

TIP PROJECT: B-4463

STATE OF NORTH CAROLINA
DIVISION OF HIGHWAYS

PLAN FOR PROPOSED
HIGHWAY EROSION CONTROL

CHOWAN COUNTY

**LOCATION: BRIDGE NO. 12 OVER QUEEN ANNE CREEK
ON NC 32**

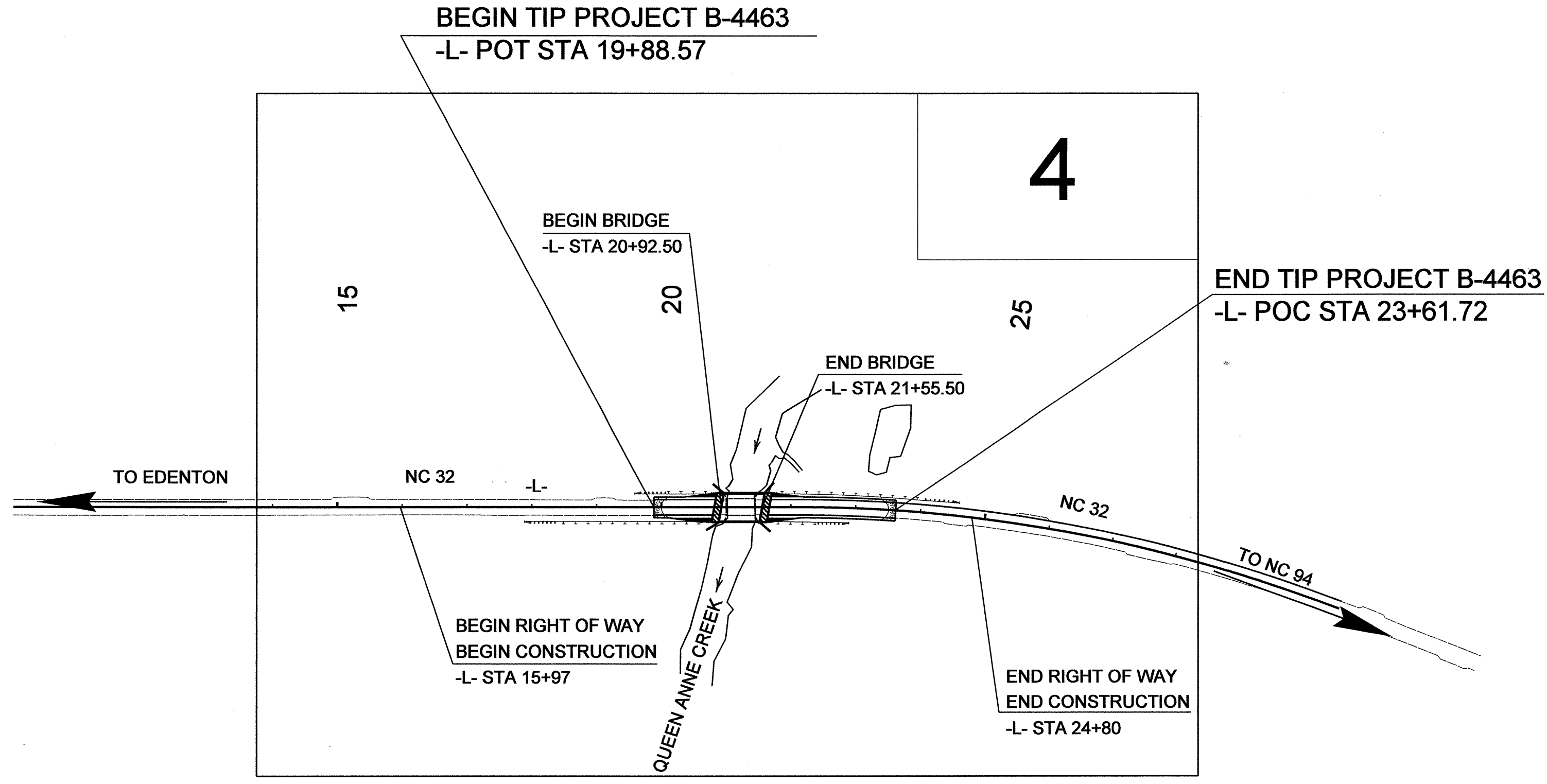
TYPE OF WORK: GRADING, PAVING, MILLING, DRAINAGE, AND STRUCTURE

STATE	STATE PROJECT REFERENCE NO.	SHEET NO.	TOTAL SHEETS
N.C.	B-4463	EC-1	
STATE PROJ. NO.	F.A. PROJ. NO.	DESCRIPTION	

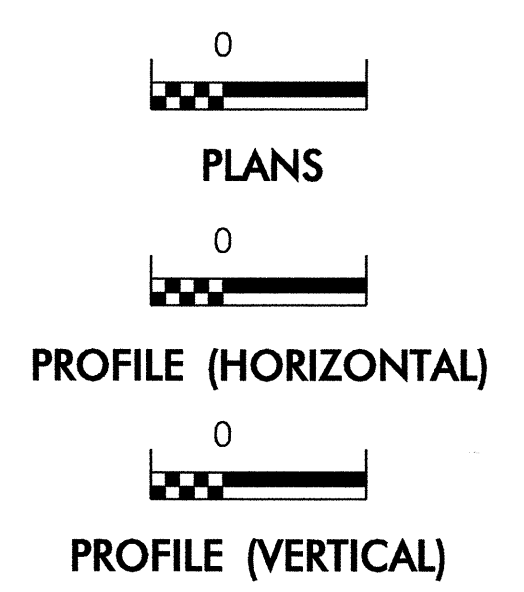
EROSION AND SEDIMENT CONTROL MEASURES

Std. #	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.....	△△△△△△△△
1622.01	Temporary Berms and Slope Drains.....	T
	Silt Basin Type B.....	▨
1633.01	Temporary Rock Silt Check Type-A.....	▨
	Temporary Rock Silt Check Type-A with Matting and Polyacrylamide (PAM).....	⊗
	Temporary Rock Silt Check Type-B.....	▶
	Wattle/Coir Fiber Wattle.....	⌒
	Wattle/Coir Fiber Wattle with Polyacrylamide (PAM).....	⌒
1634.01	Temporary Rock Sediment Dam Type-A.....	▨
1634.02	Temporary Rock Sediment Dam Type-B.....	▨
1635.01	Rock Pipe Inlet Sediment Trap Type-A.....	⊗
1635.02	Rock Pipe Inlet Sediment Trap Type-B.....	⊗
1630.04	Stilling Basin.....	▭
1630.06	Special Stilling Basin.....	▭
	Rock Inlet Sediment Trap:	
1632.01	Type A.....	A
1632.02	Type B.....	B
1632.03	Type C.....	C
	Skimmer Basin.....	▭
	Tiered Skimmer Basin.....	▭
	Infiltration Basin.....	▭

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



GRAPHIC SCALE



ROADSIDE ENVIRONMENTAL UNIT
DIVISION OF HIGHWAYS
STATE OF NORTH CAROLINA

Prepared in the Office of:
ROADSIDE ENVIRONMENTAL UNIT
1 South Wilmington St.
Raleigh, NC 27611
2006 STANDARD SPECIFICATIONS

Roadway Standard Drawings

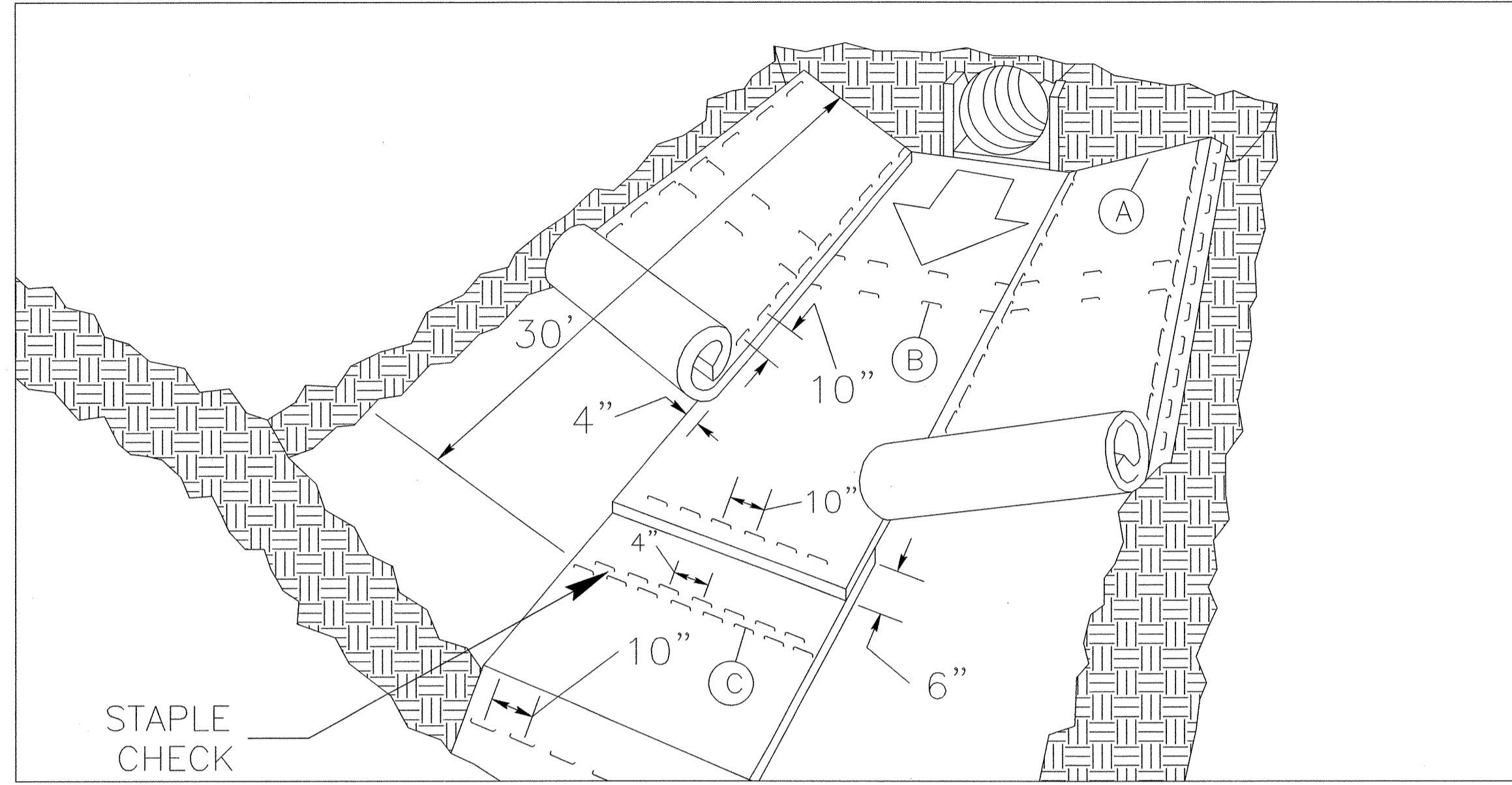
The following roadway english standards as appear in "Roadway Standard Drawings"- Roadway Design Unit - N. C. Department of Transportation - Raleigh, N. C., dated July 18, 2006 and the latest revision thereto are applicable to this project and by reference hereby are considered a part of these plans.

1605.01 Temporary Silt Fence	1632.03 Rock Inlet Sediment Trap Type C
1606.01 Special Sediment Control Fence	1633.01 Temporary Rock Silt Check Type A
1607.01 Gravel Construction Entrance	
1622.01 Temporary Berms and Slope Drains	

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PROJECT REFERENCE NO. B-4463	SHEET NO. EC-2
RW SHEET NO.	
ROADWAY DESIGN ENGINEER	HYDRAULICS ENGINEER

MATTING INSTALLATION DETAIL



MATTING IN DITCHES

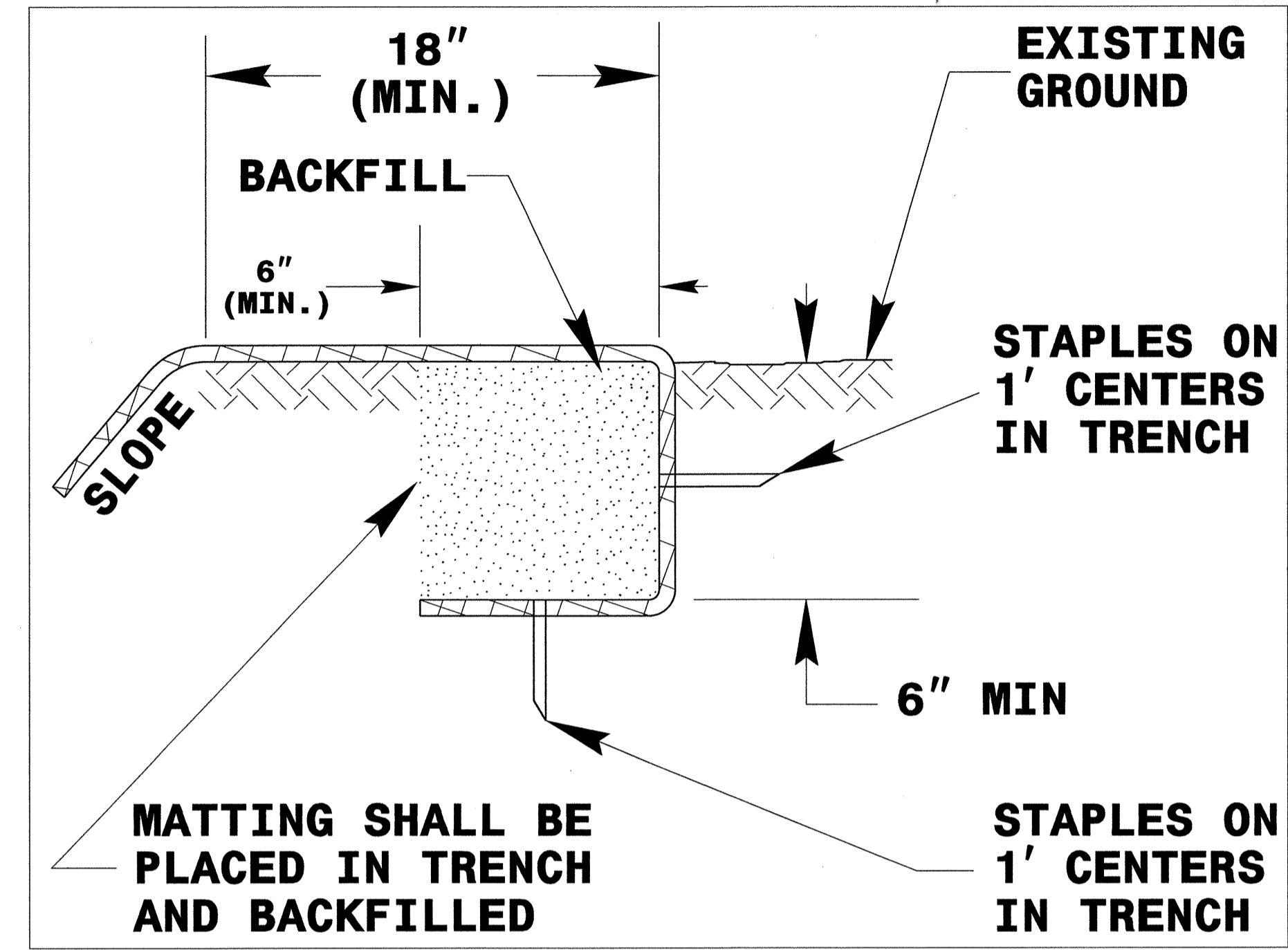
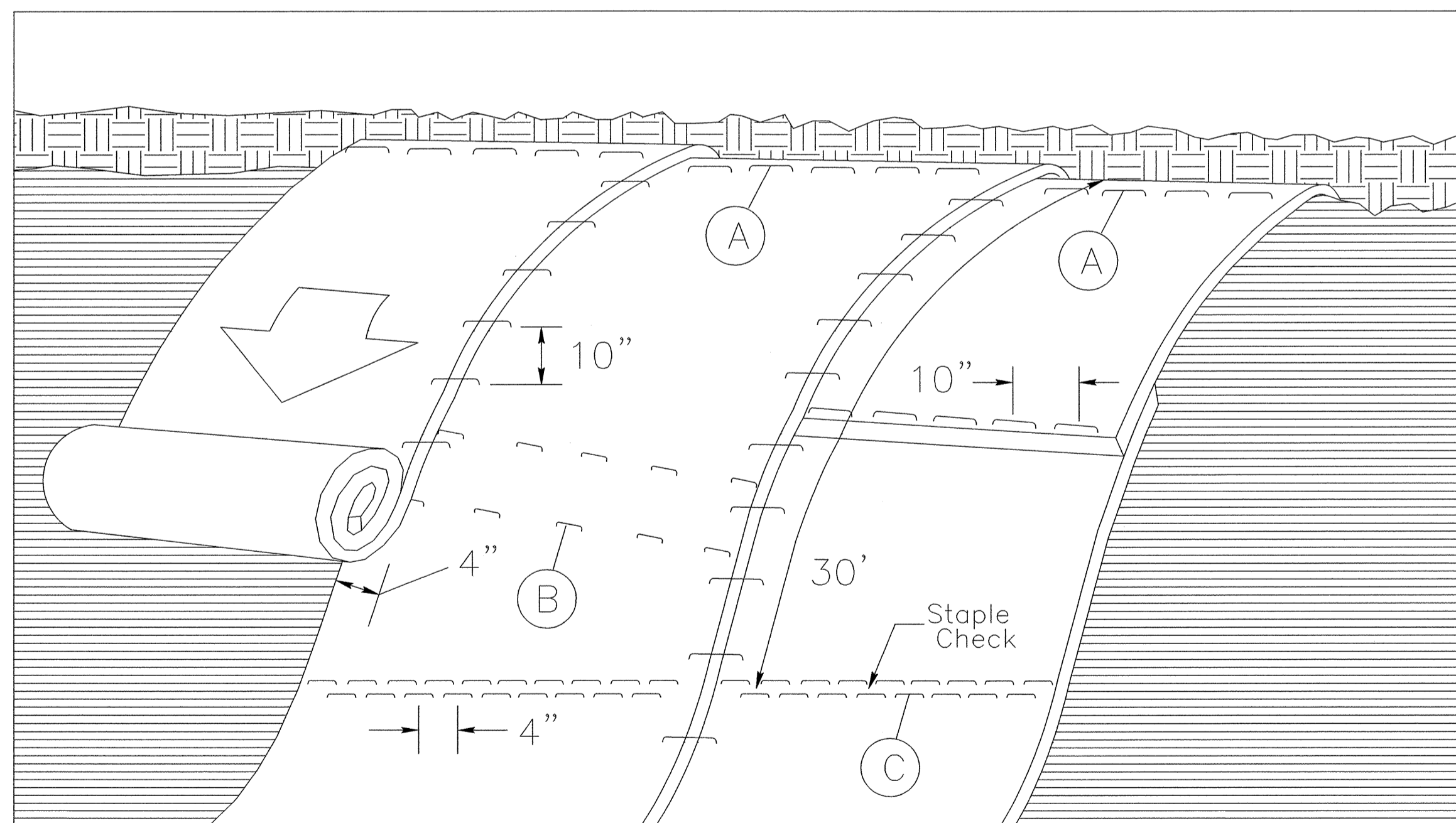


DIAGRAM (A)



MATTING ON SLOPES

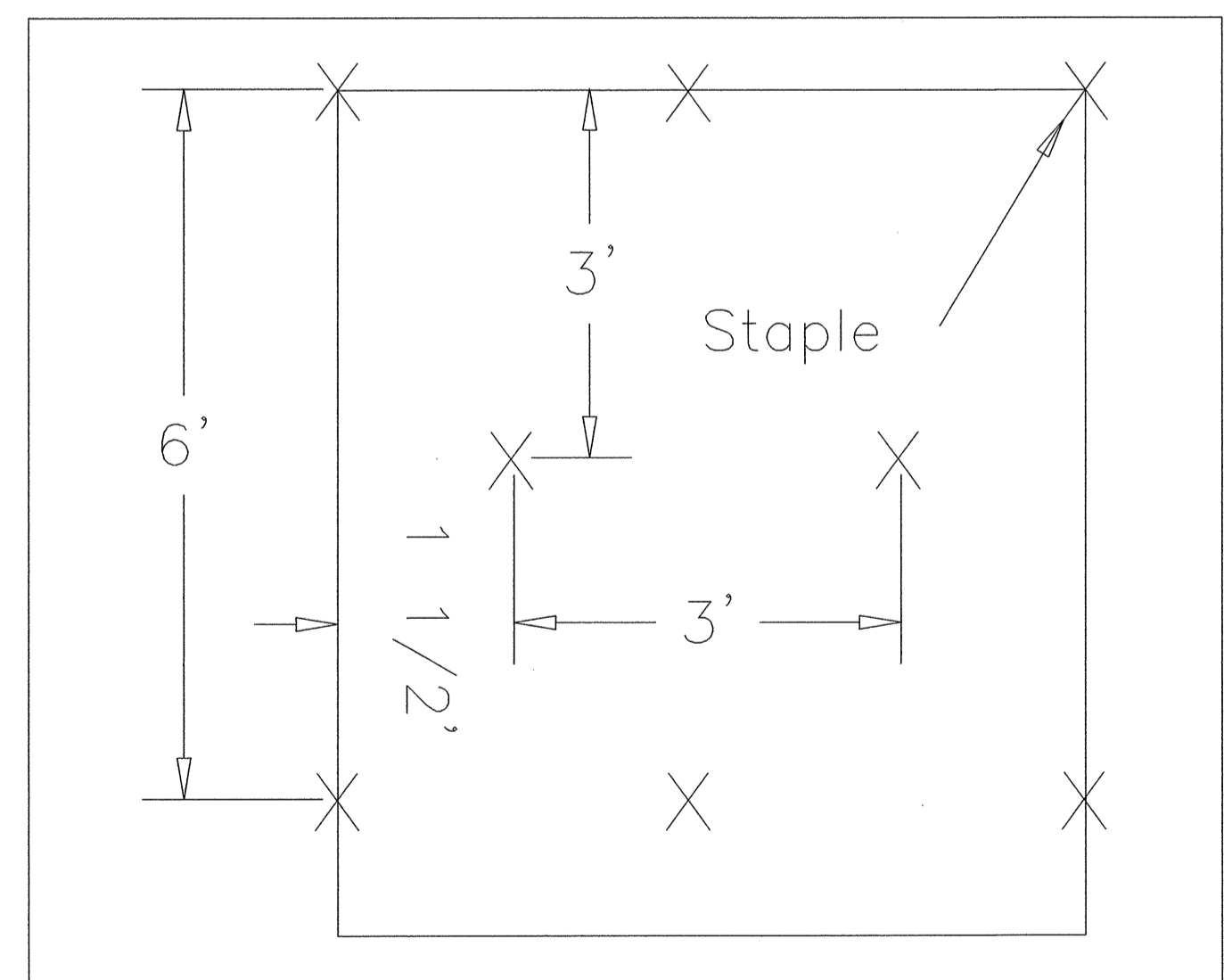


DIAGRAM (B)

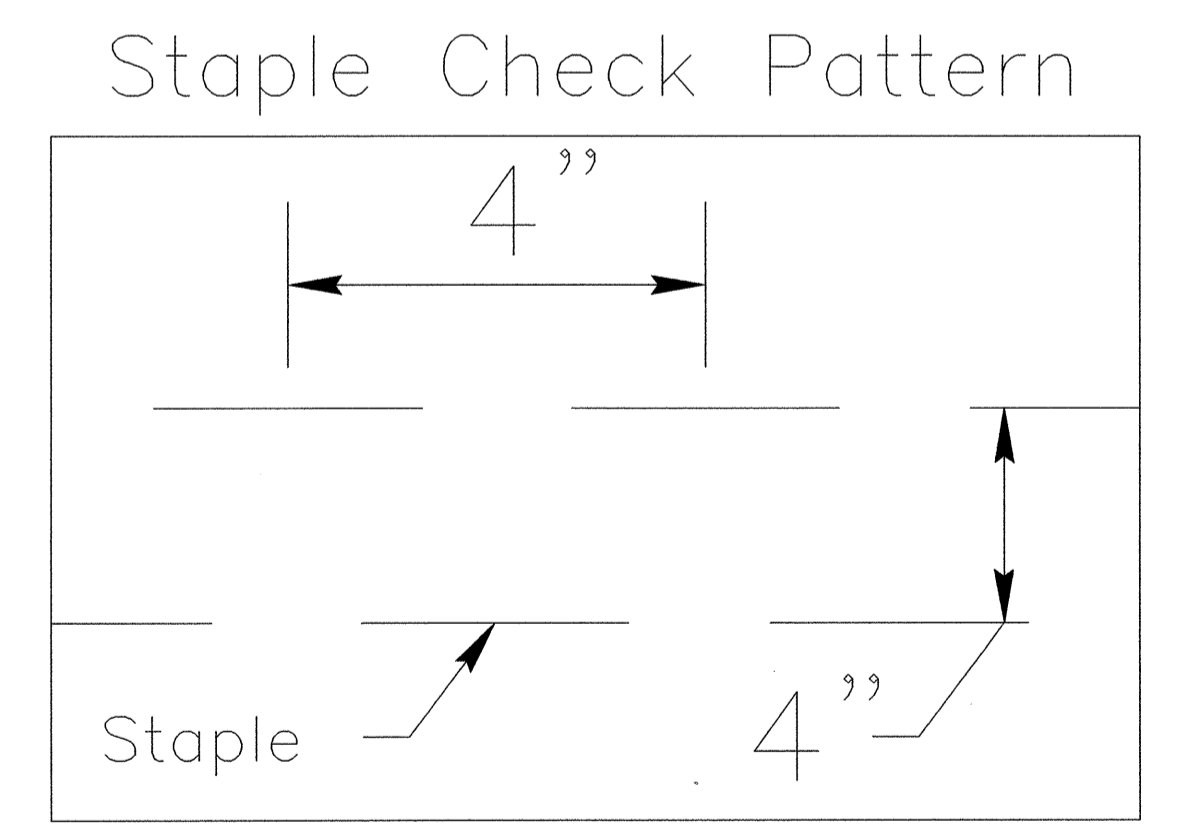


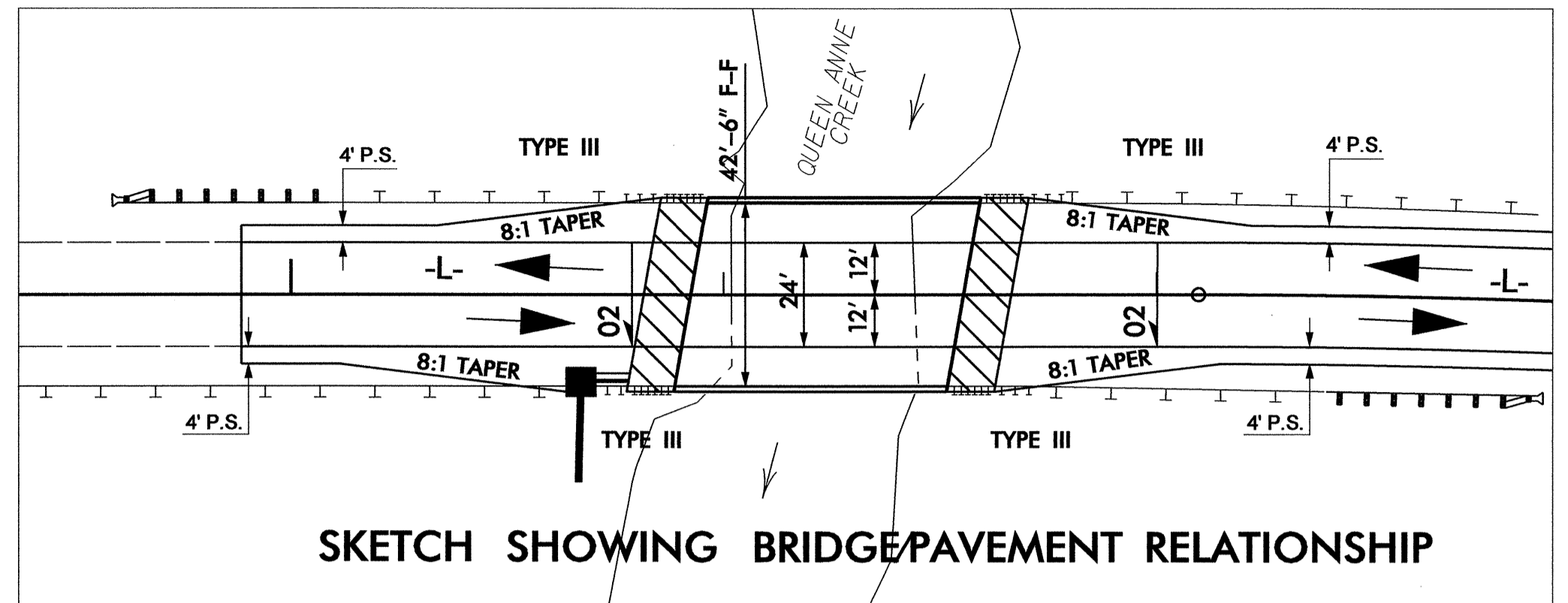
DIAGRAM (C)

NOTES:

THIS DETAIL APPLIES TO STRAW, EXCELSIOR, AND PERMANENT SOIL REINFORCEMENT MAT (PSRM) INSTALLATION.
 STAPLES SHALL BE NO. 11 GAUGE STEEL WIRE FORMED INTO A "U" SHAPE WITH A MINIMUM THROAT WIDTH OF 1 INCH AND NOT LESS THAN 6 INCHES IN LENGTH.

NOT TO SCALE

PROJECT REFERENCE NO. B-4463	SHEET NO. EC-3/CONST.4
RW SHEET NO.	
ROADWAY DESIGN ENGINEER	HYDRAULICS ENGINEER



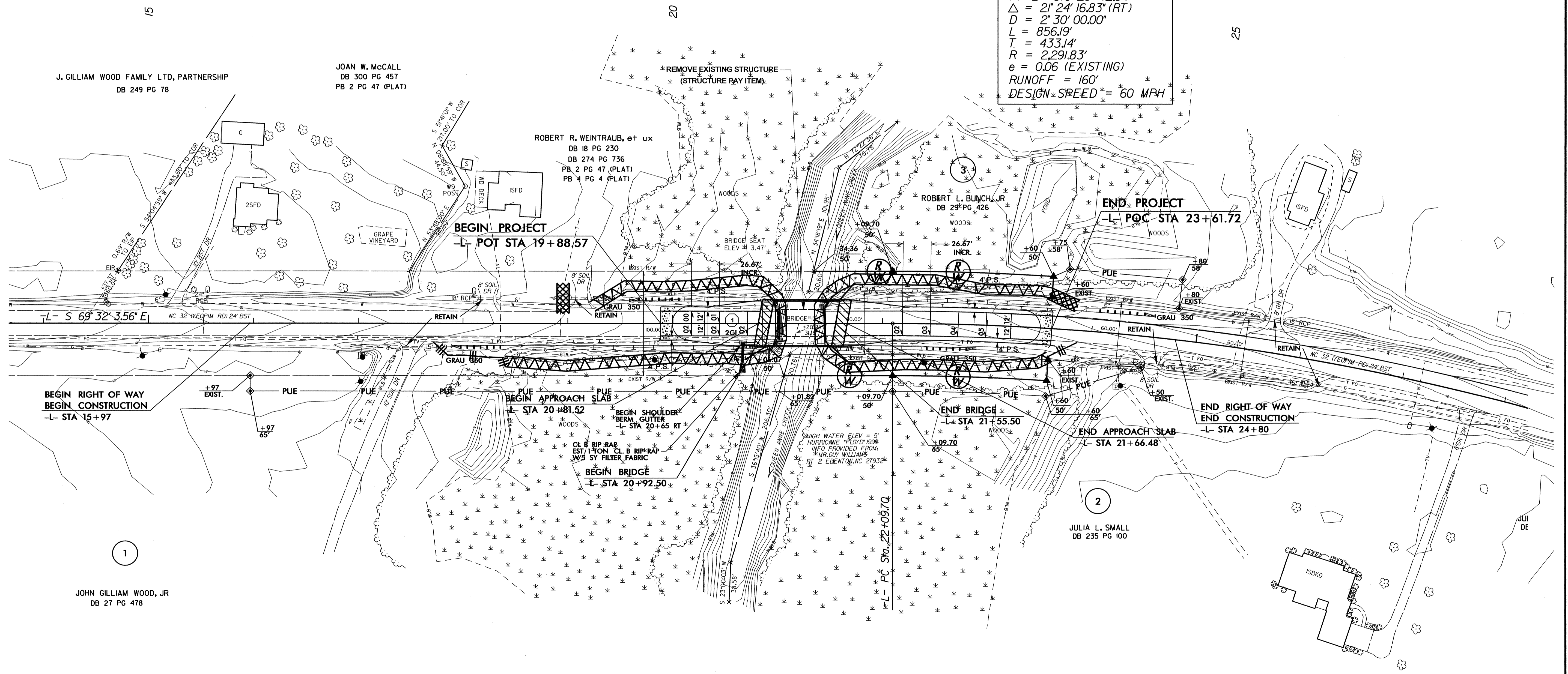
SKETCH SHOWING BRIDGE/PAVEMENT RELATIONSHIP



CLEARING AND GRUBBING
EROSION CONTROL FOR
CONSTRUCTION SHEET 4

NOTE:
PLACE TEMPORARY ROCK SEDIMENT DAMS TYPE - B
AND TEMPORARY ROCK SILT CHECKS TYPE - A AT
DRAINAGE OUTLETS.

-L- CURVE DATA
CURVE 1
PI -L- Sta 26+42.84
 $\Delta = 2^\circ 24' 16.83''$ (RT)
 $D = 2^\circ 30' 00.00''$
 $L = 856.19'$
 $T = 433.14'$
 $R = 2,291.83'$
 $e = 0.06$ (EXISTING)
RUNOFF = 160'
DESIGN SPEED = 60 MPH



15

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J. GILLIAM WOOD FAMILY LTD, PARTNERSHIP
DB 249 PG 78

JOAN W. McCALL
DB 300 PG 457
PB 2 PG 47 (PLAT)

ROBERT R. WEINTRAUB, et ux
DB 18 PG 230
DB 274 PG 736
PB 2 PG 47 (PLAT)
PB 4 PG 4 (PLAT)

ROBERT L. BUNCH, JR.
DB 29 PG 426

JULIA L. SMALL
DB 235 PG 100

BEGIN RIGHT OF WAY
BEGIN CONSTRUCTION
-L- STA 15+97

BEGIN APPROACH SLAB
-L- STA 20+81.52

BEGIN BRIDGE
-L- STA 20+92.50

END BRIDGE
-L- STA 21+55.50

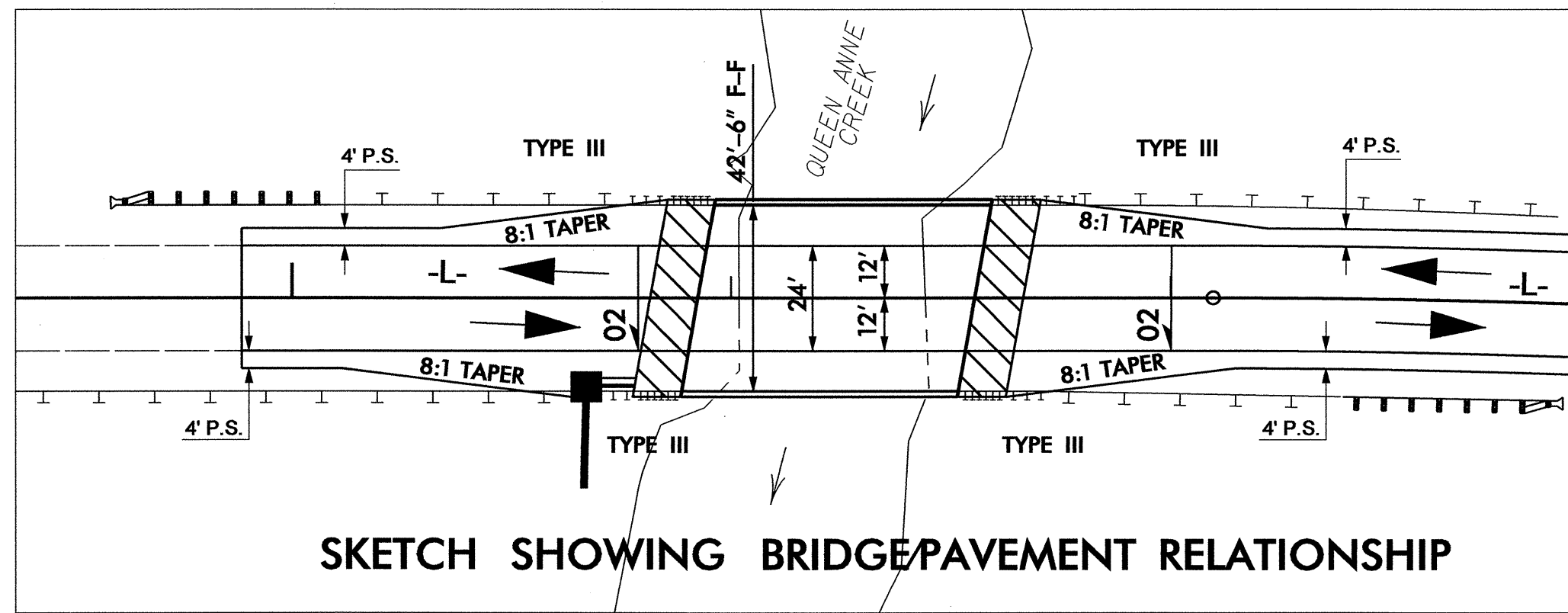
END APPROACH SLAB
-L- STA 21+66.48

END RIGHT OF WAY
END CONSTRUCTION
-L- STA 24+80

JOHN GILLIAM WOOD, JR
DB 27 PG 478

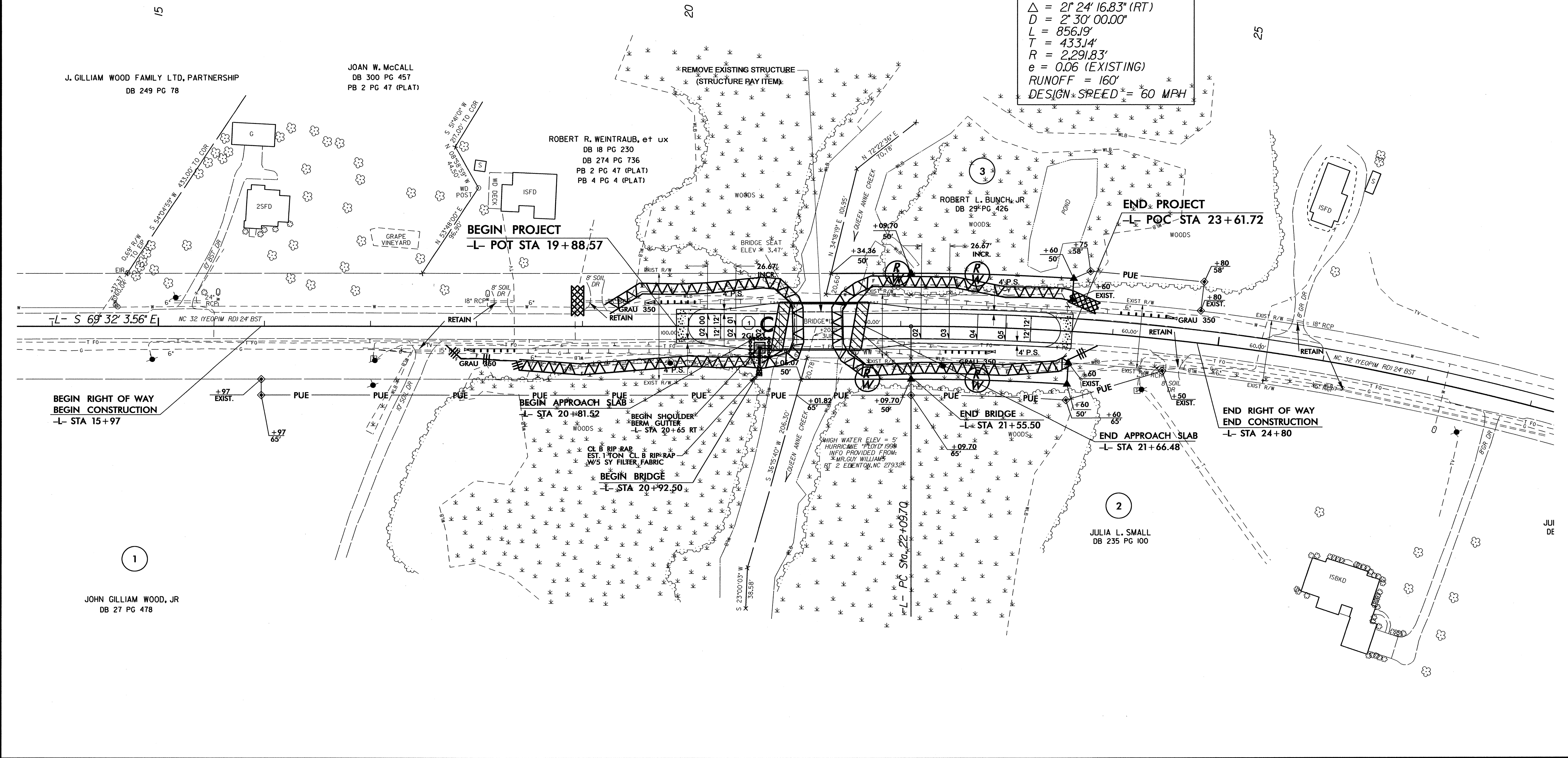
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PROJECT REFERENCE NO. B-4463	SHEET NO. EC-4/CONST.4
RW SHEET NO.	
ROADWAY DESIGN ENGINEER	HYDRAULICS ENGINEER



SKETCH SHOWING BRIDGE/PAVEMENT RELATIONSHIP

-L- CURVE DATA
 CURVE 1
 PI -L- Sta 26+42.84
 $\Delta = 2^\circ 24' 16.83''$ (RT)
 $D = 2^\circ 30' 00.00''$
 $L = 856.19'$
 $T = 433.14'$
 $R = 2,291.83'$
 $e = 0.06$ (EXISTING)
 RUNOFF = 160'
 DESIGN SPEED = 60 MPH



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