STATE OF MAINE
DEPARTMENT OF TRANSPORTATION

PLAN LEGEND

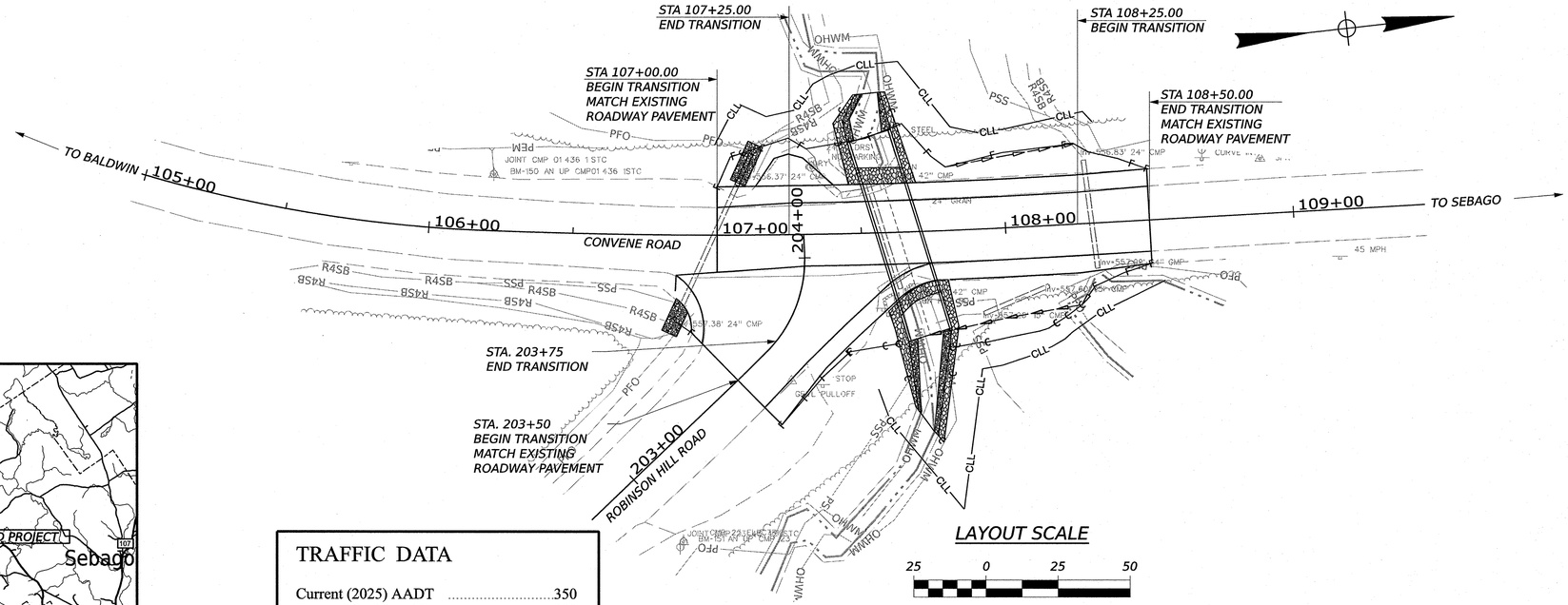
Town, County, State		Catch Basins	Existing / Proposed
Property Lines		Manholes	Existing / Proposed
R/W Lines-Existing		Proposed Underdrain	
R/W Lines-Proposed		Proposed Ditch	
Culvert-Existing		Existing Ditch	
Culvert Proposed		Utility Poles	Existing / Proposed
Curbing	Existing / Proposed	Fire Hydrants	Existing / Proposed
Type 1		Existing Water Line	W / W
Type 3		Existing San. Sewer	
Type 5		Existing San. Sewer Manhole	
Outline of Bodies of Water		Guardrail-Existing	
Exposed Bedrock		Guardrail-Proposed	
Buildings		Centerline-Existing	
Trees	Conifer / Deciduous	Centerline-Proposed	10+00
Tree Line		Travelway-Existing	
Clearing Limit Line	CLL	Travelway-Proposed	
Railroad			

Boring — HB-XXX-###
Pavement Core — PC-#
Test Pit — TP-XXX-###

Probe — P-#.#X
#.# = Depth
X = W (Weathered Rock)
R (Refusal)
NR (No Refusal)

SEBAGO
CUMBERLAND COUNTY
LICKUS BRIDGE
BRIDGE NO. 6791
STATE PROJECT NO. 28152.00

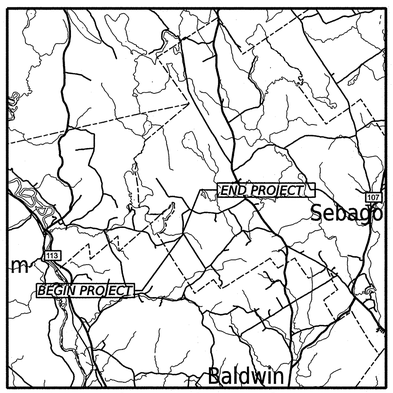
INDEX OF SHEETS



LAYOUT SCALE

25 0 25 50

Scale in Feet



Scale in Miles

LOCATION MAP

TRAFFIC DATA

Current (2025) AADT	350
Future (2045) AADT	390
DHV - % of AADT	11%
Design Hour Volume	43
% Heavy Trucks (AADT)	14%
% Heavy Trucks (DHV)	14%
Directional Distribution (DHV)	63%
18-kip Equivalent P 2.0	24
18-kip Equivalent P 2.5	22
Design Speed (mph)	45
Corridor Priority	4

PROJECT LOCATION:	AT THE INTERSECTION OF ROBINSON HILL ROAD
PROGRAM AREA:	REGIONAL PROGRAM
SCOPE OF WORK:	LARGE CULVERT REPLACEMENT

WIN 28152.00

STATE OF MAINE
DEPARTMENT OF TRANSPORTATION
APPROVED
COMMISSIONER: DATE 6/26/26
CHIEF ENGINEER: DATE 6-25-26

STATE OF MAINE * KEITH S. WOOD No. 10423 * REGISTERED PROFESSIONAL ENGINEER

SIGNATURE DATE 6/22/2026
P.E. NUMBER 10423

PROJECT INFORMATION

PROGRAM	Regional
PROJECT MANAGER	K. Hodgman
DESIGNER	K. Wood
CONSULTANT	Kleinfelder
PROJECT RESIDENT	
CONTRACTOR	
PROJECT COMPLETION DATE	

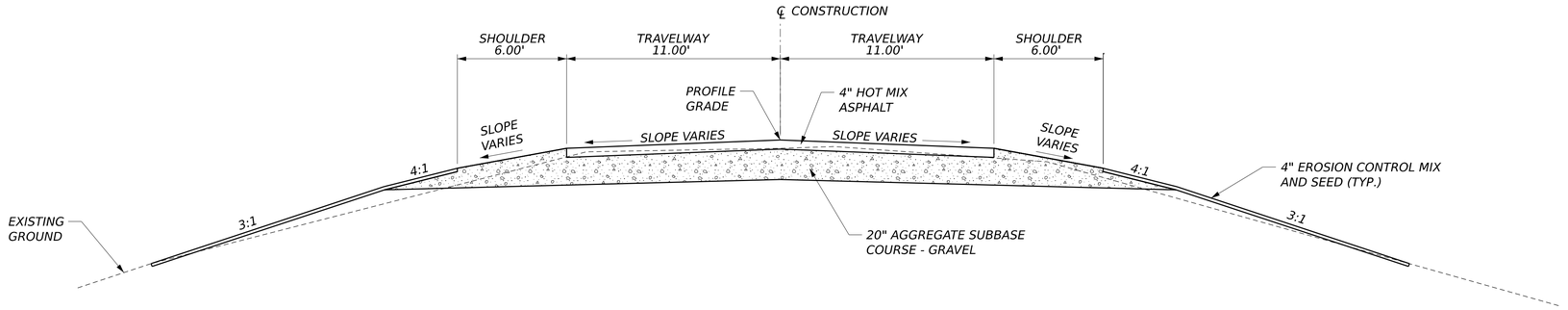
SEBAGO
CONVENE ROAD

TITLE SHEET

SHEET NUMBER
1
OF 13

Date: 6/18/2026
Username: Paul.Martin

Filename: c:\pwworking\kleinfelderpw01\paul.martin@kleinfelder.com\d0258313\TitleSheet.dgn



TYPICAL SECTION

STA. 107+00 - STA. 107+50

NOTES

1. THE PAVEMENT, BASE AND SUBBASE DEPTHS AS SHOWN ON THE PLANS ARE INTENDED TO BE NOMINAL.

2. CROSS SLOPES SHALL BE STRAIGHT UNLESS OTHERWISE DIRECTED BY THE DEPARTMENT.

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

4. THE STATIONING SHOWN UNDER EACH TYPICAL SECTION IS APPROXIMATE.

STATE OF MAINE
DEPARTMENT OF TRANSPORTATION

STATE PROJECT NUMBER 28152.00

WIN 28152.00

HIGHWAY PLANS

STATE OF MAINE ★ REGISTERED PROFESSIONAL ENGINEER ★ KEITH S. WOOD No. 10423 LICENSED

SIGNATURE

P.E. NUMBER 10423

DATE 7/22/2026

PROJ. MANAGER	R. HODGMAN	
DESIGN-DETAILED	K. WOOD	6/2025
CHECKED-REVIEWED	K. WOOD	P. MARTIN 7/2025
DESIGN2-DETAILED2		A. BONNEY
DESIGN3-DETAILED3		
REVISIONS 1		
REVISIONS 2		
REVISIONS 3		
REVISIONS 4		
FIELD CHANGES		

SEBAGO
CONVENE ROAD

TYPICAL SECTIONS

SHEET NUMBER

2

OF 13

Date: 6/18/2026

Username: Paul.Martin

Filename: G:_clients\MaineDOT\25000396.003A - Sebago, Large Culvert, WIN 27.00\Working\Drawings\HIGHWAY\Typical.dgn

ESTIMATED QUANTITIES			
ITEM NO.	DESCRIPTION	QUANTITY	UNIT
203.20	COMMON EXCAVATION	590	CY
203.25	GRANULAR BORROW	170	CY
203.33	SPECIAL FILL - STREAMBED MATERIAL	84	CY
206.061	STRUC EARTH EX.-DRAINAGE & MINOR STRUCTURES BELOW GRADE	90	CY
304.10	AGGREGATE SUBASE COURSE - GRAVEL	470	CY
403.208	HOT MIX ASPHALT 12.5 MM HMA SURFACE	55	T
403.213	HOT MIX ASPHALT 12.5 MM BASE	84	T
409.15	BITUMINOUS TACK COAT - APPLIED	19	G
508.13	SHEET WATERPROOFING MEMBRANE 142 SY	1	LS
511.07	COFFERDAM: UPSTREAM	1	LS
511.07	COFFERDAM: DOWNSTREAM	1	LS
534.7101	PRECAST CONCRETE BOX CULVERT - STATE SUPPLIED 93 CY	1	LS
603.199	24 INCH CULVERT PIPE OPTION III	12	LF
610.08	PLAIN RIPRAP	40	CY
610.212	STREAMBED ROCK FEATURES	20	CY
610.213	VOID FILLED RIPRAP	110	CY
618.14	SEEDING METHOD NUMBER 2	3	UN
619.14	EROSION CONTROL MIX	34	UN
620.58	EROSION CONTROL GEOTEXTILE	270	SY
627.733	4 INCH WHITE OR YELLOW PAINTED PAVEMENT MARKING LINE	520	LF
627.78	TEMPORARY 4" PAINTED PAVEMENT MARKING LINE, WHITE OR YELLOW	520	LF
629.05	HAND LABOR - STRAIGHT TIME	30	HR
631.12	ALL PURPOSE EXCAVATOR (INCLUDING OPERATOR)	15	HR
631.172	TRUCK - LARGE (INCLUDING OPERATOR)	30	HR
639.19	FIELD OFFICE TYPE B	0.5	EA
652.312	BARRICADE TYPE III	6	EA
652.33	DRUM	25	EA
652.34	CONE	25	EA
652.35	CONSTRUCTION SIGN	200	SF
652.36	MAINTENANCE OF TRAFFIC CONTROL DEVICES	15	CD
652.38	FLAGGER	100	HR
652.41	PORTABLE CHANGEABLE MESSAGE SIGN	2	EA
656.75	TEMPORARY SOIL EROSION AND WATER POLLUTION CONTROL	1	LS
659.10	MOBILIZATION	1	LS

GENERAL NOTES

1. CLEARING LIMITS SHALL BE 10 FEET BEYOND AND PARALLEL TO THE CONSTRUCTION SLOPE LINES OR AS SHOWN ON THE PLANS UNLESS OTHERWISE AUTHORIZED BY THE RESIDENT.
2. ALL CLEARING SHALL BE CONSIDERED INCIDENTAL TO THE CONTRACT AND NO SEPERATE PAYMENT WILL BE MADE. THE ACTUAL LINES FOR CLEARING SHALL BE ESTABLISHED IN THE FIELD BY THE CONTRACTOR AS INDICATED ON THE PLANS AND APPROVED BY THE RESIDENT.
3. GRUBBING IN FILL AREAS HAS BEEN SHOWN ON THE CROSS SECTIONS AND THE QUANTITIES NOTED. THESE LIMITS ARE APPROXIMATE AND HAVE BEEN USED FOR ESTIMATING PURPOSES ONLY. ACTUAL GRUBBING LIMITS MAY VARY BASED ON FIELD CONDITIONS AS DIRECTED BY THE RESIDENT.
4. ALL INSLOPE AND DITCHES IN CUT AREAS SHALL BE GRADED AS SHOWN ON THE TYPICALS OR FLATTER, OR AS DIRECTED BY THE RESIDENT.
5. THE CONTRACTOR SHALL PLAN AND CONDUCT WORK SO THAT UPON COMPLETION OF THE PROJECT THERE IS NO DROP-OFF FROM THE EDGE OF THE SHOULDER PAVEMENT.
6. 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.
7. GRANULAR BORROW USED TO BACKFILL MUCK EXCAVATION OR IN LOW WET AREAS TO 1 FOOT ABOVE WATER LEVEL OR OLD GROUND SHALL MEET REQUIREMENTS FOR GRANULAR BORROW MATERIAL FOR UNDERWATER BACKFILL AS SPECIFIED IN STANDARD SPECIFICATIONS ITEM 703.19, GRANULAR BORROW.
8. EXISTING INSLOPES IN PROPOSED FILL AREAS SHALL BE BENCHED BY EXCAVATING STEPS OF SUFFICIENT WIDTH TO PERMIT PLACING AND COMPACTING THE FILL MATERIAL ALONG WITH THE MATERIAL REMOVED.
9. INLETS AND OUTLETS OF ALL CULVERTS SHALL BE RIPRAPPED UNLESS OTHERWISE NOTED ON THE PLANS OR DIRECTED BY THE RESIDENT.
10. UNLESS OTHERWISE NOTED SEEDING METHOD NO. 1 SHALL BE UTILIZED ON ALL LAWNS AND DEVELOPED AREAS; SEEDING METHOD NO. 2 SHALL BE UTILIZED ON ALL OTHER AREAS.
11. ANY BASE PAVEMENT NOT SURFACED BEFORE WINTER WILL REQUIRE TEMPORARY PAVEMENT MARKINGS OF PAINT, BOTH YELLOW CENTERLINES AND WHITE EDGE LINES AND WILL BE CONSIDERED PART OF STANDARD SPECIFICATIONS ITEM 627.78, TEMPORARY PAVEMENT MARKING LINE, WHITE OR YELLOW.
12. THE CONTRACTOR WILL BE RESPONSIBLE FOR MAINTAINING ALL EXISTING MAILBOXES TO ENSURE THAT THE MAIL WILL BE DELIVERABLE. PAYMENT FOR THIS WORK WILL BE CONSIDERED INCIDENTAL TO THE CONTRACT.
13. THE CONTRACTOR IS RESPONSIBLE FOR THE CAREFUL SIDE STAKING OF EXISTING CENTERLINE AS PER STANDARD SPECIFICATION SECTION 105.6.2, CONTRACTOR PROVIDED SERVICES. SIDE STAKES SHALL BE PLACED SAFELY OUTSIDE OF THE CONSTRUCTION LIMITS AND THE EXISTING CENTERLINE GRADES SHALL BE TRANSFERRED TO THESE STAKES. THESE STAKES AND GRADES WILL BE USED TO LAY OUT CENTERLINE AND DETERMINE NEW CONSTRUCTION FINISH GRADES FROM DIFFERENTIAL ELEVATION SHEETS FURNISHED BY MaineDOT. ALL LAYOUT, STAKES AND GRADES WILL BE CHECKED AND MUST BE ACCEPTABLE TO THE RESIDENT. (REHABILITATION ONLY)
14. ANY DAMAGE TO THE SLOPES CAUSED BY THE CONTRACTOR'S EQUIPMENT, PERSONNEL, OR OPERATION SHALL BE REQUIRED TO THE SATISFACTION OF THE RESIDENT. ALL WORK, EQUIPMENT, AND MATERIALS REQUIRED TO MAKE REPAIRS SHALL BE AT THE CONTRACTOR'S EXPENSE.
15. 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 CONCLUSIONS 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.
16. AREAS ON THE PROJECT REQUIRING FILL WILL COME FROM SUITABLE SITES SUCH AS EXCAVATION, DITCH AND INSLOPE, OR EQUIPEMENT RENTAL AREAS.
17. NO SEPERATE 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.
18. "UNDETERMINED LOCATIONS" SHALL BE DETERMINED BY THE RESIDENT.
19. 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.
20. THE CONTRACTOR SHALL MAINTAIN VEHICULAR ACCESS TO ALL PROPERTIES ON CONVENE ROAD LOCATED BETWEEN WINS 28150.00 AND 28152.00 AT ALL TIMES.
21. THE TOWN OF SEBAGO FIRE DEPARTMENT WILL BE REMOVING AND RECONSTRUCTING THE EXISTING DRY HYDRANT LOCATED AT STA. 107+32.34, 23.18' LT. THE CONTRACTOR SHALL EXCAVATE AND BACKFILL TO REMOVE THE EXISTING DRY HYDRANT AND PLACE THE NEW DRY HYDRANT. THE TOWN OF SEBAGO FIRE DEPARTMENT WILL MODIFY THE EXISTING HYDRANT TO BE RESET AT THE SITE. THE RESIDENT WILL COORDINATE THE FINAL LOCATION OF THE DRY HYDRANT. ALL WORK ASSOCIATED WITH THE REMOVAL AND REPLACEMENT OF THE DRY HYDRANT WILL BE PAID FOR UNDER THE EQUIPMENT RENTAL ITEMS.
22. THE RESIDENT WILL COORDINATE THE FINAL LOCATIONS OF THE PORTABLE CHANGEABLE MESSAGE SIGNS.

STATE OF MAINE
DEPARTMENT OF TRANSPORTATION

STATE PROJECT NUMBER 28152.00

WIN 28152.00 — HIGHWAY PLANS

STATE OF MAINE · KEITH S. WOOD · No. 10423 · LICENSED PROFESSIONAL ENGINEER

P.E. NUMBER 10423

SIGNATURE

DATE 6/22/2026

PROJ MANAGER	R. HODGMAN	
DESIGN-DETAILED	K. WOOD	6/2025
CHECKED-REVIEWED	K. WOOD	7/2025
DESIGN2-DETAILED2		
DESIGN3-DETAILED3		
REVISIONS 1		
REVISIONS 2		
REVISIONS 3		
REVISIONS 4		
FIELD CHANGES		

BY / DATE

SEBAGO
CONVENE ROAD

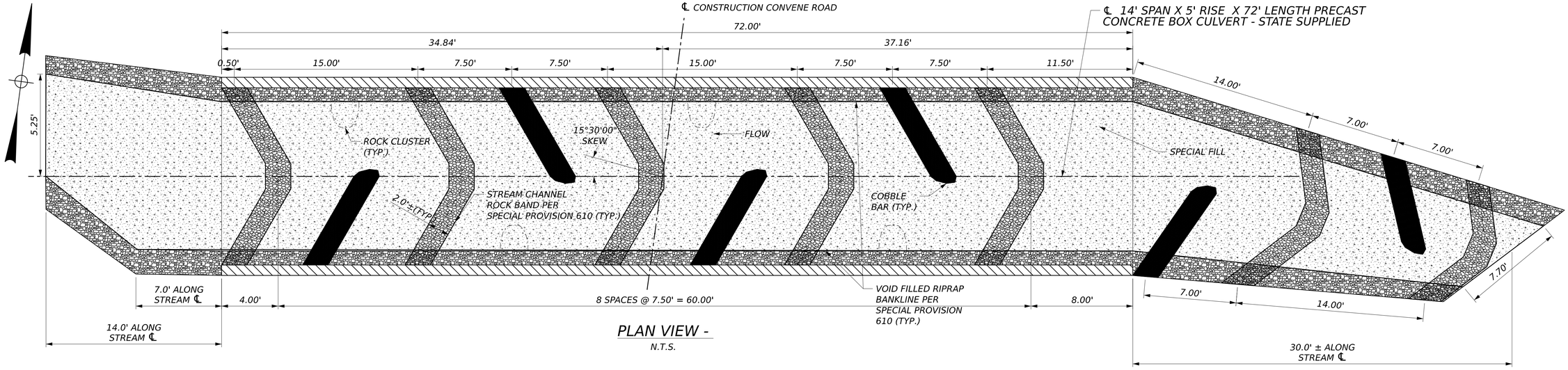
ESTIMATED QUANTITIES
& GENERAL NOTES

SHEET NUMBER
3
OF 13

Date: 6/18/2026

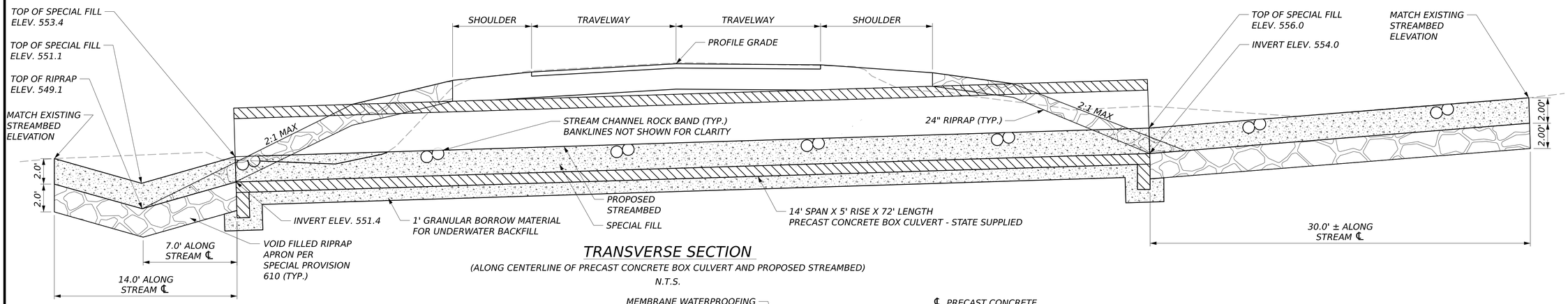
Username: Paul.Martin

Filename: c:\pwworking\kleinfelderpw01\paul.martin@kleinfelder.com\d0258313\General Notes.dgn



PLAN VIEW -

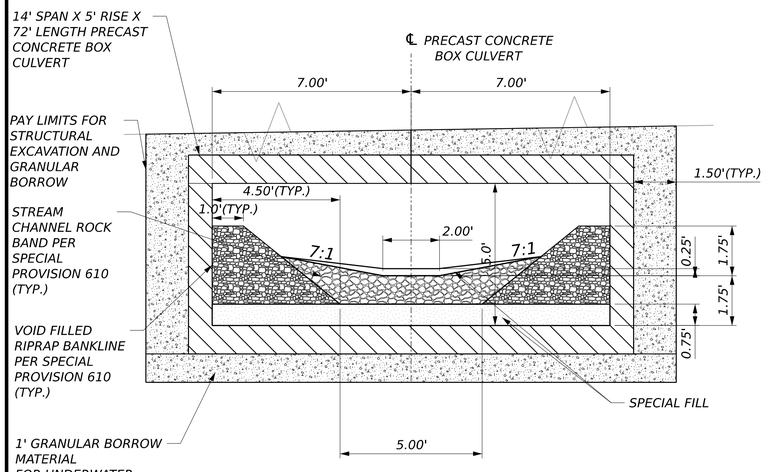
N.T.S.



TRANSVERSE SECTION

(ALONG CENTERLINE OF PRECAST CONCRETE BOX CULVERT AND PROPOSED STREAMBED)

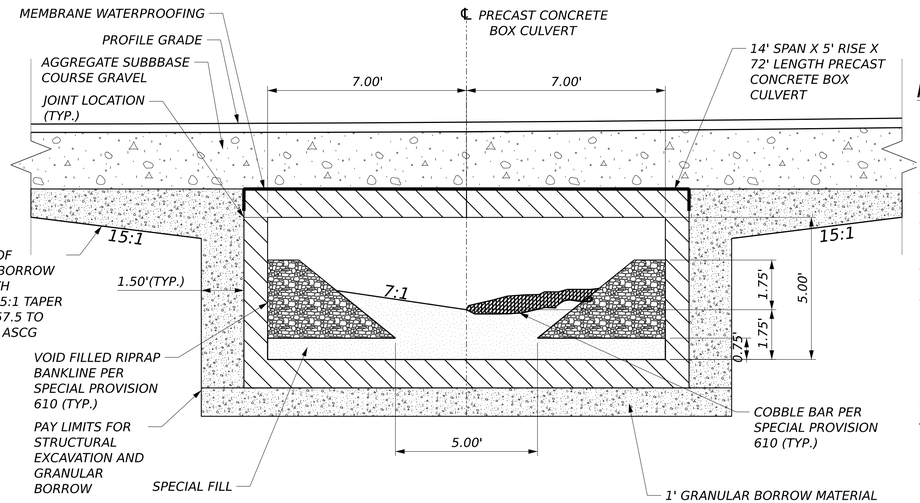
N.T.S.



TYPICAL SECTION

(AT STREAM CHANNEL ROCK BAND)

N.T.S.



TYPICAL SECTION

(BETWEEN FEATURES)

N.T.S.

NOTES

1. THE PRECAST CONCRETE BOX CULVERT - STATE SUPPLIED SHALL BE BEDDED ON A 1-FOOT LAYER OF COMPACTED GRANULAR BORROW MATERIAL MEETING THE REQUIREMENTS FOR UNDERWATER BACKFILL.
2. COFFERDAMS ARE TO BE PLACED AT BOTH THE DOWNSTREAM AND UPSTREAM ENDS OF THE PRECAST CONCRETE BOX CULVERT - STATE SUPPLIED TO ALLOW CONSTRUCTION OF THE PRECAST CONCRETE BOX CULVERT - STATE SUPPLIED IN THE DRY.
3. RIPRAP WILL BE USED TO INSLOPE AROUND THE PRECAST CONCRETE BOX CULVERT - STATE SUPPLIED ENDS AT BOTH THE INLET AND OUTLET. SEE PLAN AND PROFILE FOR LOCATIONS.
4. PRECAST UNITS WERE DESIGNED TO CARRY CONSTRUCTION LOADINGS WITH A MINIMUM FILL COVER OF 12 INCHES OVER THE TOP OF THE UNITS.
5. THE PRECAST CONCRETE BOX CULVERT - STATE SUPPLIED SHALL BE FILLED WITH SPECIAL FILL IN ACCORDANCE WITH SPECIAL PROVISION 203 AND STREAMBED CHANNEL ROCK BANDS AND VOID FILLED RIPRAP BANKLINES IN ACCORDANCE WITH SPECIAL PROVISION 610.
6. LAYOUT AND CONFIGURATION OF SPECIAL FILL, STREAMBED CHANNEL ROCK BANDS, AND VOID FILLED RIPRAP BANKLINES SHALL BE APPROVED BY THE RESIDENT AND/OR MAINEDOT ENVIRONMENTAL STAFF.
7. CONSTRUCTION, HANDLING, AND ASSEMBLY OF THE PRECAST CONCRETE BOX CULVERT - STATE SUPPLIED SHALL BE IN ACCORDANCE WITH STANDARD SPECIFICATION 534 AND THE MANUFACTURER'S SPECIFICATIONS AS APPLICABLE.

STATE OF MAINE
DEPARTMENT OF TRANSPORTATION

STATE PROJECT NUMBER 28152.00

WIN 28152.00

HIGHWAY PLANS

STATE OF MAINE · KEITH S. WOOD · No. 10423 · LICENSED PROFESSIONAL ENGINEER

P.E. NUMBER 10423

SIGNATURE

DATE 6/22/2026

PROJ. MANAGER	R. HODGMAN	
DESIGN-DETAILED	K. WOOD	6/2025
CHECKED-REVIEWED	K. WOOD	P. MARTIN 7/2025
DESIGN2-DETAILED2		A. BONNEY
DESIGN3-DETAILED3		
REVISIONS 1		
REVISIONS 2		
REVISIONS 3		
REVISIONS 4		
FIELD CHANGES		

SEBAGO CONVENE ROAD

SPECIAL DETAILS - PRECAST BOX CULVERT

SHEET NUMBER

4

OF 13

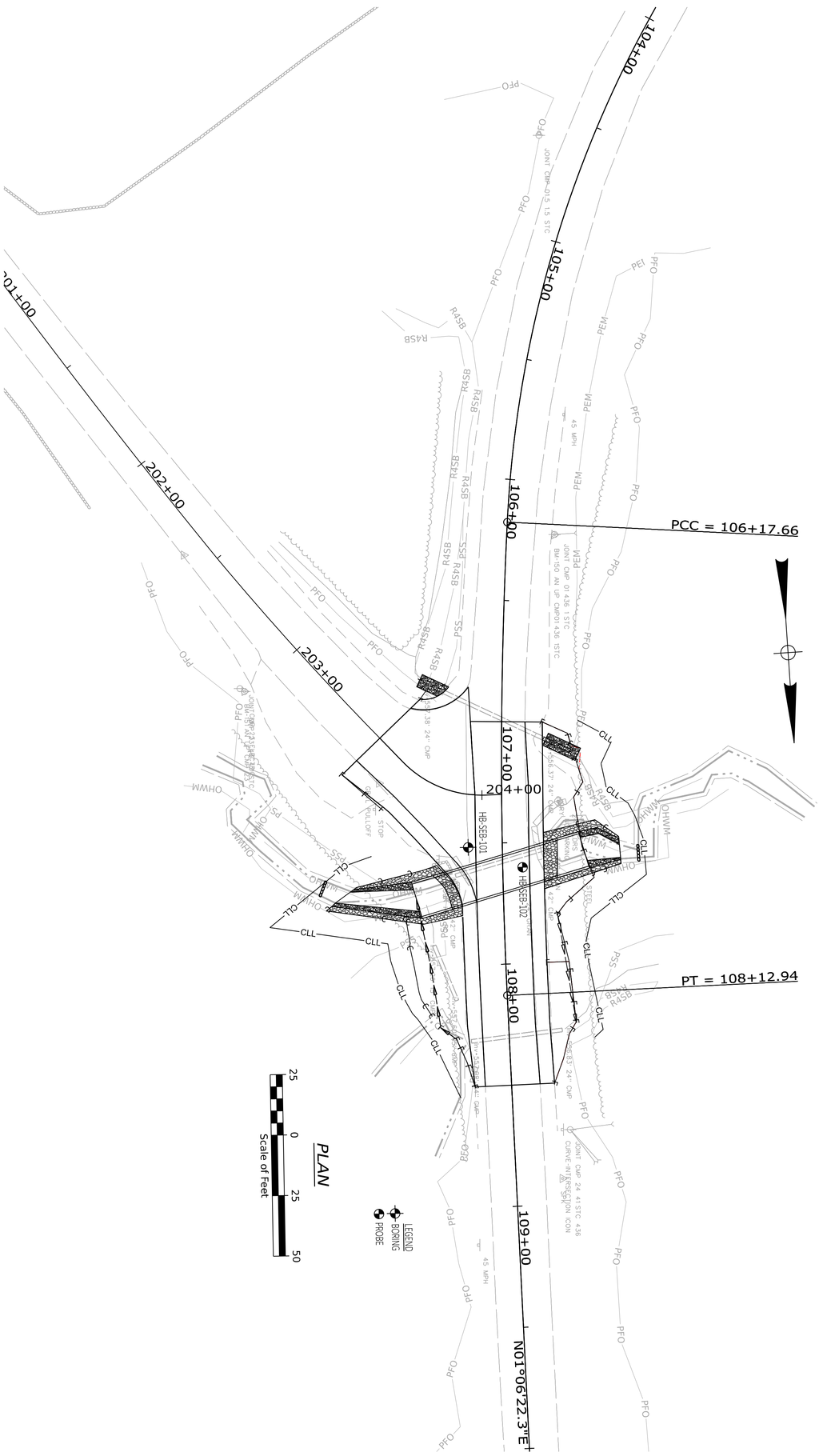
Date: 6/18/2026

Username: Paul.Martin

Filename: G:_clients\MaineDOT\25000396.001A - Pownal, Large Culvert, WIN 27298.00\Working\Drawings\HIGHWAY\Culvert Details.dgn

Username: Paul.Martin Date: 6/18/2026

Filename: C:\Users\TerryWhite\State of Maine\MaineDOT Work - 28150_001\GEOTECH\Boring_Location_Plan1.dgn



SHEET NUMBER 5 OF 13

SEBAGO
CONVENE ROAD

BORING LOCATION PLAN

PROJ. MANAGER	R. HODGMAN	BY	DATE
DESIGN=DETAILED		P. MARTIN	JUNE 2026
CHECKED=REVIEWED		K. WOOD	JUNE 2026
DESIGN2=DETAILED2	YT LEE	T.WHITE	MAY 2026
DESIGN3=DETAILED3			
REVISIONS 1			
REVISIONS 2			
REVISIONS 3			
REVISIONS 4			
FIELD CHANGES			

Keith S. Wood
SIGNATURE
10423
P.E. NUMBER
6/22/2026
DATE

STATE OF MAINE
KEITH S. WOOD
NO. 10423
LICENSED
PROFESSIONAL ENGINEER
6/22/26

STATE OF MAINE
DEPARTMENT OF TRANSPORTATION

STATE PROJECT NUMBER 28152.00

WIN
28152.00
HIGHWAY PLANS

Maine Department of Transportation

Soil/Rock Exploration Log
US CUSTOMARY UNITS

Project: Convene Road Large Culvert Replacement
Location: Sebago, Maine

Boring No.: HB-SEB-101
WIN: 28152.00

Driller:	MaineDOT	Elevation (ft.):	561.1	Auger ID/OD:	5" Dia.
Operator:	Doggett/Andrie	Datum:	NAVD88	Sampler:	Standard Split Spoon
Logged By:	YT. LEE	Rig Type:	CME 45C	Hammer Wt./Fall:	140lt/30"
Date Start/Finish:	7/22/2025; 13:50-14:40	Drilling Method:	Solid Stem Auger	Core Barrel:	N/A
Boring Location:	107+51.6, 14.1 Ft Rt.	Casing ID/OD:	N/A	Water Level*:	None Observed
Hammer Efficiency Factor: 0.92		Hammer Type:	Automatic ☒ Hydraulic ☐		Rope & Cathead ☐

Definitions:
S = Split Spoon Sample
HB = Unsuccessful Split Spoon Sample Attempt
U = Thin Wall Tube Sample
WU = Unsuccessful Thin Wall Tube Sample Attempt
V = Field Vane Shear Test, PP = Pocket Penetrometer
B = Rock Core Sample
SSA = Solid Stem Auger
HSA = Hollow Stem Auger
RC = Roller Cone
WOH = Weight of 140lb. Hammer
WORC = Weight of Rods or Casing
WOH = Weight of 1 Person
S_u = Peak/Remolded Field Vane Undrained Shear Strength (psf)
$S_{u(LAB)}$ = Lab Vane Undrained Shear Strength (psf)
q_p = Unconfined Compressive Strength (tsf)
Nuncorrected = Raw Field SPT N-value
N60 = SPT N-value Corrected for Hammer Efficiency
N_{60} = (Hammer Efficiency Factor/60)•Nuncorrected
T_v = Pocket Torvane Shear Strength(psf)
WC = Water Content, percent
LL = Liquid Limit
PL = Plastic Limit
PI = Plasticity Index
G = Grain Size Analysis
C = Consolidation Test

Depth (ft.)	Sample No.	Pen./Rec. (in.)	Sample Depth (ft.)	Blows (/6 in.) Shear Strength (psf) qp 4500 TD	Nuncorrected	N60	Casing Blows	Elevation (ft.)	Graphic Log	Visual Description and Remarks	Laboratory Testing Results/ AASHTO and Unified Class.
							SSA			9" HMA	
								560.4			0.8
	1D	12/10	1.00 - 2.00	13/77	---					Brown, damp, fine to coarse SAND, little silt, trace gravel, occasional cobbles, (Fill).	G#383855 A-1-b, SP-SM WC=3.8%
5	2D	24/18	5.00 - 7.00	1/1/2/13	3	5		556.1		Dark brown, wet, loose, fine to coarse SAND, trace gravel, trace silt, organics.	5.0 G#383856 A-1-b, SP-SM WC=34.8%
10	3D	24/18	10.00 - 12.00	9/12/13/18	25	38		551.1		Brown, wet, hard, SILT, some fine to coarse sand, trace gravel.	10.0 G#383857 A-4, CL WC=12.3%
15	4D	24/24	15.00 - 17.00	4/6/6/6	12	18		544.1		Brown, wet, very stiff, SILT, some fine to coarse sand, trace gravel.	
20										Bottom of Exploration at 17.0 feet below ground surface. NO REFUSAL	17.0
25											

Remarks:

Stratification lines represent approximate boundaries between soil types; transitions may be gradual.

* Water level readings have been made at times and under conditions stated. Groundwater fluctuations may occur due to conditions other than those present at the time measurements were made

Page 1 of 1

Boring No.: HB-SEB-101

Maine Department of Transportation

Soil/Rock Exploration Log
US CUSTOMARY UNITS

Project: Convene Road Large Culvert Replacement
Location: Sebago, Maine

Boring No.: HB-SEB-102
WIN: 28152.00

Drilling Contractor:	MaineDOT	Elevation (ft.):	561.1	Auger ID/OD:	5" Dia.
Operator:	Doggett/Andrie	Datum:	NAVD88	Sampler:	N/A
Logged By:	YT. LEE	Rig Type:	CME 45C	Hammer Wt./Fall:	N/A
Date Start/Finish:	7/22/2025; 14:55-15:10	Drilling Method:	Solid Stem Auger	Core Barrel:	N/A
Boring Location:	107+60.2, 8.2 ft Lt.	Casing ID/OD:	N/A	Water Level*:	None Observed

Definitions:
S = Split Spoon Sample
HB = Unsuccessful Split Spoon Sample Attempt
U = Thin Wall Tube Sample
WU = Unsuccessful Thin Wall Tube Sample Attempt
V = Field Vane Shear Test, PP = Pocket Penetrometer
B = Rock Core Sample
SSA = Solid Stem Auger
HSA = Hollow Stem Auger
RC = Roller Cone
WOH = Weight of 140lb. Hammer
WORC = Weight of Rods or Casing
WOH = Weight of 1 Person
S_u = Peak/Remolded Field Vane Undrained Shear Strength (psf)
$S_{u(LAB)}$ = Lab Vane Undrained Shear Strength (psf)
q_p = Unconfined Compressive Strength (tsf)
Nuncorrected = Raw Field SPT N-value
T_v = Pocket Torvane Shear Strength (psf)
WC = Water Content, percent, ↑ = Similar or Equal to
LL = Liquid Limit
PL = Plastic Limit
PI = Plasticity Index
G = Grain Size Analysis
C = Consolidation Test

Depth (ft.)	Sample No.	Pen./Rec. (in.)	Sample Depth (ft.)	Blows (/6 in.) Shear Strength (psf) qp 4500 TD	N-value	Casing Blows	Elevation (ft.)	Graphic Log	Visual Description and Remarks	Laboratory Testing Results/ AASHTO and Unified Class.
						SSA			Probe, no material samples taken.	
5										
10										
15							546.1		Bottom of Exploration at 15.0 feet below ground surface NO REFUSAL	15.0
20										
25										

Remarks:

Stratification lines represent approximate boundaries between soil types; transitions may be gradual.

* Water level readings have been made at times and under conditions stated. Groundwater fluctuations may occur due to conditions other than those present at the time measurements were made

Page 1 of 1

Boring No.: HB-SEB-102

STATE OF MAINE
DEPARTMENT OF TRANSPORTATION

STATE PROJECT NUMBER 28152.00

WIN
28152.00

HIGHWAY PLANS

STATE OF MAINE
KEITH S. WOOD
No. 10423
REGISTERED PROFESSIONAL ENGINEER

P.E. NUMBER
6/22/2026
DATE

PROJ. MANAGER	R. HODGMAN	
DESIGN-DETAILED	P. MARTIN	JUNE 2026
CHECKED-REVIEWED	K. WOOD	JUNE 2026
DESIGN2-DETAILED2	YT LEE	MAY 2026
DESIGN3-DETAILED3		
REVISIONS 1		
REVISIONS 2		
REVISIONS 3		
REVISIONS 4		
FIELD CHANGES		

SEBAGO
CONVENE ROAD

BORING LOGS

SHEET NUMBER

6

OF 13

Username: Paul.Martin Date: 6/18/2026

Filename: C:\Users\Terry.White\State of Maine\MaineDOT Work - 28150_00\GEOTECH\Boring_Location_Plan1.dgn

CURVE DATA
PI = 107+15.38
D = 02°51'53.24"
Δ = 05°35'40.10" (LT)
R = 2000.00'
L = 195.28'
T = 97.72'
E = 2.39'

CURVE DATA
PI = 202+73.20
D = 04°36'44.54"
Δ = 06°11'35.00" (LT)
R = 1242.22'
L = 134.27'
T = 67.20'
E = 1.82'

CURVE DATA
PI = 203+83.77
D = 126°56'57.44"
Δ = 48°14'33.27" (LT)
R = 45.13'
L = 38.00'
T = 20.21'
E = 4.32'

PCC = 106+17.66

PT = 108+12.94

PT = 204+01.56

PC = 202+00.00

PT = 203+40.27

PC = 203+63.56

N40°08'11.7"W

N01°06'22.35"E

15°30'00" SKEW

REMOVE AND RESET EXISTING DRY HYDRANT (SEE NOTE 21 SHEET 3)

CONVENE ROAD STA. 107+30 = ROBINSON HILL STA. 204+08.14

RIPRAP CULVERT OUTLET

RIPRAP CULVERT OUTLET

REMOVE EXISTING CULVERT

EXTEND EXISTING CULVERT 24" OPTION III

RIPRAP CULVERT INLET

REMOVE EXISTING CULVERT

REMOVE EXISTING CULVERT

℄ 14' SPAN X 5' RISE X 72' LENGTH PRECAST CONCRETE BOX CULVERT - STATE SUPPLIED

RIPRAP CULVERT INLET

TO BALDWIN

TO SEBAGO

CONVENE ROAD

ROBINSON HILL ROAD

105+00 106+00 107+00 108+00 109+00 203+00

PLAN

PLAN/PROFILE

Horiz. 25 0 25 50
Vert. 5 0 5 10
Scale of Feet

STA 107+25
END TRANSITION

STA 108+25
BEGIN TRANSITION

STA 108+50
END TRANSITION
MATCH EXISTING
ROADWAY PAVEMENT

STA 107+00
BEGIN TRANSITION
MATCH EXISTING
ROADWAY PAVEMENT

PVI = STA. 107+00.00
ELEV. = 561.51

PROPOSED PROFILE

PVC = STA. 107+75.00
ELEV. = 561.02

PVI = STA. 108+25.00
ELEV. = 560.70'

PVT = STA. 108+75.00
ELEV. = 561.12

EXISTING PROFILE

4" HOT MIX ASPHALT

G = -0.65%

G = -0.65%

G = 0.75%

EXISTING 24" CMP CULVERT (EXTEND)

15:1

15:1

EXISTING 24" CMP CULVERT (REMOVE)

20" AGGREGATE SUBBASE COURSE GRAVEL

EXISTING 42" CMP CULVERT (REMOVE)

LIMITS OF GRANULAR BORROW

14' SPAN X 5' RISE X 72' LENGTH PRECAST CONCRETE BOX CULVERT - STATE SUPPLIED

GRANULAR BORROW MATERIAL FOR UNDERWATER BACKFILL

LOW POINT = STA. 108+18.53
ELEV. = 560.88

VCL = 100'
HLSD = INF'
E = 0.185'

EL 566.86 EL 565.66 EL 564.67 EL 563.78 EL 563.00 EL 562.43 EL 561.97 EL 561.66 EL 561.51 EL 561.51 EL 561.39 EL 561.35 EL 561.24 EL 561.18 EL 561.07 EL 561.02 EL 560.90 EL 560.91 EL 560.85 EL 560.88 EL 560.93 EL 560.95 EL 561.12 EL 561.12 EL 561.37

105+00 106+00 107+00 108+00

CONVENE ROAD PROFILE

STA 203+75.00
END TRANSITION

STA 203+50.00
BEGIN TRANSITION
MATCH EXISTING
ROADWAY PAVEMENT

PVI = STA. 203+50.00
ELEV. = 562.32

PVI = STA. 203+97.12
ELEV. = 561.32

PVI = STA. 204+08.11
ELEV. = 561.31

G = -2.12%

G = -0.09%

EXISTING PROFILE

PROPOSED PROFILE

4" HOT MIX ASPHALT

20" AGGREGATE SUBBASE COURSE GRAVEL

EL 565.19 EL 564.20 EL 563.34 EL 562.75 EL 562.32 EL 562.32 EL 561.86 EL 561.79 EL 561.44 EL 561.32

203+00 204+00

ROBINSON HILL ROAD PROFILE

STATE OF MAINE
DEPARTMENT OF TRANSPORTATION

STATE PROJECT NUMBER 28152.00

WIN 28152.00

HIGHWAY PLANS

STATE OF MAINE · KEITH S. WOOD · No. 10423 · LICENSED PROFESSIONAL ENGINEER

P.E. NUMBER 10423
DATE 7/22/26

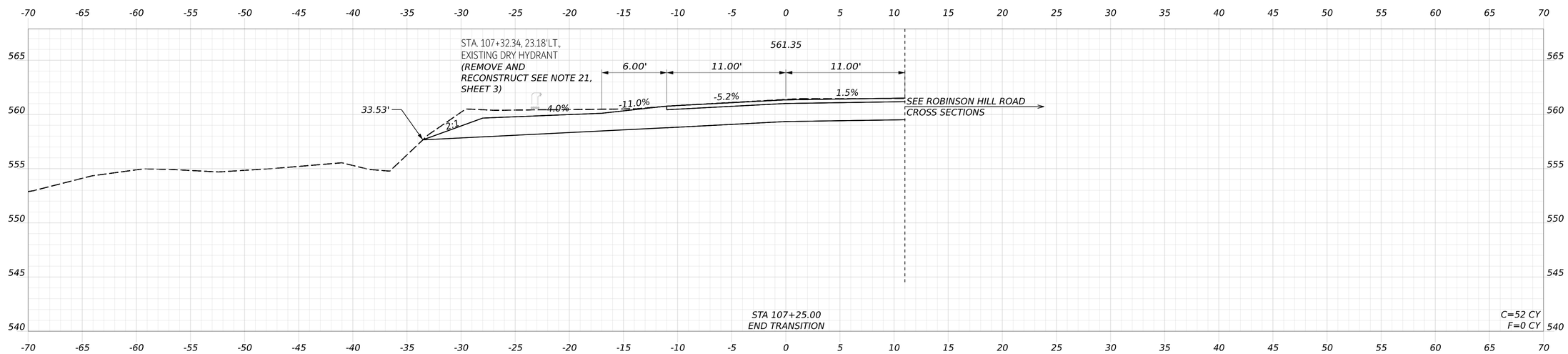
	BY	DATE
PROJ. MANAGER	R. HODGMAN	
DESIGN-DETAILED	K. WOOD	6/2025
CHECKED-REVIEWED	K. WOOD	7/2025
DESIGN2-DETAILED2	A. BONNEY	
DESIGN3-DETAILED3		
REVISIONS 1		
REVISIONS 2		
REVISIONS 3		
REVISIONS 4		
FIELD CHANGES		

SEBAGO
CONVENE ROAD
PLAN AND PROFILE

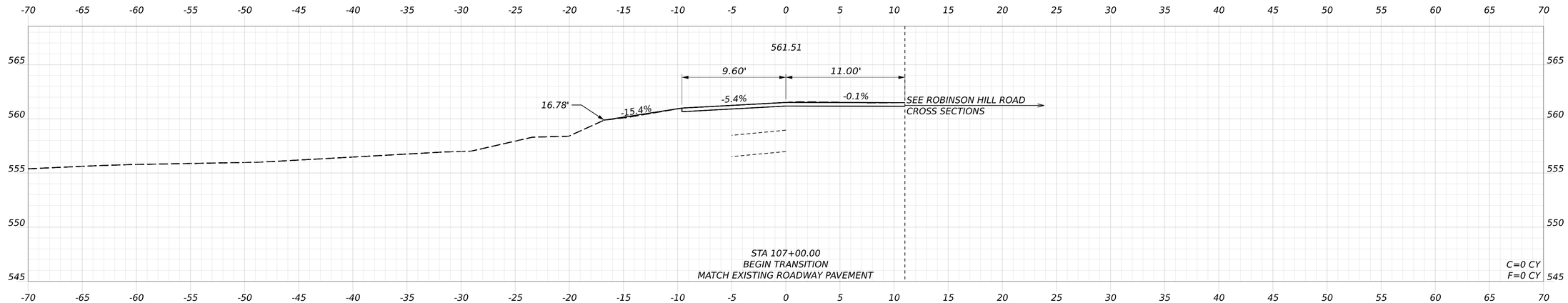
SHEET NUMBER 7
OF 13

Username: PaulMartin Date: 6/18/2026

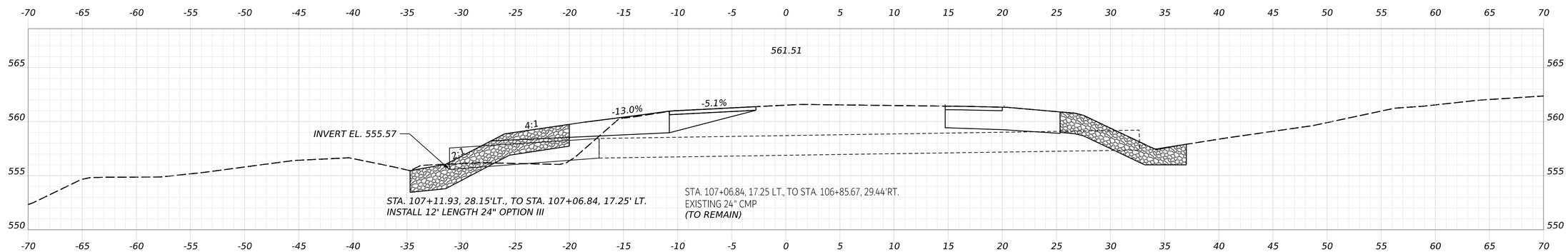
Filename: L:\Maine Department of Transportation\25000396.003A-T-MaineDOT- Sebago Culvert\Working\Drawings\HIGHWAY\PlanProfile_Road.dgn



107+25.00



107+00.00



106+98.85 (SKEW 24°35'17")

STATE OF MAINE
DEPARTMENT OF TRANSPORTATION

STATE PROJECT NUMBER 28152.00

WIN 28152.00

HIGHWAY PLANS

STATE OF MAINE
KEITH WOOD
No. 10423
LICENSED
PROFESSIONAL ENGINEER
7/17/26

	NAME	DATE
PROJ. MANAGER	R. HODGMAN	
DESIGN-DETAILED	K. WOOD	6/2025
CHECKED-REVIEWED	K. WOOD	7/2025
DESIGN2-DETAILED2		
DESIGN3-DETAILED3		
REVISIONS 1	BY:	DATE:
REVISIONS 2	P. MARTIN	6/2025
REVISIONS 3	A. BONNEY	7/2025
REVISIONS 4		
FIELD CHANGES		

Keith S Wood
P.E. NUMBER 10423
7/22/26
SIGNATURE
DATE

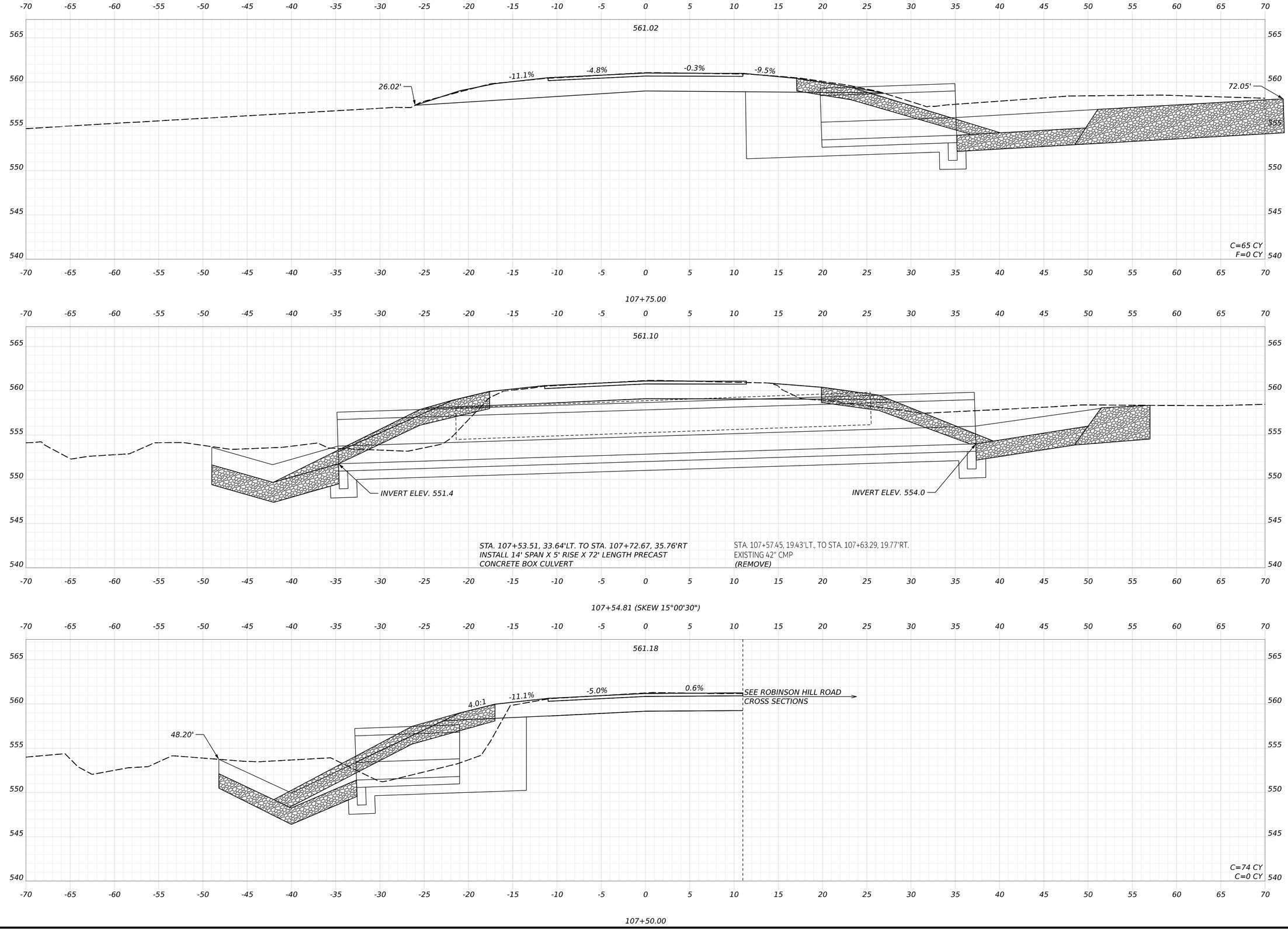
SEBAGO
CONVENE ROAD

CROSS SECTIONS

SHEET NUMBER
8
OF 13

Date: 6/18/2026
Username: Paul.Martin

Filename: c:\pwworking\kleinfelderpw01\paul.martin@kleinfelder.com\d0258313\Cross_Sections_Road.dgn



STATE OF MAINE
DEPARTMENT OF TRANSPORTATION

STATE PROJECT NUMBER 28152.00

WIN
28152.00

HIGHWAY PLANS

STATE OF MAINE
KEITH S. WOOD
No. 10423
PROFESSIONAL ENGINEER

P.E. NUMBER 10423
DATE 6/22/2026

PROJ. MANAGER	R. HOOKMAN	
DESIGN-DETAILED	K. WOOD	P. MARTIN 6/2025
CHECKED-REVIEWED	K. WOOD	A. BONNEY 7/2025
DESIGN2-DETAILED2		
DESIGN3-DETAILED3		
REVISIONS 1		
REVISIONS 2		
REVISIONS 3		
REVISIONS 4		
FIELD CHANGES		

SEBAGO
CONVENE ROAD

CROSS SECTIONS

SHEET NUMBER
9
OF 13

Date: 6/18/2026
Username: Paul.Martin

Filename: c:\pwworking\kleinfelderpw01\paul.martin@kleinfelder.com\d0258313\Cross_Sections_Road.dgn

STATE OF MAINE
DEPARTMENT OF TRANSPORTATION

STATE PROJECT NUMBER 28152.00

WIN
28152.00

HIGHWAY PLANS

STATE OF MAINE
KEITH S. WOOD
No. 10423
REGISTERED PROFESSIONAL ENGINEER

P.E. NUMBER 10423
DATE 6/22/26

	BY	DATE
PROJ MANAGER	R. HODGMAN	
DESIGN-DETAILED	K. WOOD	6/2025
CHECKED-REVIEWED	P. MARTIN	6/2025
DESIGN1-DETAILED2	K. WOOD	7/2025
DESIGN1-DETAILED3	A. BONNEY	7/2025
REVISIONS 1		
REVISIONS 2		
REVISIONS 3		
REVISIONS 4		
FIELD CHANGES		

SEBAGO CONVENE ROAD

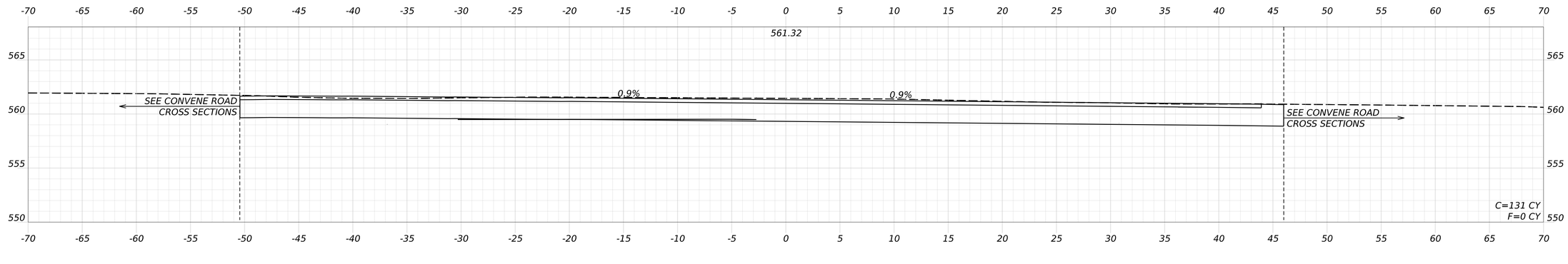
CROSS SECTIONS

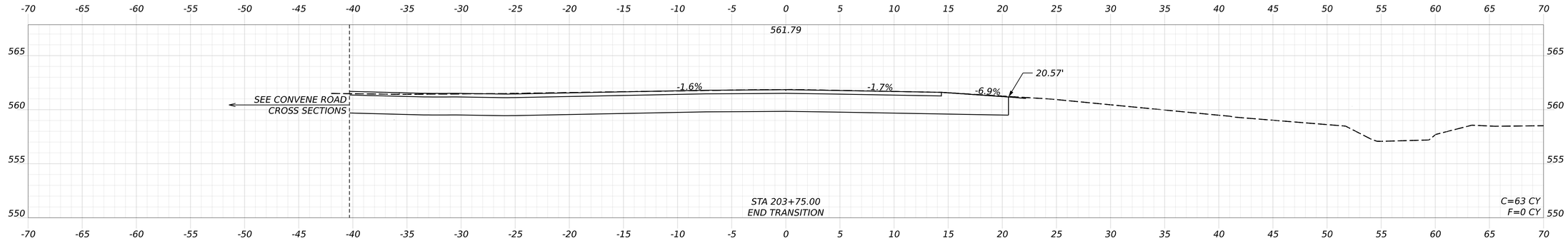
SHEET NUMBER
10
OF 13

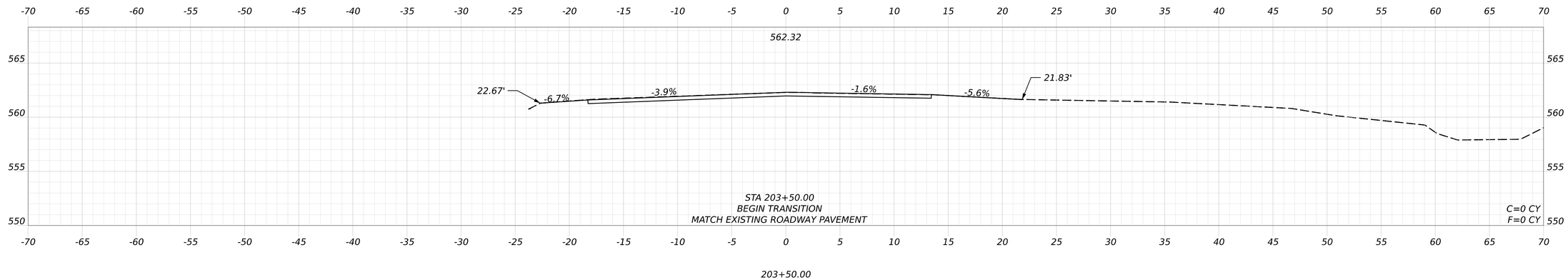
Date: 6/18/2026

Username: Paul.Martin

Filename: L:\Maine Department of Transportation\25000396.003A-T-MaineDOT- Sebago Culvert\Working\Drawings\HIGHWAY\Cross_Sections_Road.dgn







STATE OF MAINE
DEPARTMENT OF TRANSPORTATION

STATE PROJECT NUMBER 28152.00

WIN
28152.00

HIGHWAY PLANS

STATE OF MAINE
KEITH S. WOOD
NO. 10423
LICENSED
PROFESSIONAL ENGINEER
7/21/26

SIGNATURE

P.E. NUMBER 10423

DATE 7/22/26

	BY	DATE
PROJ. MANAGER	R. HODGMAN	
DESIGN-DETAILED	K. WOOD	6/2025
CHECKED-REVIEWED	K. WOOD	7/2025
DESIGNER-DETAILED2		
DESIGNER-DETAILED3		
REVISIONS 1		
REVISIONS 2		
REVISIONS 3		
REVISIONS 4		
FIELD CHANGES		

SEBAGO
ROBINSON HILL ROAD

CROSS SECTIONS

SHEET NUMBER

11

OF 13

Date: 6/18/2026

Username: Paul.Martin

Filename: c:\pwworking\kleinfelderpw01\paul.martin@kleinfelder.com\d0258313\Cross_Sections_RobinsonRd.dgn

1 DETOUR AHEAD

2 ROAD CLOSED 500 FT.

3 ROAD CLOSED 1000 FT.

4 CONVENE ROAD DETOUR

5 CONVENE ROAD DETOUR

6 CONVENE ROAD DETOUR

7 ROAD CLOSED 1/2 MILE

8 END DETOUR

9 CONVENE ROAD DETOUR

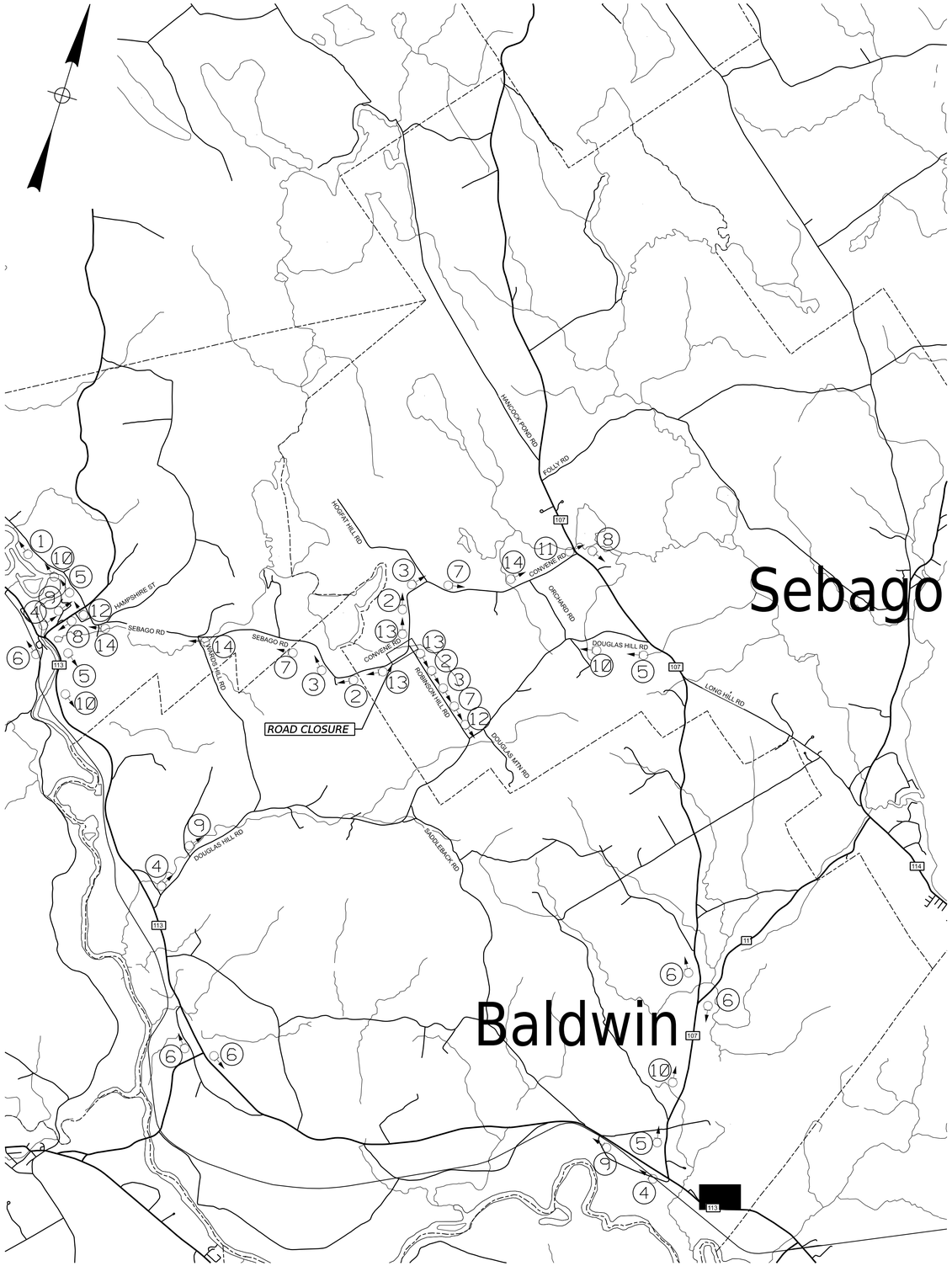
10 CONVENE ROAD DETOUR

11 ROAD CLOSED X MILE AHEAD LOCAL TRAFFIC ONLY DETOUR

12 ROAD CLOSED X MILE AHEAD LOCAL TRAFFIC ONLY DETOUR

13 ROAD CLOSED

14 ROAD CLOSED AHEAD



DETOUR NOTES

1. *SPACING TO BE IN ACCORDANCE WITH MUTCD.*
2. *CONFLICTING DIRECTIONAL SIGNS SHALL BE COVERED.*
3. *PROVIDE ADDITIONAL SIGN 6 AT A MAXIMUM SPACING OF 3 MILES ON ROUTES 107 AND 113 BETWEEN SIGNS SHOWN ON THE DETOUR PLAN.*

STATE OF MAINE
DEPARTMENT OF TRANSPORTATION

STATE PROJECT NUMBER 28152.00

WIN 28152.00

HIGHWAY PLANS

STATE OF MAINE · KEITH S. WOOD · No. 10423 · LICENSED PROFESSIONAL ENGINEER

P.E. NUMBER 10423

SIGNATURE

DATE 6/22/2026

PROJ MANAGER	R. HODGMAN	
DESIGN=DETAILED	K. WOOD	6/2025
CHECKED-REVIEWED	K. WOOD	3/2026
DESIGN2-DETAILED2		
DESIGN3-DETAILED3		
REVISIONS 1		
REVISIONS 2		
REVISIONS 3		
REVISIONS 4		
FIELD CHANGES		

SEBAGO
CONVENE ROAD

PRELIMINARY DETOUR PLAN

SHEET NUMBER

12

OF 13

Date: 6/18/2026

Username: Paul.Martin

Filename: L:\Maine Department of Transportation\25000396.002A-T-MaineDOT- Sebago Culvert\Working\Drawings\HIGHWAY\Detour_Plan.dgn

PLAN LEGEND

Town, County, State	New R/W Along Existing R/W		Existing / Proposed	Existing / Proposed	Cut Line C C C / Fill Line F F F
Approx. Property Lines	Building / Clearing Limit Line CLL		Sanitary Sewer	Traveled Way	Stonewall / Retaining Wall
Existing Right of Way	Trees: Conifer / Deciduous		Com. Line UG COM	Ditch	Baseline 10+00 11+00 12+00
Limits of Wrought Portion — LIMITS OF WROUGHT PORTION	Tree Line / Bush Line		Electric Line E	Catch Basin	Monument / Traverse Point
Control Of Access	Water Edge		Water Line W	Manhole	Iron Rod Set IRS / Pipe Found IPF
New Right of Way	Ledge / Rock/Boulder / Flag Pole		Underdrain Line	Sewer Manhole	
New Easement	Fence: CHAIN LINK / BARB WIRE / STOCKADE		Gas Line G	Utility Pole	
New Temporary Rights — TEMP. CONST. LIMITS	Sign / Well / Mailbox		Guardrail	Fire Hydrant	
New R/W Within Existing R/W			Culvert	Curbing	

THIS PLAN WAS PREPARED IN CONNECTION WITH THE DEPARTMENT'S ACQUISITION OF REAL PROPERTY FOR TRANSPORTATION PURPOSES. IT CANNOT BE USED TO ESTABLISH LEGAL BOUNDARIES BETWEEN ABUTTING PROPERTY OWNERS.

25 0 25 50 75 100
Scale of Feet

STATE OF MAINE
REGISTRY OF DEEDS

COUNTY OF _____
RECEIVED _____, 20____
AT____ HRS. ____ MINS. ____ .M.
AND RECORDED IN
PLAN BOOK (OR FILE NO.) _____, PAGE _____
ATTEST: _____
REGISTER

PLAN OF HANSON BROOK VALLEY REVISED SUBDIVISION
FINAL PLAN SHEET 1 OF 2
BY R.W. EATON ASSOCIATES
REVISION 6, DATED MARCH 21, 2011
RECORDED AT C.C.R.D. IN PLAN BOOK 211, PAGE 159

CONTROL INFORMATION
HORIZONTAL DATUM - US STATE PLANE NAD83 (2011)
ZONE - MAINE 2000 WEST ZONE
VERTICAL DATUM - NAVD88
COMBINED SCALE FACTOR: 0.999967358

GRID NORTH
MAINE 2000 WEST ZONE

CURVE DATA - A1
PI = 104+22.20
D = 11°55'02.7"
Δ = 50°01'41.9" (LT)
R = 480.77'
L = 419.79'
T = 224.33'
E = 49.76'

CURVE DATA - A2
PI = 107+15.38
D = 02°51'53.2"
Δ = 05°35'40.1" (LT)
R = 2000.00'
L = 195.28'
T = 97.72'
E = 2.39'

PETER N. GREENE
PARCEL NO. (2)
LAND TAKEN = (1) (EX. EASE. HIGHWAY)
LAND TAKEN = 1,835± S.F.
TEMP. CONST. RIGHTS = 314± S.F. (1)
TOTAL LOT AREA = 8.94± AC. (SURVEY)
REM. LOT AREA = 8.90± AC.

CHRISTINA KEILT
RAUL E. FREYRE
PARCEL NO. (4)
LAND TAKEN = (1) (EX. EASE. HIGHWAY)
LAND TAKEN = (1) (EX. L.O.W.P.)
LAND TAKEN = 1,701± S.F.
TEMP. CONST. RIGHTS = 764± S.F. (2)
TOTAL LOT AREA = 11.3± AC. (SURVEY)
REM. LOT AREA = 11.26± AC.

BROOKE E. BARNES
PARCEL NO. (1)
LAND TAKEN = (1) (EX. EASE. HIGHWAY)
LAND TAKEN = (1) (EX. L.O.W.P.)
TOTAL LOT AREA = 107.00± AC. (TOWN)

CURVE DAT A- B1
PI = 202+73.20
D = 04°36'44.5"
Δ = 06°11'35.0" (LT)
R = 1242.22'
L = 134.27'
T = 67.20'
E = 1.82'

ALANNA ROSE DOUGHTY
JASON YANNELLI
PARCEL NO. (5)
LAND TAKEN = (1) (EX. L.O.W.P.)
LAND TAKEN = 0.05± AC.
TEMP. CONST. RIGHTS = 1,694± S.F. (1)
TOTAL LOT AREA = 38.0± AC. (TOWN)
REM. LOT AREA = 37.95± AC.

KENNETH J. LITTLEFIELD
MELISSA B. LITTLEFIELD
PARCEL NO. (3)
LAND TAKEN = (1) (EX. L.O.W.P.)
LAND TAKEN = 610± S.F.
TOTAL LOT AREA = 12.5± AC. (TOWN)
REM. LOT AREA = 12.49± AC.

CURVE DATA - B2
PI = 203+83.77
D = 126°56'57.4"
Δ = 48°14'33.3" (LT)
R = 45.13'
L = 38.00'
T = 20.21'
E = 4.32'

LICKUS BRIDGE
(BRIDGE NO. 6791)
OVER
HANSON BROOK

NOTE: PRESCRIPTIVE EASEMENT FOR HIGHWAY PURPOSES WITHIN LIMITS OF WROUGHT PORTION (L.O.W.P.)

WATERWAY LIMITS DOWNSTREAM OF THIS POINT WERE FIELD-LOCATED. WATERWAY LIMITS UPSTREAM OF THIS POINT WERE TRACED FROM A RASTERED GOOGLE EARTH IMAGE.

EXISTING RIGHT OF WAY INFORMATION

1) CONVENE ROAD SOUTH OF BRIDGE
MAINE STATE HIGHWAY COMMISSION PLAN OF THIRD CLASS HIGHWAY NO. 1 PROPOSED RELOCATION SEBAGO, CUMBERLAND COUNTY, S.H.C. FILE NO. S-3-163 RECORDED AT C.C.R.D. PLAN BOOK 22, PAGE 15 DATED FEBRUARY 1934

2) CONVENE ROAD SOUTH OF BRIDGE
PRESCRIPTIVE EASEMENT FOR HIGHWAY PURPOSES WITHIN LIMITS OF WROUGHT PORTION (L.O.W.P.)

3) CONVENE ROAD NORTH OF BRIDGE
PRESCRIPTIVE EASEMENT FOR HIGHWAY PURPOSES WITHIN LIMITS OF WROUGHT PORTION (L.O.W.P.)

4) ROBINSON HILL ROAD
PRESCRIPTIVE EASEMENT FOR HIGHWAY PURPOSES WITHIN LIMITS OF WROUGHT PORTION (L.O.W.P.)

REVISIONS NO.	DATE	DESCRIPTION	BY

PLAN FILED IN PLAN BOOK NO.	PAGE	GRANTOR	COUNTY RECORD INSTRUMENT	DATE	BOOK	PAGE

DALE F. DOUGHTY
COMMISSIONER
WILLIAM A. PULVER
CHIEF ENGINEER
DATE

STATE AID HIGHWAY NO. 6
CONVENE ROAD
SEBAGO CUMBERLAND COUNTY
WORK IDENTIFICATION NO. (W.I.N.) 028152.00

DECEMBER 2025	RIGHT-OF-WAY MAP	D.O.T FILE NO. 3-687
SCALE 1"= 25'	SHEET 1 OF 1	

SHEET NUMBER
13
OF 13

ITEM	CHECKED
EXISTING CONDITION PLAN	C.W.K.
FINAL RIGHT OF WAY	P.N.S.
AREAS	J.H.

TECH M.C.G. M.C.G. M.C.G.

STATE OF MAINE
DEPARTMENT OF TRANSPORTATION
16 STATE HOUSE STATION
AUGUSTA, ME 04333-0016 - 207-624-3460
SEBAGO
RIGHT OF WAY MAP

Date: 4/6/2026
Username: Mark.Genaris

Filename: C:\Users\mark.genaris\State of Maine\MaineDOT Work - WIN\28152_00\ROW\Right-of-Way_Plan.dgn