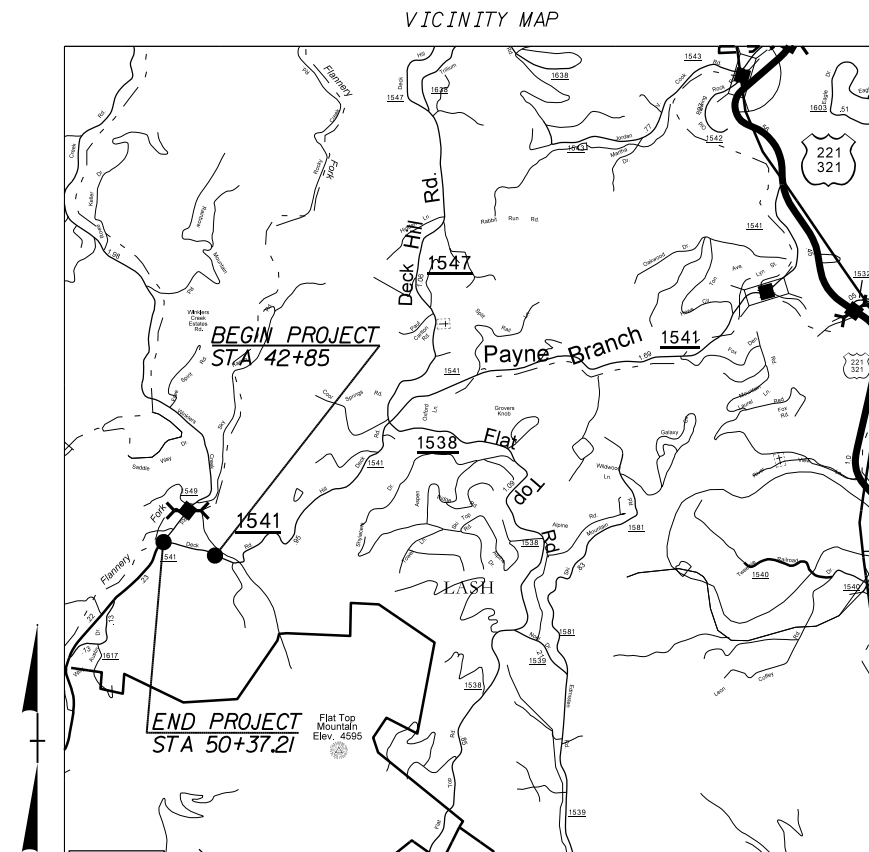


REVISED: 08-18-26

STATE OF NORTH CAROLINA
DIVISION OF HIGHWAYS

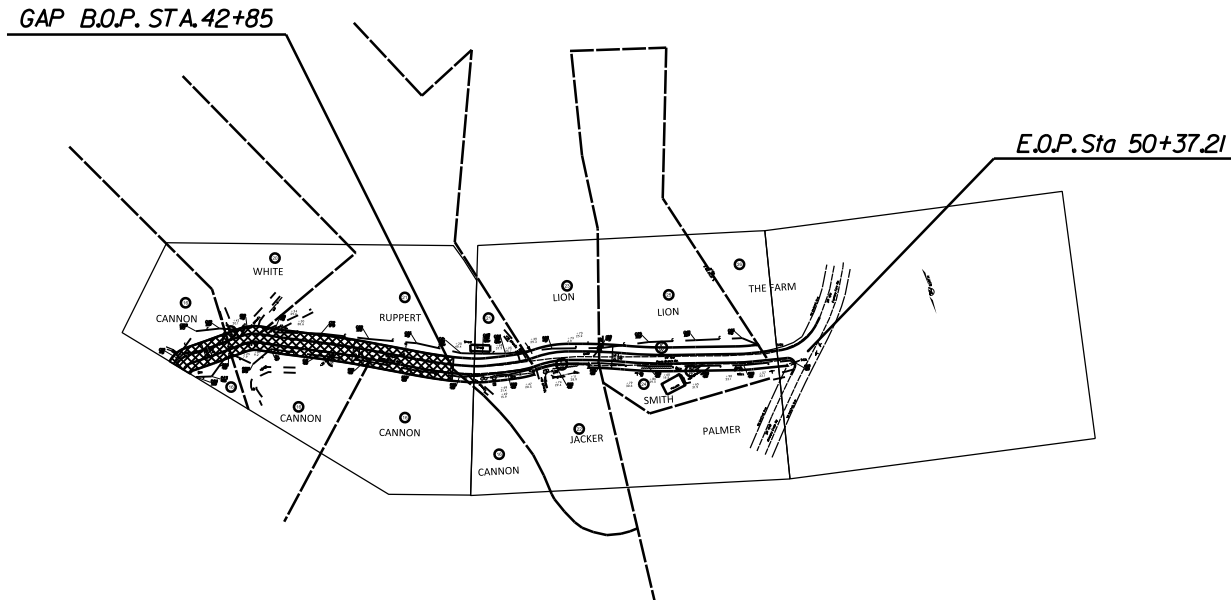
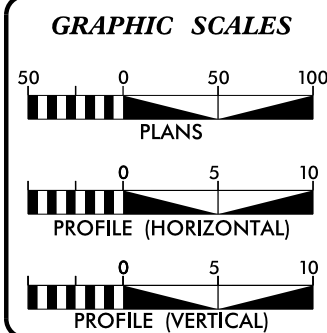
WATAUGA COUNTY

LOCATION: SR 1541B PAYNE BRANCH ROAD
FROM STA 42+85, 0.14 Mi. TO SR 1549
STA. 42+85 TO STA. 50+37.21

***TYPE OF WORK: GRADING, DRAIN, BASE
AND PAVING - 0.14 MILES***

BEGAN SURVEY: 06/16/2016

END SURVEY: 06/26/2018

[illegible]

DESIGN DATA

ADT	=	
ADT	=	
DHV	=	%
D	=	%
T	=	% *
V	=	MPH

* TTST DUAL

PROJECT LENGTH
0.14 Miles

Prepared In the Office of: <i>DIVISION OF HIGHWAYS</i> <i>DIVISION 11, DISTRICT 2 BOONE</i> <i>P.O. BOX 1460, BOONE, N.C. 28607</i>	
<i>2024 STANDARD SPECIFICATIONS</i>	<i>RIGHT OF WAY DATE:</i> <i>LETTING DATE:</i>
<i>MICHAEL L. POE P.E.</i> <i>DIVISION ENGINEER</i>	
<i>TRAVIS CHRISAWN P.</i> <i>DISTRICT ENGINEER</i>	

<i>DIVISION ENGINEER</i>	
SIGNATURE: _____	P.E.
<i>DISTRICT ENGINEER</i>	
SIGNATURE: _____	P.E.

19-AUG-2026 08:19
C:\Users\user\OneDrive\Documents\Secondary\Watauga\SR1541_Payne.Branch\Drawings\New Design\Plan Sheets Gap Section\W1541_rdy_1a.dgn
8/17/99

GENERAL NOTES

PROJECT REFERENCE NO.	SHEET NO.
IIC.095114	1-A
ROADWAY DESIGN ENGINEER	

INDEX OF SHEETS	
SHEET NUMBER	SHEET
1	TITLE SHEET
1-A	INDEX OF SHEETS, GENERAL NOTES, AND LIST OF STANDARD DRAWINGS
1-B	CONVENTIONAL SYMBOLS
1-C	
1-D	UTILITIES POLE DATA AND CENTER LINE SHIFT SHEET
1-E	
2	PAVEMENT SCHEDULE, TYPICAL SECTIONS, AND WEDGING DETAILS
3-B	RIGHT OF WAY DATA SHEET
3-C	DRAINAGE SUMMARY SHEET (48" AND UNDER)
10 THRU 12	PLAN SHEETS

Note: Not to Scale

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

STATE OF NORTH CAROLINA
DIVISION OF HIGHWAYS

CONVENTIONAL PLAN SHEET SYMBOLS

BOUNDARIES AND PROPERTY:

State Line	
County Line	
Township Line	
City Line	
Reservation Line	
Property Line	
Existing Iron Pin	
Property Corner	
Property Monument	
Parcel/Sequence Number	
Existing Fence Line	
Proposed Woven Wire Fence	
Proposed Chain Link Fence	
Proposed Barbed Wire Fence	
Existing Wetland Boundary	
Proposed Wetland Boundary	
Existing Endangered Animal Boundary	
Existing Endangered Plant Boundary	

BUILDINGS AND OTHER CULTURE:

Gas Pump Vent or U/G Tank Cap _____	
Sign _____	
Well _____	
Small Mine _____	
Foundation _____	
Area Outline _____	
Cemetery _____	
Building _____	
School _____	
Church _____	
Dam _____	

HYDROLOGY:

Stream or Body of Water	
Hydro, Pool or Reservoir	
Jurisdictional Stream	
Buffer Zone 1	
Buffer Zone 2	
Flow Arrow	
Disappearing Stream	
Spring	
Wetland	
Proposed Lateral, Tail, Head Ditch	
False Sump	

RAILROADS:

Standard Gauge	
RR Signal Milepost	
Switch	
RR Abandoned	
RR Dismantled	

RIGHT OF WAY:

Baseline Control Point	
Existing Right of Way Marker	
Existing Right of Way Line	
Proposed Right of Way Line	
Proposed Right of Way Line with Iron Pin and Cap Marker	
Proposed Right of Way Line with Concrete or Granite Marker	
Existing Control of Access	
Proposed Control of Access	
Existing Easement Line	
Proposed Temporary Construction Easement	
Proposed Temporary Drainage Easement	
Proposed Permanent Drainage Easement	
Proposed Permanent Utility Easement	

ROADS AND RELATED FEATURES:

Existing Edge of Pavement	
Existing Curb	
Proposed Slope Stakes Cut	
Proposed Slope Stakes Fill	
Proposed Wheel Chair Ramp	
Proposed Wheel Chair Ramp Curb Cut	
Curb Cut for Future Wheel Chair Ramp	
Existing Metal Guardrail	
Proposed Guardrail	
Existing Cable Guiderail	
Proposed Cable Guiderail	
Equality Symbol	
Pavement Removal	

VEGETATION:

Single Tree	
Single Shrub	
Hedge	
Woods Line	
Orchard	
Vineyard	

EXISTING STRUCTURES:

MAJOR:	
Bridge, Tunnel or Box Culvert	
Bridge Wing Wall, Head Wall and End Wall	
MINOR:	
Head and End Wall	
Pipe Culvert	
Footbridge	
Drainage Box: Catch Basin, DI or JB	
Paved Ditch Gutter	
Storm Sewer Manhole	
Storm Sewer	

UTILITIES:

POWER:	
Existing Power Pole	
Proposed Power Pole	
Existing Joint Use Pole	
Proposed Joint Use Pole	
Power Manhole	
Power Line Tower	
Power Transformer	
U/G Power Cable Hand Hole	
H-Frame Pole	
Recorded U/G Power Line	
Designated U/G Power Line (S.U.E.*)	

TELEPHONE:

Existing Telephone Pole	
Proposed Telephone Pole	
Telephone Manhole	
Telephone Booth	
Telephone Pedestal	
Telephone Cell Tower	
U/G Telephone Cable Hand Hole	
Recorded U/G Telephone Cable	
Designated U/G Telephone Cable (S.U.E.*)	
Recorded U/G Telephone Conduit	
Designated U/G Telephone Conduit (S.U.E.*)	
Recorded U/G Fiber Optics Cable	
Designated U/G Fiber Optics Cable (S.U.E.*)	

WATER:

Water Manhole	
Water Meter	
Water Valve	
Water Hydrant	
Recorded U/G Water Line	
Designated U/G Water Line (S.U.E.*)	
Above Ground Water Line	

TV:

TV Satellite Dish	
TV Pedestal	
TV Tower	
U/G TV Cable Hand Hole	
Recorded U/G TV Cable	
Designated U/G TV Cable (S.U.E.*)	
Recorded U/G Fiber Optic Cable	
Designated U/G Fiber Optic Cable (S.U.E.*)	

GAS:

Gas Valve	
Gas Meter	
Recorded U/G Gas Line	
Designated U/G Gas Line (S.U.E.*)	
Above Ground Gas Line	

SANITARY SEWER:

Sanitary Sewer Manhole	
Sanitary Sewer Cleanout	
U/G Sanitary Sewer Line	
Above Ground Sanitary Sewer	
Recorded SS Forced Main Line	
Designated SS Forced Main Line (S.U.E.*)	

MISCELLANEOUS:

Utility Pole	
Utility Pole with Base	
Utility Located Object	
Utility Traffic Signal Box	
Utility Unknown U/G Line	
U/G Tank; Water, Gas, Oil	
A/G Tank; Water, Gas, Oil	
U/G Test Hole (S.U.E.*)	
Abandoned According to Utility Records	
End of Information	

7/2/99

ENTERED BY: MJG
CHECKED BY: JC

DATE: 07/11/18
DATE: 08/18/26

REVISIONS

DATE:

STATE OF NORTH CAROLINA
DIVISION OF HIGHWAYS

PROJECT REFERENCE NO.
IIC.095114

SHEET NO.
I-D

CENTERLINE
SHIFT STA's

POLE DATA SHEET

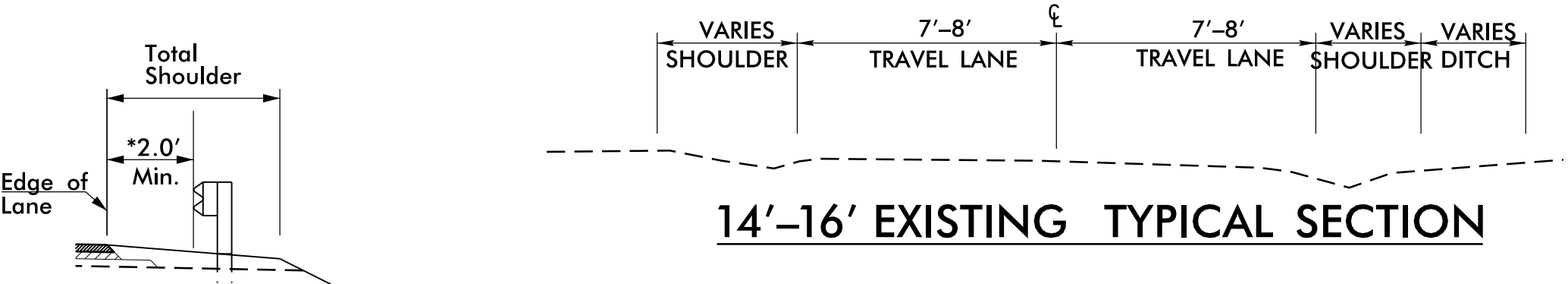
OWNER OF THE POLE LINE: AT&T								OWNER OF THE POLE LINE: CHARTER								STATION		STATION				
STATION	POLE NUMBER	DIST. FROM CENTER PRESENT ROAD		DIST. FROM CENTER PROJECT		DIST. FROM PROJECT AFTER MOVING		REMARKS	STATION	POLE NUMBER	DIST. FROM CENTER PRESENT ROAD		DIST. FROM CENTER PROJECT		DIST. FROM PROJECT AFTER MOVING		REMARKS	LEFT	RIGHT	LEFT	RIGHT	
		LEFT	RIGHT	LEFT	RIGHT	LEFT	RIGHT				LEFT	RIGHT	LEFT	RIGHT	LEFT	RIGHT						
0+32			24.3		24.3		25	PED	11+98			13.4		7.4		25	1 CATV	1+00			37+00	
																		2+00	1		38+00	
																		3+00	6		39+00 1	
4+15		16.8		16.8		25		PED	12+93			12.4		12.4		25	1 CATV	4+00	1	1	40+00	
																		5+00	1		41+00	
																		6+00		BOP	42+85 BOP	
																		7+00			43+00	
8+09			23.1		23.1		25	PED	31+04			14.2		13.2		25	1 CATV	8+00		0.5	44+00	
																		9+00		10	45+00	
11+37			11.7		5.7		25	PED	33+30			18.3		13.3		25	1 CATV	10+00		10	46+00	
																		11+00	6	4	47+00	
11+37			11.7		5.7		25	2STL	35+48			27		23		25	1 CATV	12+00	6	3	48+00	
																		13+00		2	49+00	
11+98			13.4		7.4		25	2STL	36+86		22		22		25		1 CATV	14+00			50+00	
																		15+00		EOP	50+37.21 EOP	
13+97					16.9		25	NO ATTACHMENTS	45+73		36		25		25		1 CATV	16+00			52+00	
																		17+00			53+00	
15+29		24.4		24.4		25		PED										2	18+00			54+00
									OWNER OF THE POLE LINE: BREMCO								2	19+00				55+00
15+36			19.4		19.4		25	PED	STATION	POLE NUMBER	DIST. FROM CENTER PRESENT ROAD		DIST. FROM CENTER PROJECT		DIST. FROM PROJECT AFTER MOVING		REMARKS	3	20+00			56+00
											LEFT	RIGHT	LEFT	RIGHT	LEFT	RIGHT		21+00	1			57+00
20+18		7		10		25		PED	11+98			13.4		7.4		25	1PC	22+00	1			58+00
																		2	23+00			59+00
26+21		24.5		23.4		25		PED	12+93			12.4		12.4		25	1PC	1	24+00			60+00
																		25+00				61+00
35+47			27.5		23.5		25	PED	13+04			14.2		13.2		25	4PW, 4OHGW	26+00	1			62+00
																		27+00				63+00
									33+30			18.3		13.3		25	4PW, 3GW	5	28+00			64+00
																		2	29+00			65+00
									35+48			27		23		25	4PW, 3GW	30+00				66+00
																		31+00	1			67+00
									36+86		22		22		25		4PW, 1TRNS, 4GW	32+00				68+00
																		33+00	5			69+00
									45+73		36		25		25		6PW, 5GW	34+00	4			70+00
																		35+00	4			71+00
																		36+00				72+00

19-AUG-2026 08:22
S:\PROJECTS\IIC\IIC095114\Secondary\Metauga\SR1541_Payne.Branch\Drawings\Plan Sheets Gap Section\W1541_rdy_1.dgn

6/22/99

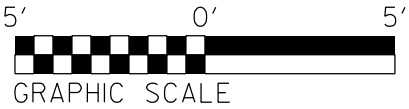
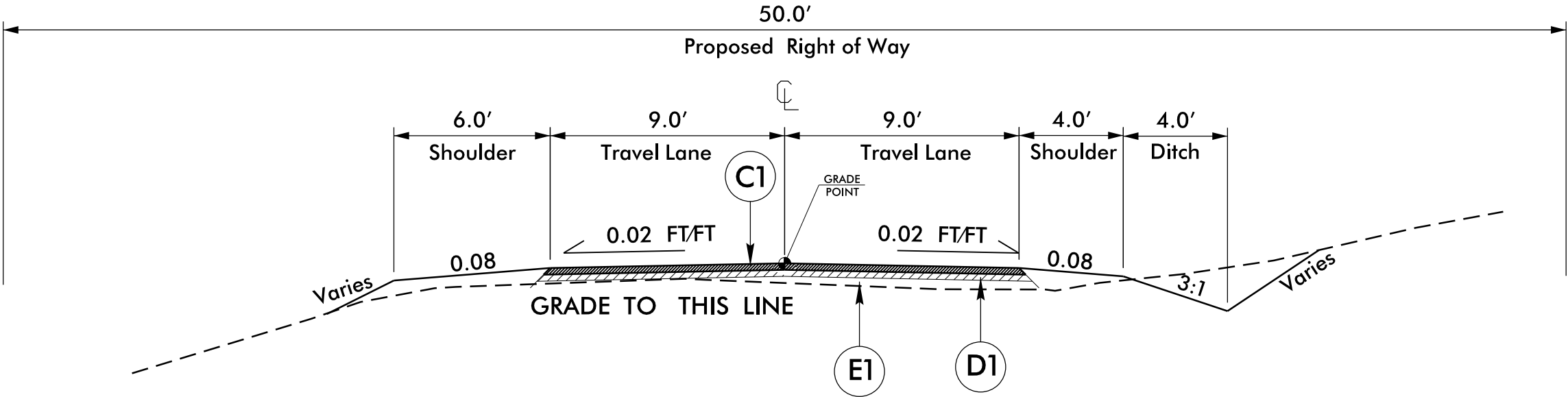
19-AUG-2026 08:24 Secondary\Watauga\SR1541_Payne_Branch\Drawn\New Design\Plan Sheets Gap Section\W1541.txd 2.dgn

PROJECT REFERENCE NO.	SHEET NO.
IIC.095114	2
ROADWAY DESIGN ENGINEER	PAVEMENT DESIGN ENGINEER



GUARDRAIL PLACEMENT

*GUARDRAIL LOCATIONS DIRECTED BY THE ENGINEER

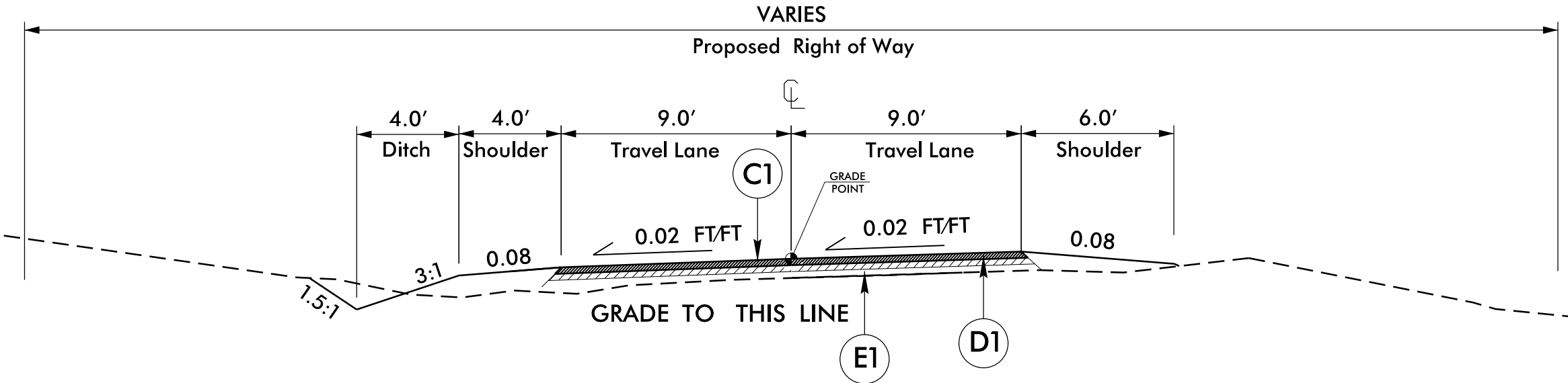


C1	PROP. ASPHALT SURFACE TREATMENT (TRIPLE SEAL).
D1	PROP. APPROX. 3" ASPHALT CONCRETE INTERMEDIATE COURSE, TYPE I19.0C, AT AN AVERAGE RATE OF 342 LBS. PER SQ. YD.
E1	PROP. APPROX. 6" AGGREGATE BASE COURSE.

6/22/99

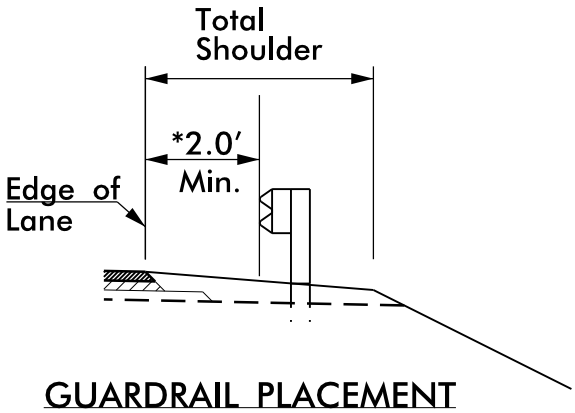
19-AUG-2026 08:25
Secondary\Watauga\SR1541_Payne_Branch\Drawings\New Design\Plan Sheets Gap Section\W1541.tjp.2.dgn

PROJECT REFERENCE NO.	SHEET NO.
IIC.095114	2A
ROADWAY DESIGN ENGINEER	PAVEMENT DESIGN ENGINEER



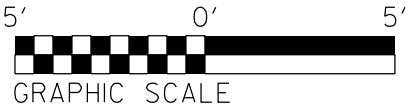
TYPICAL SECTION NO. 2

Sta 44 + 50 to 50 + 37.21



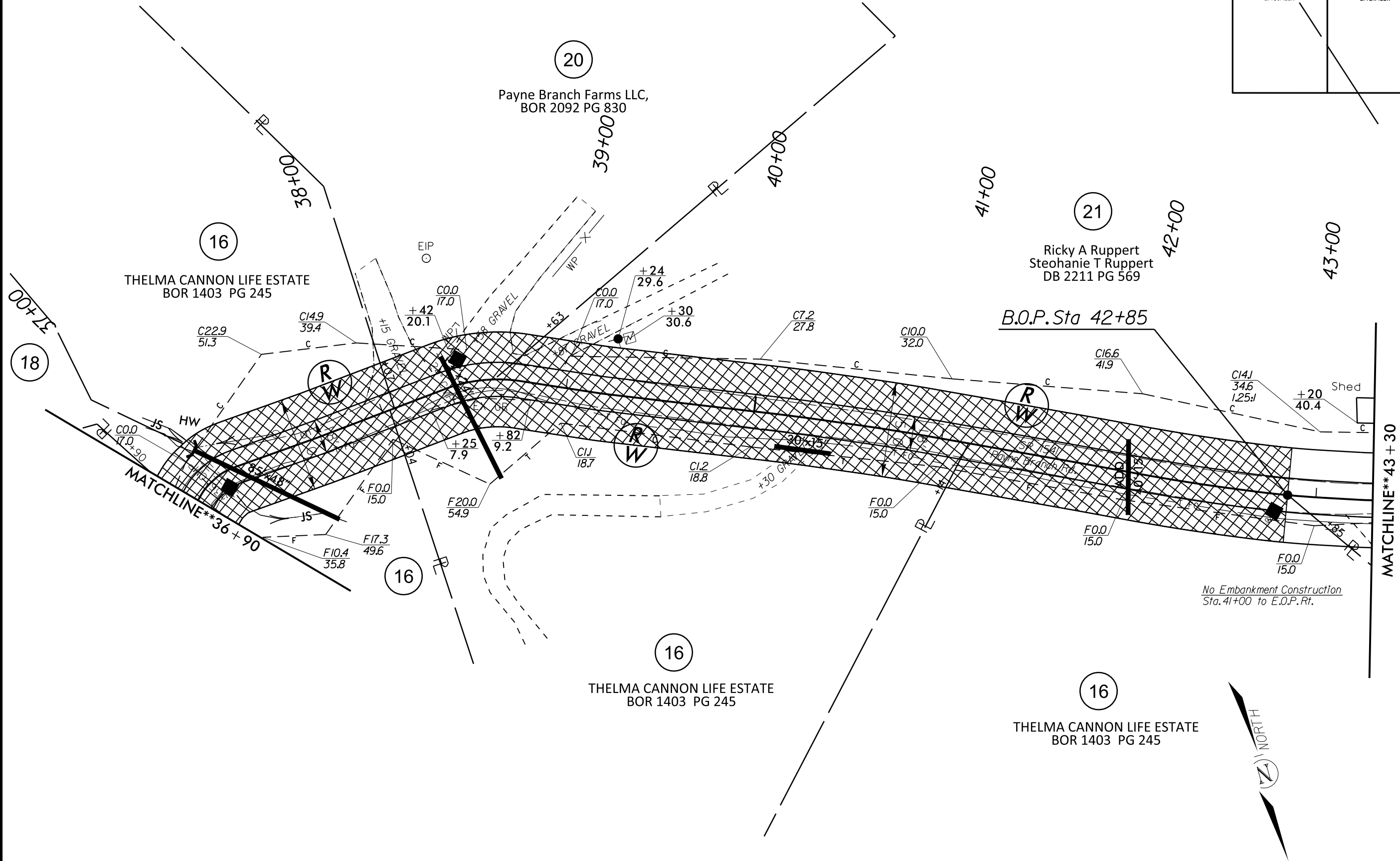
GUARDRAIL PLACEMENT

*GUARDRAIL LOCATIONS
DIRECTED BY THE ENGINEER



C1	PROP. ASPHALT SURFACE TREATMENT (TRIPLE SEAL).
D1	PROP. APPROX. 3" ASPHALT CONCRETE INTERMEDIATE COURSE, TYPE I19.0C, AT AN AVERAGE RATE OF 342 LBS. PER SQ. YD.
E1	PROP. APPROX. 6" AGGREGATE BASE COURSE.

PROJECT REFERENCE NO.	SHEET NO.
11C.095114	10
R/W SHEET NO.	
ROADWAY DESIGN ENGINEER	HYDRAULICS ENGINEER



REVISIONS

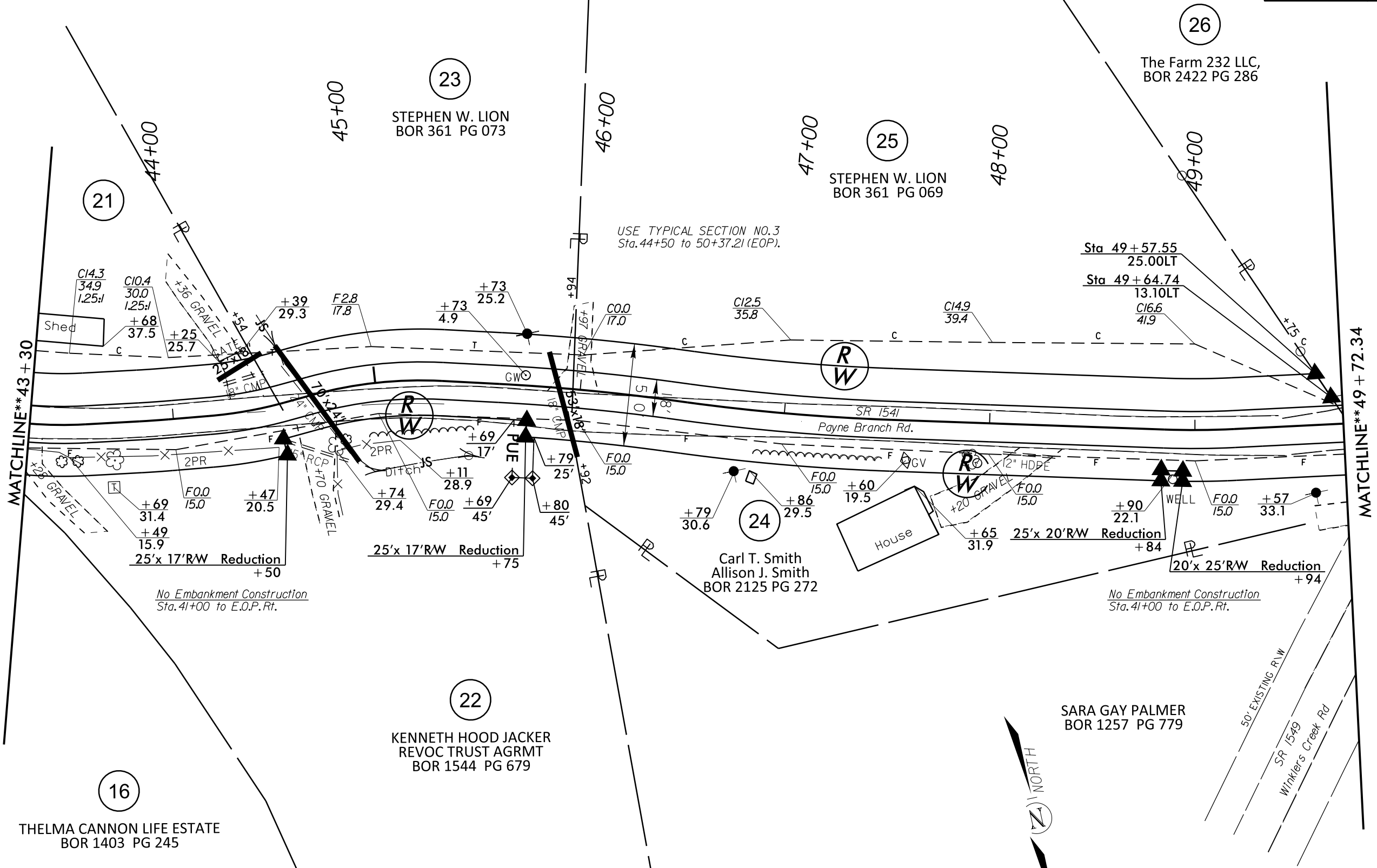
REVISED 9-14-23: UPDATED PARCEL 20 OWNER

19-AUG-2026 08:31 Secondary\Watauga\SR1541_Payne.Branch\Drawn\New Design\Plan Sheets Gap Section\10.dgn 6533111C.095114.dwg

PROJECT REFERENCE NO.	SHEET NO.
11C.095114	11
R/W SHEET NO.	
ROADWAY DESIGN ENGINEER	HYDRAULICS ENGINEER

8/17/99
19-AUG-2026 08:33
C:\Users\jmc\OneDrive\Documents\19-AUG-2026 08:33
Secondary\Watauga\SR1541\Payne.Branch\New Design\Plan Sheets Gap Section\11.dgn

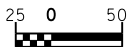
REVISIONS
REVISED 9-14-2023: UPDATED PARCELS 24 & 25 OWNER CHANGE
REVISED 10-17-25: ADDED PUE STA 45+69 - 45+80 Rt.



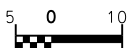
19-AUG-2026 10:41
\\s41-fs1\eng\cadd\cadd\New Design\Plan Sheets Gap Section\EC\SR1541_EC_TSH-1.dgn
8:48:56 PM

REVISION:

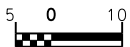
GRAPHIC SCALE



PLANS



PROFILE (HORIZONTAL)



PROFILE (VERTICAL)

ROADSIDE ENVIRONMENTAL UNIT
DIVISION OF HIGHWAYS
STATE OF NORTH CAROLINA

THESE EROSION AND SEDIMENT CONTROL PLANS COMPLY
WITH THE REGULATIONS SET FORTH BY THE
NCG-010000 GENERAL CONSTRUCTION PERMIT EFFECTIVE AUGUST 3, 2011
ISSUED BY THE NORTH CAROLINA DEPARTMENT OF ENVIRONMENT AND
NATURAL RESOURCES DIVISION OF WATER QUALITY.

Prepared In the Office of:
DIVISION OF HIGHWAYS
DIVISION 11, DISTRICT 2 BOONE
P.O. BOX 1460, BOONE, N.C. 28607
2024 STANDARD SPECIFICATIONS

Roadway Standard Drawings

The following roadway english standards as appear in "Roadway Standard Drawings"-- Roadway Design Unit - N. C. Department of Transportation - Raleigh, N. C., dated January 2012 and the latest revision thereto are applicable to this project and by reference hereby are considered a part of these plans.

1604.01	Railroad Erosion Control Detail	1632.01	Rock Inlet Sediment Trap Type A
1605.01	Temporary Silt Fence	1632.02	Rock Inlet Sediment Trap Type J
1606.01	Special Sediment Control Fence	1632.03	Rock Inlet Sediment Trap Type C
1607.01	Gravel Construction Entrance	1633.01	Temporary Rock Silt Check Type A
1622.01	Temporary Berms and Slope Drains	1633.02	Temporary Rock Silt Check Type J
1630.01	Riser Basin	1634.01	Temporary Rock Sediment Dam Type A
1630.02	Silt Basin Type J	1634.02	Temporary Rock Sediment Dam Type J
1630.03	Temporary Silt Ditch	1635.01	Rock Pipe Inlet Sediment Trap Type A
1630.04	Stilling Basin	1635.02	Rock Pipe Inlet Sediment Trap Type J
1630.05	Temporary Diversion	1640.01	Coir Fiber Jaffle
1630.06	Special Stilling Basin	1645.01	Temporary Stream Crossing
1631.01	Matting Installation		

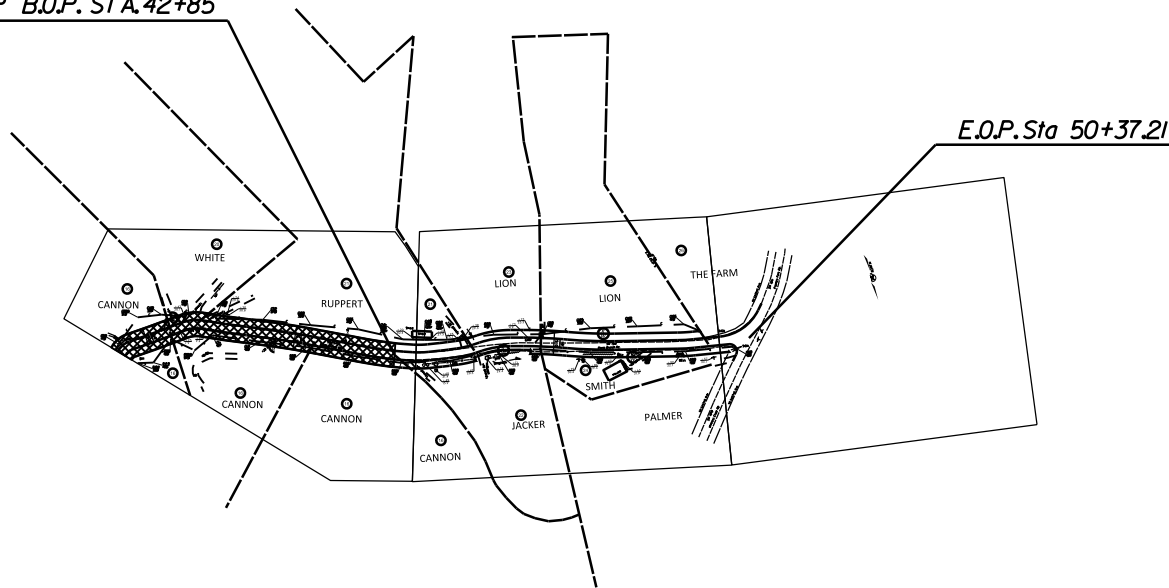
STATE OF NORTH CAROLINA
DIVISION OF HIGHWAYS

WATAUGA COUNTY

LOCATION: SR 1541B PAYNE BRANCH ROAD
FROM STA 42+85, 0.14 Mi. TO SR 1549
STA. 42+85 TO STA. 50+37.21

TYPE OF WORK: GRADING, DRAINAGE, BASE
AND PAVING - 0.14 MILES

GAP B.O.P. STA.42+85



E.O.P. Sta 50+37.21

STATE	STATE PROJECT REFERENCE NO.	SHEET NO.	TOTAL SHEETS
N.C.	11C.095114	EC-1	11
STATE PROJ. NO.	F.A. PROJ. NO.	DESCRIPTION	

EROSION AND SEDIMENT CONTROL MEASURES

Sed. #	Description	Symbol
1630.03	Temporary Silt Ditch	TD
1630.05	Temporary Diversion	TD
1605.01	Temporary Silt Fence	III III III
1606.01	Special Sediment Control Fence	III III III
1622.01	Temporary Berms and Slope Drains	TD
1630.02	Silt Basin Type B	TD
1633.01	Temporary Rock Silt Check Type-A	TD
	Temporary Rock Silt Check Type-A with Matting and Polyacrylamide (PAM)	TD
1633.02	Temporary Rock Silt Check Type-B	TD
	Wattle / Coir Fiber Wattle	TD
	Wattle / Coir Fiber Wattle with Polyacrylamide (PAM)	TD
1634.01	Temporary Rock Sediment Dam Type-A	TD
1634.02	Temporary Rock Sediment Dam Type-B	TD
1635.01	Rock Pipe Inlet Sediment Trap Type-A	TD
1635.02	Rock Pipe Inlet Sediment Trap Type-B	TD
1630.04	Stilling Basin	TD
1630.06	Special Stilling Basin	TD
	Rock Inlet Sediment Trap:	
1632.01	Type A	A
1632.02	Type B	B
1632.03	Type C	C
	Skimmer Basin	TD
	Tiered Skimmer Basin	TD
	Infiltration Basin	TD

THIS PROJECT CONTAINS
EROSION CONTROL PLANS
FOR CLEARING AND
GRUBBING PHASE OF
CONSTRUCTION.

ENVIRONMENTALLY
SENSITIVE AREA(S) EXIST
ON THIS PROJECT

HIGH QUALITY WATER(S) EXIST
ON THIS PROJECT

High Quality Water Zone(s) Exist
From Sta. 0+00
to Sta. 50+37.21
Refer To E. C. Special Provisions
for Special Considerations.

EROSION CONTROL & PIPE INSTALLATION SCHEDULE

TROUT BUFFER ZONE SEQUENCE

GENERAL E&SC NOTES

GROUND STABILIZATION CHART

Erosion Control Schedule and Notes

- Generally, the order of installation of the erosion control measures will be as follows:
 - Temporary silt basins shall be installed before clearing and grubbing begins.
 - Silt fences and temporary silt ditches shall be installed after clearing and before grading.
 - Temporary stone ditch checks with PAM or wattles with PAM shall be installed in all disturbed areas as soon as the disturbance begins.
 - Final stone ditch checks or wattles shall be installed as soon as ditch line is established.
 - Pipe outlet and inlet protection will be done as soon as the pipe is installed.
 - Other permanent erosion control measures are to be implemented as soon as practical.
- Temporary rock silt checks, type B will be spaced by percent grade as shown in the erosion control plan.
- No. 5 stone, or equivalent, will be used in conjunction with the temporary rock silt checks in locations where water is leaving the project or entering a pipe.
- All devices are to be cleaned out when half full.
- Establish permanent vegetation per ground stabilization chart.

Notes:

For silt basin size see the attached erosion control plans.

PAM is to be placed on all Type A checks and wattles in the erosion control chain except for the final device in HWQ and Trout projects.

Wet Pipe Installation Schedule and Notes

- Prior to installing any E&SC measures identify permit conditions and impact area limits.
- Install erosion control devices.
- Manage the water course. The pipe must be placed in the dry. Install dewatering measures.
- Remove material and existing pipe while limiting, material and sediment from entering stream and escaping the project.
- Excavation of stream channel shall not exceed 10' on either side of new pipe or culvert unless indicated on permit.
- Per permit conditions for Corps of Engineers and the Wildlife Resources Commission, all pipes in streams 48" or greater must be buried 12" below streambed elevation. Pipes less than 48" must be buried with 20% of the diameter below streambed elevation.
- Place the new pipe and compact backfill.
- Install slope protection on the outlet and inlet ends of the pipe. Also complete installation of erosion control measures and perform maintenance as needed on existing measures.
- Establish permanent vegetation per ground stabilization chart.
- More information on wet pipe installation can be found in the BMP manual section 4.2 "Pipe & Culvert installation"

General Erosion Control Sequence & Notes for NC DOT Projects in Trout Buffer Zones

- Prior to installing any E&SC measures identify permit conditions and impact area limits. Review trout buffer variance approval conditions for any special provisions.
- All materials should be on the hand before work is commenced.
- Install EC devices
- Work within the buffer zone should be sequenced to minimize the length of time that disturbed areas are exposed. Stream bank stabilization, which includes the area from the edge of water to the top of bank, should be phased so that each day's work is a completed work, including provision of adequate ground cover.
- Graded slopes and fills within the trout buffer zone will within 7 calendar days of completion of any phase of grading be planted or otherwise provided with temporary or permanent ground cover, devices, or structures sufficient to restrain erosion.
- Graded slopes and fills within the trout buffer zone (excluding road shoulders) shall be protected with rolled erosion control product, bonded fiber matrix, or flexible growth medium after seeding.

Notes:

Silt fence backed by woven wire, with a post spacing of 6 feet, shall be used instead of standard silt fence in trout buffer zone. Special sediment control fence shall be used in areas where bedrock is encountered which prohibits the proper anchoring of fabric, and in low points of the silt fence in 3-foot sections to allow for concentrated flows.

The disturbed areas within the stream buffer shall be restored to native vegetation characteristic of an undisturbed buffer to the extent practical upon completion of construction.

Flyrock protection such as blast mats should be provided for blasting in close proximity to streams.

PAM is to be placed on all Type A checks and wattles in the erosion control chain except for the final device in HWQ and Trout projects.

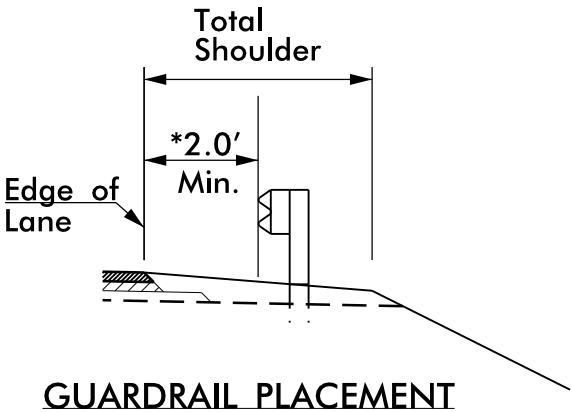
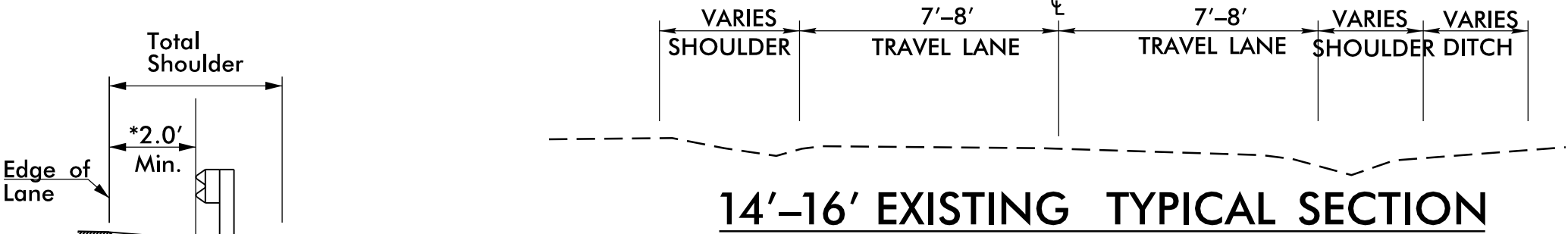
GROUND STABILIZATION CHART

Site Area Description	Stabilization Time Frame	Stabilization Time Frame Exceptions
Perimeter dikes, swales, ditches and slopes	7 days	None
High Quality Water Zones	7 days	None
Slopes steeper than 3:1	7 days	If slopes are 10 ft. or less in length and are not steeper than 2:1, 14 days are allowed
Slopes 3:1 or flatter	14 days	7 days for slopes greater than 50' in length
All other areas flatter than 4:1	14 days	None (except for perimeters and HQW zones)

6/22/99

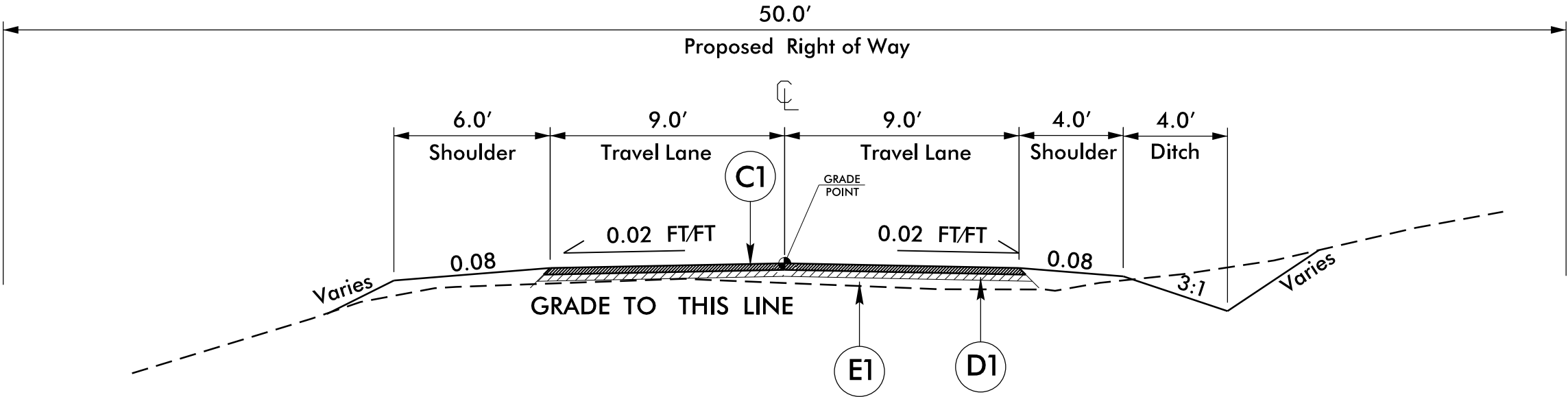
19-AUG-2026 08:24 Secondary\Watauga\SR1541_Payne_Branch\Drawn\New Design\Plan Sheets Gap Section\W1541.txd 2.dgn

PROJECT REFERENCE NO.	SHEET NO.
IIC.095114	2
ROADWAY DESIGN ENGINEER	PAVEMENT DESIGN ENGINEER



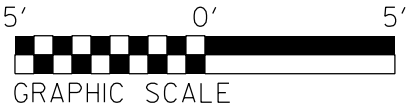
GUARDRAIL PLACEMENT

*GUARDRAIL LOCATIONS DIRECTED BY THE ENGINEER



TYPICAL SECTION NO. 1

Sta 42 + 85 to 44 + 50



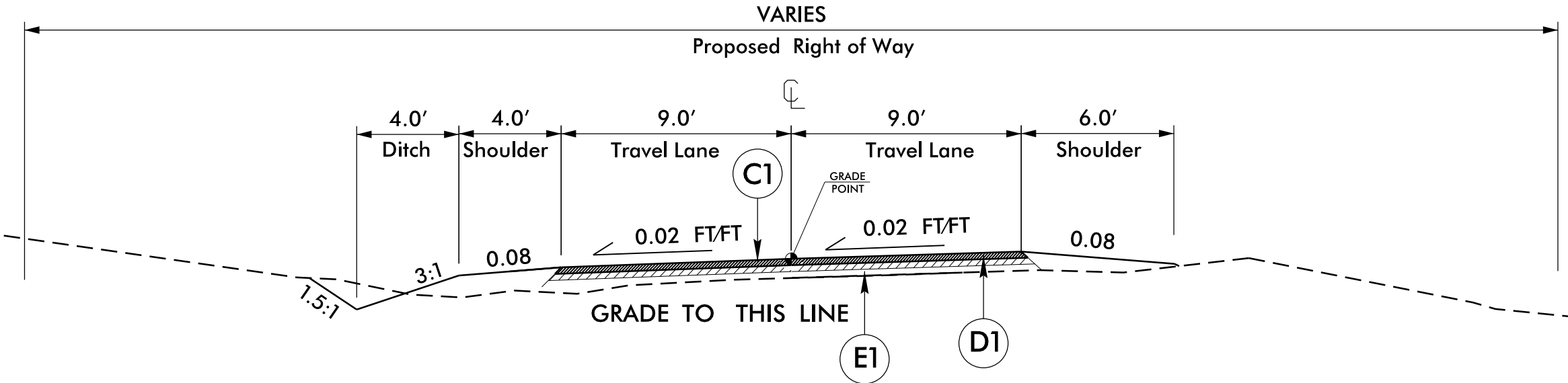
GRAPHIC SCALE

C1	PROP. ASPHALT SURFACE TREATMENT (TRIPLE SEAL).
D1	PROP. APPROX. 3" ASPHALT CONCRETE INTERMEDIATE COURSE, TYPE I19.0C, AT AN AVERAGE RATE OF 342 LBS. PER SQ. YD.
E1	PROP. APPROX. 6" AGGREGATE BASE COURSE.

6/22/99

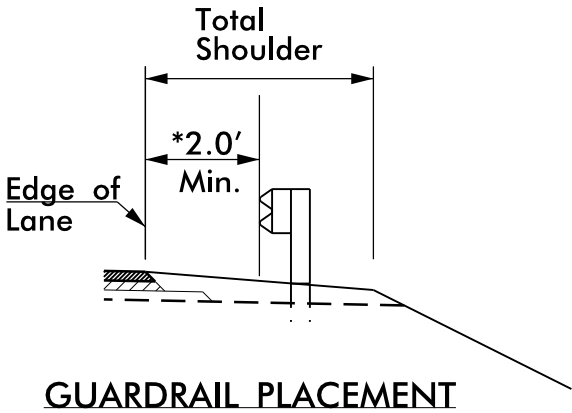
19-AUG-2026 08:25
Secondary\Watauga\SR1541_Payne_Branch\Drawn\New Design\Plan Sheets Gap Section\W1541.typ.2.dgn

PROJECT REFERENCE NO.	SHEET NO.
IIC.095114	2A
ROADWAY DESIGN ENGINEER	PAVEMENT DESIGN ENGINEER

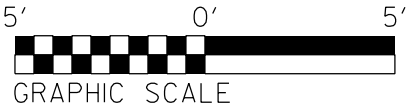


TYPICAL SECTION NO. 2

Sta 44 + 50 to 50 + 37.21



*GUARDRAIL LOCATIONS
DIRECTED BY THE ENGINEER



C1	PROP. ASPHALT SURFACE TREATMENT (TRIPLE SEAL).
D1	PROP. APPROX. 3" ASPHALT CONCRETE INTERMEDIATE COURSE, TYPE I19.0C, AT AN AVERAGE RATE OF 342 LBS. PER SQ. YD.
E1	PROP. APPROX. 6" AGGREGATE BASE COURSE.

DIVISION OF HIGHWAYS
STATE OF NORTH CAROLINA

PROJECT REFERENCE NO.	SHEET NO.
IIC.095114	EC-3

ROADWAY DESIGN ENGINEER	HYDRAULICS ENGINEER
----------------------------	------------------------

SOIL STABILIZATION SUMMARY SHEET

MATTING FOR EROSION CONTROL

[illegible]

PERMANENT SOIL REINFORCEMENT MAT

[illegible]

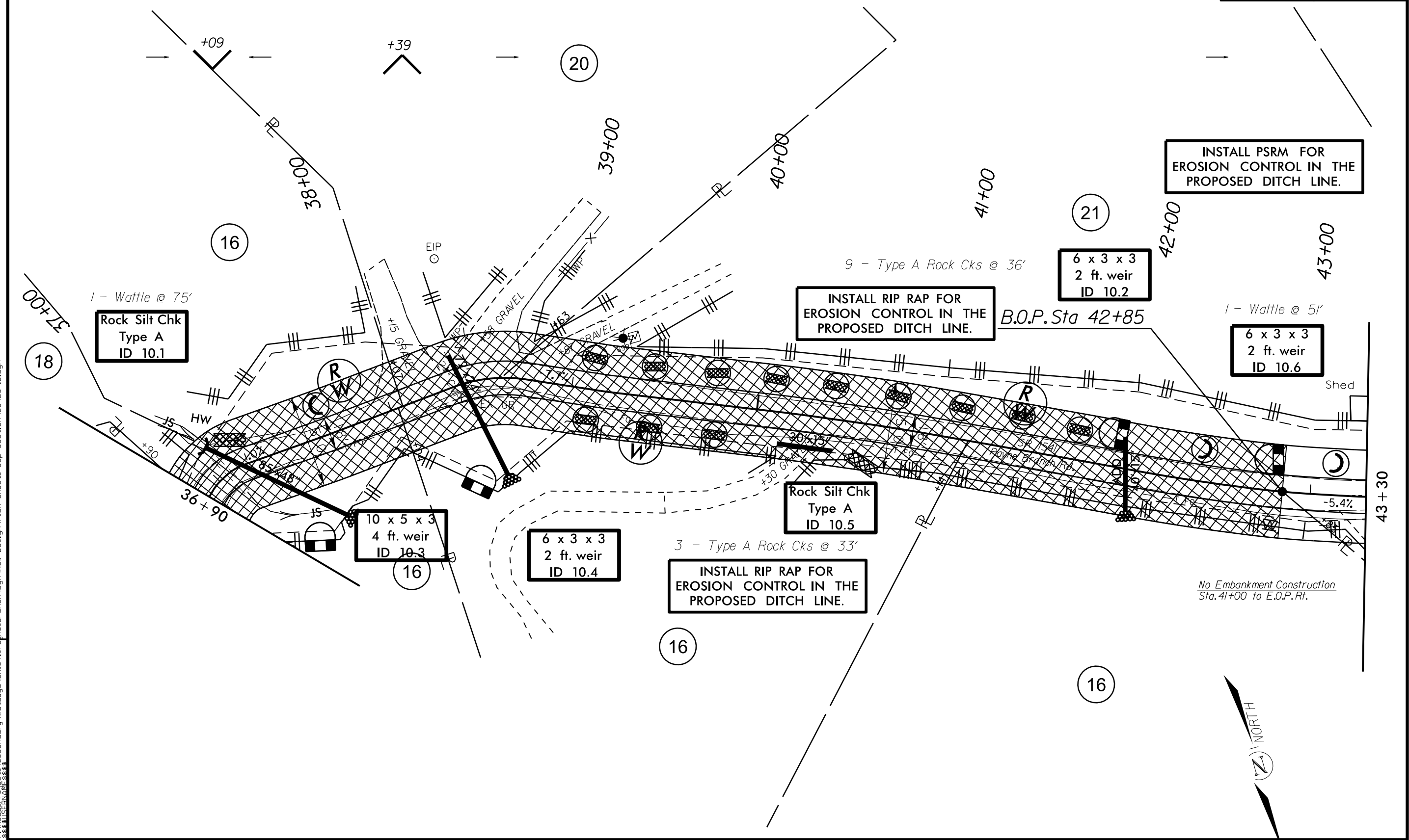
DIVISION OF HIGHWAYS
STATE OF NORTH CAROLINA

PROJECT REFERENCE NO.	SHEET NO.
11C.095114	EC-3B
ROADWAY DESIGN ENGINEER	HYDRAULICS ENGINEER

SOIL STABILIZATION TIMEFRAMES

SITE DESCRIPTION	STABILIZATION TIME	TIMEFRAME EXCEPTIONS
PERIMETER DIKES, SWALES, DITCHES AND SLOPES	7 DAYS	NONE
HIGH QUALITY WATER (HQW) ZONES	7 DAYS	NONE
SLOPES STEEPER THAN 3:1	7 DAYS	IF SLOPES ARE 10' OR LESS IN LENGTH AND ARE NOT STEEPER THAN 2:1, 14 DAYS ARE ALLOWED.
SLOPES 3:1 OR FLATTER	14 DAYS	7 DAYS FOR SLOPES GREATER THAN 50' IN LENGTH.
ALL OTHER AREAS WITH SLOPES FLATTER THAN 4:1	14 DAYS	NONE, EXCEPT FOR PERIMETERS AND HQW ZONES.

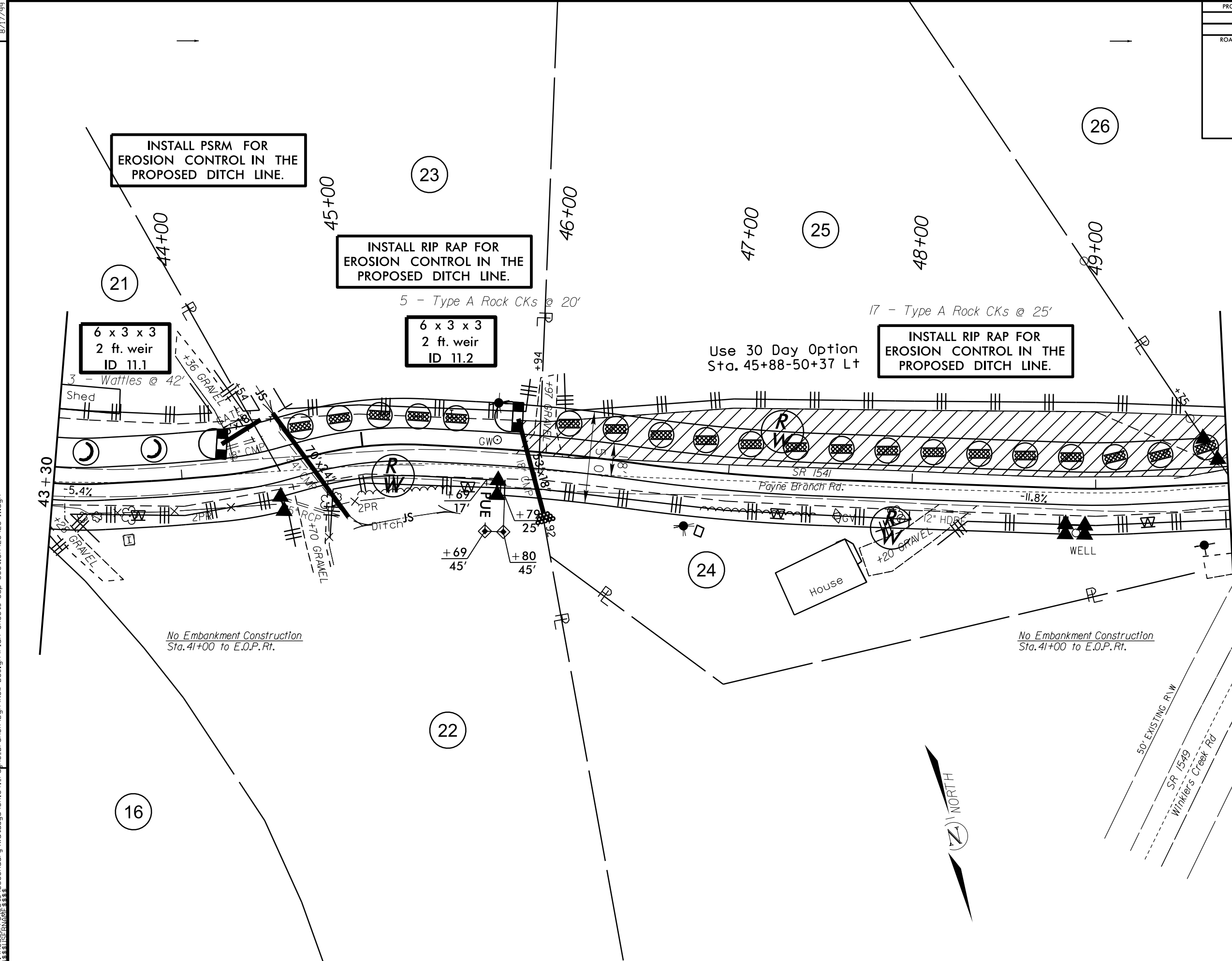
PROJECT REFERENCE NO.	SHEET NO.
11C.095114	EC-10
R/W SHEET NO.	10
ROADWAY DESIGN ENGINEER	HYDRAULICS ENGINEER



REVISIONS

19-AUG-2026 10:31 Secondary\Watauga\SR1541_Polme.Branch\Drawn\New Design\Plan Sheets Gap Section\EC\EC-10.dgn 8/17/99

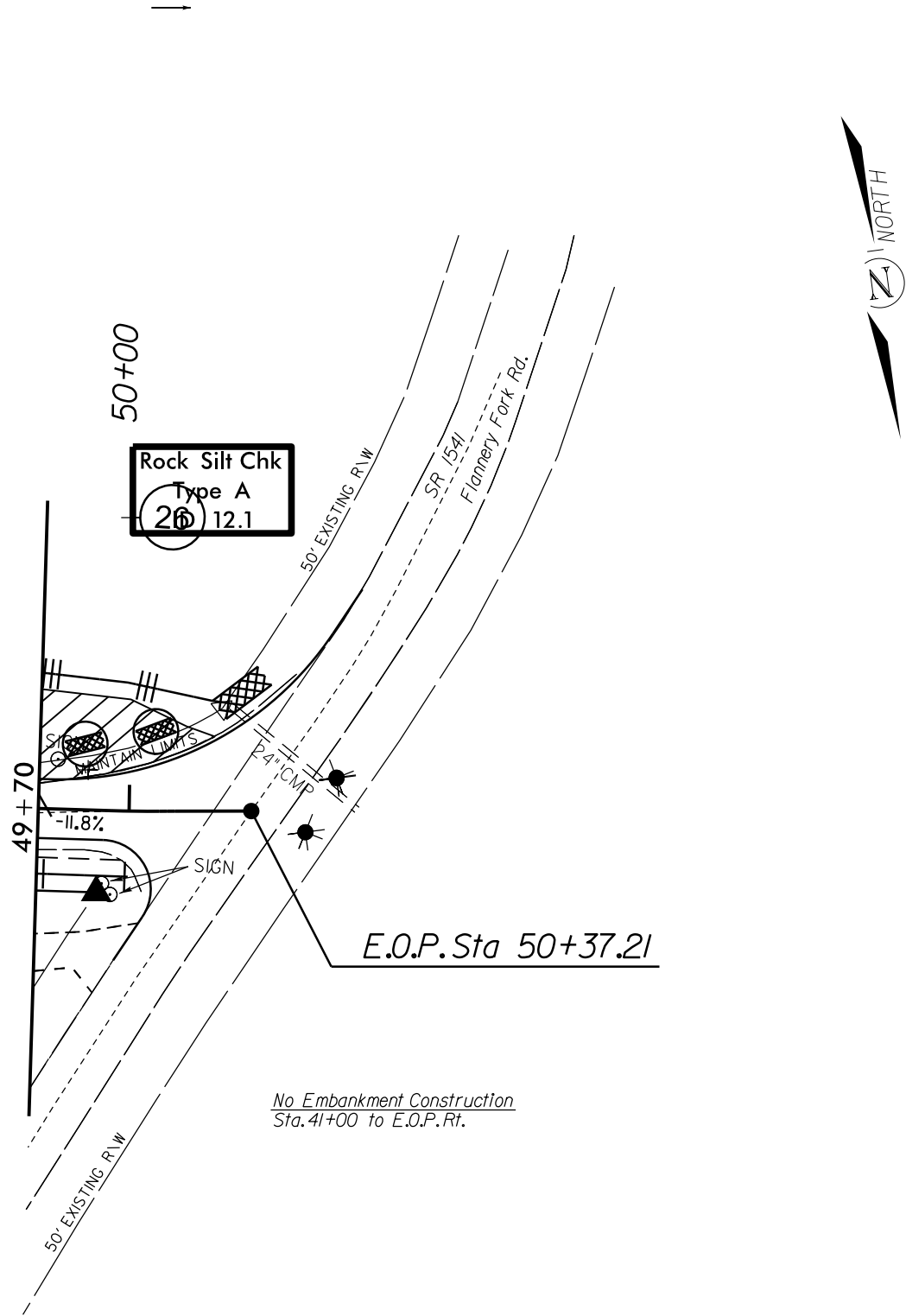
PROJECT REFERENCE NO.	SHEET NO.
11C.095114	EC-11
R/W SHEET NO.	//
ROADWAY DESIGN ENGINEER	HYDRAULICS ENGINEER



8/17/99
19-AUG-2026 10:34
S:\PROJECTS\11C.095114\11C.095114.dgn
Section\EC\EC-11.dgn
Payne Branch Rd New Design Plan Sheets Gap

REVISIONS

REVISIONS	



PROJECT REFERENCE NO.	SHEET NO.
11C.095114	EC-12
R/W SHEET NO.	12
ROADWAY DESIGN ENGINEER	HYDRAULICS ENGINEER

8/17/99
19-AUG-2026 10:37
Secondary\Watauga\SR1541\Payne.Branch\Drawings\Plan Sheets Gap Section\EC\SR 1541_Wet Pipe- Sta. 44+68.dgn
S:\Projects\Watauga\SR1541\Payne.Branch\Drawings\Plan Sheets Gap Section\EC\SR 1541_Wet Pipe- Sta. 44+68.dgn

REVISIONS

PROJECT REFERENCE NO.	SHEET NO.
11C.095114	EC-17
R/W SHEET NO.	11
ROADWAY DESIGN ENGINEER	HYDRAULICS ENGINEER

SR 1541 Payne Branch.
WET PIPE SURVEY STA.44+68

STREAM NAME:Unnamed Tributary
to Flannery Fork (INDEX 10-1-4-3-(2)
RATING:WS-II;TR,HQW
EXISTING PIPE SIZE:24" x 60' CMP
NEW PIPE SIZE:24" x 70'
PIPE TO BE LAID ON A 111°SKEW
WITH 8.4% FALL
1 ft Stream

