

STATE OF MAINE
DEPARTMENT OF TRANSPORTATION



ALLAGASH-ST. FRANCIS
AROOSTOOK COUNTY

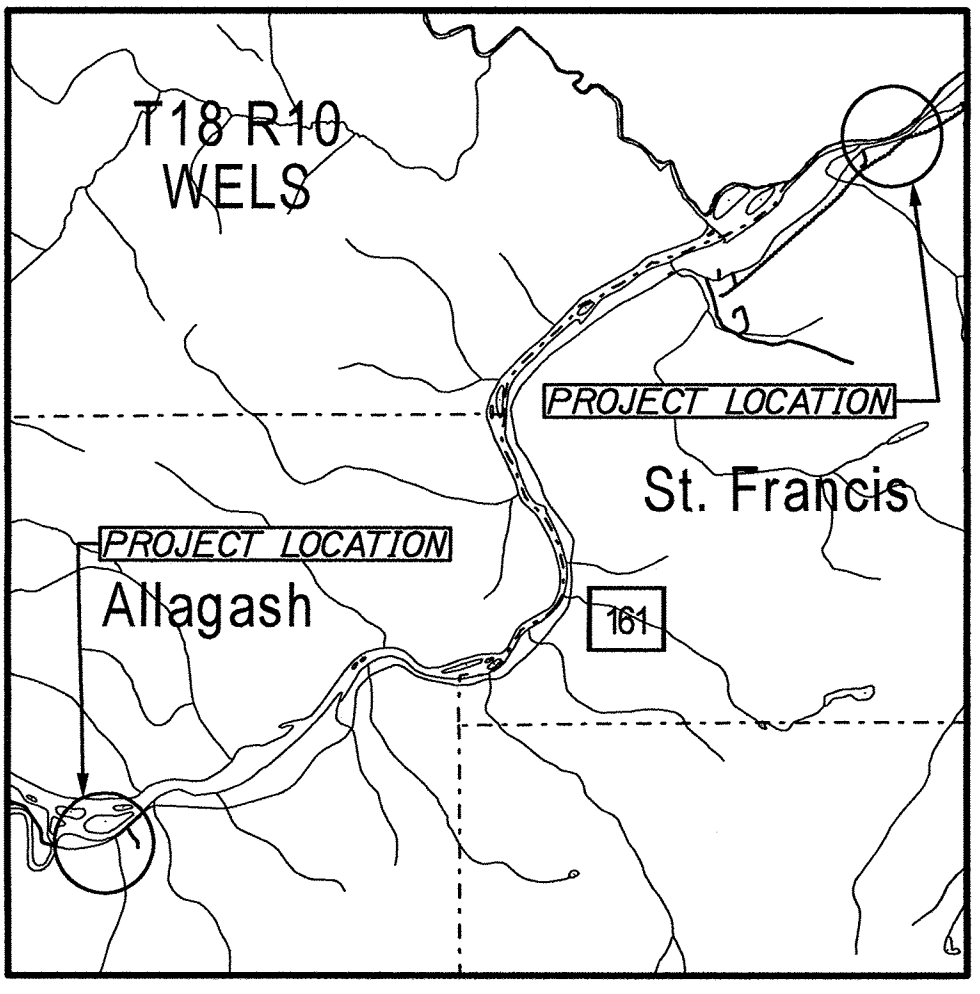
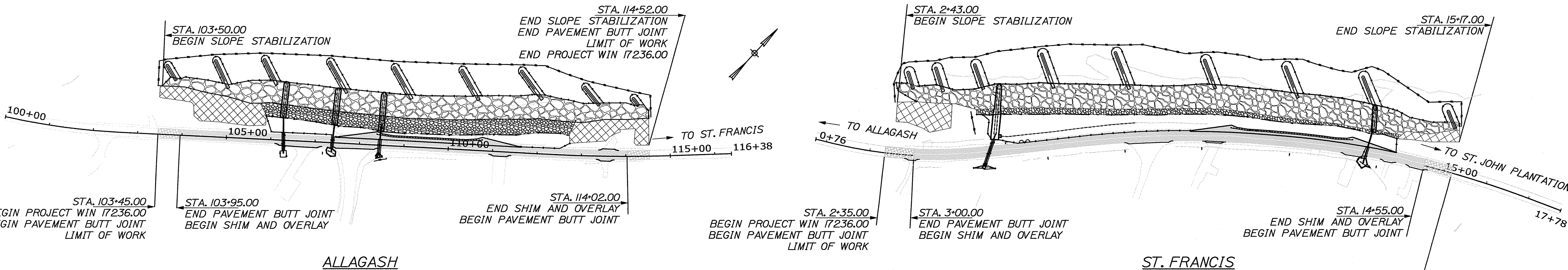
ROUTE 161
FEDERAL PROJECT NO. 1723600
PROJECT LENGTH : 0.45 MILES

PLAN LEGEND

Town, County, State	Catch Basins	Existing	Proposed
Property Lines	Manholes	Existing	Proposed
R/W Lines-Existing	Proposed Underdrain		
R/W Lines-Proposed	Proposed Ditch		
Culvert-Existing	Existing Ditch		
Culvert Proposed	Utility Poles	Existing	Proposed
Curbing	Fire Hydrants	Existing	Proposed
Type 1	Existing Water Line		
Type 3	Existing San. Sewer		
Type 5	Existing San. Sewer Manhole		
Outline of Bodies of Water	Guardrail-Existing		
Exposed Bedrock	Guardrail-Proposed		
Buildings	Guardrail-Cable, Other		
Trees	Centerline-Existing		
Tree Line	Centerline-Proposed		
Clearing Limit Line	Travelway-Existing		
Railroad	Travelway-Proposed		
Boring	Probe	P-#.#X	
Pavement Core		#.# = Depth	
Test Pit		X = W (Weathered Rock)	
		R (Refusal)	
		NR (No Refusal)	

INDEX OF SHEETS

Description	Sheet No.
Title Sheet	1
Typical Sections	2-3
Estimated Quantities & Earthwork Summary	4
General Notes	5
Special Details - Bendway Weir Details	6-7
Allagash Plans	8-9
St. Francis Plans	10-11
Cross Sections - Allagash	12-25
Cross Sections - St. Francis	26-40
Right of Way Maps - Allagash	41-42
Right of Way Maps - St. Francis	43-44



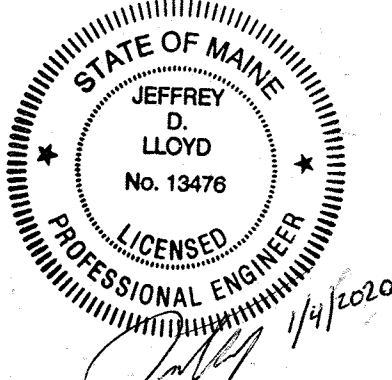
TRAFFIC DATA - ALLAGASH

Current (2018) AADT	690
Future (2038) AADT	830
DHV - % of AADT	11%
Design Hour Volume	91
% Heavy Trucks (AADT)	20%
Directional Distribution (DHV)	52%
Design Speed (mph)	40 MPH
Functional Class	Major Urban Collector
Corridor Priority	3

TRAFFIC DATA - ST. FRANCIS

Current (2018) AADT	930
Future (2038) AADT	1120
DHV - % of AADT	10%
Design Hour Volume	112
% Heavy Trucks (AADT)	18%
Directional Distribution (DHV)	51%
Design Speed (mph)	50 MPH
Functional Class	Major Urban Collector
Corridor Priority	3

PROJECT LOCATION:	ROUTE 161 IN THE TOWN OF ALLAGASH, BEGINNING 0.09 MILES NORTH OF CARNEY ROAD AND EXTENDING SOUTH 0.21 MILES.
PROGRAM AREA:	HIGHWAY PROGRAM
SCOPE OF WORK:	SLOPE STABILIZATION/PROTECTION



NOTE: GOLDER ASSOCIATES INC. IS RESPONSIBLE FOR SHEETS 2-3, SHEETS 6-7, AND THE SLOPE STABILIZATION AND BENDWAY WEIR DESIGN.

STATE OF MAINE
DEPARTMENT OF TRANSPORTATION

APPROVED: [Signature]
COMMISSIONER: [Signature]
CHIEF ENGINEER: [Signature]

DATE: 1/23/2020

1-21-2020

PROJECT INFORMATION

PROGRAM: HIGHWAY
PROJECT MANAGER: ROGER SOLICY
DESIGNER: JEFFREY LLOYD, P.E.
CONSULTANT: GOLDER ASSOCIATES INC.
PROJECT RESIDENT: [Blank]
CONTRACTOR: [Blank]

ALLAGASH-ST. FRANCIS
ROUTE 161

TITLE SHEET

SHEET NUMBER
1
OF 44

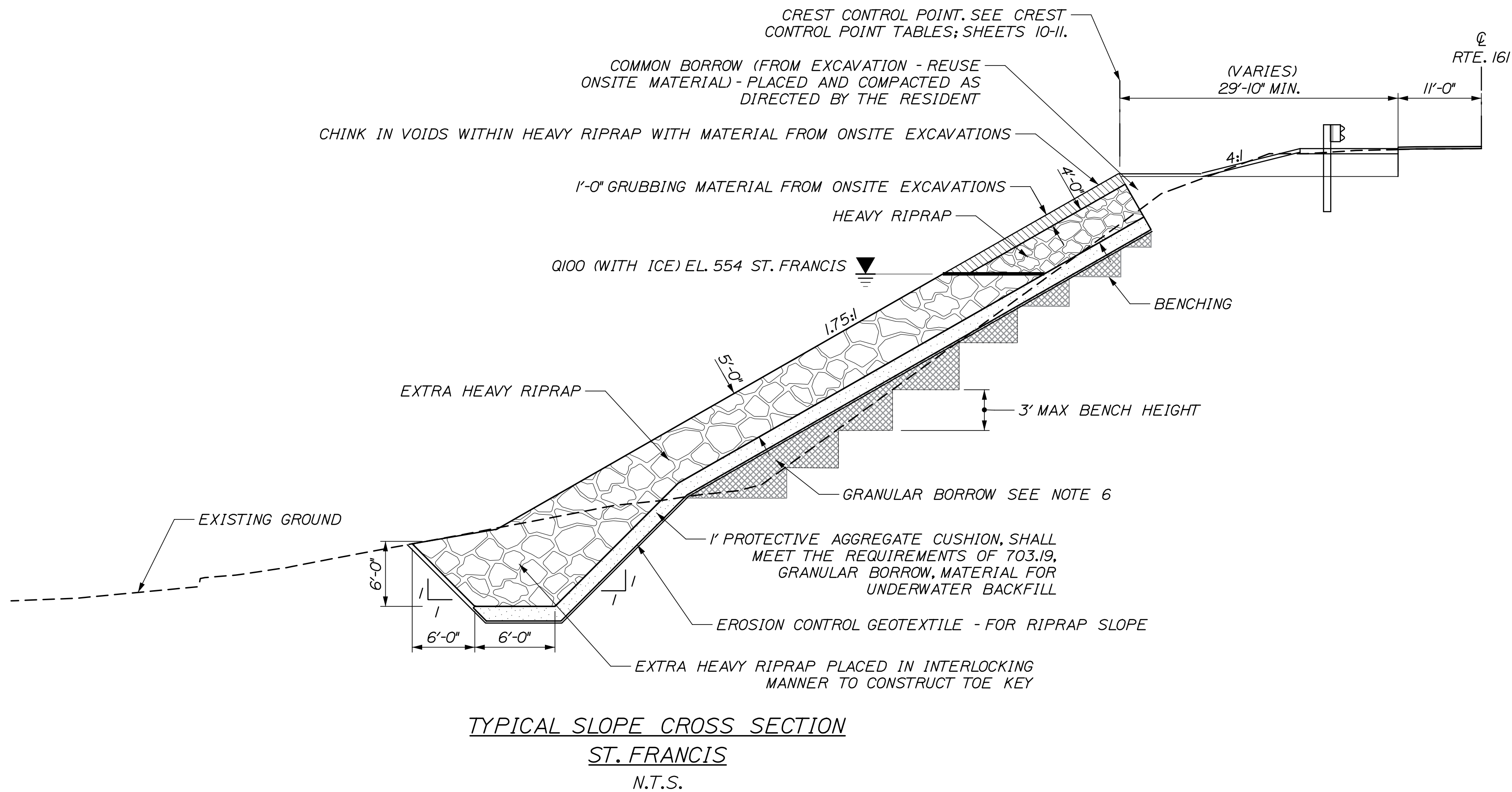
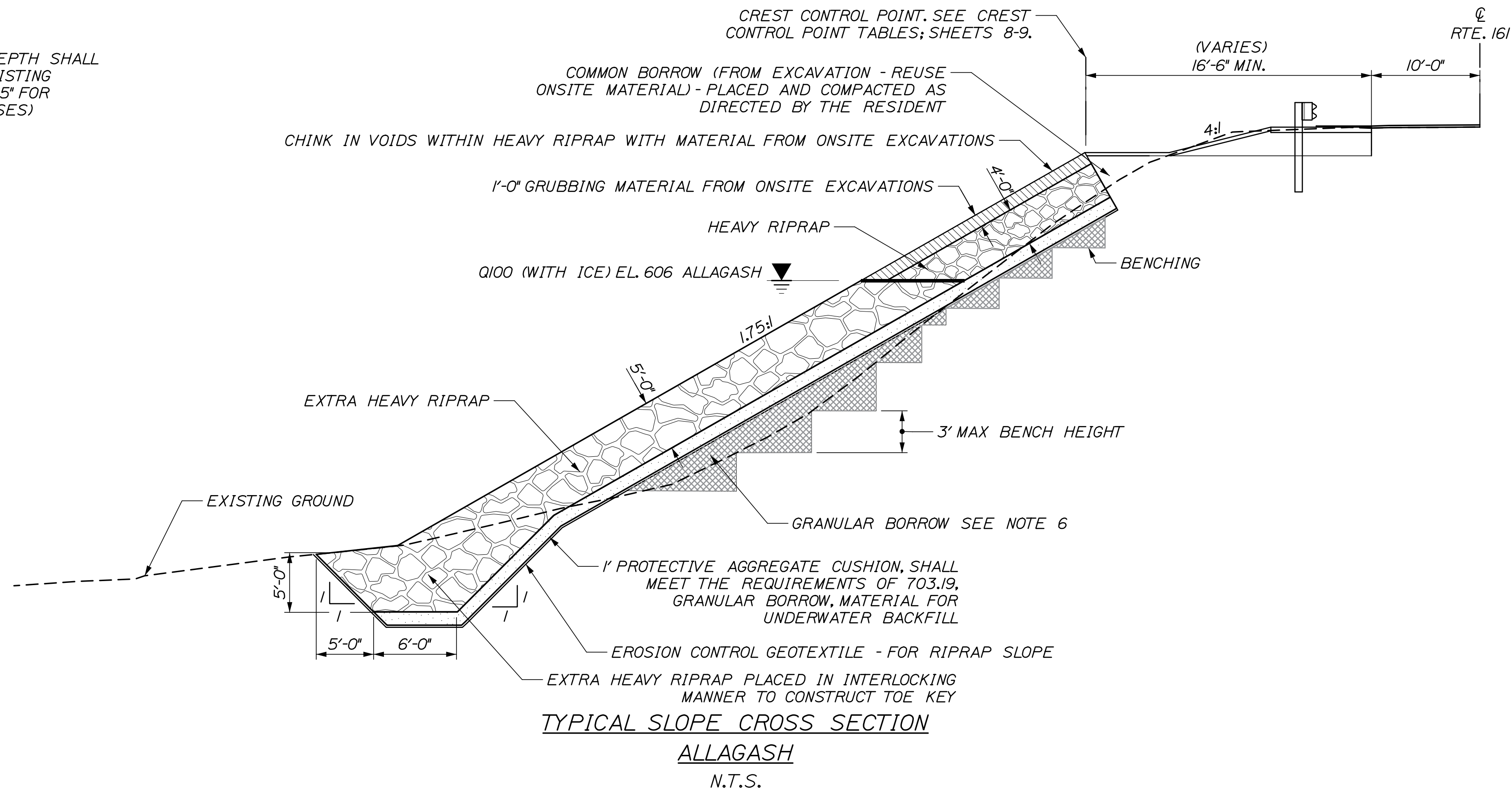
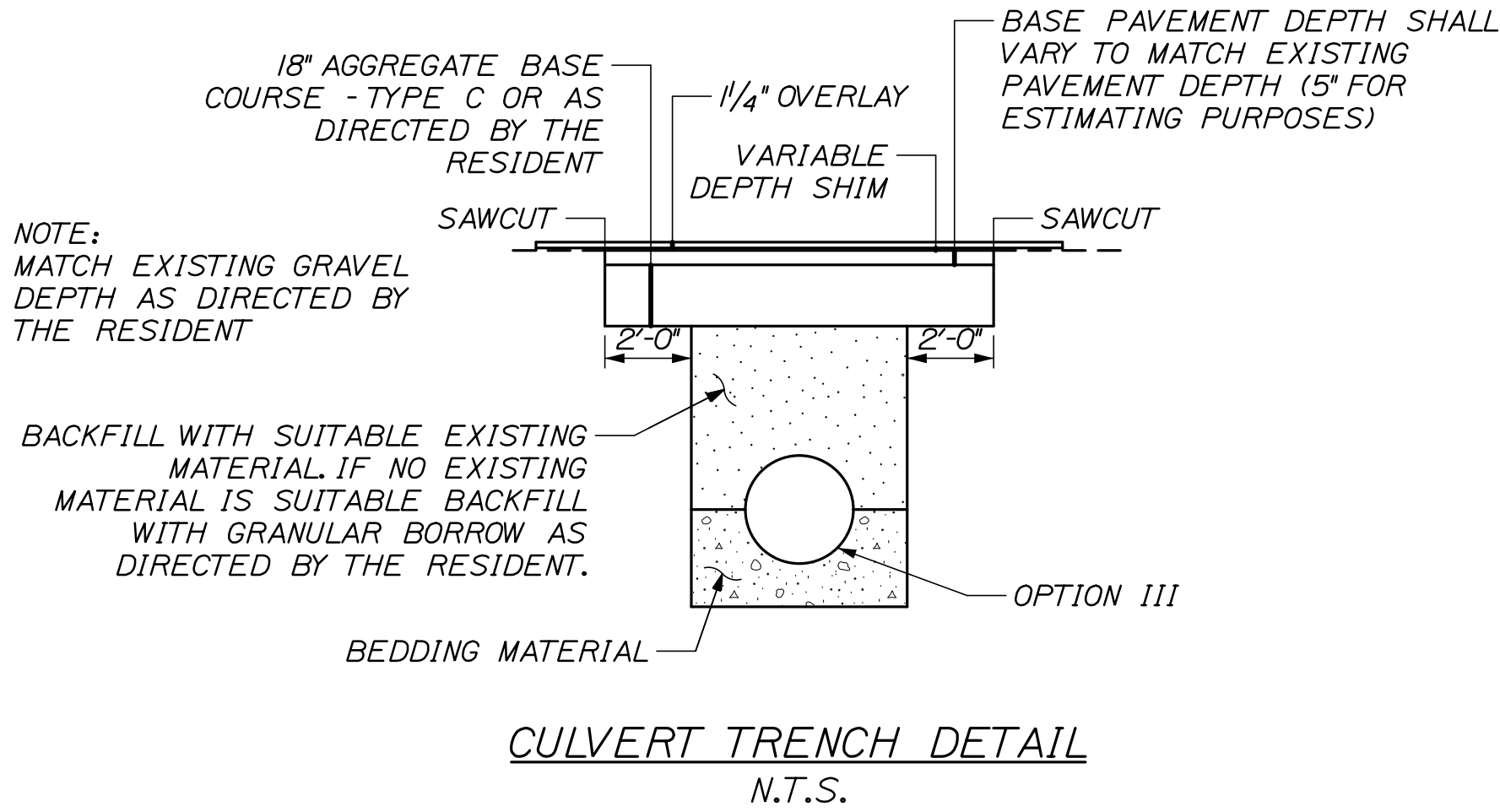
WIN 17236.00 FEDERAL PROJECT NO. 1723600

Date:1/16/2020

Username:

Division:

Filename: 002_Typical Sections 1.dgn



NOTES:

1. THE PAVEMENT, BASE AND SUBBASE DEPTHS AS SHOWN ON THE PLANS ARE INTENDED TO BE NOMINAL.
2. WHEN SUPERELEVATION EXCEEDS THE SLOPE OF THE LOW SIDE SHOULDER, THE LOW SIDE SHOULDER'S PAVEMENT SHALL HAVE THE SAME CROSS SLOPE AS THE TRAVEL WAY.
3. CROWNS FOR BOTH NORMAL AND SUPERELEVATION SECTIONS FOR ALL CROUSES OF SUBBASE AND PAVEMENT SHALL BE STRAIGHT.
4. THE GRAVEL QUANTITY CALCULATION IS BASED ON A 2" LOAM DEPTH. THE ACTUAL DEPTH MAY VARY, SEE THE GENERAL NOTES.
5. THE ALGEBRAIC DIFFERENCE BETWEEN SHOULDER AND TRAVEL LANE CROSS SLOPES "ROLLOVER" SHALL NOT EXCEED 8%.
6. BENCHING IS PER STANDARD SPECIFICATION 203 (UNLESS OTHERWISE NOTED). PAYMENT IS CONSIDERED TO BE INCIDENTAL TO SECTION 203. BACKFILL SHALL BE GRANULAR BORROW AND WILL BE PAID FOR UNDER ITEM 203.25

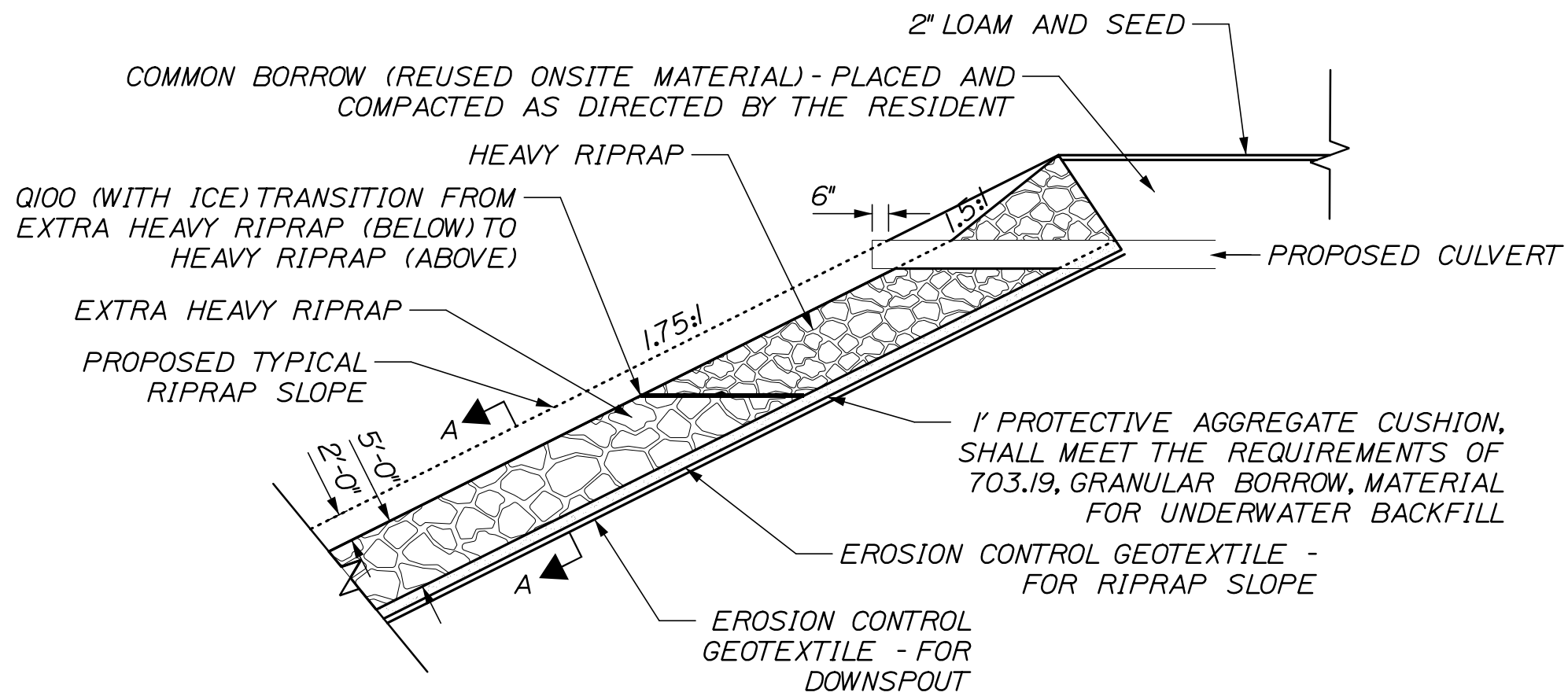
ALLAGASH-ST. FRANCIS ROUTE 161										PROJ. MANAGER		R. SOUCY		BY		DATE		STATE OF MAINE DEPARTMENT OF TRANSPORTATION													
TYPICAL SECTIONS										DESIGN-DETAILED								SIGNATURE		1723600											
										CHECKED-REVIEWED																					
										DESIGN2-DETAILED2																					
										DESIGN3-DETAILED3																					
										REVISIONS 1														P.E. NUMBER							
REVISIONS 2																															
REVISIONS 3																															
REVISIONS 4																DATE															
FIELD CHANGES																WIN 17236.00															
																				HIGHWAY PLANS											

Date:1/16/2020

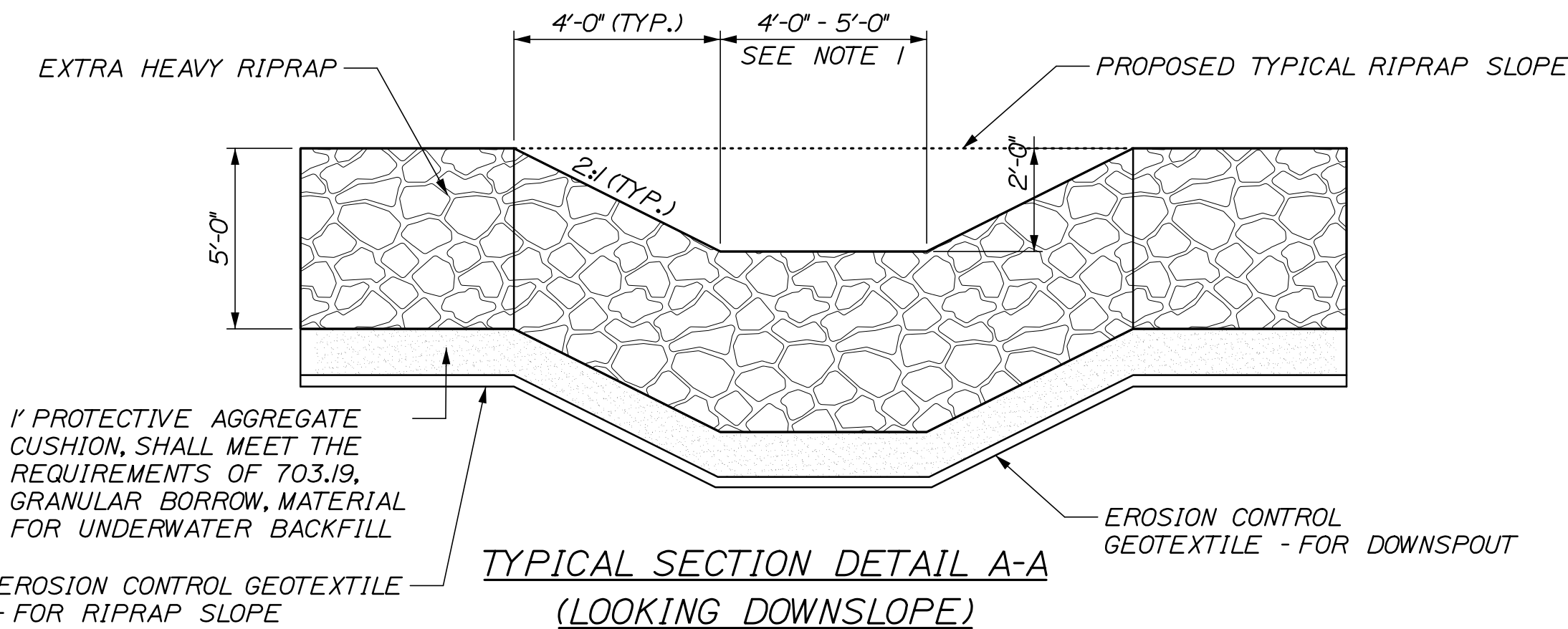
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Division:

Filename: 003_Typical Sections 2.dgn

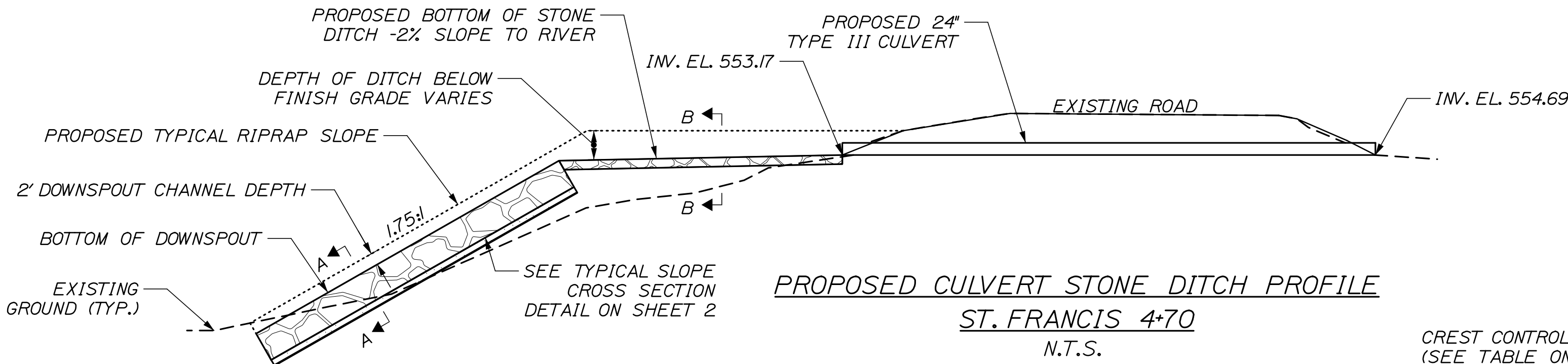


TYPICAL DOWNSPOUT SECTION
N.T.S.

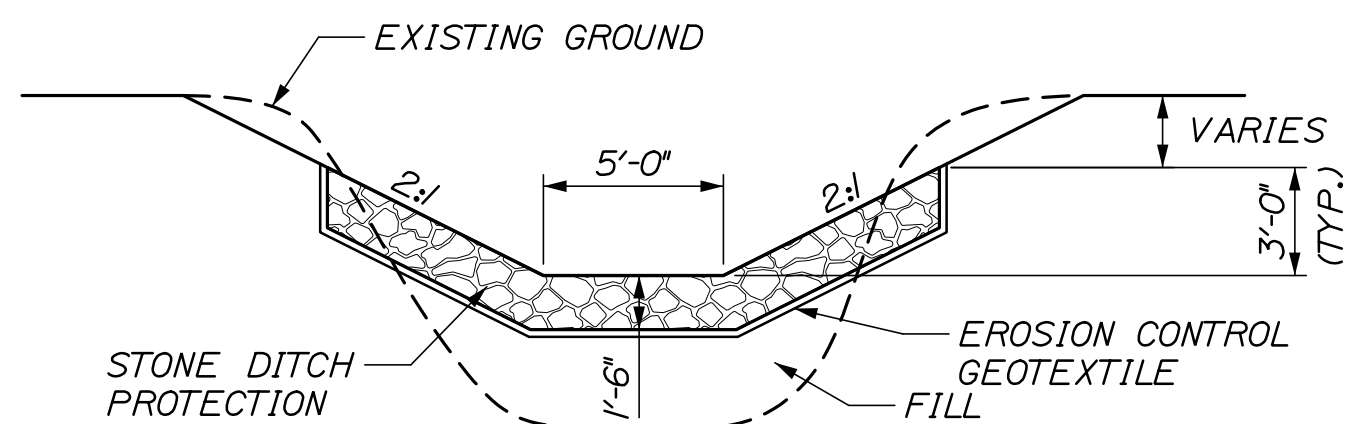


TYPICAL SECTION DETAIL A-A
(LOOKING DOWNSLOPE)
N.T.S.

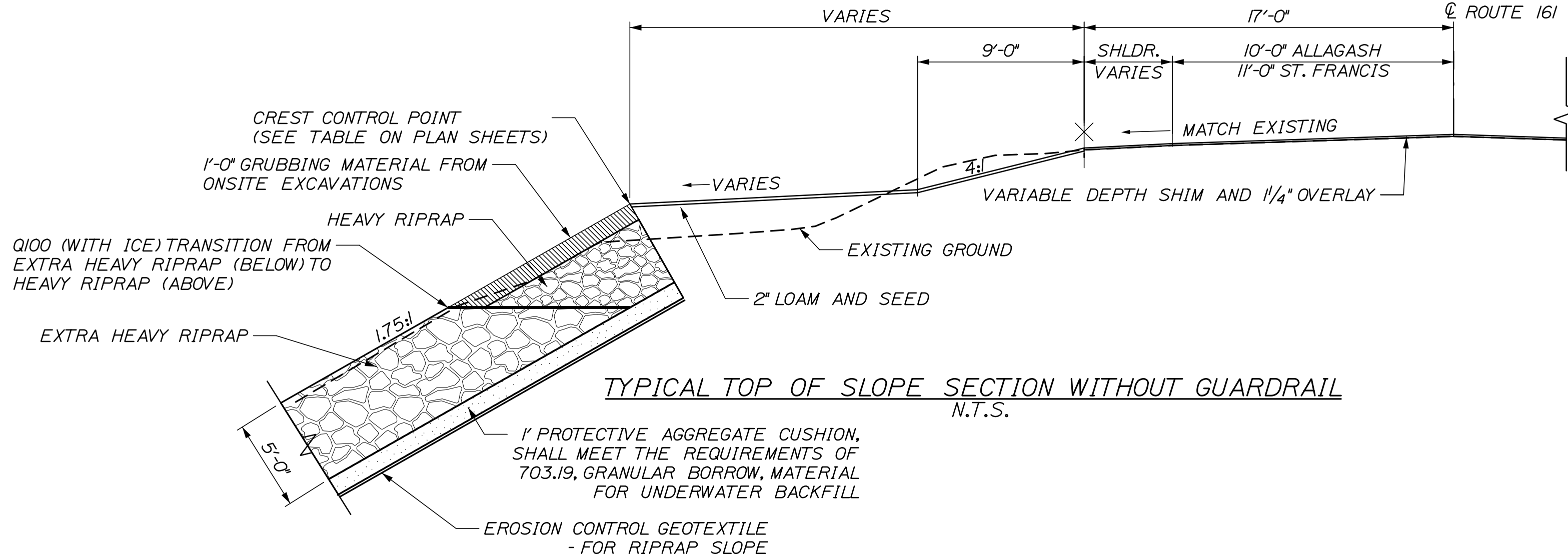
NOTE:
1. DOWNSPOUT WIDTH VARIES.
-4FT FOR CULVERT DOWNSPOUT
-5FT FOR STONE DITCH DOWNSPOUT



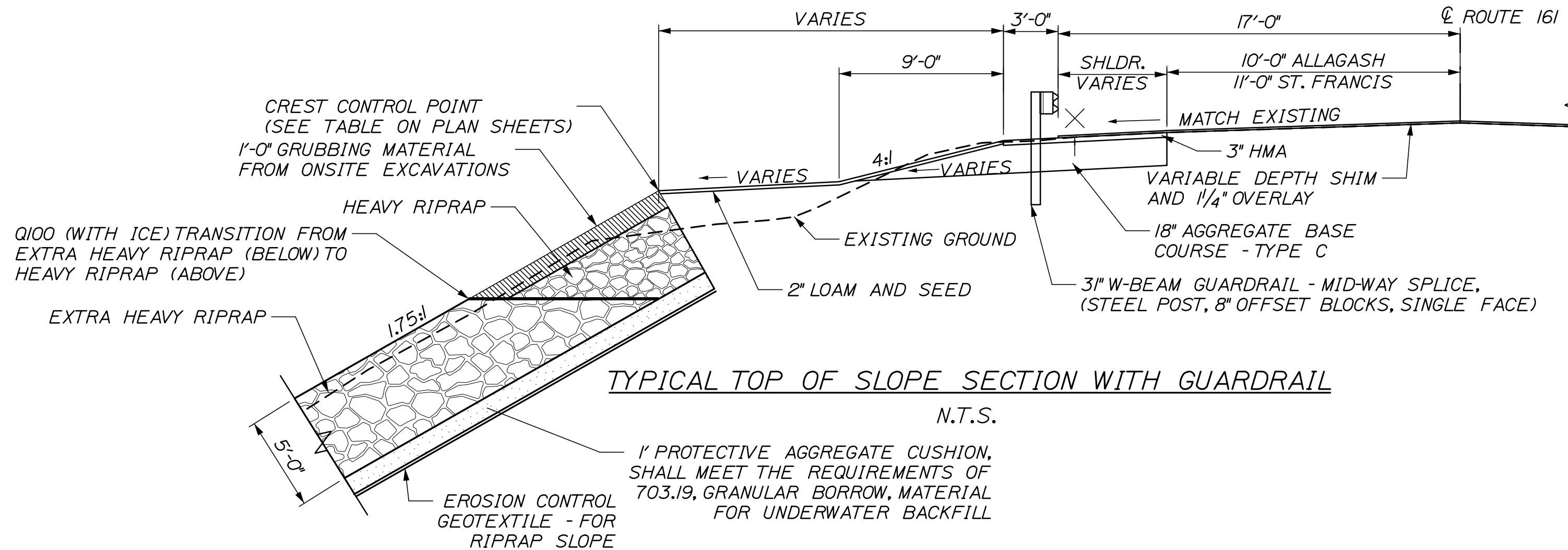
PROPOSED CULVERT STONE DITCH PROFILE
ST. FRANCIS 4+70
N.T.S.



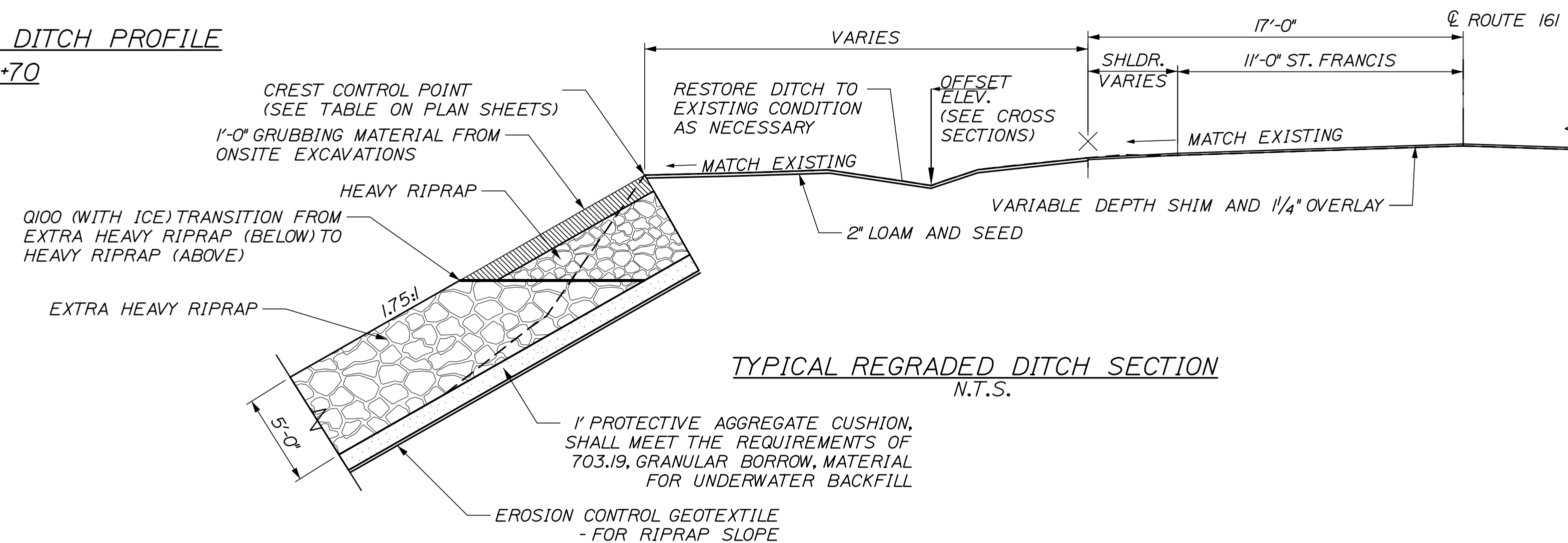
TYPICAL STONE DITCH
SECTION B-B
N.T.S.



TYPICAL TOP OF SLOPE SECTION WITHOUT GUARDRAIL
N.T.S.



TYPICAL TOP OF SLOPE SECTION WITH GUARDRAIL
N.T.S.



TYPICAL REGRADED DITCH SECTION
N.T.S.

PROJ. MANAGER	DESIGN-DETAILED	CHECKED-REVIEWED	DESIGN-DETAILED	DESIGN-DETAILED	REVISIONS 1	REVISIONS 2	REVISIONS 3	REVISIONS 4	FIELD CHANGES
DATE	BY	DATE	SIGNATURE	P.E. NUMBER	DATE				

ESTIMATED QUANTITIES					
ITEM NO.	DESCRIPTION	UNIT	ALLAGASH	ST. FRANCIS	TOTAL
201.11	CLEARING	AC	2	2	4
202.203	PAVEMENT BUTT JOINTS	SY	240	340	580
203.20	COMMON EXCAVATION	CY	520	590	1110
203.25	GRANULAR BORROW	CY	7200	10800	18000
304.16	AGGREGATE BASE COURSE - TYPE C	CY	390	390	780
403.209	HOT MIX ASPHALT, 9.5 mm (SIDEWALKS, DRIVES, ISLANDS & INCIDENTALS)	TON	10	10	20
403.210	HOT MIX ASPHALT, 9.5 mm NOMINAL MAXIMUM SIZE	TON	200	235	435
403.211	HOT MIX ASPHALT, 9.5 mm NOMINAL MAXIMUM SIZE (SHIMMING)	TON	140	140	280
403.213	HOT MIX ASPHALT, 12.5 mm NOMINAL MAXIMUM SIZE (BASE AND INTERMEDIATE BASE COURSE)	TON	90	90	180
409.15	BITUMINOUS TACK COAT, APPLIED	GAL	150	180	330
511.07	COFFERDAM: ALLAGASH	LS	1	0	1
511.07	COFFERDAM: ST. FRANCIS	LS	0	1	1
526.301	TEMPORARY CONCRETE BARRIER, TYPE 1 (2400 LF)	LS	0.5	0.5	1
527.34	WORK ZONE CRASH CUSHION	UN	2	2	4
603.199	24 INCH CULVERT PIPE OPTION III	LF	150	76	226
603.209	30 INCH CULVERT PIPE OPTION III	LF	68	80	148
606.1301	31"W-BEAM GUARDRAIL - MID-WAY SPLICE (STEEL POST, 8" OFFSET BLOCKS, SINGLE FACE)	LF	162.5	200	363
606.1305	31"W-BEAM GUARDRAIL - MID-WAY SPLICE FLARED TERMINAL (31" HEIGHT)	EA	2	2	4
606.353	REFLECTORIZED FLEXIBLE GUARDRAIL MARKER	EA	4	4	8
610.08	PLAIN RIPRAP	CY	2200	27	2227
610.16	HEAVY RIPRAP	CY	400	5950	10050
610.163	SPECIAL RIPRAP - EXTRA HEAVY RIPRAP	CY	11500	15500	27000
610.18	STONE DITCH PROTECTION	CY	0	60	60
613.319	EROSION CONTROL BLANKET	SY	0	210	210
615.07	LOAM	CY	78	210	288
618.14	SEEDING METHOD NUMBER 2	UN	37	45	82
619.12	MULCH	UN	37	45	82
620.58	EROSION CONTROL GEOTEXTILE	SY	62	220	282
620.591	EROSION CONTROL GEOTEXTILE - RIPRAP SLOPES	SY	11800	12000	23800
620.592	EROSION CONTROL GEOTEXTILE - FOR DOWNSPOUTS	SY	730	350	1080
627.733	4" WHITE OR YELLOW PAINTED PAVEMENT MARKING LINE	LF	3350	3900	7250
629.05	HAND LABOR, STRAIGHT TIME	HR	10	10	20
631.10	AIR COMPRESSOR (INCLUDING OPERATOR)	HR	10	10	20
631.11	AIR TOOL (INCLUDING OPERATOR)	HR	10	10	20
631.12	ALL PURPOSE EXCAVATOR (INCLUDING OPERATOR)	HR	10	10	20
631.13	BULLDOZER (INCLUDING OPERATOR)	HR	10	10	20
631.172	TRUCK-LARGE (INCLUDING OPERATOR)	HR	10	10	20
631.18	CHAIN SAW RENTAL (INCLUDING OPERATOR)	HR	10	10	20
631.22	FRONT END LOADER (INCLUDING OPERATOR)	HR	10	10	20
639.19	FIELD OFFICE, TYPE B	EA	0.4	0.6	1
643.72	TEMPORARY TRAFFIC SIGNAL: ALLAGASH	LS	1	0	1
643.72	TEMPORARY TRAFFIC SIGNAL: ST. FRANCIS	LS	0	1	1
652.33	DRUM	EA	25	25	50
652.34	CONE	EA	25	25	50
652.35	CONSTRUCTION SIGNS	SF	260	260	520
652.36	MAINTENANCE OF TRAFFIC CONTROL DEVICES	CD	180	180	360
652.38	FLAGGERS	HR	240	240	480
656.75	TEMPORARY SOIL EROSION AND WATER POLLUTION CONTROL	LS	0.4	0.6	1
659.10	MOBILIZATION	LS	0.4	0.6	1

EARTHWORK SUMMARY					
<u>COMMON EXCAVATION FOR ESTIMATE</u>					
	<u>Allagash</u>			<u>St. Francis</u>	
COMMON EXCAVATION (FROM MODEL OR PLANS)	<u>473</u>			<u>544</u>	
GRUBBING IN FILL	<u>0</u>			<u>0</u>	
CULVERT INLET AND OUTLET DITCHES	<u>43</u>			<u>44</u>	
TOTAL COMMON EXCAVATION		<u>516</u>			<u>588</u>
<u>FILL FOR BORROW CALCULATIONS</u>					
COMMON FILL (FROM MODEL OR PLANS)	<u>391</u>			<u>2350</u>	
GRUBBING IN FILL	<u>0</u>			<u>0</u>	
TOTAL FILL		<u>391</u>			<u>2350</u>
<u>AVAILABLE COMMON EXCAVATION FOR BORROW CALCULATIONS</u>					
ALL DEDUCTIONS:					
GRUBBING IN CUT		<u>2213</u>			<u>1979</u>
GRUBBING IN FILL		<u>0</u>			<u>0</u>
TOTAL DEDUCTIONS		<u>2213</u>			<u>1979</u>
TOTAL AVAILABLE COMMON EXCAVATION (-) TOTAL DEDUCTIONS		<u>-1697</u>			<u>-1391</u>
TOTAL AVAILABLE STRUCTURAL EXCAVATION (UNDERDRAIN ONLY)					
RIPRAP EXCAVATION		<u>7149</u>			<u>9104</u>
AVAILABLE EXCAVATION FROM BENCHING		<u>1293</u>			<u>1441</u>
TOTAL AVAILABLE NON-ROCK EXCAVATION		<u>6745</u>			<u>9154</u>
<u>COMPUTATION OF WASTE STORAGE & WASTE MATERIAL</u>					
GRUBBING IN CUT		<u>2213</u>			<u>1979</u>
GRUBBING IN FILL		<u>0</u>			<u>0</u>
TOTAL WASTE MATERIAL		<u>2213</u>			<u>1979</u>
TOTAL WASTE MATERIAL TO BE WASTED		<u>2213</u>			<u>1979</u>
<u>COMPUTATION FOR GRANULAR BORROW FOR ESTIMATE</u>					
GRANULAR BORROW TO REPLACE BENCHING		<u>1293</u>			<u>1441</u>
GRANULAR BORROW FOR FILL		<u>5873</u>			<u>9337</u>
TOTAL GRANULAR BORROW		<u>7166</u>			<u>10778</u>
<u>COMPUTATION FOR SURPLUS MATERIAL OR COMMON BORROW FOR ESTIMATE</u>					
TOTAL AVAILABLE NON-ROCK EXCAVATION	<u>6745</u> x 0.90	= <u>6070.5</u>		<u>9154</u> x 0.90	= <u>8238.6</u>
TOTAL AVAILABLE EXCAVATION		<u>6071</u>			<u>8239</u>
BORROW NEEDED = TOTAL FILL (-) TOTAL AVAILABLE EXCAVATION		<u>0</u>			<u>0</u>
IF NO BORROW IS NEEDED, SURPLUS MATERIAL = AVAILABLE EXCAVATION (-) TOTAL FILL, (+)					
TOTAL WASTE MATERIAL TO BE WASTED		<u>7893</u>			<u>7868</u>
SURPLUS MATERIAL		<u>7893 CY</u>			<u>7868 CY</u>

STATE OF MAINE
DEPARTMENT OF TRANSPORTATION

1723600

WIN
17236.00
HIGHWAY PLANS

ALLAGASH-ST. FRANCIS
ROUTE 161

ESTIMATED QUANTITIES &
EARTHWORK SUMMARY

SHEET NUMBER

4

OF 44

GENERAL NOTES:

1. PAVEMENT THICKNESSES SHOWN ON THE TYPICAL SECTIONS ARE INTENDED TO BE NOMINAL

2. ALL JOINTS BETWEEN EXISTING AND PROPOSED HOT BITUMINOUS PAVEMENT SHALL BE BUTTED. PAYMENT SHALL BE MADE UNDER ITEM 202.203 PAVEMENT BUTT JOINT.

3. CONSTRUCT BUTT JOINTS AT ALL PAVED DRIVES AND ENTRANCES. BUTT JOINTS SHALL HAVE A MINIMUM WIDTH OF 18 INCHES OR AS DIRECTED BY THE RESIDENT.

4. THE CLEARING AND SELECTIVE CLEARING AND THINNING LINES SHOWN ON THE PLANS ARE FOR ESTIMATING PURPOSES ONLY. THE ACTUAL LINES FOR CLEARING AND THINNING SHALL BE ESTABLISHED IN THE FIELD BY THE CONTRACTOR AND APPROVED BY THE RESIDENT.

5. WHERE DEEMED NECESSARY BY THE RESIDENT, UNSUITABLE EXCESS MATERIAL SHALL BE REMOVED FROM THE EDGES OF SHOULDERS AND PLACED IN DESIGNATED AREAS OR DISPOSED OF. PAYMENT WILL BE MADE UNDER THE APPROPRIATE CONTRACT ITEMS.

6. ALL INSLOPE AND DITCHES IN CUT AREAS SHALL BE GRADED AS SHOWN ON THE TYPICALS OR FLATTER, OR AS DIRECTED BY THE RESIDENT.

7. THE CONTRACTOR SHALL PLAN AND CONDUCT THEIR WORK ACCORDINGLY SO THAT UPON COMPLETION OF THE PROJECT THERE IS NO DROP-OFF FROM THE EDGE OF SHOULDER PAVEMENT.

8. THE CONTRACTOR SHALL PLACE SUITABLE EXISTING OR OTHER MATERIAL ACCEPTABLE TO THE RESIDENT ON ALL PAVEMENT EDGES TO ALLOW A DROP OFF NO GREATER THAN THE SURFACE PAVEMENT THICKNESS. THE MATERIAL SHALL BE GRADED TO MATCH THE EXISTING INSLOPE OR AS DIRECTED BY THE RESIDENT BEFORE SURFACE IS PLACED. THE CONTRACTOR WILL BE PAID UNDER APPROPRIATE EQUIPMENT RENTAL ITEMS. BORROW IS NOT AUTHORIZED UNTIL ALL ACCEPTABLE WASTE MATERIAL HAS BEEN UTILIZED. SEED AND MULCH WILL BE PAID FOR AT THE CONTRACT UNIT PRICE.

9. ALL WASTE MATERIAL NOT USED ON THE PROJECT SHALL BE DISPOSED OF OFF THE PROJECT IN ACCEPTABLE WASTE AREAS REVIEWED BY THE RESIDENT. GRADING, SEEDING AND MULCHING OF WASTE AREAS SHALL BE CONSIDERED INCIDENTAL.

10. REQUIRED DITCH PROTECTION SHOWN ON THE PLANS OR IN THE CONSTRUCTION NOTES IS FOR ESTIMATING PURPOSES ONLY. THE ACTUAL TYPE AND LOCATION OF DITCH PROTECTION MAY BE ALTERED BY THE RESIDENT.

11. EXISTING INSLOPES IN PROPOSED FILL AREAS SHALL BE BENCHED BY EXCAVATING STEPS OF SUFFICIENT WIDTH AND A MAX HEIGHT OF 3 FEET TO PERMIT PLACING AND COMPACTING THE FILL MATERIAL ALONG WITH THE MATERIAL REMOVED.

12. A 3 FOOT PAVED LIP SHALL BE PLACED AT ALL UNPAVED ENTRANCES UNLESS OTHERWISE NOTED IN THE PLANS OR DIRECTED BY THE RESIDENT.

13. ANY NECESSARY CLEANING OF EXISTING PAVEMENT PRIOR TO PAVING (OR MILLING) SHALL BE INCIDENTAL TO THE RELATED PAVING (OR MILLING) ITEMS. THIS INCLUDES KILLING AND REMOVAL OF ALL VEGETATIVE MATTER.

14. CROSS SLOPES FOR NORMAL AND SUPERELEVATED SECTIONS WILL BE STRAIGHT UNLESS OTHERWISE DIRECTED BY THE DEPARTMENT.

15. THE ALGEBRAIC DIFFERENCE BETWEEN TRAVELWAY AND SHOULDER CROSS SLOPE SHALL NOT EXCEED 8 PERCENT.

16. THE FOLLOWING SHALL BE INCIDENTAL TO THE 603 ITEM(S) (PRESERVATION ONLY):

A. ANY CUTTING OF EXISTING CULVERTS AND OR CONNECTORS NECESSARY TO INSTALL NEW CULVERT REPLACEMENTS OR EXTENSIONS

B. ALL PIPE EXCAVATION INCLUDING ANY CUTTING AND REMOVAL OF PAVEMENT

C. ALL DITCHING AT PIPE ENDS

D. FURNISHING, PLACING, GRADING, AND COMPACTING OF ANY NEW GRAVEL AND FOR TEMPORARY DETOURS TO MAINTAIN TRAFFIC DURING PIPE INSTALLATION (EXCAVATION IS ALSO INCIDENTAL).

E. ALL WORK NECESSARY TO CONNECT TO EXISTING PIPES AND DRAINAGE STRUCTURES

F. EXISTING FLOW LINES MAY BE CHANGED BY UP TO 1.5 FEET

G. ANY NECESSARY CLEARING OF BRUSH AND NON-PAY TREES WITHIN 10 FEET OF CULVERT ENDS

H. AN 18 INCH WIDE STRIP OF NON-WOVEN GEO-TEXTILE MEETING THE REQUIREMENTS OF 620.58 SHALL BE PLACED OVER ALL RCP JOINTS

17. NO EXISTING DRAINAGE SHALL BE ABANDONED, REMOVED OR PLUGGED WITHOUT PRIOR APPROVAL OF THE RESIDENT.

18. INLETS AND OUTLETS OF ALL CULVERTS SHALL BE RIPRAPPED UNLESS OTHERWISE NOTED ON THE PLANS OR DIRECTED BY THE RESIDENT.

19. THE CULVERT SIZES SHOWN ON THE PLANS AND CROSS SECTIONS ARE FOR SMOOTHLINED PIPES.

20. GUARDRAIL END TREATMENTS SHALL BE INSTALLED CONCURRENTLY WITH THE PLACEMENT OF EACH SECTION OF BEAM GUARDRAIL.

21. ALL EXISTING GUARDRAIL SHALL BE REMOVED AND BECOME THE PROPERTY OF THE CONTRACTOR. REMOVAL AND DISPOSAL SHALL BE CONSIDERED INCIDENTAL TO THE GUARDRAIL ITEMS.

22. TWO REFLECTORIZED FLEXIBLE G.R. MARKERS (ITEM 606.353) WILL BE INSTALLED AT EACH GUARDRAIL END.

23. LOAM HAS BEEN ESTIMATED FOR DISTURBED LAWN AREAS. ACTUAL PLACEMENT OF THE LOAM SHALL BE AS NOTED ON THE PLANS OR DESIGNATED BY THE RESIDENT.

24. UNLESS OTHERWISE NOTED SEEDING METHOD NO. 2 SHALL BE UTILIZED ON ALL AREAS.

25. LOAM SHALL BE PLACED TO A NOMINAL DEPTH OF 2 INCHES IN ALL AREAS UNLESS OTHERWISE NOTED OR DIRECTED.

26. ANY DAMAGE TO THE SLOPES CAUSED BY THE CONTRACTOR'S EQUIPMENT, PERSONNEL, OR OPERATION SHALL BE REPAIRED TO THE SATISFACTION OF THE RESIDENT. ALL WORK, EQUIPMENT, AND MATERIALS REQUIRED TO MAKE REPAIRS SHALL BE AT THE CONTRACTOR'S EXPENSE.

27. THE PROJECT GEOTECHNICAL REPORT TITLED DESIGN REPORT GEOTECHNICAL AND HYDROTECHNICAL SLOPE STABILIZATION EVALUATION STATE ROUTE 161 UNSTABLE SLOPES ADJACENT TO ST. JOHN RIVER, SOILS REPORT 2019-22C, MARCH 29, 2019, CAN BE ACCESSED AT THE MAINEDOT WEBSITE [HTTP://WWW.MAINE.GOV/MDOT/CONTRACTORS/](http://www.maine.gov/mdot/contractors/).

28. GEOTECHNICAL INFORMATION FURNISHED OR REFERRED TO IN THE BID DOCUMENTS IS FOR THE USE OF THE BIDDERS. NO ASSURANCE IS GIVEN THAT THE INFORMATION OR INTERPRETATIONS WILL BE REPRESENTATIVE OF THE ACTUAL SUBSURFACE CONDITIONS THROUGHOUT THE CONSTRUCTION SITE. MAINEDOT WILL NOT BE RESPONSIBLE FOR ANY INTERPRETATIONS OR CONCLUSION DRAWN FROM THE GEOTECHNICAL INFORMATION. THE BORING LOGS PROVIDED IN THE BID DOCUMENTS (IF ANY) PRESENT FACTUAL AND INTERPRETIVE SUBSURFACE INFORMATION COLLECTED AT DISCRETE LOCATIONS. DATA PROVIDED MAY NOT BE REPRESENTATIVE OF THE SUBSURFACE CONDITIONS BETWEEN BORING LOCATIONS.

29. AREAS REQUIRING FILL ON THE PROJECT WILL COME FROM SUITABLE EXCAVATION FROM EXCAVATION, DITCH AND INSLOPE OR EQUIPMENT RENTAL AREAS.

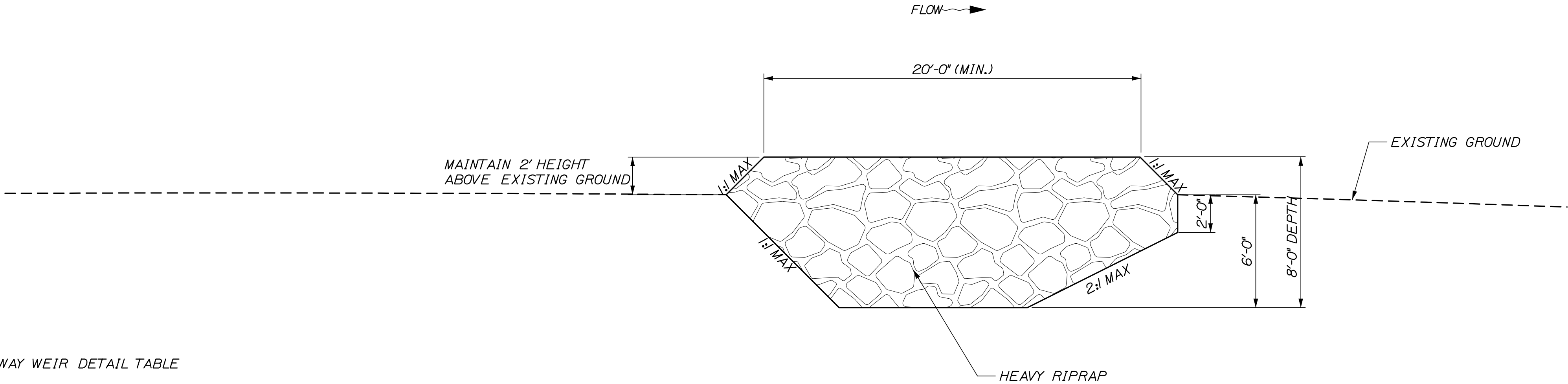
30. NO SEPARATE PAYMENT FOR SUPERINTENDENT OR FOREMAN WILL BE MADE FOR THE SUPERVISION OF EQUIPMENT AND LAYOUT OF WORK BEING PAID FOR UNDER THE EQUIPMENT RENTAL ITEMS.

31. UNDETERMINED LOCATIONS SHALL BE DETERMINED BY THE RESIDENT.

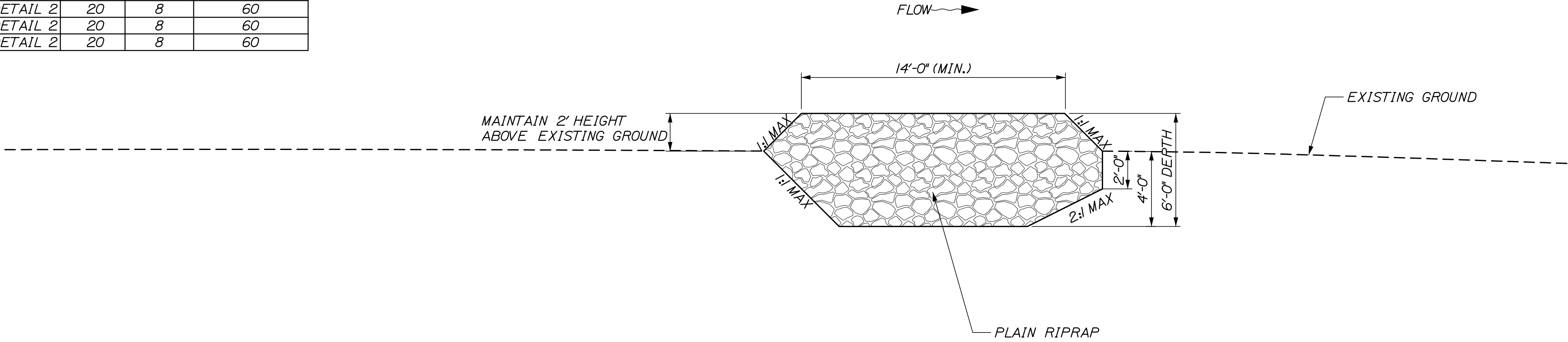
32. FINAL STRIPING FOR THE PROJECT SHALL BE DONE BY THE CONTRACTOR PER THE STRIPING LAYOUT IN THE CONTRACT DOCUMENTS OR AS PROVIDED BY THE DEPARTMENT. PAYMENT SHALL BE MADE UNDER APPROPRIATE CONTRACT ITEMS.

STATE OF MAINE DEPARTMENT OF TRANSPORTATION	1723600		WIN 17236.00		HIGHWAY PLANS	
ALLAGASH-ST. FRANCIS ROUTE 161 GENERAL NOTES						
	SHEET NUMBER 5 OF 44					

BENDWAY WEIR DETAIL TABLE					
BENDWAY WEIR	LENGTH (FT)	DETAIL	TOP WIDTH (FT)	DEPTH (FT)	ORIENTATION (DEG)
A-1	47	DETAIL 1	14	6	60
A-2	76	DETAIL 1	14	6	60
A-3	71	DETAIL 1	14	6	60
A-4	87	DETAIL 1	14	6	60
A-5	88	DETAIL 1	14	6	60
A-6	85	DETAIL 1	14	6	60
A-7	87	DETAIL 1	14	6	60
A-8	60	DETAIL 1	14	6	60
A-9	28	DETAIL 1	14	6	60
SF-1	52	DETAIL 2	20	8	60
SF-2	64	DETAIL 2	20	8	60
SF-3	69	DETAIL 2	20	8	60
SF-4	92	DETAIL 2	20	8	60
SF-5	98	DETAIL 2	20	8	60
SF-6	79	DETAIL 2	20	8	60
SF-7	85	DETAIL 2	20	8	60
SF-8	92	DETAIL 2	20	8	60
SF-9	55	DETAIL 2	20	8	60



DETAIL 2: ST. FRANCIS
N.T.S.



DETAIL 1: ALLAGASH
N.T.S.

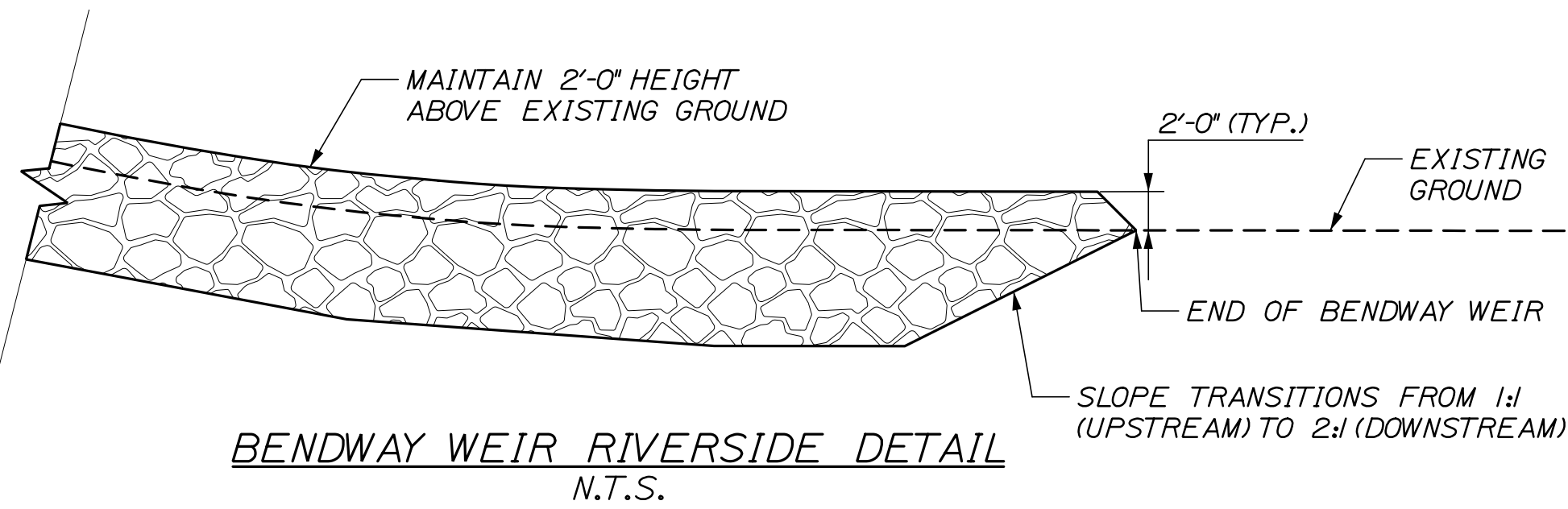
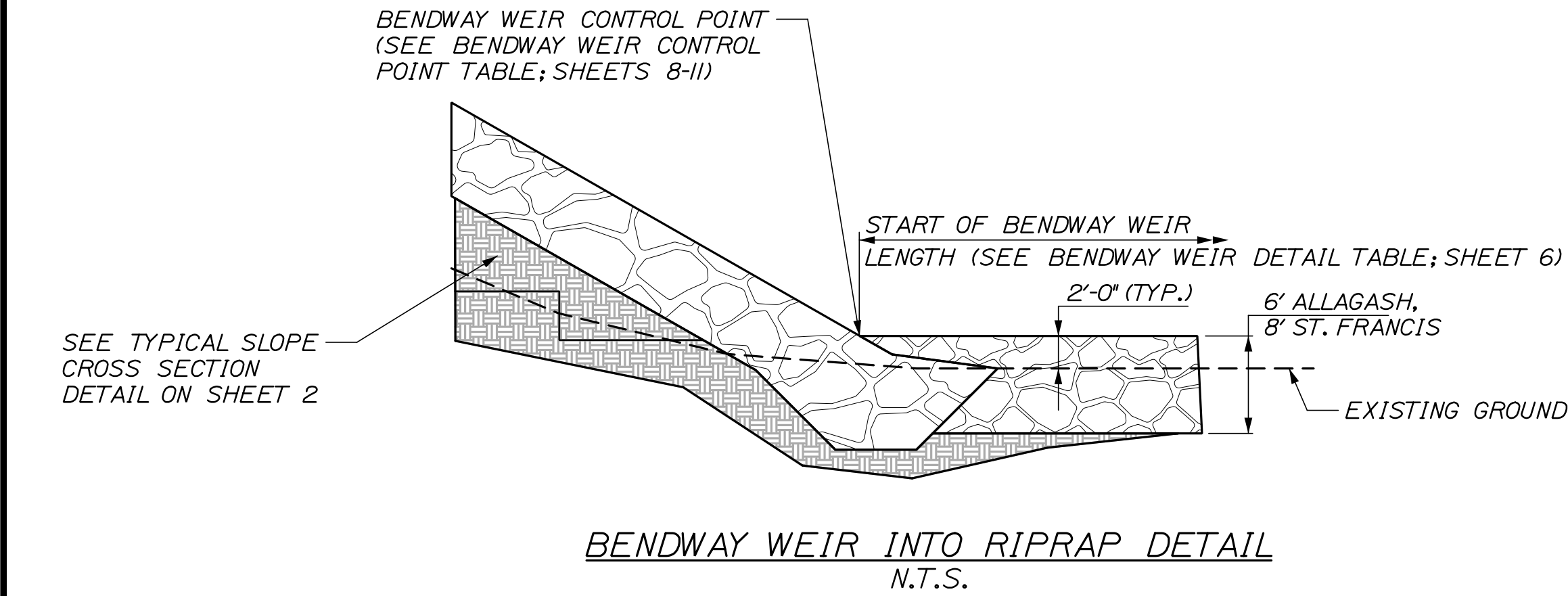
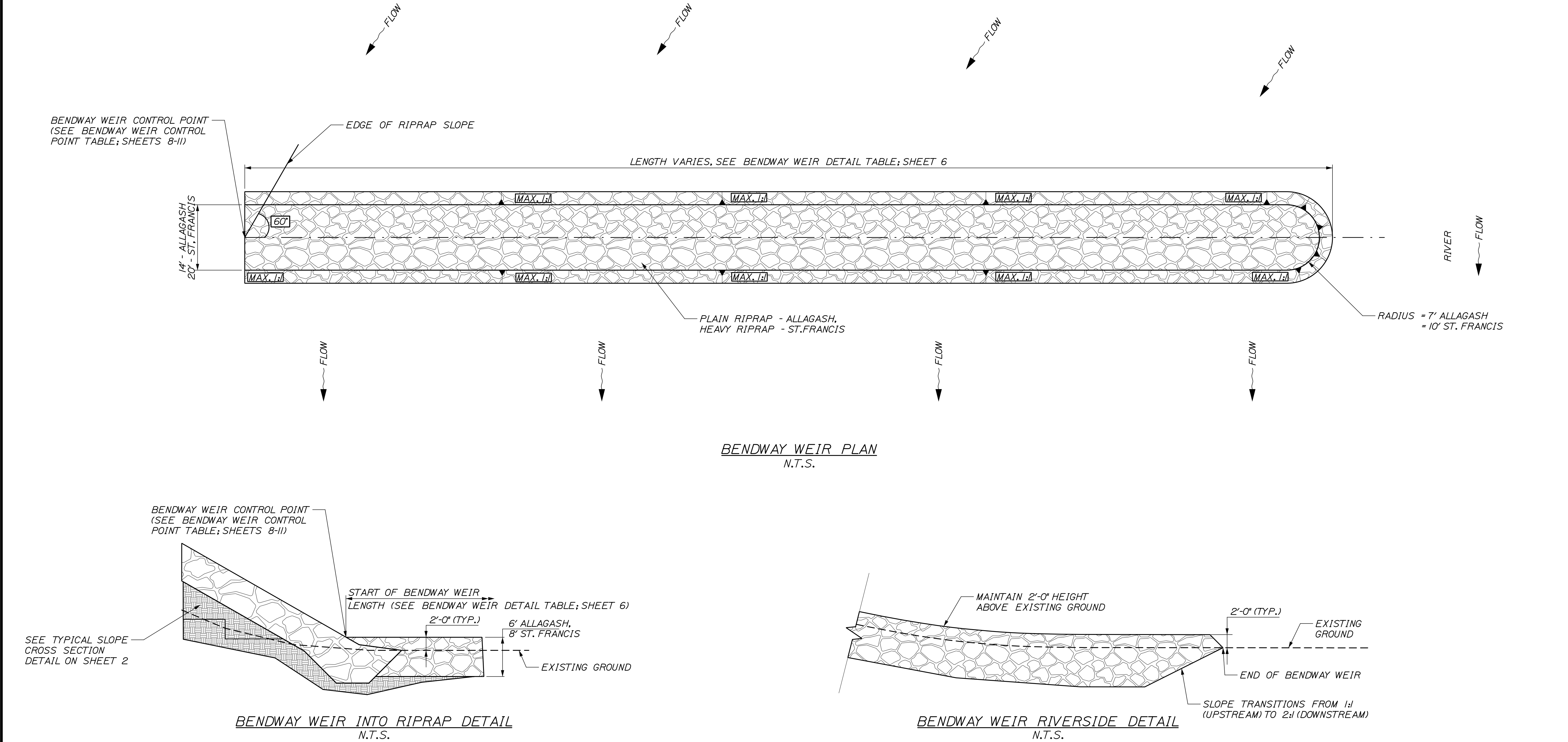
STATE OF MAINE DEPARTMENT OF TRANSPORTATION	SIGNATURE		DATE
	1723600		
	WIN	17236.00	HIGHWAY PLANS
ALLAGASH-ST. FRANCIS ROUTE 161	SPECIAL DETAILS - BENDWAY WEIR DETAILS		
	SHEET NUMBER		
6		OF 44	

Date:1/16/2020

Username:

Division:

Filename: 007_Weir Detail.dgn



STATE OF MAINE DEPARTMENT OF TRANSPORTATION					1723600
	WIN				
	17236.00				
				HIGHWAY PLANS	

ALLAGASH-ST. FRANCIS ROUTE 161 SPECIAL DETAILS - BENDWAY WEIR DETAILS	PROJ. MANAGER		R.SOU/CY	BY	DATE
	DESIGN-DETAILED				
	CHECKED-REVISED				
	DESIGN2-DETAILED2	-			
	DESIGN3-DETAILED3	-			
REVISIONS 1		-	-	-	
REVISIONS 2		-	-	-	
REVISIONS 3		-	-	-	
REVISIONS 4		-	-	-	
FIELD CHANGES		-	-	-	

SHEET NUMBER
2
OF 44

<u>ITEM</u>	<u>606.1301 31" W-BEAM GUARDRAIL - MID-WAY SPLICE</u>	<u>LENGTH</u>
	STA. 108+75.00, 17.00' LT. TO STA. 110+37.46, 17.00' LT.	162.5 LF
<u>ITEM</u>	<u>606.1305 31" W-BEAM GUARDRAIL - MID-WAY SPLICE FLARED TERMINATION</u>	<u>LENGTH</u>
	STA. 108+37.72, 21.00' LT. TO STA. 108+75.00, 17.00' LT.	

PLAIN RIPRA
(TYP.)

CENTERLINE
WEIRS (TYP.)

EXTRA HEAVY RIPRAP
AS DIRECTED BY THE
RESIDENT

STA. 103+50.00
BEGIN SLOPE
STABILIZATION

EXISTING MATURE -
GROWTH - DO NOT
DISTURB

POR 27
TAX MAP 6 LOT 607
THOMAS GARDNER
JOYCE GARDNER

STA. 103+45.00
BEGIN PROJECT WIN 17236.00
BEGIN PAVEMENT BUTT JOINT
LIMIT OF WORK

POR 24
TAX MAP 6 LOT 606
ROY M. GARDNER
MAUDE M. GARDNER

NORMAL HIGH WATER LINE

— BENDWAY WEIR (TYP.)
(SEE DETAILS)

DOWNSPOUT (TYP.)

EXISTING UTILITY POLL
(REMOVED BY OTHERS)

PROPOSED UTILITY
POLE (BY OTHERS)

EXISTING UTILITY POLL
(REMOVED BY OTHERS)

 RIVERVIEW HOUSING

CURVE DATA #2
PI = 107+55.84
D = 0°05'25.6"
Δ = 0°25'42.8" Rt.
R = 63342.00'
L = 473.77'
T = 236.89'
E = 0.44'

POR 29
TAX MAP 6 LOT 621
ROY M. GARDNER
MAUDE M. GARDNER

— 3" W-BEAM GUARDRAIL
MID-WAY SPLICE
FLARED TERMINAL (TYP.)

ROUTE 161 (ALLAGASH ROAD)

← STA. 103+95.00
END PAVEMENT BUTT JOINT
BEGIN SHIM AND OVERLAY

EXISTING CATCH BASIN

POR 26
TAX MAP 6 LOT621B
ALLAGASH DEVELOPMENT CORP.
11.2 ACRES DEED

ALLAGASH CREST CONTROL POINT TABLE			
POINT	STATION	OFFSET	ELEVATION
1000	106+00	-48.9	623.3
1001	106+50	-45.7	622.7
1002	107+00	-41.8	622.6
1003	107+50	-34.7	624.7
1004	108+00	-34.8	623.3
1005	108+38	-29.7	625.3
1006	108+50	-27.9	624.9
1007	109+00	-26.5	625.4

ALLAGASH BENDWAY WEIR CONTROL POINT TABLE		
POINT	STATION	OFFSET
PT. A-1	103+80	-118.9
PT. A-2	104+99	-107.1
PT. A-3	106+07	-119.7
PT. A-4	107+65	-109.7
PT. A-5	109+12	-104.2

STATE OF MAINE	
DEPARTMENT OF TRANSPORTATION	
1723600	
WIN	HIGHWAY PLANS
17236.00	

PROJ. MANAGER		R.SOUTH	BY	DATE
DESIGN-DETAILED	CHECKED-REVIEWED			
DESIGN-DETAILED2	-	-		SIGNATURE
DESIGN-DETAILED3	-	-		P.E. NUMBER
REVISIONS 1	-	-		
REVISIONS 2	-	-		
REVISIONS 3	-	-		DATE
REVISIONS 4	-	-		
FIELD CHANGES	-	-		

ALLAGASH-ST. FRANCIS
 ROUTE 161
 ALLAGASH PLAN

SHEET NUMBER

8

OF 44

Date: 1/16/2020

Username:

Division:

Filename: 008_Allagash Plan 1.dgn

ITEM 610.08 PLAIN RIPRAP (PIPE INLET)
STA. 107+25 RT. TO STA. 107+47 RT.
STA. 108+40 RT. TO STA. 108+47 RT.

ITEM 610.16 HEAVY RIPRAP
STA. 105+74 LT. TO STA. 112+83 LT.

ITEM 610.08 PLAIN RIPRAP (FOR BENDWAY WEIRS)
A-1: STA. 103+52 LT. TO STA. 103+91 LT.
A-2: STA. 104+60 LT. TO STA. 105+06 LT.
A-3: STA. 105+70 LT. TO STA. 106+15 LT.
A-4: STA. 107+16 LT. TO STA. 107+73 LT.
A-5: STA. 108+62 LT. TO STA. 109+19 LT.

ITEM 610.163 EXTRA HEAVY RIPRAP
STA. 103+50 LT. TO STA. 114+52 LT.

LEGEND:

PLAIN RIPRAP

HEAVY RIPRAP

EXTRA HEAVY RIPRAP

EXISTING MATURE GROWTH
- DO NOT DISTURB

SHIM & OVERLAY

PAVEMENT BUTT JOINT

PLAN

A scale bar labeled "Scale of Feet" is shown. It has markings at 25, 0, 25, and 50. The segment from 0 to 25 is divided into five equal parts, each representing 5 feet.

Scale of Feet

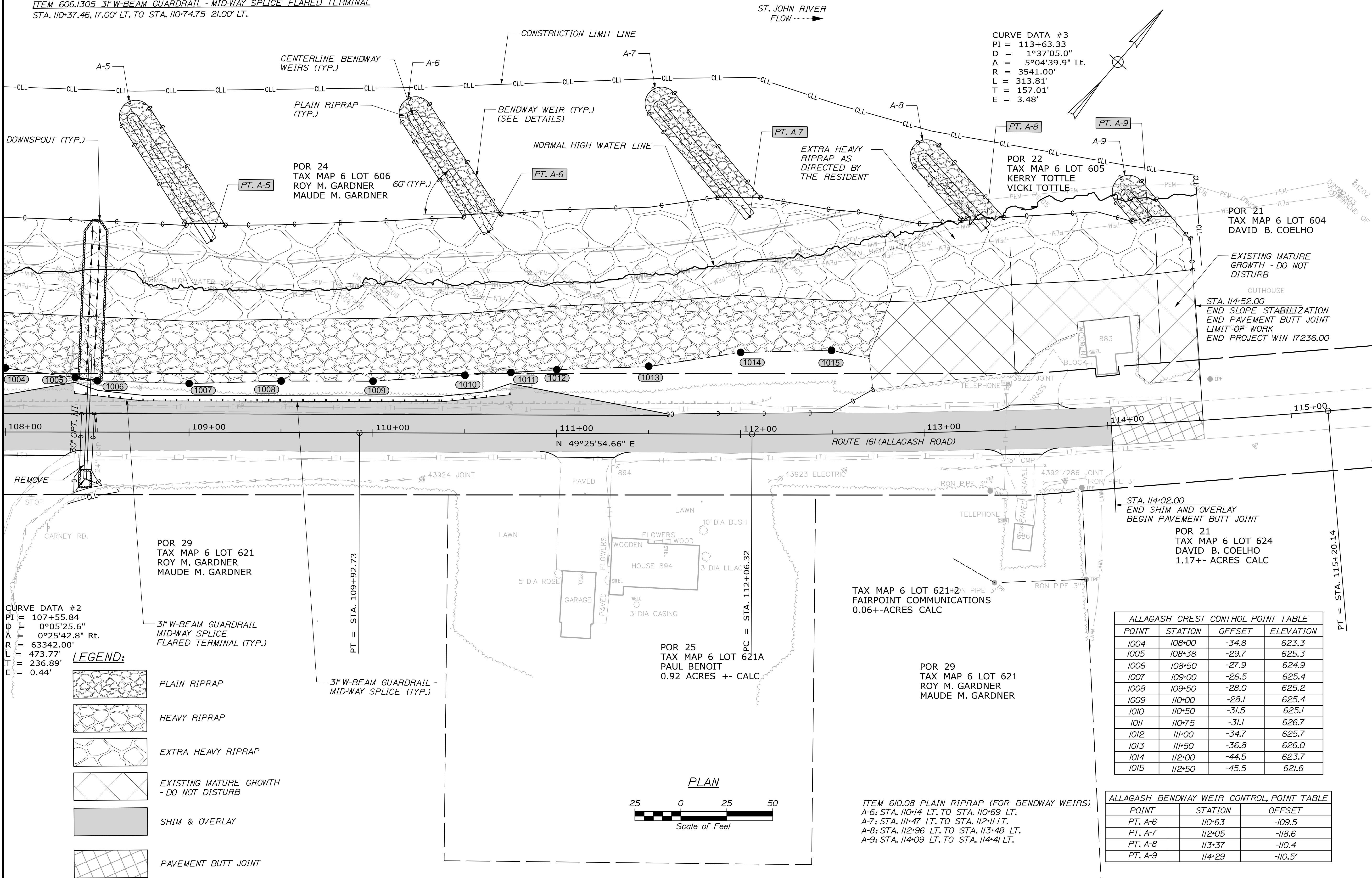
Date:1/16/2020

Username:

Division:

Filename: 009_Allagash Plan 2.dgn

ITEM 606.1305 3" W-BEAM GUARDRAIL - MID-WAY SPLICE FLARED TERMINAL
STA. 110+37.46, 17.00' LT. TO STA. 110+74.75 21.00' LT.



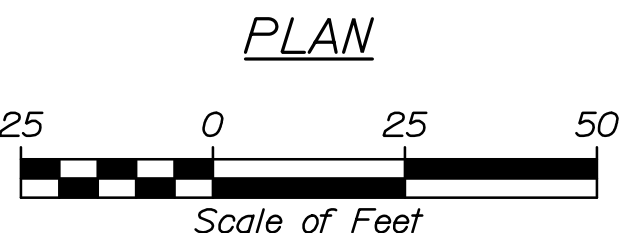
ST. JOHN RIVER
FLOW

CURVE DATA #3
PI = 113+63.33
D = 1°37'05.0"
Δ = 5°04'39.9" Lt.
R = 3541.00'
L = 313.81'
T = 157.01'
E = 3.48'

CURVE DATA #2
PI = 107+55.84
D = 0°05'25.6"
Δ = 0°25'42.8" Rt.
R = 63342.00'
L = 473.77'
T = 236.89'
E = 0.44'

LEGEND:

- PLAIN RIPRAP
- HEAVY RIPRAP
- EXTRA HEAVY RIPRAP
- EXISTING MATURE GROWTH - DO NOT DISTURB
- SHIM & OVERLAY
- PAVEMENT BUTT JOINT



TAX MAP 6 LOT 621+2
FAIRPOINT COMMUNICATIONS
0.06+-ACRES CALC

POR 29
TAX MAP 6 LOT 621
ROY M. GARDNER
MAUDE M. GARDNER

POR 25
TAX MAP 6 LOT 621A
PAUL BENOIT
0.92 ACRES +- CALC

ALLAGASH CREST CONTROL POINT TABLE			
POINT	STATION	OFFSET	ELEVATION
1004	108+00	-34.8	623.3
1005	108+38	-29.7	625.3
1006	108+50	-27.9	624.9
1007	109+00	-26.5	625.4
1008	109+50	-28.0	625.2
1009	110+00	-28.1	625.4
1010	110+50	-31.5	625.1
1011	110+75	-31.1	626.7
1012	111+00	-34.7	625.7
1013	111+50	-36.8	626.0
1014	112+00	-44.5	623.7
1015	112+50	-45.5	621.6

ALLAGASH BENDWAY WEIR CONTROL POINT TABLE		
POINT	STATION	OFFSET
PT. A-6	110+63	-109.5
PT. A-7	112+05	-118.6
PT. A-8	113+37	-110.4
PT. A-9	114+29	-110.5'

ITEM 610.08 PLAIN RIPRAP (FOR BENDWAY WEIRS)
A-6: STA. 110+14 LT. TO STA. 110+69 LT.
A-7: STA. 111+47 LT. TO STA. 112+11 LT.
A-8: STA. 112+96 LT. TO STA. 113+48 LT.
A-9: STA. 114+09 LT. TO STA. 114+41 LT.

STATE OF MAINE
DEPARTMENT OF TRANSPORTATION
1723600
WIN
17236.00
HIGHWAY PLANS

ALLAGASH-ST. FRANCIS
ROUTE 161
ALLAGASH PLAN

SHEET NUMBER
9
OF 44

PROJ. MANAGER	DATE	BY	DATE	SIGNATURE	P.E. NUMBER	DATE
DESIGN-DETAILED						
CHECKED-REVIEWED						
DESIGN-DETAILED						
DESIGN-DETAILED						
REVISIONS 1						
REVISIONS 2						
REVISIONS 3						
REVISIONS 4						
FIELD CHANGES						

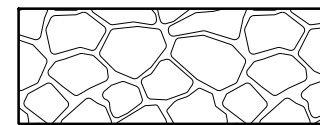
Date:1/16/2020

Username:

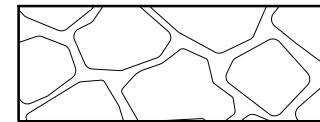
Division:

Filename: 010_St. Francis Plan 1.dgn

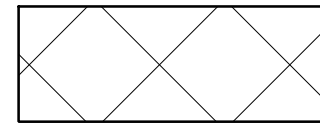
LEGEND:



HEAVY RIPRAP



EXTRA HEAVY RIPRAP



EXISTING MATURE GROWTH
- DO NOT DISTURB



SHIM & OVERLAY



PAVEMENT BUTT JOINT

CURVE DATA #1
PI = 2+87.10
D = 5°46'32.8"
Δ = 19°21'42.2" Lt.
R = 992.00'
L = 335.22'
T = 169.22'
E = 14.33'

STA. 2+43.00
BEGIN SLOPE STABILIZATION

STA. 2+35.00
BEGIN PROJECT WIN 17236.00
BEGIN PAVEMENT BUTT JOINT
LIMIT OF WORK

EXISTING MATURE
GROWTH - DO NOT
DISTURB

POR 11
TAX MAP 24 LOT 6
FRANKLIN THERIAULT
0.9+- ACRES CALC.

SEE CULVERT STONE DITCH
DETAIL ON SHEET 3

STA. 3+00.00
END PAVEMENT BUTT JOINT
BEGIN SHIM AND OVERLAY

POR 12
TAX MAP 24 LOT 14
JAMES F. HAFFORD
0.75+-ACRES CALC.

ST FRANCIS CREST CONTROL POINT TABLE			
POINT	STATION	OFFSET	ELEVATION
2000	4+50	-84.4	560.8
2001	4+77	-79.5	560.0
2002	5+00	-84.1	558.6
2003	5+13	-78.6	560.0
2004	5+50	-74.4	561.7
2005	6+00	-69.2	562.1
2006	6+50	-64.6	561.4
2007	7+00	-58.7	561.2
2008	7+50	-53.5	561.4
2009	8+00	-51.1	561.0
2010	8+50	-48.4	561.6
2011	9+00	-49.2	561.0

ST FRANCIS BENDWAY WEIR CONTROL POINT TABLE		
POINT	STATION	OFFSET
PT. SF-1	2+89	-144.3
PT. SF-2	3+68	-139.7
PT. SF-3	4+71	-138.8
PT. SF-4	6+28	-125.1
PT. SF-5	7+92	-108.1

PLAN



ITEM 2011 CLEARING

STA. 4+36 LT. TO STA. 4+77 LT.
STA. 5+40 LT. TO STA. 7+96 LT.

ITEM 610.08 PLAIN RIPRAP (PIPE INLET)

STA. 4+51 RT. TO STA. 4+61 RT.

ITEM 610.16 HEAVY RIPRAP

STA. 4+50 LT. TO STA. 4+86 LT.
STA. 5+04 LT. TO STA. 13+91 LT.

ITEM 610.16 HEAVY RIPRAP (FOR BENDWAY WEIRS)

SF-1: STA. 2+61 LT. TO STA. 3+05 LT.
SF-2: STA. 3+38 LT. TO STA. 3+84 LT.
SF-3: STA. 4+47 LT. TO STA. 4+85 LT.
SF-4: STA. 6+00 LT. TO STA. 6+42 LT.
SF-5: STA. 7+59 LT. TO STA. 8+05 LT.

ITEM 610.163 EXTRA HEAVY RIPRAP
STA. 2+43 LT. TO STA. 15+11 LT.

ITEM 610.18 STONE DITCH PROTECTION

STA. 4+76 LT. TO STA. 5+04 LT.
STA. 4+94 LT. TO STA. 5+00 LT.

ITEM 613.319 EROSION CONTROL BLANKET
STA. 4+94 LT. TO STA. 8+00 LT.

CURVE DATA #2
PI = 8+91.00
D = 2°29'28.0"
Δ = 10°35'00.0" Rt.
R = 2300.00'
L = 424.84'
T = 213.03'
E = 9.84'

POR 8
TAX MAP 24 LOT 12
CAROL ANNE E. MACKENZIE
RUDY PELLETIER
1.33+- ACRES CALC.

STATE OF MAINE
DEPARTMENT OF TRANSPORTATION
1723600
WIN
17236.00
HIGHWAY PLANS

PROJ. MANAGER	DESIGN-DETAILED	CHECKED-REVIEWED	DESIGN-DETAILED	DESIGN-DETAILED	REVISIONS 1	REVISIONS 2	REVISIONS 3	REVISIONS 4	FIELD CHANGES

DATE	BY	R.S.O.C.Y.	SIGNATURE	P.E. NUMBER	DATE

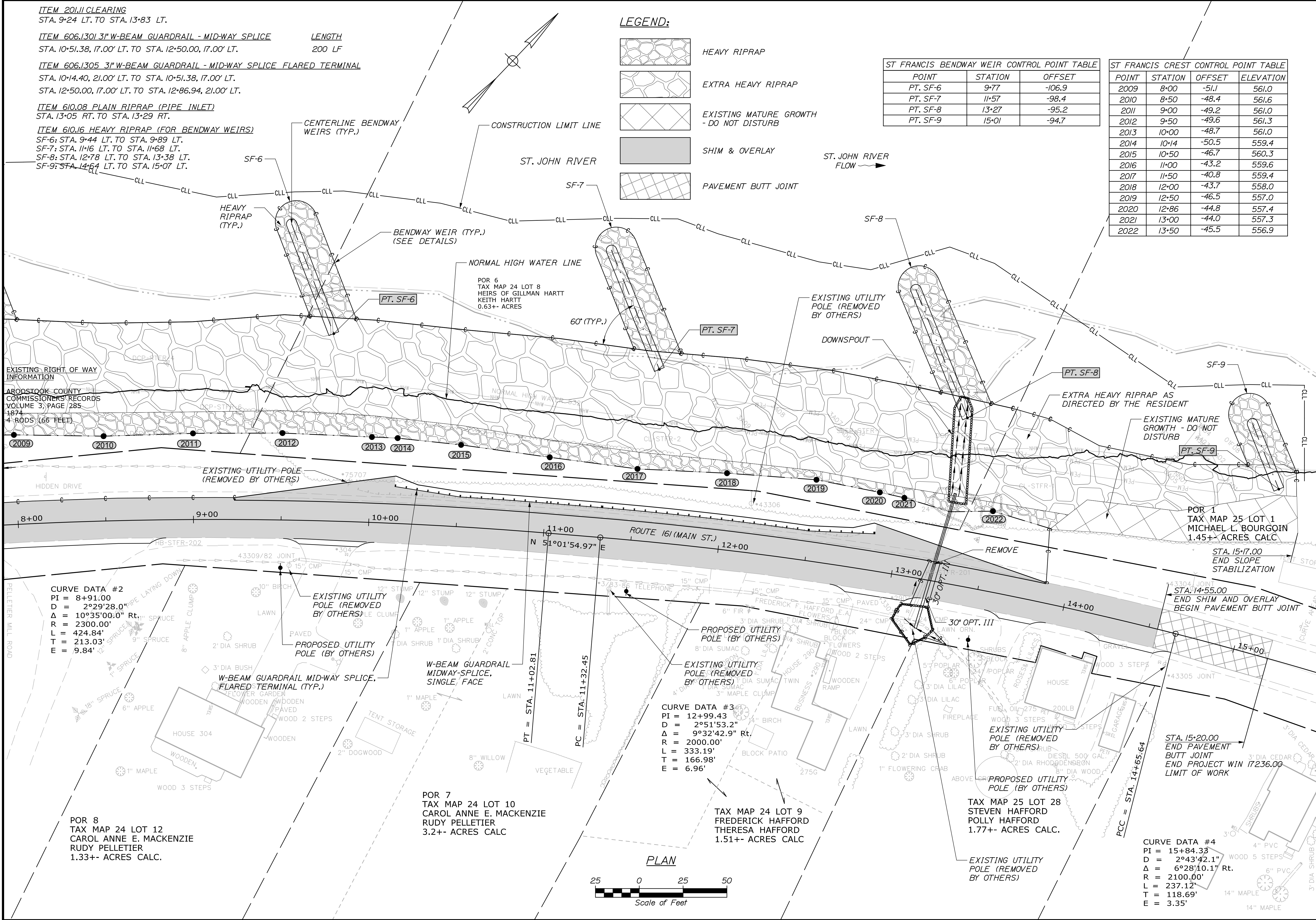
ALLAGASH-ST. FRANCIS
ROUTE 161
ST. FRANCIS PLAN
SHEET NUMBER
10
OF 44

Date:1/16/2020

Username:

Division:

Filename: 011_St. Francis Plan 2.dgn



STATE OF MAINE

DEPARTMENT OF TRANSPORTATION

1723600

WIN

HIGHWAY PLANS

DATE

SIGNATURE

P.E. NUMBER

DATE

PROJ. MANAGER

DATE

BY

DATE

R.S.O.U.C.Y.

CHECKED-REVIEWED

DESIGNED-DETAILED

DESIGNED-DETAILED

REVISIONS 1

REVISIONS 2

REVISIONS 3

REVISIONS 4

FIELD CHANGES

ALLAGASH-ST. FRANCIS

ROUTE 161

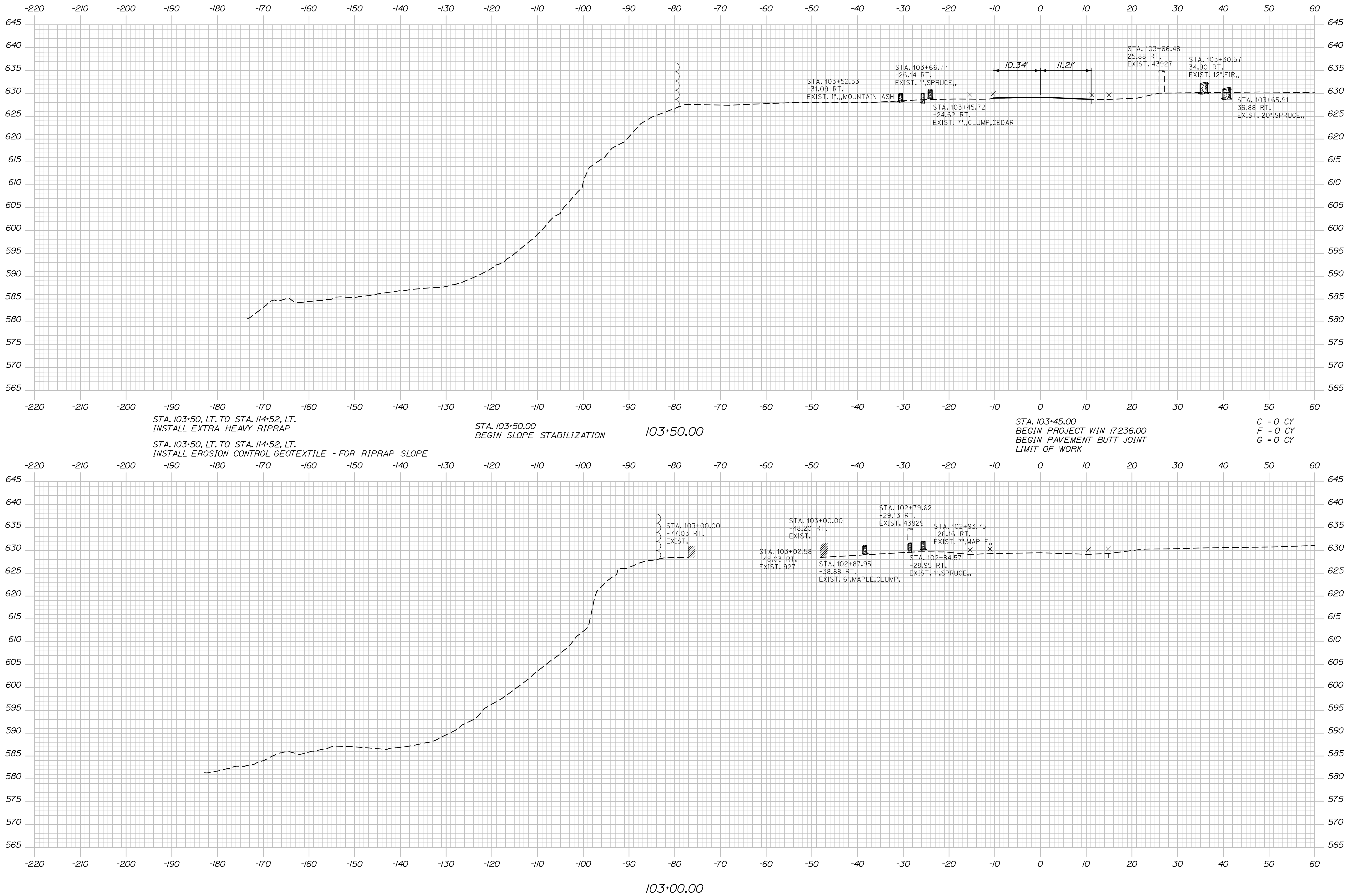
ST. FRANCIS PLAN

SHEET NUMBER

11

OF 44

Filename: Xsection_Allagash.dgn



STATE OF MAINE	
DEPARTMENT OF TRANSPORTATION	
1723600	
WIN	HIGHWAY PLANS
17236.00	

PROJ. MANAGER	R. SOUTCY	BY	DATE
DESIGN-DETAILED			
CHECKED-REVIEWED			
DESIGN-2-DET. AILED2	-	-	-
DESIGN-3-DET. AILED3	-	-	-
REVISIONS 1	-	-	-
REVISIONS 2	-	-	-
REVISIONS 3	-	-	-
REVISIONS 4	-	-	-
FIELD CHANGES	-	-	-

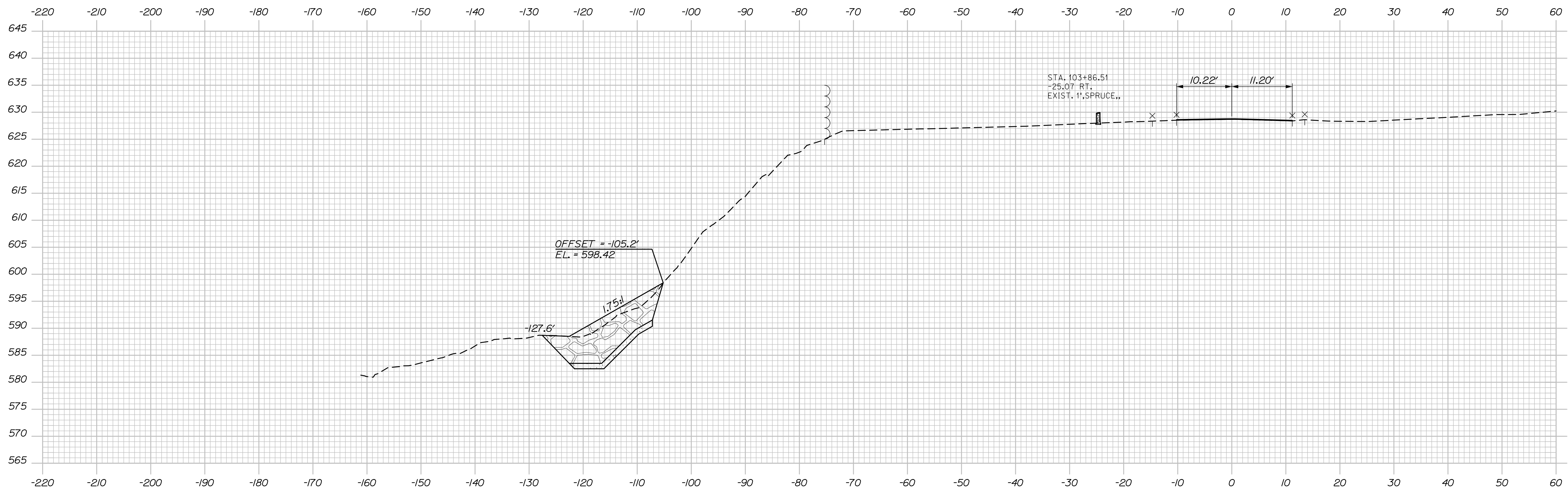
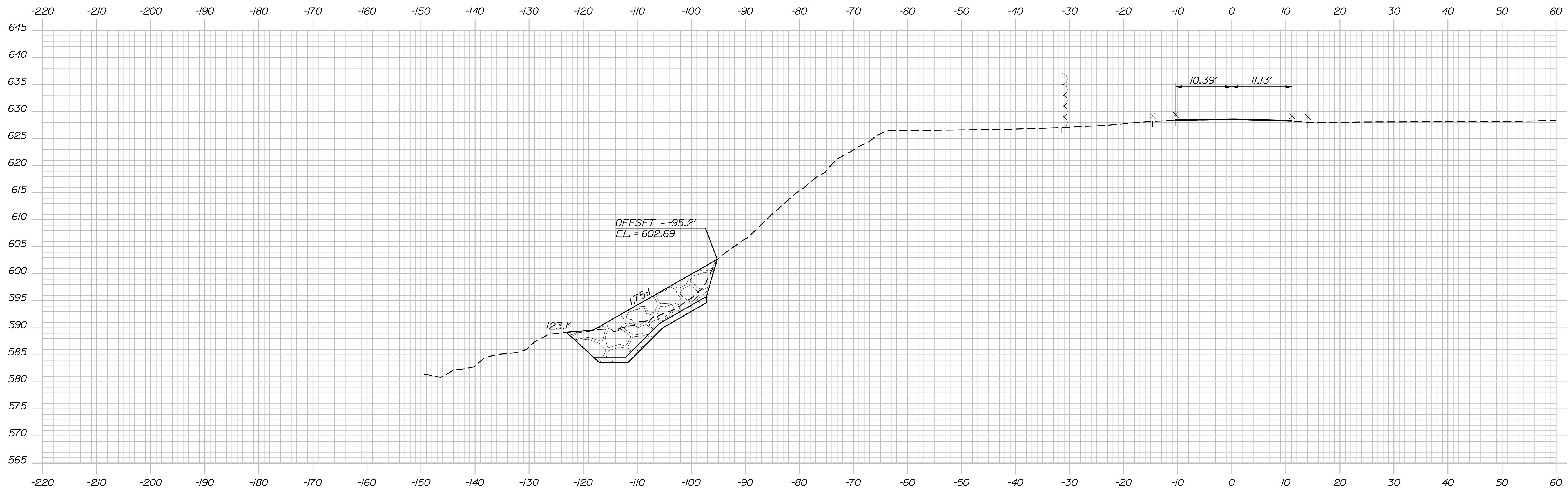
ALLAGASH-ST. FRANCIS
 ROUTE 161

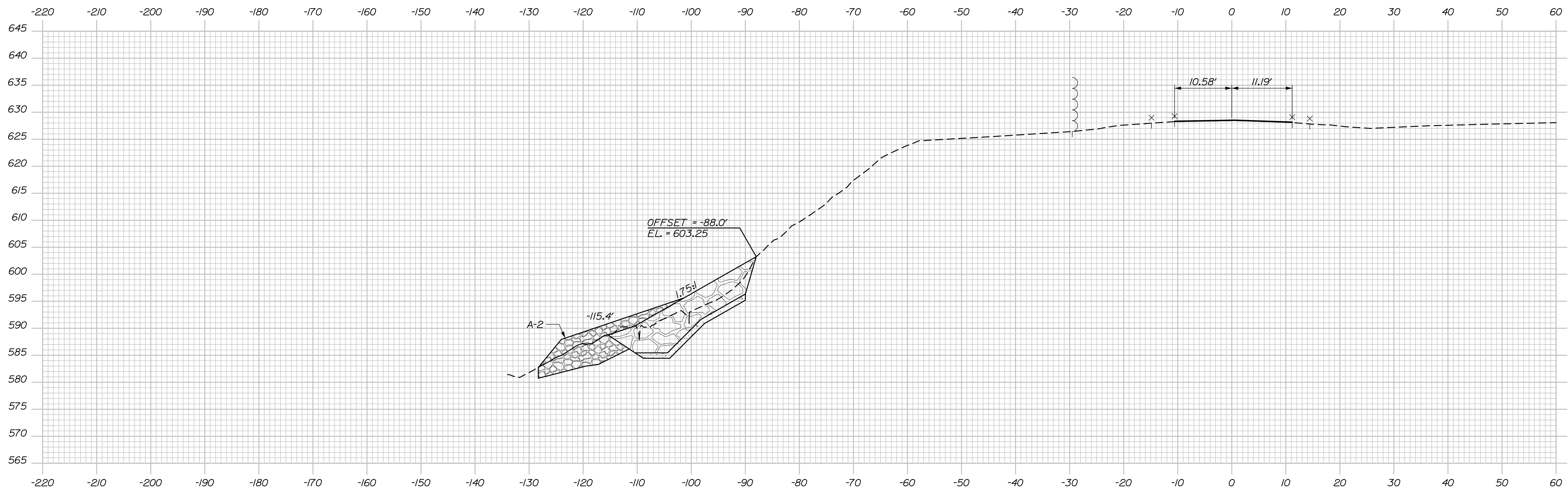
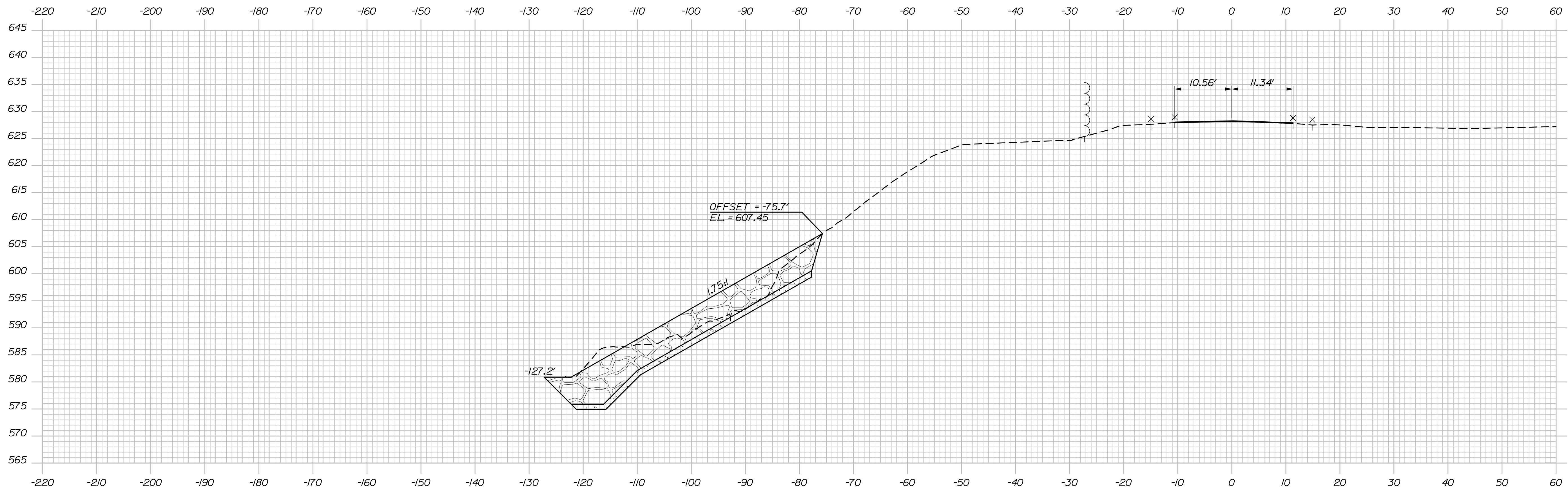
 CROSS SECTIONS
 ALLAGASH

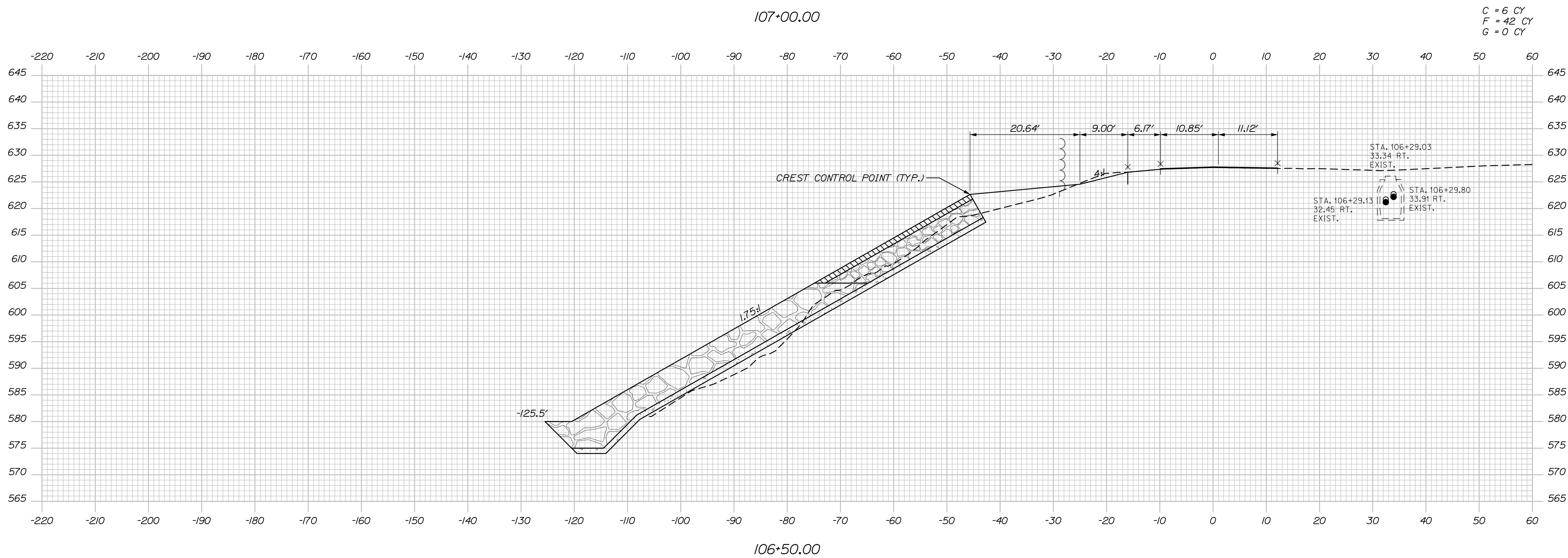
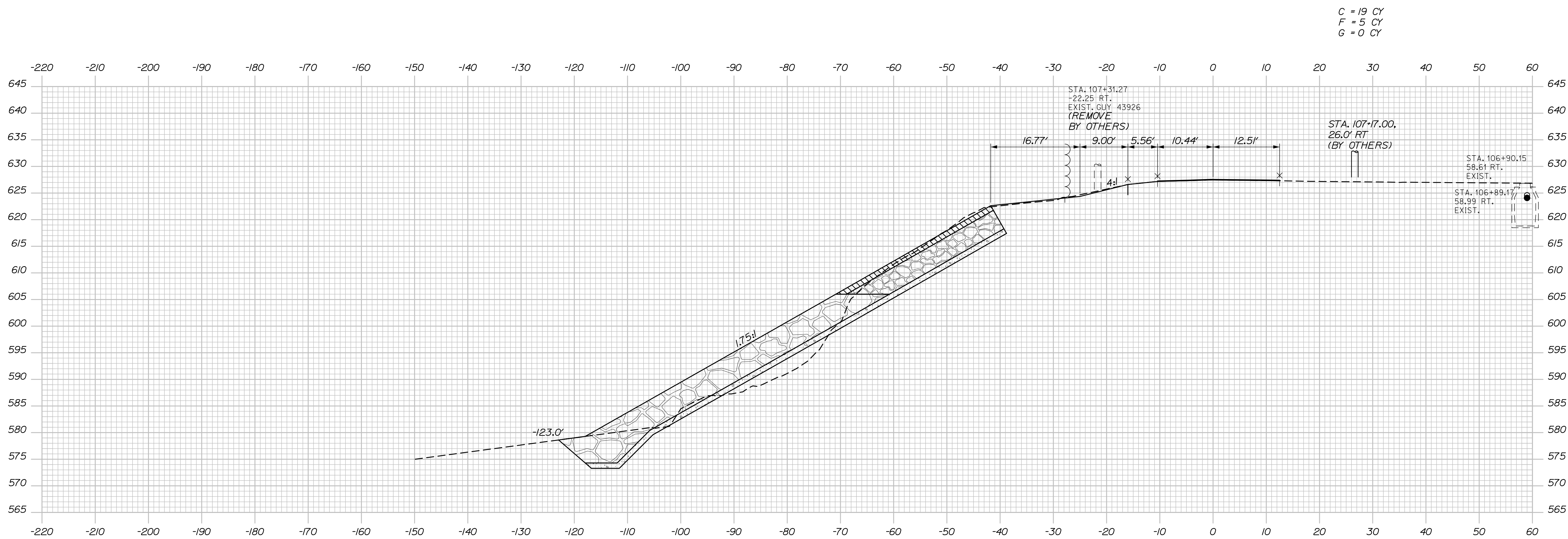
SHEET NUMBER

12

OF 44







STATE OF MAINE
DEPARTMENT OF TRANSPORTATION

1723600

**WIN
17236.00**

PROJ. MANAGER	BY	DATE	
DESIGN-DETAILED			SIGNATURE
CHECKED-REVIEWED			
DESIGN-DETAILED2	-	-	
DESIGN-DETAILED3	-	-	P.E. NUMBER
REVISIONS 1	-	-	
REVISIONS 2	-	-	
REVISIONS 3	-	-	DATE
REVISIONS 4	-	-	
REVISIONS 5	-	-	

ALLAGASH-ST. FRANCIS
ROUTE 161

CROSS SECTIONS

SHEET NUMBER

16

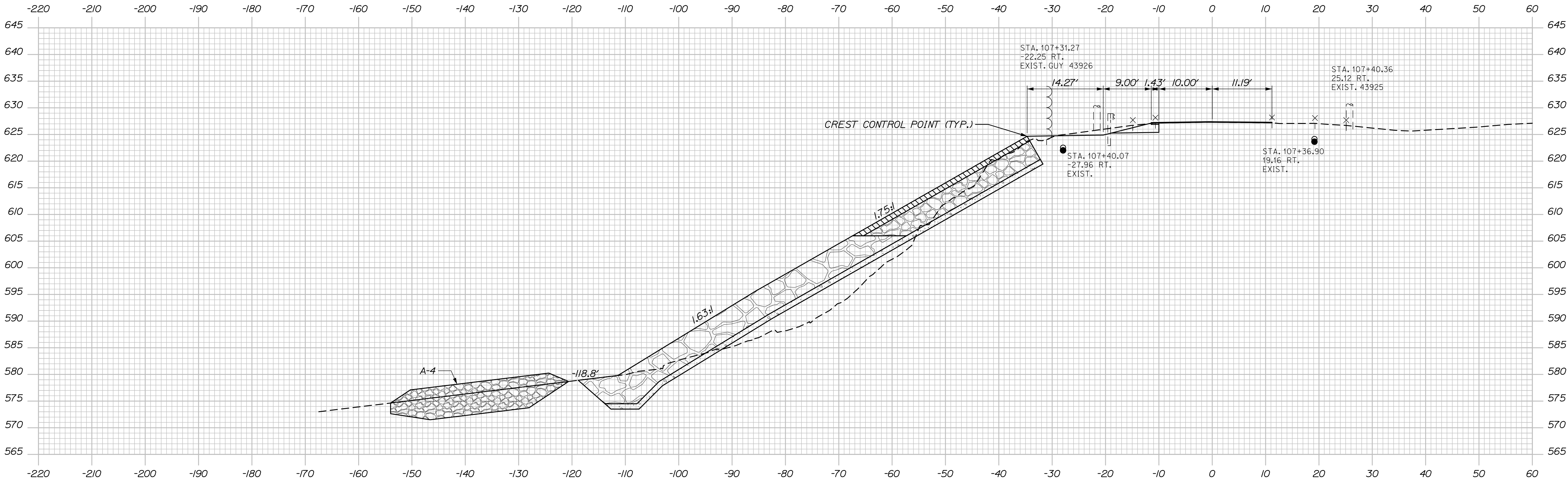
OF 44

Sta. 106+50.00 to Sta. 107+00.00

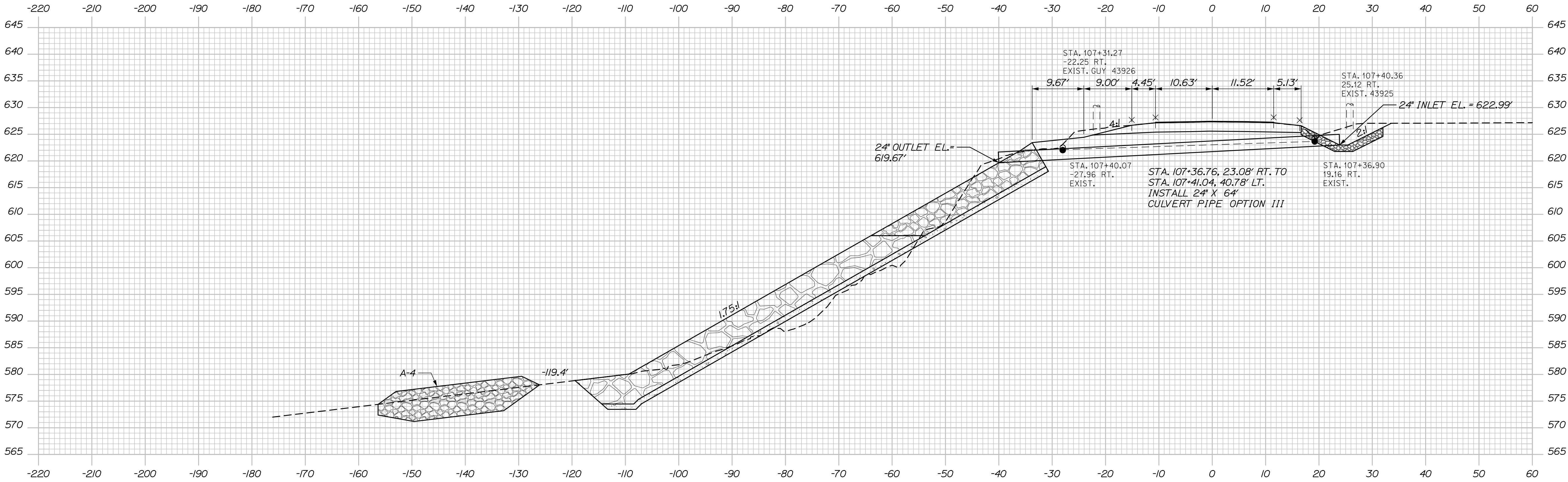
Username: Date:1/16/2020

Division:

Filename: Xsection_Allagash.dgn



107+50.00



107+38.31 SKEWED

STA. 107+35, LT. TO STA. 107+47, LT.
INSTALL DOWNSPOUT

STA. 107+35, LT. TO STA. 107+47, LT.
INSTALL EROSION CONTROL
GEOTEXTILE - FOR DOWNSPOUT

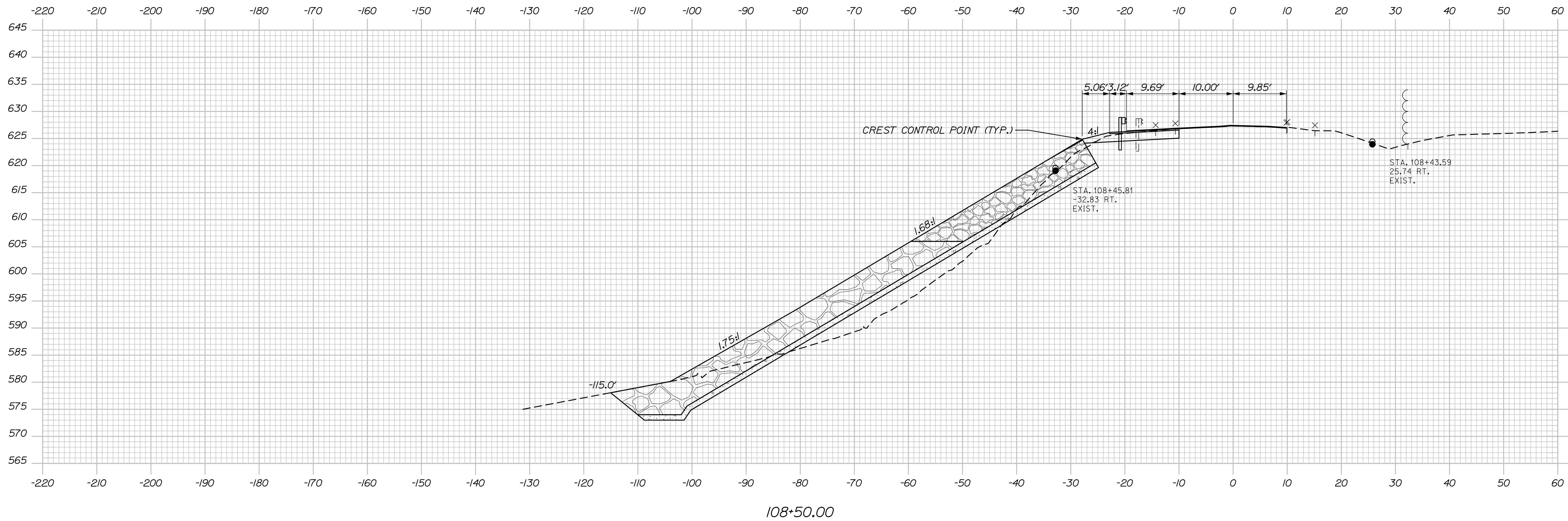
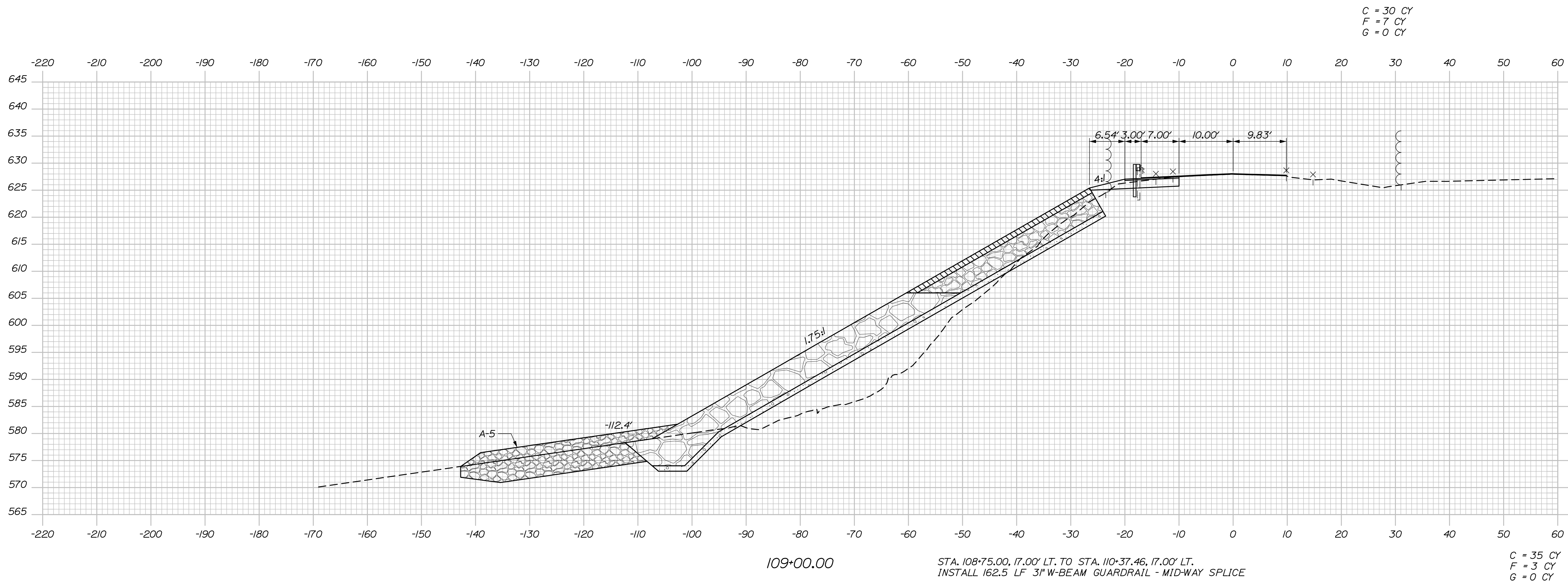
STA. 107+25, RT. TO STA. 107+47, RT.
INSTALL PLAIN RIPRAP

STA. 107+25, RT. TO STA. 107+47, RT.
INSTALL EROSION CONTROL GEOTEXTILE

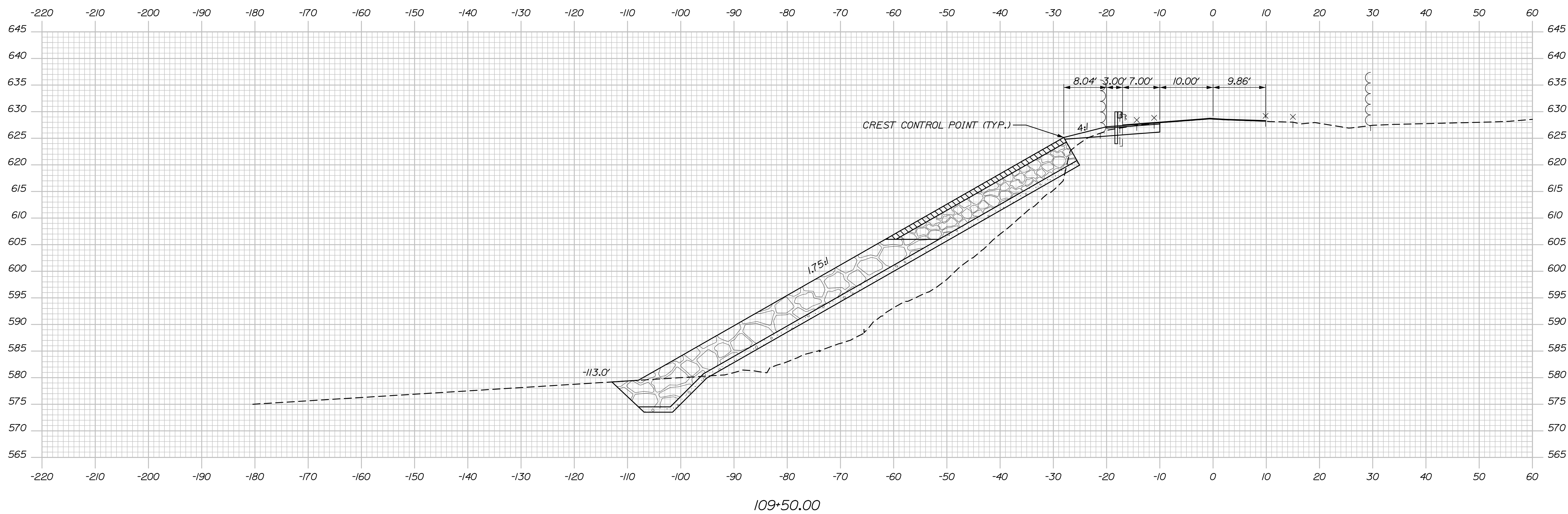
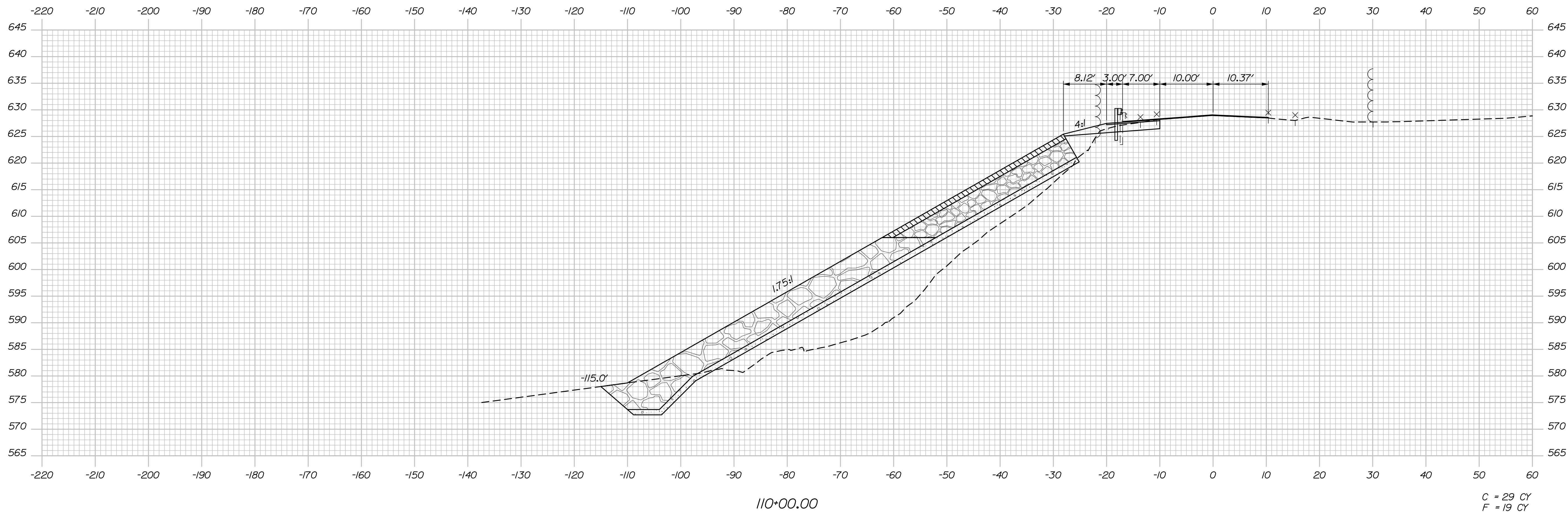
C = 34 CY
F = 11 CY
G = 0 CY

STATE OF MAINE		DEPARTMENT OF TRANSPORTATION		1723600		WIN		17236.00		HIGHWAY PLANS	
ALLAGASH-ST. FRANCIS		ROUTE 161		CROSS SECTIONS		ALLAGASH		SHEET NUMBER		17	
										OF 44	

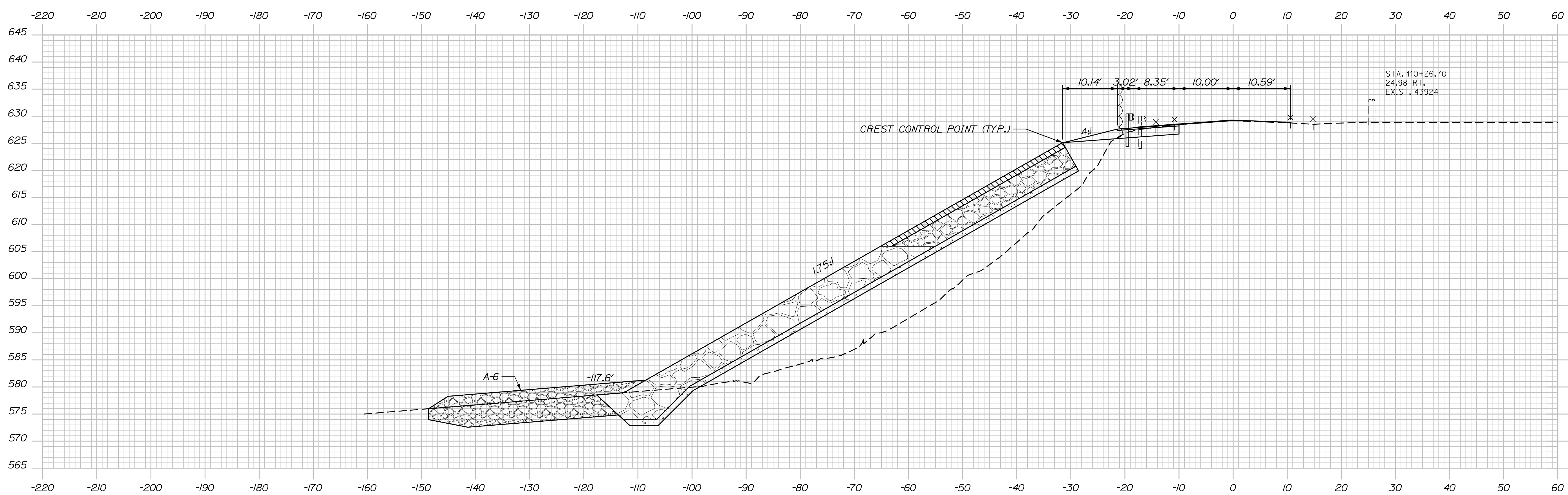
Filename: Xsection_Allagash.dgn



ALLAGASH-ST. FRANCIS ROUTE 161 CROSS SECTIONS ALLAGASH	PROJ. MANAGER		R.SOU'CY	BY	DATE	STATE OF MAINE DEPARTMENT OF TRANSPORTATION
	DESIGN-DETAILED					
	CHECKED-REVIEWED				SIGNATURE	
	DESIGNS-DETAILED02	-	-	-		
	DESIGNS-DETAILED03	-	-	-	P.E. NUMBER	
	REVIEWS 1	-	-	-		
	REVIEWS 2	-	-	-		WIN 17236.00 HIGHWAY PLANS
	REVIEWS 3	-	-	-	DATE	
	REVIEWS 4	-	-	-		
	FIELD CHANGES	-	-	-		



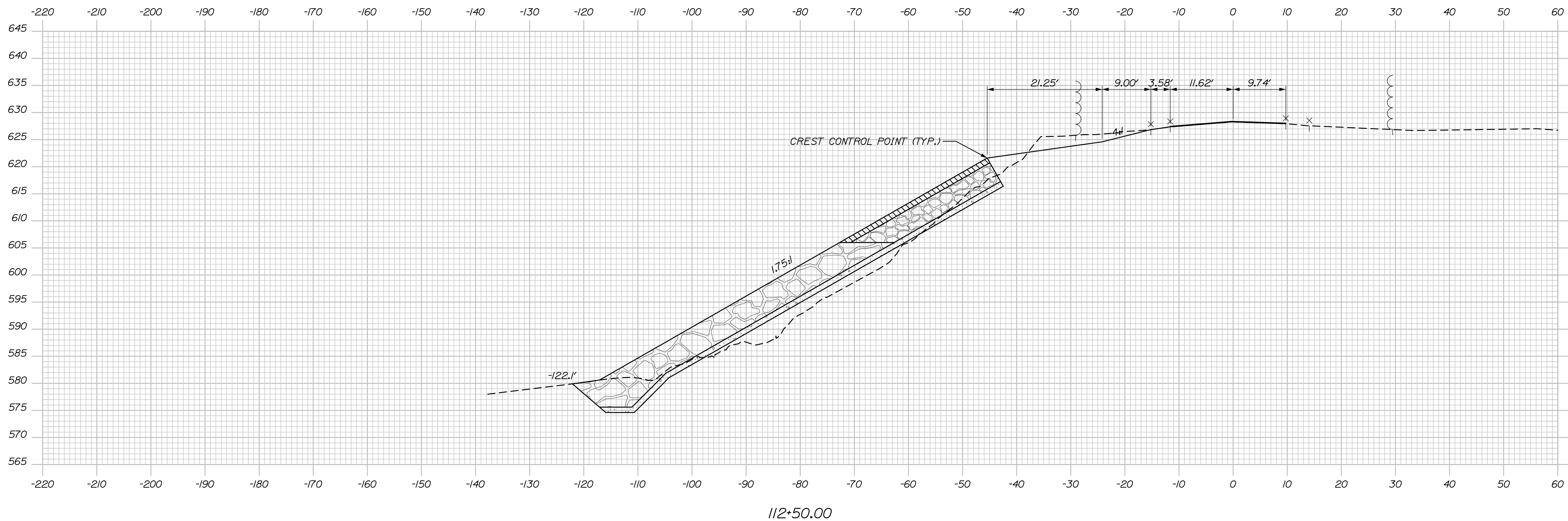
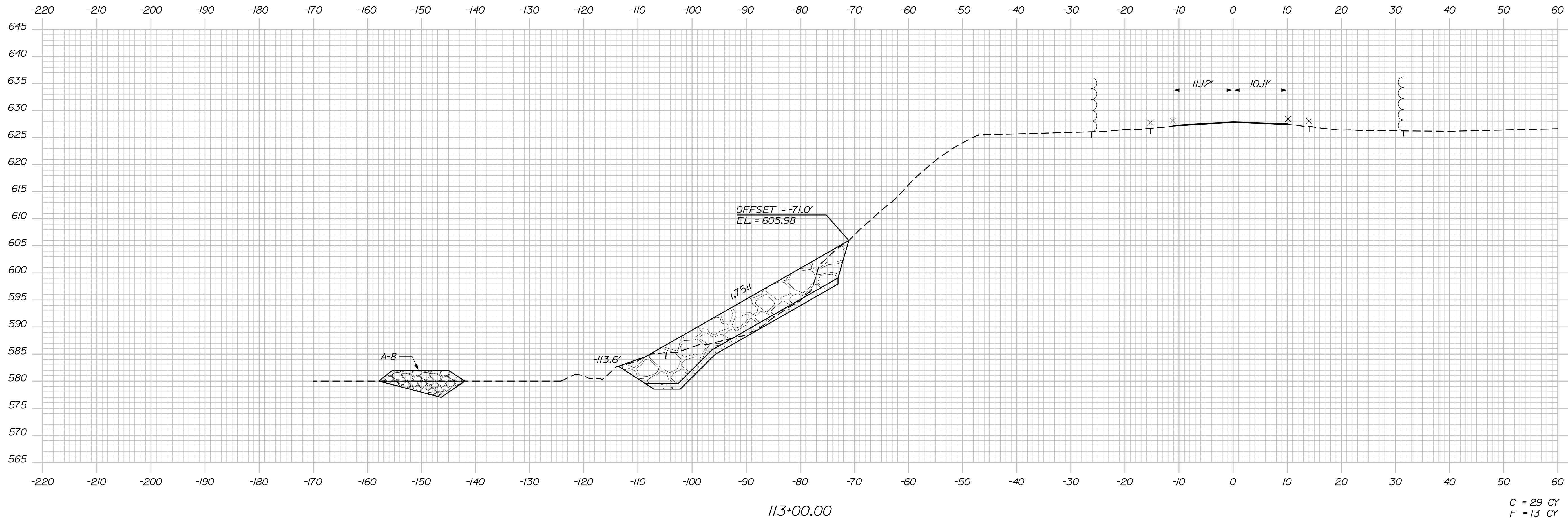
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STA. 110+37.46, 17.00' LT. TO STA. 110+74.75, 21.00' LT.
INSTALL 3" W-BEAM GUARDRAIL - MID-WAY SPLICE FLARED TERMINAL

21 OF 44	SHEET NUMBER	ALLAGASH-ST. FRANCIS ROUTE 161				PROJ. MANAGER	R.SOU/CY	BY	DATE	STATE OF MAINE DEPARTMENT OF TRANSPORTATION 1723600 WIN 17236.00 HIGHWAY PLANS
		CROSS SECTIONS ALLAGASH				DESIGN-DETAILED				
						CHECKED-REVIEWED			SIGNATURE	
						DESIGNS-DETAILED 2	-	-		
						DESIGNS-DETAILED 3	-	-	P.E. NUMBER	
						REVISIONS 1	-	-		
						REVISIONS 2	-	-		
						REVISIONS 3	-	-	DATE	
						REVISIONS 4	-	-		
						FIELD CHANGES	-	-	-	

Filename: Xsection_Allagash.dgn



$C = 0$ CY
 $F = 0$ CY
 $G = 0$ CY

STATE OF MAINE	
DEPARTMENT OF TRANSPORTATION	
1723600	
WIN	HIGHWAY PLANS
17236.00	

PROJ. MANAGER	R. SUCY	BY	DATE
DESIGN-DETAILED			
CHECKED-REVIEWED			
DESIGN2-DETAILED2	-	-	
DESIGN3-DETAILED3	-	-	
REVISIONS 1	-	-	
REVISIONS 2	-	-	
REVISIONS 3	-	-	
REVISIONS 4	-	-	
FIELD CHANGES	-	-	

ALLAGASH-ST. FRANCIS
ROUTE 161

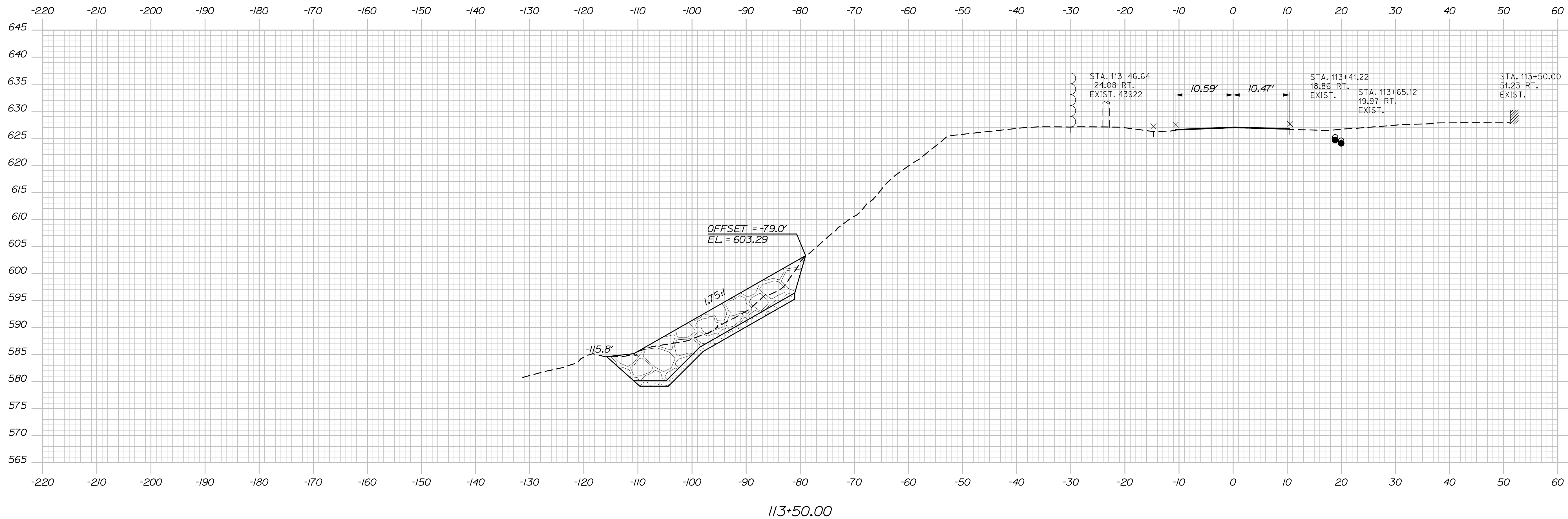
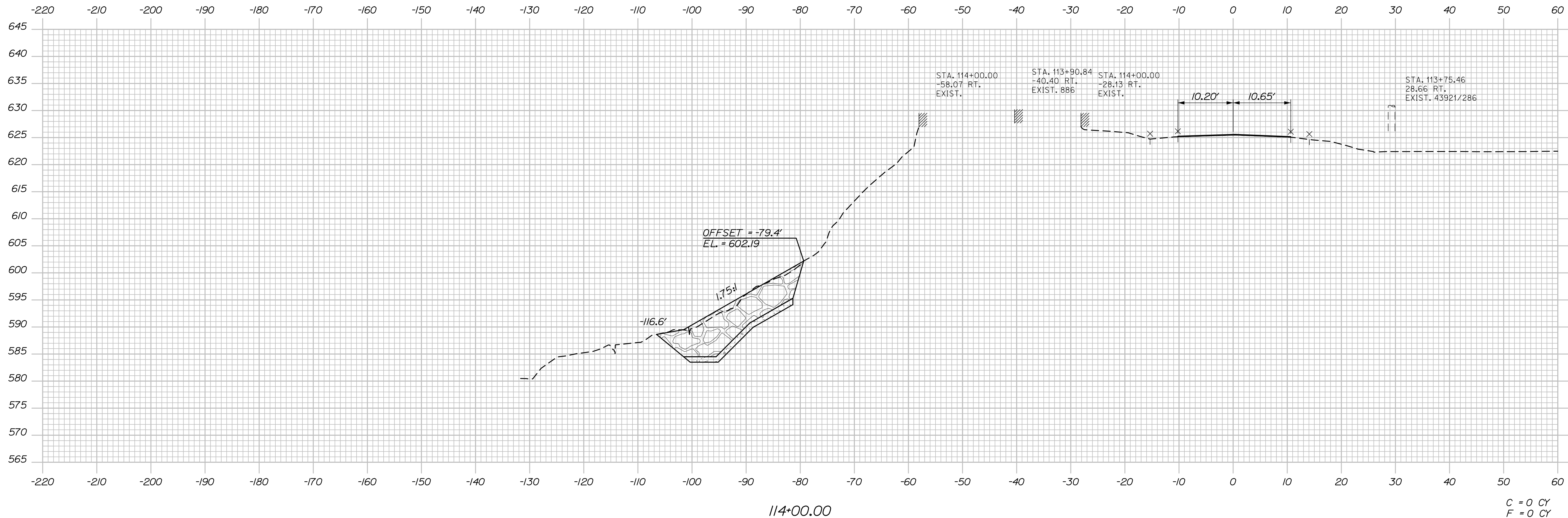
CROSS SECTIONS
ALLAGASH

SHEET NUMBER

23

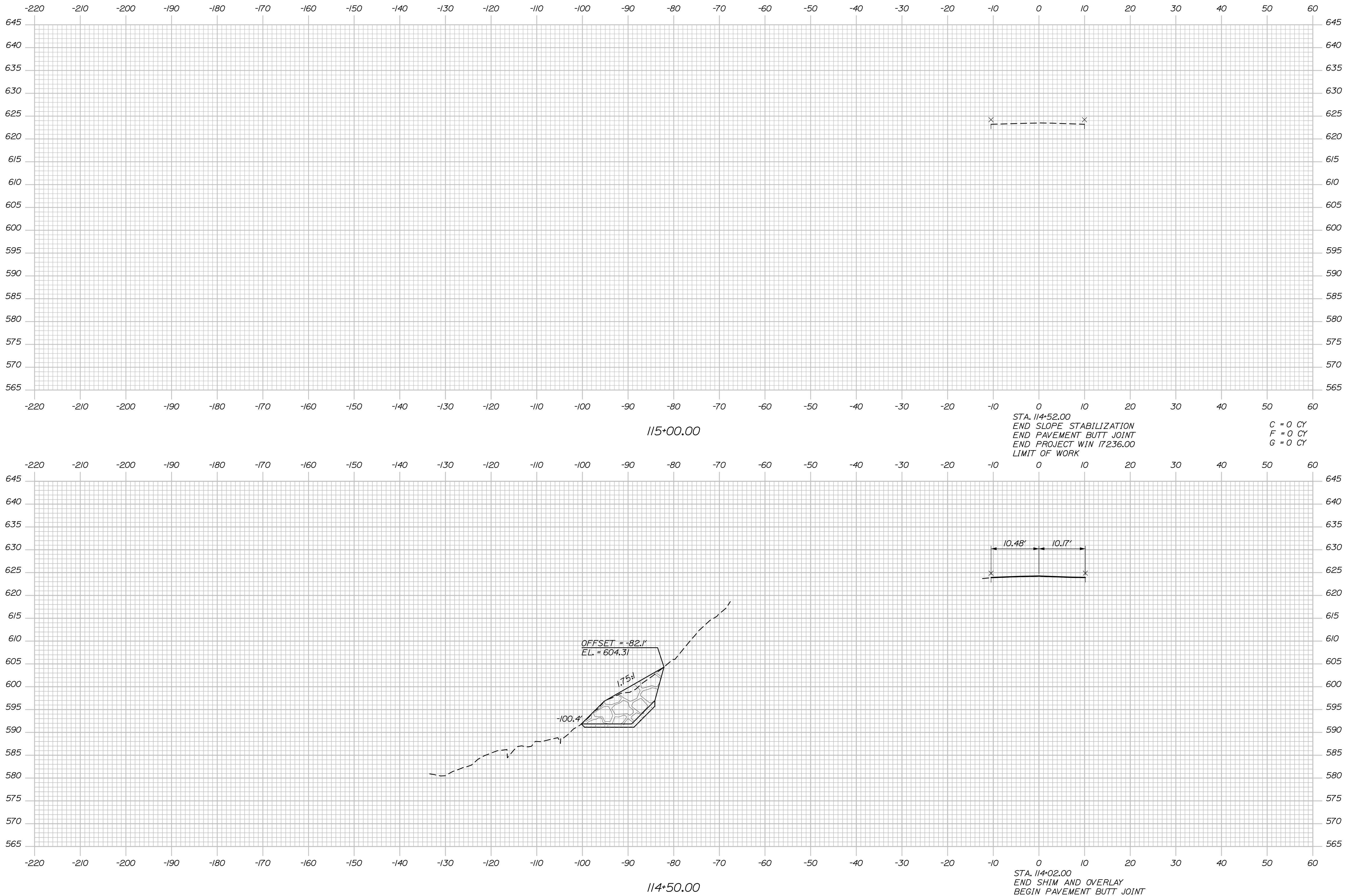
OF 44

Filename: Xsection_Allagash.dgn



24 OF 44 SHEET NUMBER	ALLAGASH-ST. FRANCIS ROUTE 161		PROJ. MANAGER	R.SOURCE	BY	DATE	STATE OF MAINE DEPARTMENT OF TRANSPORTATION 1723600 WIN 17236.00 HIGHWAY PLANS
			DESIGN-DETAILED				
			CHECKED-REVIEWED			SIGNATURE	
			DESIGN2-DETAILED2	-	-		
			DESIGN3-DETAILED3	-	-		
			REVISIONS 1	-	-	P.E. NUMBER	
			REVISIONS 2	-	-		
			REVISIONS 3	-	-	DATE	
			REVISIONS 4	-	-		
			FIELD CHANGES	-	-		

Filename: Xsection_Allagash.dgn



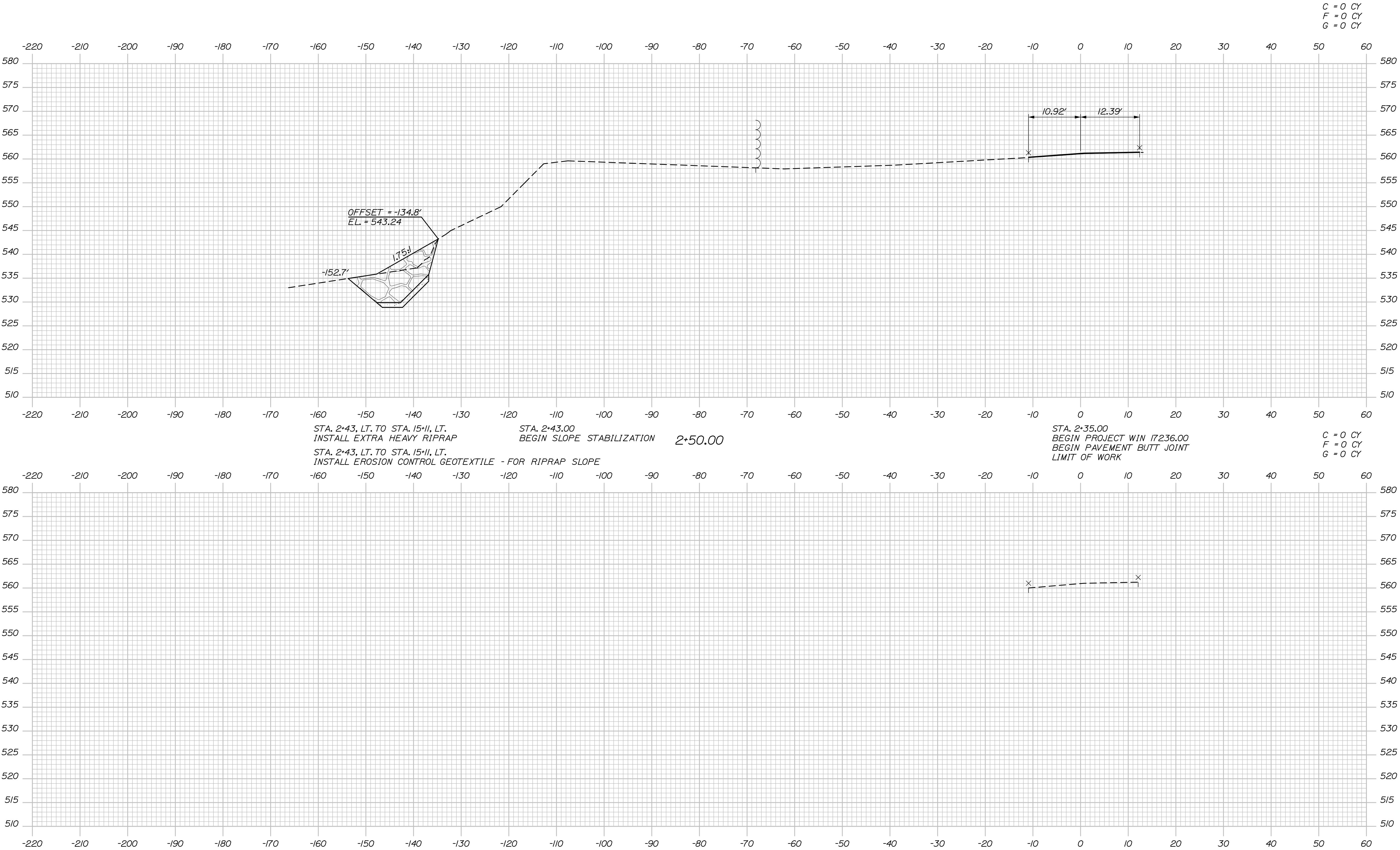
ALLAGASH-ST. FRANCIS ROUTE 161 CROSS SECTIONS ALLAGASH	SHEET NUMBER		25		OF 44	
	PROJ. MANAGER		R.SUCY	BY	DATE	STATE OF MAINE DEPARTMENT OF TRANSPORTATION 1723600 WIN 17236.00 HIGHWAY PLANS
	DESIGN-DETAILED					
	CHECKED-REVIEWED				SIGNATURE	
	DESIGN2-DETAILED2		-	-		
DESIGN3-DETAILED3		-	-	P.E. NUMBER		
		REVISIONS 1				
		REVISIONS 2				
		REVISIONS 3				
		REVISIONS 4			DATE	
		FIELD CHANGES				

Date:1/16/2020

Username:

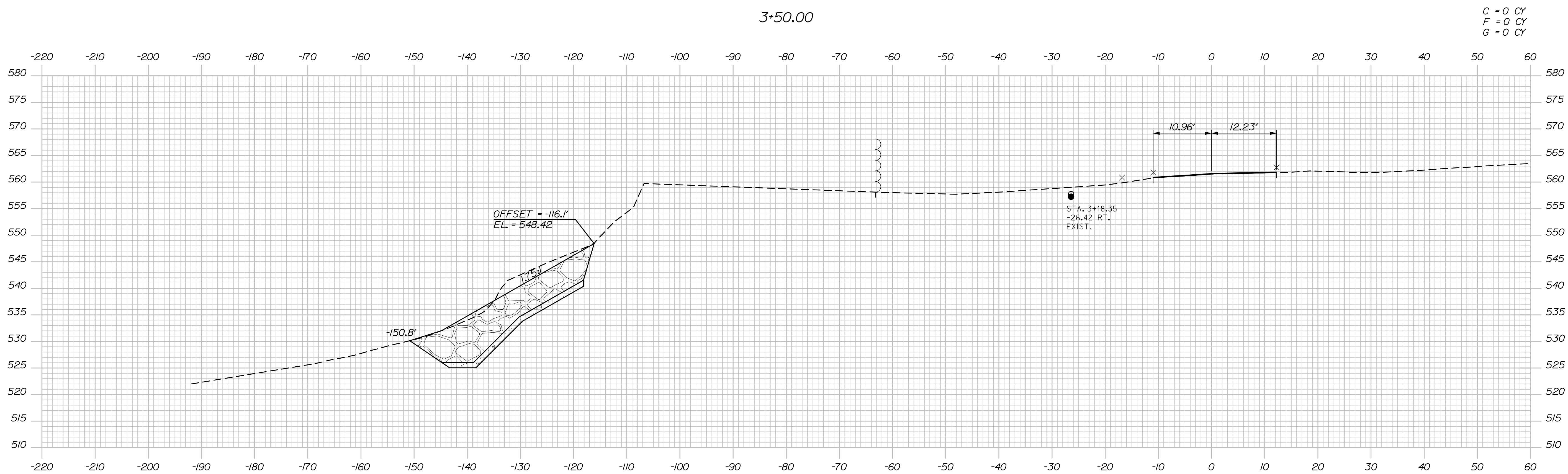
Division:

Filename: Xsection_St.Francis.dgn

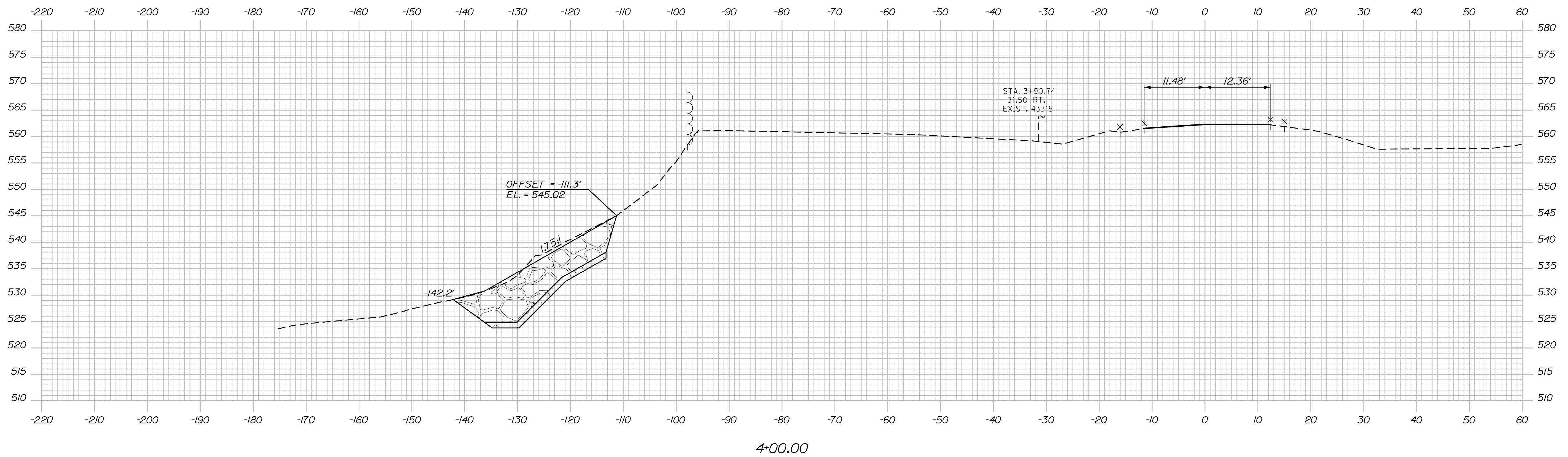
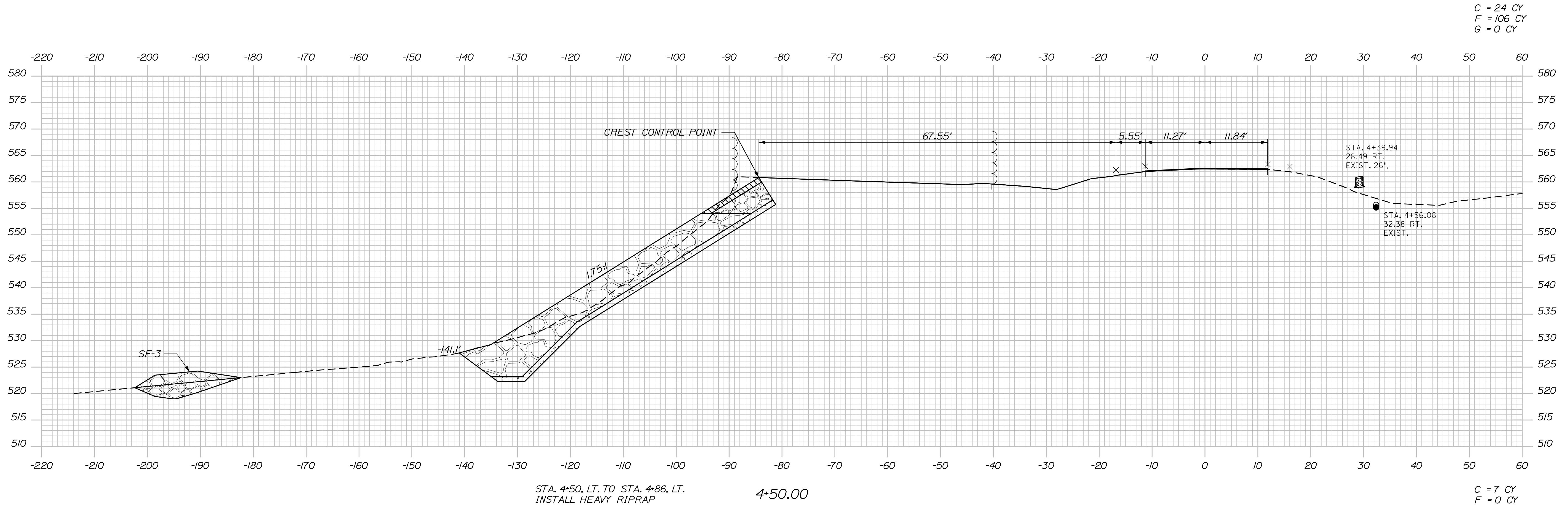


STATE OF MAINE		DEPARTMENT OF TRANSPORTATION		1723600	
SIGNATURE		P.E. NUMBER		DATE	
BY		DATE		WIN	
R.S.OUCY		17236.00		HIGHWAY PLANS	
PROJ. MANAGER		SHEET NUMBER		26	
DESIGN-DETAILED		OF 44		Sta. 2+00.00 to Sta. 2+50.00	
CHECKED-REVIEWED					
DESIGN-DETAILED					
REVISIONS 1					
REVISIONS 2					
REVISIONS 3					
REVISIONS 4					
FIELD CHANGES					

Filename: Xsection_St.Francis.dgn

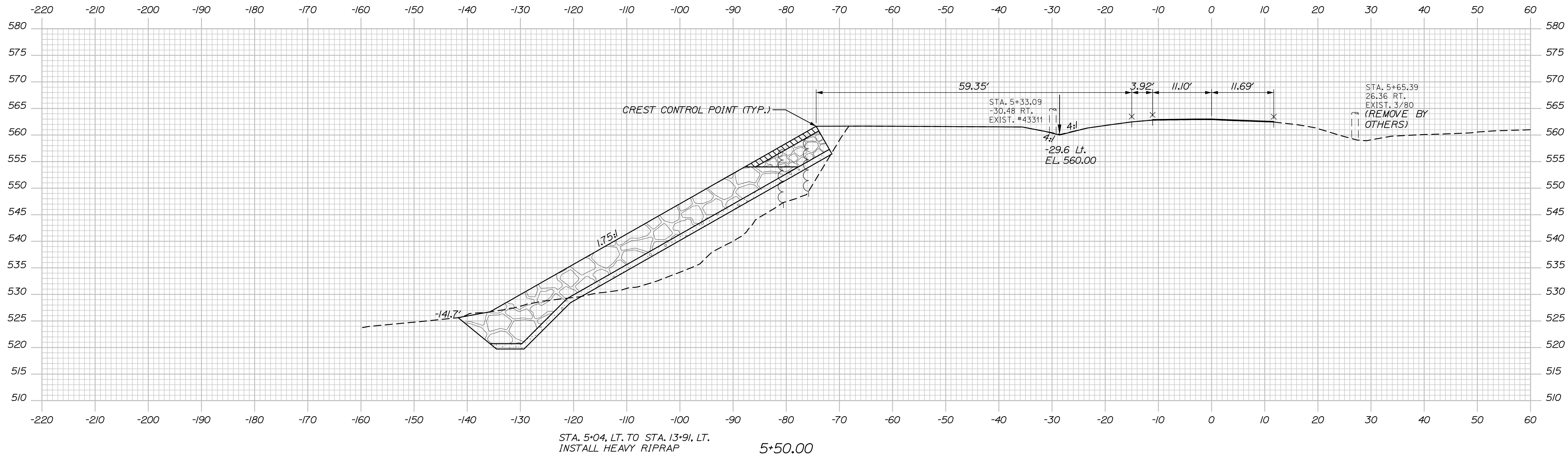


Sta. 3+00.00 to Sta. 3+50.00

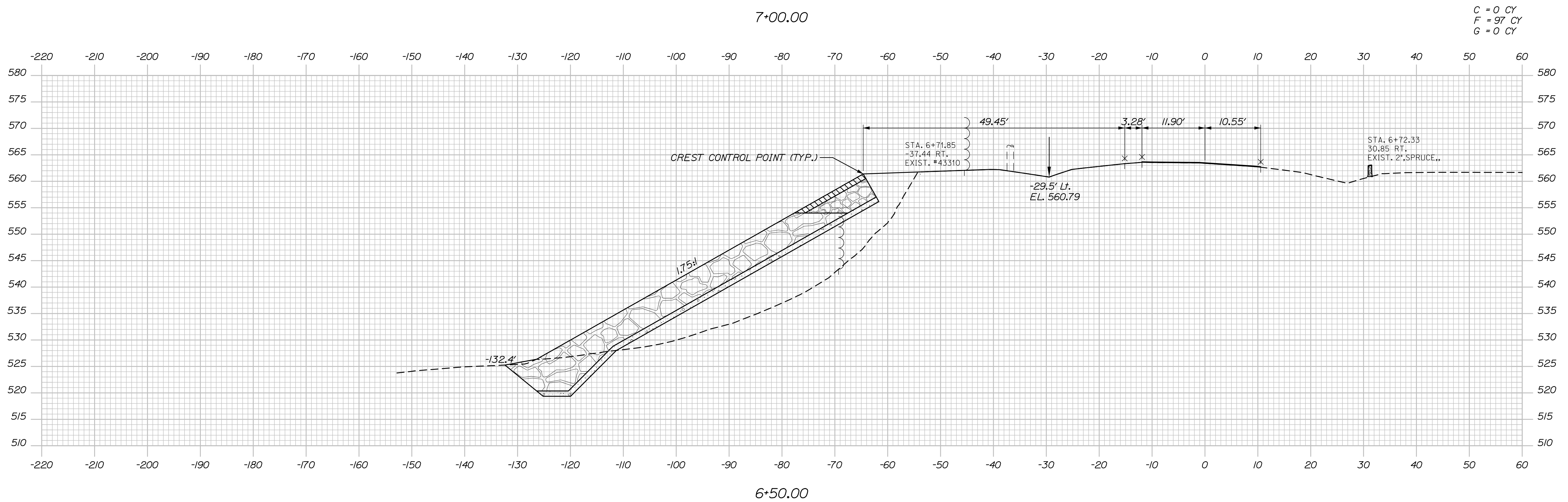
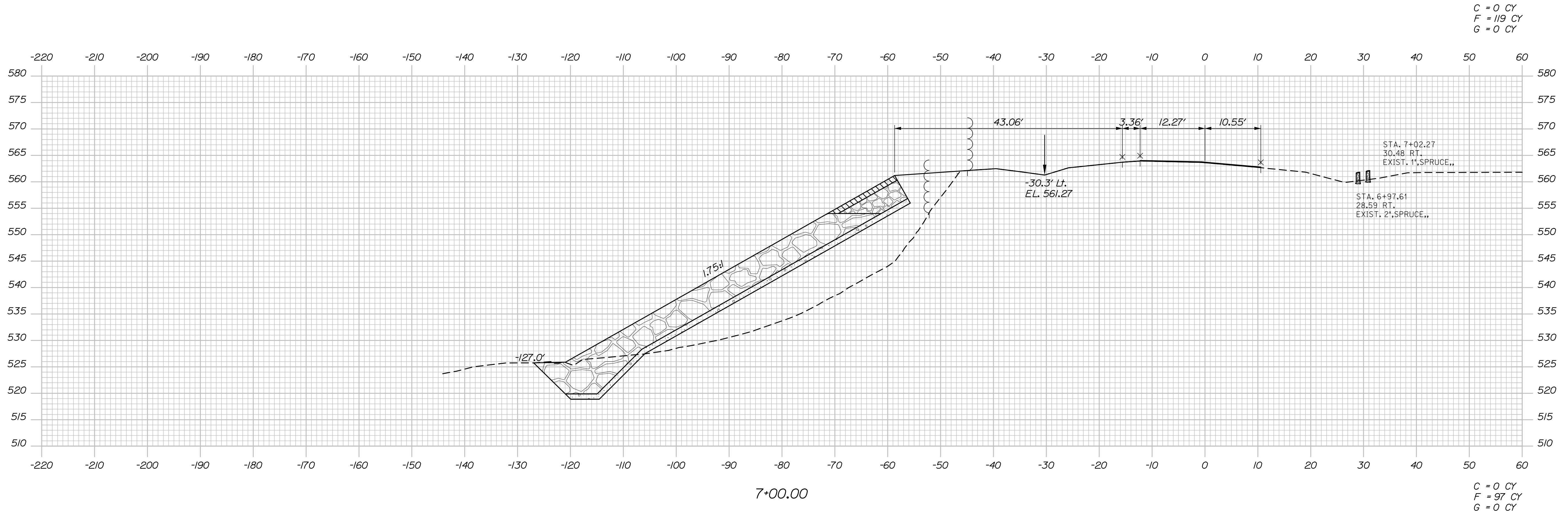


DESIGN-DETAILED				
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DESIGN2-DETAILED2	-	-	-	SIGNATURE
DESIGN3-DETAILED3	-	-	-	
				P.E. NUMBER
REVISIONS 1	-	-	-	
REVISIONS 2	-	-	-	
REVISIONS 3	-	-	-	
REVISIONS 4	-	-	-	DATE
FIELD CHANGES	-	-	-	

Filename: Xsection_St.Francis.dgn



30 OF 44	SHEET NUMBER		ALLAGASH-ST. FRANCIS ROUTE 161		PROJ. MANAGER	R.SOUCY	BY	DATE	STATE OF MAINE DEPARTMENT OF TRANSPORTATION 1723600 WIN 17236.00 HIGHWAY PLANS
					DESIGN-DETAILED				
					CHECKED-REVIEWED			SIGNATURE	
					DESIGNS-DETAILED2	-	-		
					DESIGNS-DETAILED3	-	-		
					REVISIONS 1	-	-	P.E. NUMBER	
					REVISIONS 2	-	-		
					REVISIONS 3	-	-		
					REVISIONS 4	-	-	DATE	
					FIELD CHANGES	-	-		



Date:1/16/2020

Username:

Division:

Filename: Xsection_St.Francis.dgn

STATE OF MAINE
DEPARTMENT OF TRANSPORTATION

1723600

**WIN
17236.00**

SIGNATURE

P.E. NUMBER

DATE _____

DESIGN-DETAILED					
CHECKED-REVIEWED					
DESIGN2-DETAILED2	-		-	-	
DESIGN3-DETAILED3	-		-	-	
REVISIONS 1	-		-	-	
REVISIONS 2	-		-	-	
REVISIONS 3	-		-	-	
REVISIONS 4	-		-	-	
FIELD CHANGES					

ALLAGASH-ST. FRANCIS
ROUTE 161

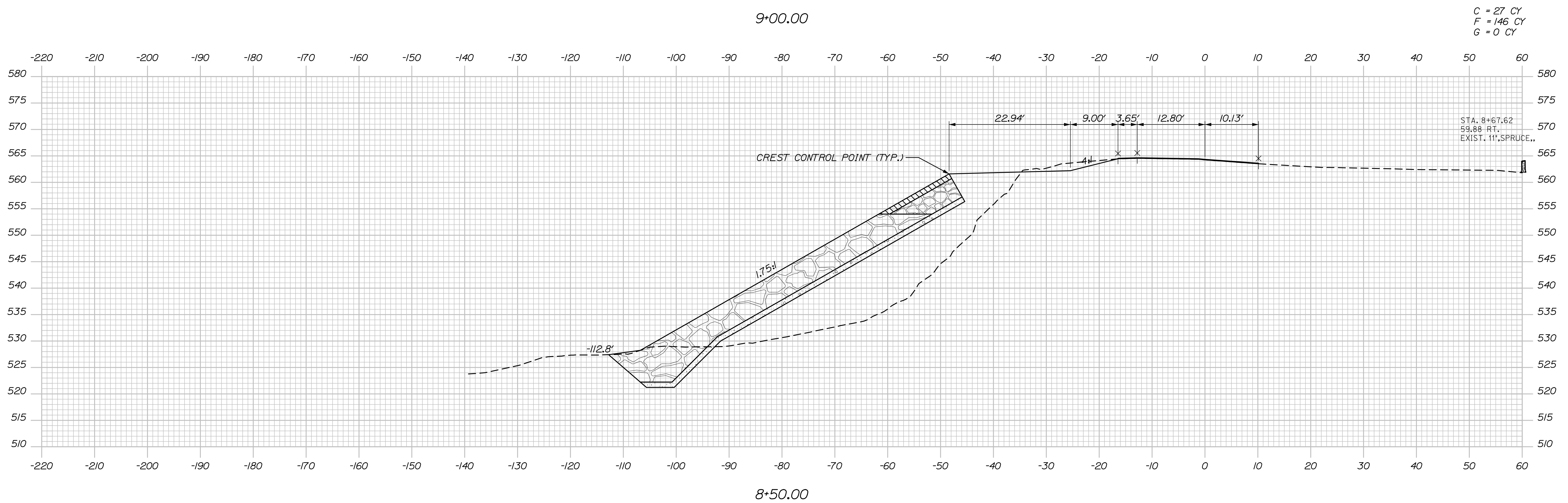
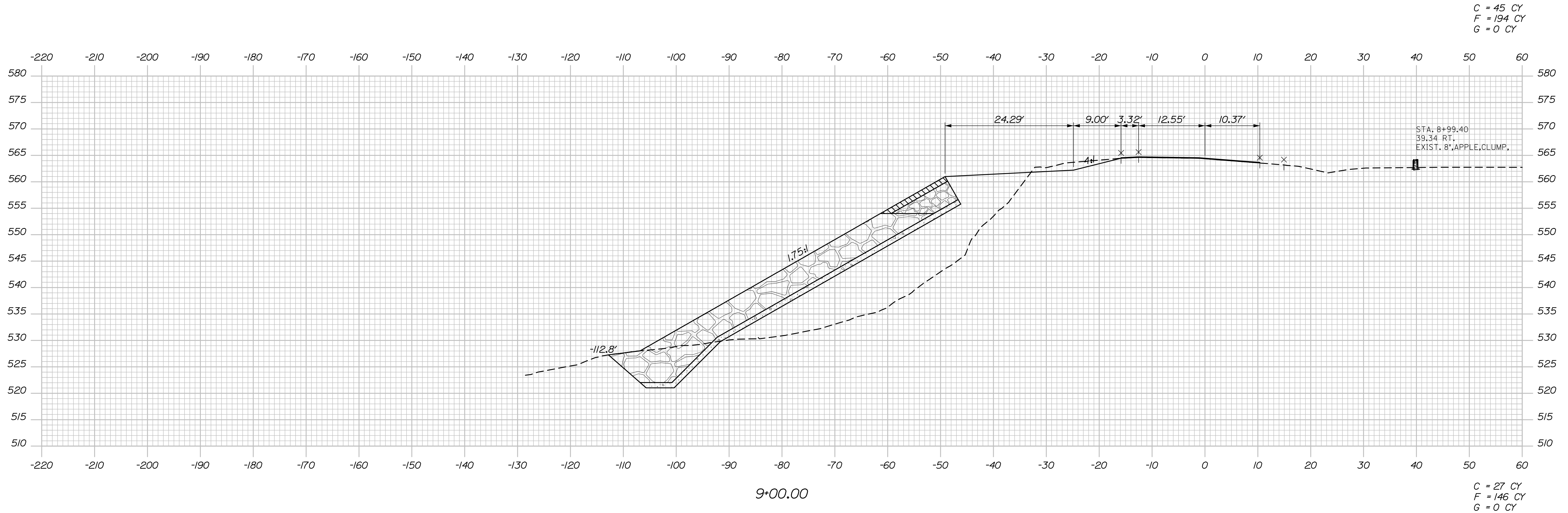
CROSS SECTIONS
ST. FRANCIS

SHEET NUMBER

31

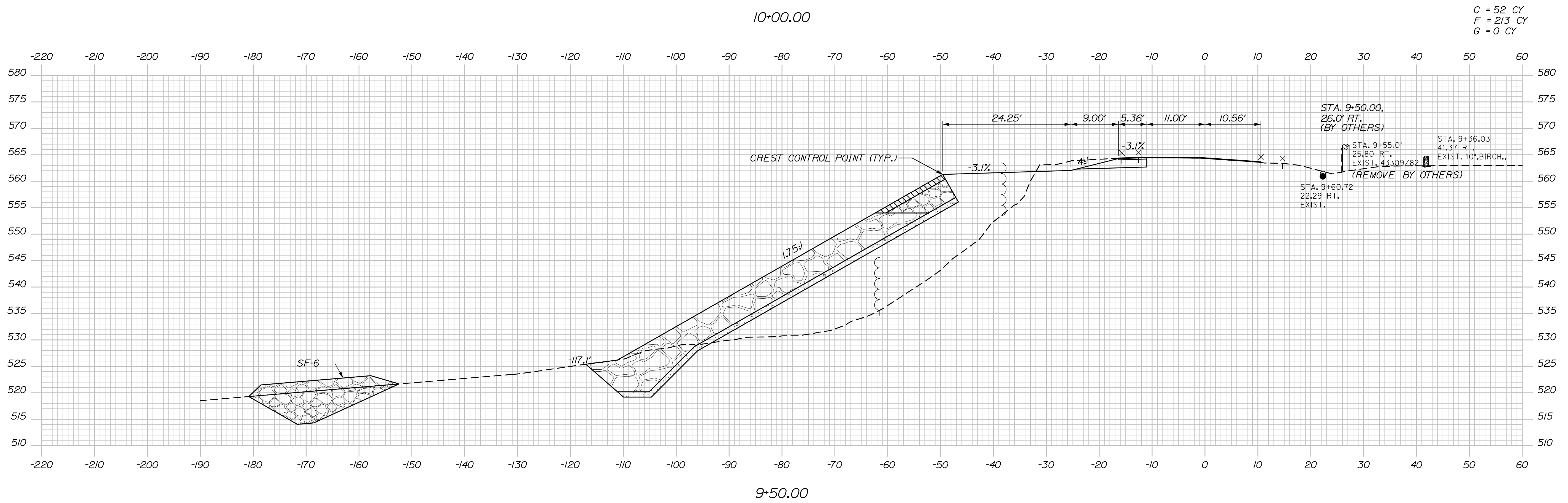
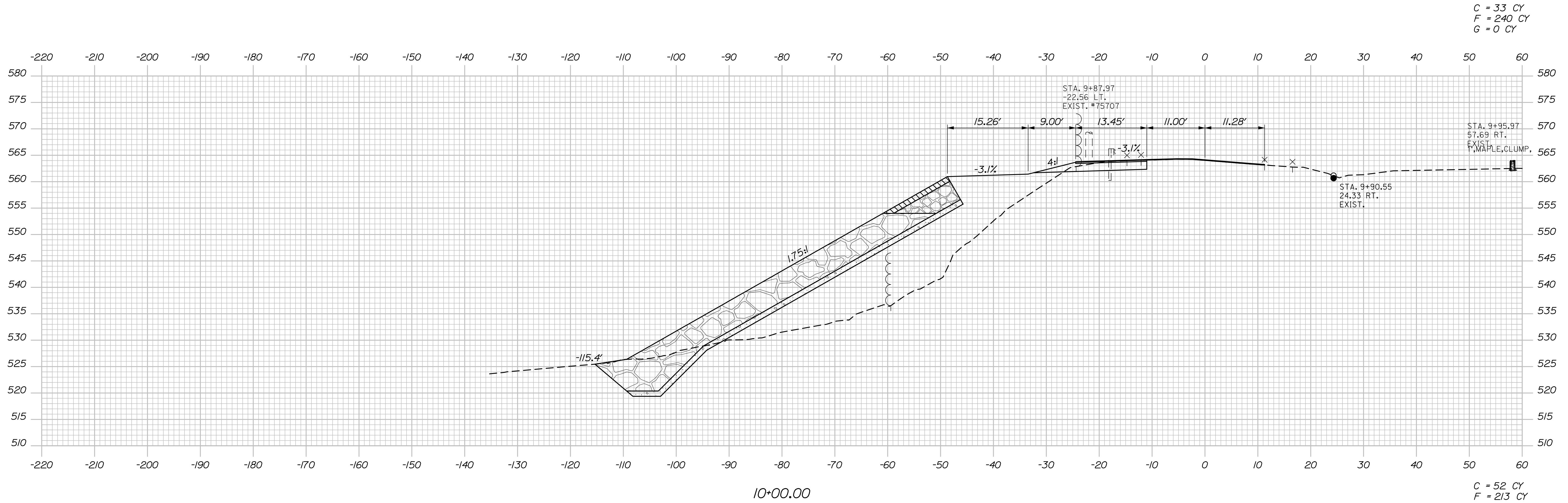
OF 44

Sta. 6+50.00 to Sta. 7+00.00



Division:

Filename: Xsection_St.Francis.dgn



Sta. 9+50.00 to Sta. 10+00.00

STATE OF MAINE
DEPARTMENT OF TRANSPORTATION

1723600

WIN
17236.00

PROJ. MANAGER		RS/COUNTY	BY	DATE
DESIGN-DETAILED				
CHECKED-REVIEWED				
DESIGNING-DETAILED			-	
DESIGNING-DETAILED			-	
REVISIONS 1				
REVISIONS 2			-	
REVISIONS 3			-	
REVISIONS 4			-	
FIELD CHANGES			-	
				SIGNATURE
				P.E. NUMBER
				DATE

ALLAGASH-ST. FRANCIS
ROUTE 161

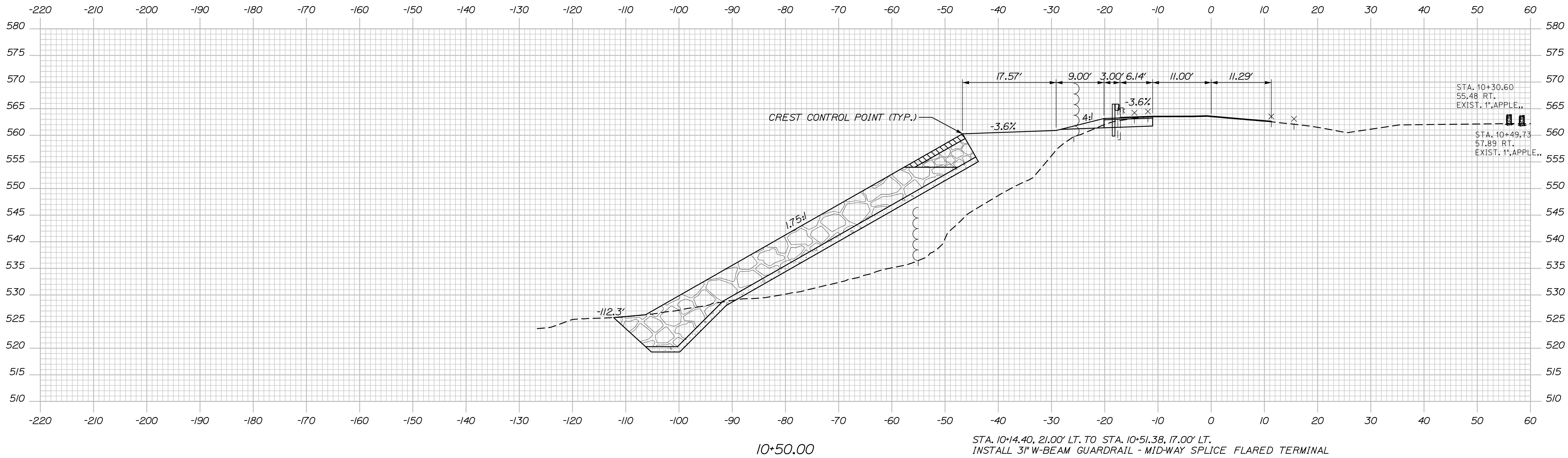
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ST. FRANCIS

SHEET NUMBER

34

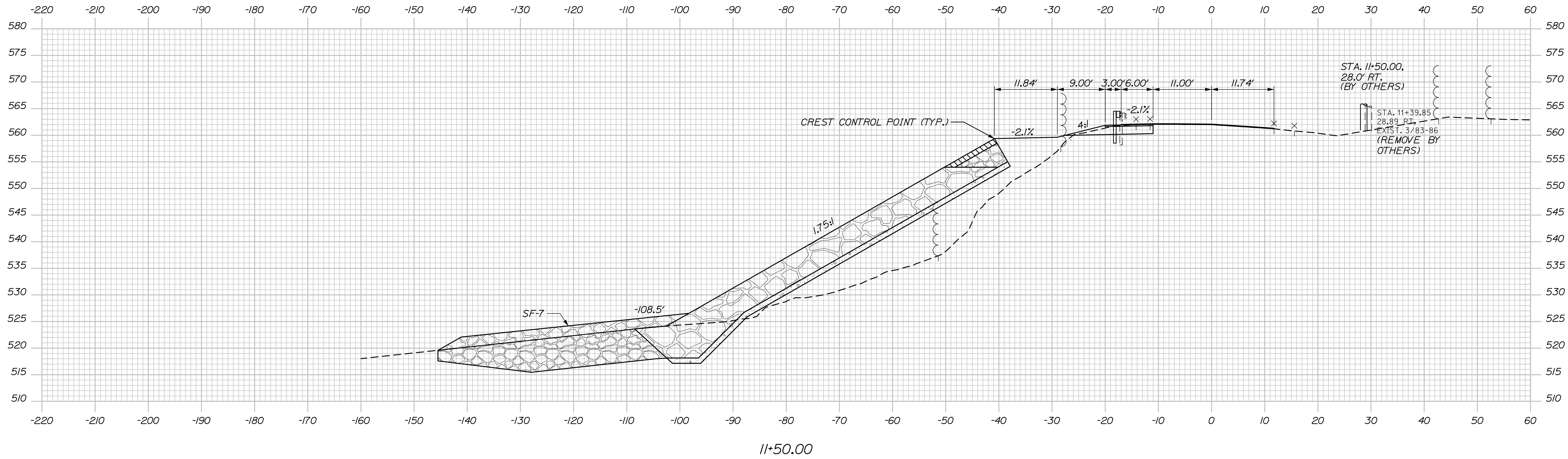
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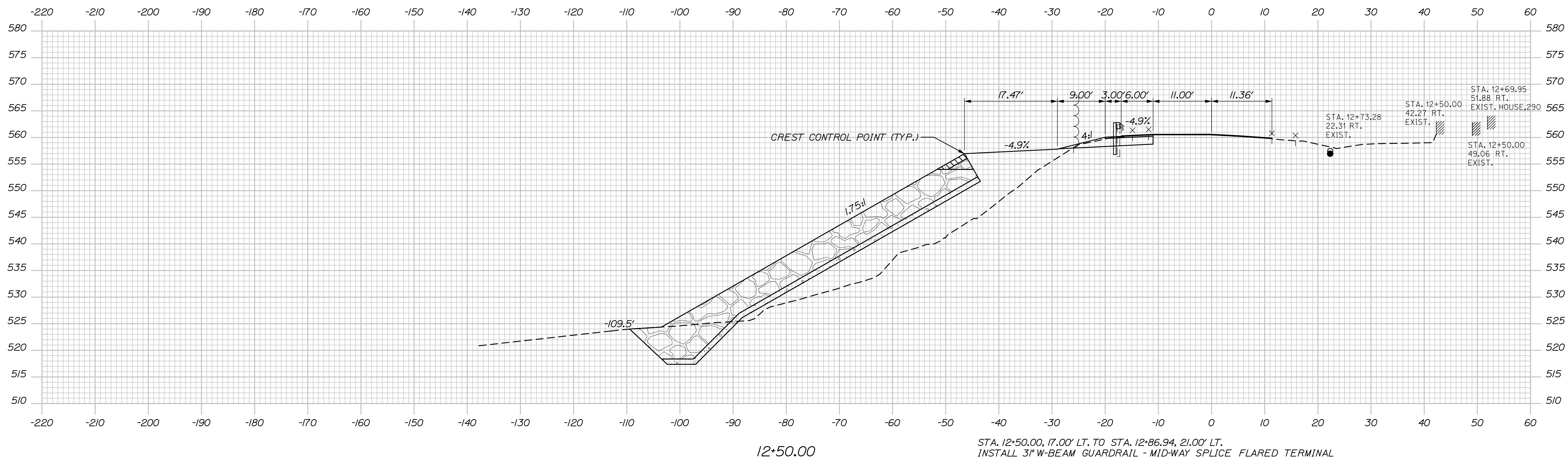


35 OF 44	SHEET NUMBER	ALLAGASH-ST. FRANCIS ROUTE 161		PROJ. MANAGER	R.SOU'CY	BY	DATE	STATE OF MAINE DEPARTMENT OF TRANSPORTATION 1723600 WIN 17236.00 HIGHWAY PLANS
				DESIGN-DETAILED				
				CHECKED-REVIEWED			SIGNATURE	
				DESIGN2-DETAILED2	-	-		
				DESIGN3-DETAILED3	-	-	P.E. NUMBER	
		CROSS SECTIONS		REVISIONS 1	-	-		
				REVISIONS 2	-	-		
				REVISIONS 3	-	-		
				REVISIONS 4	-	-	DATE	
				FIELD CHANGES	-	-		

Filename: Xsection_St.Francis.dgn



Filename: Xsection_St.Francis.dgn

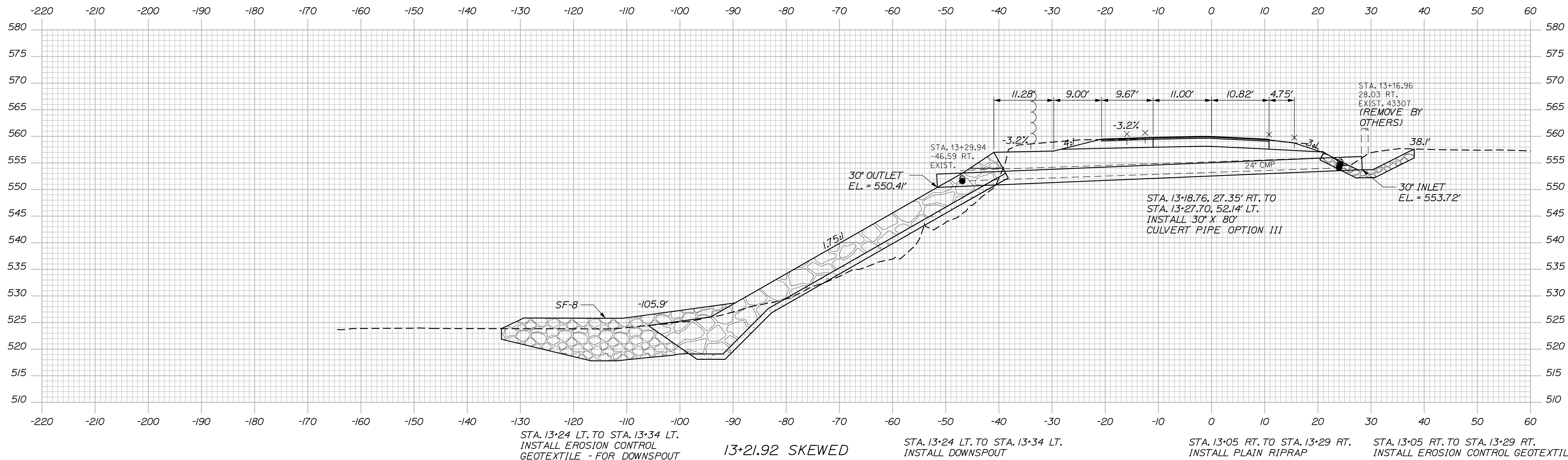


SHEET NUMBER

37

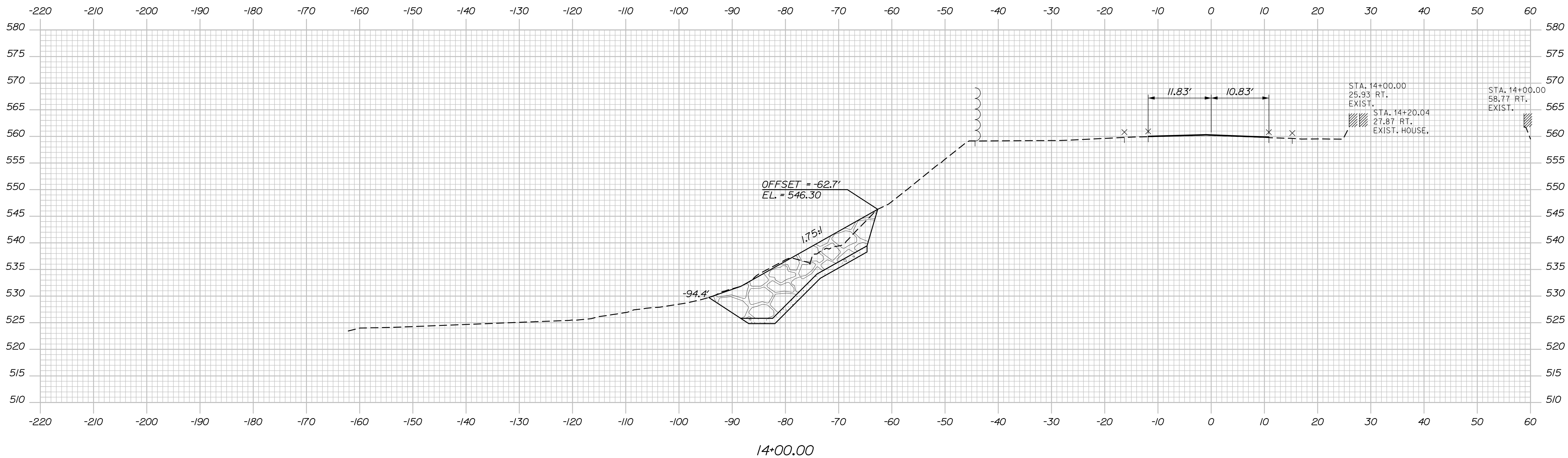
OF 44

Filename: Xsection_St.Francis.dgn



38 OF 44	SHEET NUMBER	ALLAGASH-ST. FRANCIS ROUTE 161		PROJ. MANAGER	R.SOU'CY	BY	DATE	STATE OF MAINE DEPARTMENT OF TRANSPORTATION 1723600 WIN 17236.00 HIGHWAY PLANS
		CROSS SECTIONS ST. FRANCIS		DESIGN-DETAILED				
			CHECKED-REVIEWED				SIGNATURE	
			DESIGNS-DETAILED2	-	-	-		
			DESIGNS-DETAILED3	-	-	-	P.E. NUMBER	
			REVISIONS 1	-	-	-		
			REVISIONS 2	-	-	-		
			REVISIONS 3	-	-	-	DATE	
			REVISIONS 4	-	-	-		
			FIELD CHANGES	-	-	-		

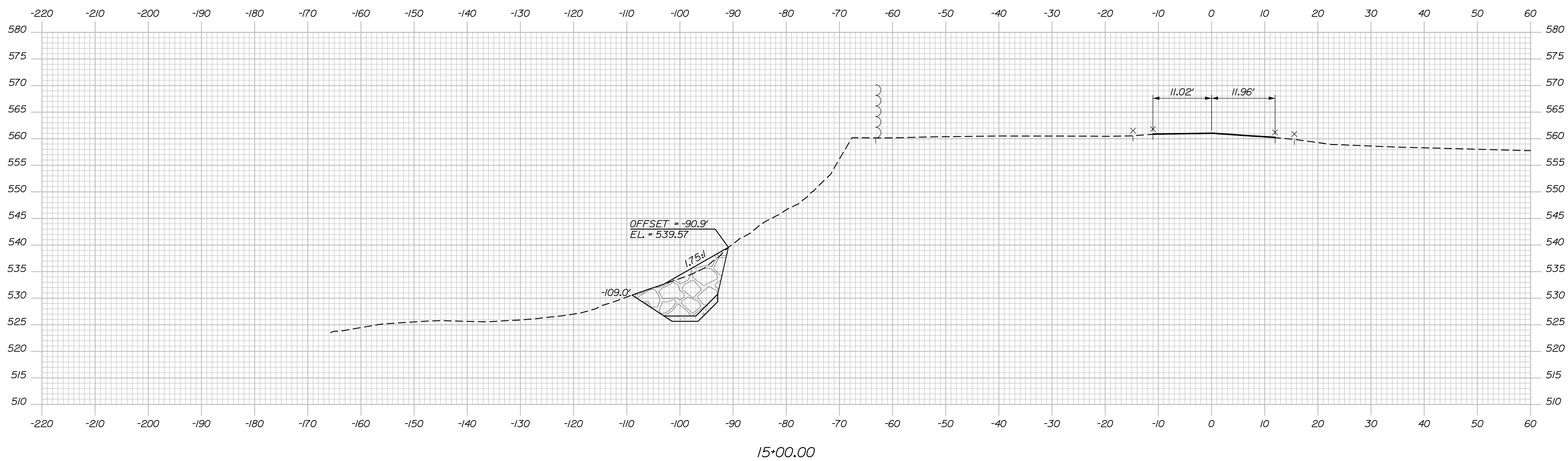
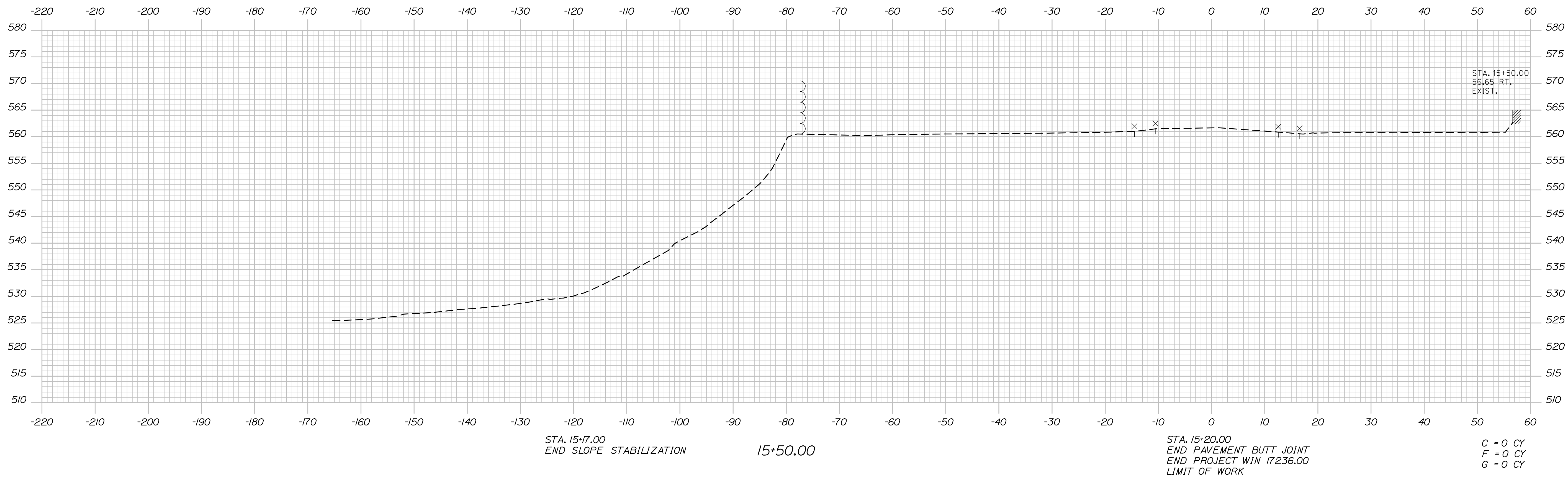
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SHEET NUMBER

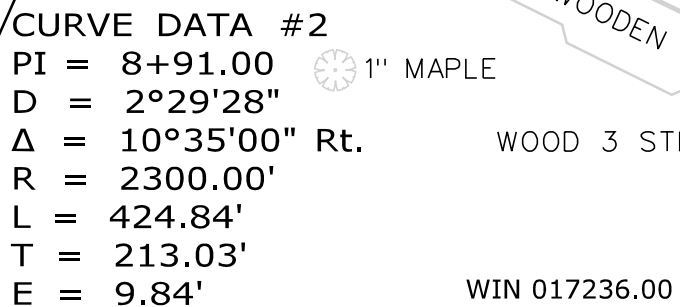
39

OF 44



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Scale of Feet



REVISIONS				PLAN FILED IN PLAN BOOK PAGE COUNTY RECORD (North)						FOR CAD FILES SEE Y:\pin\17236\10\ROW\MSTA										STATE HIGHWAY "341"			SHEET NUMBER							
NO.		DATE		DESCRIPTION		BY		NO.		GRANTOR		INSTRUMENT		DATE		BOOK		PAGE		BRUCE A. VAN NOTE										43
												COND.		10/7/19		2076		55		COMMISSIONER										
																				JOYCE NOEL TAYLOR										
																				CHIEF ENGINEER										
																				DATE										
																														OF 44

[illegible]