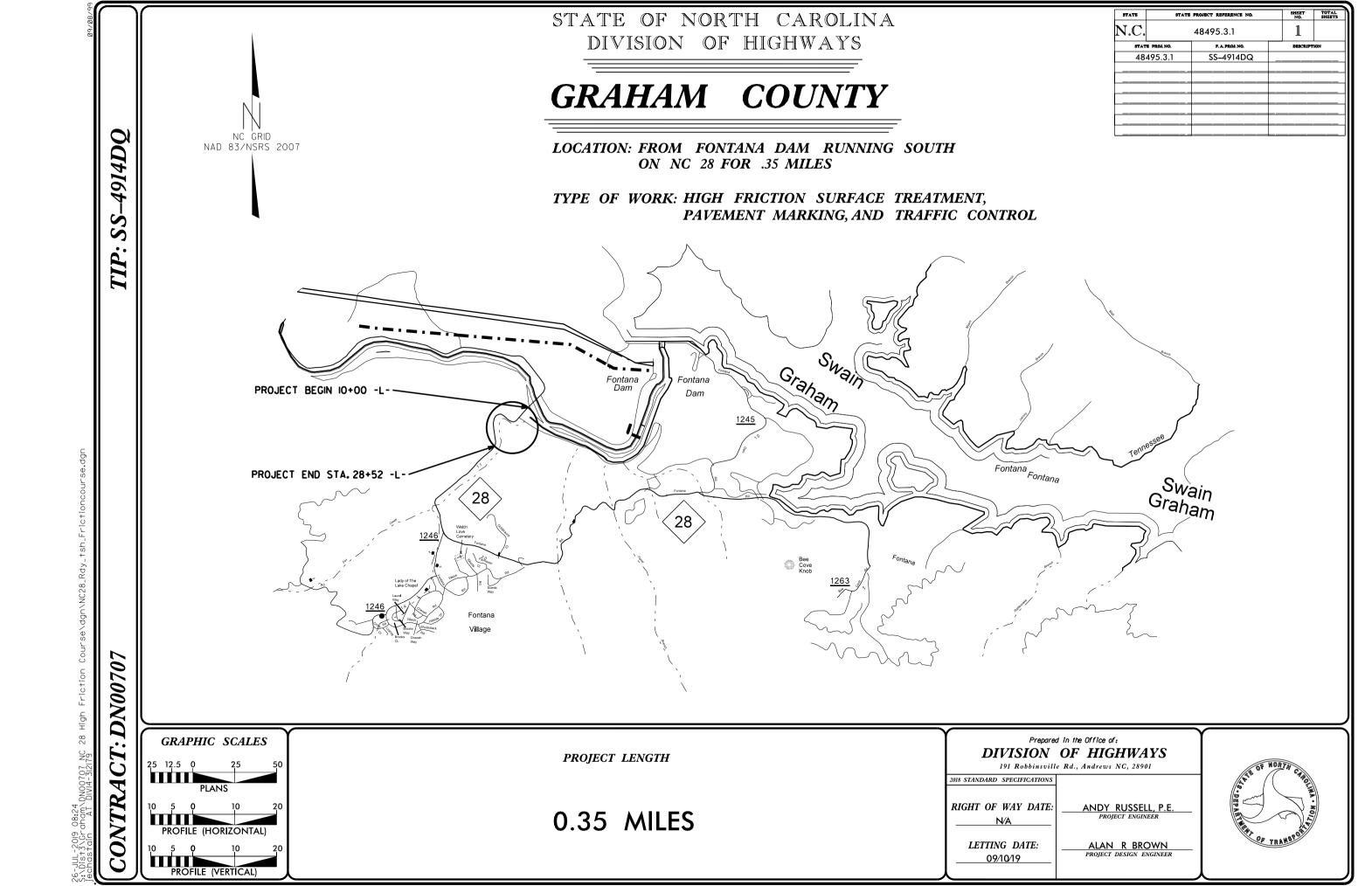
# This electronic collection of documents is provided for the convenience of the user and is Not a Certified Document –

The documents contained herein were originally issued and sealed by the individuals whose names and license numbers appear on each page, on the dates appearing with their signature on that page.

This file or an individual page shall not be considered a certified document.



aB

PROJECT REFERENCE NO SHEET NO 1A48495.3.

#### STATE OF NORTH CAROLINA DIVISION OF HIGHWAYS

### INDEX OF SHEETS

## GENERAL NOTES

## LIST OF ROADWAY **STANDARDS**

TITLE SHEET

INDEX OF SHEETS, GENERAL 1A NOTES AND LIST OF STANDARDS

CONVENTIONAL SYMBOLS

3 TYPICAL SECTIONS

PLAN SHEETS 4-6

PMP-1 - PMP-6 PAVEMENT MARKING PLANS GENERAL NOTES:

2018 SPECIFICATIONS EFFECTIVE: 01-16-2018

- CARE SHALL BE TAKEN TO PREVENT DAMAGE TO EXISTING UTILITIES DURING CONSTRUCTION. ANY DAMAGE TO THESE UTILITIES SHALL BE REPAIRED AT THE CONTRACTOR'S EXPENSE.
- THE CONTRACTOR SHALL MAINTAIN THE SITE IN A MANNER SO THAT WORKMEN AND PUBLIC SHALL BE PROTECTED FROM INJURY.

2018 ROADWAY STANDARD DRAWINGS

The following Roadway Standards as appear in "Roadway Standard Drawings" - Highway Design Branch - N.C. Department of Transportation - Raleigh, N.C., dated January 16, 2018 and the latest revision thereto are applicable to this project and by reference hereby are considered a part of these plans.

STD. NO.

TITLE

DIVISION 5 - SUBGRADE, BASES AND SHOULDERS 560.01 Method of Shoulder Construction DIVISION 6 - ASPHALT BASES AND PAVEMENTS

654.01 Pavement Repairs

DIVISION II - WORK ZONE TRAFFIC CONTROL | IIOI.OI | Work Zone Advance Warning Signs | IIIO.OI | Stationary Work Zone Signs | IIOI.II | Traffic Control Design Tables

DIVISION 12 - PAVEMENT MARKINGS, MARKERS AND DELINEATION 1205.01 Pavement Markings

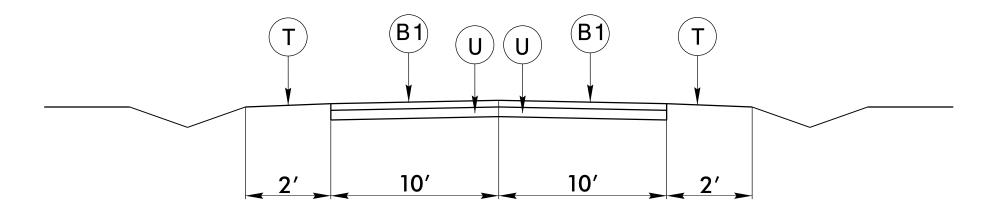
40 40E 7 1	PROJECT REFERENCE NO.	
48495.3.1	48495,3,1	_

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

		CONVENTION	AL PL	AN SHEET SYMI	BOLS		
BOUNDARIES AND PROPERTY:						WATER:	
State Line County Line		D4W D64D6				Water Manhole ————————————————————————————————————	
		RAILROADS:	<del></del>			Water Meter	
Township Line — — — — — — — — — — — — — — — — — — —		Standard Gauge	CSX TRANSPORTATION	Orchard —	සි සි සි සි	Water Valve —————	
City Line Reservation Line		RR Signal Milepost ————————————————————————————————————		Vineyard —	Vineyard	Water Hydrant ————	
			SWILCH	•		Recorded U/G Water Line ——————	
Property Line		RR Abandoned  RR Dismantled		EXISTING STRUCTURES:		Designated U/G Water Line (S.U.E.*)	
Existing Iron Pin				MAJOR:		Above Ground Water Line —————	A/G Water
Property Corner		RIGHT OF WAY:	•	Bridge, Tunnel or Box Culvert ————	CONC		
Property Monument		Baseline Control Point ————————————————————————————————————	•	Bridge Wing Wall, Head Wall and End Wall	- ) CONC WW (	TV:	
Parcel/Sequence Number		Existing Right of Way Marker —————		MINOR:		TV Satellite Dish ————————————————————————————————————	
Existing Fence Line		Existing Right of Way Line	_	Head and End Wall —	CONC HW	TV Pedestal —————	
Proposed Woven Wire Fence		Proposed Right of Way Line ————	•	Pipe Culvert ————————————————————————————————————		TV Tower —	_
Proposed Chain Link Fence		Proposed Right of Way Line with Iron Pin and Cap Marker	<b>─</b>	Footbridge ————————————————————————————————————	<b>&gt;</b>	U/G TV Cable Hand Hole ——————	
Proposed Barbed Wire Fence		Proposed Right of Way Line with	•	Drainage Box: Catch Basin, DI or JB ———	СВ	Recorded U/G TV Cable —————	
Existing Wetland Boundary		Concrete or Granite R/W Marker	<del></del>	Paved Ditch Gutter		Designated U/G TV Cable (S.U.E.*)———	
Proposed Wetland Boundary		Proposed Control of Access Line with	<del></del>	Storm Sewer Manhole —	<b>(S)</b>	Recorded U/G Fiber Optic Cable ————	
Existing Endangered Animal Boundary		Concrete C/A Marker  Existing Control of Access		Storm Sewer —	s	Designated U/G Fiber Optic Cable (S.U.E.*)—	TV F0
Existing Endangered Plant Boundary		_	\@\/				
Known Soil Contamination: Area or Site		Proposed Control of Access —	_	UTILITIES:		GAS:	
Potential Soil Contamination: Area or Site ——	-x-x	Existing Easement Line ————————————————————————————————————		POWER:		Gas Valve ————	
BUILDINGS AND OTHER CULTU	U <b>RE:</b>	Proposed Temporary Construction Easement –		Existing Power Pole —	•	Gas Meter ———————————————————————————————————	
Gas Pump Vent or U/G Tank Cap	- 0	Proposed Temporary Drainage Easement——		Proposed Power Pole —	Å	Recorded U/G Gas Line ————	
Sign —		Proposed Permanent Drainage Easement ——	PDE	Existing Joint Use Pole		Designated U/G Gas Line (S.U.E.*)———	
Well —		Proposed Permanent Drainage / Utility Easeme	ent — DUE — —	Proposed Joint Use Pole ———		Above Ground Gas Line ————	
Small Mine		Proposed Permanent Utility Easement ———	——— PUE ———	Power Manhole —			
Foundation —		Proposed Temporary Utility Easement ———	TUE	Power Line Tower —	₩ <b>⋈</b>	SANITARY SEWER:	
Area Outline		Proposed Aerial Utility Easement ————	———AUE———	Power Transformer —	M	Sanitary Sewer Manhole	•
Cemetery		Proposed Permanent Easement with	^	U/G Power Cable Hand Hole	<u>~</u>	Sanitary Sewer Cleanout —————	
Building —		Iron Pin and Cap Marker	<b>♦</b>	H-Frame Pole		U/G Sanitary Sewer Line —————	ss
School —		ROADS AND RELATED FEATUR				Above Ground Sanitary Sewer ————	A/G Sanitary Sew
Church —	. #	Existing Edge of Pavement		Recorded U/G Power Line —		Recorded SS Forced Main Line	FSS
		Existing Curb —————		Designated U/G Power Line (S.U.E.*)	P	Designated SS Forced Main Line (S.U.E.*) —	
Dam —		Proposed Slope Stakes Cut ————		TELEPHONE:		,	
HYDROLOGY:		Proposed Slope Stakes Fill	<del>F</del>			MISCELLANEOUS:	
Stream or Body of Water ————		Proposed Curb Ramp —————	CR	Existing Telephone Pole —————		Utility Pole ————	
Hydro, Pool or Reservoir —		Existing Metal Guardrail —————		Proposed Telephone Pole —————		Utility Pole with Base —	
Jurisdictional Stream		Proposed Guardrail —————	<u></u>	Telephone Manhole		Utility Located Object —	
Buffer Zone 1	——— BZ 1 ———	Existing Cable Guiderail		Telephone Booth —————		Utility Traffic Signal Box —	
Buffer Zone 2	——— BZ 2———	Proposed Cable Guiderail		Telephone Pedestal —————		Utility Unknown U/G Line ————	
Flow Arrow —	<b>~</b>	Equality Symbol		Telephone Cell Tower ————		U/G Tank; Water, Gas, Oil —	
Disappearing Stream ———>		Pavement Removal ————————————————————————————————————		U/G Telephone Cable Hand Hole ————		Underground Storage Tank, Approx. Loc. —	
Spring —		VEGETATION:	_	Recorded U/G Telephone Cable ————	т		
Wetland —	$\Psi$	Single Tree	- 6:	Designated U/G Telephone Cable (S.U.E.*)—		A/G Tank; Water, Gas, Oil —————	
Proposed Lateral, Tail, Head Ditch ————	≥ FLOW	Single Shrub		Recorded U/G Telephone Conduit ———	тс	Geoenvironmental Boring ————————————————————————————————————	•
False Sump —	$\bigcirc$	Hedge —		Designated U/G Telephone Conduit (S.U.E.*)		U/G Test Hole (S.U.E.*)	=
		Woods Line		Recorded U/G Fiber Optics Cable ———	т ғо	Abandoned According to Utility Records —	AATUR
		TTOOUS LITTE		Designated LI/G Fiber Optics Cable (S.I.E *+		End of Information ———————	E.O.I.

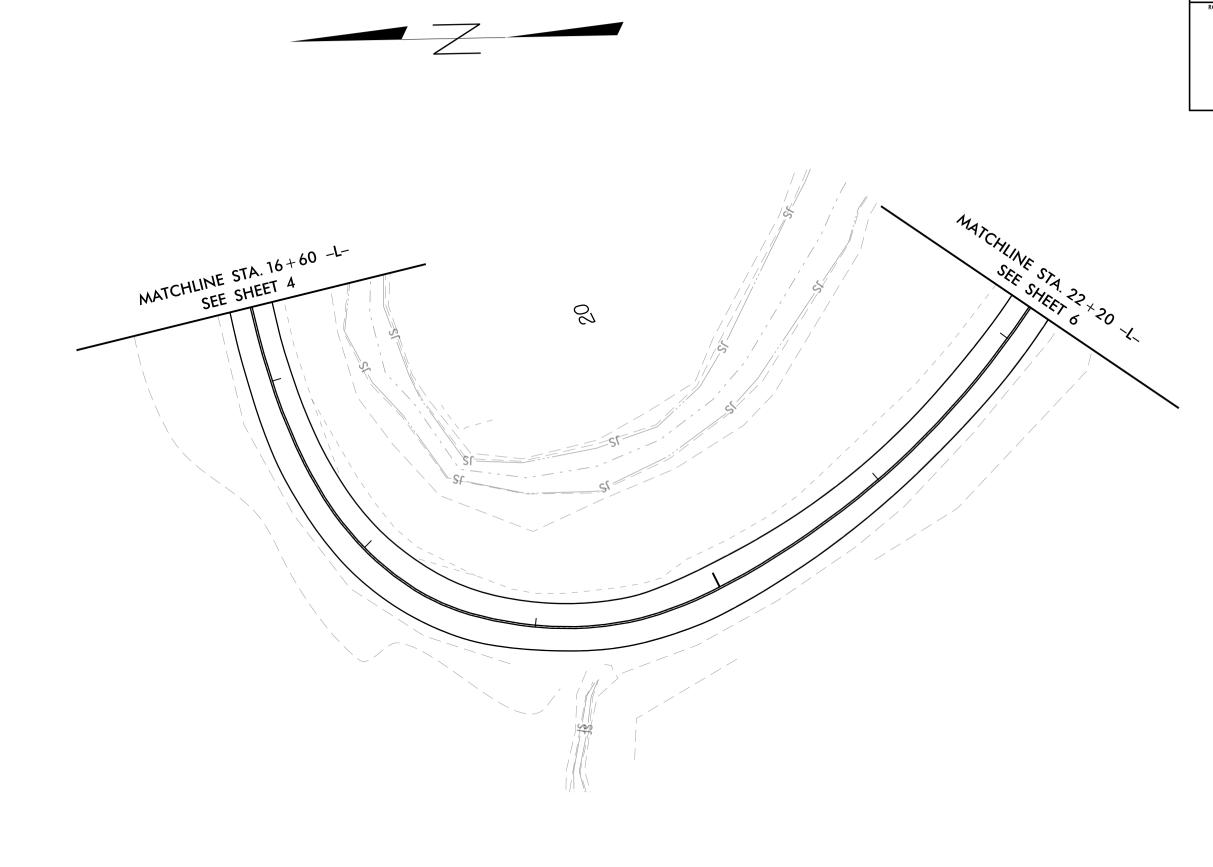
PROJECT REFERENCE NO. SHEET NO. 3

# TYPICAL SECTION NO.1 FROM STA. 10+00 TO 28+52 -L-



B1	HIGH FRICTION SURFACE TREATMENT
U	EXISTING PAVEMENT
Т	SHOULDER RECONSTRUCTION

MATCHLINE STA. 16 5 60 L BEGIN HIGH FRICTION COURSE SURFACE TREATMENT STA. 10+00



SHEET NO. PROJECT REFERENCE NO. 48495.3.1

RW SHEET NO.

ROADWAY DESIGN
ENGINEER

HYDRAULICS ENGINEER

ROADWAY DESIGN ENGINEER MATCHLINE STA. 22+20 SEE SHEET 5 END HIGH FRICTION COURSE SURFACE TREATMENT STA. 28+52 -L-

S-4914DQ

S

NC GRID NAD 83/NSRS 2007

chastain AT DIVI4-3/2/19
CONTRACT: DN00707

STATE OF NORTH CAROLINA
DIVISION OF HIGHWAYS

## GRAHAM COUNTY

LOCATION: FROM FONTANA DAM RUNNING SOUTH ON NC 28 FOR .35 MILES

TYPE OF WORK: HIGH FRICTION SURFACE TREATMENT,
PAVEMENT MARKING, AND TRAFFIC CONTROL

STATE	STATI		SHEET NO.	TOTAL SHEETS		
N.C.			РМР-1			
STAT	E PROJ. NO.	F. A. PROJ. NO.		DESCRIPTION		
48	495.3.1	SS-4914DQ				
			<u> </u>			
			<b>↓</b>			
			╄-			
			ــــ			

PROJECT BEGIN 10+00 -L-	Fontana Dam Fontana Dam 1245	
PROJECT END STA. 28+52 -L-  28  1246  Lady of The Love Sometery  Welch Love Sometery  Lady of The Love Sometery  Welch Love Sometery  W	28  Bee Cove Knob  1263	Fontana Fontana Swain Graham

# ROADWAY STANDARD DRAWINGS 2018 ROADWAY STANDARD DRAWINGS

The following Roadway Standards as appear in "Roadway Standard Drawings" Highway Design Branch - N.C. Department of Transportation Raleigh, N.C., dated January 16, 2018 and the latest revision thereto
are applicable to this project and by reference hereby are considered
a part of these plans.

STD. NO.

904.50

Mounting of Type 'D', 'E' and 'F' Signs on 'U' Channel Posts
1205.01

Pavement Markings - Line Types and Offsets
1205.04

Pavement Markings - Intersections
1205.05

Pavement Markings - Turn Lanes
1205.08

Pavement Markings - Symbols and Word Messages
1205.13

Pavement Markings - New Interchanges and Intersections

## **INDEX**

PMP-I PAVEMENT MARKING PLAN TITLE SHEET

PMP4 - II PAVEMENT MARKING DETAIL

PAVEMENT MARKING SCHEDULE

4" WHITE LINE EDGE- P1
4" DBL YELLOW LINES- P2

#### 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 AS DIRECTED BY THE ENGINEER.

A) INSTALL PAVEMENT MARKINGS ON THE FINAL SURFACE AS FOLLOWS:

ROAD NAME NC 28

MARKING THERMOPLASTIC MARKER NONE

PLACE ONE (I) APPLICATION OF THERMOPLASTIC PAVEMENT MARKINGS ON THE FINAL WEARING SURFACE.

- B) TIE PROPOSED PAVEMENT MARKING LINES TO EXISTING PAVEMENT MARKING LINES
- C) REMOVE/REPLACE ANY CONFLICTING/DAMAGED PAVEMENT MARKINGS AND MARKERS.

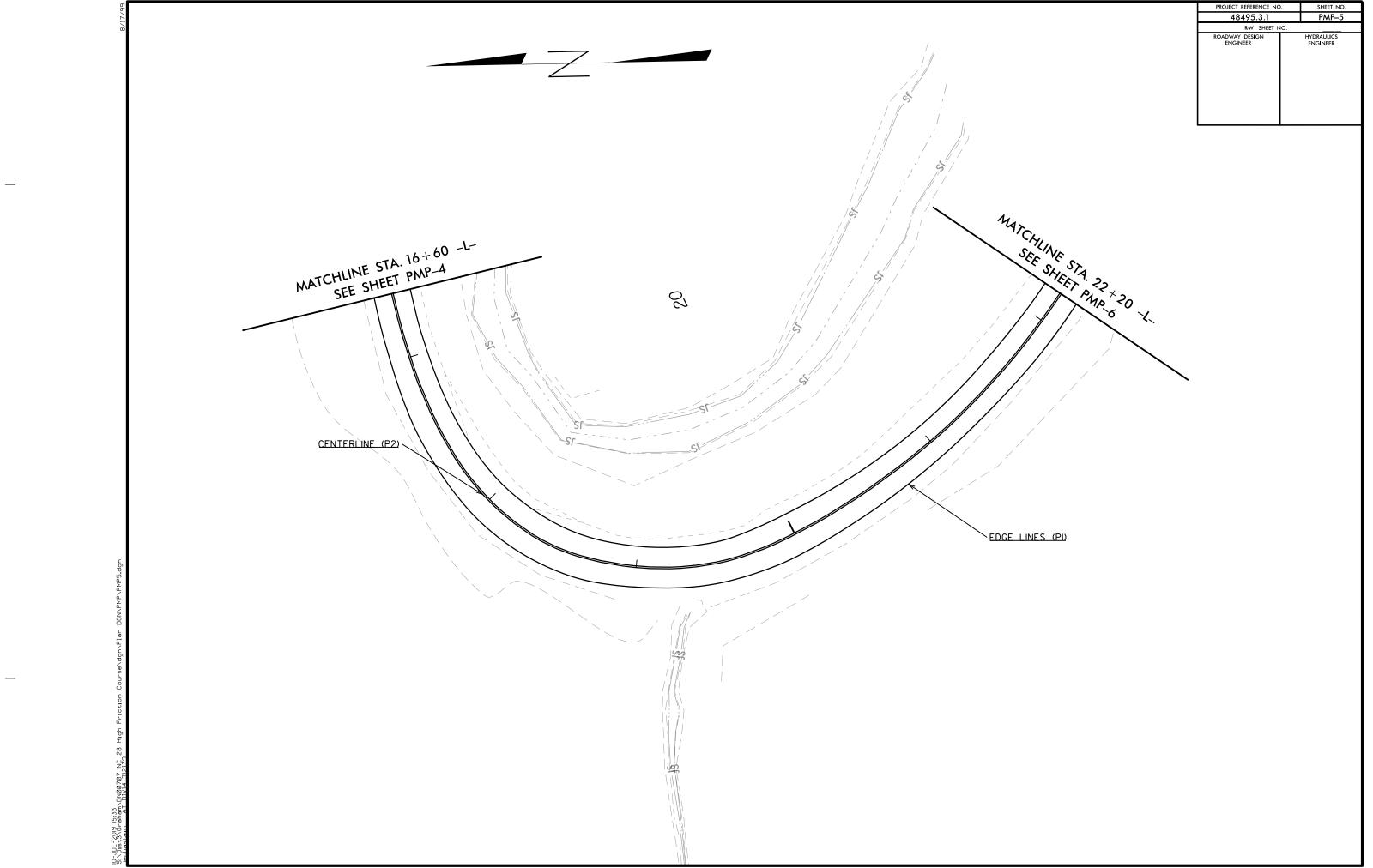
SHEET NO.

P<u>MP</u>\_4 48495.3.1

RW SHEET NO.

ROADWAY DESIGN
ENGINEER 6 , EDGE LINES (PI) CENTERLINE (P2) MATCHLINE STA. 16+60 J.

MATCHLINE SHEET PMP.5 BEGIN STRIPING STA. 10+00



25 /EDGE\_LINES\_(PI) CENTERLINE (P2) MATCHLINE STA. 22+20 SEE SHEET PMP-5 END STRIPING STA.28+52 -L-

sheet no. P<u>MP</u>\_6 48495.3.1

RW SHEET NO.

ROADWAY DESIGN
ENGINEER