Standard Design Elements Feature Description	Level	Color	Line Wt.	Line Style
Existing Roads EOP	58150	4	4	0
Existing Roads Match Line	58151	3	4	0
Proposed Aerial Guy	58152	6	1	0
Existing Bridge	58153	6	3	0
Existing Sidewalk	58154	19	1	0
Proposed Construction Note Leader Line	58155	3	1	0
Proposed Attachment Note Leader Line	58156	3	1	0
Proposed Utility Adjustment Leader Line	58157	3	1	0

Text						Size (English)								
Feature Description	Level	Color	Line Wt.	Line Style	Font		30:1	40:1	50:1	60:1	70:1	80:1	90:1	100:1
Existing Road Text	58200	3	4	0	11		8	10	12	14	16	18	20	22
Existing Road Match Line Text	58201	13	4	0	11		8	10	12	14	16	18	20	22
Existing Sidewalk Text	58202	19	1	0	11		4	5	7	9	11	13	15	17
Proposed Slack Span Text	58203	3	1	0	11		4	5	7	9	11	13	15	17
Proposed Attachment Text	58204	3	1	0	11		6	8	10	12	14	16	18	20
Proposed Utility Adjustment Text	58205	3	1	0	11		8	10	12	14	16	18	20	22
Existing Railroad Text	58206	7	1	0	11		8	10	12	14	16	18	20	22
Existing Right of Way Text	58207	5	1	0	11		8	10	12	14	16	18	20	22
Existing Pole Text	58208	3	1	0	11		4	5	7	9	11	13	15	17
Proposed General Note Text	58209	3	1	0	11		8	10	12	14	16	18	20	22

	Custom Line Styles	ustom Line Styles						Scale									
	Feature Description	Level	Color	Line Wt.	Line Style	Font	3	0:1 4	0:1	50:1	60:1	70:1	80:1	90:1	100:1		
TMS Custom	Proposed Aerial Fiber Optic Cable	58000	3	0	Sig Com Cab FO			70 8	30	90	100	120	140	160	180		
	Proposed Twisted Pair Cable	58001	4	0	Sig Com Cab Twi Pr Exi			70 8	30	90	100	120	140	160	180		
	Existing Communications Cable	58002	1	0	Sig Com Cab Exi			70 1	30	90	100	120	140	160	180		
	Remove Existing Communications Cable	58003	2	0	Sig Com Cab Rmv			70 1	ВО .	90	100	120	140	160	180		
	Proposed Conduit	58004	0	0	Sig Com Cab Nw Cond			70 1	во 📗	90	100	120	140	160	180		
	Existing Conduit	58005	6	0	Sig Com Cab Exi Cond			70 8	B0	90	100	120	140	160	180		
	Proposed Directional Drilled Conduit	58006	1	0	Sig Com Cab Dr Dri			70	80	90	100	120	140	160	180		
	Proposed Jack and Bore Conduit	58007	120	0	Sig Com Cab Jac Bor			70	ВО	90	100	120	140	160	180		
	Existing Railroad Track	58008	7	2	(0) ncmap RR Gau Std			70 8	во 📗	90	100	120	140	160	180		
	Existing Railroad Track (Title Sheet)	58009	0	1	(0) Sig Geo RR			1 1	.5	2	2	2.5	2.5	3	3		
	Existing Railroad Gate	58010	3	1	(0) Sig Geo RR Gat			1 1	.5	2	2	2.5	2.5	3	3		
١Ę	Existing Railroad Cantilever	58011	3	1	(0) Sig Geo RR Can			1 1	.5	2	2	2.5	2.5	3	3		
[왕	Existing Railroad Lights	58012	3	1	(0) Sig Geo RR Lit			1 1	1.5	2	2	2.5	2.5	3	3		
Ιō	Existing Right of Way	58013	5	1	(0) ncmap ROW Exi			30 4	40	50	60	70	80	90	100		
Othe	Existing Guard Rail	58014	6	4	(0) Rdy GR Prop			30 ·	40	50	60	70	80	90	100		
	Existing Fence Line	58015	0	1	(0) ncmap Fen			30 ·	40	50	60	70	80	90	100		
	Existing Hedge Row	58016	153	1	(0) ncmap Hdg			30 ·	40	50	60	70	80	90	100		
	Existing Woods	58017	153	1	(0) ncmap Wds			30 ·	40	50	60	70	80	90	100		
	Existing Streams and Rivers	58018	99	1	2–5–2			1	1	1	1	1	1	1	1		

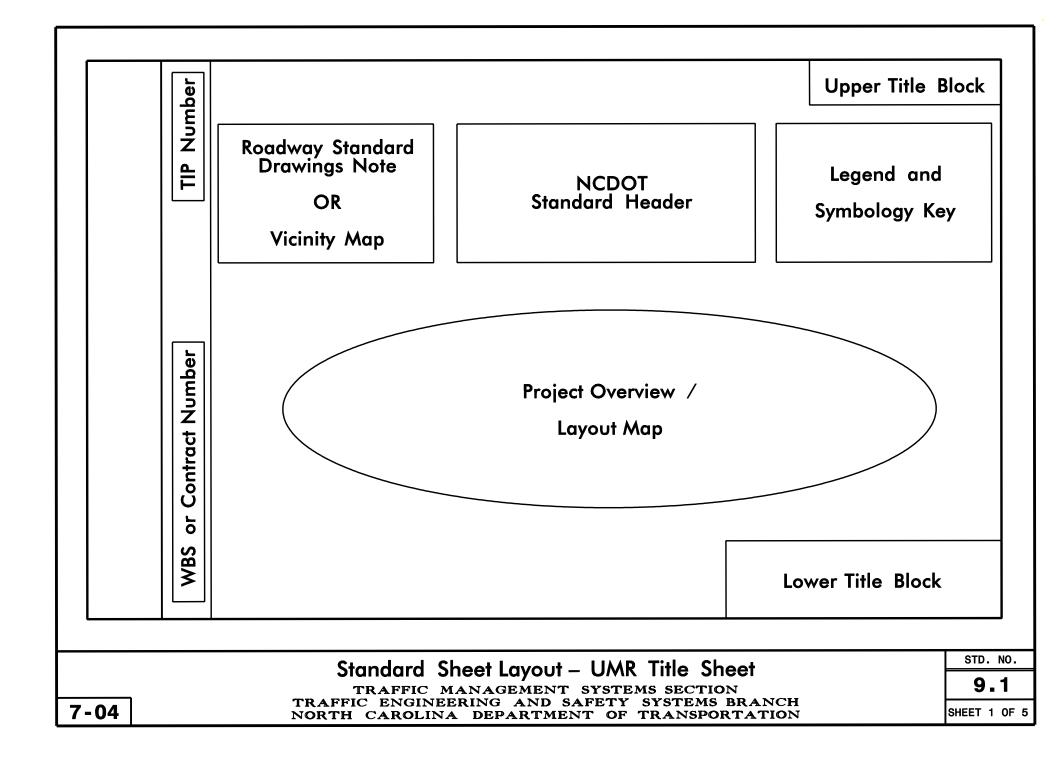
Standard Sheet Layout – TMS Standard CADD Symbology

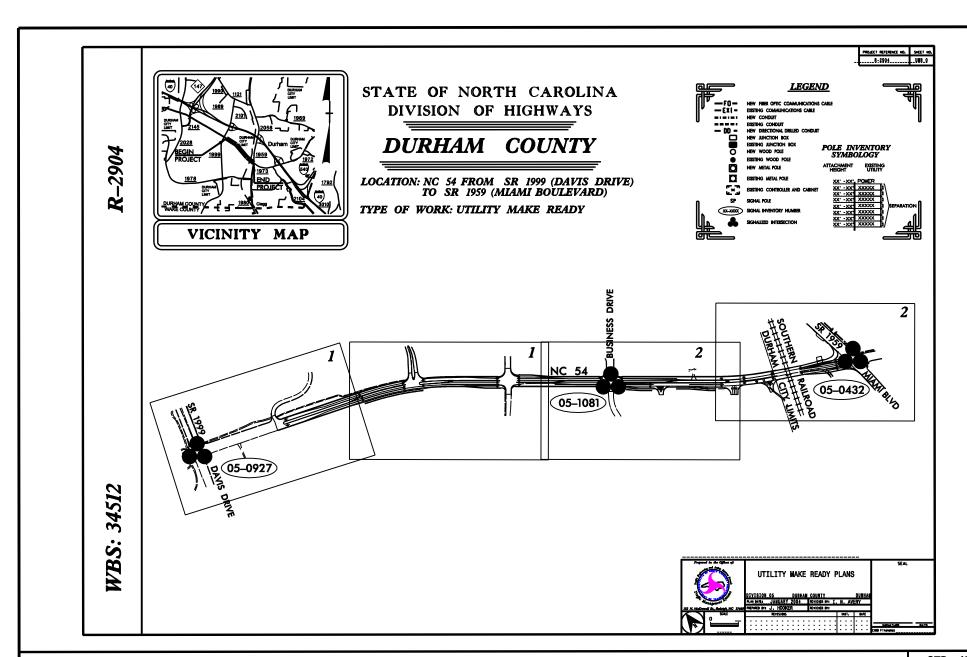
TRAFFIC MANAGEMENT SYSTEMS SECTION
TRAFFIC ENGINEERING AND SAFETY SYSTEMS BRANCH
NORTH CAROLINA DEPARTMENT OF TRANSPORTATION

STD. NO.

9.0

SHEET 1 OF 1





Standard Sheet Layout – Sample UMR Title Sheet

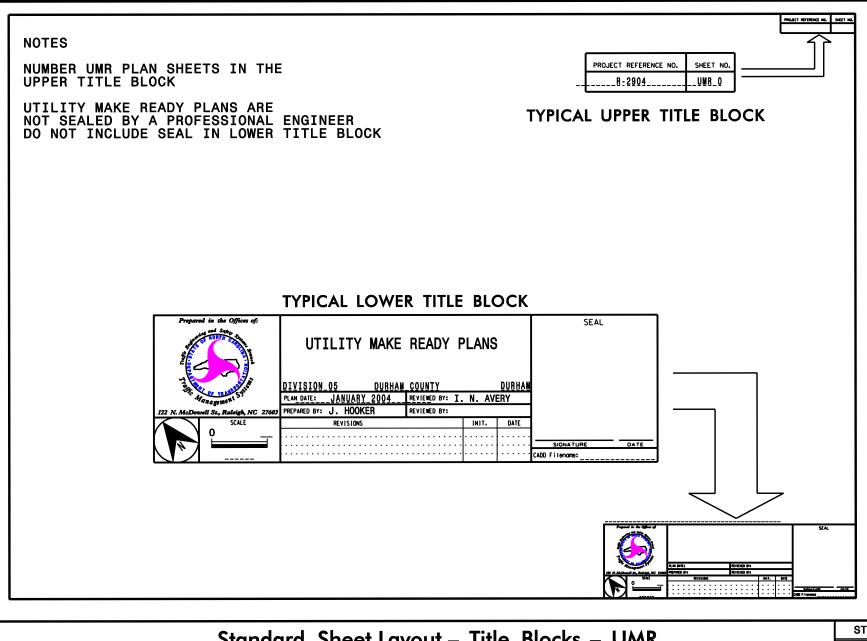
TRAFFIC MANAGEMENT SYSTEMS SECTION
TRAFFIC ENGINEERING AND SAFETY SYSTEMS BRANCH
NORTH CAROLINA DEPARTMENT OF TRANSPORTATION

STD. NO.

9.1

SHEET 2 OF 5

7-04



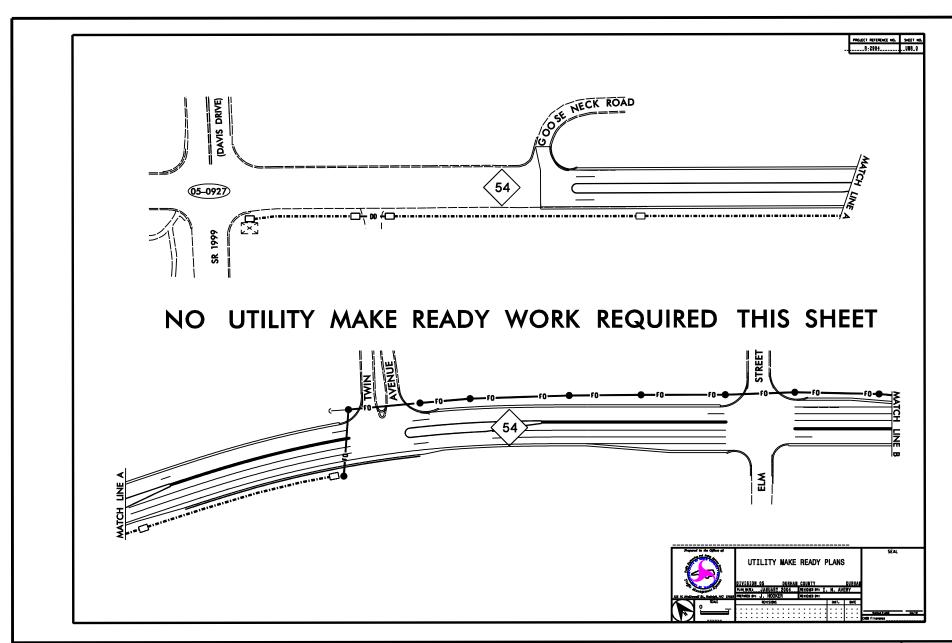
Standard Sheet Layout – Title Blocks – UMR

TRAFFIC MANAGEMENT SYSTEMS SECTION TRAFFIC ENGINEERING AND SAFETY SYSTEMS BRANCH NORTH CAROLINA DEPARTMENT OF TRANSPORTATION STD. NO.

9.1

SHEET 3 OF 5

7-04



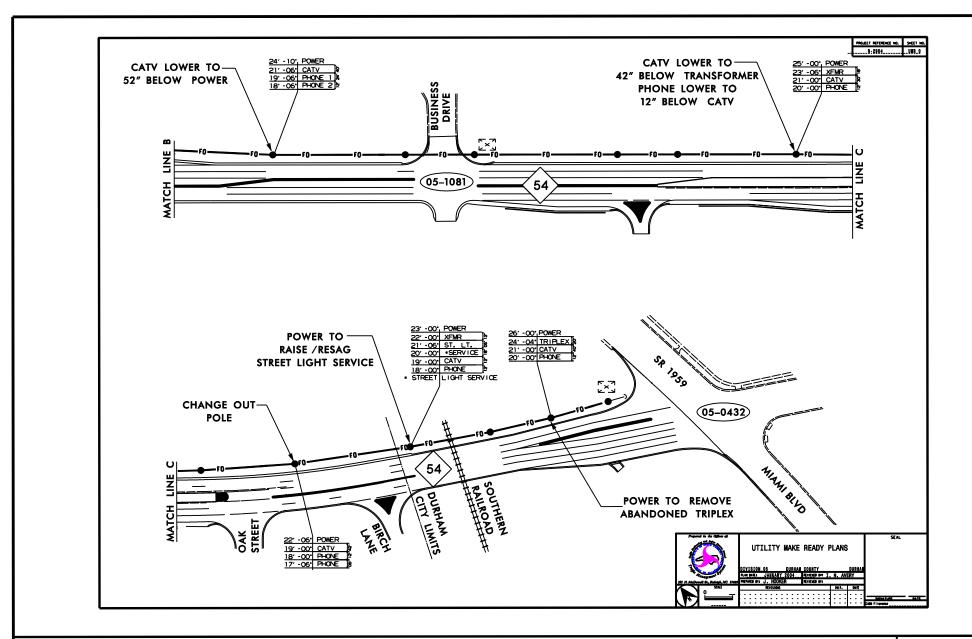
Standard Sheet Layout – Sample UMR Plan Sheet

TRAFFIC MANAGEMENT SYSTEMS SECTION
TRAFFIC ENGINEERING AND SAFETY SYSTEMS BRANCH
NORTH CAROLINA DEPARTMENT OF TRANSPORTATION

STD. NO.

9.1

SHEET 4 OF 5



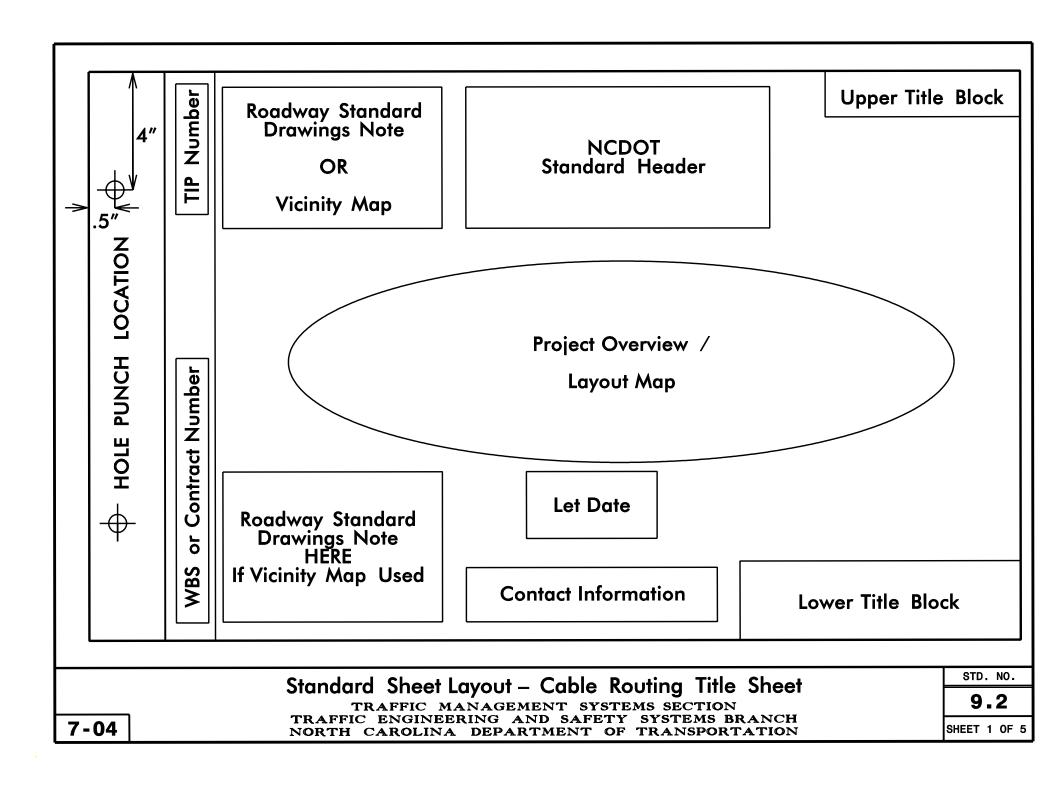
Standard Sheet Layout - Sample UMR Plan Sheet

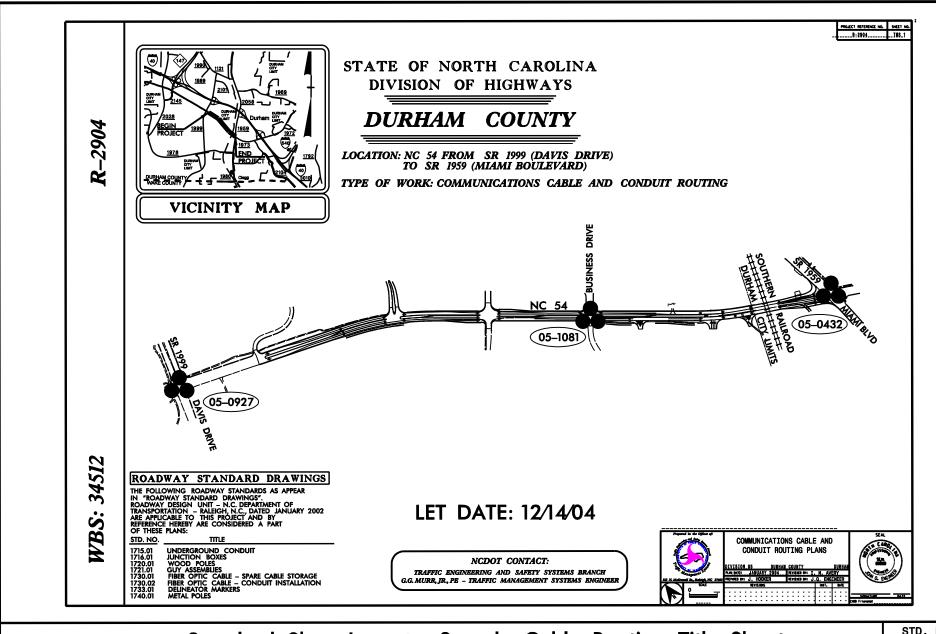
TRAFFIC MANAGEMENT SYSTEMS SECTION
TRAFFIC ENGINEERING AND SAFETY SYSTEMS BRANCH
NORTH CAROLINA DEPARTMENT OF TRANSPORTATION

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9.1

SHEET 5 OF 5





Standard Sheet Layout – Sample Cable Routing Title Sheet

TRAFFIC MANAGEMENT SYSTEMS SECTION
TRAFFIC ENGINEERING AND SAFETY SYSTEMS BRANCH
NORTH CAROLINA DEPARTMENT OF TRANSPORTATION

STD. NO.

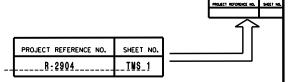
9.2

SHEET 2 OF 5



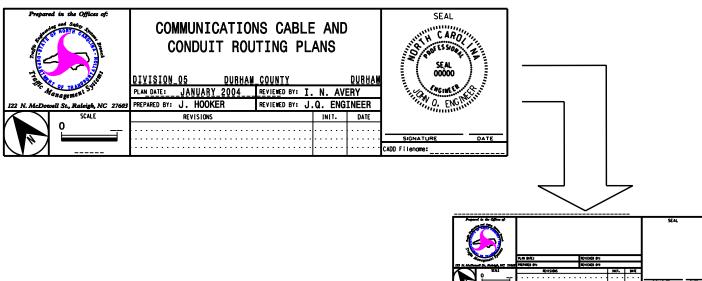
NUMBER CABLE ROUTING PLAN SHEETS IN THE UPPER TITLE BLOCK

FOR CLOSED LOOP SYSTEM PROJECTS DO NOT NUMBER THE SHEETS. THEY ARE NUMBERED LATER AS PART OF A LARGER PLAN PACKAGE.



TYPICAL UPPER TITLE BLOCK

TYPICAL LOWER TITLE BLOCK



Standard Sheet Layout – Title Blocks – Cable Routing

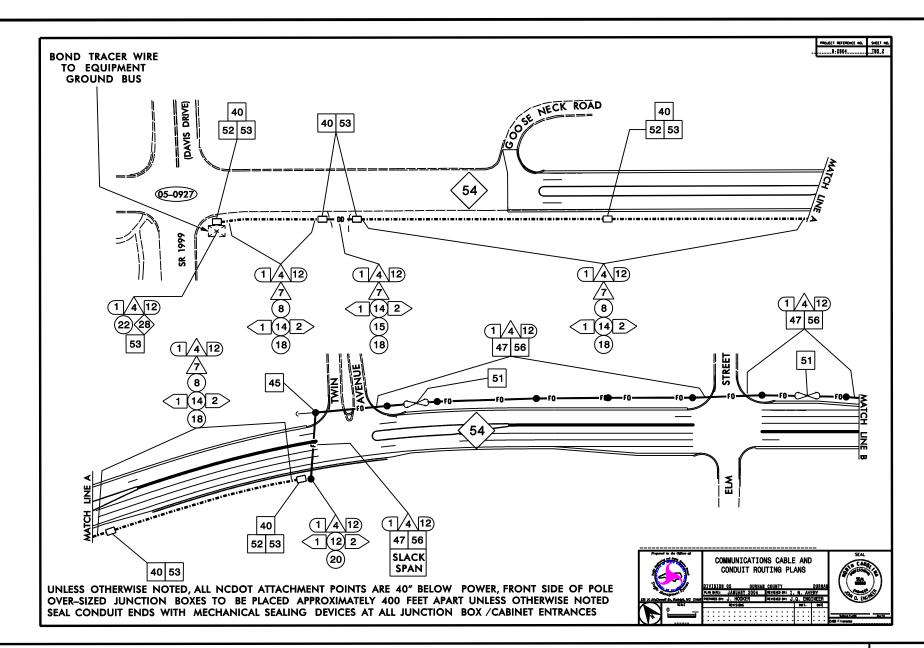
TRAFFIC MANAGEMENT SYSTEMS SECTION
TRAFFIC ENGINEERING AND SAFETY SYSTEMS BRANCH
NORTH CAROLINA DEPARTMENT OF TRANSPORTATION

STD. NO.

9.2

SHEET 3 OF 5

7-04



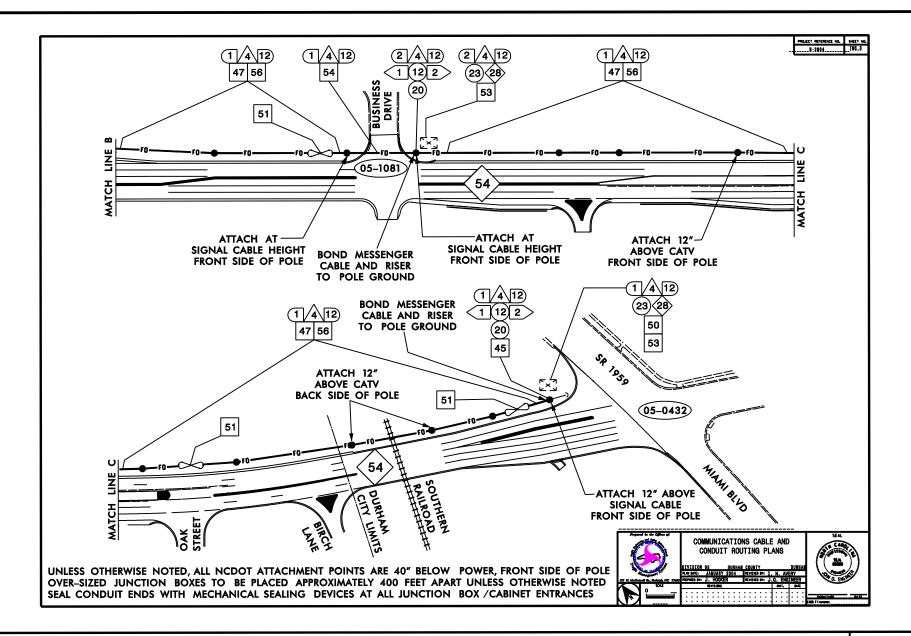
Standard Sheet Layout – Sample Cable Routing Plan Sheet

TRAFFIC MANAGEMENT SYSTEMS SECTION
TRAFFIC ENGINEERING AND SAFETY SYSTEMS BRANCH
NORTH CAROLINA DEPARTMENT OF TRANSPORTATION

STD. NO.

9.2

SHEET 4 OF 5



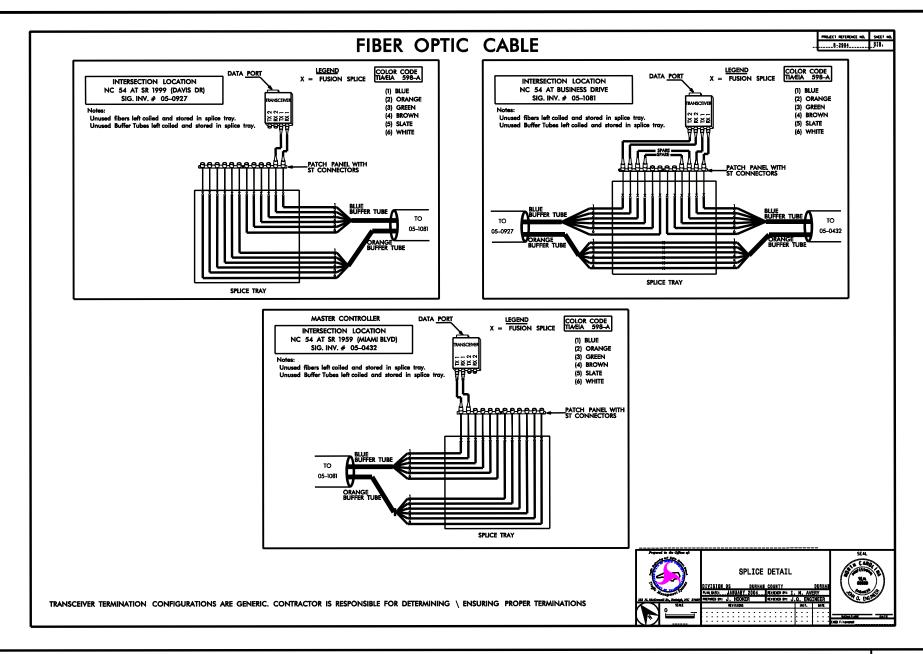
Standard Sheet Layout – Sample Cable Routing Plan Sheet

TRAFFIC MANAGEMENT SYSTEMS SECTION
TRAFFIC ENGINEERING AND SAFETY SYSTEMS BRANCH
NORTH CAROLINA DEPARTMENT OF TRANSPORTATION

STD. NO.

9.2

SHEET 5 OF 5



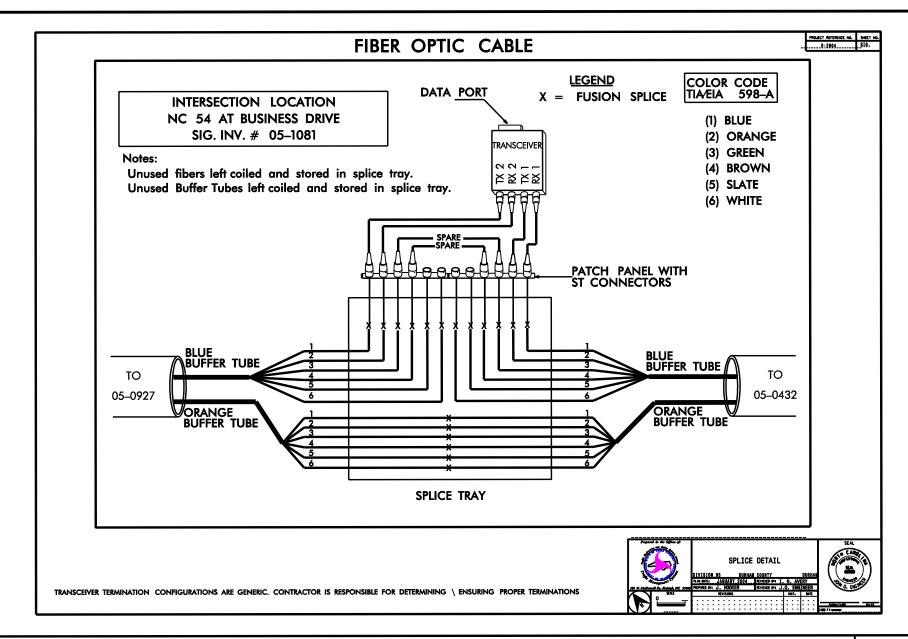
Standard Sheet Layout - Splice Plan

TRAFFIC MANAGEMENT SYSTEMS SECTION
TRAFFIC ENGINEERING AND SAFETY SYSTEMS BRANCH
NORTH CAROLINA DEPARTMENT OF TRANSPORTATION

STD. NO.

9.3

SHEET 1 OF 2



Standard Sheet Layout - Splice Plan - Exploded View

TRAFFIC MANAGEMENT SYSTEMS SECTION
TRAFFIC ENGINEERING AND SAFETY SYSTEMS BRANCH
NORTH CAROLINA DEPARTMENT OF TRANSPORTATION

STD. NO.

9.3

SHEET 2 OF 2