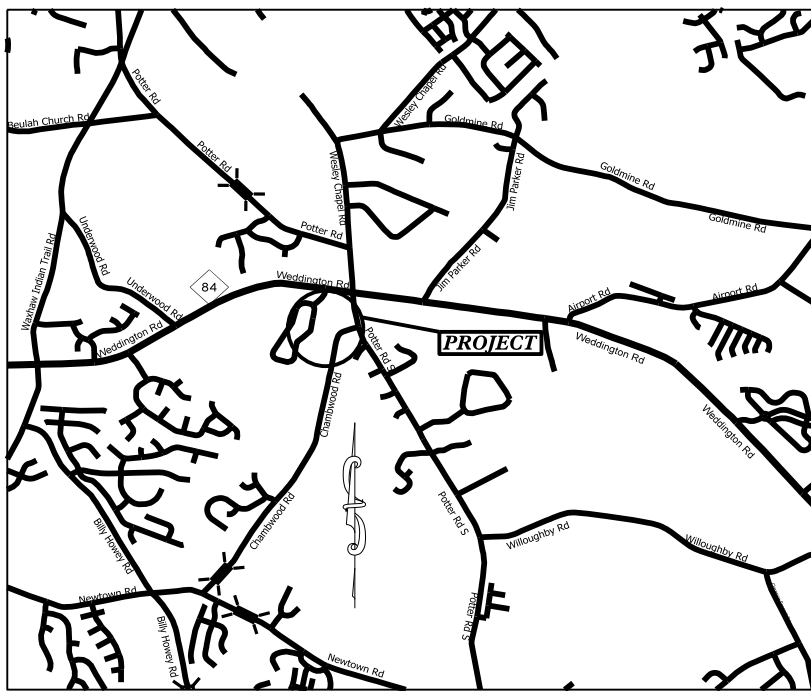


PROJECT: 49287.3.1 TIP: SM-5710P

STATE	STATE PROJECT REFERENCE NO.	SHEET NO.	TOTAL SHEETS
N.C.	49287.3.1	1	
STATE PROJ. NO.	F.A. PROJ. NO.	DESCRIPTION	
49287.1.1		P.E.	
49287.2.1		R/W	
49287.3.1		CONST.	

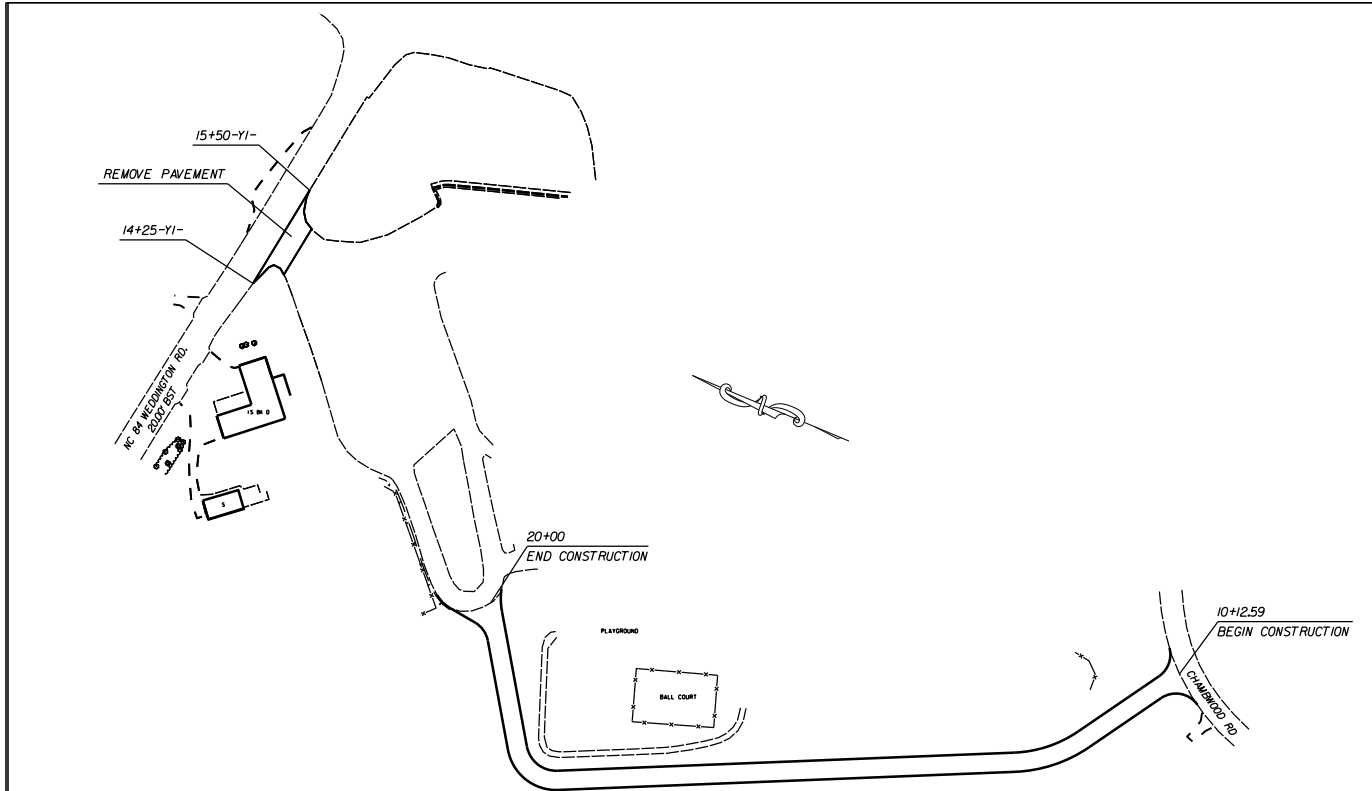


VICINITY MAP NOT TO SCALE

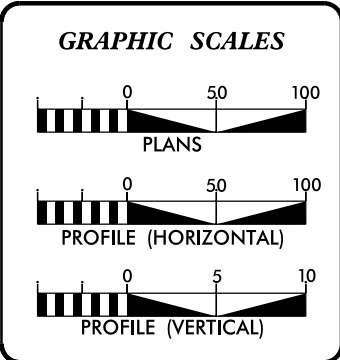
STATE OF NORTH CAROLINA
DIVISION OF HIGHWAYS
UNION COUNTY

LOCATION: NEW DRIVEWAY FOR WESLEY CHAPEL ELEMENTARY SCHOOL
AT CHAMBWOOD RD.

TYPE OF WORK: GRADING, PAVING, DRAINAGE, PAVEMENT REMOVAL,
AND PAINT PAVEMENT MARKINGS



CLEARING ON THIS PROJECT SHALL BE TO THE LIMITS ESTABLISHED BY METHOD III AS DESCRIBED IN THE NCDOT STANDARD DRAWINGS



DESIGN DATA

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

PROJECT LENGTH

LENGTH OF ROADWAY PROJECT	SM-5710P	=	0.19	MILES
TOTAL LENGTH OF STATE PROJECT	SM-5710P	=	0.19	MILES

Prepared In the Office of:
DIVISION OF HIGHWAYS
DIVISION TEN
DIVISION DESIGN / CONSTRUCT UNIT

2018 STANDARD SPECIFICATIONS

RIGHT OF WAY DATE:	DONALD HARWARD PROJECT ENGINEER
LETTING DATE:	TRAVIS LOWDER PROJECT DESIGN ENGINEER



ROADWAY DESIGN ENGINEER

SEAL
034357
ENGINEER

DESIGNED BY:
Travis Lowder
C043C446AE6042C...

SIGNATURE

PROJECT NO.	SHEET NO.
49287.3.I	IA
F.A. PROJECT NO.	

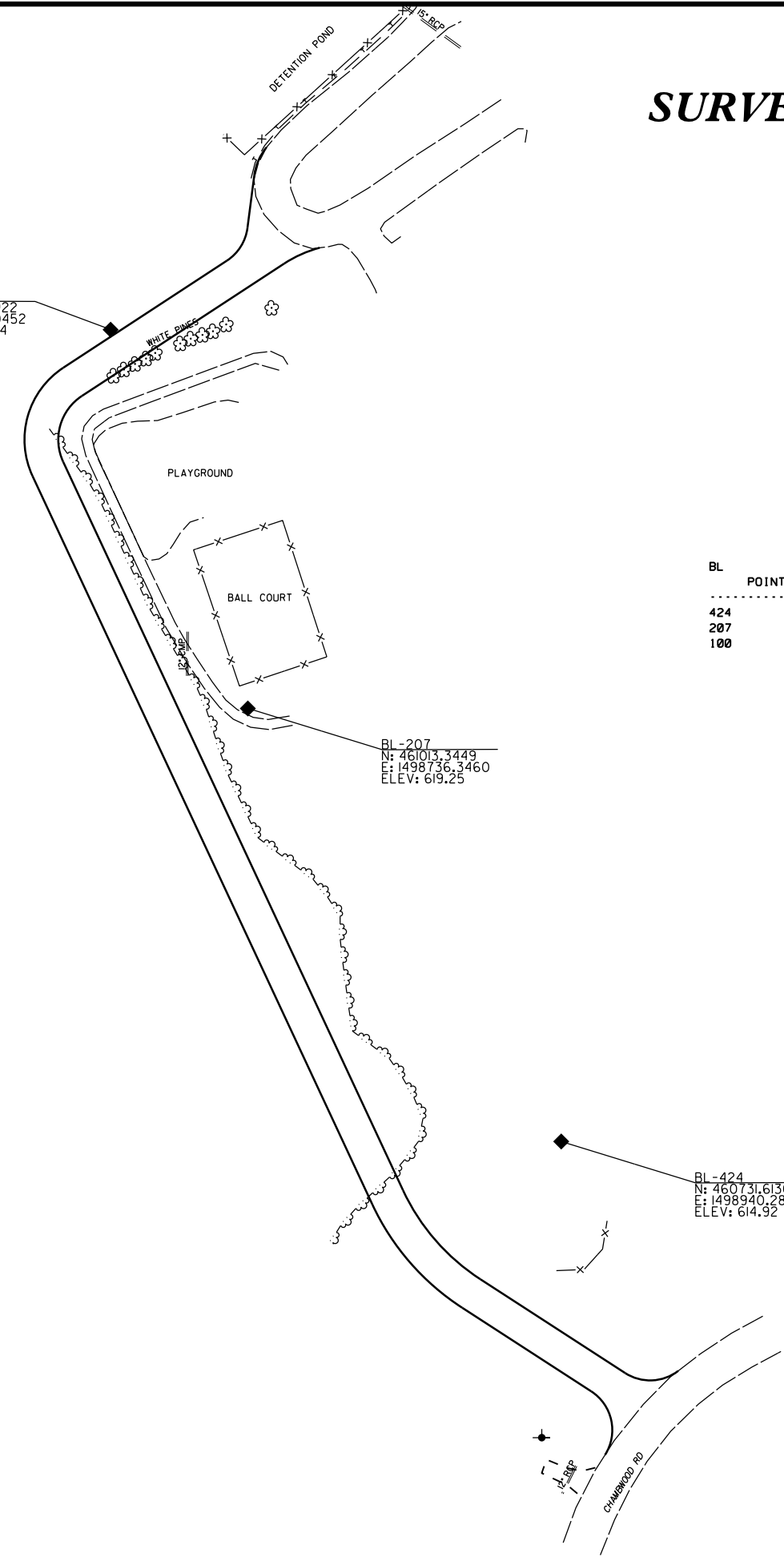
SURVEY CONTROL SHEET



BL-100
 N: 461259.7922
 E: 1498647.0452
 ELEV: 622.04

BL-207
 N: 461013.3449
 E: 1498736.3460
 ELEV: 619.25

BL-424
 N: 460731.6130
 E: 1498940.2821
 ELEV: 614.92

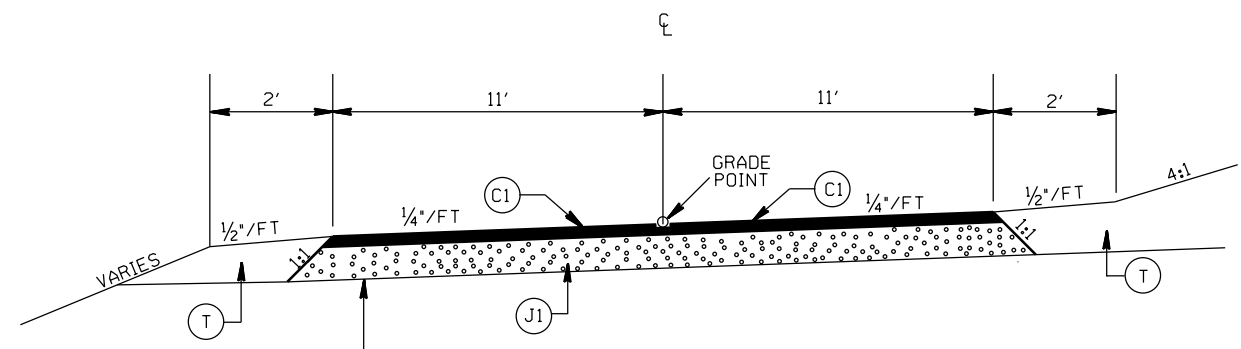
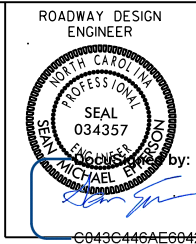


BL	POINT	DESC.	NORTH	EAST	ELEVATION	L STATION	OFFSET
424			460731.6130	1498940.2821	614.92	11+65.57	114.50 RT
207			461013.3449	1498736.3460	619.25	15+56.50	52.01 RT
100			461259.7922	1498647.0452	622.04	18+56.25	14.83 LT

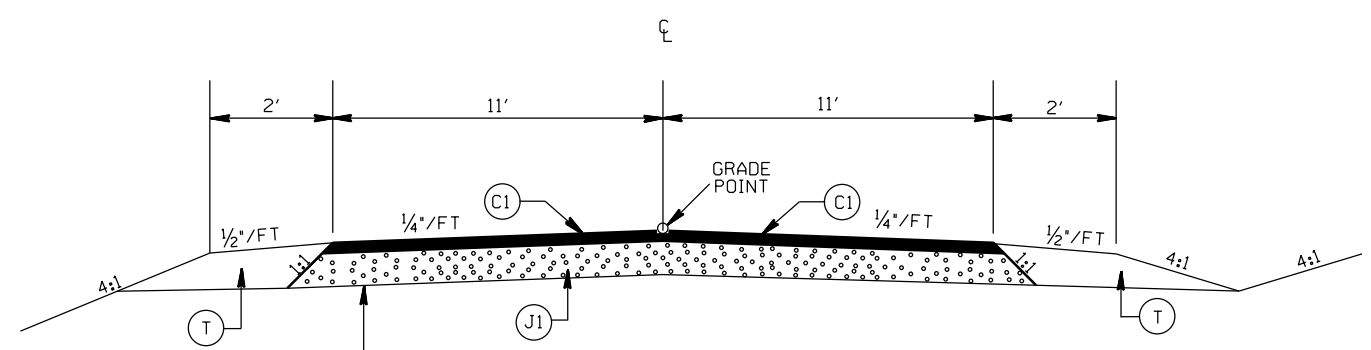
DRIVEWAY AT
 WESLEY CHAPEL
 ELEMENTARY SCHOOL

SCALE	N/A		REVISIONS
DATE	9-2020		
DWG. BY	TBL		
DESIGN BY	TBL		
APPROVED	JDH		

PROJECT NO.	SHEET NO.
32987.3.I	2
F.A. PROJECT NO.	



TYPICAL SECTION NO. 2
 -L-
 STA. 16+00 TO 20+00



TYPICAL SECTION NO. 1
 -L-
 STA. 10+00 TO 16+00

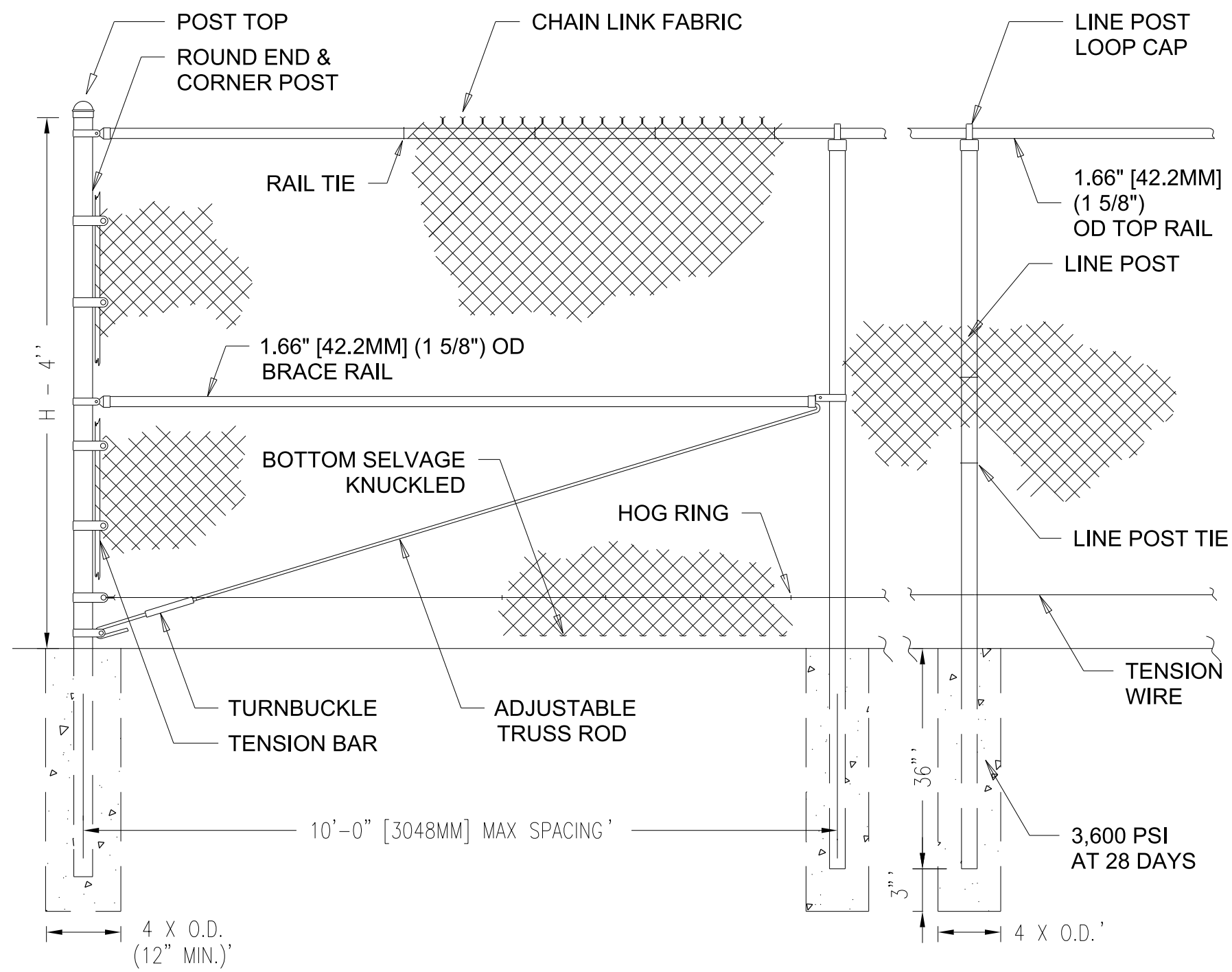
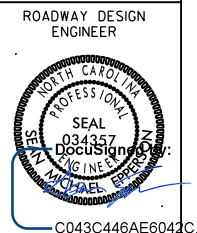
PAVEMENT SCHEDULE

(C1)	PROP. APPROX. 2 1/2" ASPHALT CONC. SURFACE COURSE, TYPE S9.5B, AT AN AVERAGE RATE OF 140 LBS. PER SQ. YD. IN EACH OF TWO LAYERS
(J1)	PROP. APPROX. 8" AGGREGATE BASE COURSE (ABC)
(T)	EARTH MATERIAL

DRIVEWAY AT
 WESLEY CHAPEL
 ELEMENTARY SCHOOL

SCALE	N/A		REVISIONS
DATE	4-2020		
DWG. BY	TBL		
DESIGN BY	TBL		
APPROVED	JDH		

PROJECT NO.	SHEET NO.
32987.3.I	2A
F.A. PROJECT NO.	



4' CHAIN LINK FENCE

DRIVEWAY AT WESLEY CHAPEL ELEMENTARY SCHOOL			REVISIONS
SCALE	N/A		
DATE	2-2021		
DWG. BY	JCB		
DESIGN BY	JDH		
APPROVED	JDH		

STATE OF NORTH CAROLINA
DIVISION OF HIGHWAYS

SUB-REGIONAL & REGIONAL

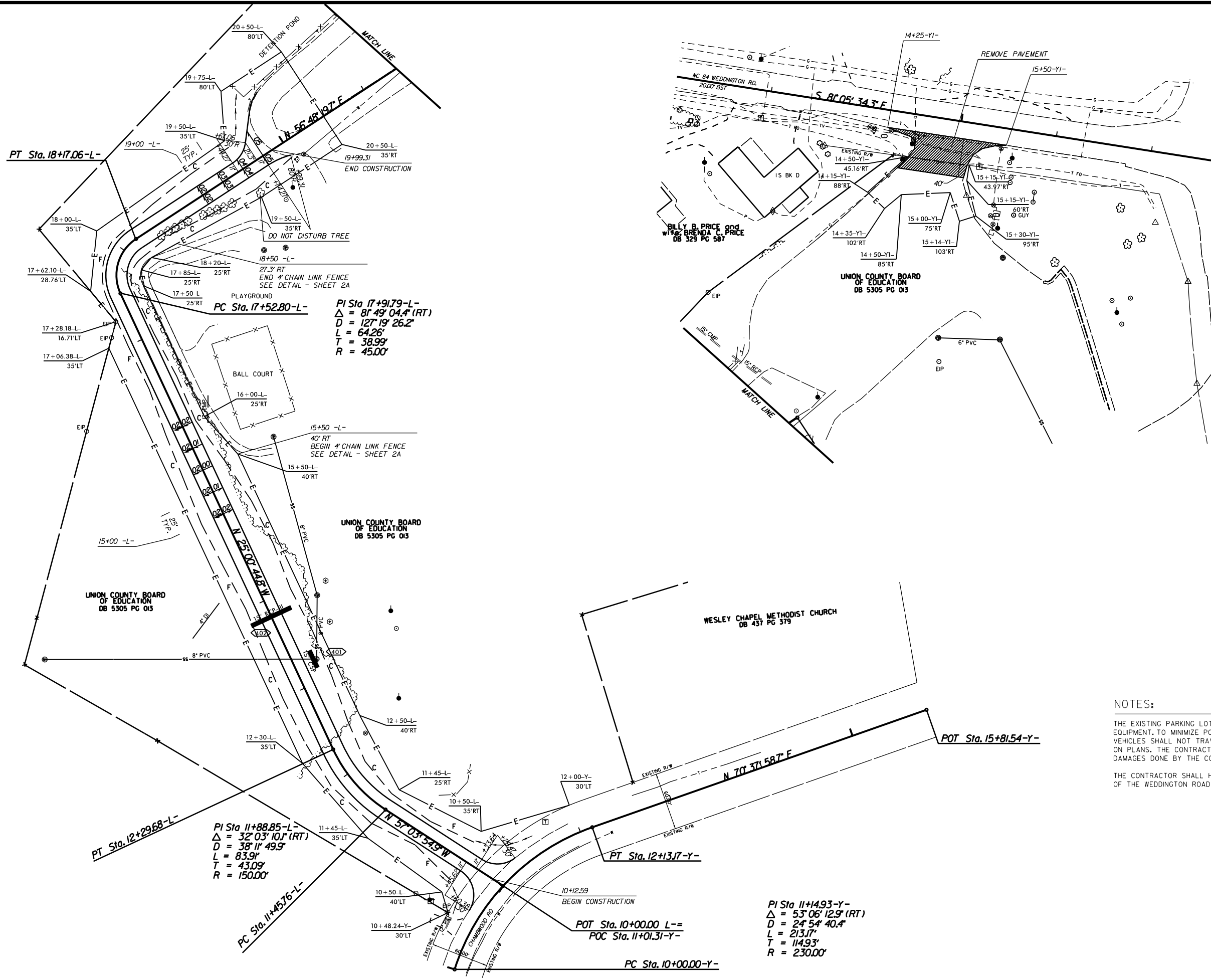
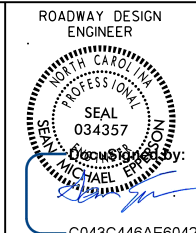
LIST OF PIPES, ENDWALLS, ETC. (FOR PIPES 48" & UNDER)

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".

Table with columns for Station, Location, Structure No., Top Elevation, Invert Elevation, Slope Critical, Drainage Pipe, C.S. Pipe, R.C. Pipe (Class III), R.C. Pipe (Class IV), Endwalls, Quantities, Frame, Grates, and Hoop, Concrete Transitional Section, Catch Basin, Drop Inlet, Frame, Grates and Hoop Standard, Type of Grate, Conc. & Brick Pipe Plug, C.Y. Std., Conc. Collars, Conc. Steel Elbows, and Remarks. Includes an abbreviations list on the right side.

- ABBREVIATIONS
C.B. CATCH BASIN
N.D.I. NARROW DROP INLET
D.I. DROP INLET
G.D.I. GRATED DROP INLET
G.D.I. (N.S.) GRATED DROP INLET (NARROW SLOT)
J.B. JUNCTION BOX
M.H. MANHOLE
T.B.D.I. TRAFFIC BEARING DROP INLET
T.B.J.B. TRAFFIC BEARING JUNCTION BOX

PROJECT NO.	SHEET NO.
49287.3J	4
F.A. PROJECT NO.	




NOTES:

THE EXISTING PARKING LOT AND ENTRANCE MAY NOT WITHSTAND USE BY CONSTRUCTION EQUIPMENT. TO MINIMIZE POTENTIAL DAMAGE TO EXISTING PARKING LOT, EQUIPMENT AND VEHICLES SHALL NOT TRAVEL BEYOND TEMPORARY CONSTRUCTION EASEMENT SHOWN ON PLANS. THE CONTRACTOR WILL BE RESPONSIBLE FOR REPAIRS, AT HIS COST, FOR DAMAGES DONE BY THE CONTRACTOR'S OR SUBCONTRACTORS EQUIPMENT AND VEHICLES.

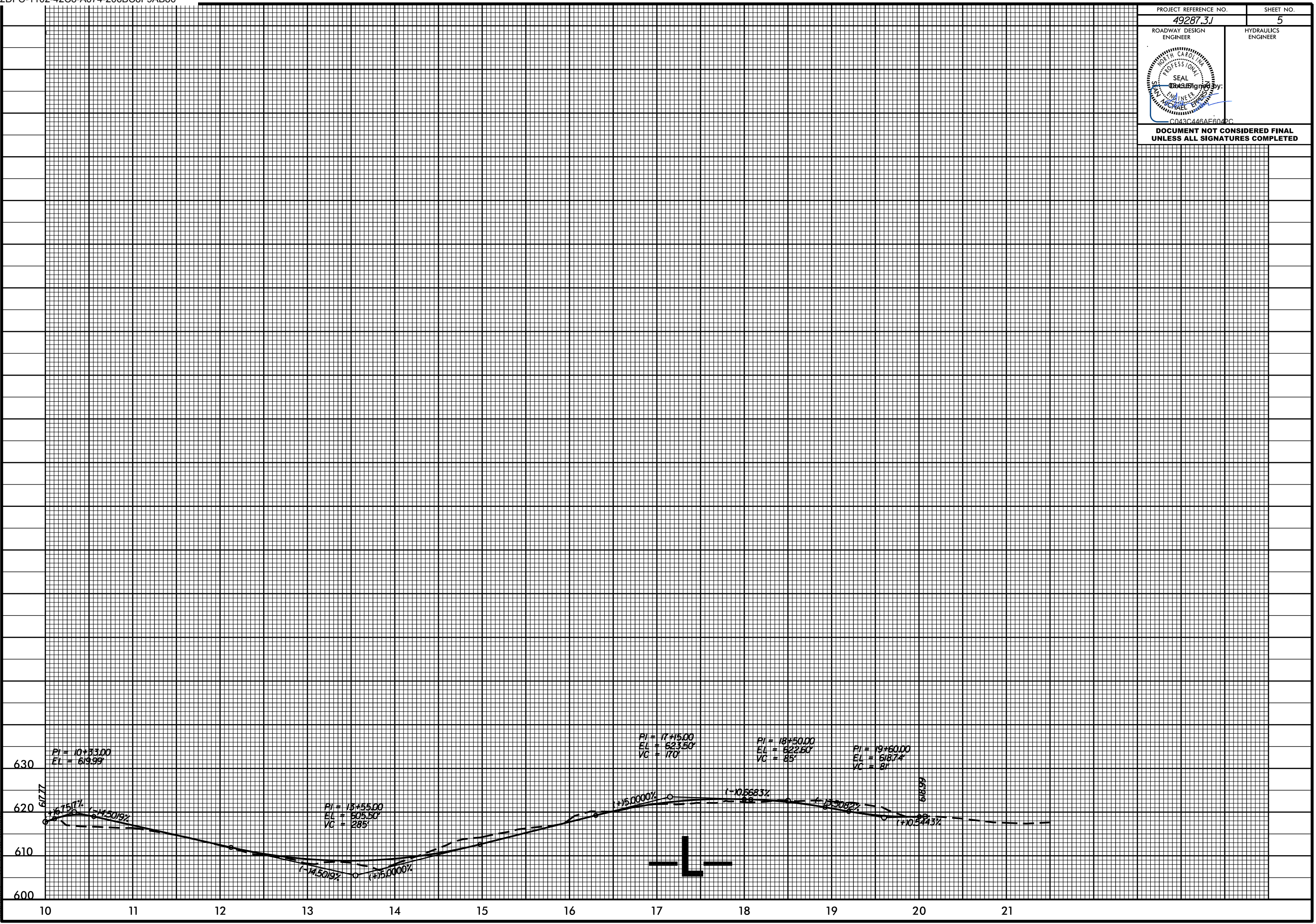
THE CONTRACTOR SHALL HAVE THE NEW DRIVE FULL OPERATIONAL PRIOR TO THE CLOSING OF THE WEDDINGTON ROAD ENTRANCE.

DRIVEWAY AT WESLEY CHAPEL ELEMENTARY SCHOOL			REVISIONS
SCALE	r=50'		
DATE	2-2021		
DWG. BY	TBL		
DESIGN BY	TBL		
APPROVED	JDH		

5/14/99

PROJECT REFERENCE NO. 49287.31	SHEET NO. 5
ROADWAY DESIGN ENGINEER	HYDRAULICS ENGINEER
	
DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED	

I:\MAR-2001\547 S:\UNC\RDY\Union\SM-5710P\Wesley Chapel Elementary School\pf1\SM-5710P_Wesley Chapel_Elem_School.pfl L.dgn



TIP PROJECT: SM-5710P

STATE OF NORTH CAROLINA
DIVISION OF HIGHWAYS

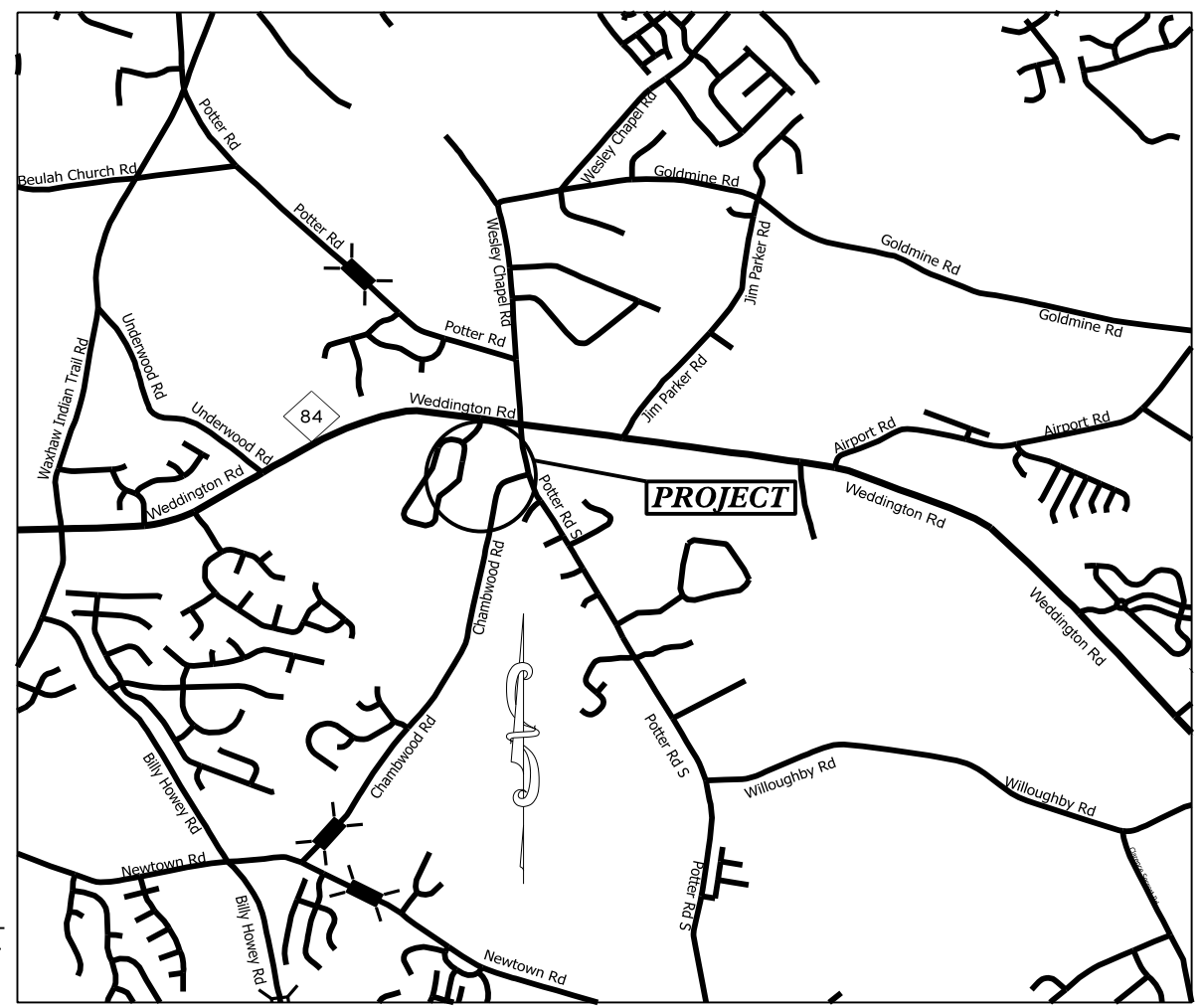
**PLAN FOR PROPOSED
HIGHWAY EROSION CONTROL**

STATE	STATE PROJECT REFERENCE NO.	SHEET NO.	TOTAL SHEETS
N.C.	SM-5710P	EC-1	
STATE PROJ. NO.	F.A. PROJ. NO.	DESCRIPTION	
49287.1.1		P.E.	
49287.2.1		R/W	
49287.3.1		CONST.	

EROSION AND SEDIMENT CONTROL MEASURES

Std. #	Description	Symbol
1630.03	Temporary Silt Ditch	---
1630.05	Temporary Diversion	TD
1605.01	Temporary Silt Fence	
1606.01	Special Sediment Control Fence	
1622.01	Temporary Berms and Slope Drains	T
1630.02	Silt Basin Type B	▨
1633.01	Temporary Rock Silt Check Type-A	▨
	Temporary Rock Silt Check Type-A with Matting and Polyacrylamide (PAM)	▨
1633.02	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	U
1635.02	Rock Pipe Inlet Sediment Trap Type-B	U
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.



INSTALL PERIMETER EROSION CONTROL MEASURES DURING INITIAL CLEARING PHASE

VICINITY MAP NOT TO SCALE

GRAPHIC SCALE

0
PLANS

0
PROFILE (HORIZONTAL)

0
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 APRIL 1, 2019
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:
TRAVIS LOWDER 3742
NAME LEVEL III CERTIFICATION NO.

Roadway Standard Drawings

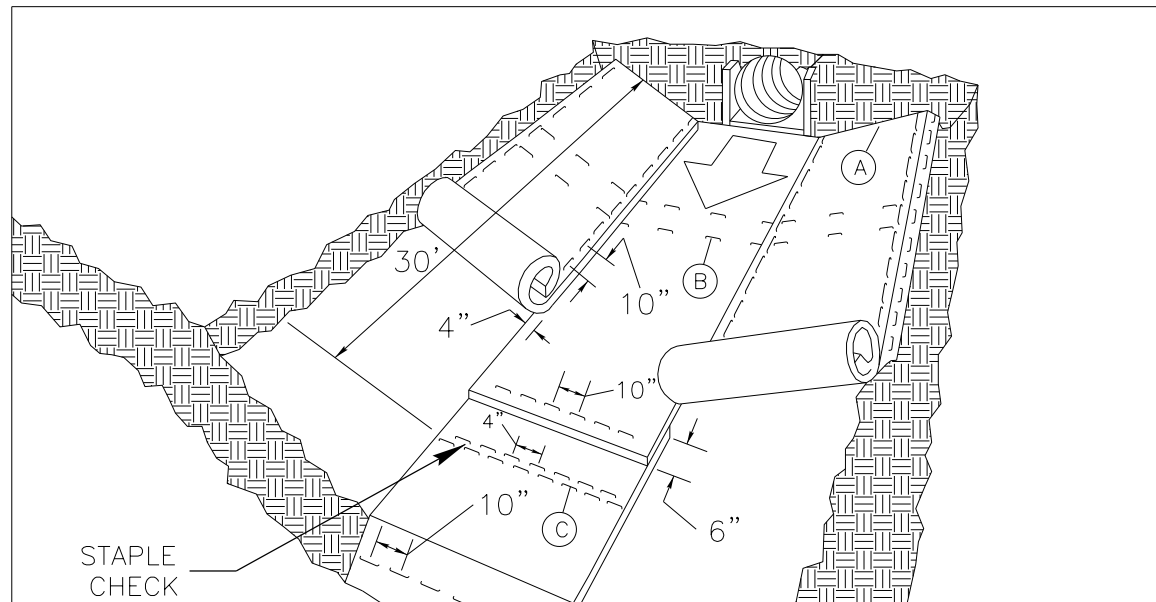
The following roadway english standards as appear in "Roadway Standard Drawings"- Roadway Design Unit - N. C. Department of Transportation - Raleigh, N. C., dated January 2018 and the latest revision thereto are applicable to this project and by reference hereby are considered a part of these plans.

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 A	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

U:\MIS-2020\1428...ey Chapel Elem\163008\erosion\SM-5710P_Wesley Chapel Elem_School.ec.tsh.dgn

PROJECT REFERENCE NO. 49287.3.1	SHEET NO. EC-2
RW SHEET NO.	
ROADWAY DESIGN ENGINEER	HYDRAULICS ENGINEER

MATTING INSTALLATION DETAIL



MATTING IN DITCHES

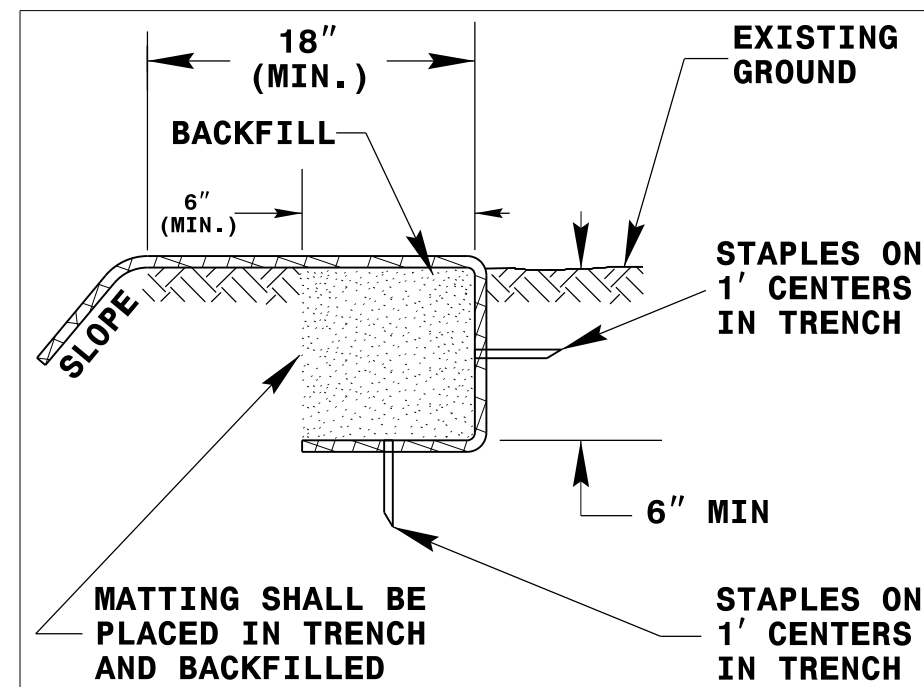
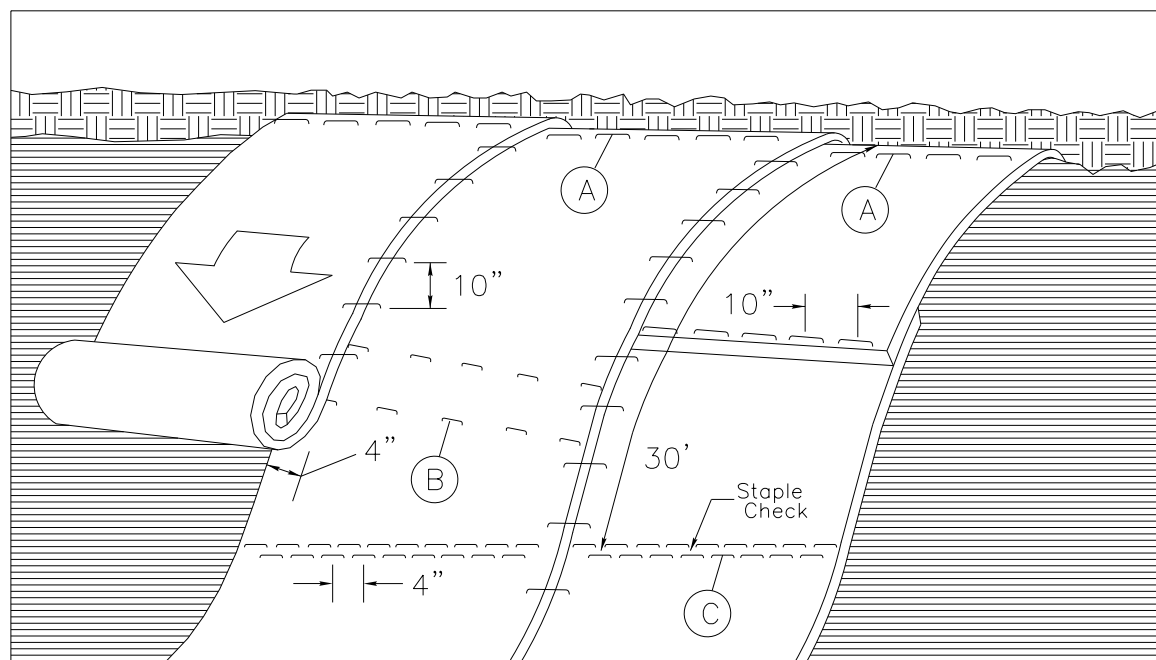


DIAGRAM (A)



MATTING ON SLOPES

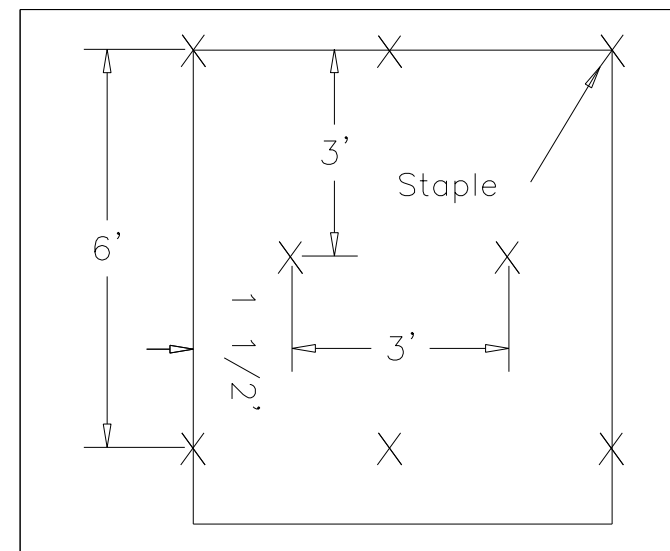


DIAGRAM (B)

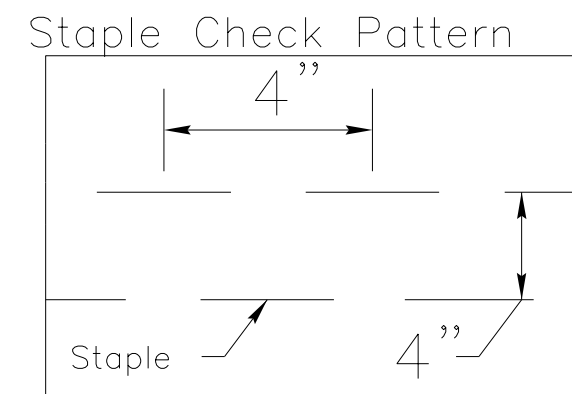


DIAGRAM (C)

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

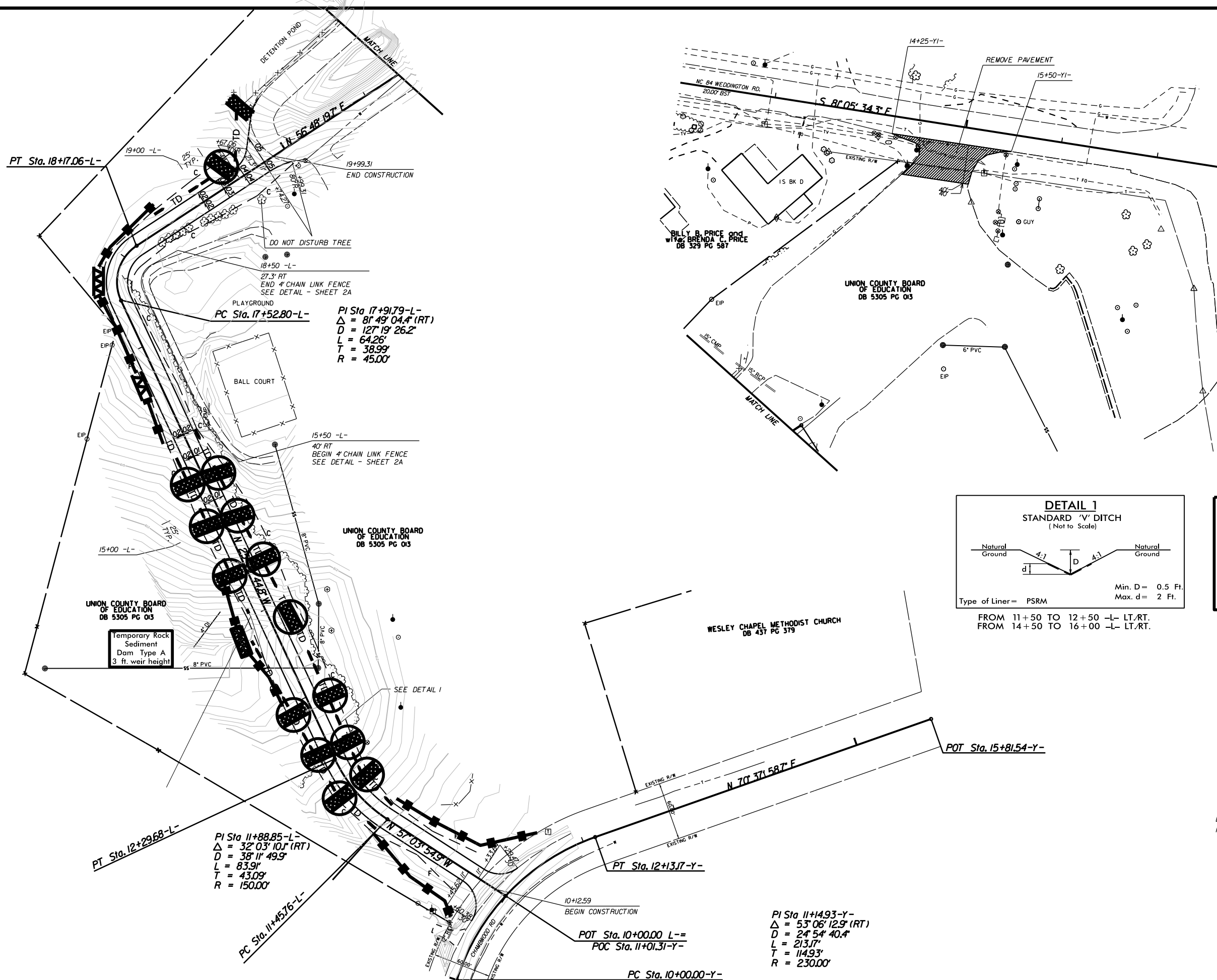
DIVISION OF HIGHWAYS
STATE OF NORTH CAROLINA

PROJECT REFERENCE NO. 49287.3.1	SHEET NO. EC-3
ROADWAY DESIGN ENGINEER	HYDRAULICS ENGINEER

SOIL STABILIZATION TIMEFRAMES

<i>SITE DESCRIPTION</i>	<i>STABILIZATION TIME</i>	<i>TIMEFRAME EXCEPTIONS</i>
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.

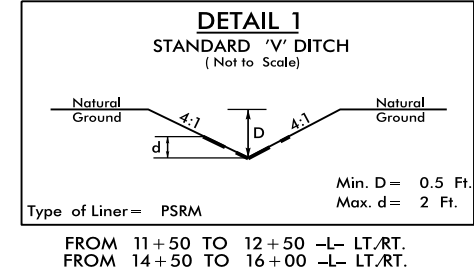
PROJECT NO.	SHEET NO.
49287.3.I	EC-4
F.A. PROJECT NO.	



PC Sta. 17+52.80-L-
 PI Sta 17+91.79-L-
 $\Delta = 81^{\circ} 49' 04.4''$ (RT)
 $D = 127' 19' 26.2''$
 $L = 64.26'$
 $T = 38.99'$
 $R = 45.00'$

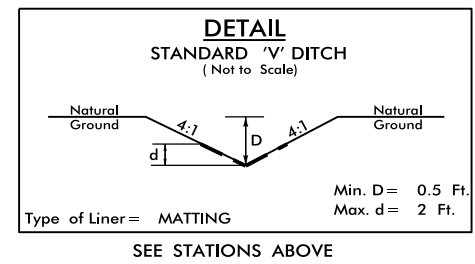
PT Sta. 12+29.68-L-
 PI Sta 11+88.85-L-
 $\Delta = 32^{\circ} 03' 10.1''$ (RT)
 $D = 38' 11' 49.9''$
 $L = 83.9'$
 $T = 43.09'$
 $R = 150.00'$

PI Sta 11+1493-Y-
 $\Delta = 53^{\circ} 06' 12.9''$ (RT)
 $D = 24' 54' 40.4''$
 $L = 213.7'$
 $T = 114.93'$
 $R = 230.00'$



INSTALL MATTING FOR EROSION CONTROL IN THE PROPOSED DITCH LINE.
 SEE SHEET EC-2

STA. 12+50 -L- RT TO 13+00 -L- RT
 STA. 12+50 -L- LT TO 13+00 -L- LT
 STA. 14+00 -L- RT TO 14+50 -L- RT
 STA. 18+50 -L- LT TO 19+50 -L- LT

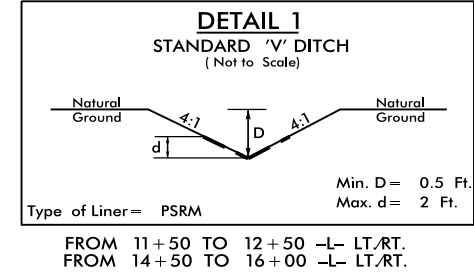
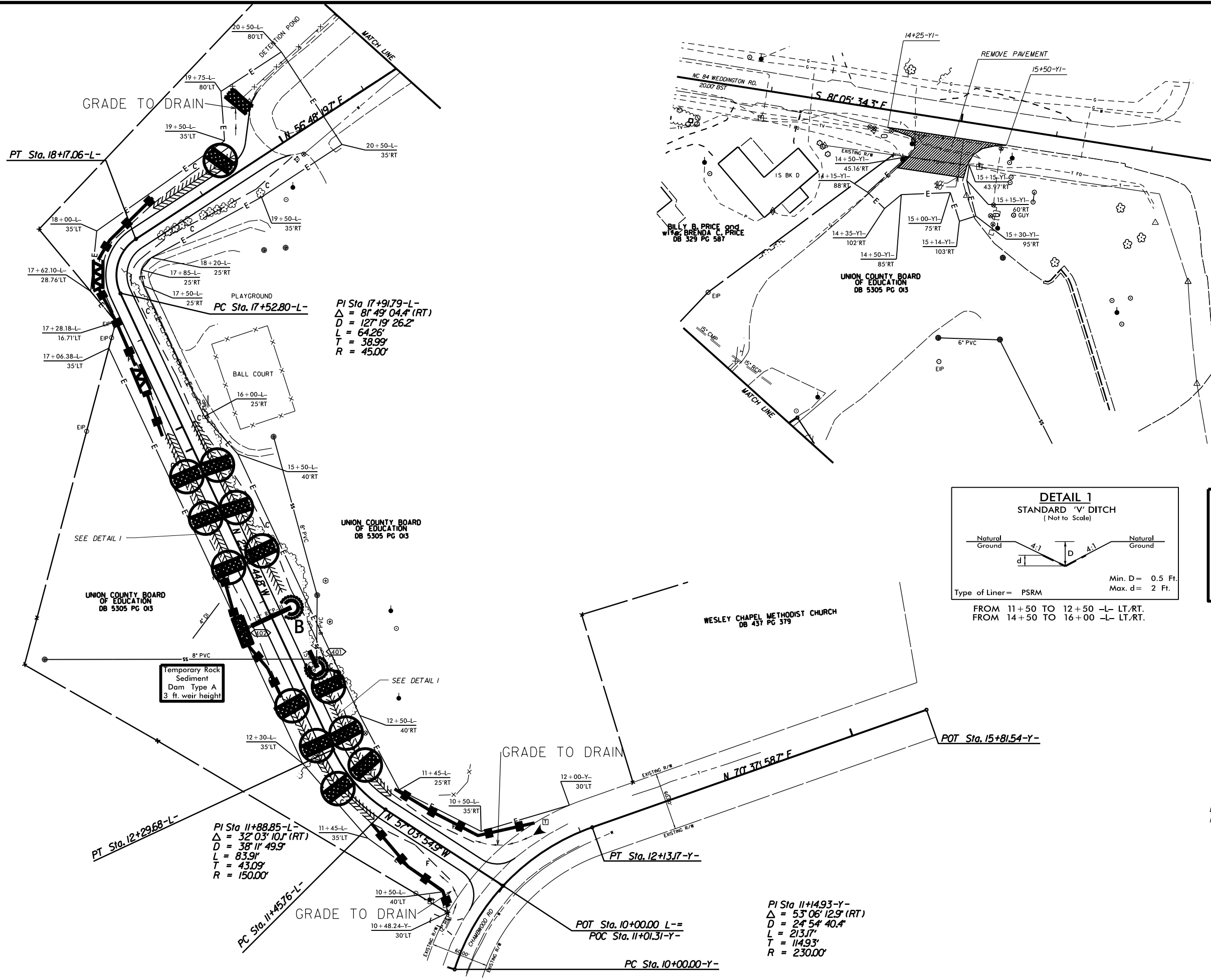


EROSION CONTROL MEASURES MAY BE CHANGED IN FIELD AS DIRECTED BY THE ENGINEER

DRIVEWAY AT WESLEY CHAPEL ELEMENTARY SCHOOL

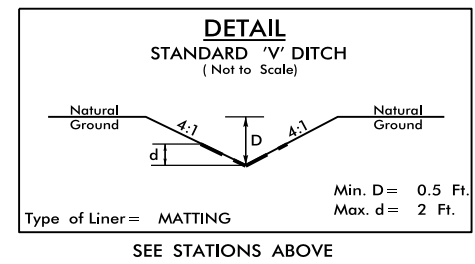
SCALE	1"=50'		REVISIONS
DATE	2-2021		
DWG. BY	TBL		
DESIGN BY	TBL		
APPROVED	JDH		

PROJECT NO.	SHEET NO.
49287.3J	EC-4A
F.A. PROJECT NO.	



INSTALL MATTING FOR EROSION CONTROL IN THE PROPOSED DITCH LINE.
SEE SHEET EC-2

STA. 12+50 -L- RT TO 13+00 -L- RT
STA. 12+50 -L- LT TO 13+00 -L- LT
STA. 14+00 -L- RT TO 14+50 -L- RT
STA. 18+50 -L- LT TO 19+50 -L- LT



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

DRIVEWAY AT WESLEY CHAPEL ELEMENTARY SCHOOL

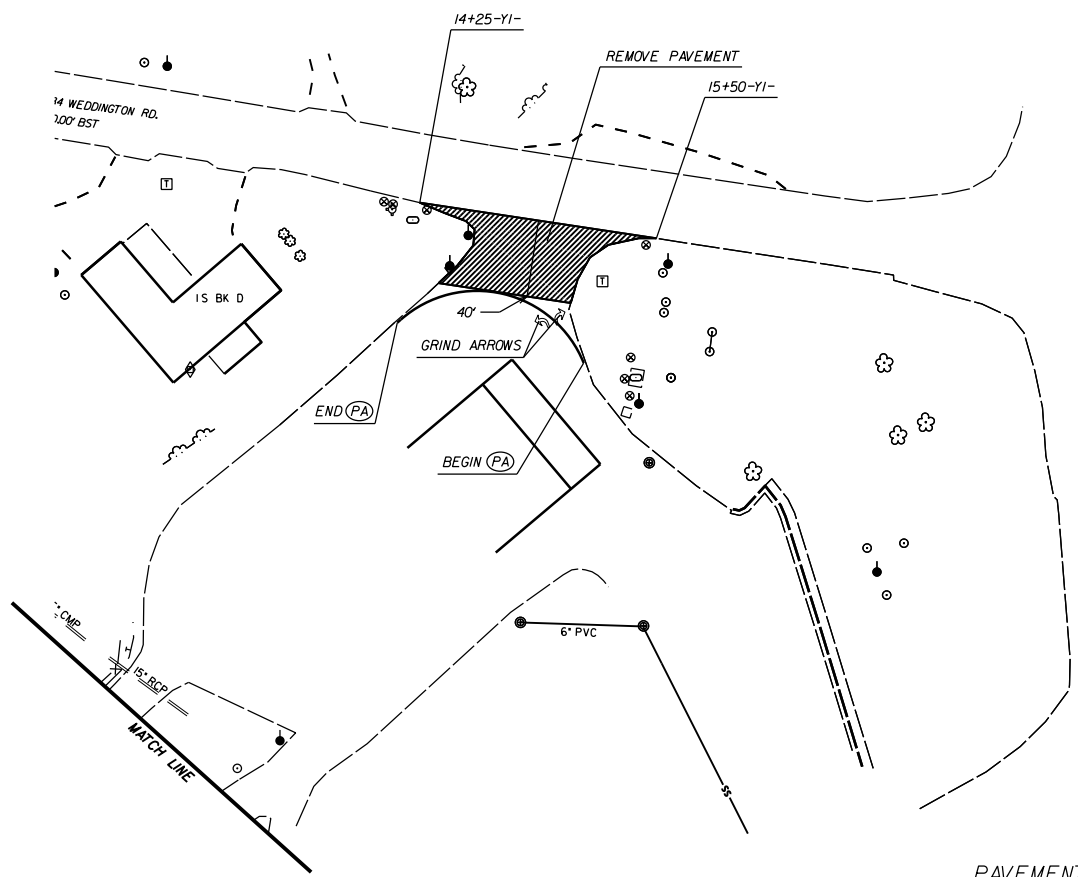
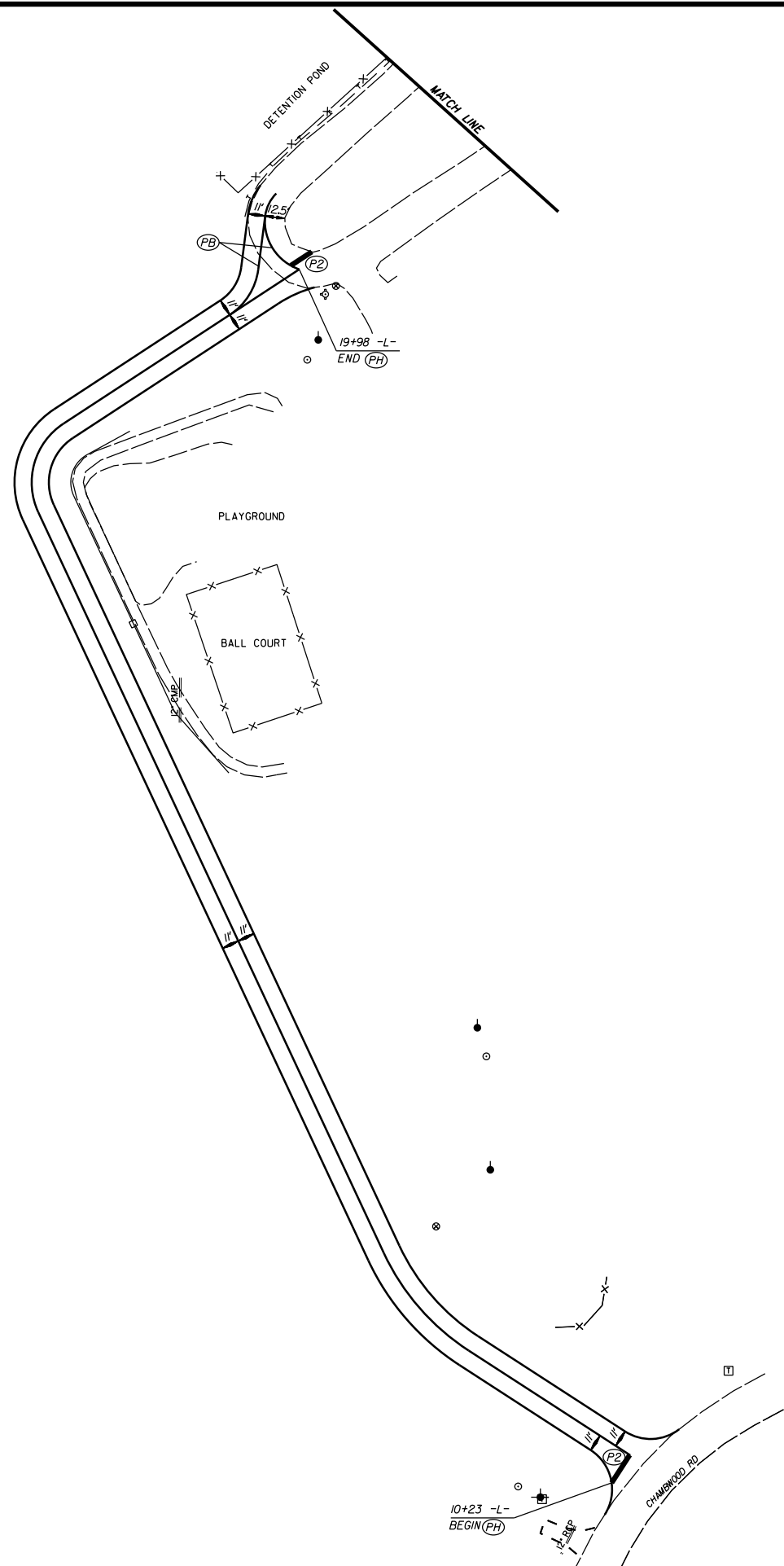
SCALE	1"=50'		REVISIONS
DATE	2-2021		
DWG. BY	TBL		
DESIGN BY	TBL		
APPROVED	JDH		

PROJECT NO.	SHEET NO.
49287.3.I	PMP-1
F.A. PROJECT NO.	

ROADWAY DESIGN ENGINEER

DocuSign by: MICHAEL

C043C446AE6042C



PAVEMENT MARKING SCHEDULE

PAINT PAVEMENT MARKING LINES

- | | |
|---------------------------------------|---|
| PA - WHITE EDGELINE (4') | PU - WHITE DIAGONAL (12') |
| PB - YELLOW EDGELINE (4') | PV - YELLOW DIAGONAL (12') |
| PC - 10FT. WHITE SKIP (4') | PI - WHITE LINE, RR X (16') |
| PD - 3FT.-9FT./SP WHITE MINISKIP (4') | P2 - WHITE STOPBAR (24') |
| PE - WHITE SOLID LANE LINE (4') | P3 - WHITE CROSSWALK LINE (24') |
| PF - 10FT. YELLOW SKIP (4') | P6 - WHITE EDGELINE (6') |
| PH - YELLOW SINGLE CENTER (4') | P7 - YELLOW EDGELINE (6') |
| PI - YELLOW DOUBLE CENTER (4') | P8 - 2FT.-6FT./SP WHITE MINISKIP (4') |
| PJ - 10FT. WHITE SKIP (6') | P9 - 2FT.-6FT./SP YELLOW MINISKIP (4') |
| PK - 3FT.-9FT./SP WHITE MINISKIP (6') | PI0 - 3FT.-3FT./SP WHITE MINISKIP (12') (ROUNDOABOUTS ONLY) |
| PL - WHITE SOLID LANE LINE (6') | PI1 - 2FT.-6FT./SP WHITE MINISKIP (6') |
| PM - 10FT. YELLOW SKIP (6') | PI2 - 2FT.-6FT./SP YELLOW MINISKIP (6') |
| PN - WHITE GORELINE (8') | PI3 - 3FT.-9FT./SP WHITE MINISKIP (8') |
| PO - WHITE DIAGONAL (8') | PI4 - 3FT.-9FT./SP WHITE MINISKIP (12') |
| PP - YELLOW DIAGONAL (8') | PI5 - YELLOW SINGLE CENTER (6') |
| PQ - WHITE CROSSWALK LINE (8') | PI6 - YELLOW DOUBLE CENTER (6') |
| PR - WHITE SOLID LANE LINE (8') | PI7 - 3FT.-3FT./SP WHITE MINISKIP (8') (ROUNDOABOUTS ONLY) |
| PS - WHITE GORELINE (12') | |
| PT - WHITE SOLID LANE LINE (12') | |

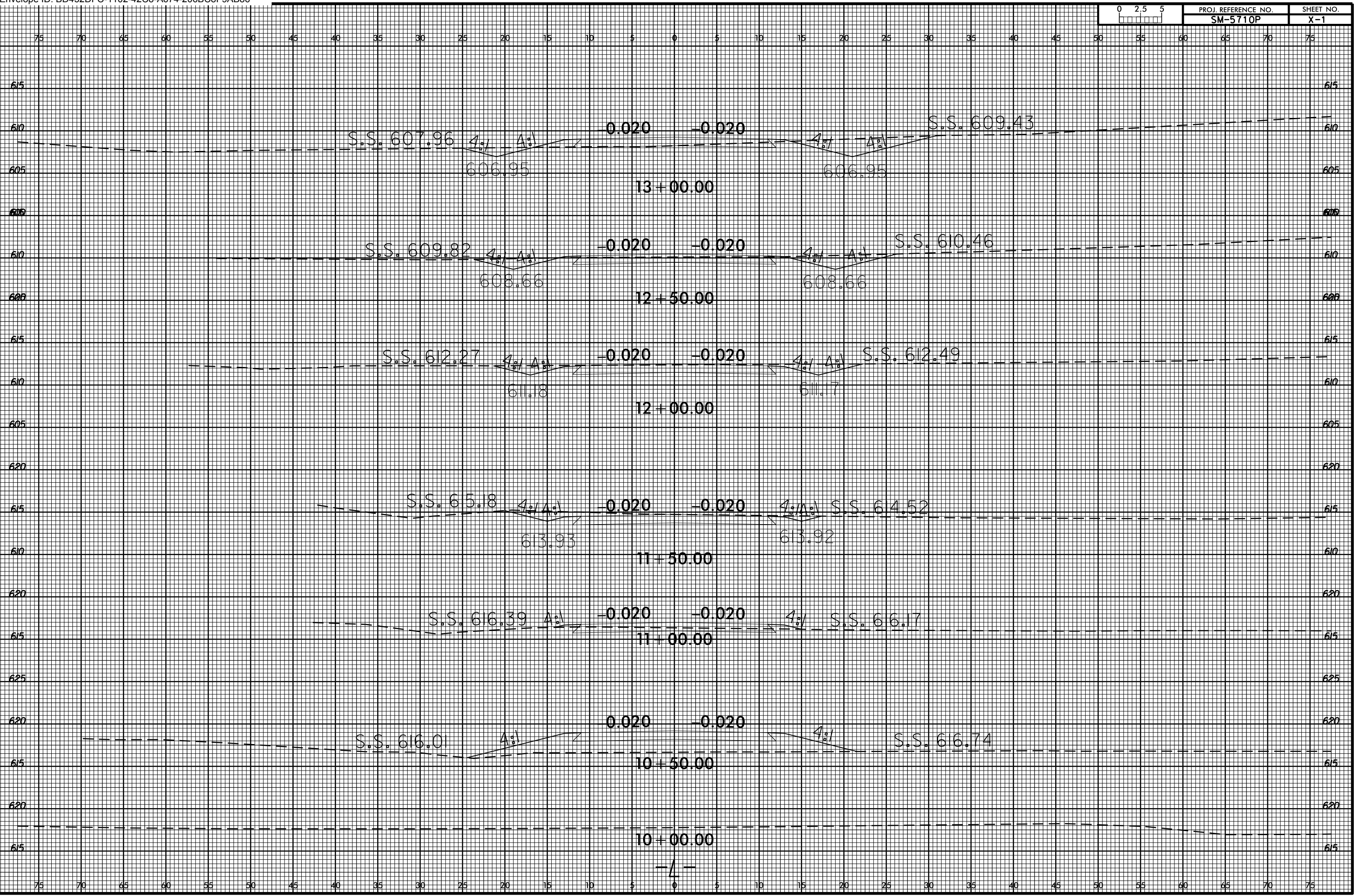
PAINT PAVEMENT MARKING SYMBOLS

- | | |
|---------------------------------------|---|
| QA - LEFT TURN ARROW | QU - FISH-HOOK STRAIGHT ARROW |
| QB - RIGHT TURN ARROW | QV - FISH-HOOK LEFT/STRAIGHT ARROW |
| QC - STRAIGHT ARROW | QW - FISH-HOOK RIGHT/STRAIGHT ARROW |
| QD - COMBO. LEFT/STRAIGHT ARROW | QX - FISH-HOOK LEFT/RIGHT ARROW |
| QE - COMBO. RIGHT/STRAIGHT ARROW | QY - FISH-HOOK LEFT/RIGHT/STRAIGHT ARROW |
| QF - COMBO. LEFT/RIGHT ARROW | QZ - FISH-HOOK W/CIRCLE STRAIGHT ARROW |
| QG - COMBO. LEFT/RIGHT/STRAIGHT ARROW | |
| QH - HANDICAP PARKING | RA - FISH-HOOK W/CIRCLE LEFT ARROW |
| QI - ALPHANUMERIC CHAR. | RB - FISH-HOOK W/CIRCLE LEFT/STRAIGHT ARROW |
| QJ - BICYCLE SYMBOL | RC - FISH-HOOK W/CIRCLE LEFT/RIGHT/STRAIGHT ARROW |
| QK - BICYCLE STRAIGHT ARROW | RD - COMBO LEFT/TURN ARROW |
| QL - BICYCLE CHAR. | |
| QM - 12" YIELD LINE TRIANGLE | |
| QN - 24" YIELD LINE TRIANGLE | |
| QO - BICYCLE LEFT ARROW | |
| QP - MERGE ARROW | |
| QQ - RAMP ARROW | |
| QR - SHARROW | |
| QS - BICYCLE LOOP DETECTOR | |
| QT - U-TURN ARROW | |

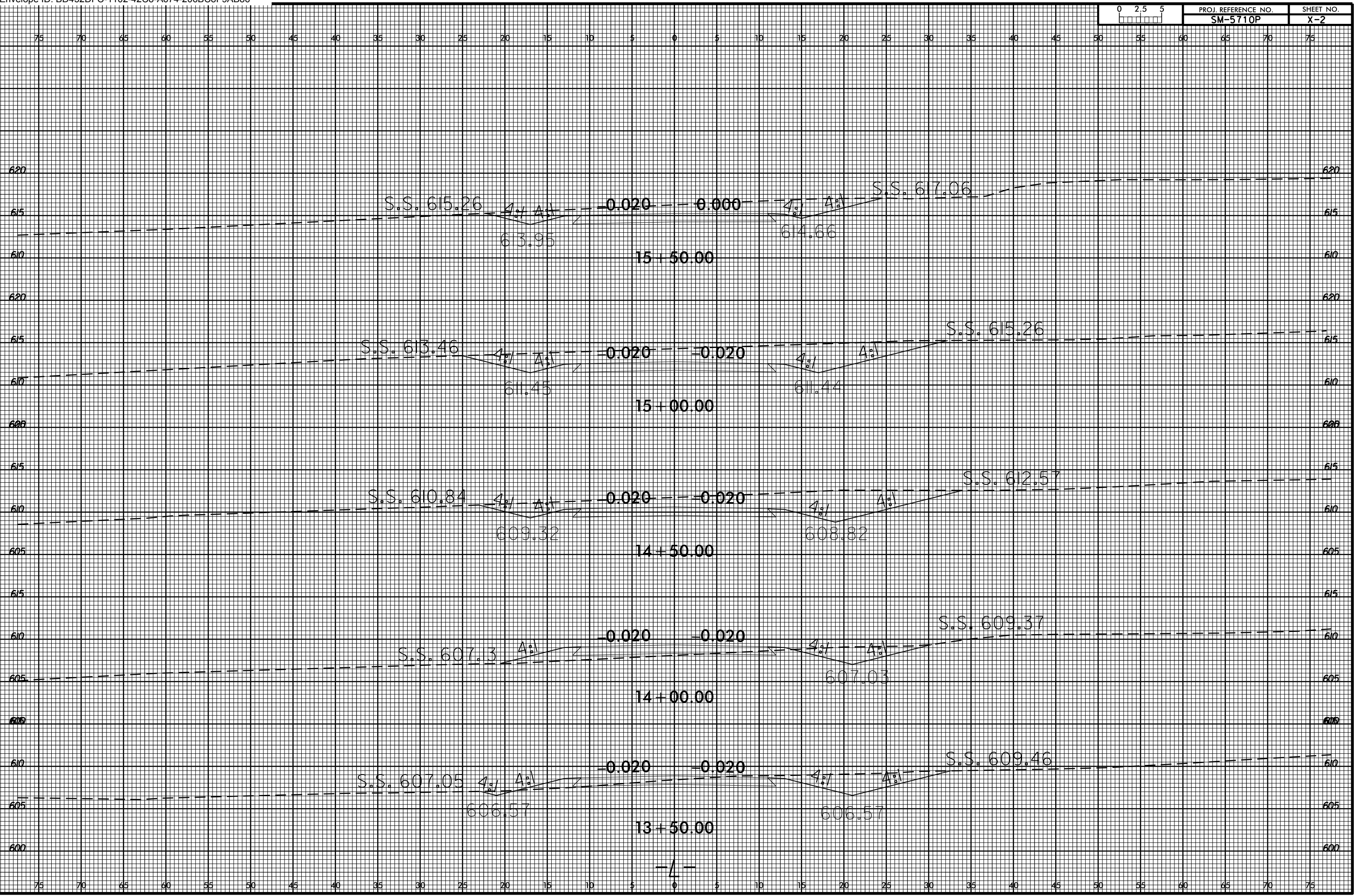
DRIVEWAY AT
WESLEY CHAPEL
ELEMENTARY SCHOOL

SCALE	1"=50'		REVISIONS
DATE	3-2021		
DWG. BY	TBL		
DESIGN BY	TBL		
APPROVED	JDH		

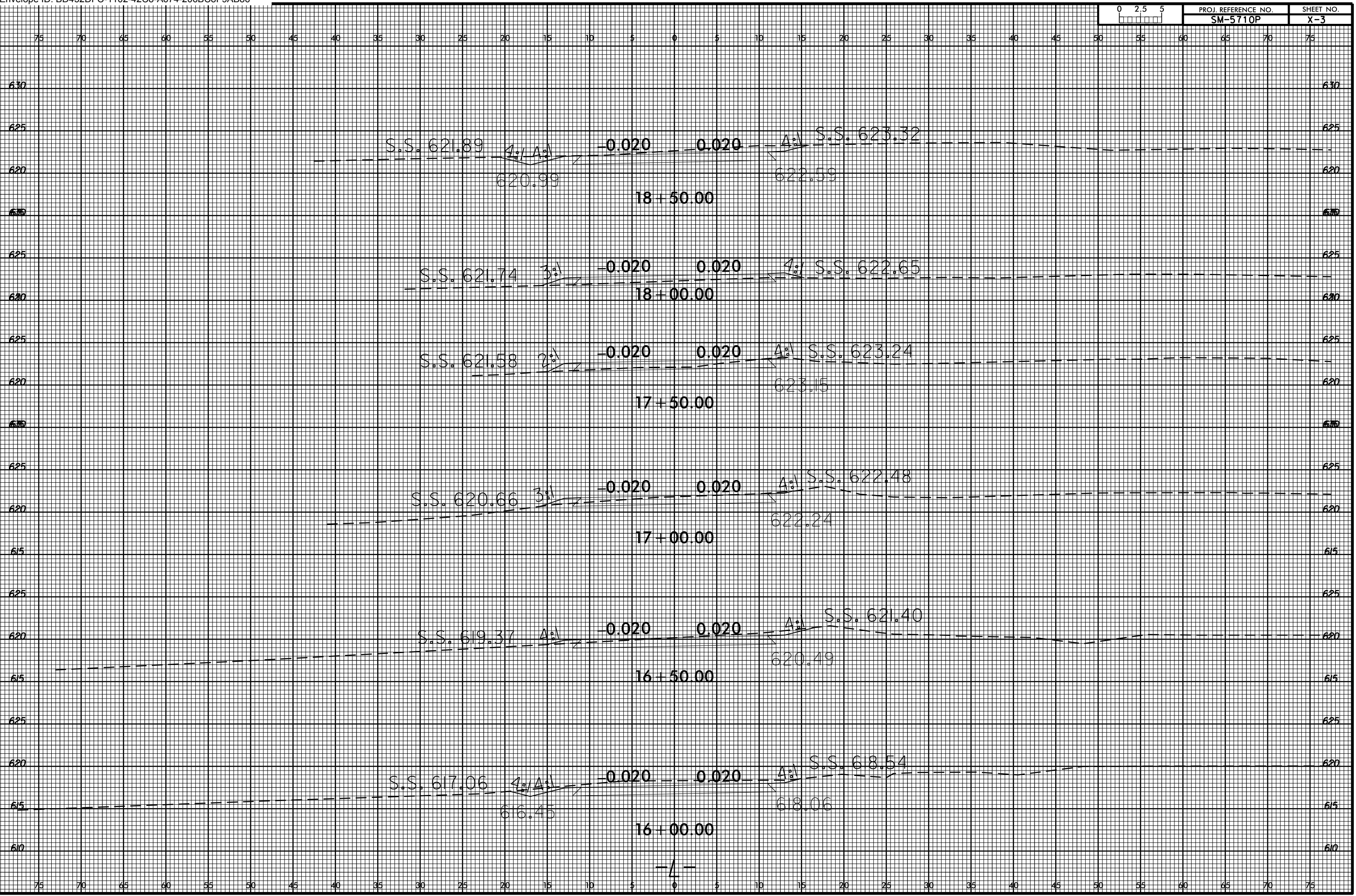
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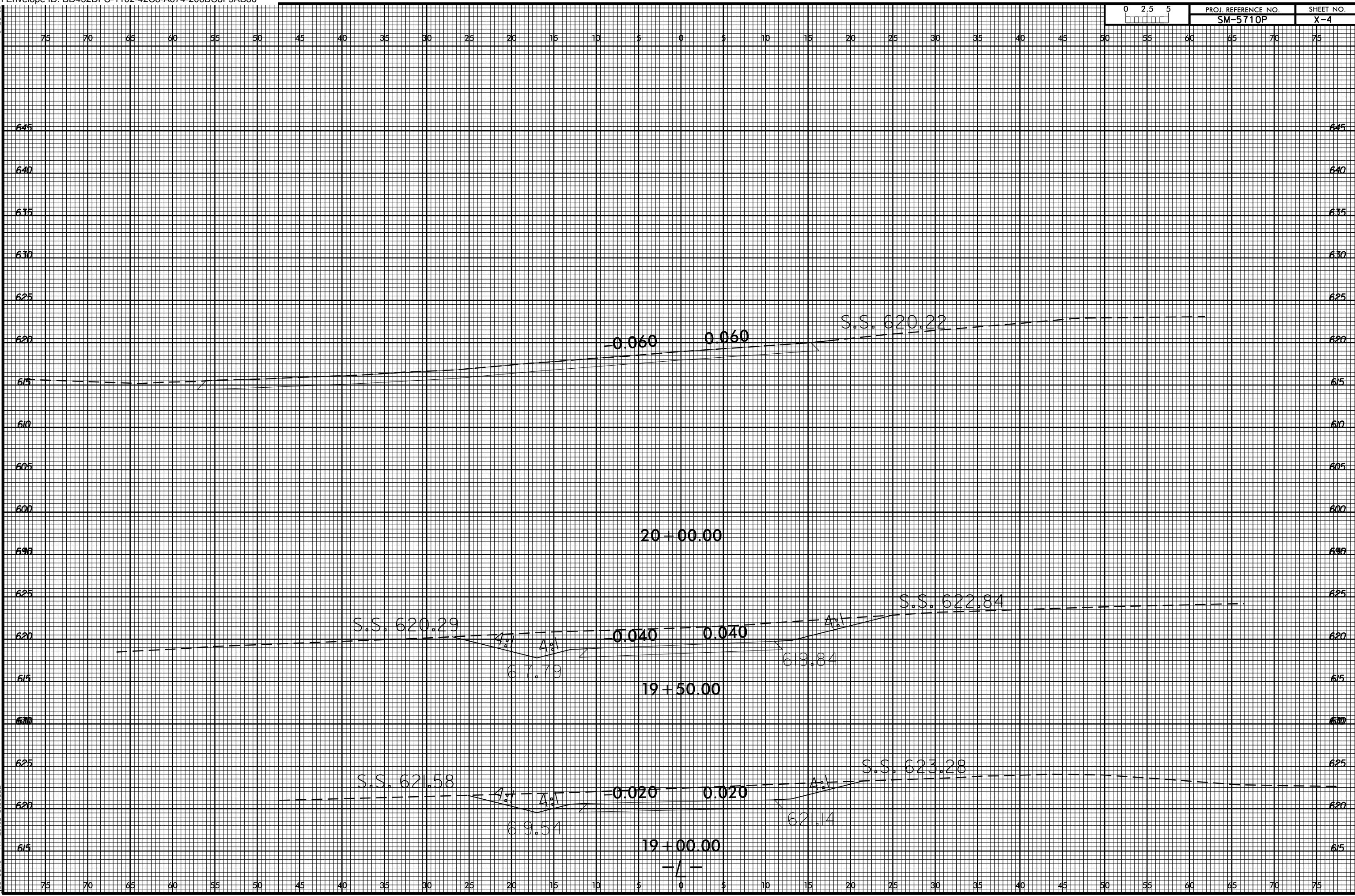
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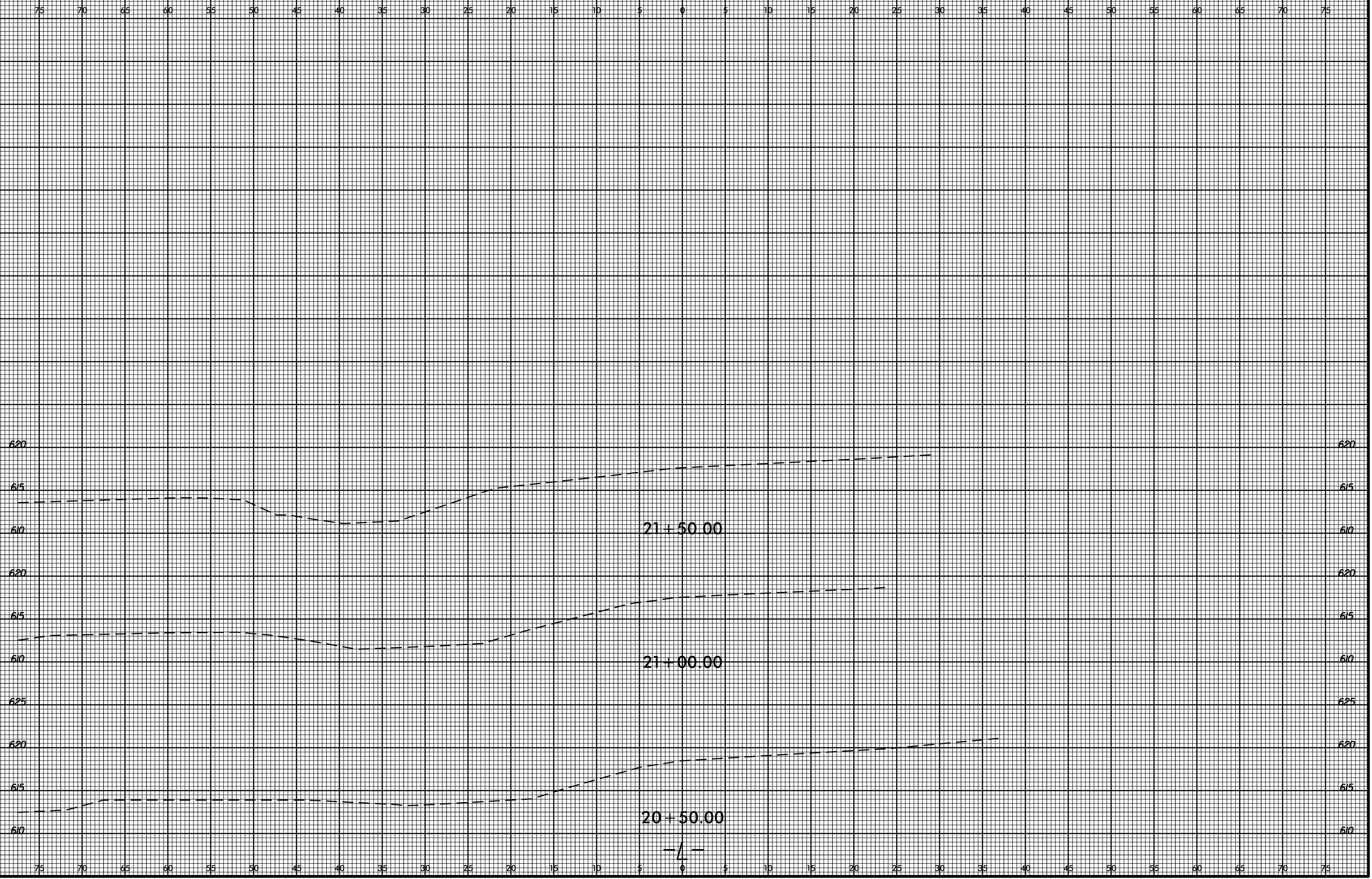


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