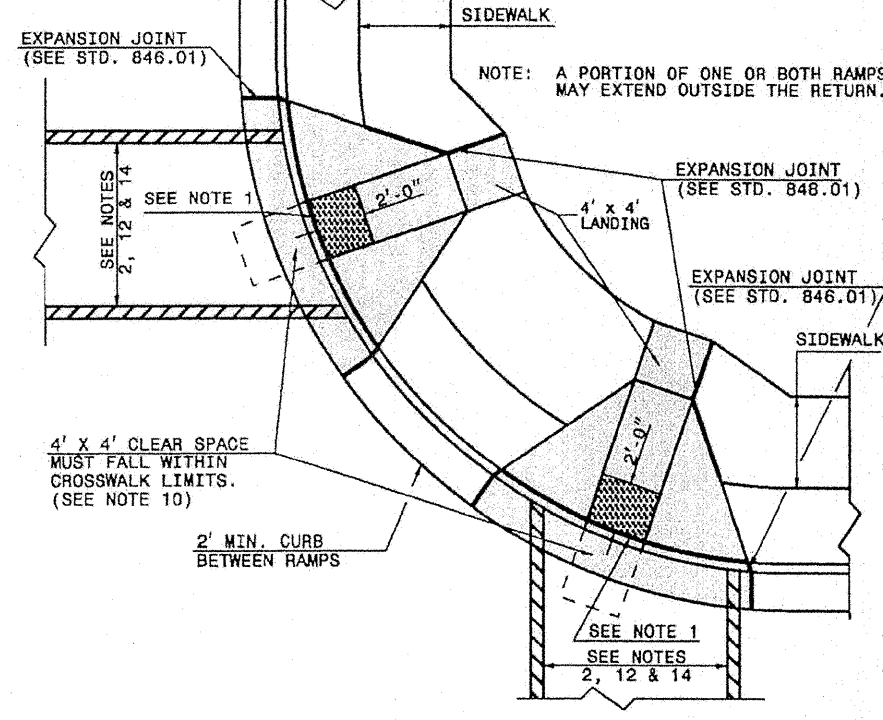
DETECTABLE WARNING DOMES



SECTION B-B



SECTION A-A



PLAN VIEW

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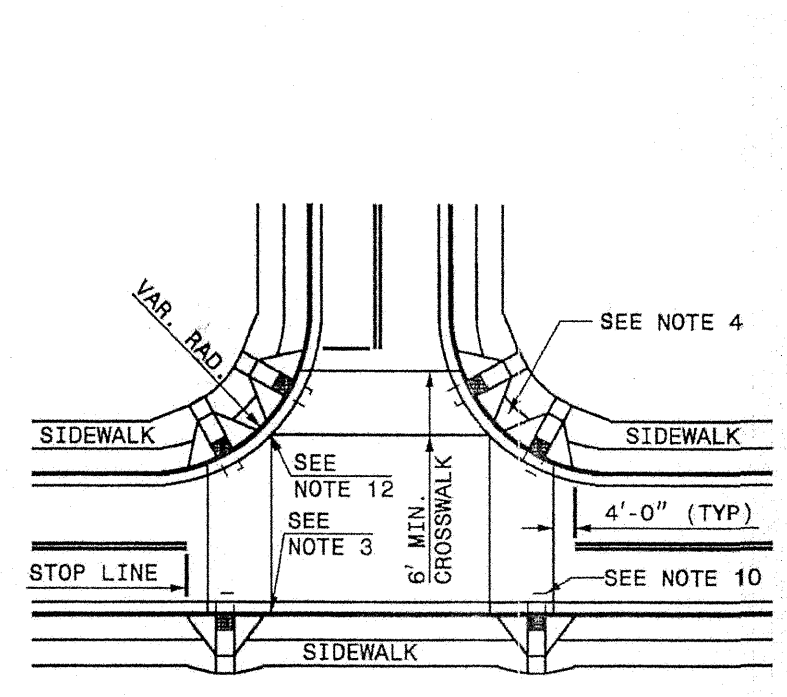
ENGLISH STANDARD DRAWING FOR PROPOSED CURB RAMP AND GUTTER

SHEET 1 OF 3 848.05

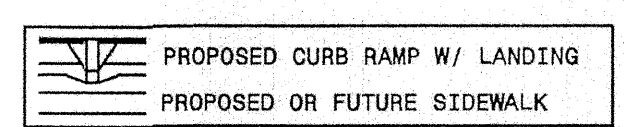
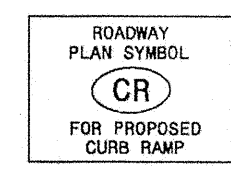
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ENGLISH STANDARD DRAWING FOR PROPOSED CURB AND GUTTER

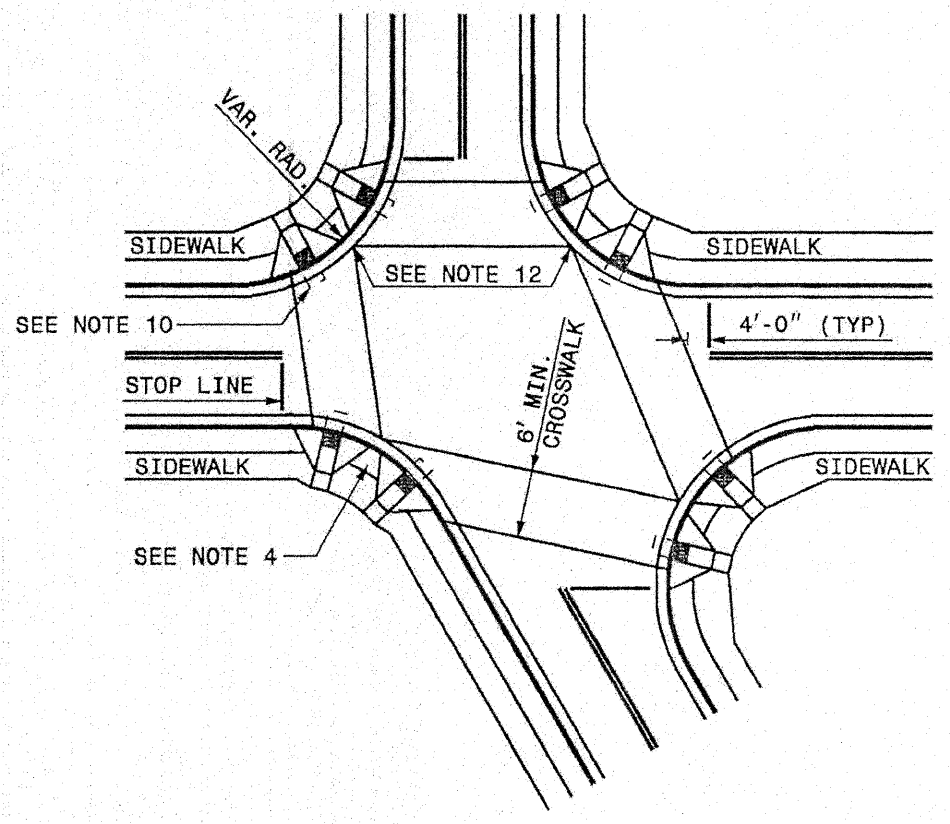
SHEET 2 OF 3 848.05



DETAIL SHOWING TYPICAL LOCATION OF CURB RAMPS, PEDESTRIAN CROSSWALKS AND STOP LINES FOR TEE INTERSECTIONS



ALLOWABLE LOCATIONS DUAL RAMP RADII..... ANY



DETAIL SHOWING TYPICAL LOCATION OF CURB RAMPS, PEDESTRIAN CROSSWALKS AND STOP LINES

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ENGLISH STANDARD DRAWING FOR PROPOSED CURB AND GUTTER

SHEET 2 OF 3 848.05

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ENGLISH STANDARD DRAWING FOR CURB RAMPS NOTES

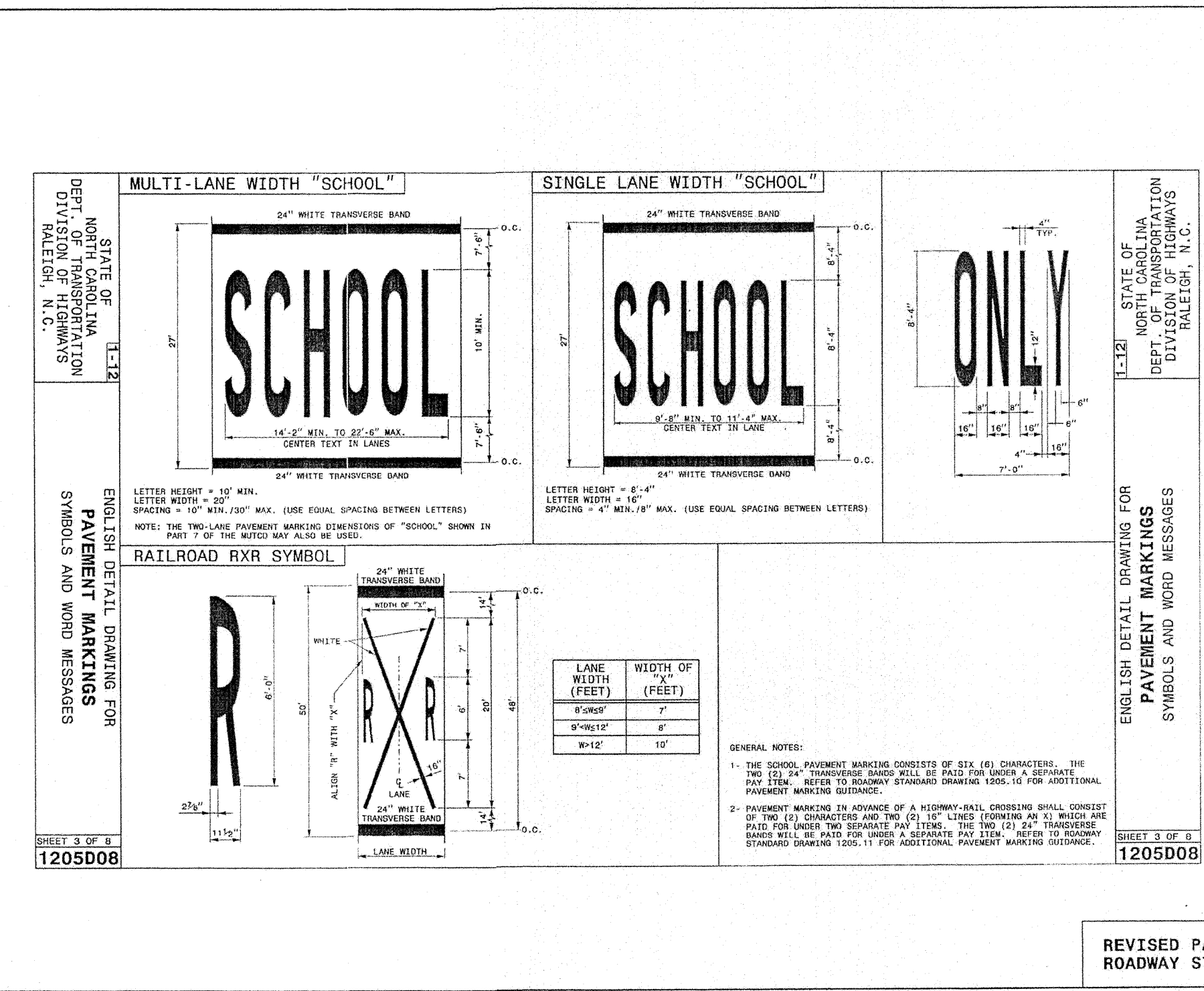
SHEET 3 OF 3 848.05

- NOTES: 1. CONSTRUCT THE RAMP SURFACE TO BE STABLE, FIRM, AND SLIP RESISTANT. CONSTRUCT THE CURB RAMP TYPE AS SHOWN IN THE PAVEMENT PLANS OR AS DIRECTED BY THE ENGINEER. 2. LOCATE CURB RAMPS AND PLACE PEDESTRIAN CROSSWALK MARKINGS AS SHOWN IN THE PAVEMENT MARKING PLANS. WHEN FIELD ADJUSTMENTS REQUIRE MOVING CURB RAMPS OR MARKINGS AS SHOWN, CONTACT THE STAGING AND DELINEATION UNIT OR LOCATE AS DIRECTED BY THE ENGINEER. 3. COORDINATE THE CURB RAMP AND THE PEDESTRIAN CROSSWALK MARKINGS SO A 4'x4' CLEAR SPACE AT THE BASE OF THE CURB RAMP WILL FALL WITHIN THE PEDESTRIAN CROSSWALK LINES. 4. SET BACK DISTANCE FROM INSIDE CROSSWALK MARKING TO NEAREST EDGE OF TRAVEL LANE IS 4' MINIMUM. 5. REFER TO THE PAVEMENT MARKING PLANS FOR STOP BAR LOCATIONS AT SIGNALIZED INTERSECTIONS. IF A PAVEMENT MARKING PLAN IS NOT PROVIDED, CONTACT THE SIGNAL DESIGN SECTION FOR THE STOP BAR LOCATIONS OR LOCATE AS DIRECTED BY THE ENGINEER. 6. TERMINATE PARKING A MINIMUM OF 20' BACK OF A PEDESTRIAN CROSSWALK. 7. CONSTRUCT CURB RAMPS A MINIMUM OF 4' WIDE. 8. CONSTRUCT THE RUNNING SLOPE OF THE RAMP 8.33% MAXIMUM. 9. ALLOWABLE CROSS SLOPE ON SIDEWALKS AND CURB RAMPS WILL BE 2% MAXIMUM. 10. CONSTRUCT THE SIDE FLARE SLOPE A MAXIMUM OF 10% MEASURED ALONG THE CURB LINE. 11. CONSTRUCT THE COUNTER SLOPE OF THE GUTTER OR STREET AT THE BASE OF THE CURB RAMP A MAXIMUM OF 5% AND MAINTAIN A SMOOTH TRANSITION. 12. CONSTRUCT LANDINGS FOR SIDEWALK A MINIMUM OF 4'x4' WITH A MAXIMUM SLOPE OF 2% IN ANY DIRECTION. CONSTRUCT LANDINGS FOR MEDIAN ISLANDS A MINIMUM OF 5'x5' WITH A MAXIMUM SLOPE OF 2% IN ANY DIRECTION. 13. TO USE A MEDIAN ISLAND AS A PEDESTRIAN REFUGE AREA, MEDIAN ISLANDS WILL BE A MINIMUM OF 6' WIDE. CONSTRUCT MEDIAN ISLANDS TO PROVIDE PASSAGE OVER OR THROUGH THE ISLAND. 14. SMALL CHANNELIZATION ISLANDS THAT CAN NOT PROVIDE A 5'x5' LANDING AT THE TOP OF A RAMPS, WILL BE CUT THROUGH LEVEL WITH THE SURFACE STREET. 15. CURB RAMPS WITH RETURNED CURBS MAY BE USED ONLY WHERE PEDESTRIANS WOULD NOT NORMALLY WALK ACROSS THE RAMP. THE ADJACENT SURFACE IS PLANTING OR OTHER NON-WALKING SURFACE OR THE SIDE APPROACH IS SUBSTANTIALLY OBSTRUCTED. 16. PLACE A 1/2" EXPANSION JOINT WHERE THE CONCRETE CURB RAMP JOINS THE CURB AS SHOWN IN ROADWAY STANDARD DRAWING 848.01 17. PLACE ALL PEDESTRIAN PUSH BUTTON ACTUATORS AND CROSSING SIGNALS AS SHOWN IN THE PLANS OR AS SHOWN IN THE MUTCD. 18. CURB RAMPS THROUGH MEDIAN ISLANDS, SINGLE RAMPS AT DUAL CROSSWALKS OR LIMITED R/W SITUATIONS, WILL BE HANDLED BY SPECIAL DETAILS. CONTACT THE CONTRACT STANDARDS AND DEVELOPMENT UNIT FOR THE DETAILS OR FOR A SPECIAL DESIGN.

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ENGLISH STANDARD DRAWING FOR CURB RAMPS NOTES

SHEET 3 OF 3 848.05



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ENGLISH STANDARD DRAWING FOR PAVEMENT MARKING SYMBOLS AND WORD MESSAGES

SEAL 36698

REVISOR: [Signature] DATE: 7/19/2013

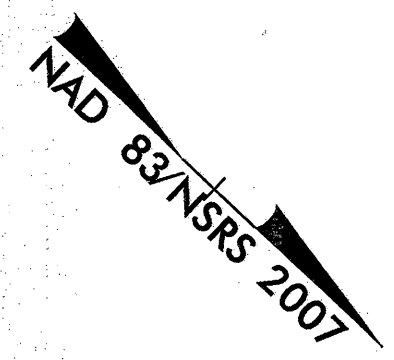
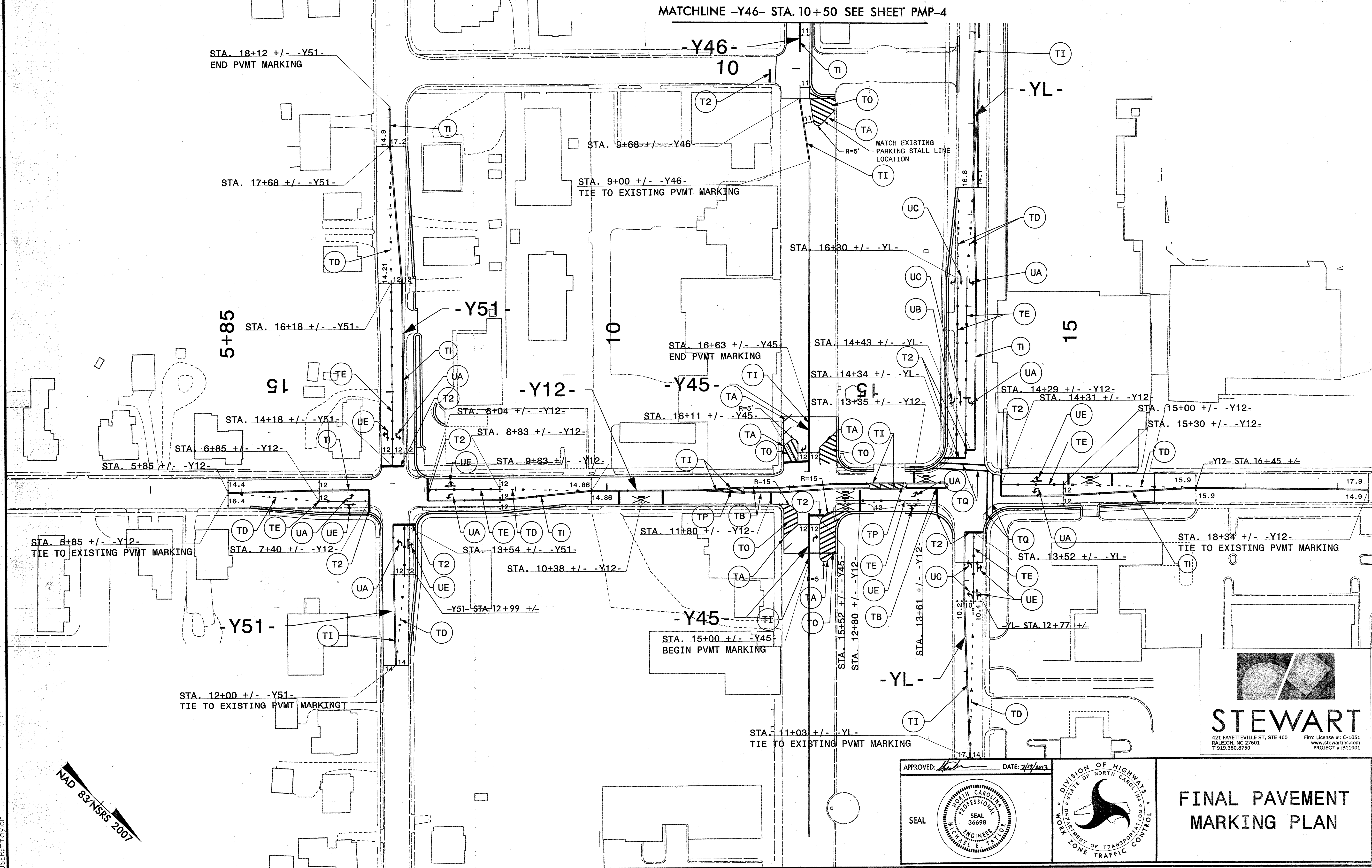
STANDARD DRAWINGS AND SPECIAL DETAILS

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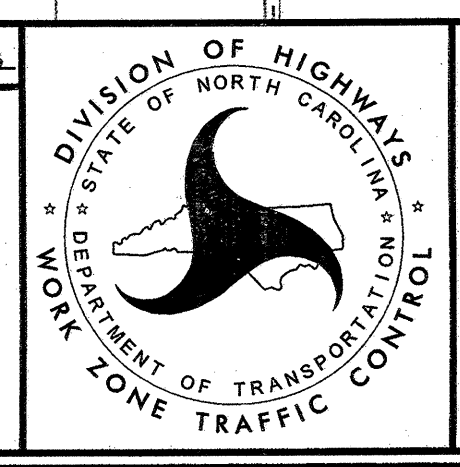
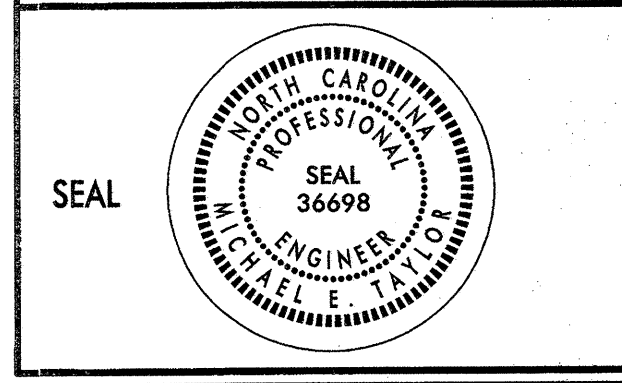
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FINAL PAVEMENT MARKING PLAN

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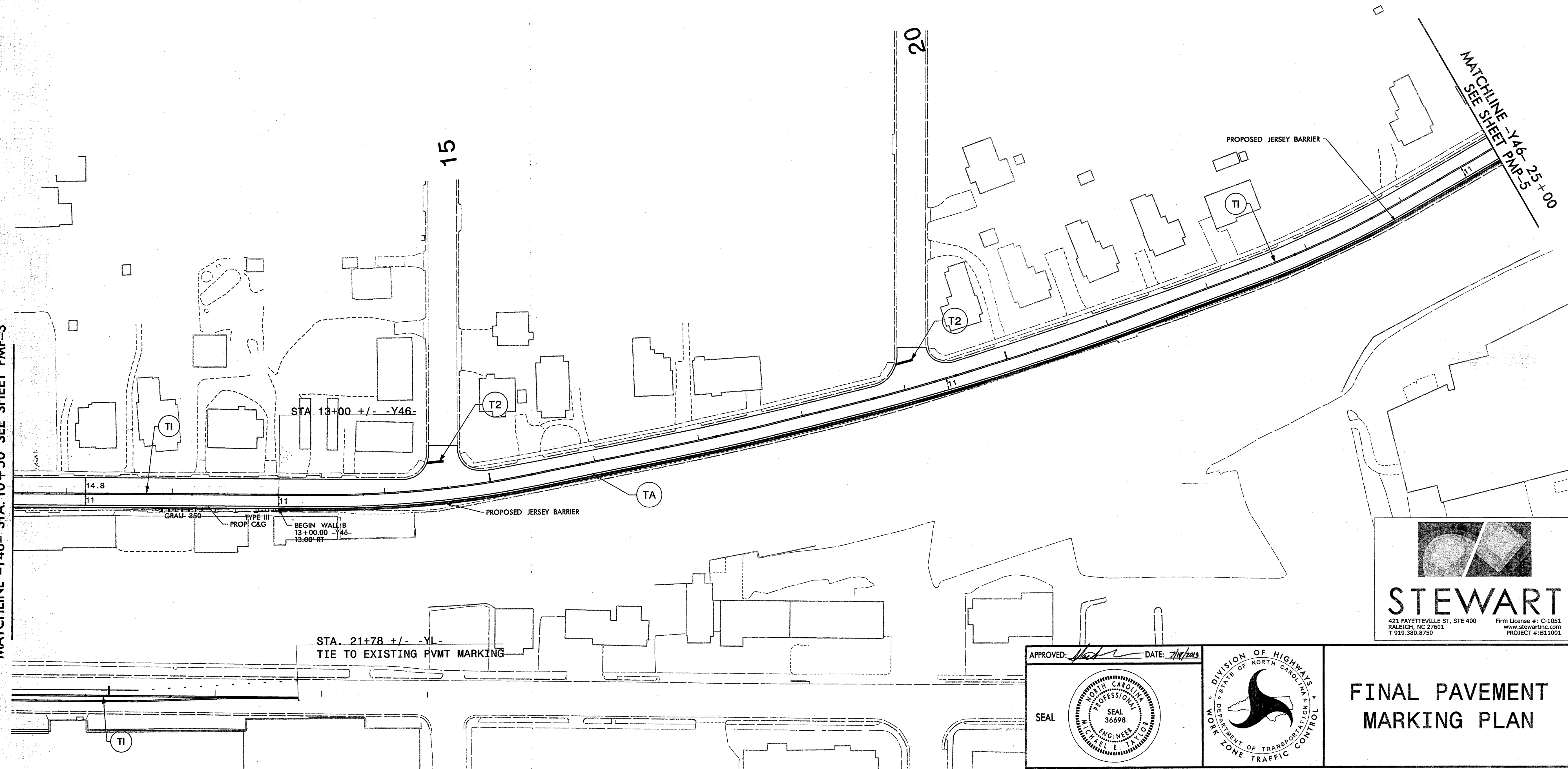
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NAD 83/NSRS 2007

52

MATCHLINE -Y46- STA. 10+50 SEE SHEET PMP-3

MATCHLINE -Y46- STA. 25+00 SEE SHEET PMP-5



STA. 13+00 +/- -Y46-

BEGIN WALL B
13+00.00 -Y46-
13.00'-RT

STA. 21+78 +/- -YL-
TIE TO EXISTING PVMT MARKING

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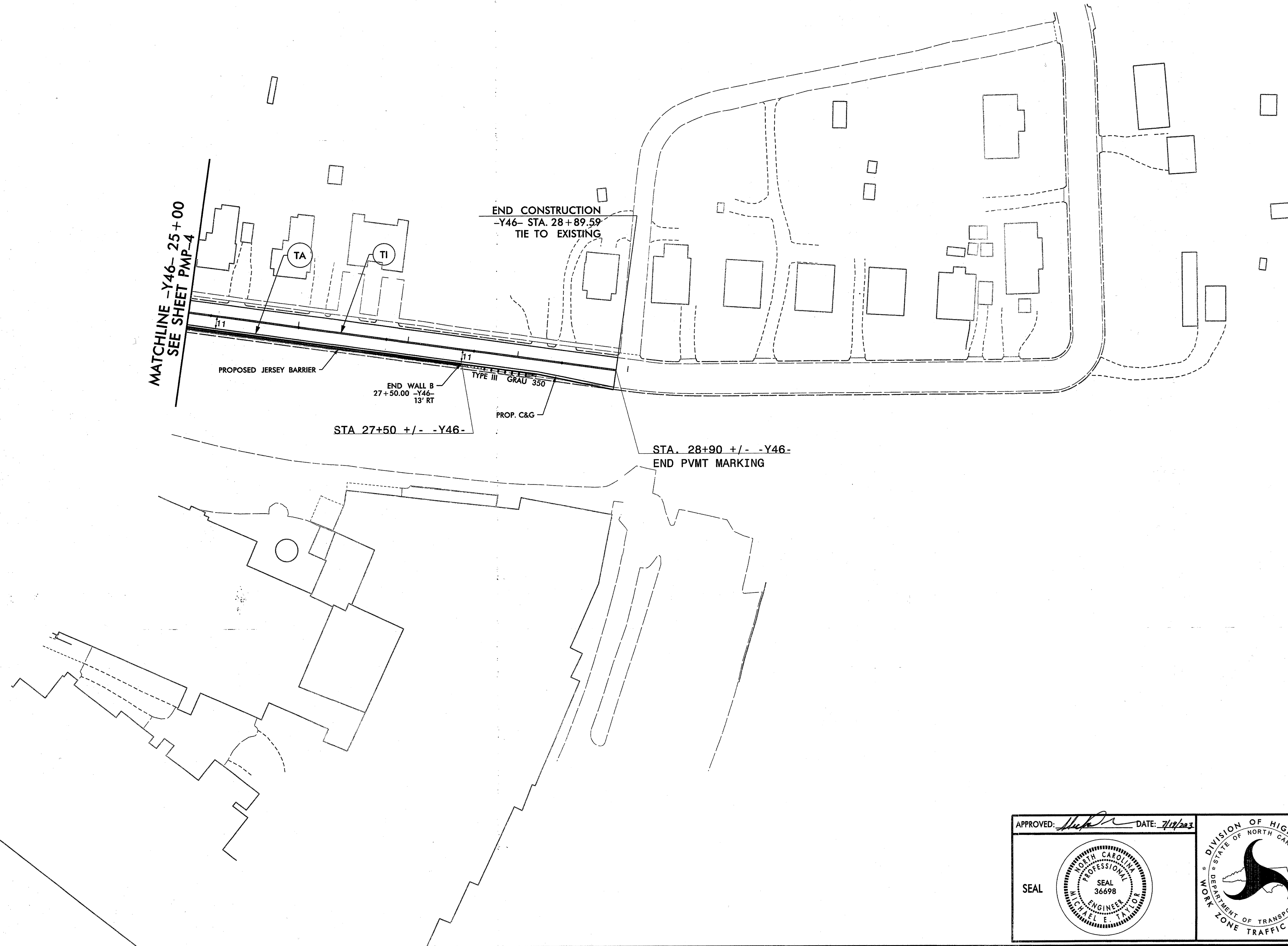
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STATE OF NORTH CAROLINA
DEPARTMENT OF TRANSPORTATION
WORK ZONE TRAFFIC CONTROL

FINAL PAVEMENT MARKING PLAN

7/22/2013
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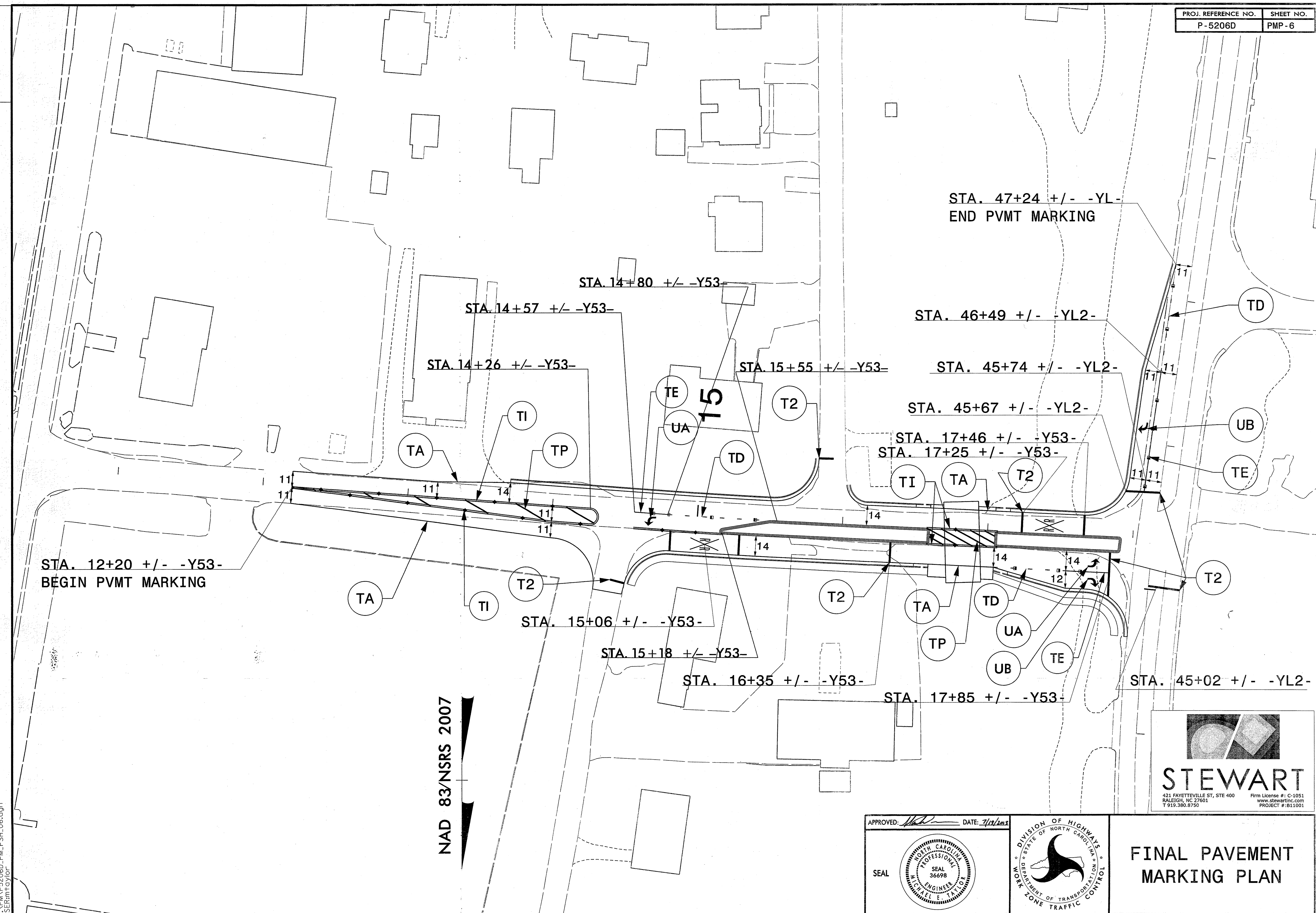
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FINAL PAVEMENT MARKING PLAN

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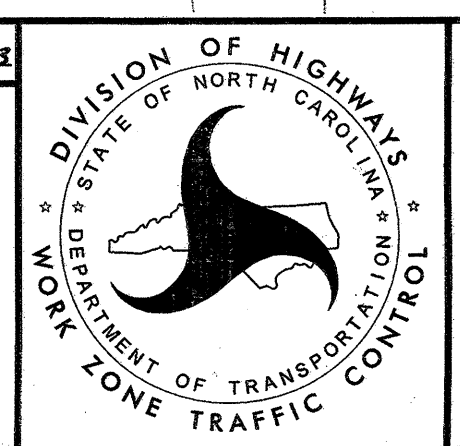


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FINAL PAVEMENT MARKING PLAN

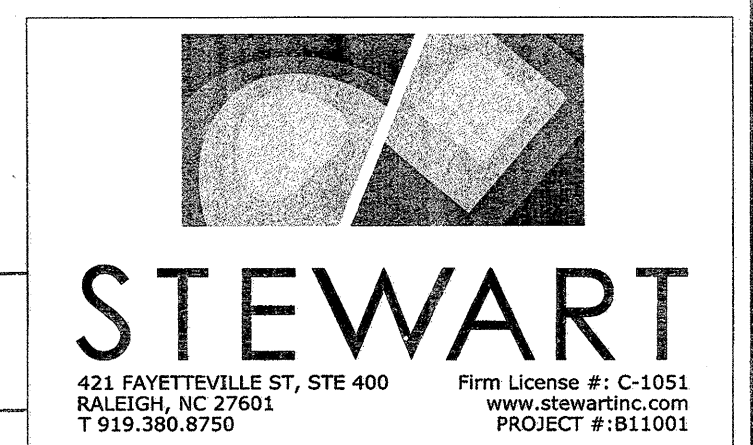
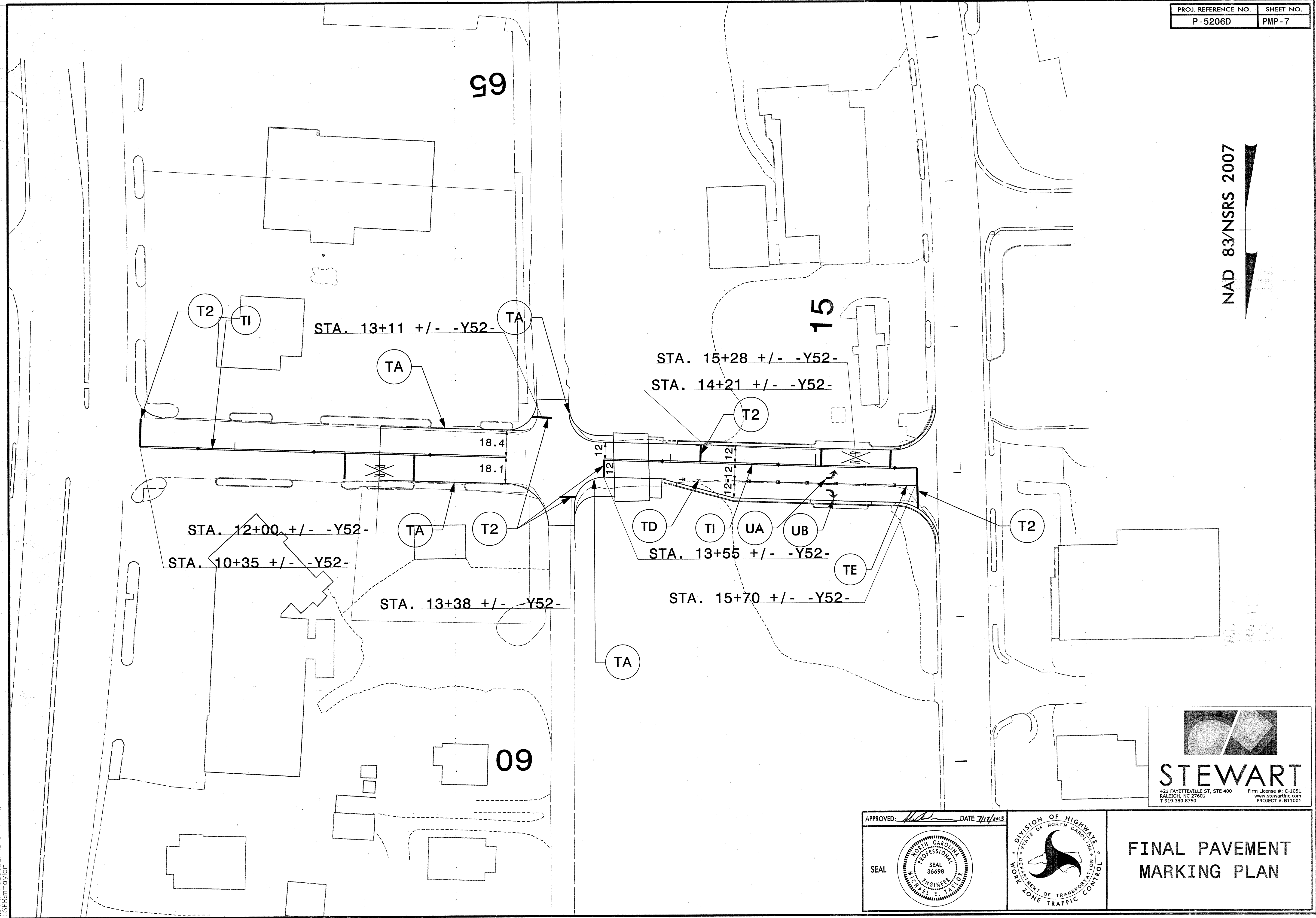
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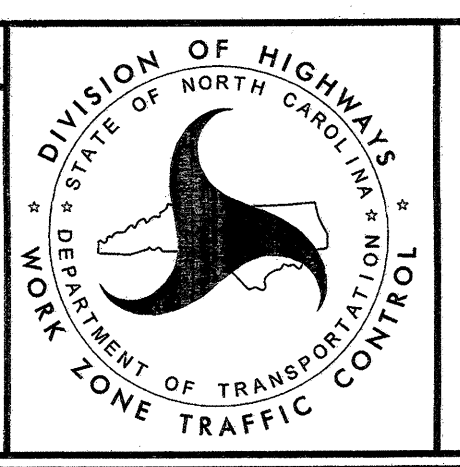
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