

TIP: U-5762

PROJECT: 50175.3.1

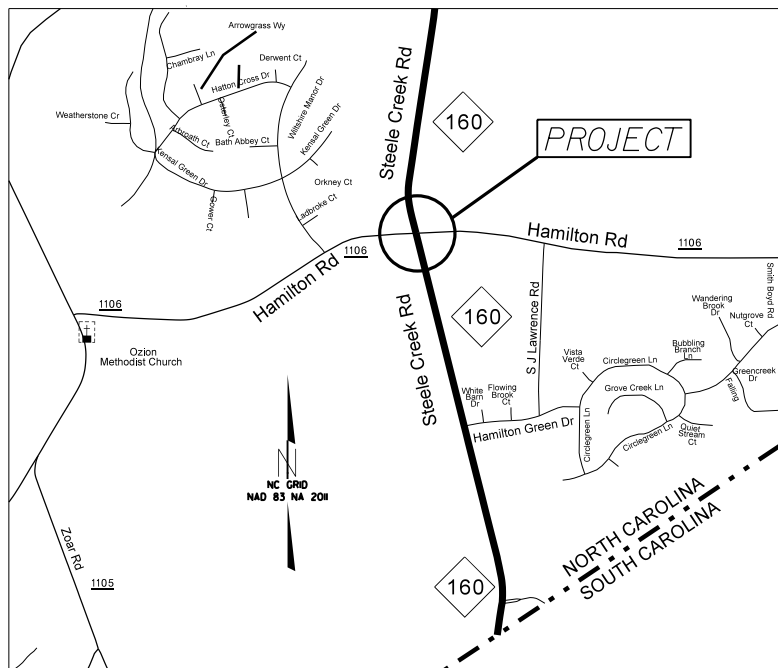
STATE OF NORTH CAROLINA
DIVISION OF HIGHWAYS

MECKLENBURG COUNTY

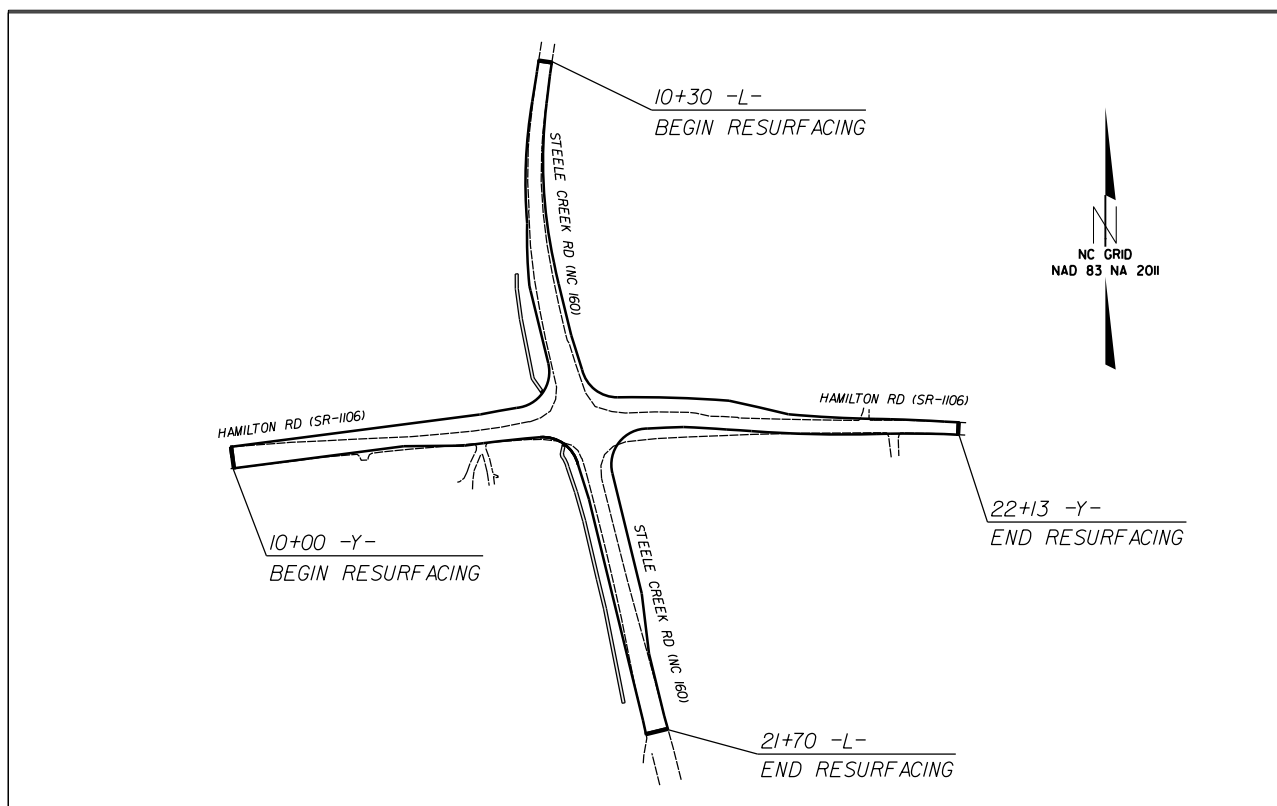
LOCATION: INTERSECTION OF STEELE CREEK RD. (NC 160) AND HAMILTON RD. (SR-1106)

TYPE OF WORK: GRADING, DRAINAGE, PAVING, PAVEMENT REMOVAL, CONCRETE SIDEWALK, AND THERMOPLASTIC PAVEMENT MARKINGS.

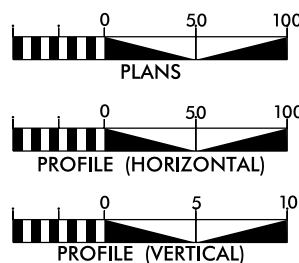
STATE	STATE PROJECT REFERENCE NO.	SHEET NO.	TOTAL SHEETS
N.C.	50175.3.1	1	
STATE PROJ. NO.	P.A. PROJ. NO.	DESCRIPTION	
50175.1.1		P.E.	
50175.2.1		R/W	
50175.3.1		CONST.	



VICINITY MAP NOT TO SCALE



GRAPHIC SCALES



DESIGN DATA

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

PROJECT LENGTH

LENGTH OF ROADWAY PROJECT : 50175.3.1 = 0.45 MILES
TOTAL LENGTH OF STATE PROJECT : 50175.3.1 = 0.45 MILES

Prepared in the Office of:
DIVISION OF HIGHWAYS

DIVISION TEN
DIVISION DESIGN / CONSTRUCT UNIT

RIGHT OF WAY DATE:

DONALD HARWARD
PROJECT ENGINEER

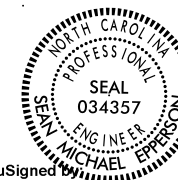
LETTING DATE:

DONALD HARWARD
PROJECT DESIGN ENGINEER

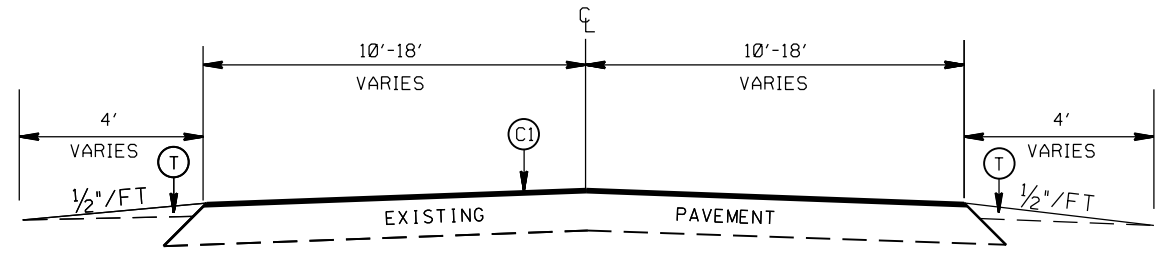
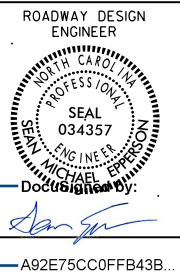
2018 STANDARD SPECIFICATIONS



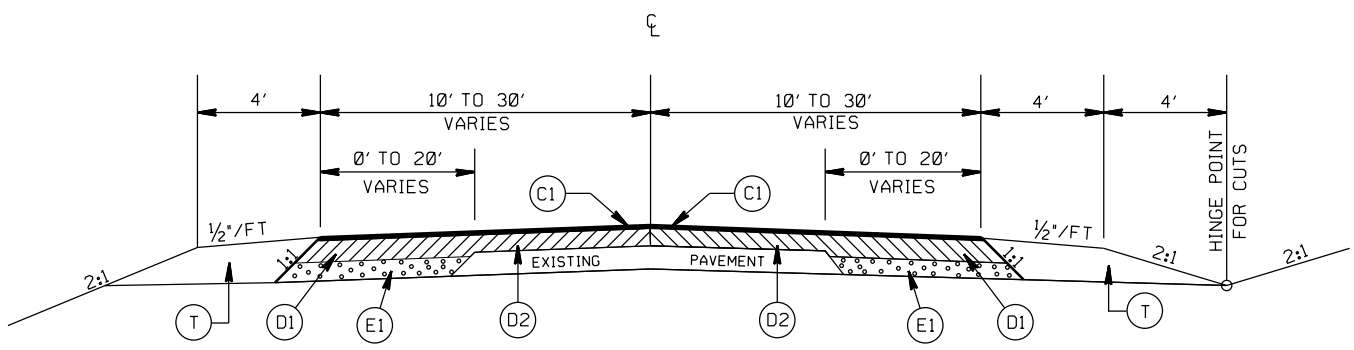
ROADWAY DESIGN ENGINEER



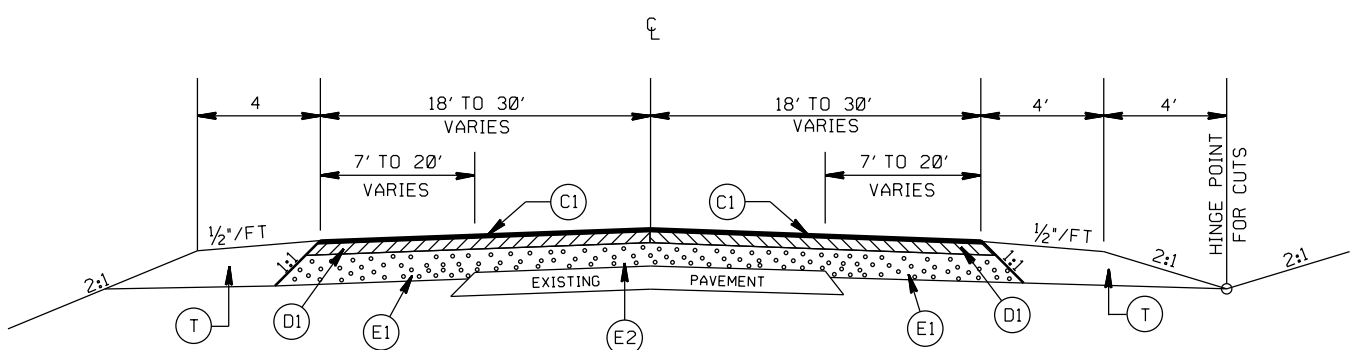
DocuSigned by:
Michael Eperson
A02E75CC0FFB43B...
SIGNATURE



TYPICAL SECTION NO. 1
 STA. 10+30 TO 10+55 -L-
 STA. 21+45 TO 21+70 -L-
 STA. 21+88 TO 22+13 -Y-



TYPICAL SECTION NO. 2
 STA. 10+55 TO 14+50 -L-
 STA. 18+00 TO 21+45 -L-
 STA. 19+37 TO 21+88 -Y-



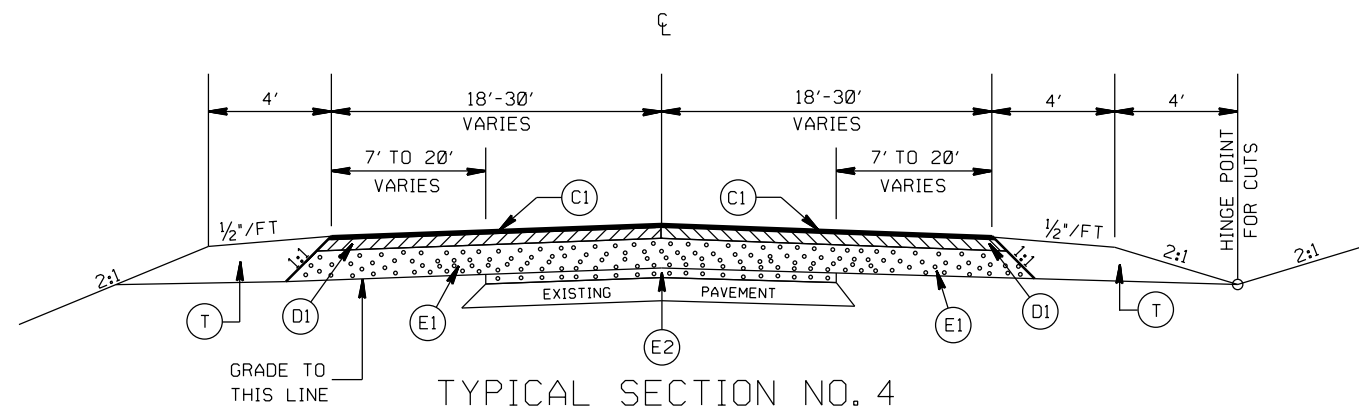
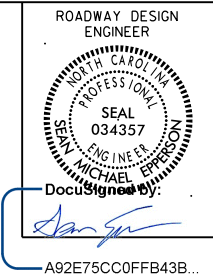
TYPICAL SECTION NO. 3
 STA. 14+50 TO 16+00 -L-
 STA. 17+00 TO 18+00 -L-

PAVEMENT SCHEDULE

(C1)	PROP. APPROX. 1.5" ASPHALT CONC. SURFACE COURSE, TYPE S9.5C, AT AN AVERAGE RATE OF 168 LBS. PER SQ. YD.
(D1)	PROP. APPROX. 2.5" ASPHALT CONC. INTERMEDIATE COURSE, TYPE I19.0C, AT AN AVERAGE RATE OF 285 LBS. PER SQ. YD.
(D2)	PROP. VARIABLE DEPTH ASPHALT CONC. INTERMEDIATE COURSE.
(E1)	PROP. APPROX. 8" ASPHALT CONC. BASE COURSE, TYPE B25.0C, AT AN AVERAGE RATE OF 456 LBS. PER SQ. YD. IN EACH OF TWO LAYERS.
(E2)	PROP. VARIABLE DEPTH ASPHALT CONC. BASE COURSE.
(T)	EARTH MATERIAL

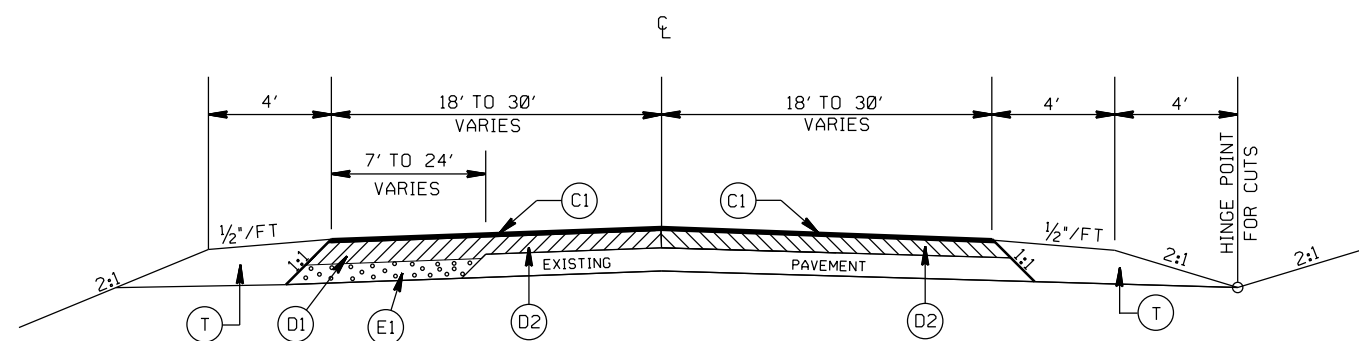
INSTALLING RIGHT AND LEFT TURN LANES
 ON NC 160 AND
 HAMILTON RD. (SR-1106)

SCALE	N/A		REVISIONS
DATE	7-2018		
DWG. BY	JDH		
DESIGN BY	JDH		
APPROVED	JDH		



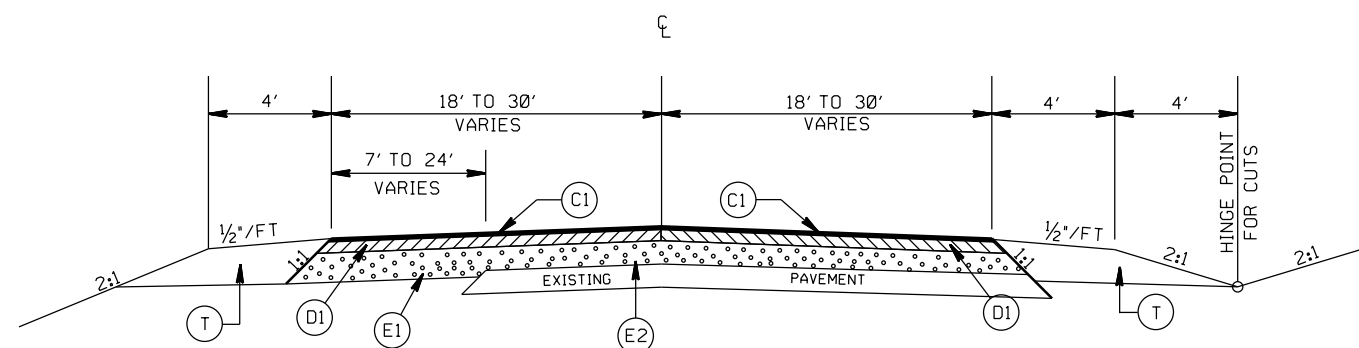
TYPICAL SECTION NO. 4

STA. 16+00 TO 17+00 -L-
 STA. 15+00 TO 16+50 -Y-



TYPICAL SECTION NO. 5

STA. 10+00 TO 11+00 -Y-
 STA. 17+50 TO 19+37 -Y-



TYPICAL SECTION NO. 6

STA. 11+00 TO 12+00 -Y-
 STA. 13+50 TO 15+00 -Y-
 STA. 16+50 TO 17+50 -Y-

PAVEMENT SCHEDULE

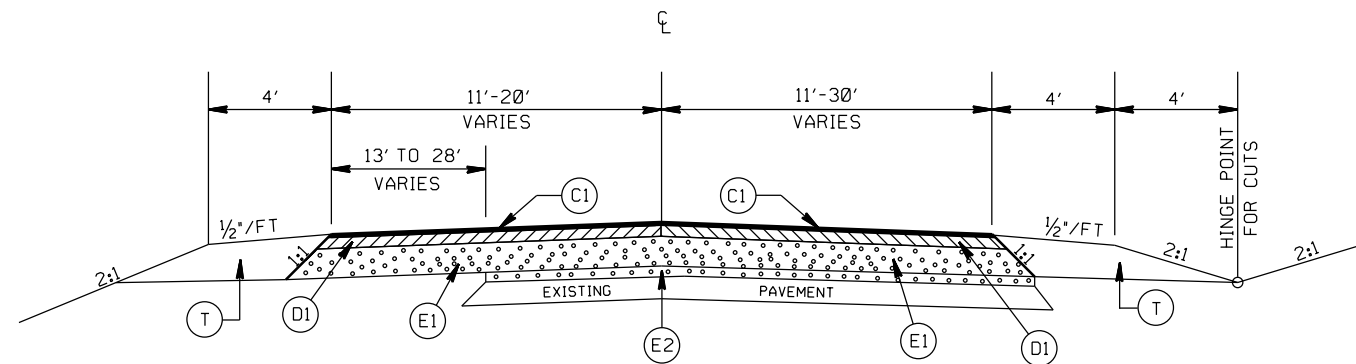
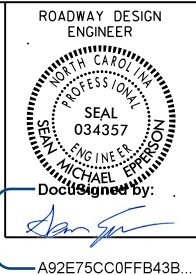
(C1)	PROP. APPROX. 1.5" ASPHALT CONC. SURFACE COURSE, TYPE S9.5C, AT AN AVERAGE RATE OF 168 LBS. PER SQ. YD.
(D1)	PROP. APPROX. 2.5" ASPHALT CONC. INTERMEDIATE COURSE, TYPE I19.0C, AT AN AVERAGE RATE OF 285 LBS. PER SQ. YD.
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(E2)	PROP. VARIABLE DEPTH ASPHALT CONC. BASE COURSE.
(T)	EARTH MATERIAL

INSTALLING RIGHT AND LEFT TURN LANES
 ON NC 160 AND
 HAMILTON RD. (SR-1106)

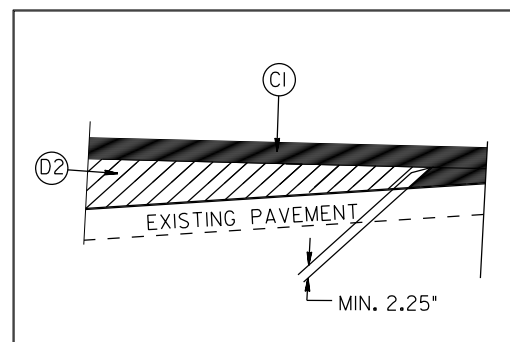
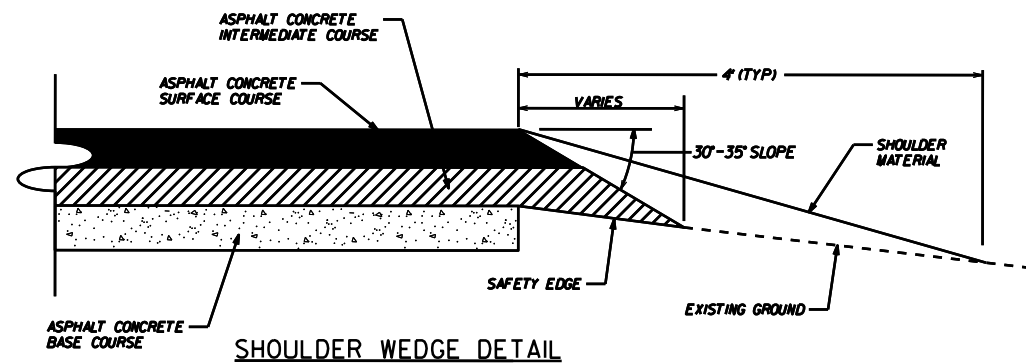
SCALE	N/A
DATE	7-2018
DWG. BY	JDH
DESIGN BY	JDH
APPROVED	JDH



REVISIONS	



TYPICAL SECTION NO. 7
STA. 12+00 TO 13+50 -Y-



WEDGING DETAIL

PAVEMENT SCHEDULE

(C1)	PROP. APPROX. 1.5" ASPHALT CONC. SURFACE COURSE, TYPE S9.5C, AT AN AVERAGE RATE OF 168 LBS. PER SQ. YD.
(D1)	PROP. APPROX. 2.5" ASPHALT CONC. INTERMEDIATE COURSE, TYPE I19.0C, AT AN AVERAGE RATE OF 285 LBS. PER SQ. YD.
(D2)	PROP. VARIABLE DEPTH ASPHALT CONC. INTERMEDIATE COURSE.
(E1)	PROP. APPROX. 8" ASPHALT CONC. BASE COURSE, TYPE B25.0C, AT AN AVERAGE RATE OF 456 LBS. PER SQ. YD. IN EACH OF TWO LAYERS.
(E2)	PROP. VARIABLE DEPTH ASPHALT CONC. BASE COURSE.
(T)	EARTH MATERIAL

INSTALLING RIGHT AND LEFT TURN LANES
ON NC 160 AND
HAMILTON RD. (SR-1106)

SCALE	N/A
DATE	7-2018
DWG. BY	JDH
DESIGN BY	JDH
APPROVED	JDH



REVISIONS

STATE OF NORTH CAROLINA
DIVISION OF HIGHWAYS

NOTE: Invert Elevations are for Bid Purposes only and shall not be used for project construction stakeout.
See "Standard Specifications For Roads and Structures, Section 300-5".

RIGHT OF WAY AREA DATA

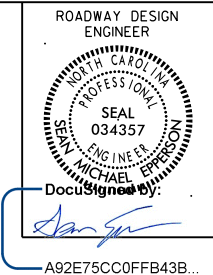
SUMMARY OF QUANTITIES

Table with 15 columns: PARCEL NO., PROPERTY OWNERS NAMES, TOTAL ACREAGE, AREA TAKEN, AREA REMAINING RT., AREA REMAINING LT., TEMP. CONST. EASE, PERM. DRAIN. EASE, PERM. UTILITY EASE, and two SUMMARY columns with sub-columns for DESC. NO., SECT. NO., QUANTITY, UNIT, ITEM DESCRIPTION.

LIST OF PIPES, ENDWALLS, ETC. (FOR PIPES 48" & UNDER)

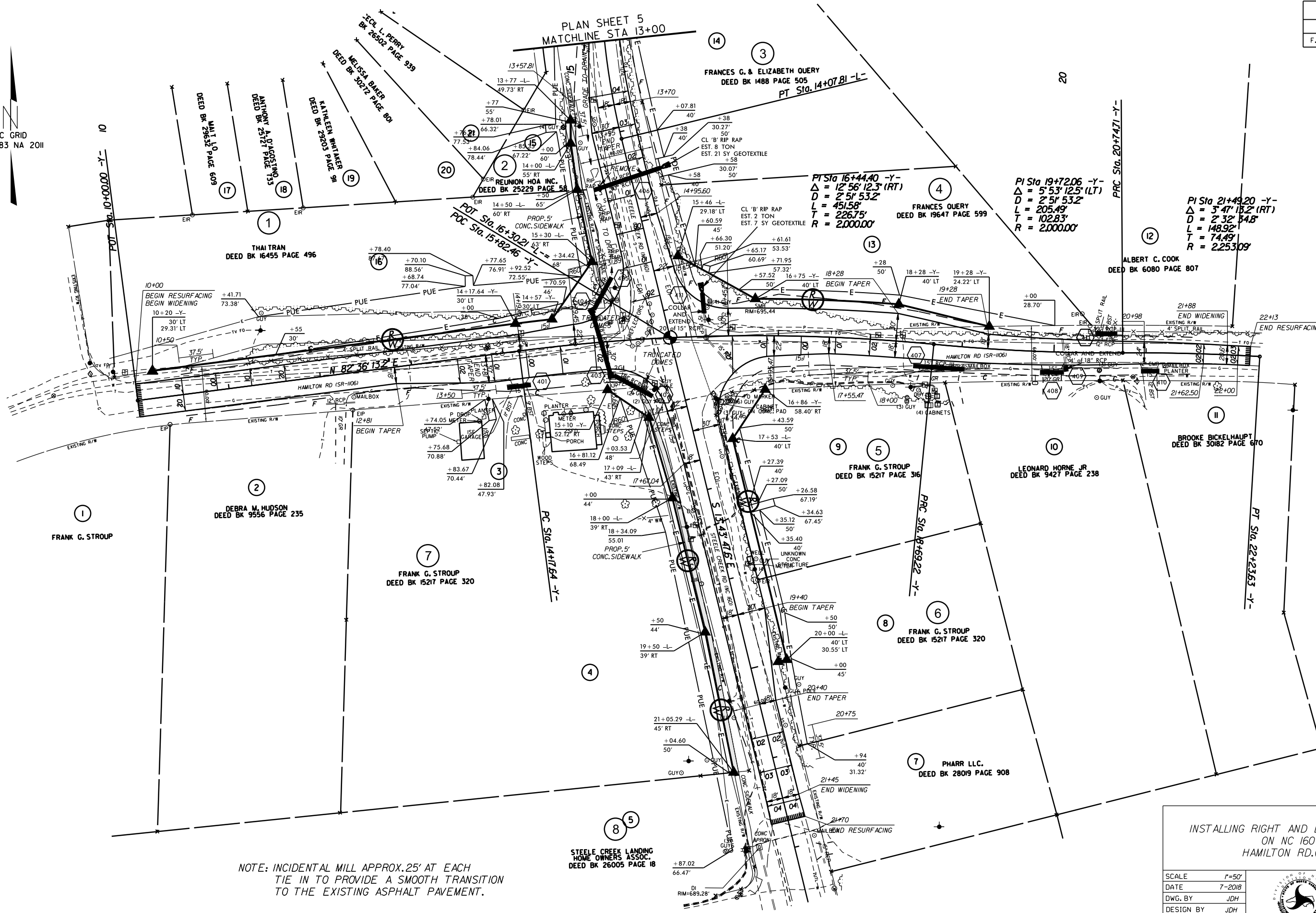
Main table for pipe specifications with columns for STATION, LOCATION, STRUCTURE NO., TOP/INVERT ELEVATION, SLOPE CRITICAL, DRAINAGE PIPE (12-48 inches), C.S. PIPE (12-48 inches), CLASS III R.C. PIPE (12-48 inches), ENDWALLS (STD. 838.01, 838.11, 838.80), QUANTITIES FOR DRAINAGE STRUCTURES (A, B), TYPE OF GRATE (E, F, G), and REMARKS. Includes a table of abbreviations like C.B., N.D.I., D.I., etc.

20-JUL-2008 11:03
S:\OBC\BOY\Meg\enburb\NC160_hamilton\sum\nc160_hamilton_me4_sum.dgn



NC GRID
NAD 83 NA 2011

PLAN SHEET 5
MATCHLINE STA 13+00

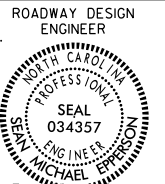


NOTE: INCIDENTAL MILL APPROX. 25' AT EACH TIE IN TO PROVIDE A SMOOTH TRANSITION TO THE EXISTING ASPHALT PAVEMENT.

INSTALLING RIGHT AND LEFT TURN LANES
ON NC 160 AND
HAMILTON RD. (SR-1106)

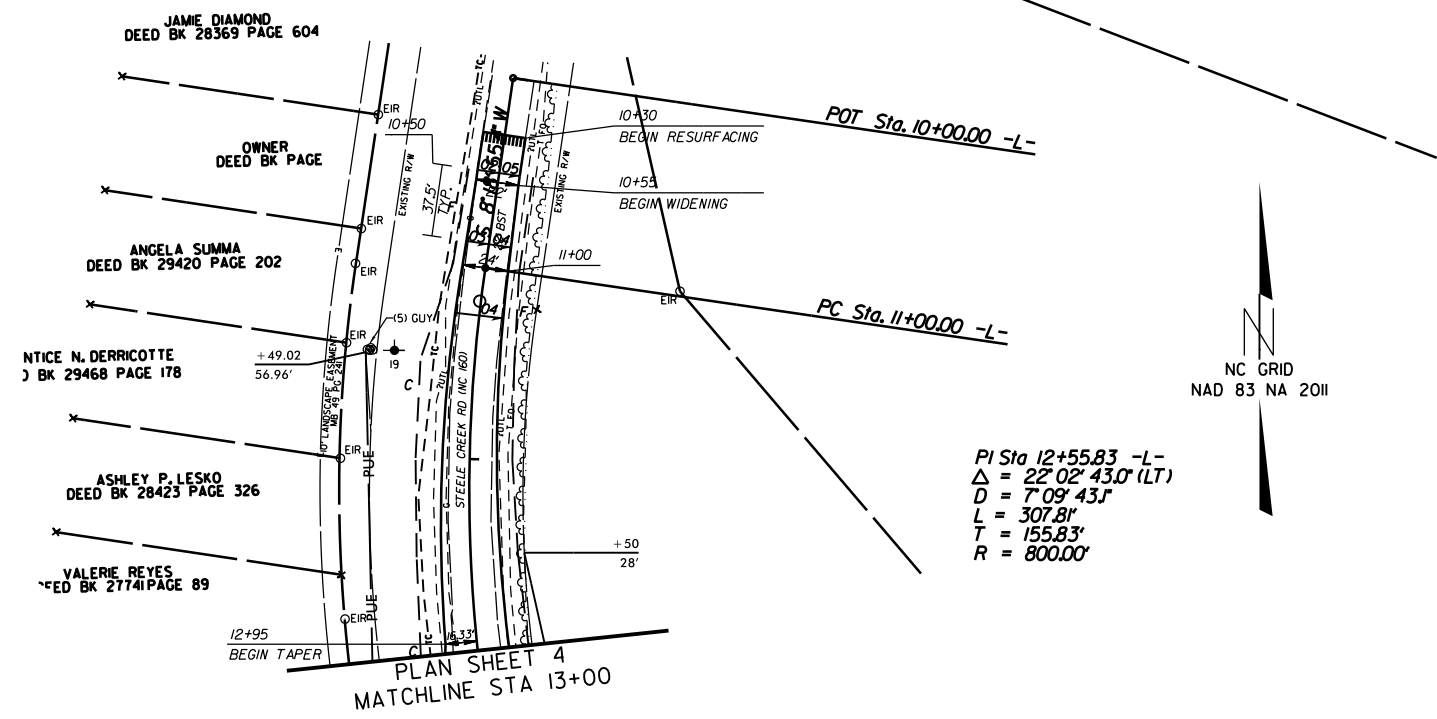
SCALE	1"=50'		REVISIONS
DATE	7-2018		
DWG. BY	JDH		
DESIGN BY	JDH		
APPROVED	JDH		

PROJECT NO.	SHEET NO.
50175.3J	5
F.A. PROJECT NO.	



DocuSign by: *[Signature]*

A92E75CC0FFB43B...



PLAN SHEET 4
MATCHLINE STA 13+00

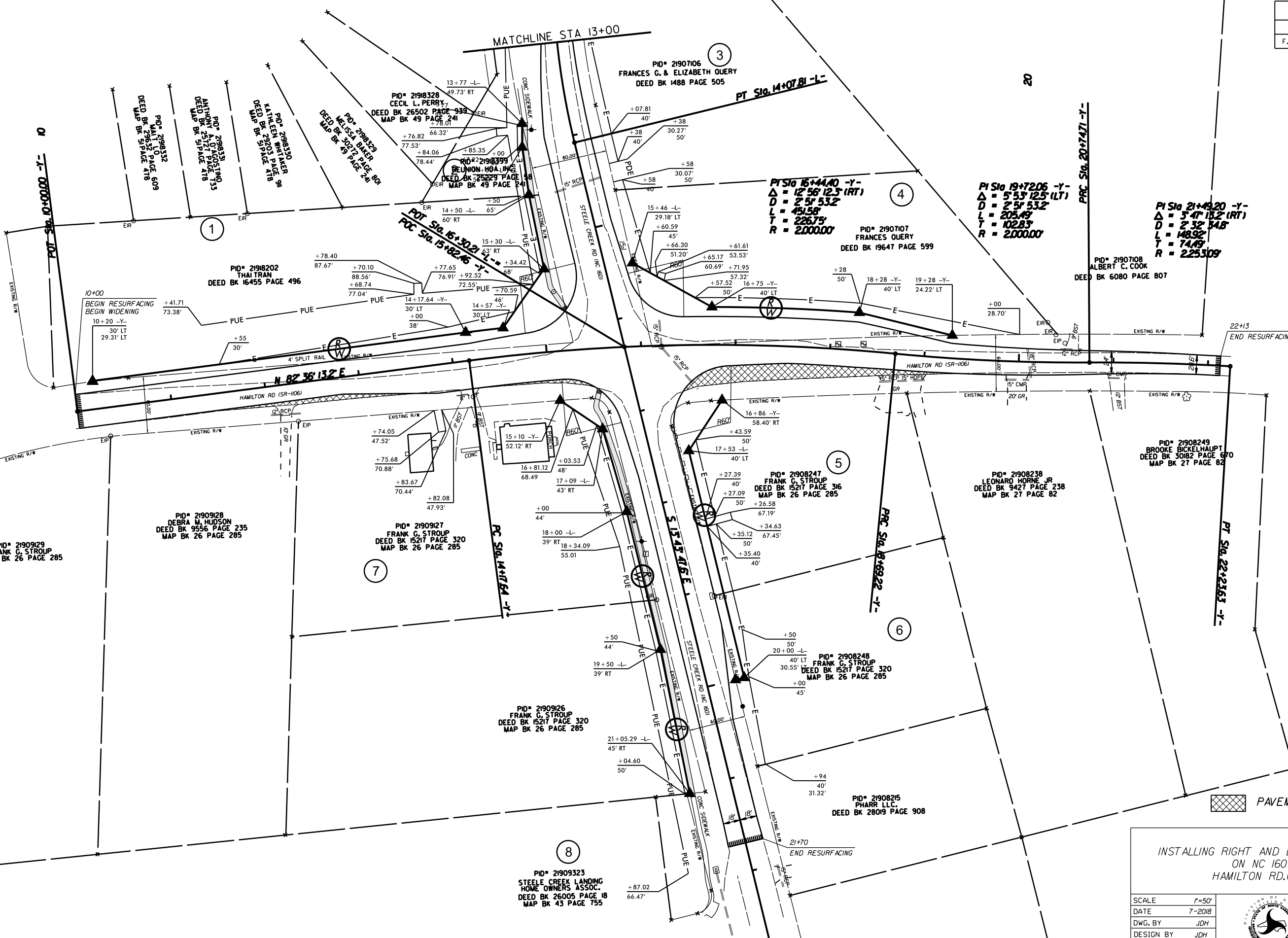
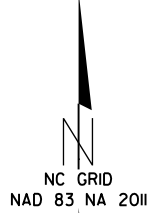
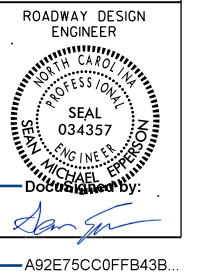
INSTALLING RIGHT AND LEFT TURN LANES
ON NC 160 AND
HAMILTON RD. (SR-1106)

NOTE: INCIDENTAL MILL APPROX. 25' AT EACH
TIE IN TO PROVIDE A SMOOTH TRANSITION
TO THE EXISTING ASPHALT PAVEMENT.

SCALE	1"=50'
DATE	7/2018
DWG. BY	JDH
DESIGN BY	JDH
APPROVED	JDH



REVISIONS	



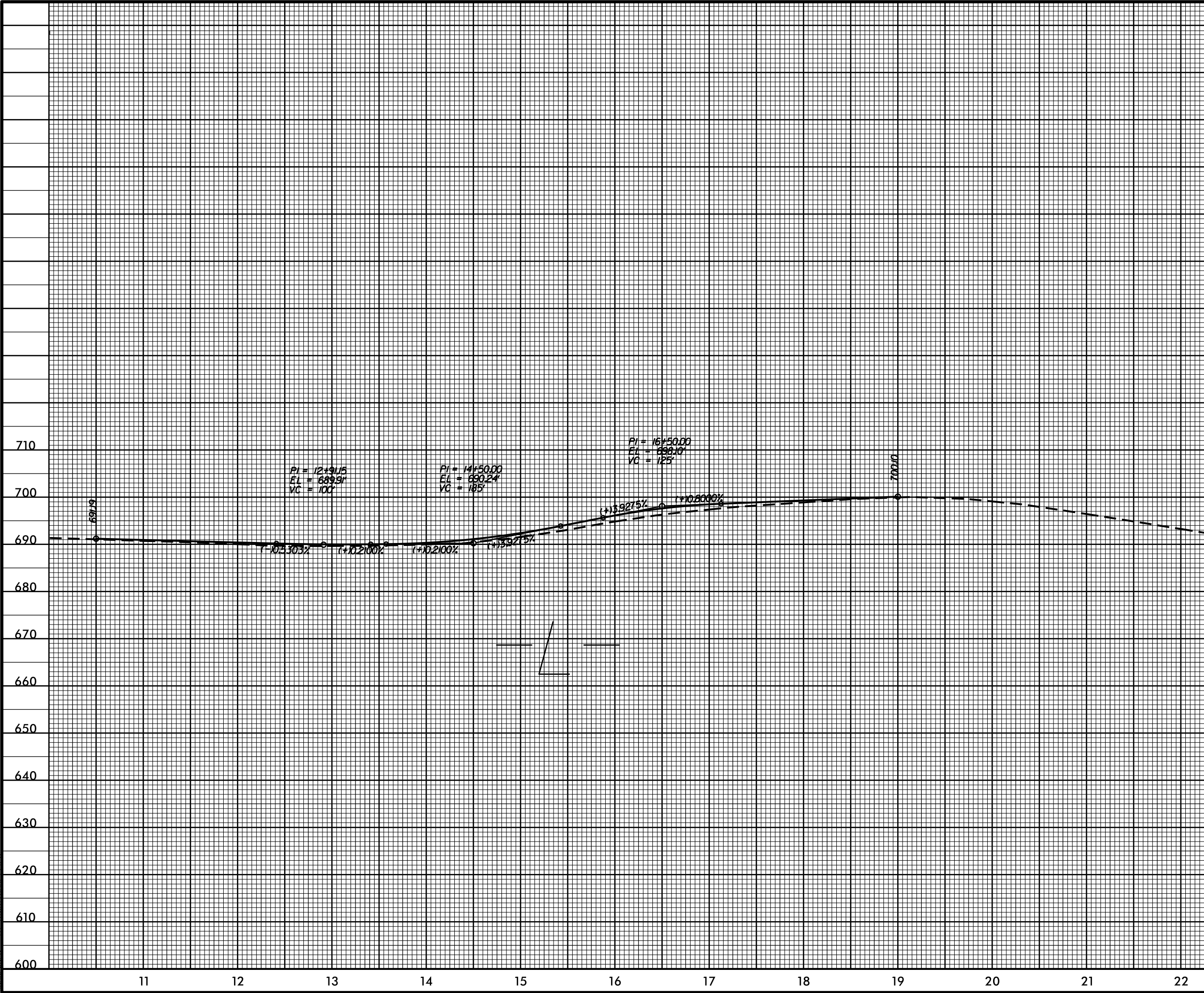
PAVEMENT REMOVAL

INSTALLING RIGHT AND LEFT TURN LANES
ON NC 160 AND
HAMILTON RD.(SR-1106)

SCALE	1"=50'		REVISIONS
DATE	7-2018		
DWG. BY	JDH		
DESIGN BY	JDH		
APPROVED	JDH		

5/14/99

S:\20-JUL-2018 13:10
S:\DB\200Y\Mech\Lebanburg\NC150_Hamilton\PROF\nc150_hamilton_me4_pf1_L.dgn
c:\program files\autodesk\acad2004\lib\acad2004



697.9
710
700
690
680
670
660
650
640
630
620
610
600
11 12 13 14 15 16 17 18 19 20 21 22

$PI = 12+91.15$
 $EL = 689.91$
 $VC = 100'$

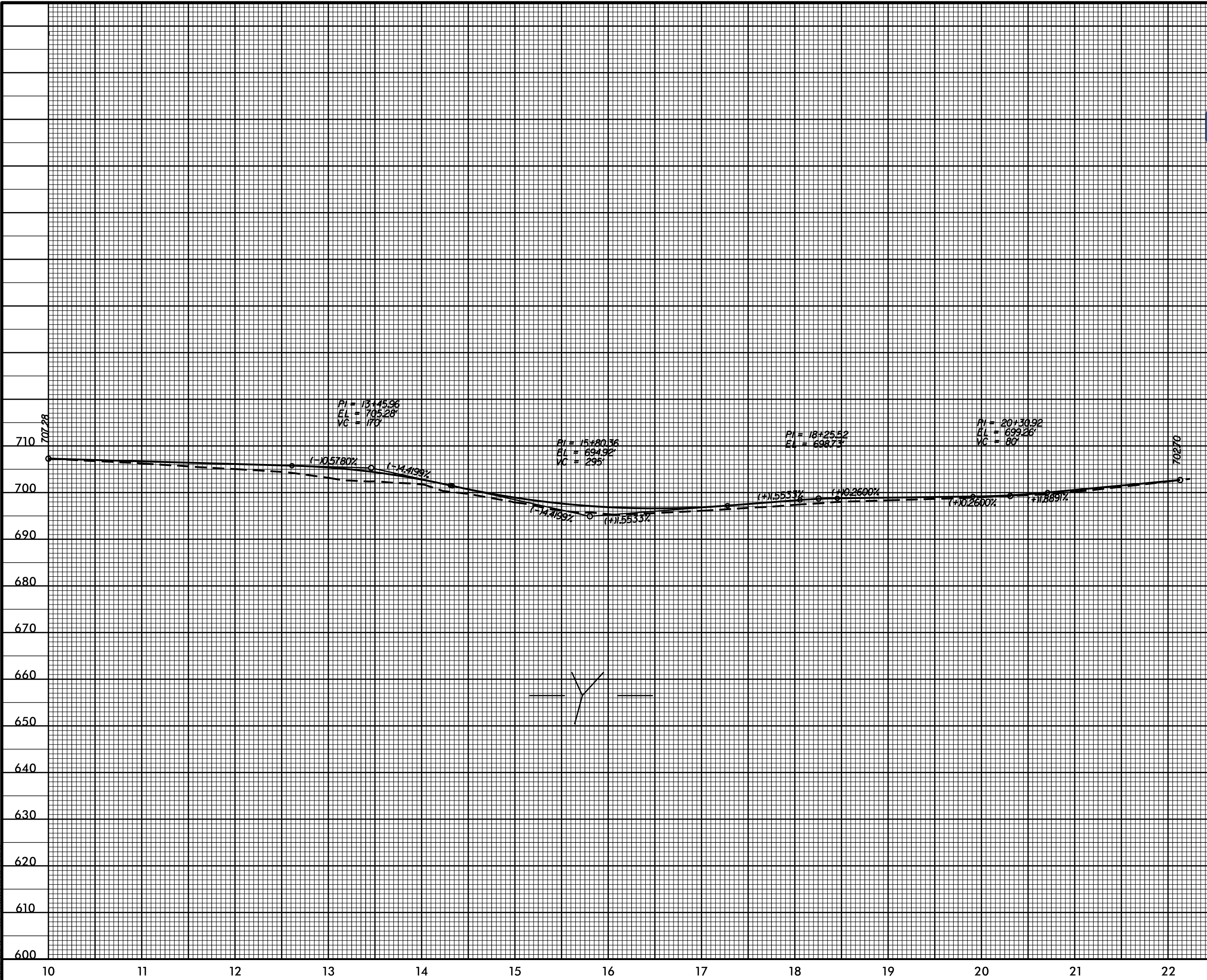
$PI = 14+50.00$
 $EL = 690.24$
 $VC = 185'$

$PI = 16+50.00$
 $EL = 698.10$
 $VC = 125'$

-0.303% +0.2100% +0.2100% +0.2100% +0.5215% +0.6000%

5/14/99

PROJECT REFERENCE NO. 5075.3J	SHEET NO. 8
ROADWAY DESIGN ENGINEER	HYDRAULICS ENGINEER
DOCUMENTED BY: <i>[Signature]</i>	
DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED	



20-JUL-2008 13:13
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 10/11/12/21/26

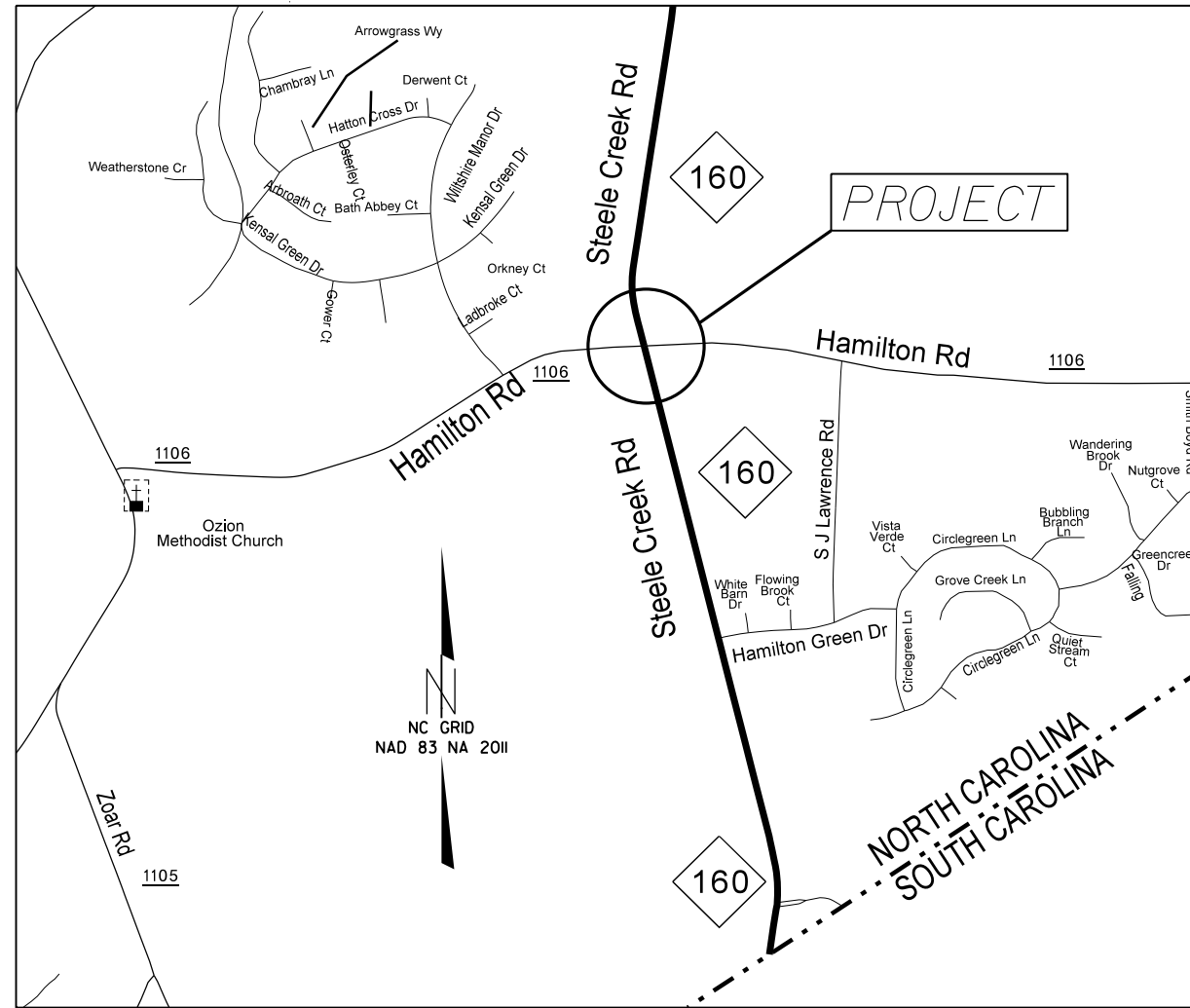
TIP PROJECT: U-5762

STATE OF NORTH CAROLINA
DIVISION OF HIGHWAYS
**PLAN FOR PROPOSED
HIGHWAY EROSION CONTROL**

STATE	STATE PROJECT REFERENCE NO.	SHEET NO.	TOTAL SHEETS
N.C.	U-5762	EC-1	
STATE PROJ. NO.	F.A. PROJ. NO.	DESCRIPTION	

EROSION AND SEDIMENT CONTROL MEASURES

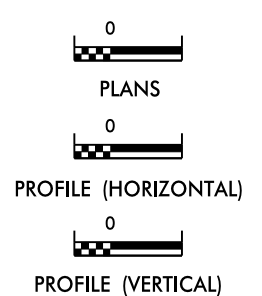
Std. #	Description	Symbol
1630.05	Temporary Silt Ditch	---TD---
1630.05	Temporary Diversion	---TD---
1605.01	Temporary Silt Fence	---III---III---III---
1606.01	Special Sediment Control Fence	---X---X---X---
1622.01	Temporary Berms and Slope Drains	---T---
1630.02	Silt Basin Type B	---S---
1633.01	Temporary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



VICINITY MAP NOT TO SCALE

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

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:
DDC UNIT DIVISION 10
DEPARTMENT OF TRANSPORTATION
DIVISION OF HIGHWAYS
2018 STANDARD SPECIFICATIONS

Designed by:
DONALD HARWARD **3028**
NAME LEVEL III CERTIFICATION NO.

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 2018 and the latest revision thereto are applicable to this project and by reference hereby are considered a part of these plans.

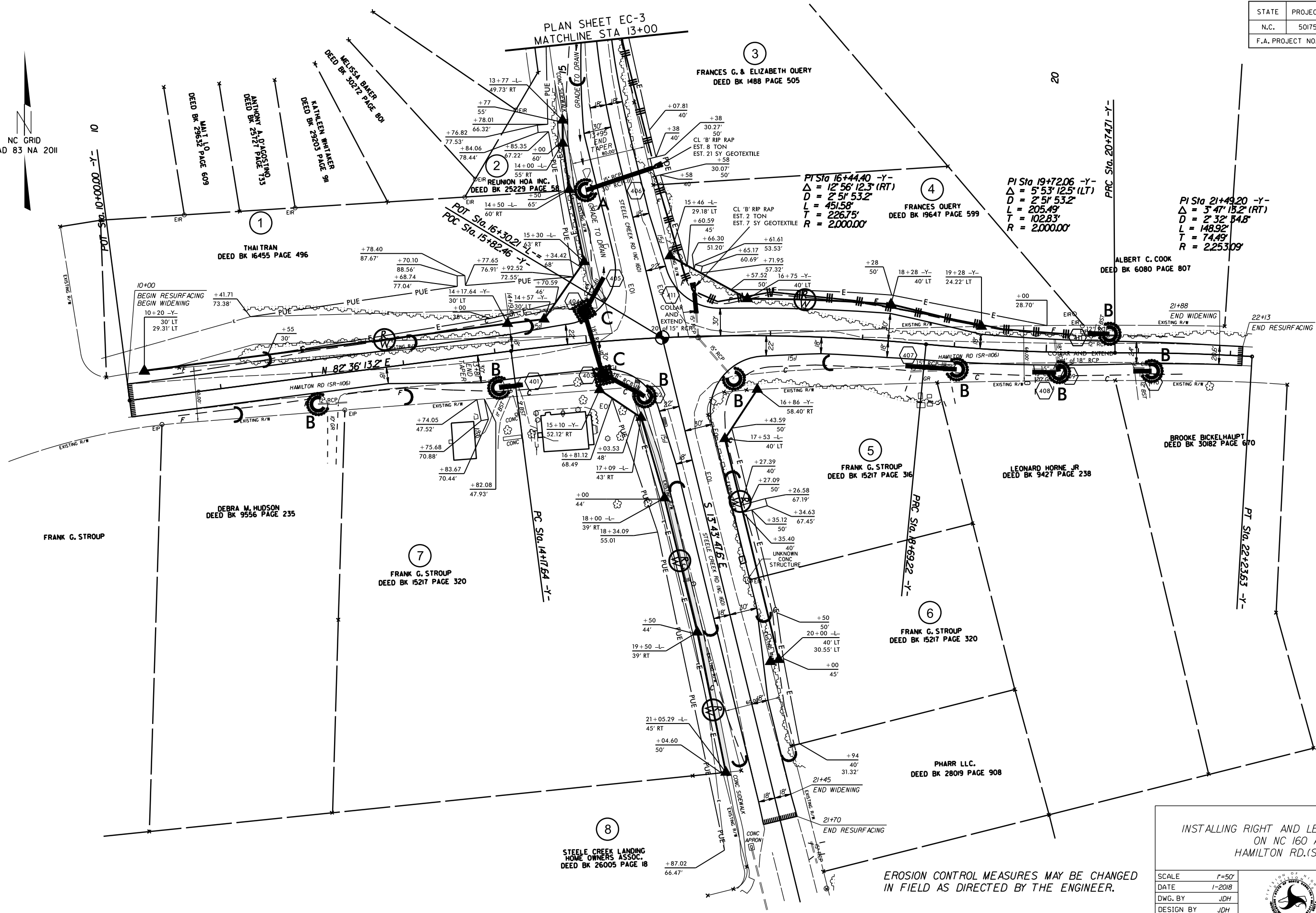
1604.01 Railroad Erosion Control Detail	1632.01 Rock Inlet Sediment Trap Type A
1605.01 Temporary Silt Fence	1632.02 Rock Inlet Sediment Trap Type B
1606.01 Special Sediment Control Fence	1632.03 Rock Inlet Sediment Trap Type C
1607.01 Gravel Construction Entrance	1633.01 Temporary Rock Silt Check Type A
1622.01 Temporary Berms and Slope Drains	1633.02 Temporary Rock Silt Check Type B
1630.01 Riser Basin	1633.03 Temporary Rock Silt Check Type C
1630.02 Silt Basin Type 3	1634.01 Temporary Rock Sediment Dam Type A
1630.03 Temporary Silt Ditch	1634.02 Temporary Rock Sediment Dam Type B
1630.04 Stilling Basin	1635.01 Rock Pipe Inlet Sediment Trap Type A
1630.05 Temporary Diversion	1635.02 Rock Pipe Inlet Sediment Trap Type B
1630.06 Special Stilling Basin	1640.01 Coir Fiber Jaffle
1631.01 Matting Installation	1645.01 Temporary Stream Crossing

I:\projects\2018\1456\19.nc\1606_01.ec\1606_hamilton_erosion_title.dwg

STATE	PROJECT NO.	SHEET NO.	TOTAL SHEETS
N.C.	50175.3.1	EC-2	
F.A. PROJECT NO.			



PLAN SHEET EC-3
MATCHLINE STA 13+00



INSTALLING RIGHT AND LEFT TURN LANES
ON NC 160 AND
HAMILTON RD.(SR-1106)

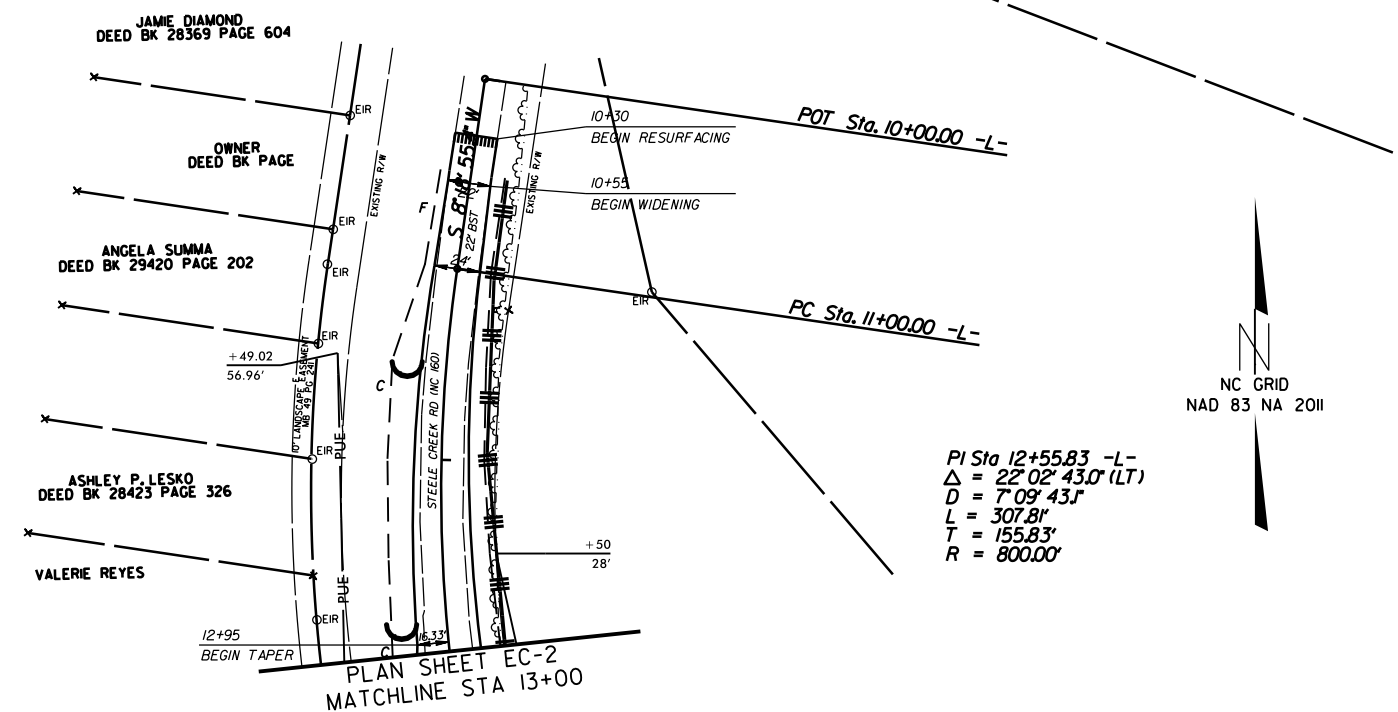
SCALE	1"=50'
DATE	1-2018
DWG. BY	JDH
DESIGN BY	JDH
APPROVED	JDH

REVISIONS

EROSION CONTROL MEASURES MAY BE CHANGED
IN FIELD AS DIRECTED BY THE ENGINEER.



STATE	PROJECT NO.	SHEET NO.	TOTAL SHEETS
N.C.	50175.3.1	EC-3	
F.A. PROJECT NO.			



PLAN SHEET EC-2
MATCHLINE STA 13+00

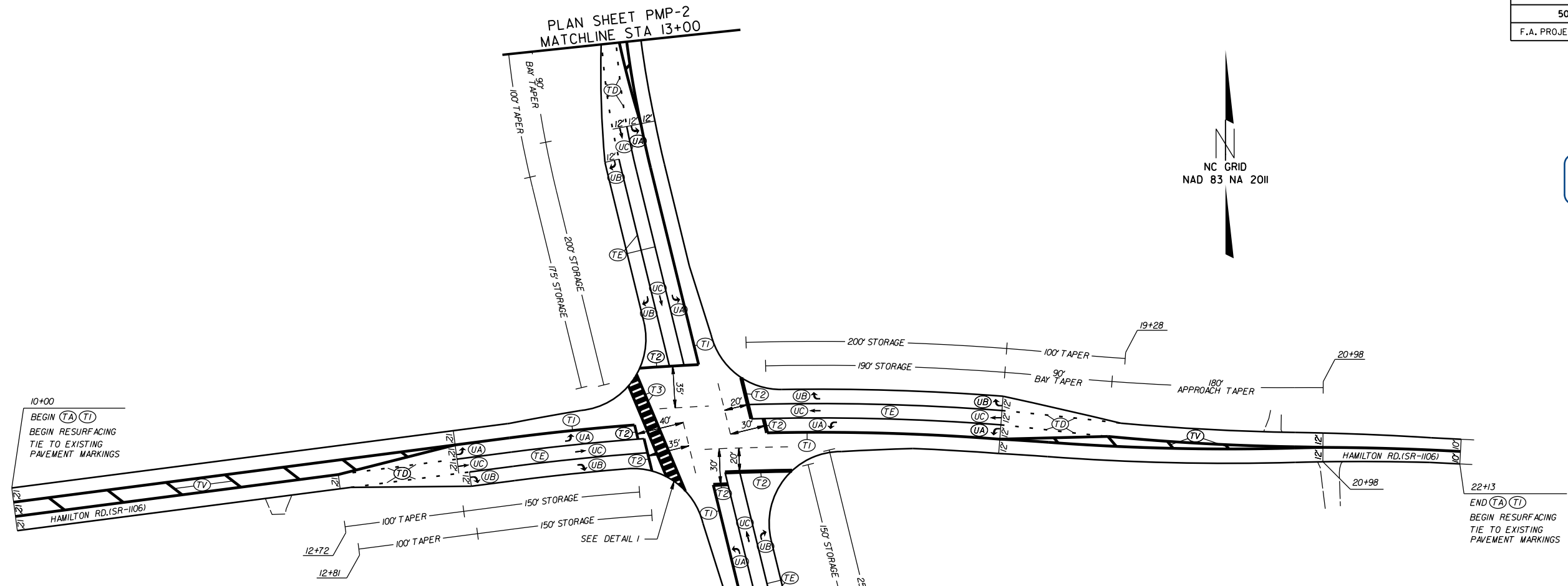
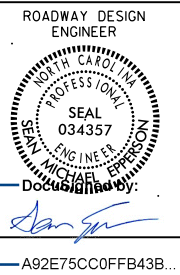
EROSION CONTROL MEASURES MAY BE CHANGED
IN FIELD AS DIRECTED BY THE ENGINEER.

INSTALLING RIGHT AND LEFT TURN LANES
ON NC 160 AND
HAMILTON RD.(SR-1106)

SCALE	1"=50'
DATE	1/2018
DWG. BY	JDH
DESIGN BY	JDH
APPROVED	JDH



REVISIONS	



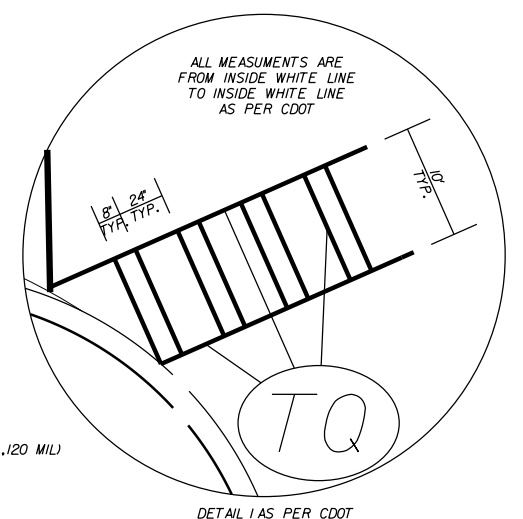
PAVEMENT MARKING SCHEDULE

PAVEMENT MARKING LINES

- | | |
|--|---|
| TA - WHITE EDGELINE (4',.90 MIL) | TU - WHITE DIAGONAL (12',.90 MIL) |
| TB - YELLOW EDGELINE (4',.90 MIL) | TV - YELLOW DIAGONAL (12',.90 MIL) |
| TC - 10FT. WHITE SKIP (4',.120 MIL) | T1 - WHITE LINE, RR X (16',.120 MIL) |
| TD - 3FT.-9FT./SP WHITE MINISKIP (4',.120 MIL) | T2 - WHITE STOPBAR (24',.120 MIL) |
| TE - WHITE SOLID LANE LINE (4',.120 MIL) | T3 - WHITE CROSSWALK LINE (24',.120 MIL) |
| TF - 10FT. YELLOW SKIP (4',.120 MIL) | T4 - WHITE RUMBLE STRIP (4',.240 MIL) |
| TH - YELLOW SINGLE CENTER (4',.120 MIL) | T5 - YELLOW RUMBLE STRIP (4',.240 MIL) |
| TI - YELLOW DOUBLE CENTER (4',.120 MIL) | T6 - WHITE EDGELINE (6',.90 MIL) |
| TJ - 10FT. WHITE SKIP (6',.120 MIL) | T7 - YELLOW EDGELINE (6',.90 MIL) |
| TK - 3FT.-9FT./SP WHITE MINISKIP (6',.120 MIL) | T8 - 2FT.-6FT./SP WHITE MINISKIP (4',.120 MIL) |
| TL - WHITE SOLID LANE LINE (6',.120 MIL) | T9 - 2FT.-6FT./SP YELLOW MINISKIP (4',.120 MIL) |
| TM - 10FT. YELLOW SKIP (6',.120 MIL) | T10 - 3FT.-3FT./SP WHITE MINISKIP (12',.120 MIL) |
| TN - WHITE GORELINE (8',.90 MIL) | T11 - 2FT.-6FT./SP WHITE MINISKIP (6',.120 MIL) |
| TO - WHITE DIAGONAL (8',.90 MIL) | T12 - 2FT.-6FT./SP YELLOW MINISKIP (6',.120 MIL) |
| TP - YELLOW DIAGONAL (8',.90 MIL) | T13 - 3FT.-9FT./SP WHITE MINISKIP (8',.120 MIL) |
| TQ - WHITE CROSSWALK LINE (8',.120 MIL) | T14 - 3FT.-9FT./SP WHITE MINISKIP (12',.120 MIL) |
| TR - WHITE SOLID LANE LINE (8',.120 MIL) | T15 - YELLOW SINGLE CENTER (6',.120 MIL) |
| TS - WHITE GORELINE (12',.90 MIL) | T16 - YELLOW DOUBLE CENTER (6',.120 MIL) |
| TT - WHITE SOLID LANE LINE (12',.120 MIL) | T17 - 3FT.-3FT./SP WHITE MINISKIP ENTRANCE LINE (8',.120 MIL) |

PAVEMENT MARKING SYMBOLS

- | | |
|--|--|
| UA - LEFT TURN ARROW (90 MIL) | UU - FISH-HOOK STRAIGHT ARROW (90 MIL) |
| UB - RIGHT TURN ARROW (90 MIL) | UV - FISH-HOOK LEFT/STRAIGHT ARROW (90 MIL) |
| UC - STRAIGHT ARROW (90 MIL) | UW - FISH-HOOK RIGHT/STRAIGHT ARROW (90 MIL) |
| UD - COMBO. LEFT/STRAIGHT ARROW (90 MIL) | UX - FISH-HOOK LEFT/RIGHT ARROW (90 MIL) |
| UE - COMBO. RIGHT/STRAIGHT ARROW (90 MIL) | UY - FISH-HOOK LEFT/RIGHT/STRAIGHT ARROW (90 MIL) |
| UF - COMBO. LEFT/RIGHT ARROW (90 MIL) | UZ - FISH-HOOK W/CIRCLE STRAIGHT ARROW (90 MIL) |
| UG - COMBO. LEFT/RIGHT/STRAIGHT ARROW (90 MIL) | WA - FISH-HOOK W/CIRCLE LEFT ARROW (90 MIL) |
| UH - HANDICAP PARKING (90 MIL) | WB - FISH-HOOK W/CIRCLE LEFT/STRAIGHT ARROW (90 MIL) |
| UI - ALPHANUMERIC CHAR. (120 MIL) | WC - FISH-HOOK W/CIRCLE LEFT/RIGHT/STRAIGHT ARROW (90 MIL) |
| UJ - BICYCLE SYMBOL (90 MIL) | |
| UK - BICYCLE STRAIGHT ARROW (90 MIL) | MA - PERMANENT RAISED MARKER (YELLOW & YELLOW) |
| UL - BICYCLE CHAR. (120 MIL) | MB - PERMANENT RAISED MARKER (CRYSTAL & RED) |
| UM - 12" YIELD LINE TRIANGLE (90 MIL) | MC - PERMANENT RAISED MARKER (YELLOW & RED) |
| UN - 24" YIELD LINE TRIANGLE (90 MIL) | MD - PERMANENT RAISED MARKER (YELLOW) |
| UO - BICYCLE LEFT ARROW (90 MIL) | ME - SNOWPLOWABLE MARKER (YELLOW & YELLOW) |
| UP - MERGE ARROW (90 MIL) | MF - SNOWPLOWABLE MARKER (CRYSTAL & RED) |
| UQ - RAMP ARROW SYMBOL (90 MIL) | MG - SNOWPLOWABLE MARKER (YELLOW & RED) |
| UR - SHARROW (90 MIL) | ML - PERMANENT RAISED MARKER (CRYSTAL & CRYSTAL) |
| US - BICYCLE LOOP DETECTOR (90 MIL) | MO - SNOWPLOWABLE MARKER (CRYSTAL & CRYSTAL) |
| UT - U-TURN ARROW (90 MIL) | |



**LEFT AND RIGHT TURN LANES
ON NC 160 AND
HAMILTON RD. (SR-1106)**

SCALE	1"=50'		REVISIONS
DATE	7-2018		
DWG. BY	JDH		
DESIGN BY	JDH		
APPROVED	JDH		

ROADWAY DESIGN ENGINEER

Documented by: *Michael J. Johnson*

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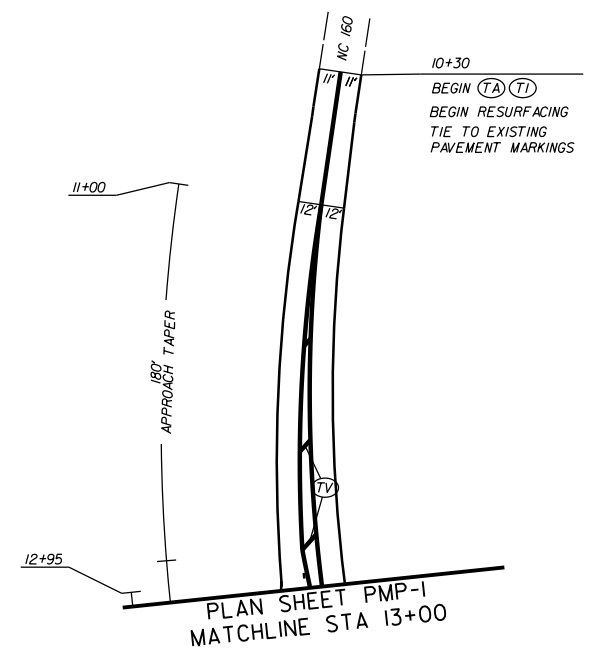
PAVEMENT MARKING SCHEDULE

PAVEMENT MARKING LINES

- | | |
|--|---|
| TA - WHITE EDGELINE (4",.90 MIL) | TU - WHITE DIAGONAL (12",.90 MIL) |
| TB - YELLOW EDGELINE (4",.90 MIL) | TV - YELLOW DIAGONAL (12",.90 MIL) |
| TC - 10FT. WHITE SKIP (4",.120 MIL) | TW - WHITE LINE, RR X (16",.120 MIL) |
| TD - 3FT.-9FT./SP WHITE MINISKIP (4",.120 MIL) | TX - WHITE STOPBAR (24",.120 MIL) |
| TE - WHITE SOLID LANE LINE (4",.120 MIL) | T3 - WHITE CROSSWALK LINE (24",.120 MIL) |
| TF - 10FT. YELLOW SKIP (4",.120 MIL) | T4 - WHITE RUMBLE STRIP (4",.240 MIL) |
| TH - YELLOW SINGLE CENTER (4",.120 MIL) | T5 - YELLOW RUMBLE STRIP (4",.240 MIL) |
| TI - YELLOW DOUBLE CENTER (4",.120 MIL) | T6 - WHITE EDGELINE (6",.90 MIL) |
| TJ - 10FT. WHITE SKIP (6",.120 MIL) | T7 - YELLOW EDGELINE (6",.90 MIL) |
| TK - 3FT.-9FT./SP WHITE MINISKIP (6",.120 MIL) | T8 - 2FT.-6FT./SP WHITE MINISKIP (4",.120 MIL) |
| TL - WHITE SOLID LANE LINE (6",.120 MIL) | T9 - 2FT.-6FT./SP YELLOW MINISKIP (4",.120 MIL) |
| TM - 10FT. YELLOW SKIP (6",.120 MIL) | T10 - 3FT.-3FT./SP WHITE MINISKIP (12",.120 MIL) |
| TN - WHITE GORELINE (8",.90 MIL) | T11 - 2FT.-6FT./SP WHITE MINISKIP (6",.120 MIL) |
| TO - WHITE DIAGONAL (8",.90 MIL) | T12 - 2FT.-6FT./SP YELLOW MINISKIP (6",.120 MIL) |
| TP - YELLOW DIAGONAL (8",.90 MIL) | T13 - 3FT.-9FT./SP WHITE MINISKIP (8",.120 MIL) |
| TQ - WHITE CROSSWALK LINE (8",.120 MIL) | T14 - 3FT.-9FT./SP WHITE MINISKIP (12",.120 MIL) |
| TR - WHITE SOLID LANE LINE (8",.120 MIL) | T15 - YELLOW SINGLE CENTER (6",.120 MIL) |
| TS - WHITE GORELINE (12",.90 MIL) | T16 - YELLOW DOUBLE CENTER (6",.120 MIL) |
| TT - WHITE SOLID LANE LINE (12",.120 MIL) | T17 - 3FT.-3FT./SP WHITE MINISKIP ENTRANCE LINE (8",.120 MIL) |

PAVEMENT MARKING SYMBOLS

- | | |
|--|--|
| UA - LEFT TURN ARROW (90 MIL) | UU - FISH-HOOK STRAIGHT ARROW (90 MIL) |
| UB - RIGHT TURN ARROW (90 MIL) | UV - FISH-HOOK LEFT/STRAIGHT ARROW (90 MIL) |
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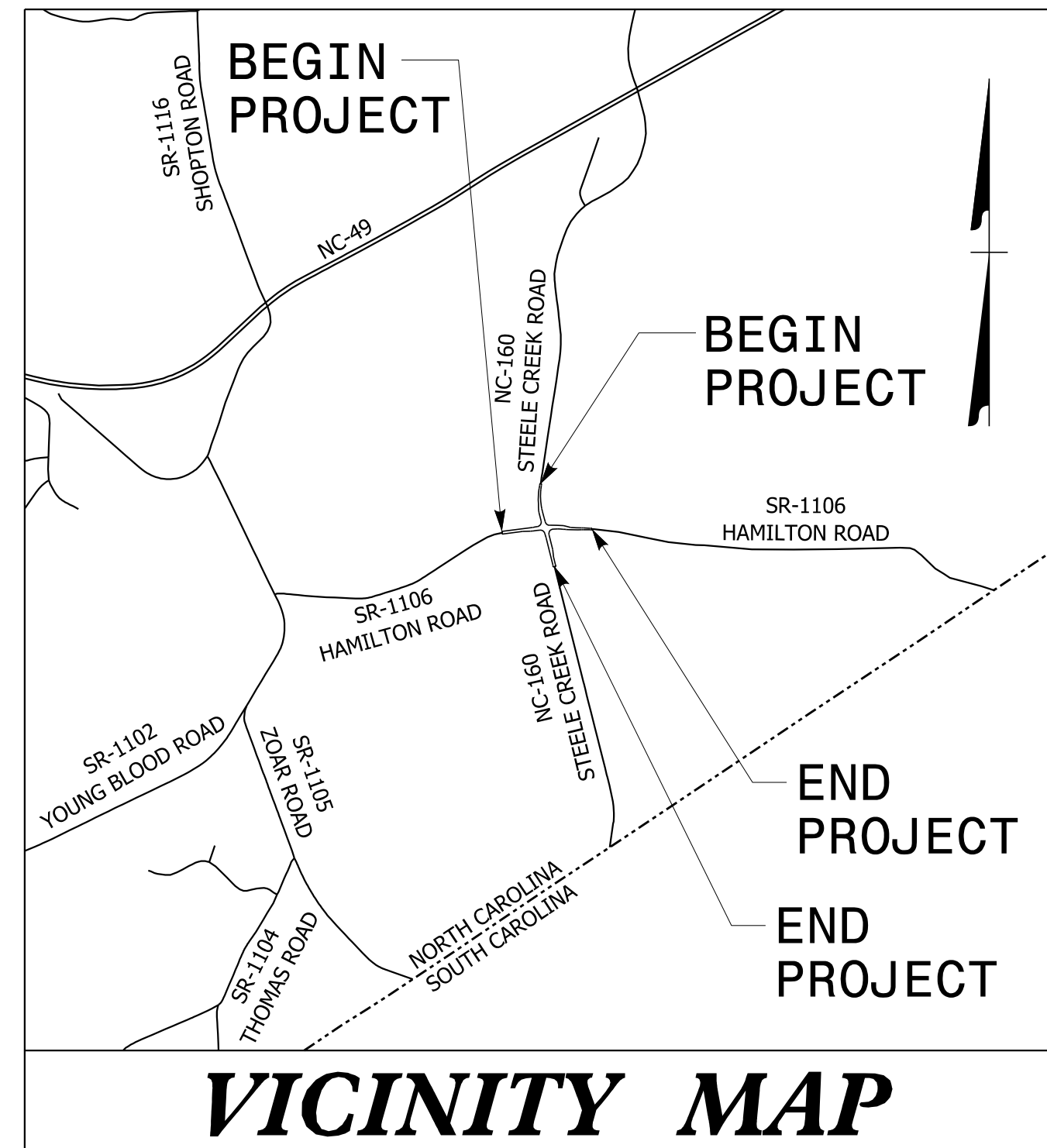
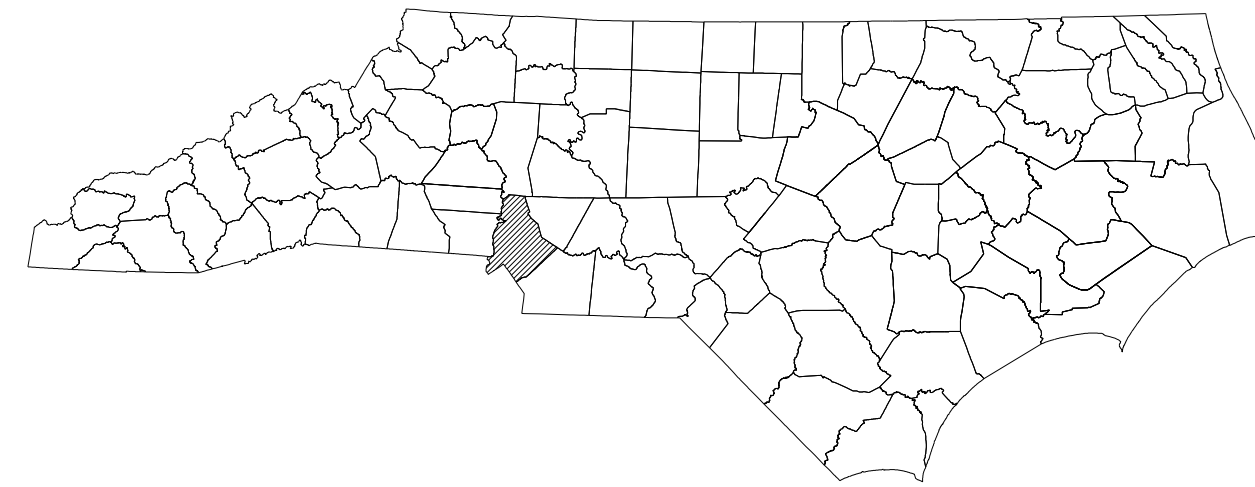
LEFT AND RIGHT TURN LANES
ON NC 160 AND
HAMILTON RD.(SR-1106)

SCALE	1"=50'		REVISIONS
DATE	1-2018		
DWG. BY	JDH		
DESIGN BY	JDH		
APPROVED	JDH		

STATE OF NORTH CAROLINA
DIVISION OF HIGHWAYS

TRANSPORTATION MANAGEMENT PLAN

MECKLENBURG COUNTY



**LOCATION: INTERSECTION OF NC 160 (STEELE CREEK ROAD)
AND SR 1106 (HAMILTON ROAD)**

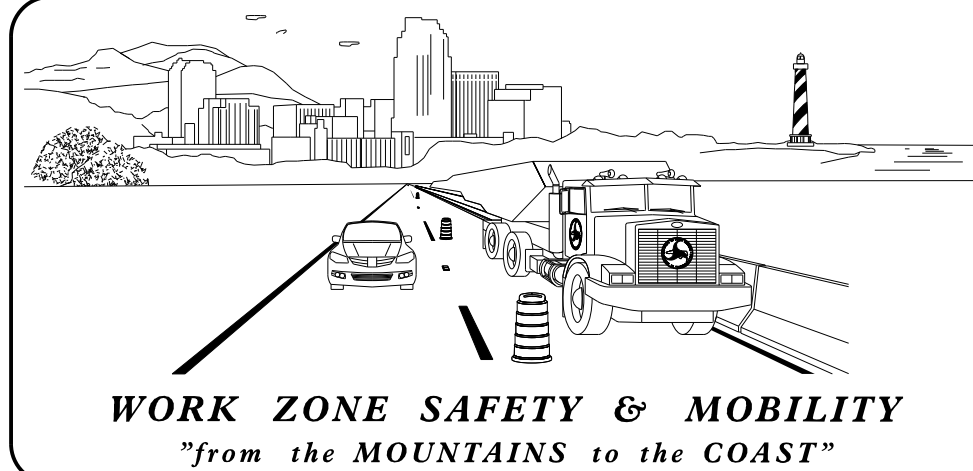
INDEX OF SHEETS

SHEET NO.	TITLE
TMP-1	TITLE SHEET, VICINITY MAP, AND INDEX OF SHEETS
TMP-1A	LIST OF APPLICABLE ROADWAY STANDARD DRAWINGS, AND LEGEND
TMP-1B	TRANSPORTATION OPERATIONS PLAN: (MANAGEMENT STRATEGIES, GENERAL NOTES, AND LOCAL NOTES)
TMP-2	TEMPORARY TRAFFIC CONTROL PHASING
TMP-3	TEMPORARY TRAFFIC CONTROL PHASE I DETAIL
TMP-4	TEMPORARY TRAFFIC CONTROL PHASE II DETAIL

SHEET NO.

TMP-1

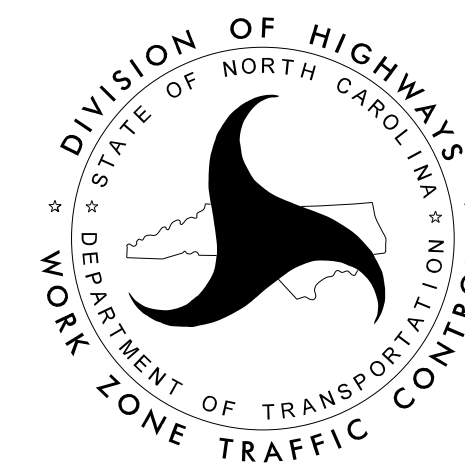
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PREPARED FOR:

NCDOT DIVISION 10

CONTACT: DONALD GRIFFITH
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LISA M. MOON, P.E.
ADAM J. DAVIS, P.E.

**DOCUMENT NOT CONSIDERED FINAL
UNLESS ALL SIGNATURES COMPLETED**

APPROVED: *Lisa M. Moon*
DATE: 10/3/2017



SEAL

TIP PROJECT: U-5762

ROADWAY STANDARD DRAWINGS

THE FOLLOWING ROADWAY STANDARDS AS SHOWN IN "ROADWAY STANDARD DRAWINGS" - CONTRACT STANDARDS AND DEVELOPMENT UNIT - N.C. DEPARTMENT OF TRANSPORTATION - RALEIGH, N.C., DATED JANUARY 2018 ARE APPLICABLE TO THIS PROJECT AND BY REFERENCE HEREBY ARE CONSIDERED A PART OF THESE PLANS:

STD. NO.	TITLE
1101.01	WORK ZONE ADVANCE WARNING SIGNS
1101.02	TEMPORARY LANE CLOSURES
1101.11	TRAFFIC CONTROL DESIGN TABLES
1110.01	STATIONARY WORK ZONE SIGNS
1110.02	PORTABLE WORK ZONE SIGNS
1115.01	FLASHING ARROW BOARDS
1130.01	DRUM
1135.01	CONES
1145.01	BARRICADES
1150.01	FLAGGING DEVICES
1160.01	TEMPORARY CRASH CUSHION
1165.01	WORK VEHICLE LIGHTING SYSTEMS AND TMA DELINEATION
1180.01	SKINNY-DRUM
1205.01	PAVEMENT MARKINGS - LINE TYPES AND OFFSETS
1205.02	PAVEMENT MARKINGS - TWO-LANE AND MULTI-LANE ROADWAYS
1205.04	PAVEMENT MARKINGS - INTERSECTIONS
1205.05	PAVEMENT MARKINGS - TURN LANES
1205.07	PAVEMENT MARKINGS - PEDESTRIAN CROSSWALKS
1205.08	PAVEMENT MARKINGS - SYMBOLS AND WORD MESSAGES
1205.09	PAVEMENT MARKINGS - PAINTED ISLANDS

LEGEND

GENERAL

- DIRECTION OF TRAFFIC FLOW
- DIRECTION OF PEDESTRIAN TRAFFIC FLOW
- EXIST. PVMT.
- NORTH ARROW
- PROPOSED PVMT.
- TEMP. SHORING (LOCATION PURPOSES ONLY)



SIGNALS

- EXISTING
- PROPOSED
- TEMPORARY

PAVEMENT MARKINGS

- EXISTING LINES
- TEMPORARY LINES

TRAFFIC CONTROL DEVICES

- BARRICADE (TYPE III)
- CONE
- DRUM
- SKINNY DRUM
- TUBULAR MARKER
- TEMPORARY CRASH CUSHION
- FLASHING ARROW BOARD
- FLAGGER
- LAW ENFORCEMENT
- TRUCK MOUNTED ATTENUATOR (TMA)
- CHANGEABLE MESSAGE SIGN

TEMPORARY SIGNING

- PORTABLE SIGN
- STATIONARY SIGN
- STATIONARY OR PORTABLE SIGN

PAVEMENT MARKERS

- CRYSTAL/CRYSTAL
- CRYSTAL/RED
- YELLOW/YELLOW

PAVEMENT MARKING SYMBOLS

- PAVEMENT MARKING SYMBOLS

TEMPORARY PAVEMENT MARKING

	PAINT	
PA	WHITE EDGE LINE	(4")
PD	3 FT. - 9 FT./SP WHITE MINISKIP	(4")
PE	WHITE SOLID LANE LINE	(4")
PI	YELLOW DOUBLE CENTER	(4")
PV	YELLOW DIAGONAL	(12")
PQ	WHITE CROSSWALK LINE	(8")
P2	WHITE STOP BAR	(24")
QA	LEFT TURN ARROW	
QB	RIGHT TURN ARROW	
QC	STRAIGHT ARROW	

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Plans Prepared By:



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8000 Regency Parkway, Suite 175
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APPROVED: <u>Lisa M. Moon</u> DATE: 10/3/2017 SEAL			ROADWAY STANDARD DRAWINGS & LEGEND
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MANAGEMENT STRATEGIES

THIS PROJECT HAS BEEN PHASED TO MAINTAIN THE EXISTING TRAFFIC PATTERN WHILE CONSTRUCTION TAKES PLACE AWAY FROM TRAFFIC WHEN POSSIBLE OR AT NIGHT UNDER FLAGGING. WEDGING OVER THE EXISTING ROADWAY WILL OCCUR UNDER FLAGGING TO RAISE THE SURFACE TO FINAL GRADE.

TRAFFIC WILL BE SHIFTED TO THE FINAL PATTERN USING AN ICT TO MINIMIZE IMPACT ON NC 160 AND HAMILTON ROAD. REMOVAL OF EXISTING PAVEMENT AND FINALIZING GRADE ALONG THE SHOULDER WILL TAKE PLACE WHILE TRAFFIC REMAINS IN FINAL PATTERN.

GENERAL NOTES

CHANGES MAY BE REQUIRED WHEN PHYSICAL DIMENSIONS IN THE DETAIL DRAWINGS, STANDARD DETAILS, AND ROADWAY DETAILS ARE NOT ATTAINABLE TO MEET FIELD CONDITIONS OR RESULT IN DUPLICATE OR UNDESIRED OVERLAPPING OF DEVICES. MODIFICATION MAY INCLUDE: MOVING, SUPPLEMENTING, COVERING, OR REMOVAL OF DEVICES AS DIRECTED BY THE ENGINEER.

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.

TIME RESTRICTIONS

A) DO NOT CLOSE OR NARROW TRAVEL LANES AS FOLLOWS:

ROAD NAME	DAY AND TIME RESTRICTIONS
NC 160 (STEELE CREEK ROAD)	MONDAY THROUGH SUNDAY
SR 1106 (HAMILTON ROAD)	6:00 A.M. TO 8:00 P.M.

B) DO NOT CLOSE OR NARROW TRAVEL LANES DURING HOLIDAYS AND SPECIAL EVENTS AS FOLLOWS:

ROAD NAME

NC 160 (STEEL CREEK ROAD)
SR 1106 (HAMILTON ROAD)

HOLIDAY

- FOR ANY UNEXPECTED OCCURRENCE THAT CREATES UNUSUALLY HIGH TRAFFIC VOLUMES, AS DIRECTED BY THE ENGINEER.
- FOR NEW YEAR'S, BETWEEN THE HOURS OF 8:00 P.M. DECEMBER 31ST TO 8:00 P.M. JANUARY 2ND. IF NEW YEAR'S DAY IS ON A FRIDAY, SATURDAY, SUNDAY, OR MONDAY THEN UNTIL 8:00 P.M. THE FOLLOWING TUESDAY.
- FOR EASTER, BETWEEN THE HOURS OF 8:00 P.M. THURSDAY AND 8:00 P.M. MONDAY.
- FOR MEMORIAL DAY, BETWEEN THE HOURS OF 8:00 P.M. FRIDAY TO 8:00 P.M. TUESDAY.
- FOR INDEPENDENCE DAY, BETWEEN THE HOURS OF 8:00 P.M. THE DAY BEFORE INDEPENDENCE DAY AND 8:00 P.M. THE DAY AFTER INDEPENDENCE DAY. IF INDEPENDENCE DAY IS ON A FRIDAY, SATURDAY, SUNDAY OR MONDAY THEN BETWEEN THE HOURS OF 8:00 P.M. THE THURSDAY BEFORE INDEPENDENCE DAY AND 8:00 P.M. THE TUESDAY AFTER INDEPENDENCE DAY.
- FOR LABOR DAY, BETWEEN THE HOURS OF 8:00 P.M. FRIDAY AND 8:00 P.M. TUESDAY.
- FOR THANKSGIVING DAY, BETWEEN THE HOURS OF 8:00 P.M. TUESDAY TO 8:00 P.M. MONDAY.
- FOR CHRISTMAS, BETWEEN THE HOURS OF 8:00 P.M. THE FRIDAY BEFORE THE WEEK OF CHRISTMAS DAY AND 8:00 P.M. THE FOLLOWING TUESDAY AFTER THE WEEK OF CHRISTMAS.

LANE AND SHOULDER CLOSURE REQUIREMENTS

- C) REMOVE LANE CLOSURE DEVICES FROM THE LANE WHEN WORK IS NOT BEING PERFORMED BEHIND THE LANE CLOSURE OR WHEN A LANE CLOSURE IS NO LONGER NEEDED OR AS DIRECTED BY THE ENGINEER.
- D) WHEN PERSONNEL AND/OR EQUIPMENT ARE WORKING WITHIN 15 FT OF AN OPEN TRAVEL LANE, CLOSE THE NEAREST OPEN SHOULDER USING ROADWAY STANDARD DRAWING NO. 1101.04 UNLESS THE WORK AREA IS PROTECTED BY BARRIER OR GUARDRAIL OR A LANE CLOSURE IS INSTALLED.
- E) WHEN PERSONNEL AND/OR EQUIPMENT ARE WORKING ON THE SHOULDER ADJACENT TO AN UNDIVIDED FACILITY AND WITHIN 5 FT OF AN OPEN TRAVEL LANE, CLOSE THE NEAREST OPEN TRAVEL LANE USING ROADWAY STANDARD DRAWING NO. 1101.02 UNLESS THE WORK AREA IS PROTECTED BY BARRIER OR GUARDRAIL.

WHEN PERSONNEL AND/OR EQUIPMENT ARE WORKING ON THE SHOULDER ADJACENT TO A DIVIDED FACILITY AND WITHIN 10 FT OF AN OPEN TRAVEL LANE, CLOSE THE NEAREST OPEN TRAVEL LANE USING ROADWAY STANDARD DRAWING NO. 1101.02 UNLESS THE WORK AREA IS PROTECTED BY BARRIER OR GUARDRAIL.

- F) WHEN PERSONNEL AND/OR EQUIPMENT ARE WORKING WITHIN A LANE OF TRAVEL OF AN UNDIVIDED OR DIVIDED FACILITY, CLOSE THE LANE ACCORDING TO THE TRAFFIC CONTROL PLANS, ROADWAY STANDARD DRAWINGS, OR AS DIRECTED BY THE ENGINEER. CONDUCT THE WORK SO THAT ALL PERSONNEL AND/OR EQUIPMENT REMAIN WITHIN THE CLOSED TRAVEL LANE.
- G) DO NOT WORK SIMULTANEOUSLY WITHIN 15 FT ON BOTH SIDES OF AN OPEN TRAVELWAY, RAMP, OR LOOP WITHIN THE SAME LOCATION UNLESS PROTECTED WITH GUARDRAIL OR BARRIER.
- H) PROVIDE TRAFFIC CONTROL FOR APPROPRIATE LANE CLOSURES FOR SURVEYING DONE BY THE DEPARTMENT.

PAVEMENT EDGE DROP OFF REQUIREMENTS

- I) BACKFILL AT A 6:1 SLOPE UP TO THE EDGE AND ELEVATION OF EXISTING PAVEMENT IN AREAS ADJACENT TO AN OPENED TRAVEL LANE THAT HAS AN EDGE OF PAVEMENT DROP-OFF AS FOLLOWS:

BACKFILL DROP-OFFS THAT EXCEED 2 INCHES ON ROADWAYS WITH POSTED SPEED LIMITS OF 45 MPH OR GREATER.

BACKFILL DROP-OFFS THAT EXCEED 3 INCHES ON ROADWAYS WITH POSTED SPEED LIMITS LESS THAN 45 MPH.

BACKFILL WITH SUITABLE COMPACTED MATERIAL, AS APPROVED BY THE ENGINEER, AT NO EXPENSE TO THE DEPARTMENT.

- J) DO NOT EXCEED A DIFFERENCE OF 2 INCHES IN ELEVATION BETWEEN OPEN LANES OF TRAFFIC FOR NOMINAL LIFTS OF 1.5 INCHES. INSTALL ADVANCE WARNING "UNEVEN LANES" SIGNS (W8-11) 350 IN ADVANCE AND A MINIMUM OF EVERY HALF MILE THROUGHOUT THE UNEVEN AREA.

TRAFFIC PATTERN ALTERATIONS

- K) NOTIFY THE ENGINEER TWENTY ONE (21) CALENDAR DAYS PRIOR TO ANY TRAFFIC PATTERN ALTERATION.

SIGNING

- L) INSTALL ADVANCE WORK ZONE WARNING SIGNS WHEN WORK IS WITHIN 40 FT FROM THE EDGE OF TRAVEL LANE AND NO MORE THAN THREE (3) DAYS PRIOR TO THE BEGINNING OF CONSTRUCTION.
- M) ENSURE ALL NECESSARY SIGNING IS IN PLACE PRIOR TO ALTERING ANY TRAFFIC PATTERN.
- N) INSTALL BLACK ON ORANGE "DIP" SIGNS (W8-2) AND/OR "BUMP" SIGNS (W8-1) 350 IN ADVANCE OF THE UNEVEN AREA, OR AS DIRECTED BY THE ENGINEER.

TRAFFIC CONTROL DEVICES

- O) WHEN LANE CLOSURES ARE NOT IN EFFECT SPACE CHANNELIZING DEVICES IN WORK AREAS NO GREATER IN FEET THAN TWICE THE POSTED SPEED LIMIT (MPH) EXCEPT, 10 FT ON-CENTER IN RADII, AND 3 FT OFF THE EDGE OF AN OPEN TRAVELWAY. REFER TO STANDARD SPECIFICATIONS FOR ROADS AND STRUCTURES SECTIONS 1130 (DRUMS), 1135 (CONES) AND 1180 (SKINNY DRUMS) FOR ADDITIONAL REQUIREMENTS.
- P) PLACE ADDITIONAL SETS OF THREE CHANNELIZING DEVICES DRUMS PERPENDICULAR TO THE EDGE OF TRAVELWAY ON 500 FT CENTERS WHEN UNOPENED LANES ARE CLOSED TO TRAFFIC.

PAVEMENT MARKINGS AND MARKERS

- Q) INSTALL TEMPORARY PAVEMENT MARKINGS AND TEMPORARY PAVEMENT MARKERS ON INTERIM LAYERS OF PAVEMENT AS FOLLOWS:

ROAD NAME	MARKING	MARKER
NC-160 (STEELE CREEK ROAD)	PAINT	NONE
SR-1106 (HAMILTON ROAD)	PAINT	NONE

- R) PLACE ONE APPLICATION OF PAINT FOR TEMPORARY TRAFFIC PATTERNS. PLACE A SECOND APPLICATION OF PAINT SIX (6) MONTHS AFTER THE INITIAL APPLICATION AND EVERY SIX MONTHS AS DIRECTED BY THE ENGINEER.
- S) TIE PROPOSED PAVEMENT MARKING LINES TO EXISTING PAVEMENT MARKING LINES.
- T) REMOVE/REPLACE ANY CONFLICTING/DAMAGED PAVEMENT MARKINGS AND MARKERS BY THE END OF EACH DAY'S OPERATION.

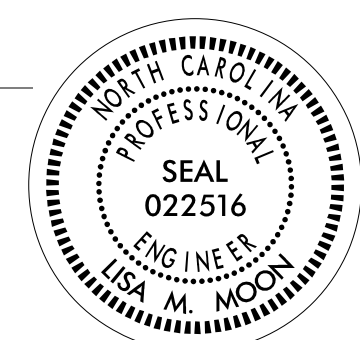

MISCELLANEOUS

- U) LAW ENFORCEMENT MAY BE USED TO MAINTAIN TRAFFIC THROUGH THE WORK AREA AND/OR INTERSECTIONS AS DIRECTED BY THE ENGINEER.

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User:rlawton

Plans Prepared By:



APPROVED: <i>Lisa M. Moon</i> DATE: 10/3/2017 <div style="text-align: center;">  SEAL </div>		<h1 style="margin: 0;">TRANSPORTATION OPERATIONS PLAN</h1>
DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED		

PROJ. REFERENCE NO.	SHEET NO.
B-5762	TMP-2

PHASING

THE CHARLOTTE DEPARTMENT OF TRANSPORTATION (CDOT) WILL PERFORM CONSTRUCTION OF TRAFFIC SIGNALS INCLUDING EQUIPMENT INSTALLATION, EQUIPMENT REMOVAL, PROGRAMMING, AND ASSOCIATED TRAFFIC CONTROL. COORDINATE WITH CDOT FOR THIS WORK.

PHASE I

STEP 1:
 INSTALL WORK ZONE ADVANCE WARNING SIGNS. SEE RSD 1101.01, SHEET 3 OF 3. POSITION "ROAD WORK AHEAD" SIGNS APPROXIMATELY 1600' FROM CONSTRUCTION LIMITS ON EACH APPROACH TO ACCOMMODATE FLAGGERS AND SIGNS FOR TEMPORARY LANE CLOSURES.

STEP 2:
 AWAY FROM TRAFFIC AND USING RSD 1101.02, SHEETS 1 AND 2 OF 14, AND LAW ENFORCEMENT AS NECESSARY, BEGIN CONSTRUCTION OF THE FOLLOWING UP TO EDGE AND ELEVATION, AS SHOWN ON TMP-3:
 -L- FROM STA 10+30+/- TO STA 21+70+/-
 -Y- FROM STA 10+00+/- TO STA 22+13+/-

COORDINATE WITH UTILITY COMPANIES AND CDOT FOR REMOVAL OF POLES WITHIN CONSTRUCTION AREA. CDOT SHALL INSTALL THE TEMPORARY SIGNAL, TRANSFER SIGNAL CONTROL FROM THE EXISTING SIGNAL TO THE TEMPORARY SIGNAL, AND REMOVE ALL EXISTING SIGNAL EQUIPMENT, INCLUDING SIGNAL POLES AND JOINT-USE POLES IF CDOT IS LAST UTILITY ON POLE. CDOT WILL PROVIDE ANY TRAFFIC CONTROL NECESSARY IN CONJUNCTION WITH THE TRAFFIC SIGNAL CONSTRUCTION.

STEP 3:
 AWAY FROM TRAFFIC AND USING RSD 1101.02, SHEETS 1, 2, AND 11 OF 14 AS NECESSARY, COMPLETE CONSTRUCTION OF THE FOLLOWING, UP TO EDGE AND ELEVATION, AS SHOWN ON TMP-3:
 -L- FROM STA 10+30+/- TO STA 21+70+/-
 -Y- FROM STA 10+00+/- TO STA 22+13+/-

STEP 4:
 AWAY FROM TRAFFIC AND USING RSD 1101.02, SHEETS 1, 2, AND 11 OF 14, AND LAW ENFORCEMENT AS NECESSARY, COMPLETE CONSTRUCTION OF THE FOLLOWING, UP TO BUT NOT INCLUDING THE FINAL SURFACE COURSE, WEDGING AS NECESSARY TO MEET APPROPRIATE GRADE AND PROVIDE POSITIVE DRAINAGE, AS SHOWN ON TMP-3:
 -L- FROM STA 10+30+/- TO STA 21+70+/-
 -Y- FROM STA 10+00+/- TO STA 22+13+/-

APPLY EACH LAYER OF ASPHALT, ALTERNATING -L- AND -Y- LINES, TO MINIMIZE THE BUMP CREATED FOR VEHICLES CROSSING -L- AND MAINTAIN TRAFFIC OPERATIONS THRU THE INTERSECTION.

COORDINATE WITH CDOT FOR INSTALLATION OF THE FINAL SIGNAL FOR UPCOMING TRAFFIC SHIFT.

THE CONTRACTOR SHALL WORK IN A CONTINUOUS MANNER TO COMPLETE THE WORK REQUIRED IN PHASE I, STEP 5 WITHIN A SINGLE WEEKEND PERIOD BETWEEN 8:00 PM FRIDAY AND 6:00 AM MONDAY. [SEE INTERMEDIATE CONTRACT TIME AND LIQUIDATED DAMAGES]

STEP 5:
 USING RSD 1101.02, SHEETS 1, 2, AND 11 OF 14, AND LAW ENFORCEMENT AS NECESSARY, COMPLETE THE FOLLOWING:
 -APPLY TEMPORARY PAVEMENT MARKINGS, AS SHOWN ON TMP-4:
 -L- FROM STA 10+30+/- TO STA 21+70+/-
 -Y- FROM STA 10+00+/- TO STA 22+13+/-
 -INSTALL FINAL SIGNS
 -SHIFT TRAFFIC TO FINAL PATTERN

COORDINATE WITH CDOT TO COMPLETE INSTALLATION OF FINAL SIGNAL. CONTRACTOR AND CDOT SHALL COORDINATE TRAFFIC CONTROL NEEDS FOR FINAL SIGNAL INSTALLATION. CDOT SHALL INSTALL ALL FINAL SIGNAL EQUIPMENT, PROVIDING ADDITIONAL TRAFFIC CONTROL AS NECESSARY. CDOT SHALL, IN COORDINATION WITH THE CONTRACTOR'S WORK, ACTIVATE THE FINAL SIGNAL AND REMOVE ANY UNUSED SIGNAL EQUIPMENT.

PHASE II

STEP 1:
 AWAY FROM TRAFFIC AND USING RSD 1101.02, SHEETS 1 AND 2 OF 14 AS NECESSARY, AND LAW ENFORCEMENT, COMPLETE THE FOLLOWING:
 -REMOVE EXISTING PAVEMENT AND FINALIZE SHOULDER GRADE ALONG -Y- FROM STA 11+58+/- TO STA 19+38+/-, AS SHOWN ON TMP-4.

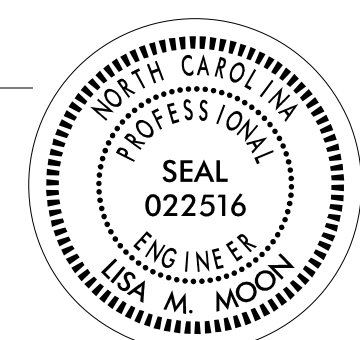

STEP 2:
 USING RSD 1101.02 SHEETS 1,2, AND 11 OF 14 AS NECESSARY, AND LAW ENFORCEMENT, COMPLETE THE FOLLOWING WORK:
 -PLACE FINAL LAYER OF SURFACE COURSE ON:
 -L- FROM STA 10+30+/- TO STA 21+70+/-
 -Y- FROM STA 10+00+/- TO STA 22+13+/-
 -PLACE FINAL PAVEMENT MARKINGS AND MARKERS ON THE PROJECT PER THE PAVEMENT MARKING PLANS.

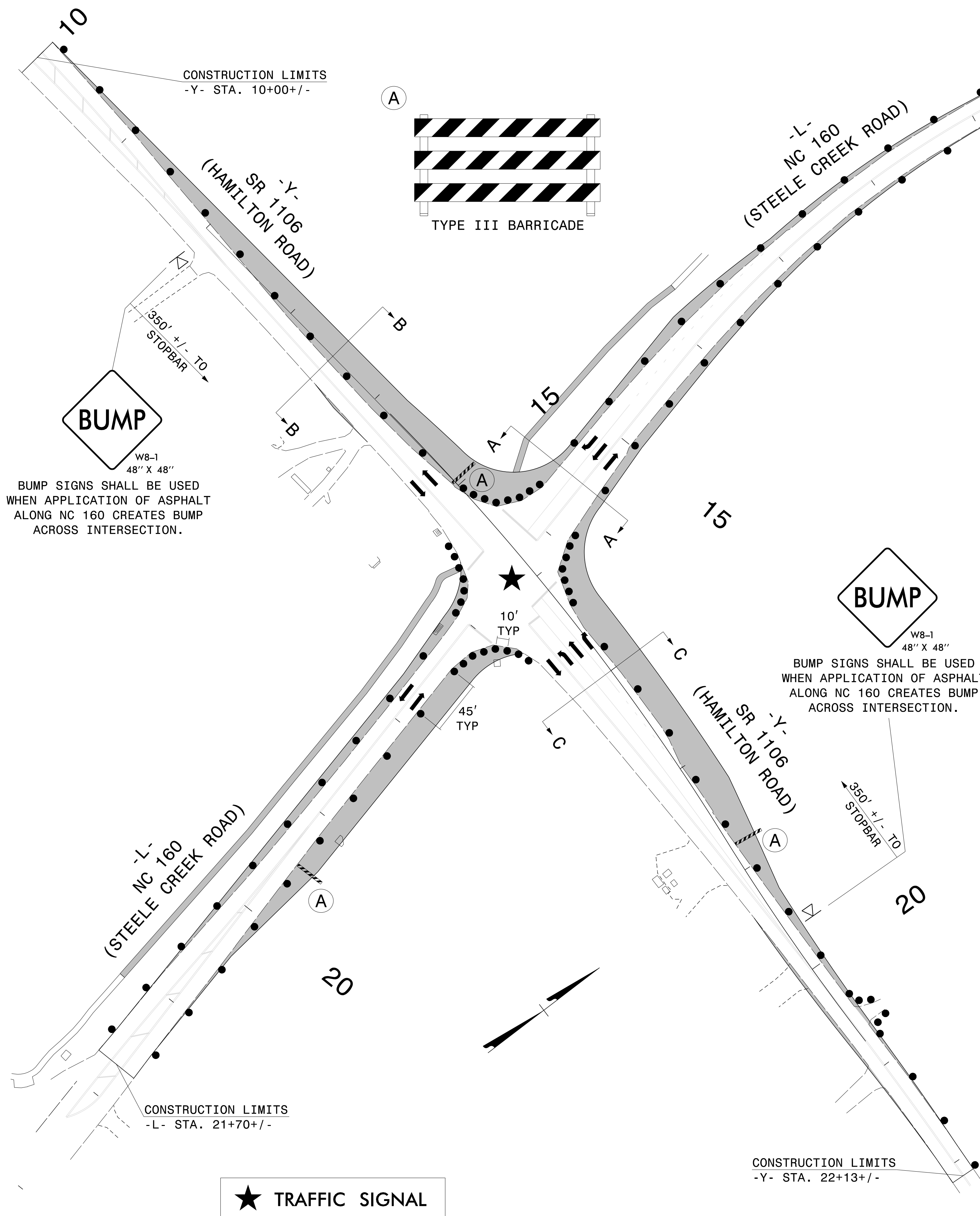
10/3/2017
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 User:rlawton

Plans Prepared By:



DRMP, Inc.
 8000 Regency Parkway, Suite 175
 Cary, NC 27518
 NC License No. C-2213 (919) 650-1038

APPROVED: <i>Lea M. Moon</i> DATE: 10/3/2017 <div style="text-align: center;">  SEAL </div>		<h2 style="margin: 0;">TEMPORARY TRAFFIC CONTROL PHASING</h2>
DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED		

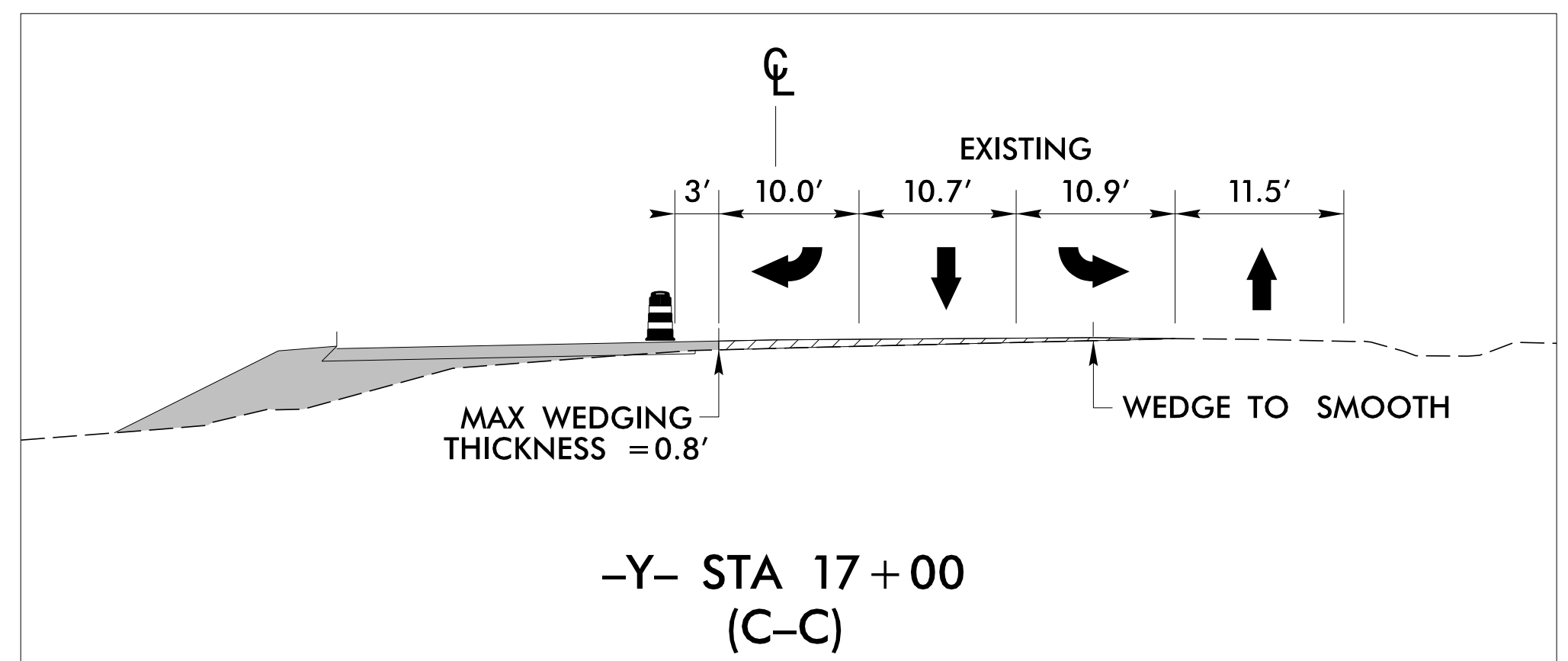
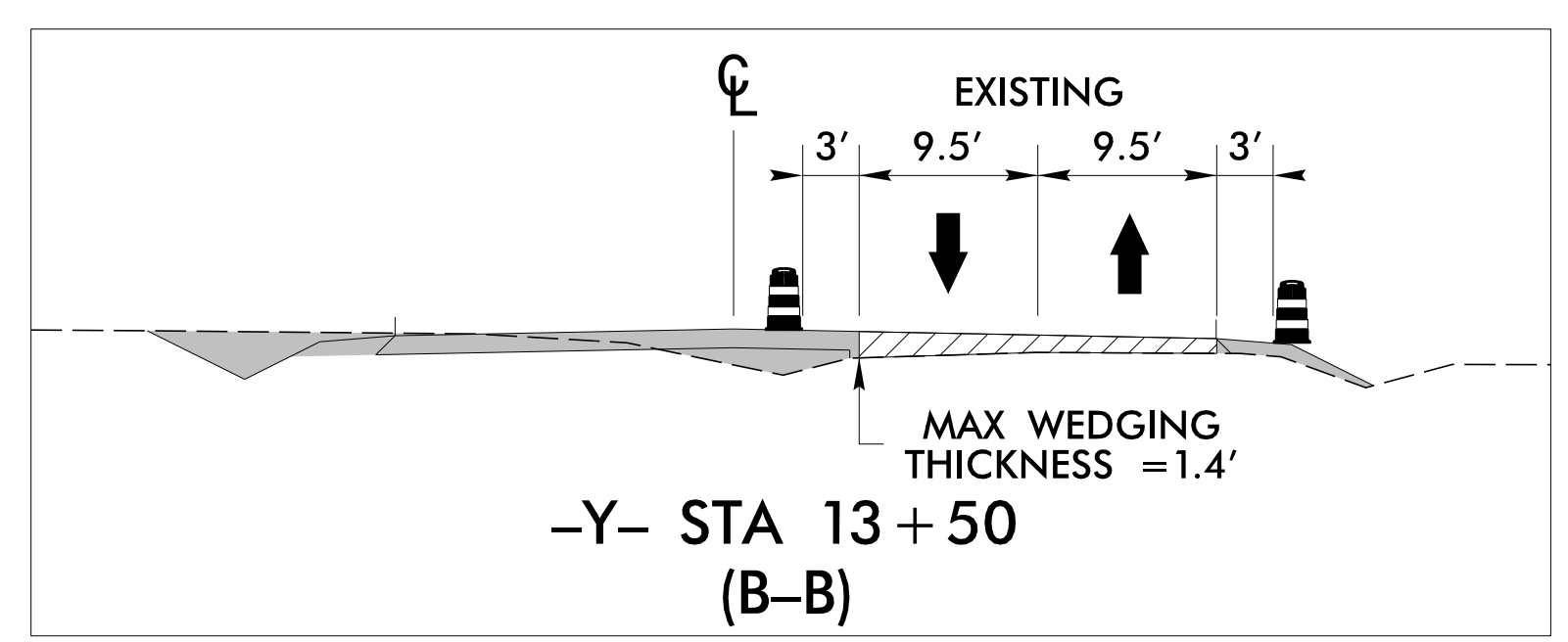
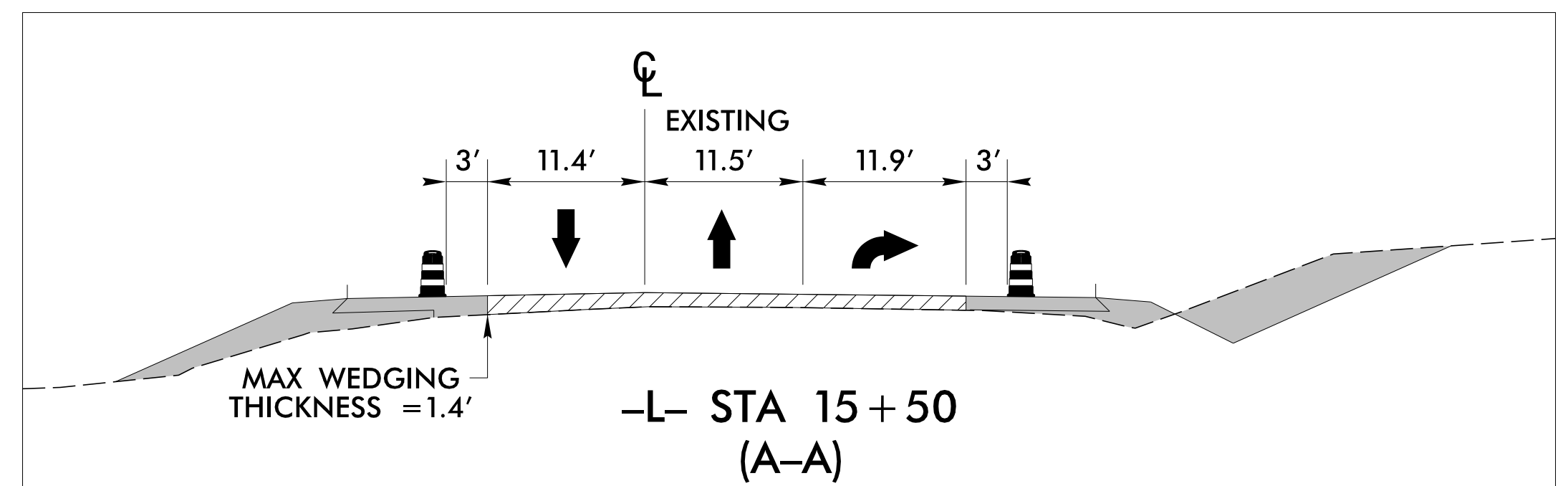


BUMP
W8-1
48" X 48"

BUMP SIGNS SHALL BE USED WHEN APPLICATION OF ASPHALT ALONG NC 160 CREATES BUMP ACROSS INTERSECTION.

BUMP
W8-1
48" X 48"

BUMP SIGNS SHALL BE USED WHEN APPLICATION OF ASPHALT ALONG NC 160 CREATES BUMP ACROSS INTERSECTION.



10/3/2017 R:\15-016.004.Division_10.Support\12 - STIP Projects\U-5762\CADD\U5762-12-TCP_PSH.dgn User:rlawton

Plans Prepared By:

DRMP

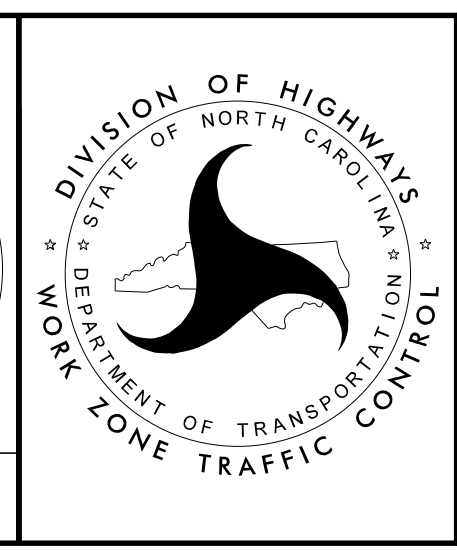
DRMP, Inc.
8000 Regency Parkway, Suite 175
Cary, NC 27518
NC License No. C-2213 (919) 650-1038

APPROVED: *Lisa M. Moon*

DATE: 10/3/2017

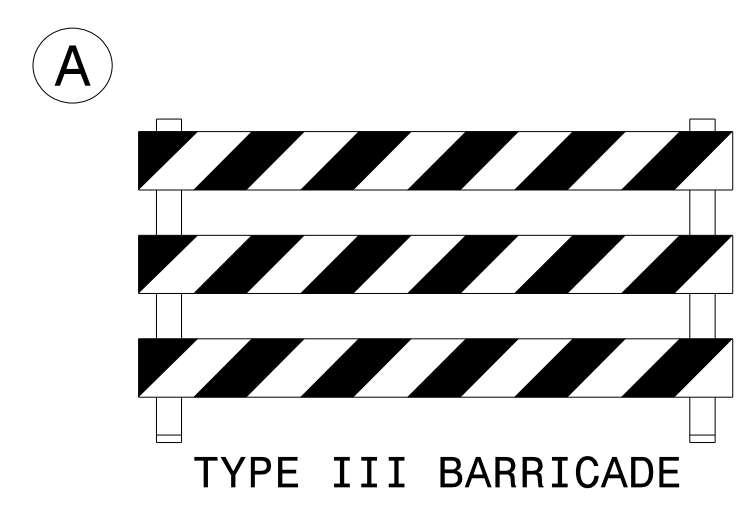
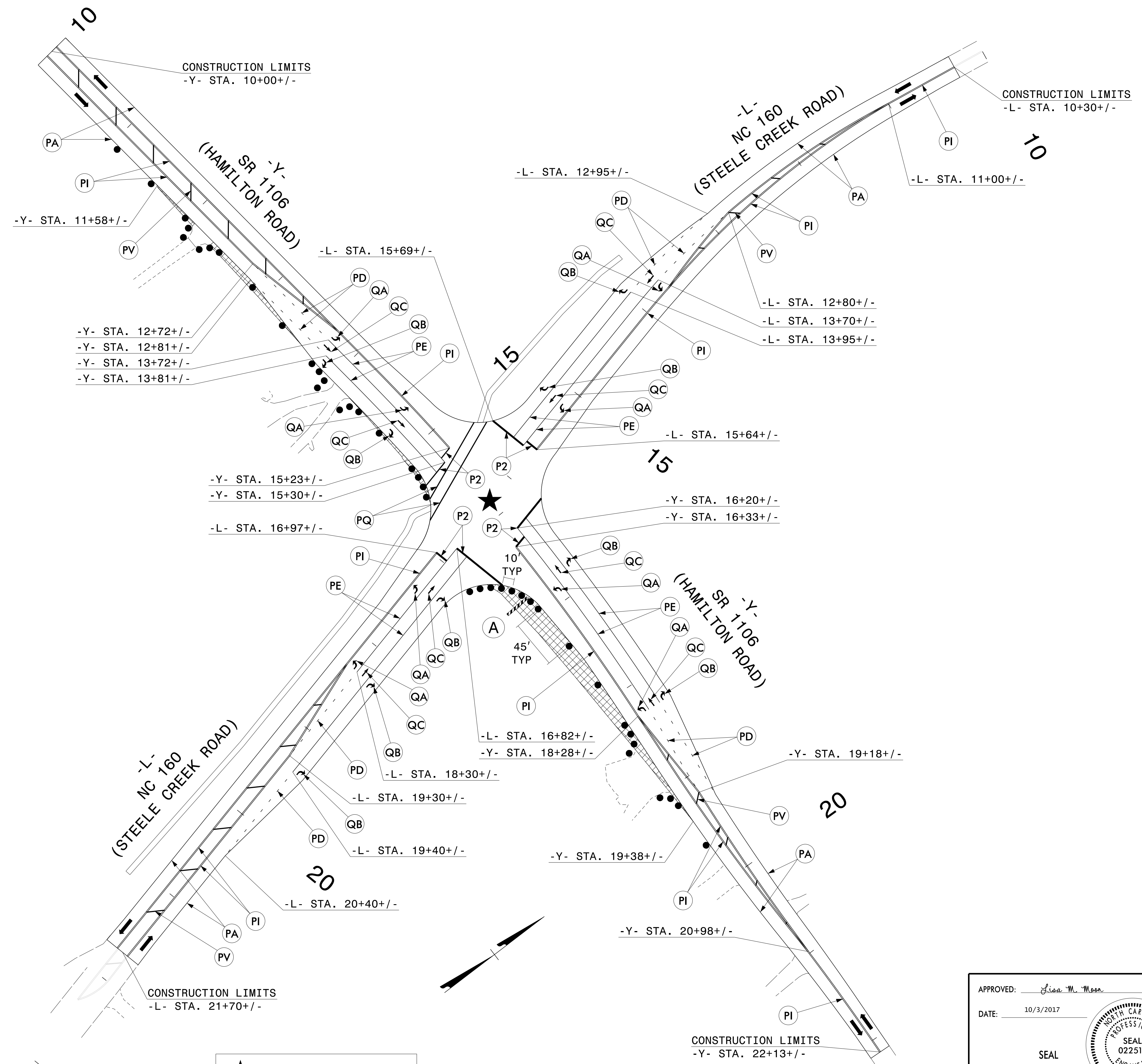
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DIVISION OF HIGHWAYS
STATE OF NORTH CAROLINA
DEPARTMENT OF TRANSPORTATION
WORK ZONE TRAFFIC CONTROL

TEMPORARY TRAFFIC CONTROL PHASE I DETAIL



★ TRAFFIC SIGNAL

10/3/2017
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 User:rlawton

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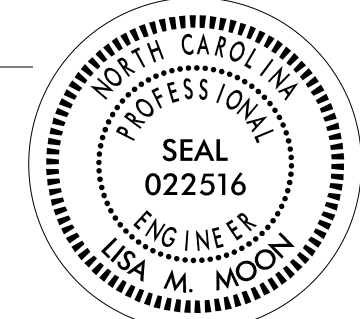


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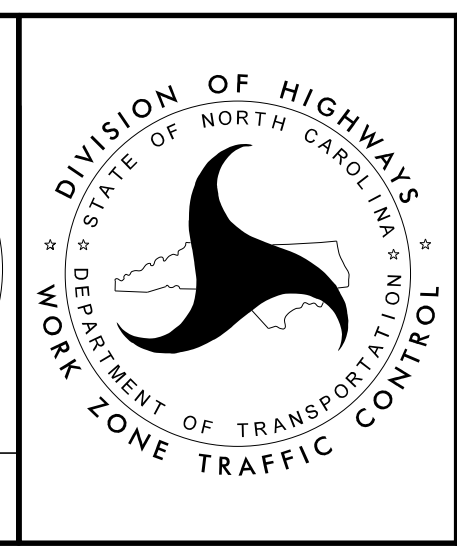
APPROVED: *Lisa M. Moon*

DATE: 10/3/2017

SEAL



**DOCUMENT NOT CONSIDERED FINAL
UNLESS ALL SIGNATURES COMPLETED**



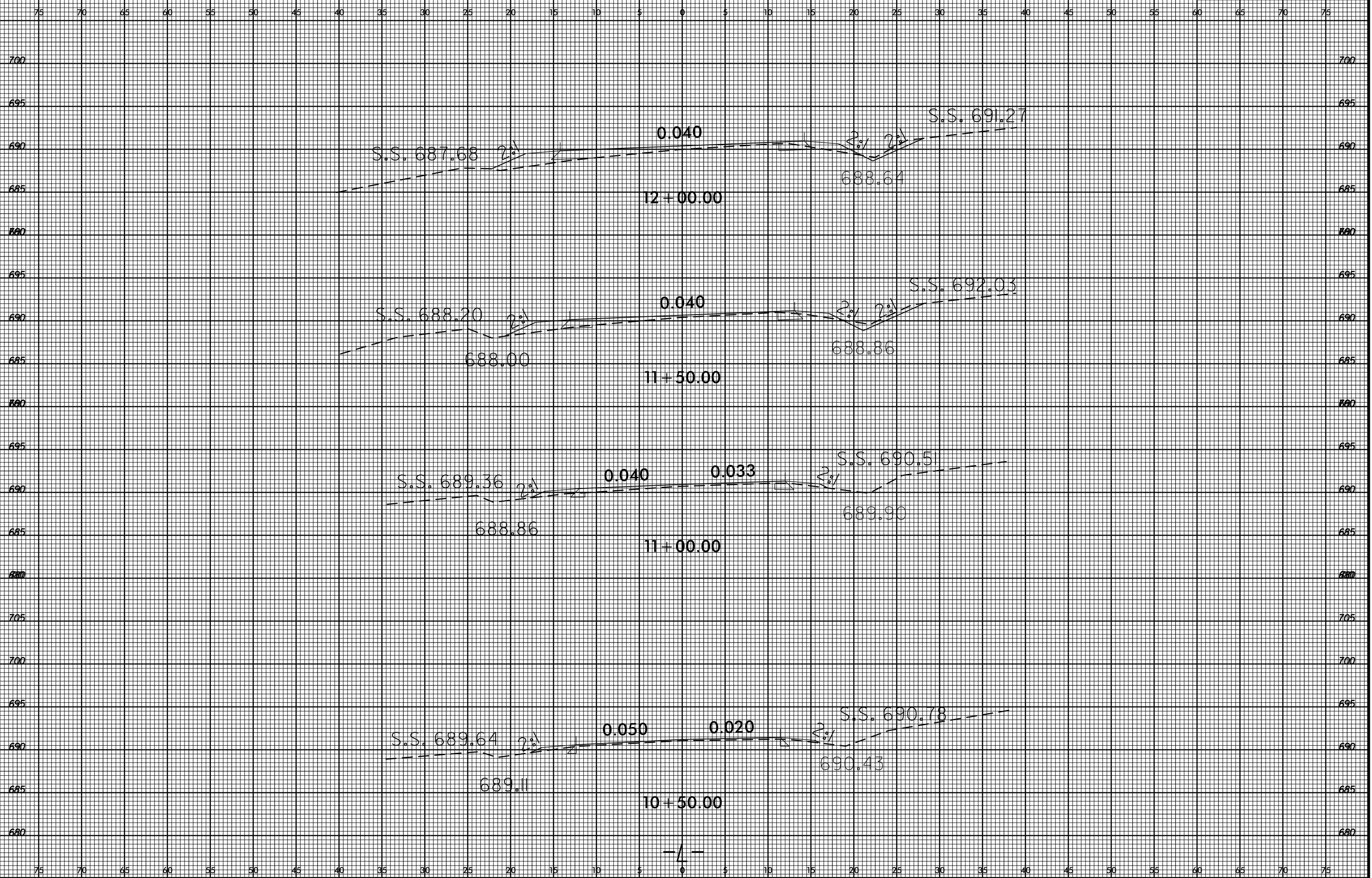
**TEMPORARY
TRAFFIC CONTROL
PHASE II
DETAIL**

8/23/99



PROJ. REFERENCE NO.
50175.3.1

SHEET NO.
X-1



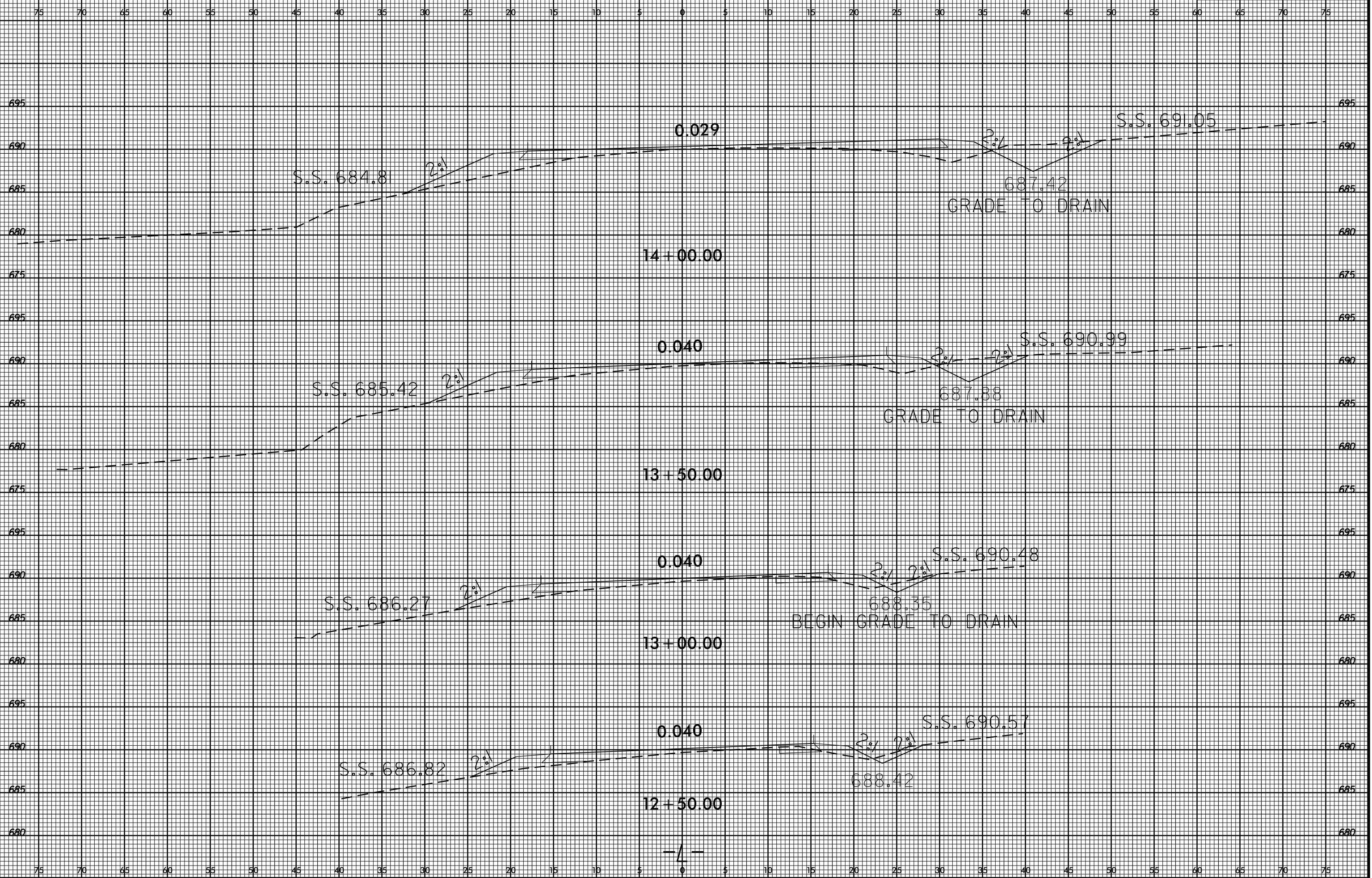
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8/23/99

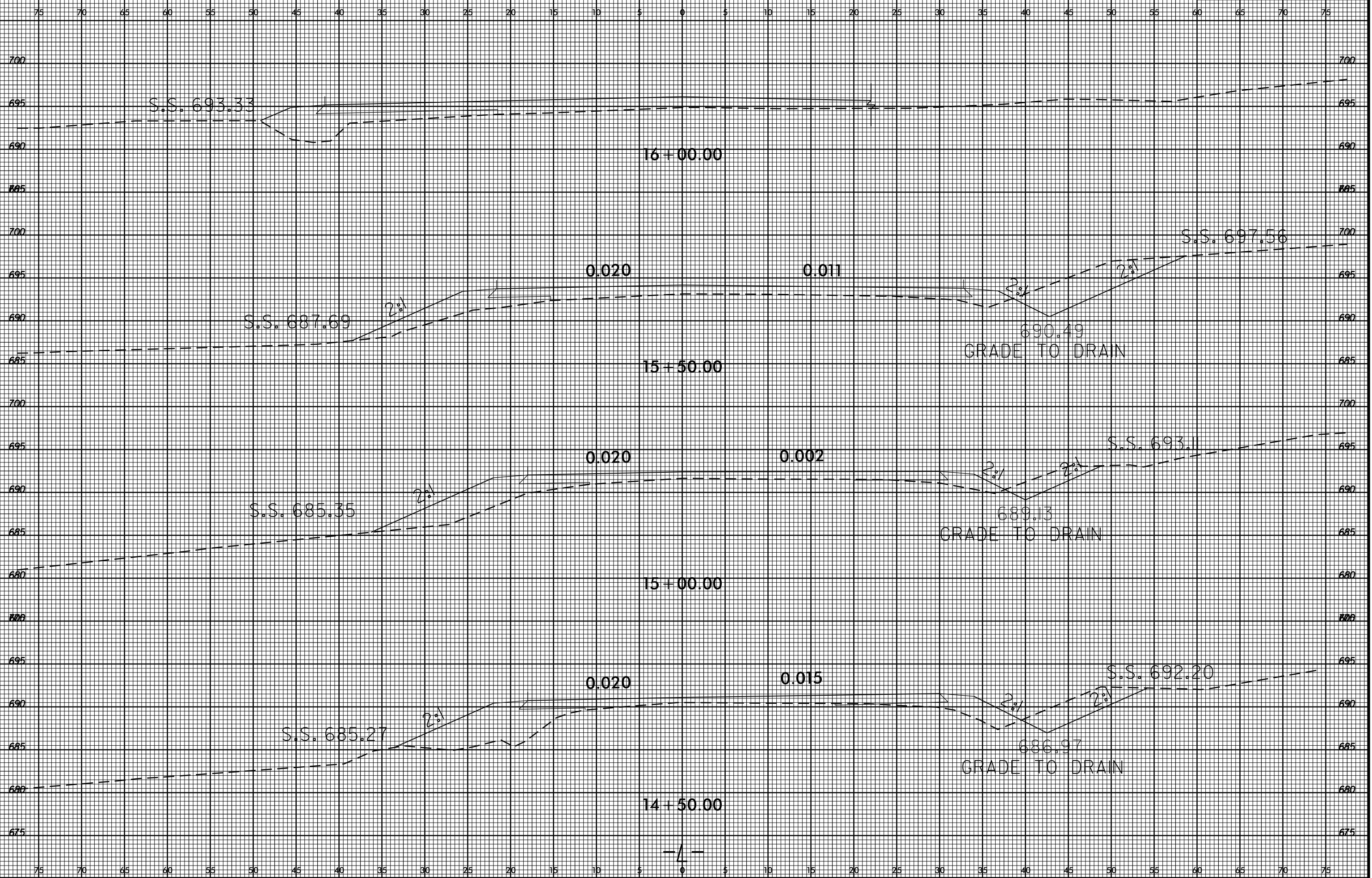


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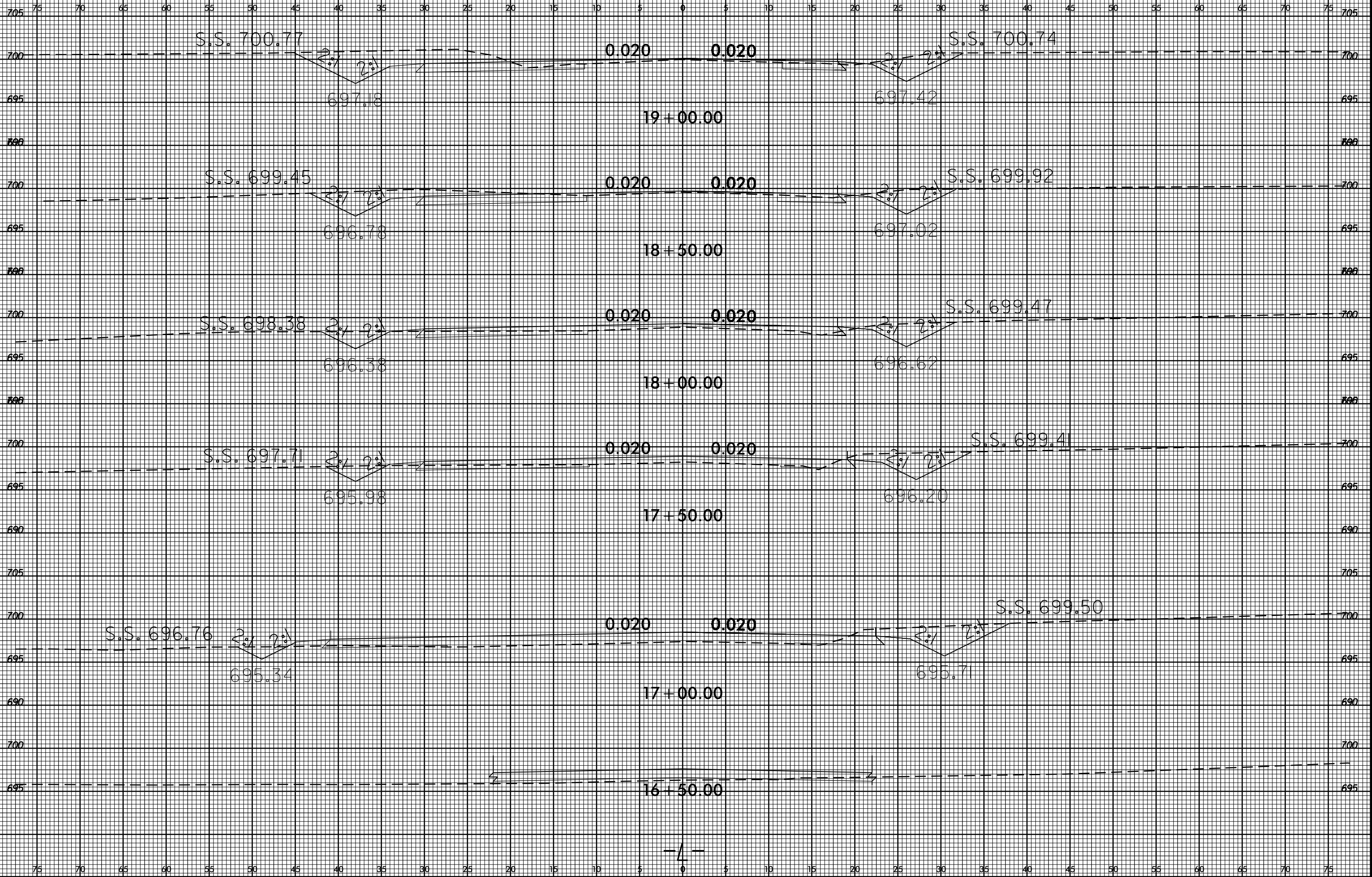
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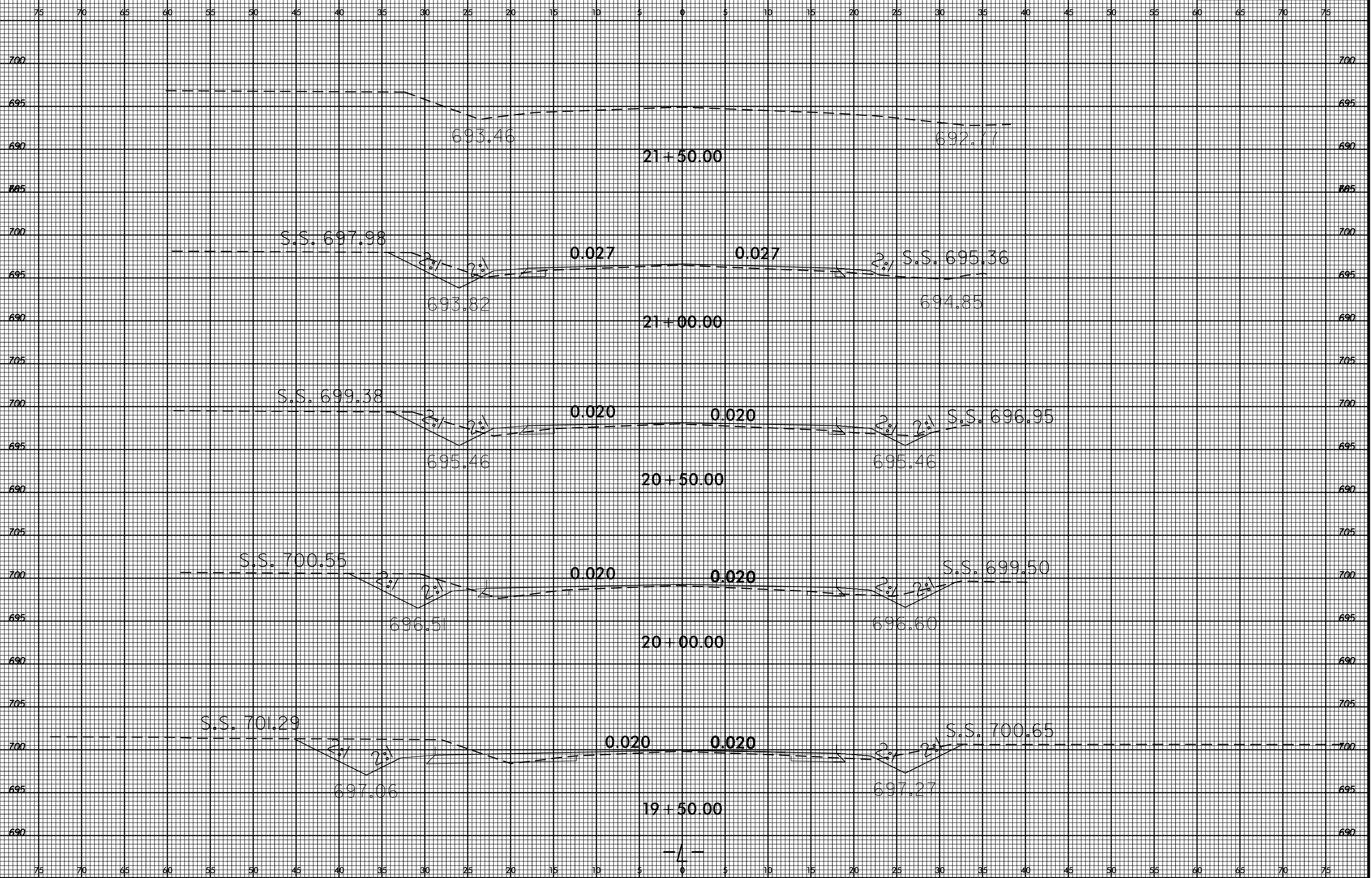


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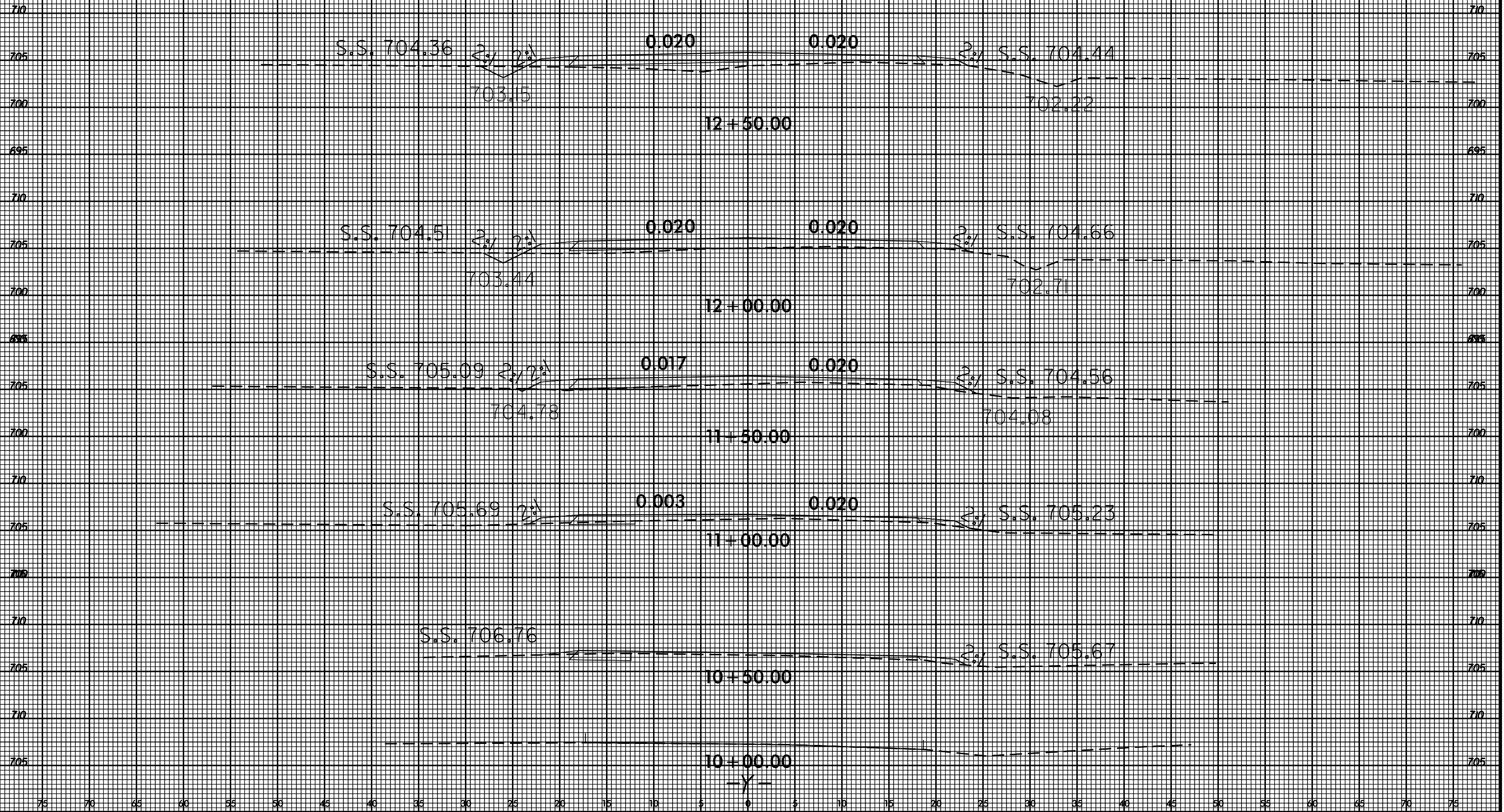
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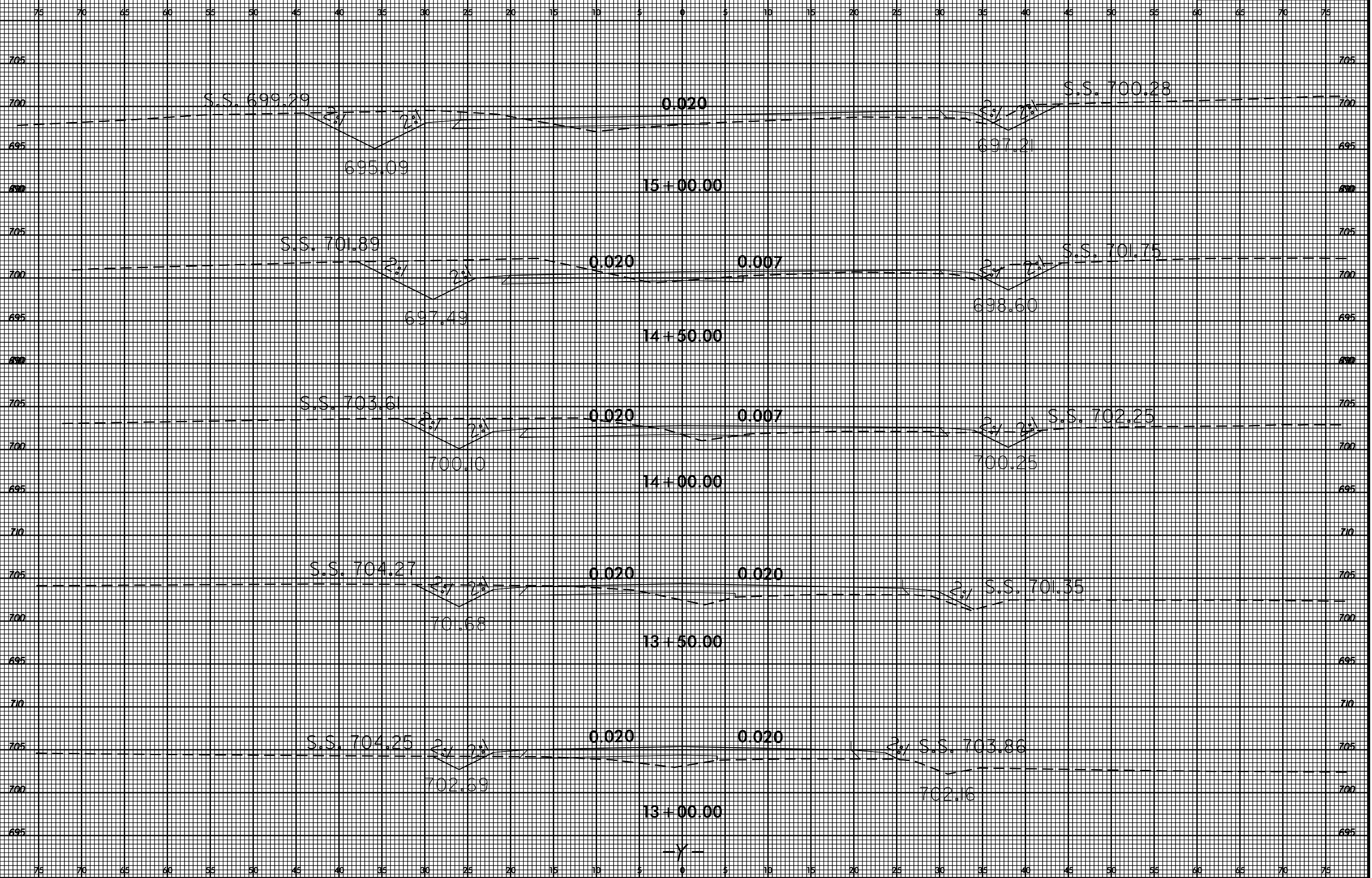
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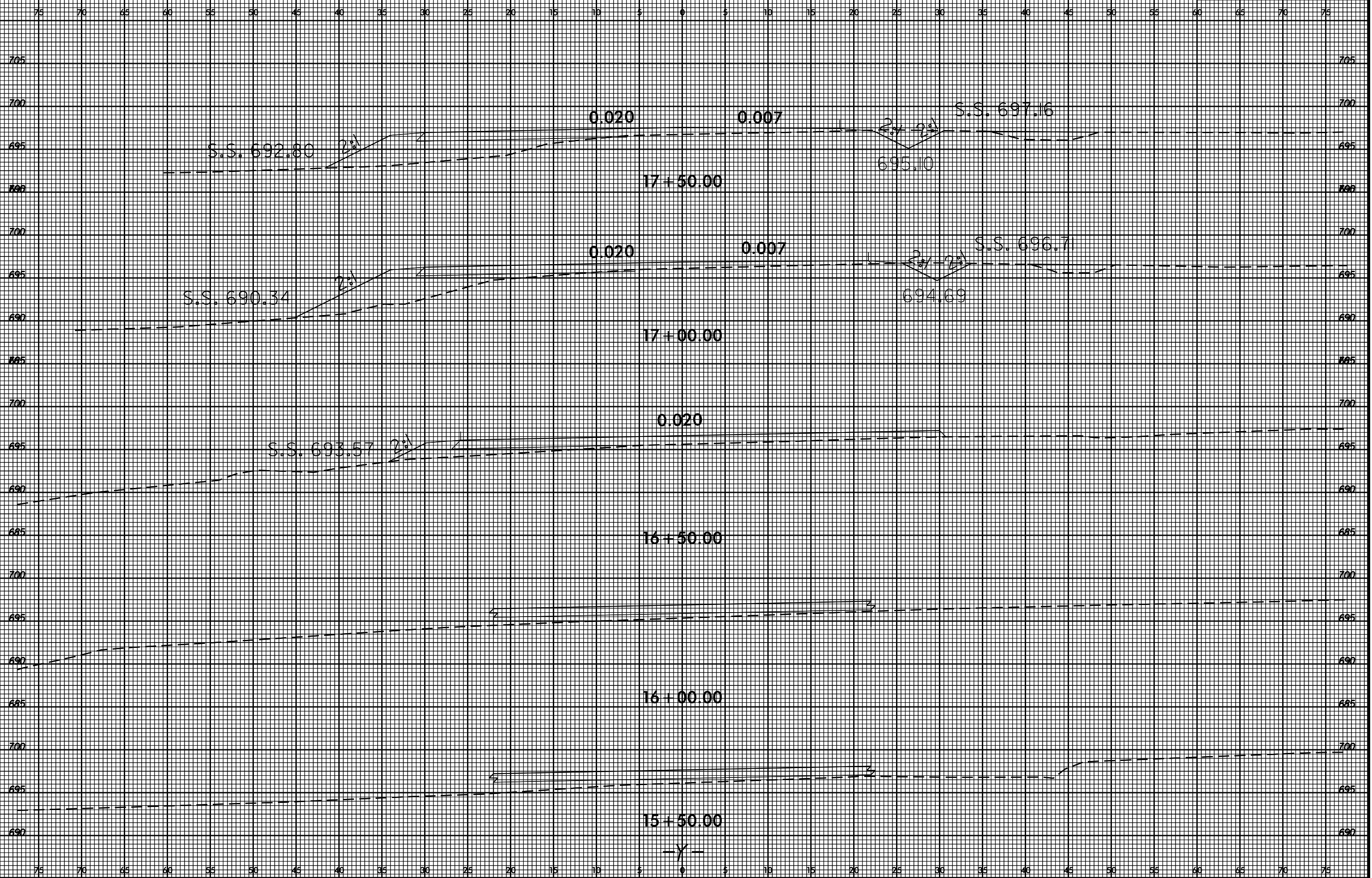


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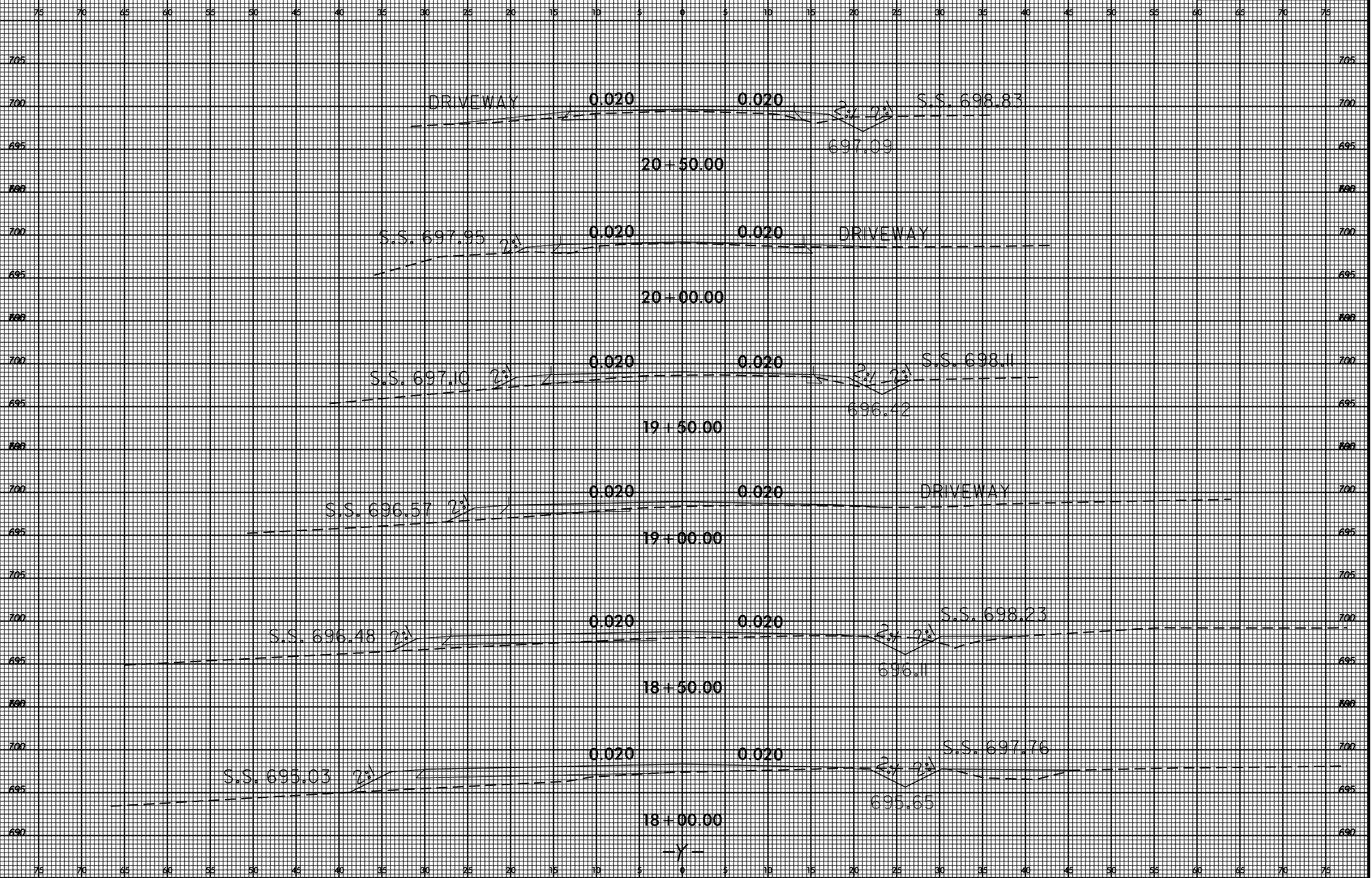






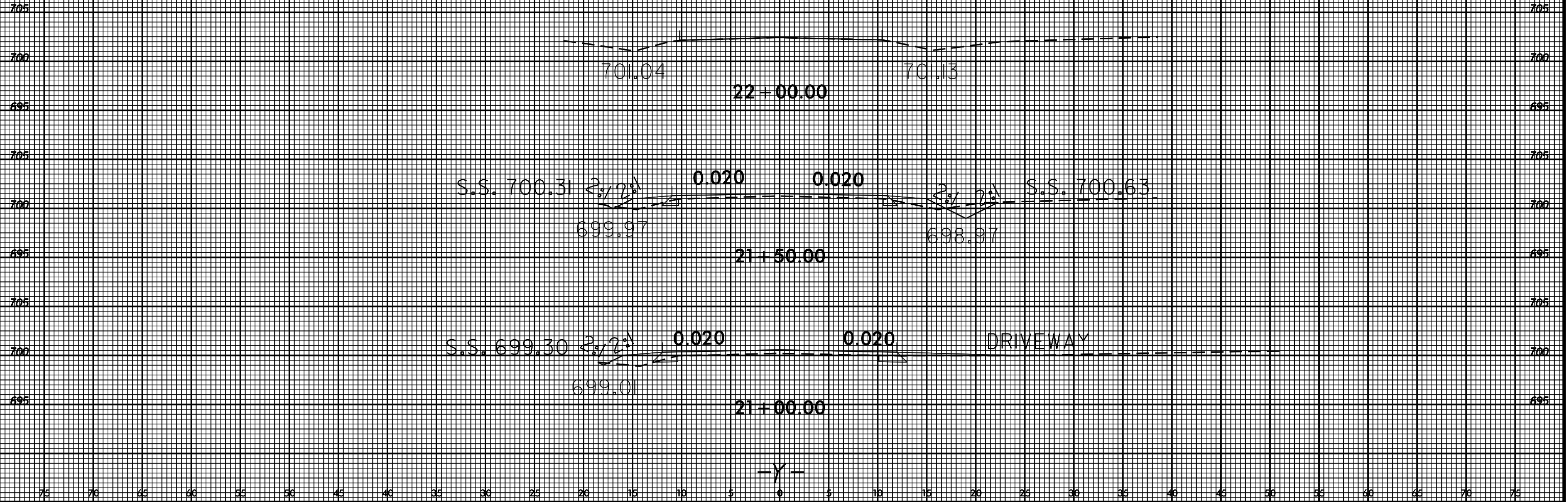
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