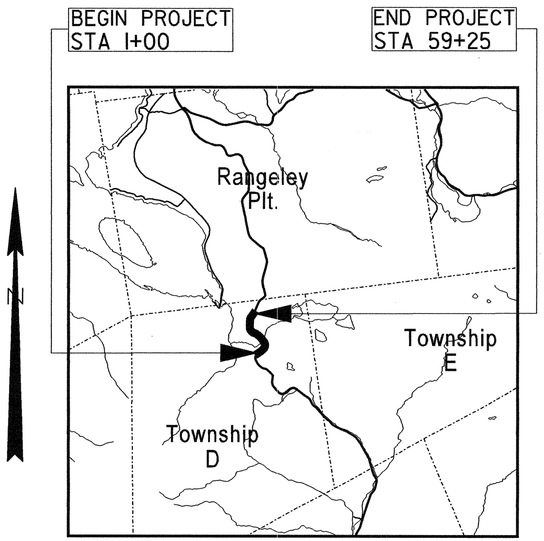
STATE OF MAINE
DEPARTMENT OF TRANSPORTATION

SB-ME-98(007)



LOCATION MAP

2 0 2 4
Scale in Miles

TOWNSHIP D

FRANKLIN COUNTY

ROUTE 17

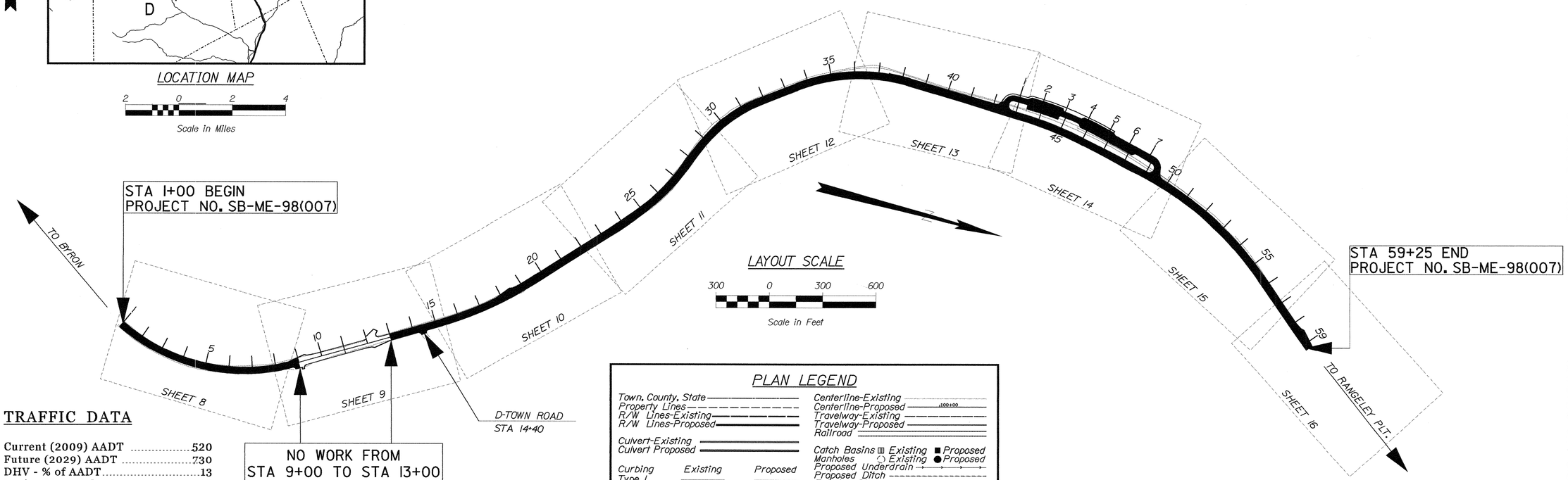
SB-ME-98(007)

PROJECT LENGTH : 1.027 MILES

HIGHWAY RECONSTRUCTION AND SCENIC TURNOUT ENHANCEMENTS

INDEX OF SHEETS

Description	Sheet No.
Title Sheet	1
Typical Sections	2 - 3
Special Details	4
Estimated Quantities and Earthwork Summary	5
Drainage Sheet	6
General Notes	7
Plan Sheets	8 - 16
Profile Sheets	17 - 23
Cross - Sections	24 - 63
Boring Logs	64 - 65
Right of Way Maps	66 - 74



LAYOUT SCALE

300 0 300 600
Scale in Feet

TRAFFIC DATA

Current (2009) AADT	520
Future (2029) AADT	730
DHV - % of AADT	13
Design Hour Volume	95
% Heavy Trucks (AADT)	24
% Heavy Trucks (DHV)	17
Directional Distribution (DHV)	55
18 kip Equivalent P 2.0	163
18 kip Equivalent P 2.5	156
Design Speed (mph)	45
Functional Class	Major Collector

PLAN LEGEND

Town, County, State
Property Lines
R/W Lines-Existing
R/W Lines-Proposed

Culvert-Existing
Culvert Proposed

Curbing — Existing — Proposed
Type 1
Type 3
Type 5

Outline of Bodies of Water
Ledge
Buildings

Trees — Conifer — Deciduous
Tree Line
Clearing Limit Line

Centerline-Existing
Centerline-Proposed
Travelway-Existing
Travelway-Proposed
Railroad

Catch Basins — Existing — Proposed
Manholes — Existing — Proposed
Proposed Underdrain
Proposed Ditch
Existing Ditch

Utility Poles — Existing — Proposed
Fire Hydrants — Existing — Proposed
Existing Water Line
Existing San. Sewer
Existing San. Sewer Manhole

Guardrail-Existing
Guardrail-Proposed
Guardrail-Cable, Other

PROGRAM AREA: COLLECTOR HIGHWAY IMPROVEMENT

SCOPE OF WORK: RECONSTRUCTION WITH DRAINAGE AND SAFETY IMPROVEMENTS AND SCENIC TURNOUT ENHANCEMENTS

STATE OF MAINE
DEPARTMENT OF TRANSPORTATION

APPROVED — DATE
COMMISSIONER: 6/16/10
CHIEF ENGINEER: 6/15/10

STATE OF MAINE — Mark Shibles — 11183 — LICENSED PROFESSIONAL ENGINEER

SIGNATURE 11183
P.E. NUMBER
6/4/10
DATE

PROJECT INFORMATION

PROGRAM	HIGHWAY
PROJECT MANAGER	HEATH COWAN
DESIGNER	SHANE AMOROSO
CONSULTANT	
PROJECT RESIDENT	
CONTRACTOR	
PROJECT COMPLETION DATE	

PIN 8670.10

SB-ME-98(007)

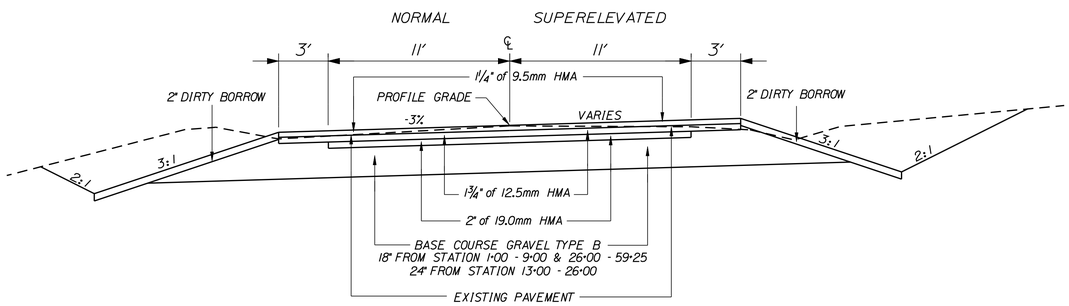
TOWNSHIP D
ROUTE 17

TITLE SHEET

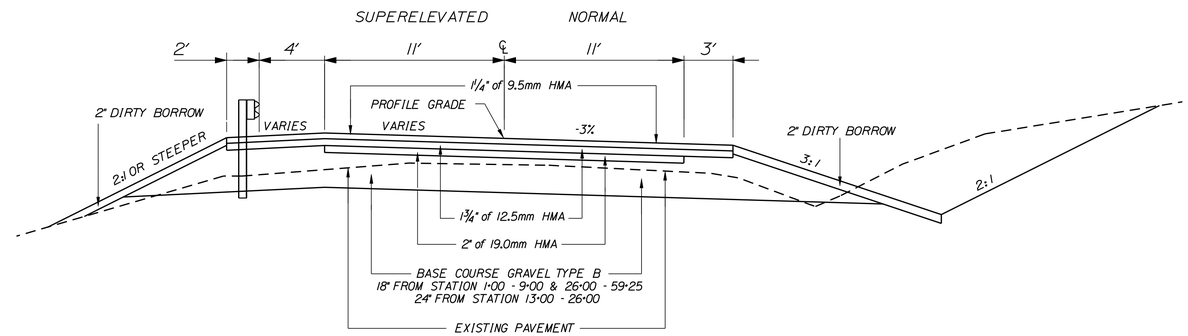
SHEET NUMBER
1
OF 74

Filename: ...\HIGHWAY\MSTA\001_Title_.dgn Division: HIGHWAY Username: mark.shibles Date:6/4/2010

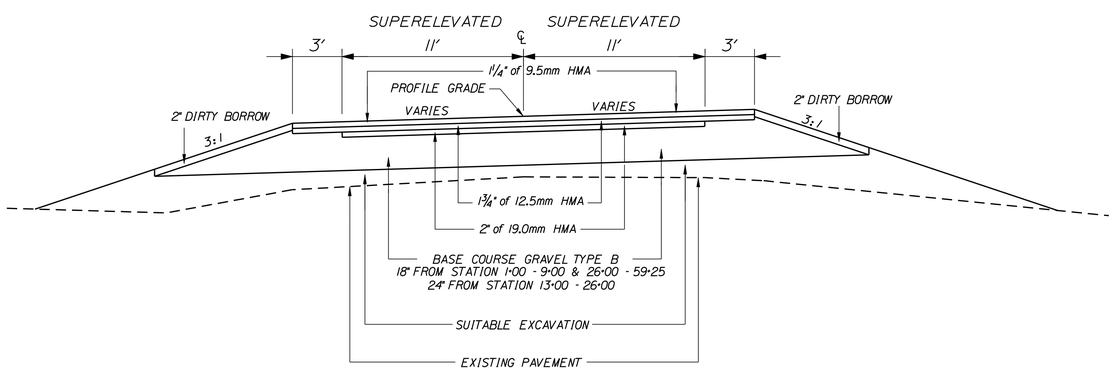
FULL DEPTH CONSTRUCTION



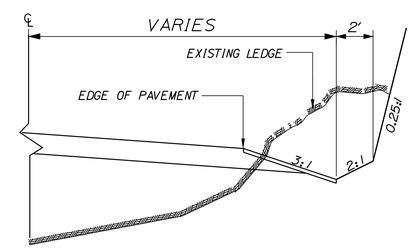
GUARDRAIL



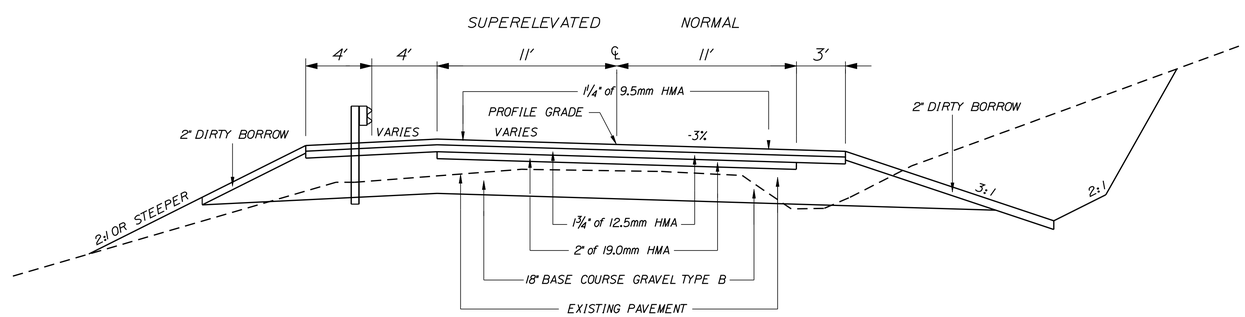
VARIABLE DEPTH FILL



LEDGE



WALKWAY BEHIND GUARDRAIL



STATION 37+50 - 42+50 +/-

NOTE:

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 SHALL HAVE THE SAME SLOPE AS THE TRAVELWAY.
3. CROWNS FOR BOTH NORMAL AND SUPERELEVATION SECTIONS FOR ALL COURSES OF SUBBASE AND PAVEMENT SHALL BE STRAIGHT.
4. THE ALGEBRAIC DIFFERENCE BETWEEN THE SHOULDER AND TRAVELWAY CROSS SLOPES "ROLLOVER" SHALL NOT EXCEED 8%.

NOT TO SCALE

STATE OF MAINE
DEPARTMENT OF TRANSPORTATION

SB-ME-98(007)

PIN 8670.10

HIGHWAY PLANS

	BY	DATE
PROJ. MANAGER	H. COWAN	
DESIGN-DETAILED	S. AMOROSO	M. SHIBLES	6/4/2010
CHECKED-REVIEWED		
DESIGN2-DETAILED2		
DESIGN3-DETAILED3		
REVISIONS 1		
REVISIONS 2		
REVISIONS 3		
REVISIONS 4		
FIELD CHANGES		

SIGNATURE

P.E. NUMBER

DATE

TOWNSHIP D
ROUTE 17

TYPICAL SECTIONS

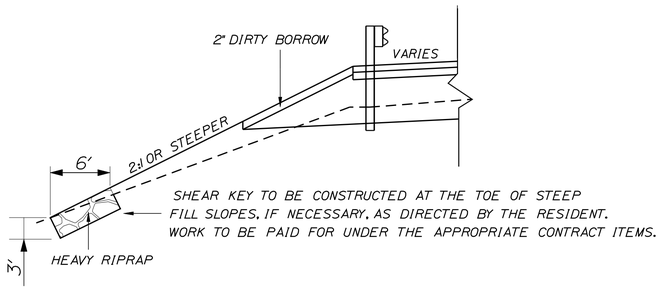
SHEET NUMBER

2

OF 74

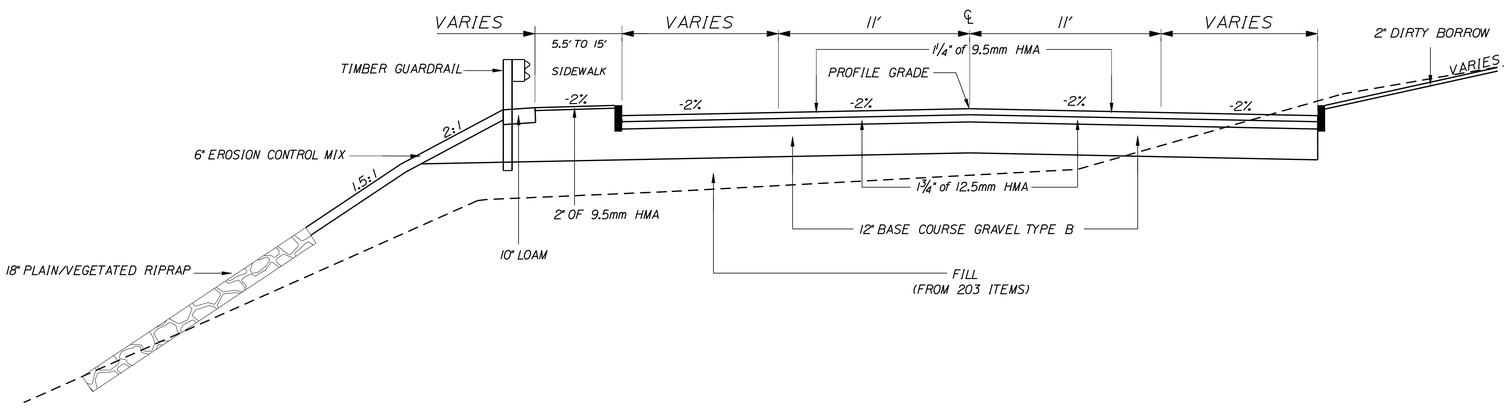
Filename: ...\MSTA\002_Typical_Sheet1.dgn Division: HIGHWAY Username: norma.gilman Date:6/17/2010

SHEAR KEY



SCENIC VISTA

FULL DEPTH CONSTRUCTION



NOTE:

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 SHALL HAVE THE SAME SLOPE AS THE TRAVELWAY.
3. CROWNS FOR BOTH NORMAL AND SUPERELEVATION SECTIONS FOR ALL COURSES OF SUBBASE AND PAVEMENT SHALL BE STRAIGHT.
4. THE ALGEBRAIC DIFFERENCE BETWEEN THE SHOULDER AND TRAVELWAY CROSS SLOPES "ROLLOVER" SHALL NOT EXCEED 8%.

BASE COURSE GRAVEL TYPE B			
STATION - STATION	LEFT SHOULDER CY/100 LF	TRAVEL LANES CY/100 LF	RIGHT SHOULDER CY/100 LF
1+50 - 8+00	35.79	122.23	35.79
13+00 - 18+00	52.78	162.96	52.78
18+00 - 19+00	85.01	162.96	52.78
19+00 - 26+00	68.51	162.96	52.78
26+00 - 27+00	57.44	135.80	43.98
27+00 - 37+00	55.68	122.23	35.79
37+00 - 42+00	63.09	122.23	35.79
42+00 - 50+00	35.79	122.23	35.79
50+00 - 58+00	55.68	122.23	35.79

SUPERELEVATION TABLE

LEFT SHOULDER	LEFT TRAVELWAY	STATION	RIGHT TRAVELWAY	RIGHT SHOULDER
MATCH	MATCH	1+00	MATCH	MATCH
TRANSITION	TRANSITION	1+50	TRANSITION	TRANSITION
-5.8%	-5.8%	2+00	+5.8%	+5.8%
|	|	|	|	|
-5.8%	-5.8%	8+50	+5.8%	+5.8%
MATCH	MATCH	9+00	MATCH	MATCH
-3.0%	-3.0%	13+00	-3.0%	-3.0%
|	|	|	|	|
-3.0%	-3.0%	14+00	-3.0%	-3.0%
-3.0%	-3.0%	14+50	-1.1%	-1.1%
-3.0%	-3.0%	15+00	+0.8%	+0.8
-3.9%	-3.9%	15+50	+2.7%	+2.7%
-4.7%	-4.7%	16+00	+4.7%	+4.7%
|	|	|	|	|
-4.7%	-4.7%	19+00	+4.7%	+4.7%
-3.9%	-3.9%	19+50	+2.7%	+2.7%
-3.0%	-3.0%	20+00	+0.8%	+0.8%
-3.0%	-3.0%	20+50	-1.1%	-1.1%
-3.0%	-3.0%	21+00	-3.0%	-3.0%
|	|	|	|	|
-3.0%	-3.0%	22+50	-3.0%	-3.0%
-3.0%	-3.0%	23+00	-0.9%	-0.9%
-3.0%	-3.0%	23+50	+1.2%	+1.2%
-4.2%	-4.2%	24+00	+3.3%	+3.3%
-5.5%	-5.5%	24+50	+5.5%	+5.5%
|	|	|	|	|
-5.5%	-5.5%	26+00	+5.5%	+5.5%
-3.6%	-3.6%	26+50	+3.6%	+3.6%
-1.7%	-1.7%	27+00	+1.7%	+1.7%
-2.0%	+0.2%	27+50	-0.2%	-0.2%
-2.0%	+2.2%	28+00	-2.2%	-2.2%
-2.0%	+4.1%	28+50	-4.1%	-4.1%
-2.0%	+6.0%	29+00	-6.0%	-6.0%
0%	+7.9%	29+50	-7.9%	-7.9%
|	|	|	|	|
0%	+7.9	31+50	-7.9%	-7.9%
-1.0%	+5.9%	32+00	-5.9%	-5.9%
-2.0%	+4.7%	32+50	-4.7%	-4.7%
|	|	|	|	|
-2.0%	+4.7%	33+50	-4.7%	-4.7%
-2.0%	+6.0%	34+00	-6.0%	-6.0%
|	|	|	|	|
-2.0%	+6.0%	38+00	-6.0%	-6.0%
-2.0%	+3.7%	38+50	-5.0%	-5.0%
-2.0%	+1.4%	39+00	-4.0%	-4.0%
-2.0%	-0.8%	39+50	-3.0%	-3.0%
-3.0%	-3.0%	40+00	-3.0%	-3.0%
|	|	|	|	|
-3.0%	-3.0%	42+00	-3.0%	-3.0%
-1.1%	-1.1%	42+50	-3.0%	-3.0%
+0.8%	+0.8%	43+00	-3.0%	-3.0%
+2.7%	+2.7%	43+50	-3.8%	-3.8%
+4.7%	+4.7%	44+00	-4.7%	-4.7%
|	|	|	|	|
+4.7%	+4.7%	45+50	-4.7%	-4.7%
+2.8%	+2.8%	46+00	-3.8%	-3.8%
+0.9%	+0.9%	46+50	-3.0%	-3.0%
-1.0%	-1.0%	47+00	-3.0%	-3.0%
-1.0%	-1.0%	47+50	-3.0%	-3.0%
+0.9%	+0.9%	48+00	-3.0%	-3.0%
+2.8%	+2.8%	48+50	-3.8%	-3.8%
+4.7%	+4.7%	49+00	-4.7%	-4.7%
|	|	|	|	|
-2.0%	+4.7%	50+00	-4.7%	-4.7%
|	|	|	|	|
-2.0%	+4.7%	55+00	-4.7%	-4.7%
-2.0%	+2.8%	55+50	-3.8%	-3.8%
-2.0%	+0.9%	56+00	-3.0%	-3.0%
-2.0%	-1.0%	56+50	-3.0%	-3.0%
-3.0%	-3.0%	57+00	-3.0%	-3.0%
-3.0%	-3.0%	57+50	-3.0%	-3.0%
-3.0%	-3.0%	58+00	-1.1%	-1.1%
TRANSITION	TRANSITION	58+50	TRANSITION	TRANSITION
TRANSITION	TRANSITION	59+00	TRANSITION	TRANSITION
MATCH	MATCH	59+25	MATCH	MATCH

NOT TO SCALE

STATE OF MAINE
DEPARTMENT OF TRANSPORTATION

SB-ME-98(007)

PIN 8670.10

HIGHWAY PLANS

PROJ. MANAGER	H. COWAN		
DESIGN-DETAILED	S. AMOROSO	M. SHIBLES	6/4/2010
CHECKED-REVIEWED			
DESIGN2-DETAILED2			
DESIGN3-DETAILED3			
REVISIONS 1			
REVISIONS 2			
REVISIONS 3			
REVISIONS 4			
FIELD CHANGES			

SIGNATURE

P.E. NUMBER

DATE

TOWNSHIP D
ROUTE 17

TYPICAL SECTIONS

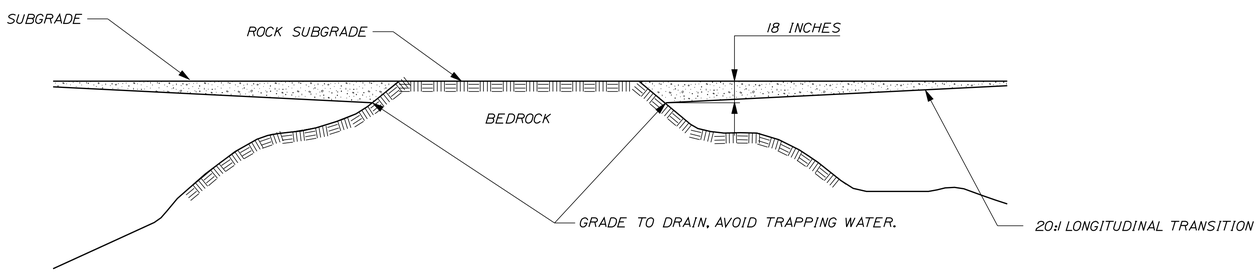
SHEET NUMBER

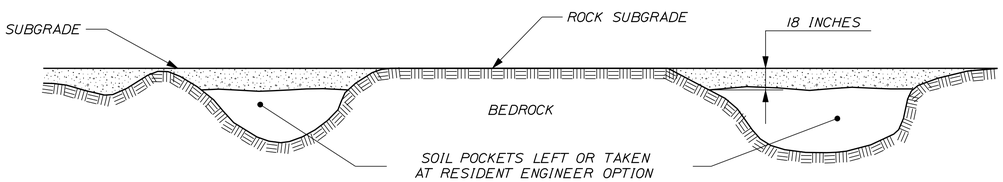
3

OF 74

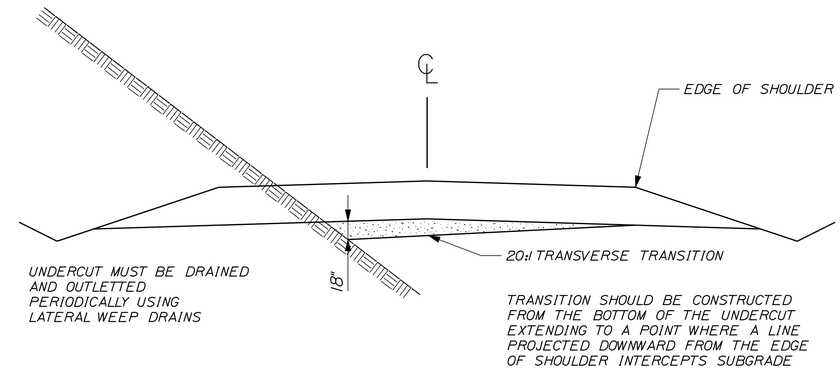
Filename: ...\msto\003_Typical_Sheet2.dgn Division: HIGHWAY Username: norma.gilman Date:6/17/2010

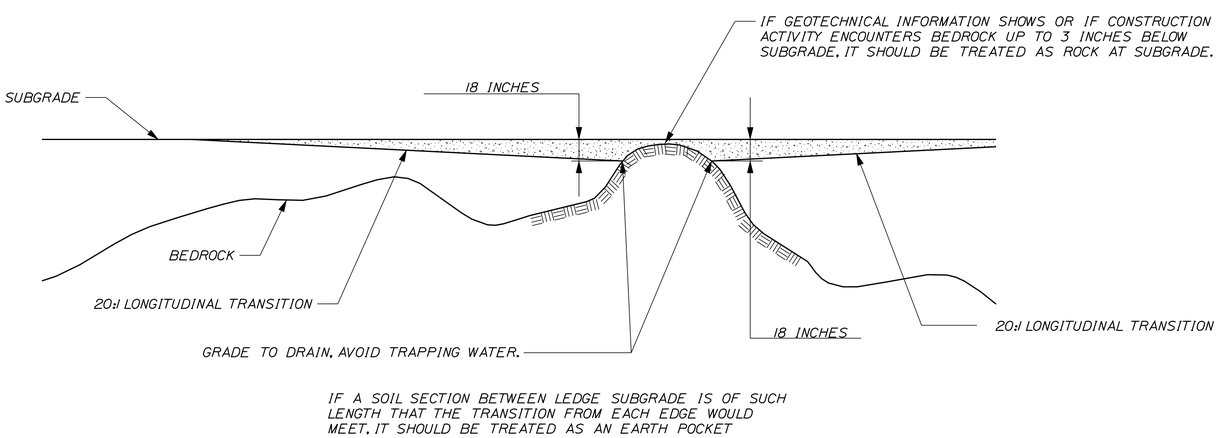
PROFILE OF UNDERCUT OF FROST SUSCEPTIBLE SOILS OVER LEDGE IN AREAS NOT DRILLED AND BLASTED



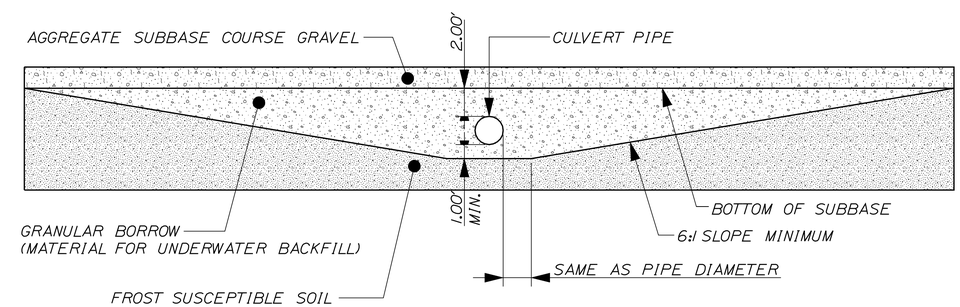


TRANSVERSE UNDERCUT OF FROST SUSCEPTIBLE SOILS OVER LEDGE IN AREAS NOT DRILLED AND BLASTED





CROSS CULVERT IN FROST SUSCEPTIBLE SOILS



NOTES:

1. EXCAVATION OF THE TRANSITION ZONES SHALL BE PAID FOR AS COMMON EXCAVATION. THE CONTRACTOR SHALL REPLACE THE FROST SUSCEPTIBLE SOILS WITH GRAVEL BORROW AND SHALL BE PAID FOR UNDER THE GRAVEL BORROW PAY ITEM.

2. FOR POTENTIAL BEDROCK LOCATIONS, REFER TO THE BORING LOG SHEETS AND CROSS SECTIONS. ACTUAL BEDROCK LOCATIONS WILL VARY.

3. REFER TO MAINEDOT SOILS REPORT 2006-110 FOR ADDITIONAL TRANSITION ZONE DETAILS.

- SOLID BEDROCK
- FROST SUSCEPTIBLE SOIL TO BE UNDERCUT AND REPLACED WITH NON FROST SUSCEPTIBLE MATERIAL
- FROST SUSCEPTIBLE SOIL

NOT TO SCALE

STATE OF MAINE
DEPARTMENT OF TRANSPORTATION

SB-ME-98(007)

PIN 8670.10

HIGHWAY PLANS

PROJ. MANAGER	H. COWAN	BY	DATE	
DESIGN-DETAILED	S. AMOROSO	M. SHIBLES	6/4/2010	
CHECKED-REVIEWED				
DESIGN2-DETAILED2				
DESIGN3-DETAILED3				
REVISIONS 1				
REVISIONS 2				
REVISIONS 3				
REVISIONS 4				
FIELD CHANGES				

SIGNATURE

P.E. NUMBER

DATE

TOWNSHIP D
ROUTE 17

TYPICAL SECTIONS

SHEET NUMBER

4

OF 74

Filename: ...\msta\004_SpecialDetails.dgn Division: HIGHWAY Username: norma.gilman Date:6/17/2010

ESTIMATED QUANTITIES			
ITEM NO.	DESCRIPTION	QUANTITY	UNIT
201.11	CLEARING	3	AC
201.23	REMOVING SINGLE TREE TOP ONLY	15	EA
201.24	REMOVING STUMP	15	EA
202.202	REMOVING PAVEMENT SURFACE	14,000	SY
202.203	PAVEMENT BUTT JOINTS	670	SY
203.20	COMMON EXCAVATION	12,800	CY
203.21	ROCK EXCAVATION	11,500	CY
203.211	PRESPLITTING ROCK	1,700	LF
203.213	FRACTURING EXISTING SUBGRADE LEDGE	10,500	SY
203.214	EXPLORATORY DRILLING	10	HR
203.215	ROCK SCALING	30	HR
203.24	COMMON BORROW	2,700	CY
203.242	DIRTY BORROW	625	CY
203.25	GRANULAR BORROW	1,000	CY
206.07	STRUCTURAL ROCK EXCAVATION - DRAINAGE & MINOR STRUCTURES	150	CY
304.08	AGGREGATE BASE COURSE - SCREENED	13,600	CY
403.207	HOT MIX ASPHALT 19.0 MM HMA	1,600	T
403.209	HOT MIX ASPHALT 9.5 MM HMA (SIDEWALKS,DRIVES,INCIDENTALS)	50	T
403.210	HOT MIX ASPHALT 9.5 MM HMA	1,550	T
403.213	HOT MIX ASPHALT 12.5 MM BASE	2,150	T
409.15	BITUMINOUS TACK COAT APPLIED	900	G
411.10	UNTREATED AGGREGATE SURFACE COURSE (TRUCK MEASURE)	20	CY
411.131	STONE DUST SURFACE COURSE	880	SF
525.326	FIELD STONE RETAINING WALL	350	SF
527.3031	ENERGY ABSORBING SYSTEM (ET PLUS)	3	EA
603.16	15 INCH CULVERT PIPE OPTION I	120	LF
603.17	18 INCH CULVERT PIPE OPTION I	210	LF
603.179	18 INCH CULVERT PIPE OPTION III	410	LF
603.19	24 INCH CULVERT PIPE OPTION I	170	LF
603.199	24 INCH CULVERT PIPE OPTION III	54	LF
603.279	72 INCH CULVERT PIPE OPTION III	76	LF
604.092	CATCH BASIN TYPE BI-C	4.25	EA
604.247	CATCH BASIN TYPE F5-C	1	EA
605.09	6 INCH UNDERDRAIN TYPE B	203	LF
605.12	15 INCH UNDERDRAIN TYPE C	130	LF
606.232	GUARDRAIL TYPE 3C - OVER 15 FOOT RADIUS	175	LF
606.23	GR TP 3C - SGL RAIL,8' POSTS	3,200	LF
606.265	TERMINAL END - SINGLE RAIL- GALVANIZED STEEL	2	EA
606.353	REFLECTORIZED FLEXIBLE GUARDRAIL MARKER	5	EA
606.611	TIMBER GUARDRAIL	360	LF
606.79	GUARDRAIL 350 FLARED TERMINAL	1	EA
608.26	CURB RAMP DETECTABLE WARNING FIELD	48	SF
609.11	VERTICAL CURB TYPE I	780	LF
609.234	TERMINAL CURB TYPE I-4 FOOT	4	EA
609.237	TERMINAL CURB - TYPE I-7 FOOT	8	EA
610.08	PLAIN RIPRAP	1,625	CY
610.10	VEGETATED RIPRAP	250	CY
610.16	HEAVY RIPRAP	1,000	CY
610.18	STONE DITCH PROTECTION	475	CY
613.319	EROSION CONTROL BLANKET	900	SY
615.07	LOAM	50	CY
618.1401	SEEDING METHOD NUMBER 2 - PLAN QUANTITY	89	UN
618.1411	SEEDING METHOD NUMBER 3 - PLAN QUANTITY	82	UN
619.1201	MULCH - PLAN QUANTITY	171	UN
619.1301	BARK MULCH	20	CY
619.1401	EROISION CONTROL MIX	140	CY
620.54	STABILIZATION GEOTEXTILE	1,000	SY
620.58	EROSION CONTROL GEOTEXTILE	1,400	SY
621.101	PLUG/STARTER PLANT	2,000	EA
621.387	DWARF EVERGREENS (18 INCH - 12 INCH)	50	EA
621.388	DWARF EVERGREENS (12 INCH - 15 INCH)	50	EA
621.51	HYBRID RHODODENDRON (15 INCH - 18 INCH)	250	EA
621.511	HYBRID RHODODENDRON (18 INCH - 24 INCH)	280	EA
621.546	DECIDUOUS SHRUBS (2 FOOT - 3 FOOT) GROUP A	100	EA
621.71	HERBACEOUS PERENNIALS GROUP A	600	EA
621.713	HERBACEOUS PERENNIALS & GROUNDCOVERS	650	EA
621.80	ESTABLISHMENT PERIOD	1	LS
627.76	TEMPORARY PVMT.MARK LINE,W OR YELLOW	1	LS
629.05	HAND LABOR,STRAIGHT TIME	20	HR
631.10	AIR COMPRESSOR (INCLUDING OPERATOR)	5	HR
631.11	AIR TOOL (INCLUDING OPERATOR)	5	HR
631.12	ALL PURPOSE EXCAVATOR (INCLUDING OPERATOR)	20	HR
631.132	SMALL BULLDOZER (INCLUDING OPERATOR)	10	HR
631.14	GRADER (INCLUDING OPERATOR)	10	HR
631.15	ROLLER,EARTH AND BASE COURSE (INCLUDING OPERATOR)	10	HR
631.172	TRUCK - LARGE (INCLUDING OPERATOR)	40	HR
631.18	CHAIN SAW RENTAL (INCLUDING OPERATOR)	20	HR
631.20	STUMP CHIPPER (INCLUDING OPERATOR)	20	HR
631.22	FRONT END LOADER (INCLUDING OPERATOR)	10	HR
639.19	FIELD OFFICE TYPE B	1	EA
652.33	DRUM	100	EA
652.34	CONE	100	EA
652.35	CONSTRUCTION SIGNS	900	SF
652.36	MAINTENANCE OF TRAFFIC CONTROL DEVICES	240	CD
652.38	FLAGGER	2,900	HR
656.75	TEMPORARY SOIL EROSION AND WATER POLLUTION CONTROL	1	LS
659.10	MOBILIZATION	1	LS
660.21	ON-THE-JOB TRAINING	1,000	HR

COMMON EXCAVATION FOR ESTIMATE

COMMON EXCAVATION (FROM CROSS SECTIONS)	11,246	
GRUBBING	1,001	
SHEAR KEY (IF NECESSARY)	553	
TOTAL COMMON EXCAVATION		12,800

FILL FOR BORROW CALCULATIONS

COMMON FILL (FROM CROSS SECTIONS)	26,639	
GRUBBING	1,001	
TOTAL FILL		27,640

ROCK EXCAVATION FOR ESTIMATE

ROCK EXCAVATION (FROM CROSS SECTIONS)	11,254	
UNDETERMINED	246	
TOTAL ROCK EXCAVATION		11,500

COMPUTATION OF COMMON BORROW FOR ESTIMATE

TOTAL FILL			27,640
TOTAL AVAIL. NON-ROCK EXCAV.	12,247 x 0.85 =	10,410	
TOTAL AVAIL. ROCK EXCAV.	11,254 x 1.33 =	14,968	
TOTAL AVAILABLE EXCAVATION	=		25,378
BORROW NEEDED = TOTAL FILL MINUS TOTAL AVAILABLE EXCAVATION			2,262
COMMON BORROW =	2,262 x 1.15 =		2,602

STATE OF MAINE
DEPARTMENT OF TRANSPORTATION

SB-ME-98(007)

PIN 8670.10

HIGHWAY PLANS

PROJ. MANAGER	H. COWAN	BY	DATE
DESIGN-DETAILED	S. AMOROSO	M. SHIBLES	6/4/10
CHECKED-REVIEWED			
DESIGN2-DETAILED2			
DESIGN3-DETAILED3			
REVISIONS 1			
REVISIONS 2			
REVISIONS 3			
REVISIONS 4			
FIELD CHANGES			

SIGNATURE

P.E. NUMBER

DATE

TOWNSHIP D
ROUTE 17

ESTIMATED QUANTITIES AND
EARTHWORK SUMMARY

SHEET NUMBER

5

OF 74

Filename: ...\HIGHWAY\MSTA\005_Estimate.dgn Division: HIGHWAY Username: norma.gilman Date:6/18/2010

STATION	CULVERT PIPE											CATCH BASIN					PIPE ARCH			MH	UNDERDRAIN						ELBOWS, TEES, WYES AND INLET GRATE UNITS	REMARKS
	RCP			CMP		OPTION I		OPTION III													TYPE B		TYPE C					
								SMOOTHLINED		CORRUGATED										GAGE OR WALL THICKNESS	TYPE B	OUTLET	SMOOTHLINED		CORRUGATED		DESCRIPTIONS	
	SIZE	LENGTH	CLASS	SIZE	LENGTH	SIZE	LENGTH	SIZE	LENGTH	SIZE	LENGTH	A1-C	B1-C		E	F	SPAN	RISE	LENGTH		LENGTH	LENGTH	SIZE	LENGTH	SIZE	LENGTH		
MAINLINE																												
3+82				72	76																							
14+20 - 14+60 RT						24	40																					
17+65								18	60																			
24+18								18	48																			
32+31								18	54																			
34+71								18	58																			
38+97								18	52																			
41+29								24	54																			
57+35								18	47																			
VISTA																												
0+73 - 1+84 LT						24	130																					
1+84 LT CB#2													1.125															
1+84 - 3+84 LT						18	207																					
3+84 LT CB#3													1.125															
1+84								18	44																			
3+86								18	40																			
1+25 - 1+84 RT						15	60																					
1+84 RT CB#1													1															
1+84 - 3+80 RT																					200						45° ELBOW	
3+88 RT CB#4													1															
3+88 - 5+18 RT																							15	130				
5+18 - 5+50 RT						15	32																				30° ELBOW	
5+50 RT CB#5																1												

STATE OF MAINE
DEPARTMENT OF TRANSPORTATION

SB-ME-98(007)

PIN 8670.10

HIGHWAY PLANS

PROJ. MANAGER	H. COWAN		
DESIGN-DETAILED	S. AMOROSO	M. SHIBLES	6/4/10
CHECKED-REVIEWED			
DESIGN2-DETAILED2			
DESIGN3-DETAILED3			
REVISIONS 1			
REVISIONS 2			
REVISIONS 3			
REVISIONS 4			
FIELD CHANGES			

SIGNATURE

P.E. NUMBER

DATE

TOWNSHIP D
ROUTE 17

DRAINAGE SHEET

SHEET NUMBER

6

OF 74

Filename: ...\highway\msto\006_Drainage.dgn Division: HIGHWAY Username: norma.gilman Date:6/17/2010

GENERAL NOTES

1. PROJECT STATIONING WILL BE LAID OUT FIRST TIME ONLY BY MAINEDOT PERSONNEL ON THE EXISTING PAVEMENT. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ALL SURVEY NECESSARY FOR CONSTRUCTION. THE CONTRACTOR SHALL CAREFULLY SIDE STAKE THE CENTERLINE AT A MINIMUM OF EVERY 50 FOOT STATION. STATIONING SHALL BE VISIBLE FROM THE ROADWAY AND MAINTAINED AS NECESSARY.

2. STATIONS REFERENCED ARE APPROXIMATE.

3. THE CONTRACTOR SHALL MAINTAIN A SAFE PASSAGE FOR USERS OF THE APPALACHIAN TRAIL WITHIN THE CONSTRUCTION LIMITS OF THIS PROJECT. THIS SHALL BE ADDRESSED IN THE CONTRACTOR'S TRAFFIC CONTROL PLAN. AN APPALACHIAN TRAIL DETOUR WILL BE USED WHILE WORK IS BEING PERFORMED NEAR THE EXISTING TRAIL. THE MAINE APPALACHIAN TRAIL CLUB HAS MARKED THE PROPOSED DETOUR. THE CONTRACTOR SHALL PROVIDE AND MAINTAIN ACCESS TO THIS DETOUR WITHIN THE CONSTRUCTION LIMITS. THE MAINE APPALACHIAN TRAIL CLUB WILL CONSTRUCT AND MAINTAIN THE TRAIL DETOUR OUTSIDE OF THE CONSTRUCTION AREA. THE APPALACHIAN TRAIL SHALL BE REOPENED IN AN EXPEDIENT MANNER. THE CONTRACTOR SHALL COORDINATE THEIR WORK NEAR THE APPALACHIAN TRAIL, FROM STATION 36+25 TO STATION 37+25 +/-, WITH THE MAINE APPALACHIAN TRAIL CLUB. THE CONTRACTOR SHALL CONTACT THOMAS GORRILL AT 415-5901 A MINIMUM OF SEVEN CALENDAR DAYS PRIOR TO WORK IN THIS AREA. ALL WORK NECESSARY TO PROVIDE AND MAINTAIN SAFE ACCESS TO THE EXISTING TRAIL OR DETOUR TRAIL WILL BE CONSIDERED INCIDENTAL TO THE CONTRACT. PRIOR TO THE OPENING OF THE DETOUR ROUTE, THE CONTRACTOR SHALL CUT THE BACKSLOPE AT THE DETOUR CROSSING TO CREATE ADEQUATE SIGHT DISTANCE FOR THE HIKERS. EXCAVATION OF THE BACKSLOPE SHALL BE PAID FOR UNDER THE APRROPRIATE CONTRACT ITEMS.

4. ALL MATERIAL SCHEDULES SHOWN ON THE PLANS ARE FOR GENERAL INFORMATION ONLY. THE CONTRACTOR SHALL PREPARE HIS/HER OWN MATERIAL SCHEDULE BASED UPON HIS/HER PLAN REVIEW. ALL SCHEDULES SHALL BE VERIFIED IN THE FIELD BY THE CONTRACTOR PRIOR TO ORDERING MATERIALS OR PERFORMING WORK.

5. NO SEPARATE PAYMENT FOR SUPERINTENDENT OR FOREMAN WILL BE MADE.

6. REMOVAL AND RESETTING OF SIGNS SHALL CONSIDERED INCIDENTAL TO THE CONTRACT.

7. THE CLEARING LINES SHOWN ON THE PLANS ARE FOR ESTIMATING PURPOSES ONLY. THE ACTUAL LINES FOR PAYMENT SHALL BE ESTABLISHED IN THE FIELD BY THE RESIDENT.

8. SPECIAL ATTENTION SHOULD BE CALLED TO STATION 33+00 +/-. DUE TO THE CONDITION AND WIDTH OF THE EXISTING ROADWAY, IT MAY BE NECESSARY TO ADD FILL AND GRANULAR BORROW TO WIDEN THE ROADWAY AND SHIFT TRAFFIC DURING CONSTRUCTION IN THAT AREA. ALL EQUIPMENT AND MATERIAL NEEDED FOR THIS WIDENING WILL BE CONSIDERED INCIDENTAL TO THE CONTRACT. MAINTENANCE OF TRAFFIC IN THIS AREA SHALL BE ADDRESSED IN THE CONTRACTOR'S TRAFFIC CONTROL PLAN.

9. THE EXISTING PAVEMENT SHALL BE REMOVED WITH MINIMAL CONTAMINATION. THE EXISTING MATERIAL SHALL BE GRADED SMOOTH TO DRAIN AND COMPACTED PRIOR TO SHUTDOWN ON THE DAY THE MILLINGS ARE REMOVED. THIS GRADING AND COMPACTING WILL BE CONSIDERED INCIDENTAL TO ITEM 202.202.

10. 75% OF THE PAVEMENT MILLINGS SHALL BECOME THE PROPERTY OF THE STATE OF MAINE AND SHALL BE DELIVERED TO THE MAINEDOT MAINTENANCE LOT ON ROUTE 16 IN DALLAS. PAYMENT FOR DELIVERY AND STOCKPILING WILL BE CONSIDERED INCIDENTAL TO ITEM 202.202. THE REMAINING 25% OF THE PAVEMENT MILLINGS SHALL BECOME THE PROPERTY OF THE CONTRACTOR.

11. COBBLES AND BOULDERS LARGER THAN 6 INCHES ENCOUNTERED AT SUBGRADE SHALL BE REMOVED. HOLES BELOW SUBGRADE THAT RESULT FROM THEIR REMOVAL SHALL BE BACKFILLED WITH NATIVE SOIL AND COMPACTED. PAYMENT WILL BE CONSIDERED INCIDENTAL TO ITEM 203.20.

12. THE GRUBBING DEPTH HAS BEEN ESTIMATED AT 6 INHCES IN ALL AREAS.

13. ANY GRADING AND COMPACTING OF THE EXISTING BASE MATERIAL NECESSARY TO OBTAIN PROPER PROFILE AND X-SLOPE PRIOR TO PLACEMENT OF THE GRAVEL WILL BE CONSIDERED INCIDENTAL TO ITEM 203.20.

14. SUITABLE EXCAVATION SHALL BE REUSED ON THE PROJECT IN THE APPROPRIATE FILL AREAS. UNSUITABLE OR EXCESS EXCAVATION SHALL BE SEPARATED, REMOVED, AND DISPOSED OF IN A WASTE AREA. ALL WORK NECESSARY TO DISPOSE OF WASTE MATERIAL (INCLUDING GRADING, SEEDING AND MULCHING) WILL BE CONSIDERED INCIDENTAL TO THE CONTRACT.

15. EXCAVATED EXISTING SUBBASE AGGREGATE MAY NOT BE REUSED IN THE BASE AGGREGATE FOR NEW CONSTRUCTION ON THIS PROJECT. HOWEVER, IT MAY BE USED AS FILL BELOW SUBGRADE.

16. ANY BORROW AND/OR GRAVEL REQUIRED FOR MAINTENANCE OF TRAFFIC WILL NOT BE PAID FOR SEPARATELY, BUT WILL BE CONSIDERED INCIDENTAL TO THE CONTRACT.

17. COBBLES AND BOULDERS IN SIDESLOPES SHALL NOT PROJECT MORE THAN 6 INCHES BEYOND THE FINISHED SLOPE LINE. HOLES IN THE CUT SIDESLOPES THAT RESULT FROM THEIR REMOVAL SHALL BE BACKFILLED WITH NATIVE SOIL AND COMPACTED. PAYMENT WILL BE CONSIDERED INCIDENTAL TO ITEM 203.20.

18. THE ENTIRE EMBANKMENT, INCLUDING AREAS BEYOND THE 1.5H:1V LINE EXTENDING FROM THE FINISHED SHOULDER, SHALL BE COMPACTED. PAYMENT WILL BE CONSIDERED INCIDENTAL TO ITEM 203.20.

19. WHERE THE ROADWAY SUBGRADE WILL CONSIST OF ROCK, THE SUBGRADE WILL BE FRACTURE BLASTED TO A DEPTH OF 6 FEET BELOW SUBGRADE TO PROMOTE DRAINAGE. BLASTING WILL BE PAID FOR UNDER ITEM 203.213. ANY EXPLORATORY DRILLING NEEDED TO ESTABLISH THE BEDROCK SURFACE WILL BE PAID FOR UNDER ITEM 203.214. SEE SPECIAL PROVISION SECTION 203.

20. BEDROCK PROFILES SHOWN ON THE X-SECTIONS ARE FOR ESTIMATING PURPOSES ONLY AND WERE INTERPOLATED FROM WIDELY SPACED SUBSURFACE INVESTIGATIONS AND SEISMIC REFRACTION SURVEYS. THE ACTUAL BEDROCK SURFACE WILL VARY FROM THE BEDROCK PROFILES SHOWN. ACTUAL QUANTITIES WILL BE DETERMINED IN THE FIELD.

21. BLASTING IN THE AREA OF THE APPALACHIAN TRAIL AND TRAIL DETOUR SHALL BE ACCOMPLISHED IN SUCH A MANNER AS TO MINIMIZE THE INCONVENIENCE AND DANGER TO HIKERS. FLAGGERS SHALL BE PLACED ON THE TRAIL DURING BLASTING. ADDITIONAL WARNING SIGNS SHALL BE PLACED ON THE TRAIL NEAR THE CONSTRUCTION AREA AS WELL AS AT THE PARKING AREA FOR SADDLEBACK MOUNTAIN ON ROUTE 4 IN SANDY RIVER PLANTATION, THE TRAIL CROSSING ON SOUTH ARM ROAD AT BLACK BROOK NOTCH IN ANDOVER NORTH SURPLUS AND OTHER AREAS DESIGNATED BY TRAIL REPRESENTATIVES. THIS SHALL BE ADDRESSED IN THE CONTRACTOR'S TRAFFIC CONTROL PLAN.

22. THE FINAL GRADE OF THE LEDGE BACKSLOPE FROM STATION 36+25 TO STATION 37+25 +/- RIGHT SHALL BE LEFT IN A MANNER THAT POSES NO BARRIER TO TRAIL USERS. THIS AREA SHALL HAVE A STEPPED SURFACE WITH VERTICAL CHANGES NO GREATER THAN 18 INCHES. ACCESSIBILITY SHALL REPLICATE ITS CURRENT CONDITION. THE STEPPED SURFACE SHALL BE BLENDED INTO THE REGULAR BACKSLOPE CUTS ON EACH END OF THE ABOVE STATIONS.

23. THE FINISHED ROCK FACE IN THE AREA OF THE APPALACHIAN TRAIL, FROM STATION 35+00 TO STATION 38+50 +/- RIGHT, SHALL HAVE A NATURAL APPEARANCE. DRILL HOLES SHALL NOT BE VISIBLE. IF THE RESIDENT DETERMINES THAT ROCK SCALING IS NECESSARY IN THIS AREA, THE WORK WILL BE PAID FOR UNDER ITEM 203.215. SEE SPECIAL PROVISION SECTION 203.

24. DUE TO THE HEIGHT AND SLOPE OF THE EXISTING ROCK, SPECIAL PERIMETER CONTROL BLASTING MAY BE NECESSARY. IF REQUIRED BY THE RESIDENT, THIS WORK WILL BE PAID FOR UNDER ITEM 203.211. SEE SPECIAL PROVISION SECTION 203.

25. STABILIZATION GEOTEXTILE MAY BE USED FOR SUPPORT UNDER THE ROADWAY IF UNSTABLE SOILS ARE ENCOUNTERED. THE NEED FOR STABILIZATION GEOTEXTILE WILL BE DETERMINED BY THE RESIDENT. STABILIZATION GEOTEXTILE SHALL BE NON-WOVEN MATERIAL MEETING THE REQUIREMENTS OF STANDARD SPECIFICATION 722.

26. RIPRAP PLACED ON ANY SLOPE STEEPER THAN 2:1 SHALL CONSIST OF ANGULAR ROCK.

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

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

29. THE FOLLOWING WILL BE INCIDENTAL TO THE 603 ITEMS:
**REMOVING EXISTING CULVERTS
**ALL PIPE EXCAVATION INCLUDING ANY CUTTING AND REMOVING OF PAVEMENT
**FURNISHING, PLACING, GRADING, AND COMPACTING ANY NEW GRAVEL AND/OR FILL MATERIAL INCLUDING GRANULAR BORROW USED UNDER PIPES AND FOR TEMPORARY DETOURS TO MAINTAIN TRAFFIC DURING PIPE INSTALLATION (EXCAVATION IS ALSO INCIDENTAL)
**GRANULAR BORROW UNDER THE PIPE SHALL MEET THE REQUIREMENTS FOR UNDERWATER BACKFILL
**ALL DITCHING AT PIPE ENDS
**FLOW LINES MAY BE CHANGED BY 1.5 FT
**ANY NECESSARY CLEARING OF BRUSH AND NON-PAY TREES AT CULVERT ENDS

30. WHERE EXISTING EXCAVATION IN DRAINAGE TRENCHES IS DEEMED UNUSABLE, A SUITALE SIMILAR MATERIAL, ACCEPTABLE TO THE RESIDENT, WILL BE OBTAINED AND USED AS BACKFILL IN THE DRAINAGE TRENCHES TO THE TOP OF SUBGRADE. PAYMENT WILL BE INCIDENTAL TO THE 603 ITEMS.

31. THE CONTRACTOR SHALL ANTICIPATE THAT GROUNDWATER WILL BE ENCOUNTERED DURING CONSTRUCTION. ANY NECESSARY DEWATERING SHALL BE CONSIDERED INCIDENTAL TO THE CONTRACT.

32. EXCAVATIONS ACCOMPLISHED AS PART OF THIS PROJECT SHALL BE CONSTRUCTED IN ACCORDANCE WITH SUBPART P OF 29 CFR PART 1926.650-.652 (CONSTRUCTION STANDARD FOR EXCAVATIONS).

33. WHERE EXISTING PAVEMENT CARRIES TRAFFIC AND IS REMOVED TO INSTALL OR REMOVE DRAINAGE STRUCTURES, THE PAVEMENT SHALL BE REPLACED DAILY WITH A MINIMUM OF 3 INCHES OF RAP OR 12.5MM HMA. IF RAP IS USED, IT SHALL BE MAINTAINED DAILY, OR AS DIRECTED BY THE RESIDENT, AND SHALL BE REPLACED WITH HMA PRIOR TO THE WEEKEND. NO SEPARATE PAYMENT WILL BE MADE FOR FURNISHING, PLACING, MAINTAINING, OR REMOVING THIS RAP OR HMA AND ALL COSTS FOR SUCH WORK WILL BE CONSIDERED INCIDENTAL TO THE APPROPRIATE DRAINAGE ITEMS.

34. REQUIRED DITCH PROTECTION SHOWN ON THE PLANS IS FOR ESTIMATING PURPOSES ONLY. ACTUAL TYPE AND LOCATION FOR EROSION CONTROL BLANKET, STONE DITCH PROTECTION, AND RIPRAP SHALL BE DETERMINED IN THE FIELD BY THE RESIDENT.

35. EROSION CONTROL BLANKET SHALL BE PLACED IN ALL DITCHES EXCEPT IN AREAS OF EXISTING OR PROPOSED ROCK.

36. EROSION CONTROL GEOTEXTILE SHALL BE USED UNDER THE RIPRAP PADS AT CULVERT ENDS AND UNDER STONE DITCH PROTECTION. EROSION CONTROL GEOTEXTILE WILL NOT BE USED UNDER RIPRAP ON SLOPES.

37. ANY NECESSARY CLEANING OF THE PAVEMENT PRIOR TO PAVING WILL BE CONSIDERED INCIDENTAL TO THE RELATED PAVING ITEMS.

38. WHERE PAVEMENT UNDER THIS CONTRACT JOINS EXISTING PAVEMENT, THE EXISTING PAVEMENT SHALL BE SAW CUT ALONG A SMOOTH LINE TO A NEAT, EVEN, AND VERTICAL JOINT AS DIRECTED BY THE RESIDENT. BROKEN OR RAVELED EDGES WILL NOT BE PERMITTED. ALL WORK NECESSARY FOR THE PREPARATION OF THIS JOINT WILL BE CONSIDERED INCIDENTAL TO THE RELATED CONTRACT ITEMS.

39. DIRTY BORROW SHALL BE PLACED ON ALL INSLOPES AND GRADED TO MATCH THE SURFACE PAVEMENT ELEVATION.

40. METHOD #3 SEED SHALL BE USED FROM STATION 18+00 - 59+25 LEFT. METHOD #3 SEED SHALL ALSO BE USED FROM STATION 0+45 TO STATION 7+50 RIGHT & LEFT (VISTA). METHOD #2 SEED SHALL BE USED IN ALL OTHER AREAS.

41. 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.

42. ALL EXISTING GUARDRAIL ALONG THE PROJECT SHALL BE REMOVED. REMOVAL AND DISPOSAL OF THE EXISTING GUARDRAIL WILL BE CONSIDERED INCIDENTAL TO THE NEW GUARDRAIL ITEMS.

43. HOLES CREATED BY GUARDRAIL REMOVAL SHALL BE FILLED AND COMPACTED WITH APPROVED MATERIALS AS DIRECTED BY THE RESIDENT. PAYMENT WILL BE CONSIDERED INCIDENTAL TO THE NEW GUARDRAIL ITEMS.

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

45. MAINEDOT WILL FINAL STRIPE THE PROJECT. THE CONTRACTOR IS RESPONSIBLE FOR TRANSFERRING THE EXISTING STRIPING PATTERN TO THE SURFACE COURSE.

46. GEOTECHNICAL INFROMATION FURNISHED OR REFERRED TO IN THIS PLAN SET IS FOR THE BIDDER'S AND CONTRACTOR'S USE. NO ASSURANCE IS GIVEN THAT THE INFORMATION OR INTERPRETATIONS WILL BE REPRESENTATIVE OF ACTUAL SUBSURFACE CONDITIONS AT THE TIME OF CONSTRUCTION. THE DEPARTMENT SHALL NOT BE RESPONSIBLE FOR THE BIDDER'S OR CONTRACTOR'S INTERPRETATIONS OF OR CONCLUSIONS DRAWN FROM THE GEOTECHNICAL INFORMATION. THE BORING LOGS INCLUDED IN THE SOILS REPORT AND REFUSAL LOCATIONS SHOWN ON THE X-SECTIONS PRESENT FACTUAL AND INTERPRETIVE SUBSURFACE INFORMATION COLLECTED AT DISCRETE LOCATIONS. DATA PROVIDED MAY NOT BE REPRESENTATIVE OF THE SUBSURFACE CONDITIONS BETWEEN BORING LOCATIONS.

47. THE PROJECT GEOTECHNICAL REPORT, SUBSURFACE INVESTIGATION FOR RECONSTRUCTION OF ROUTE 17, TOWNSHIP D, MAINE, MAINEDOT SOILS REPORT NUMBER 2010-XX, MAY 20, 2010, MAY BE ACCESSED AT THE FOLLOWING WEB ADDRESS:
http://www.maine.gov/mdot/comprehensive-list-projects/project-information.php

48. REMOVAL OF NON-PAY TREES FROM STATION 0+50 TO STATION 7+50 (VISTA) WILL BE PAID FOR UNDER THE APPROPRIATE RENTAL ITEMS.

49. THE CONTRACTOR SHALL MAINTAIN A PARKING AREA FOR HIKERS AT ALL TIMES. THE CONTRACTOR SHALL NOT PARK EQUIPMENT OR STOCKPILE MATERIAL IN THE PARKING AREA DEDICATED TO HIKERS. THE CONTRACTOR SHALL BUILD AND MAINTAIN A 15 FOOT WIDE TEMPORARY PARKING AREA FROM STATION 36+00 TO 37+25 +/- LT TO BE USED BY HIKERS DURING THE CLOSURE OF THE EXISTING TURNOUT. ALL EQUIPMENT AND MATERIAL NECESSARY TO BUILD AND MAINTAIN THIS TEMPORARY PARKING AREA SHALL BE CONSIDERED INCIDENTAL TO THE CONTRACT.

NOT TO SCALE

STATE OF MAINE
DEPARTMENT OF TRANSPORTATION

SB-ME-98(007)

PIN 8670.10

HIGHWAY PLANS

		BY	DATE
PROJ. MANAGER	H. COWAN		
DESIGN-DETAILED	S. AMOROSO	M. SHIBLES	6/4/2010
CHECKED-REVIEWED			
DESIGN2-DETAILED2			
DESIGN3-DETAILED3			
REVISIONS 1			
REVISIONS 2			
REVISIONS 3			
REVISIONS 4			
FIELD CHANGES			

SIGNATURE

P.E. NUMBER

DATE

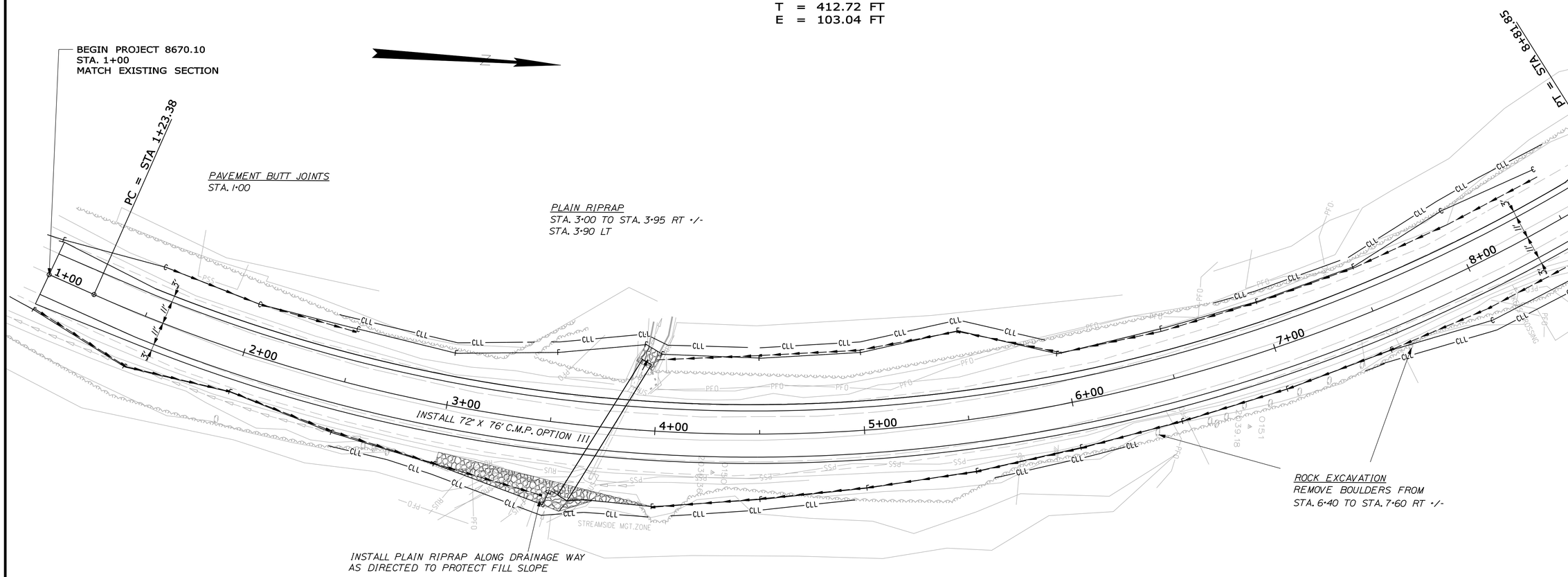
TOWNSHIP D
ROUTE 17

TYPICAL SECTIONS

Filename: ...\msta\007_GeneralNotes.dgn Division: HIGHWAY Username: norma.gilman Date:6/17/2010

CURVE DATA

PI = 5+36.09
D = 07° - 23' - 34.8"
Δ = 56° - 04' - 26.4" LT
R = 775.00 FT
L = 758.47 FT
T = 412.72 FT
E = 103.04 FT



STATE OF MAINE
DEPARTMENT OF TRANSPORTATION

SB-ME-98(007)

PIN
8670.10

HIGHWAY PLANS

		BY	DATE
PROJ. MANAGER	H. COWAN		
DESIGN-DETAILED	S. AMOROSO	M. SHIBLES	6/4/10
CHECKED-REVIEWED			
DESIGN2-DETAILED2			
DESIGN3-DETAILED3			
REVISIONS 1			
REVISIONS 2			
REVISIONS 3			
REVISIONS 4			
FIELD CHANGES			

SIGNATURE

P.E. NUMBER

DATE

TOWNSHIP D
ROUTE 17

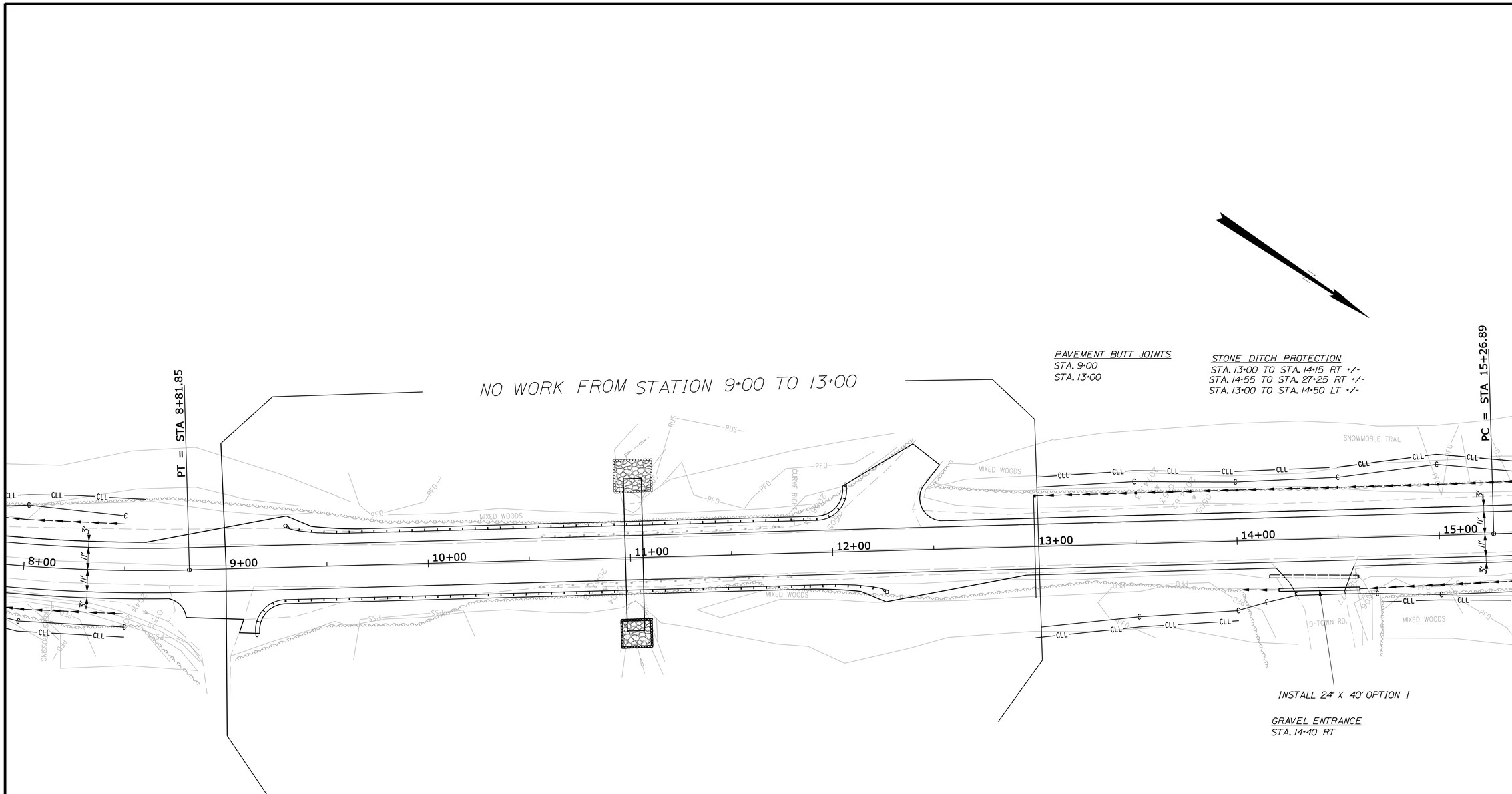
PLANS

SHEET NUMBER

8

OF 74

Filename: ...\highway\msla\008_HDPlan1.dgn Division: HIGHWAY Username: norma.gilman Date:6/17/2010



STATE OF MAINE
DEPARTMENT OF TRANSPORTATION

SB-ME-98(007)

PIN
8670.10

HIGHWAY PLANS

	BY	DATE
PROJ. MANAGER	H. COWAN	
DESIGN-DETAILED	S. AMOROSO	
CHECKED-REVIEWED		
DESIGN2-DETAILED2		
DESIGN3-DETAILED3		
REVISIONS 1	M. SHIBLES	6/4/10
REVISIONS 2		
REVISIONS 3		
REVISIONS 4		
FIELD CHANGES		

SIGNATURE

P.E. NUMBER

DATE

TOWNSHIP D
ROUTE 17

PLANS

SHEET NUMBER

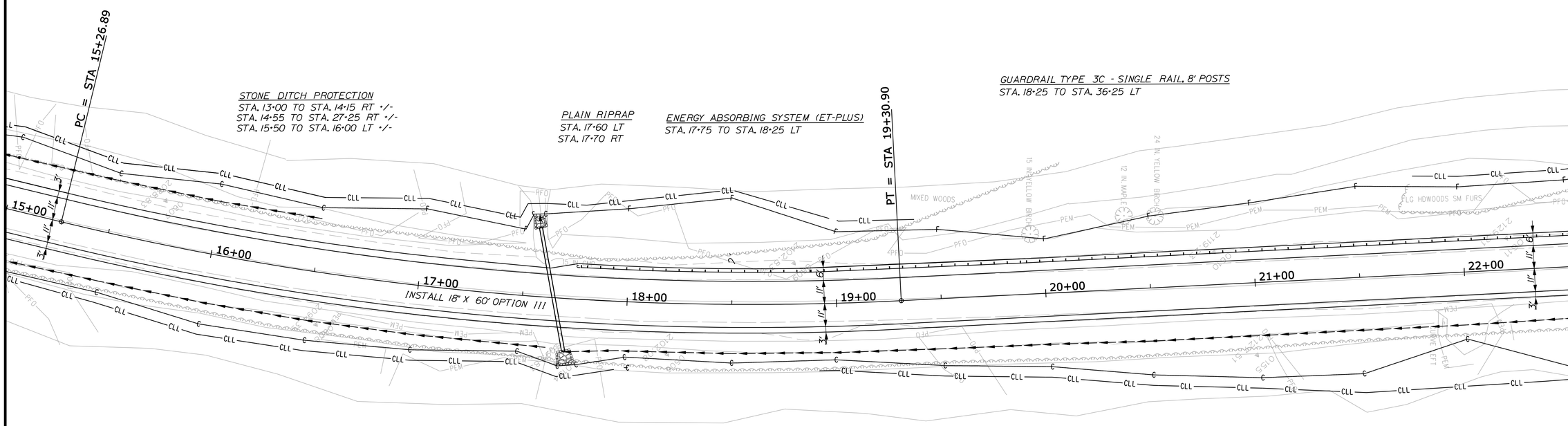
9

OF 74

Filename: ...\highway\msta\009_HDPlan2.dgn Division: HIGHWAY Username: norma.gilman Date:6/17/2010

CURVE DATA

PI = 17+30.31
D = 04° - 05' - 33.2"
Δ = 16° - 32' - 03.8" LT
R = 1400.00 FT
L = 404.01 FT
T = 203.42 FT
E = 14.70 FT



STATE OF MAINE
DEPARTMENT OF TRANSPORTATION

SB-ME-98(007)

PIN 8670.10

HIGHWAY PLANS

PROJ. MANAGER	H. COWAN	BY	M. SHIBLES	DATE	6/4/10
DESIGN-DETAILED	S. AMOROSO	BY	M. SHIBLES	DATE	6/4/10
CHECKED-REVIEWED		BY	ROSO	DATE	
DESIGN2-DETAILED2					
DESIGN3-DETAILED3					
REVISIONS 1					
REVISIONS 2					
REVISIONS 3					
REVISIONS 4					
FIELD CHANGES					

SIGNATURE

P.E. NUMBER

DATE

TOWNSHIP D
ROUTE 17

PLANS

SHEET NUMBER

10

OF 74

Filename: ...\highway\rnsto\010_HDPlan3.dgn Division: HIGHWAY Username: norma.gilman Date:6/17/2010

CURVE DATA

PI = 25+78.18
D = 06° - 21' - 58.3"
Δ = 19° - 27' - 29.9" LT
R = 900.00 FT
L = 305.65 FT
T = 154.31 FT
E = 13.13 FT

STONE DITCH PROTECTION
STA. 14+55 TO STA. 27+25 RT +/-

PLAIN RIPRAP
STA. 24+17 RT
STA. 26+00 TO 26+50 +/- RT BACKSLOPE

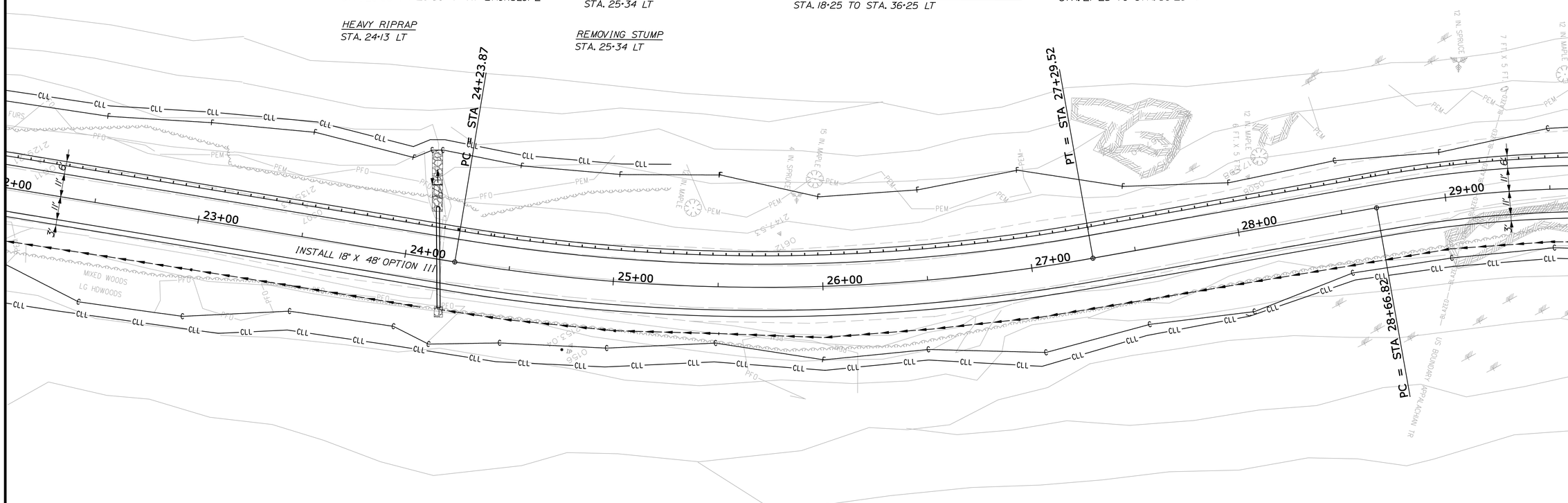
HEAVY RIPRAP
STA. 24+13 LT

REMOVING SINGLE TREE TOP ONLY
STA. 25+34 LT

REMOVING STUMP
STA. 25+34 LT

GUARDRAIL TYPE 3C - SINGLE RAIL, 8' POSTS
STA. 18+25 TO STA. 36+25 LT

FRACTURING EXISTING SUBGRADE LEDGE
STA. 27+25 TO STA. 56+25 +/-



STATE OF MAINE
DEPARTMENT OF TRANSPORTATION

SB-ME-98(007)

PIN
8670.10

HIGHWAY PLANS

PROJ. MANAGER	H. COWAN	BY	DATE
DESIGN-DETAILED	S. AMOROSO	M. SHIBLES	6/4/10
CHECKED-REVIEWED			
DESIGN2-DETAILED2			
DESIGN3-DETAILED3			
REVISIONS 1			
REVISIONS 2			
REVISIONS 3			
REVISIONS 4			
FIELD CHANGES			

SIGNATURE

P.E. NUMBER

DATE

TOWNSHIP D
ROUTE 17

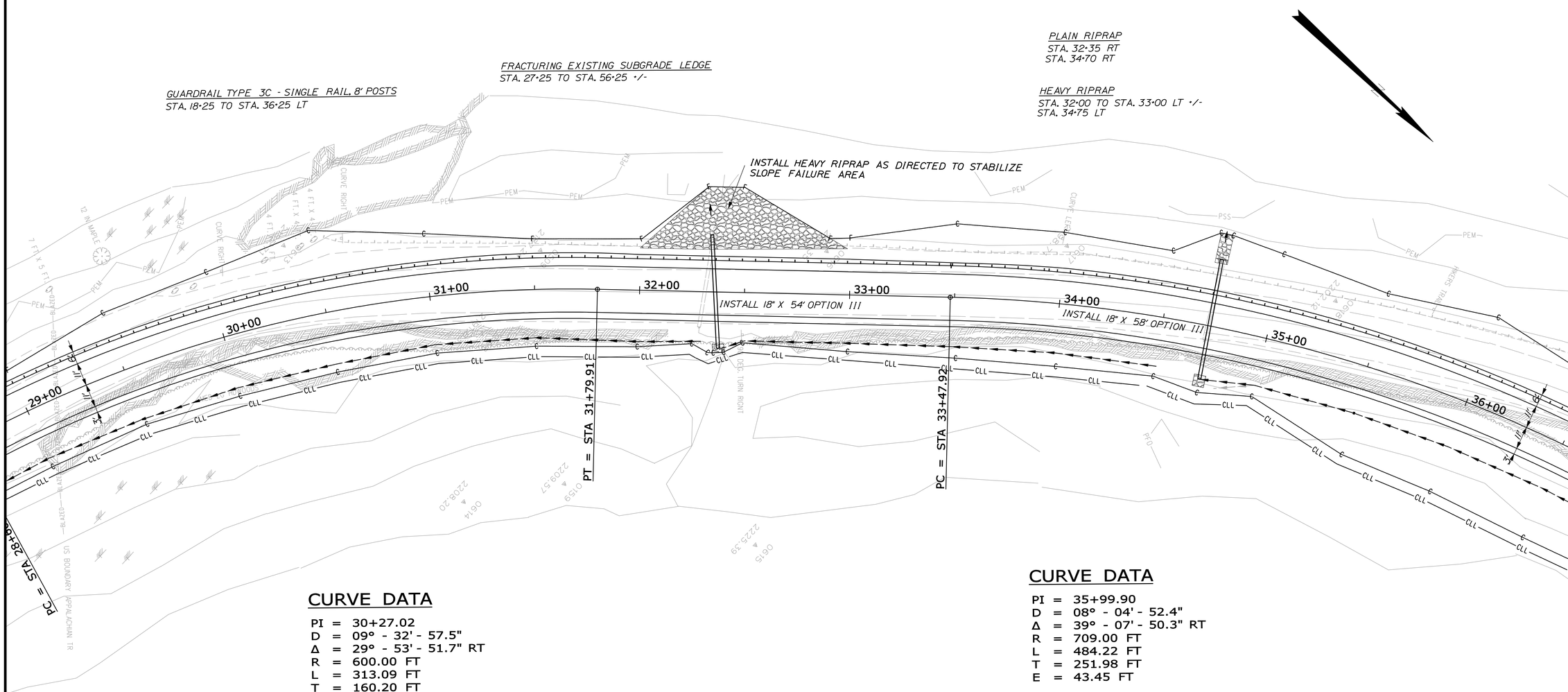
PLANS

SHEET NUMBER

11

OF 74

Filename: ...\highway\msta\011_HDPlan4.dgn Division: HIGHWAY Username: norma.gilman Date:6/17/2010



CURVE DATA

PI = 30+27.02
D = 09° - 32' - 57.5"
Δ = 29° - 53' - 51.7" RT
R = 600.00 FT
L = 313.09 FT
T = 160.20 FT
E = 21.02 FT

CURVE DATA

PI = 35+99.90
D = 08° - 04' - 52.4"
Δ = 39° - 07' - 50.3" RT
R = 709.00 FT
L = 484.22 FT
T = 251.98 FT
E = 43.45 FT

STATE OF MAINE
DEPARTMENT OF TRANSPORTATION

SB-ME-98(007)

PIN
8670.10

HIGHWAY PLANS

PROJ. MANAGER	H. COWAN	BY	DATE
DESIGN-DETAILED	S. AMOROSO	M. SHIBLES	6/4/10
CHECKED-REVIEWED			
DESIGN2-DETAILED2			
DESIGN3-DETAILED3			
REVISIONS 1			
REVISIONS 2			
REVISIONS 3			
REVISIONS 4			
FIELD CHANGES			

SIGNATURE

P.E. NUMBER

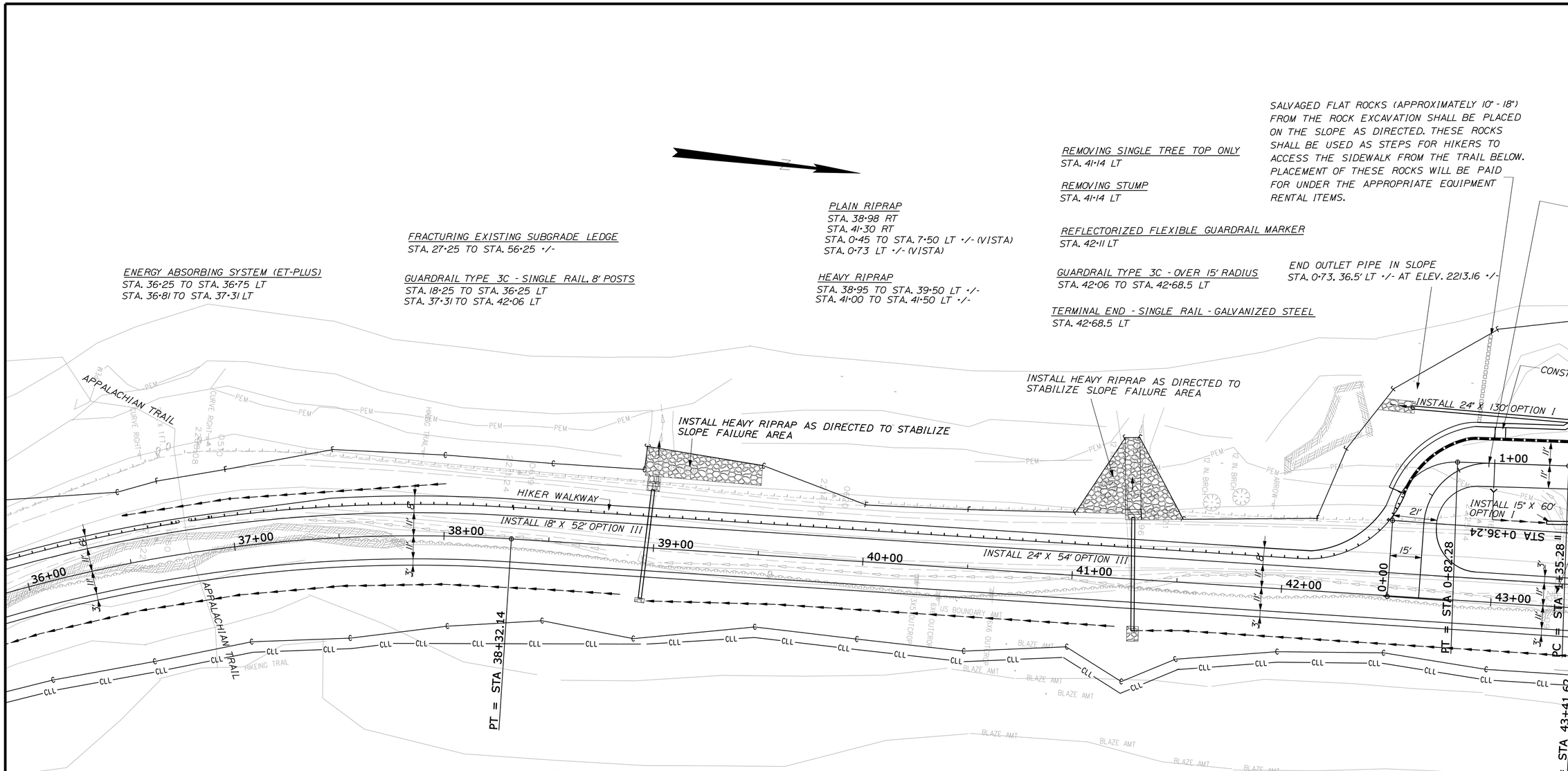
DATE

TOWNSHIP D
ROUTE 17

PLANS

SHEET NUMBER
12
OF 74

Filename: ...\highway\msta\012_HDPlan5.dgn Division: HIGHWAY Username: norma.gilman Date:6/17/2010



CURVE DATA

PI = 35+99.90
D = 08° - 04' - 52.4"
Δ = 39° - 07' - 50.3" RT
R = 709.00 FT
L = 484.22 FT
T = 251.98 FT
E = 43.45 FT

STATE OF MAINE
DEPARTMENT OF TRANSPORTATION

SB-ME-98(007)

PIN 8670.10

HIGHWAY PLANS

	BY	DATE
PROJ. MANAGER	H. COWAN	
DESIGN-DETAILED	S. AMOROSO	M. SHIBLES	6/4/10
CHECKED-REVIEWED		
DESIGN2-DETAILED2		
DESIGN3-DETAILED3		
REVISIONS 1		
REVISIONS 2		
REVISIONS 3		
REVISIONS 4		
FIELD CHANGES		

SIGNATURE

P.E. NUMBER

DATE

TOWNSHIP D
ROUTE 17

PLANS

SHEET NUMBER
13
OF 74

Filename: ...\highway\msto\013_HDPlan6.dgn Division: HIGHWAY Username: norma.gilman Date:6/17/2010

CURVE DATA

PI = 0+65.17
D = 190° - 59' - 09.6"
Δ = 87° - 55' - 14.5" RT
R = 30.00 FT
L = 46.04 FT
T = 28.93 FT
E = 11.68 FT

CURVE DATA

PI = 3+14.14
D = 03° - 49' - 11.0"
Δ = 13° - 35' - 57.9" RT
R = 1500.00 FT
L = 356.03 FT
T = 178.86 FT
E = 10.63 FT

CURVE DATA

PI = 7+51.33
D = 190° - 59' - 09.6"
Δ = 86° - 36' - 44.6" RT
R = 30.00 FT
L = 45.35 FT
T = 28.28 FT
E = 11.23 FT

PLAIN RIPRAP
STA. 0+45 TO STA. 7+50 LT +/- (VISTA)

VEGETATED RIPRAP (SEE SPECIAL PROVISION)
STA. 0+45 TO STA. 7+50 LT +/- (VISTA)

LANDSCAPE (SEE SPECIAL PROVISION)
STA. 0+45 TO STA. 7+50 LT & RT +/- (VISTA)

EROSION CONTROL MIX
STA. 0+45 TO STA. 7+50 LT +/- (VISTA)

STONE DITCH PROTECTION
STA. 5+50 TO STA. 7+00 RT +/- (VISTA)

FRACTURING EXISTING SUBGRADE LEDGE
STA. 27+25 TO STA. 56+25 +/-

TERMINAL END - SINGLE RAIL - GALVANIZED STEEL
STA. 6+40 LT (VISTA)

TIMBER GUARDRAIL
STA. 1+45 TO STA. 2+65 LT (VISTA)
STA. 4+05 TO STA. 6+45 LT (VISTA)

REMOVING SINGLE TREE TOP ONLY
STA. 5+35 LT (VISTA)
STA. 5+91 LT (VISTA)
STA. 6+80 LT (VISTA)
STA. 7+40 LT (VISTA)
STA. 49+68 LT

REMOVING STUMP
STA. 5+35 LT (VISTA)
STA. 5+91 LT (VISTA)
STA. 6+80 LT (VISTA)
STA. 7+40 LT (VISTA)
STA. 49+68 LT

REFLECTORIZED FLEXIBLE GUARDRAIL MARKER
STA. 6+40 LT (VISTA)

GUARDRAIL TYPE 3C - OVER 15' RADIUS
STA. 7+15 TO STA.7+90 LT +/- (VISTA)

GUARDRAIL TYPE 3C - SINGLE RAIL, 8' POSTS
STA. 6+40 TO STA. 7+15 LT (VISTA)
STA. 49+75 TO STA. 58+12.5 LT

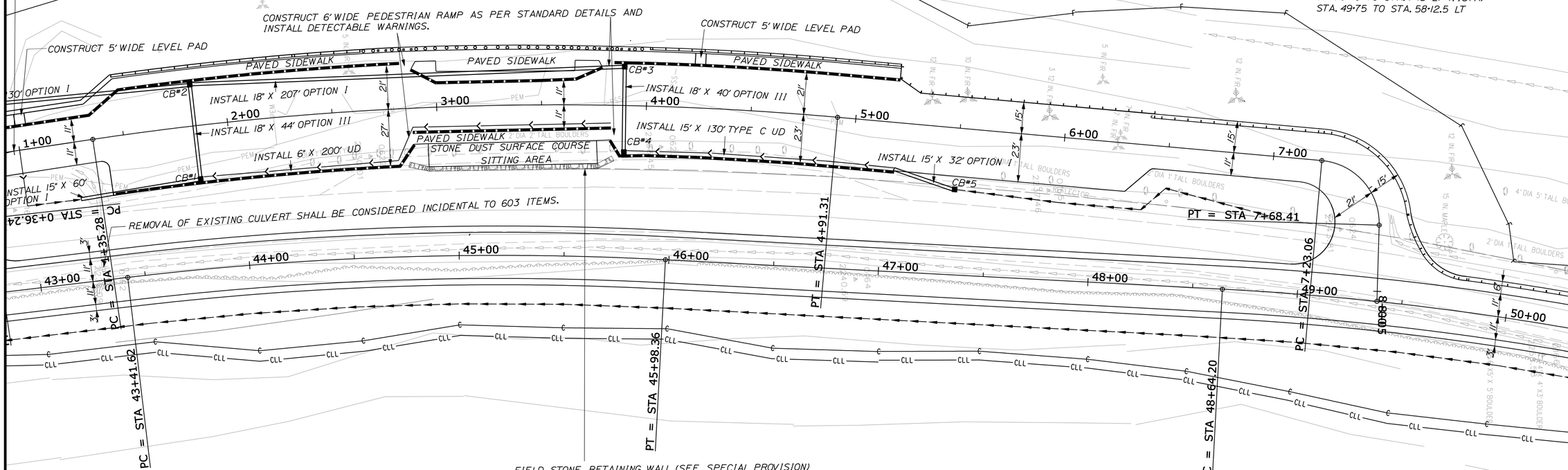
ALIGNMENT EQUATION.
0+82.28 BACK = 0+97.28 AHEAD

INSTALL RIPRAP AS DIRECTED FROM TOE OF SLOPE TO A POINT 10 FT FROM THE SHOULDER. PLACE EROISION CONTROL MIX TO TOP OF THE SLOPE.

ROUNDED BOULDERS FROM ROCK EXCAVTION SHALL BE PLACED BEHIND THE SIDEWALK IN AREAS WITHOUT TIMBER GUARDRAIL. PLACEMENT OF THESE ROCKS WILL BE PAID FOR UNDER THE APPROPRIATE EQUIPMENT RENTAL ITEMS.

INSTALL EIGHT GRANITE POSTS FOR INTERPRETIVE SIGNS BEHIND THE SIDEWALK ON LT. POSTS WILL BE SUPPLIED BY THE DEPARTMENT. PAYMENT FOR INTALLATION WILL BE MADE UNDER THE APPROPRIATE EQUIPMENT RENTAL ITEMS.

CONSTRUCT 6' WIDE PEDESTRIAN RAMP AS PER STANDARD DETAILS AND INSTALL DETECTABLE WARNINGS.



FIELD STONE RETAINING WALL (SEE SPECIAL PROVISION)
A FIELD STONE RETAINING WALL (APPROXIMATELY 2.5' W X 3.5' H X 100' L) SHALL BE CONSTRUCTED ALONG THE BACK EDGE OF THE SITTING AREA.

THREE LARGE ROCKS (APPROXIMATELY 7' X 4') SALVAGED FROM THE ROCK EXCAVATION SHALL BE PLACED AS DIRECTED IN THE SITTING AREA TO BE USED AS TABLES. PLACEMENT OF THESE ROCKS SHALL BE PAID FOR UNDER THE APPROPRIATE EQUIPMENT RENTAL ITEMS.

EXISTING BOULDERS IN THE VISTA AREA SHALL BE REMOVED. SOME OF THESE BOULDERS MAY BE SALVAGED AND PLACED BEHIND THE SIDEWALK ON THE LT. PAYMENT FOR REMOVAL OF THE BOULDERS WILL BE MADE UNDER THE APPROPRIATE EXCAVATION ITEM. PAYMENT FOR THE PLACEMENT OF ANY SALVAGED BOULDERS SHALL BE MADE UNDER THE APPROPRIATE EQUIPMENT RENTAL ITEMS.

STONE DUST SURFACE COURSE (SEE SPECIAL PROVISION)
STA. 2+95 TO STA. 3+75 RT (VISTA)

VERTICAL CURB TYPE I
STA. 0+49 TO STA. 2+75 LT (VISTA)
STA. 2+95 TO STA. 3+73 LT (VISTA)
STA. 3+93 TO STA. 5+15 LT (VISTA)
STA. 1+44 TO STA. 2+81 RT (VISTA)
STA. 2+95 TO STA. 3+76 RT (VISTA)
STA. 3+90 TO STA. 5+15 RT (VISTA)

TERMINAL CURB TYPE I - 4 FT
STA. 0+45 TO STA. 0+49 LT (VISTA)
STA.5+15 TO STA. 5+19 LT (VISTA)
STA. 1+40 TO STA. 1+44 RT (VISTA)
STA. 5+15 TO STA. 5+19 RT (VISTA)

TERMINAL CURB TYPE I - 7 FT
STA. 2+75 TO STA. 2+82 LT (VISTA)
STA. 2+88 TO STA. 2+95 LT (VISTA)
STA. 3+73 TO STA. 3+80 LT (VISTA)
STA. 3+86 TO STA. 3+93 LT (VISTA)
STA. 2+81 TO STA. 2+88 RT (VISTA)
STA. 2+88 TO STA. 2+95 RT (VISTA)
STA. 3+76 TO STA. 3+83 RT (VISTA)
STA.3+83 TO STA. 3+90 RT (VISTA)

CURVE DATA

PI = 44+70.31
D = 03° - 49' - 11.0"
Δ = 09° - 48' - 23.8" RT
R = 1500.00 FT
L = 256.74 FT
T = 128.68 FT
E = 5.51 FT

CURVE DATA

PI = 52+23.52
D = 04° - 05' - 33.2"
Δ = 28° - 47' - 20.0" RT
R = 1400.00 FT
L = 703.44 FT
T = 359.31 FT
E = 45.37 FT

STATE OF MAINE
DEPARTMENT OF TRANSPORTATION

SB-ME-98(007)

PIN
8670.10

HIGHWAY PLANS

PROJ. MANAGER	H. COWAN	BY	DATE
DESIGN-DETAILED	S. AMOROSO	M. SHIBLES	6/4/10
CHECKED-REVIEWED			
DESIGN2-DETAILED2			
DESIGN3-DETAILED3			
REVISIONS 1			
REVISIONS 2			
REVISIONS 3			
REVISIONS 4			
FIELD CHANGES			

SIGNATURE

P.E. NUMBER

DATE

TOWNSHIP D
ROUTE 17

PLANS

SHEET NUMBER
14
OF 74

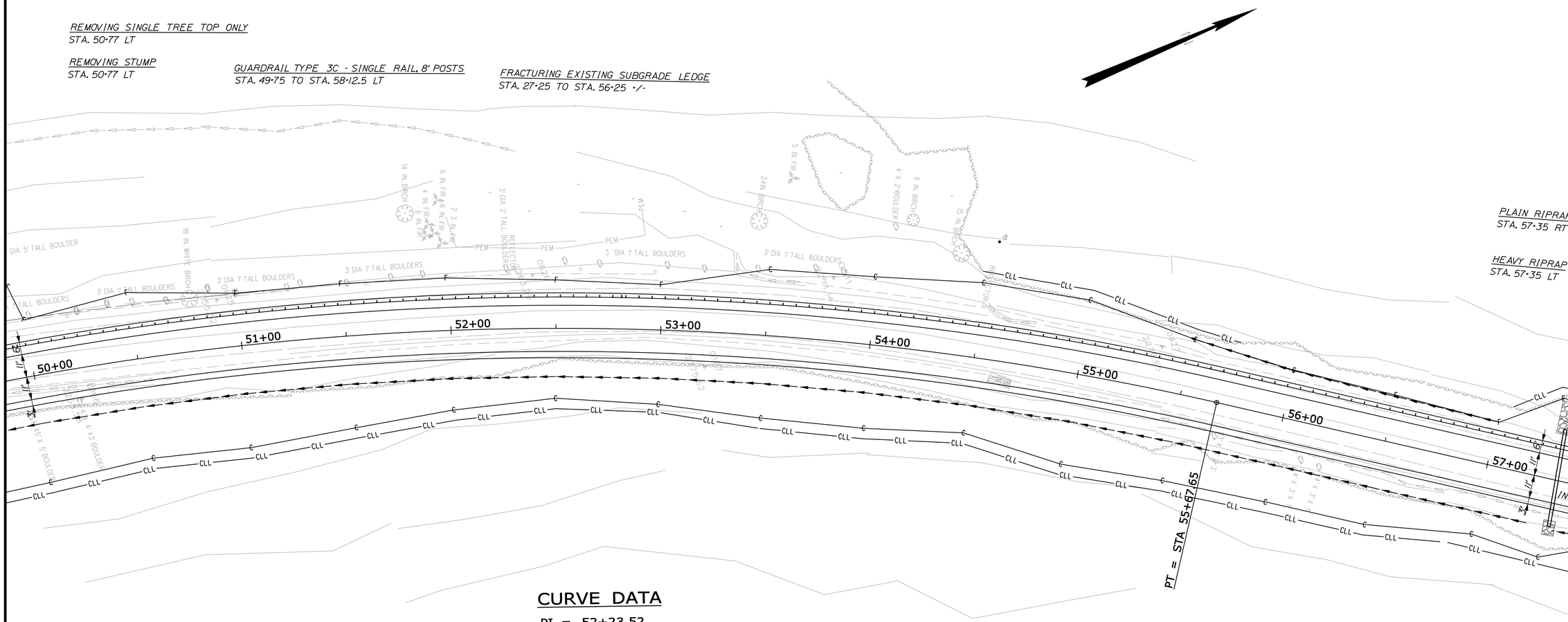
Filename: ...\highway\msto\014_HDPlan7.dgn Division: HIGHWAY Username: norma.gilman Date:6/17/2010

REMOVING SINGLE TREE TOP ONLY
STA. 50+77 LT

REMOVING STUMP
STA. 50+77 LT

GUARDRAIL TYPE 3C - SINGLE RAIL, 8' POSTS
STA. 49+75 TO STA. 58+12.5 LT

FRACTURING EXISTING SUBGRADE LEDGE
STA. 27+25 TO STA. 56+25 +/-



CURVE DATA

PI = 52+23.52
D = 04° - 05' - 33.2"
Δ = 28° - 47' - 20.0" RT
R = 1400.00 FT
L = 703.44 FT
T = 359.31 FT
E = 45.37 FT

STATE OF MAINE
DEPARTMENT OF TRANSPORTATION

SB-ME-98(007)

PIN
8670.10

HIGHWAY PLANS

		BY	DATE
PROJ. MANAGER	H. COWAN		
DESIGN-DETAILED	S. AMOROSO	M. SHIBLES	6/4/10
CHECKED-REVIEWED			
DESIGN2-DETAILED2			
DESIGN3-DETAILED3			
REVISIONS 1			
REVISIONS 2			
REVISIONS 3			
REVISIONS 4			
FIELD CHANGES			

SIGNATURE

P.E. NUMBER

DATE

TOWNSHIP D
ROUTE 17

PLANS

SHEET NUMBER
15
OF 74

Filename: ...\highway\msta\015_HDPlan8.dgn Division: HIGHWAY Username: norma.gilman Date:6/17/2010

CURVE DATA

PI = 60+45.93
D = 03° - 49' - 11.0"
Δ = 12° - 29' - 40.8" LT
R = 1500.00 FT
L = 327.11 FT
T = 164.21 FT
E = 8.96 FT

PLAIN RIPRAP
STA. 57+35 RT

HEAVY RIPRAP
STA. 57+35 LT

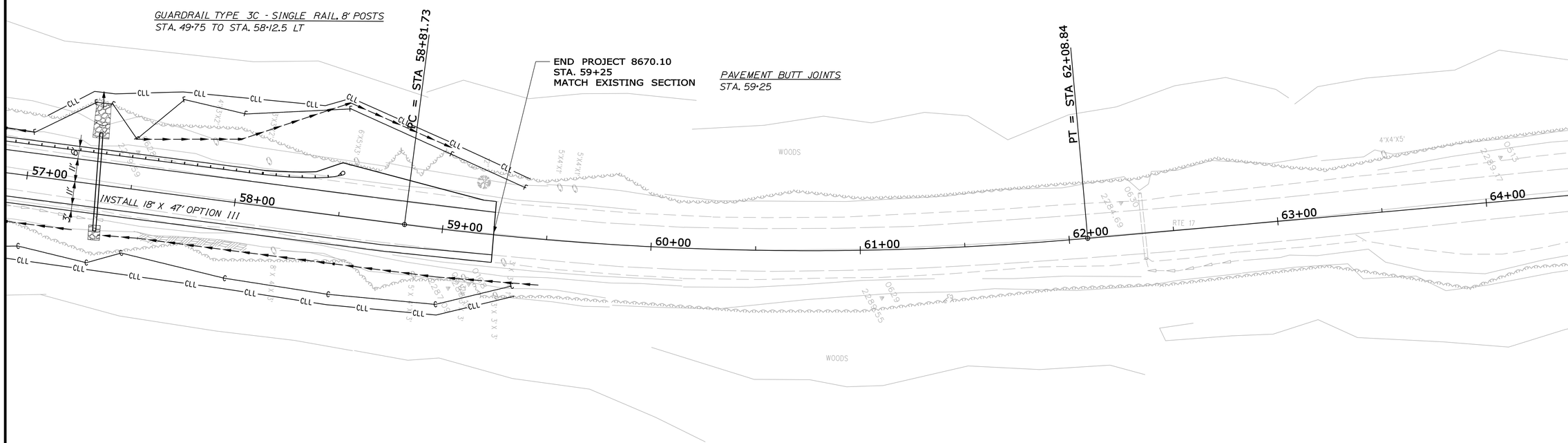
REFLECTORIZED FLEXIBLE GUARDRAIL MARKER
STA. 58+12 LT
STA. 58+50 LT

GUARDRAIL 350 FLARED TERMINAL
STA. 58+12.5 TO STA. 58+50 LT

GUARDRAIL TYPE 3C - SINGLE RAIL, 8' POSTS
STA. 49+75 TO STA. 58+12.5 LT

END PROJECT 8670.10
STA. 59+25
MATCH EXISTING SECTION

PAVEMENT BUTT JOINTS
STA. 59+25



STATE OF MAINE
DEPARTMENT OF TRANSPORTATION

SB-ME-98(007)

PIN
8670.10

HIGHWAY PLANS

PROJ. MANAGER	H. COWAN	BY	DATE
DESIGN-DETAILED	S. AMOROSO	M. SHIBLES	6/4/10
CHECKED-REVIEWED			
DESIGN2-DETAILED2			
DESIGN3-DETAILED3			
REVISIONS 1			
REVISIONS 2			
REVISIONS 3			
REVISIONS 4			
FIELD CHANGES			

SIGNATURE

P.E. NUMBER

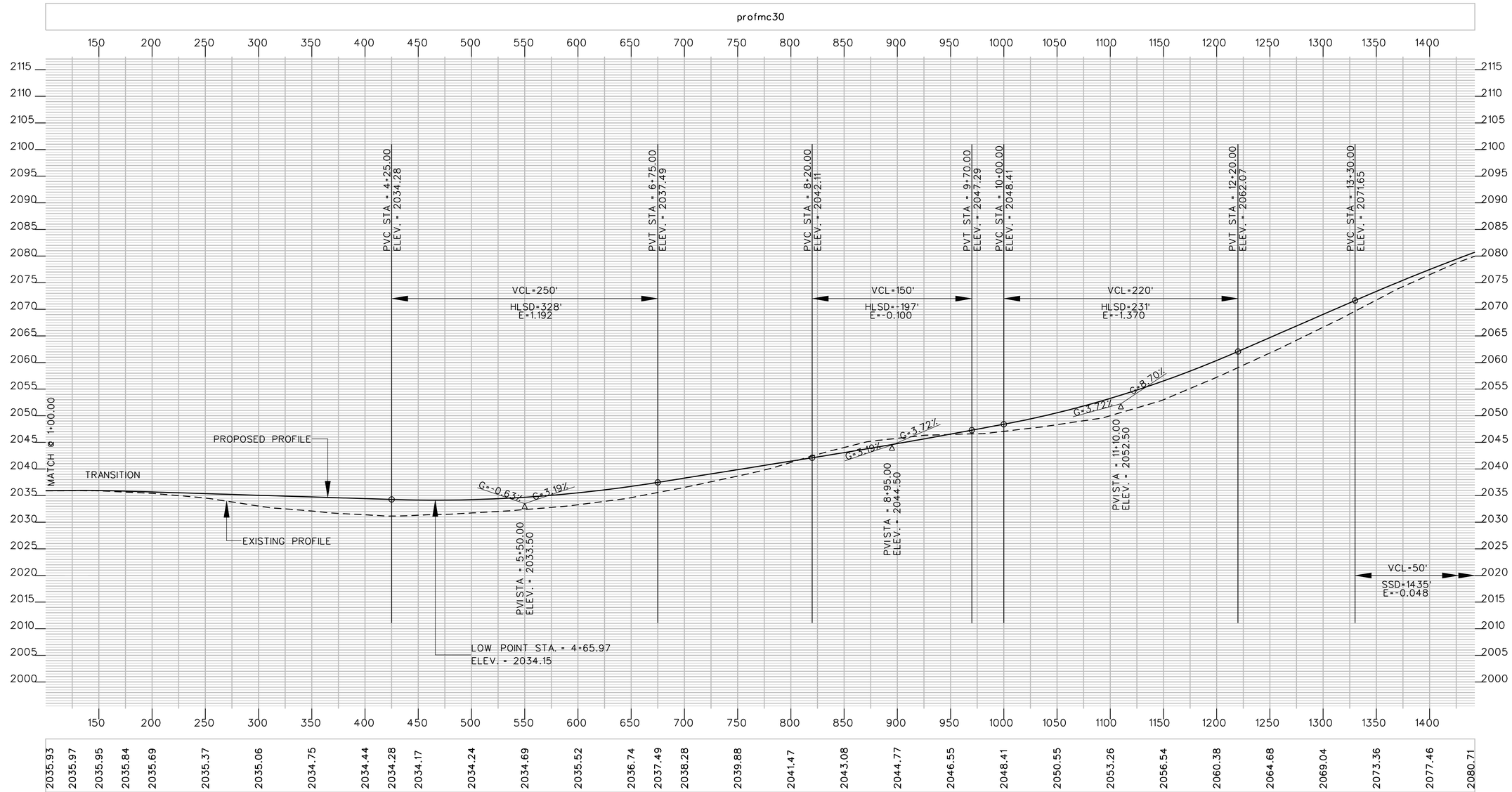
DATE

TOWNSHIP D
ROUTE 17

PLANS

SHEET NUMBER
16
OF 74

Filename: ...\highway\mslo\016_HDPlan9.dgn Division: HIGHWAY Username: norma.gilman Date:6/17/2010



STATE OF MAINE
DEPARTMENT OF TRANSPORTATION

SB-ME-98(007)

PIN
8670.10

HIGHWAY PLANS

PROJ. MANAGER	H. COWAN	BY	DATE
DESIGN-DETAILED	S. AMOROSO	M. SHIBLES	6/4/10
CHECKED-REVIEWED			
DESIGN2-DETAILED2			
DESIGN3-DETAILED3			
REVISIONS 1			
REVISIONS 2			
REVISIONS 3			
REVISIONS 4			
FIELD CHANGES			

SIGNATURE

P.E. NUMBER

DATE

TOWNSHIP D
ROUTE 17

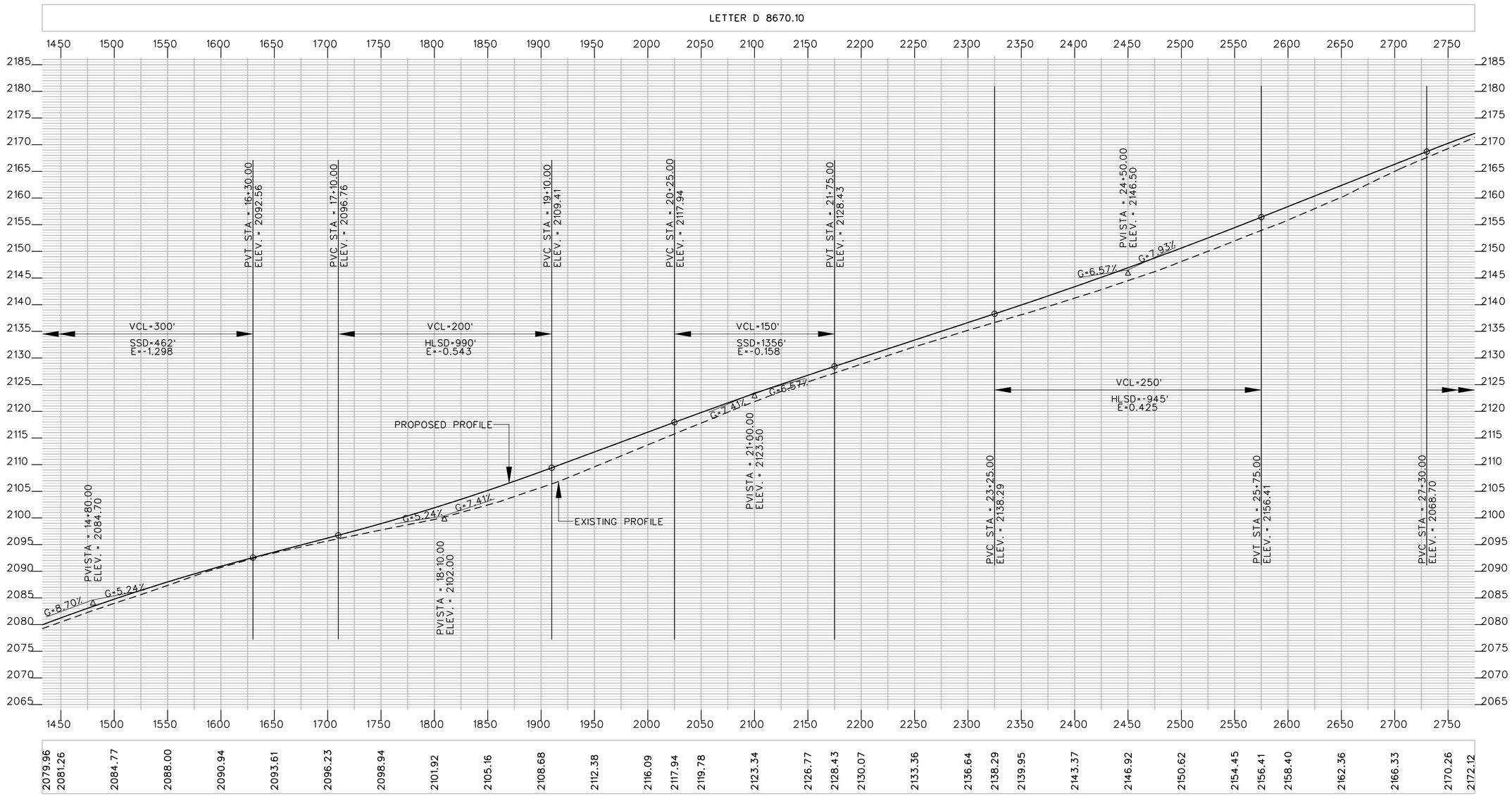
PROFILE

SHEET NUMBER

17

OF 74

Filename: ...\msta\017_PROF-DESIGN-MC30.dgn Division: HIGHWAY Username: norma.gilman Date:6/17/2010



STATE OF MAINE
DEPARTMENT OF TRANSPORTATION

SB-ME-98(007)

PIN
8670.10

HIGHWAY PLANS

PROJ. MANAGER	H. COWAN	BY	DATE
DESIGN-DETAILED	S. AMOROSO	M. SHIBLES	6/4/10
CHECKED-REVIEWED			
DESIGN2-DETAILED2			
DESIGN3-DETAILED3			
REVISIONS 1			
REVISIONS 2			
REVISIONS 3			
REVISIONS 4			
FIELD CHANGES			

SIGNATURE

P.E. NUMBER

DATE

TOWNSHIP D
ROUTE 17

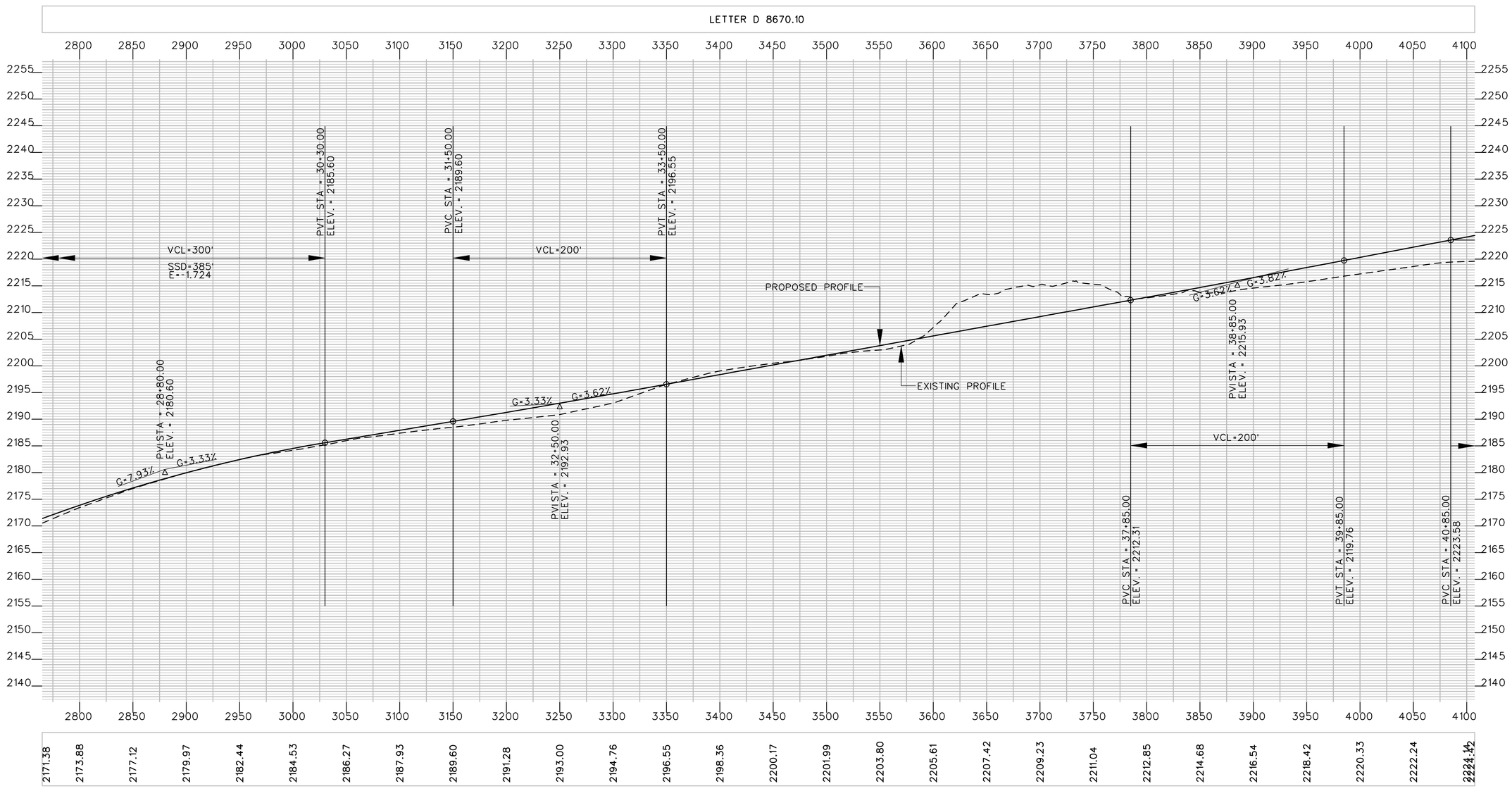
PROFILE

SHEET NUMBER

18

OF 74

Filename: ...\018_PROF-DESIGN-MC30_dr_002.dgn Division: HIGHWAY Username: norma.gilman Date:6/17/2010



STATE OF MAINE
DEPARTMENT OF TRANSPORTATION

SB-ME-98(007)

PIN
8670.10

HIGHWAY PLANS

PROJ. MANAGER	H. COWAN	BY	DATE
DESIGN-DETAILED	S. AMOROSO	M. SHIBLES	6/4/10
CHECKED-REVIEWED			
DESIGN2-DETAILED2			
DESIGN3-DETAILED3			
REVISIONS 1			
REVISIONS 2			
REVISIONS 3			
REVISIONS 4			
FIELD CHANGES			

SIGNATURE

P.E. NUMBER

DATE

TOWNSHIP D
ROUTE 17

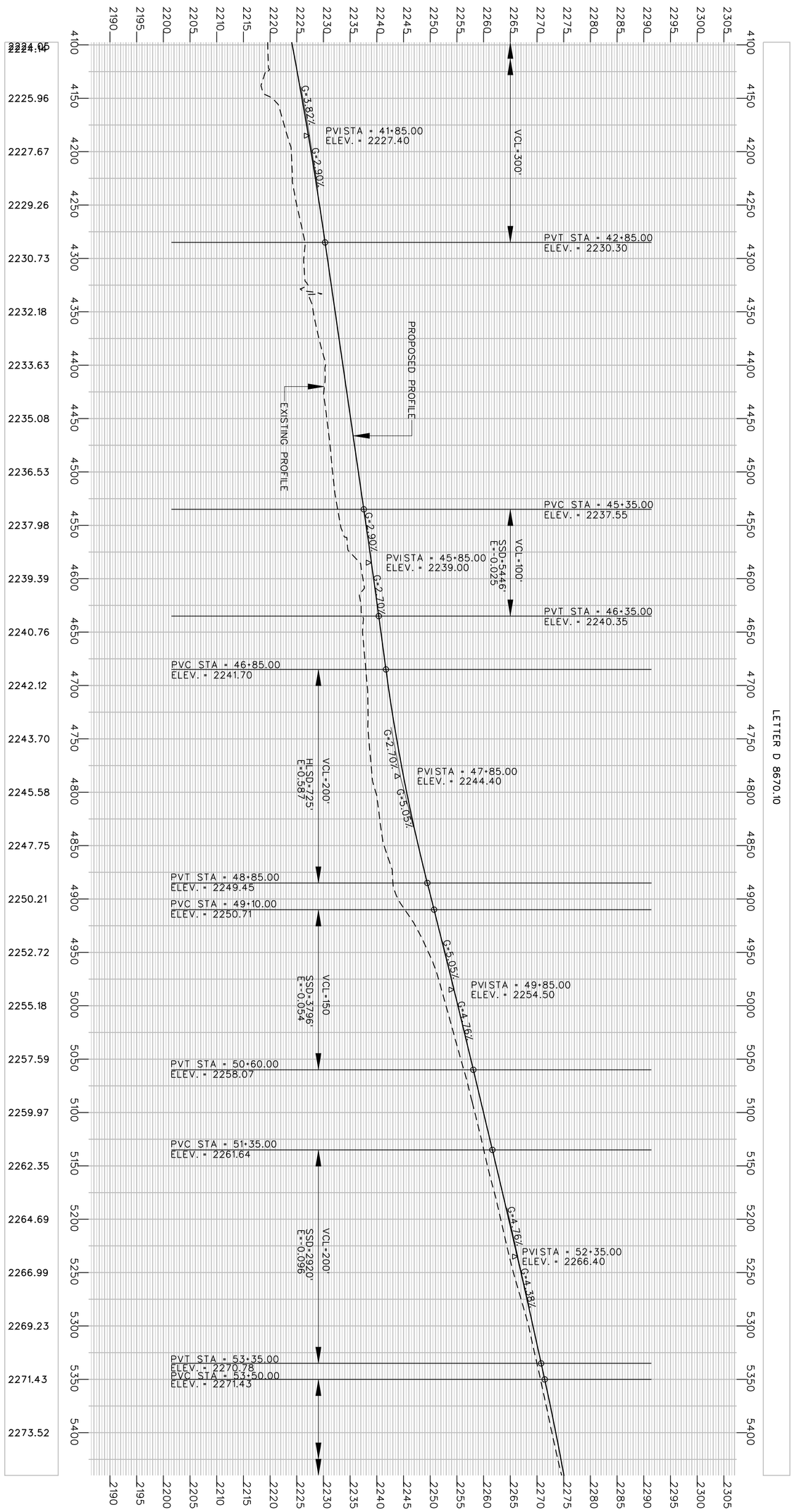
PROFILE

SHEET NUMBER

19

OF 74

Filename: ...\019_PROF-DESIGN-MC30_dr_003.dgn Division: HIGHWAY Username: norma.gilman Date:6/17/2010

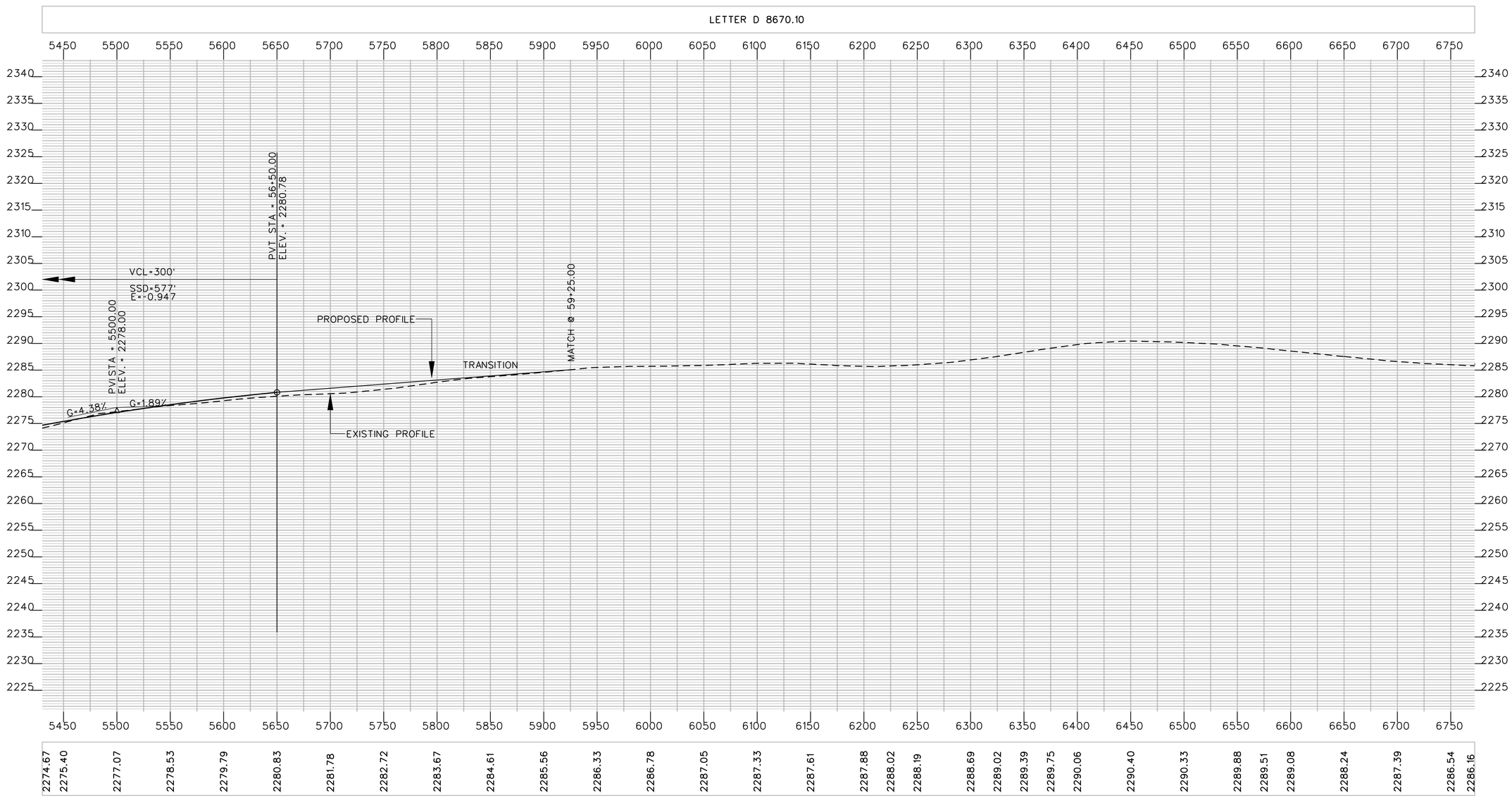


SHEET NUMBER 20 OF 74	TOWNSHIP D ROUTE 17	PROJ. MANAGER H. COWAN	BY	DATE
		DESIGN-DETAILED S. AMOROSO	M. SHIBLES	6/4/10
		CHECKED-REVIEWED		
		DESIGN2-DETAILED2		
		DESIGN3-DETAILED3		
		REVISIONS 1		
		REVISIONS 2		
		REVISIONS 3		
		REVISIONS 4		
		FIELD CHANGES		
	PROFILE	SIGNATURE P.E. NUMBER DATE		

STATE OF MAINE
DEPARTMENT OF TRANSPORTATION

SB-ME-98(007)

PIN 8670.10 HIGHWAY PLANS



STATE OF MAINE
DEPARTMENT OF TRANSPORTATION

SB-ME-98(007)

PIN
8670.10

HIGHWAY PLANS

PROJ. MANAGER	H. COWAN	BY	DATE
DESIGN-DETAILED	S. AMOROSO	M. SHIBLES	6/4/10
CHECKED-REVIEWED			
DESIGN2-DETAILED2			
DESIGN3-DETAILED3			
REVISIONS 1			
REVISIONS 2			
REVISIONS 3			
REVISIONS 4			
FIELD CHANGES			

SIGNATURE

P.E. NUMBER

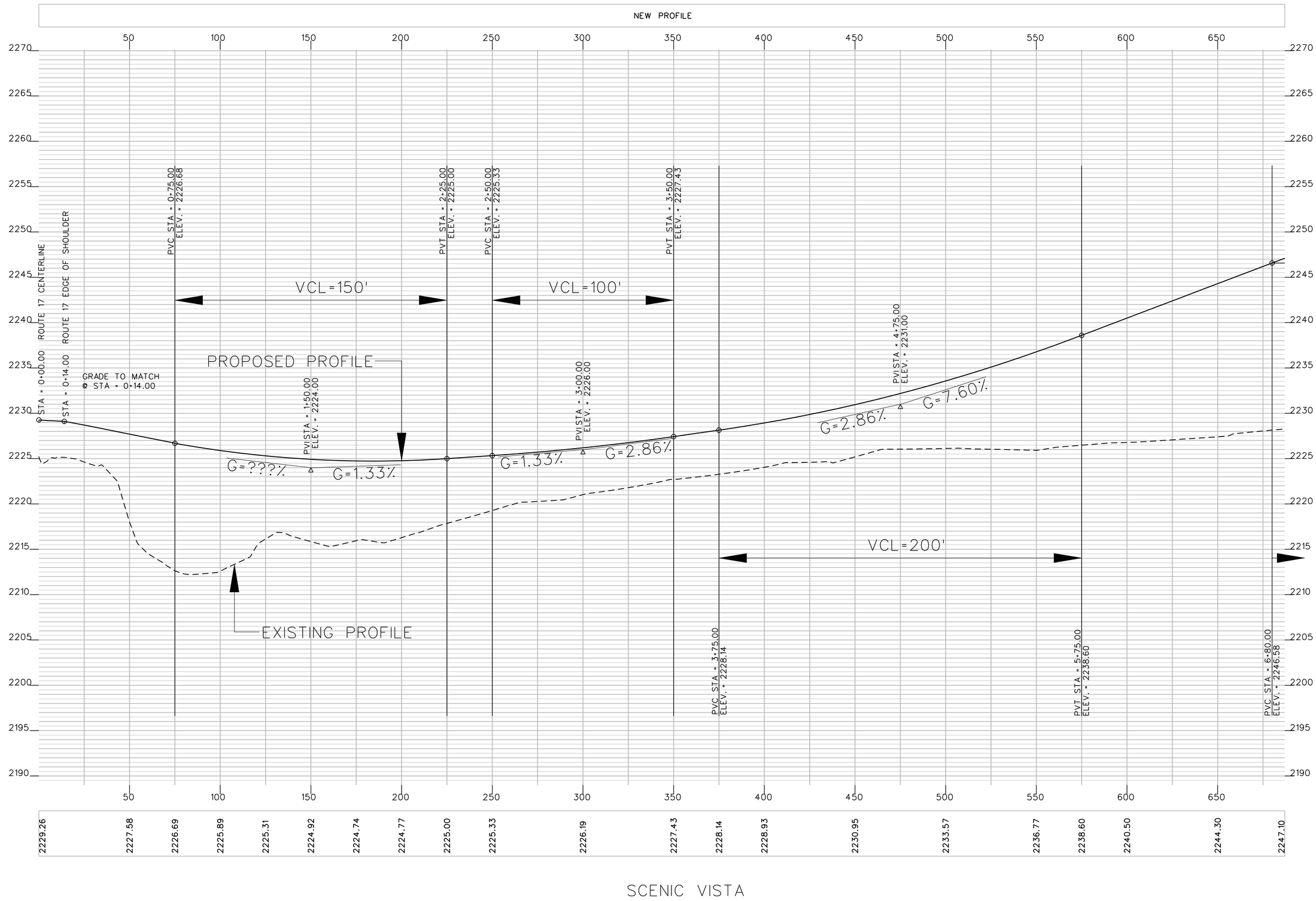
DATE

TOWNSHIP D
ROUTE 17

PROFILE

SHEET NUMBER
21
OF 74

Filename: ...\021_PROF-DESIGN-MC30_dr_005.dgn Division: HIGHWAY Username: norma.gilman Date:6/17/2010



SCENIC VISTA

STATE OF MAINE
DEPARTMENT OF TRANSPORTATION

SB-ME-98(007)

PIN 8670.10

HIGHWAY PLANS

		BY	DATE
PROJ. MANAGER	H. COWAN		
DESIGN-DETAILED	S. AMOROSO	M. SHIBLES	6/4/10
CHECKED-REVIEWED			
DESIGN2-DETAILED2			
DESIGN3-DETAILED3			
REVISIONS 1			
REVISIONS 2			
REVISIONS 3			
REVISIONS 4			
FIELD CHANGES			

SIGNATURE

P.E. NUMBER

DATE

TOWNSHIP D
ROUTE 17

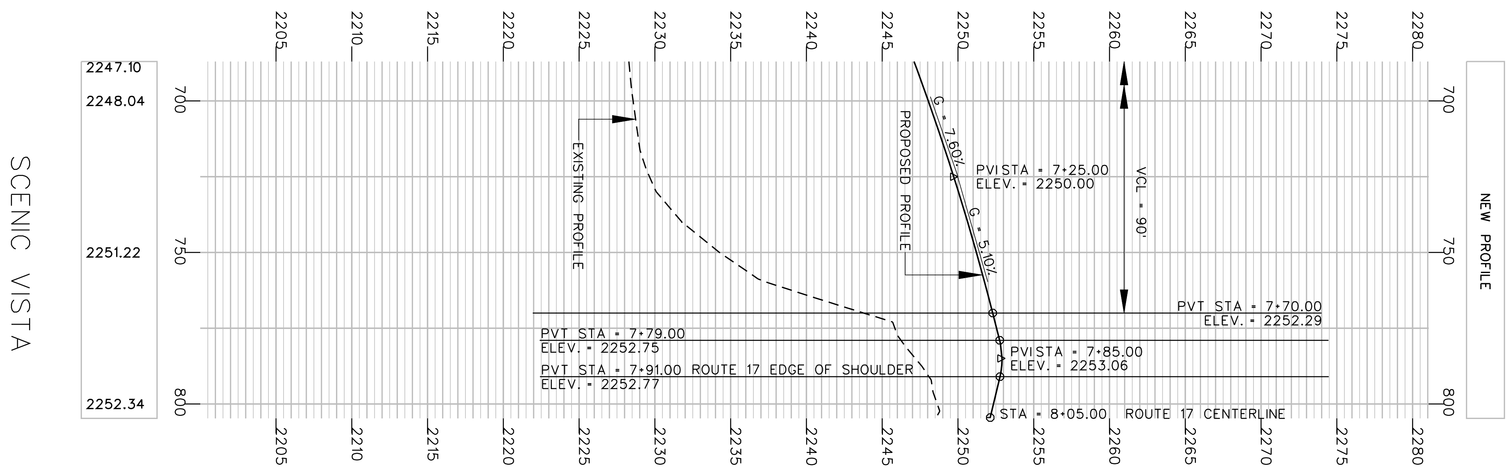
PROFILE

SHEET NUMBER

22

OF 74

Filename: ...\msta\022_PROF-DESIGN-MC40.dgn Division: HIGHWAY Username: norma.gilman Date:6/17/2010



SCENIC VISTA

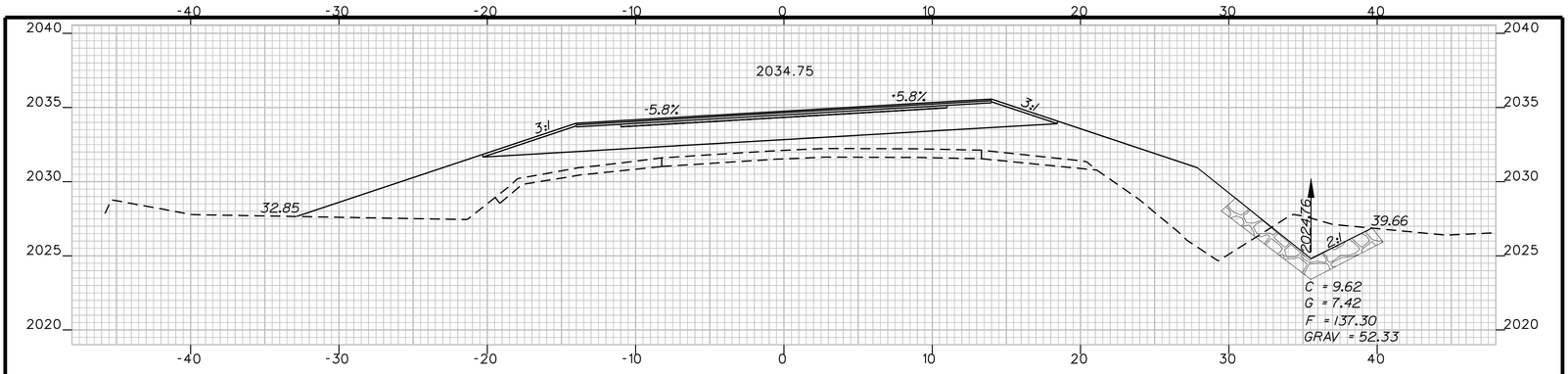
SHEET NUMBER 23 OF 74	TOWNSHIP D ROUTE 17	PROJ. MANAGER	H. COWAN	BY	DATE
		DESIGN-DETAILED	S. AMOROSO	M. SHIBLES	6/4/10
		CHECKED-REVIEWED			
		DESIGN2-DETAILED2			
		DESIGN3-DETAILED3			
		REVISIONS 1			
		REVISIONS 2			
		REVISIONS 3			
		REVISIONS 4			
		FIELD CHANGES			
	PROFILE	SIGNATURE			
		P.E. NUMBER			
		DATE			

STATE OF MAINE
DEPARTMENT OF TRANSPORTATION

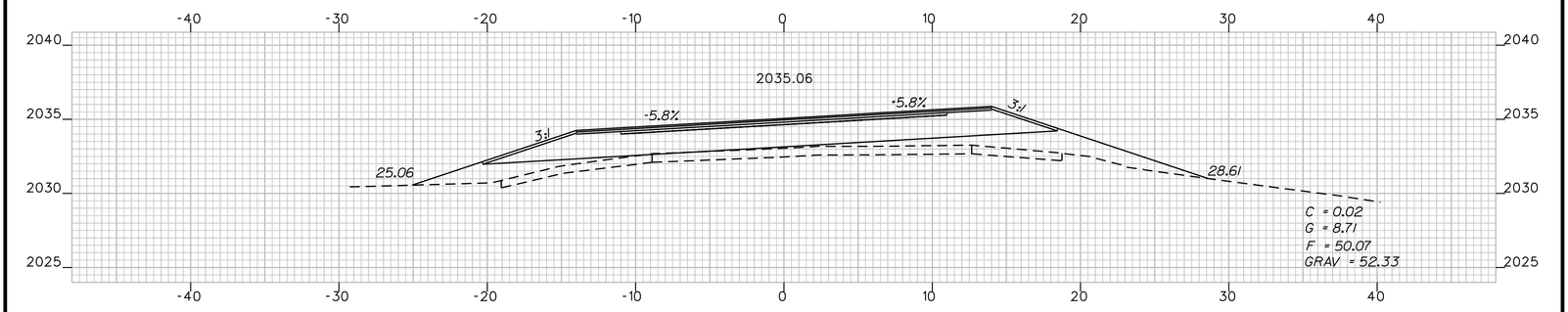
SB-ME-98(007)

PIN 8670.10

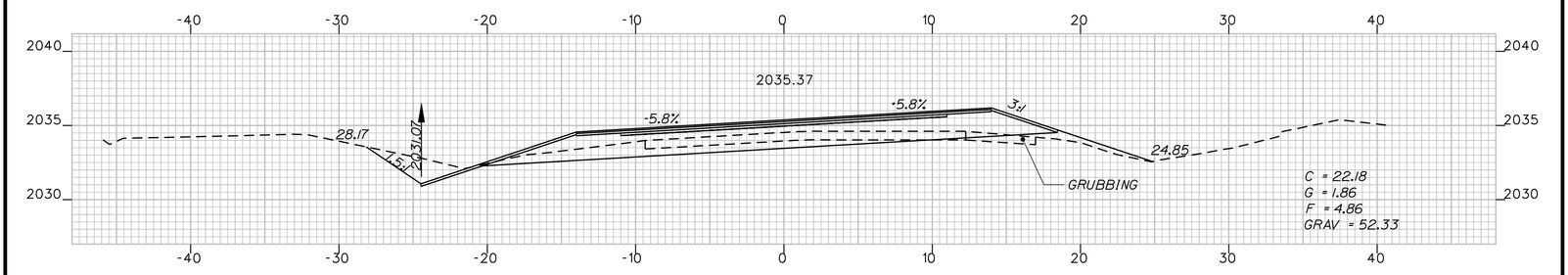
HIGHWAY PLANS



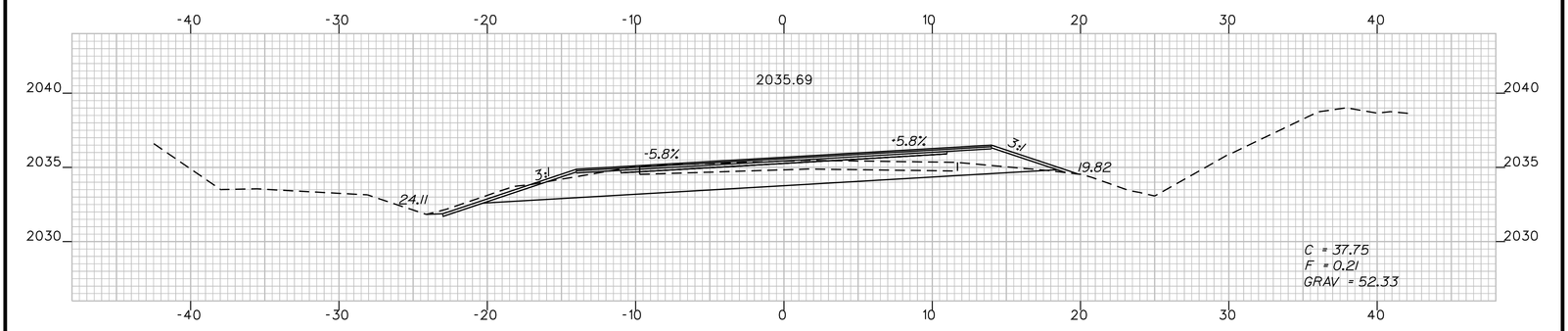
3+50.00



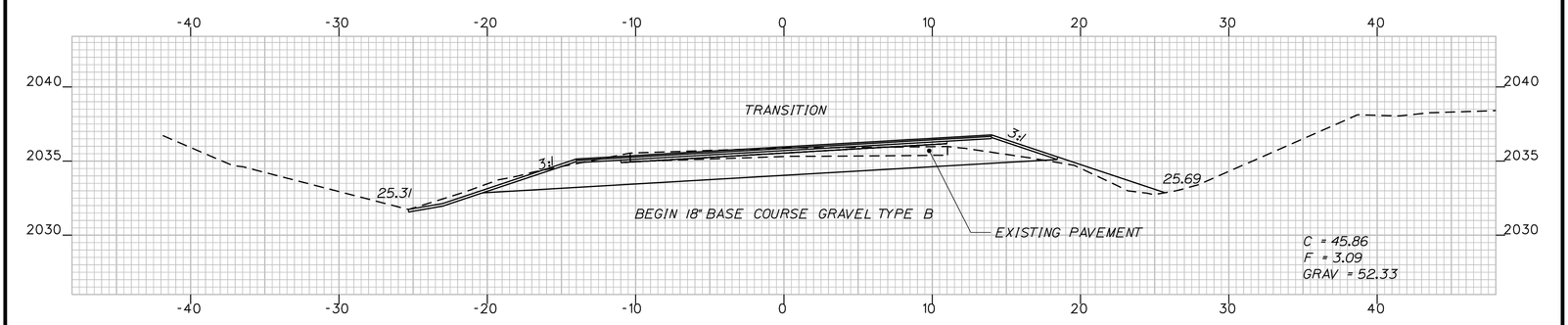
3+00.00



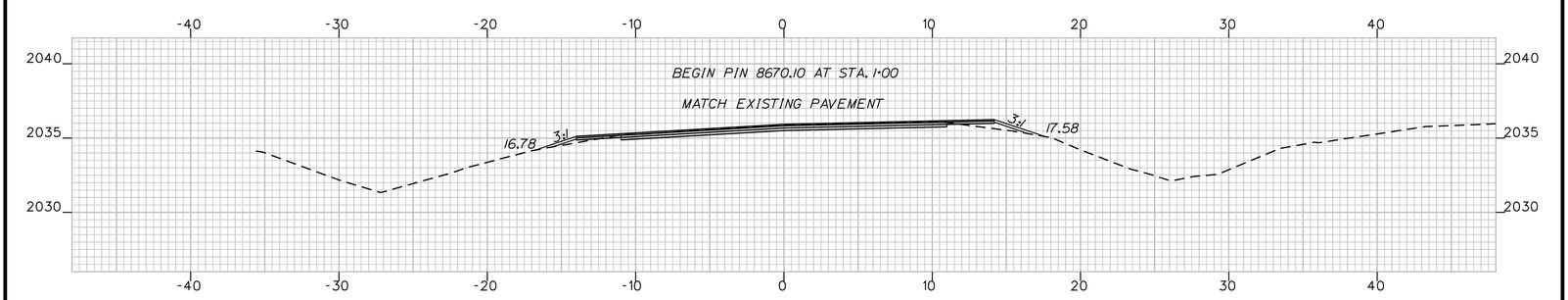
2+50.00



2+00.00



1+50.00



1+00.00

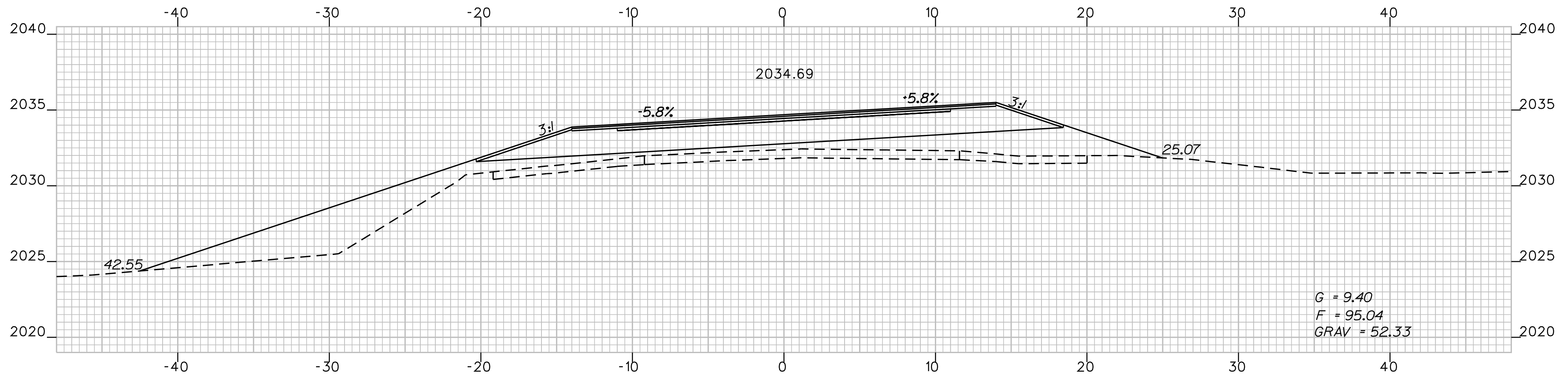
SHEET NUMBER 24 OF 74	TOWNSHIP D ROUTE 17	PROJ. MANAGER	H. COWAN	BY	DATE
		DESIGN-DETAILED	S. AMOROSO	M. SHIBLES	6/4/10
		CHECKED-REVIEWED			
		DESIGN2-DETAILED2			
		DESIGN3-DETAILED3			
		REVISIONS 1			
		REVISIONS 2			
		REVISIONS 3			
		REVISIONS 4			
		FIELD CHANGES			
	1+00 CROSS SECTIONS 3+50	SIGNATURE			
		P.E. NUMBER			
		DATE			

STATE OF MAINE
DEPARTMENT OF TRANSPORTATION

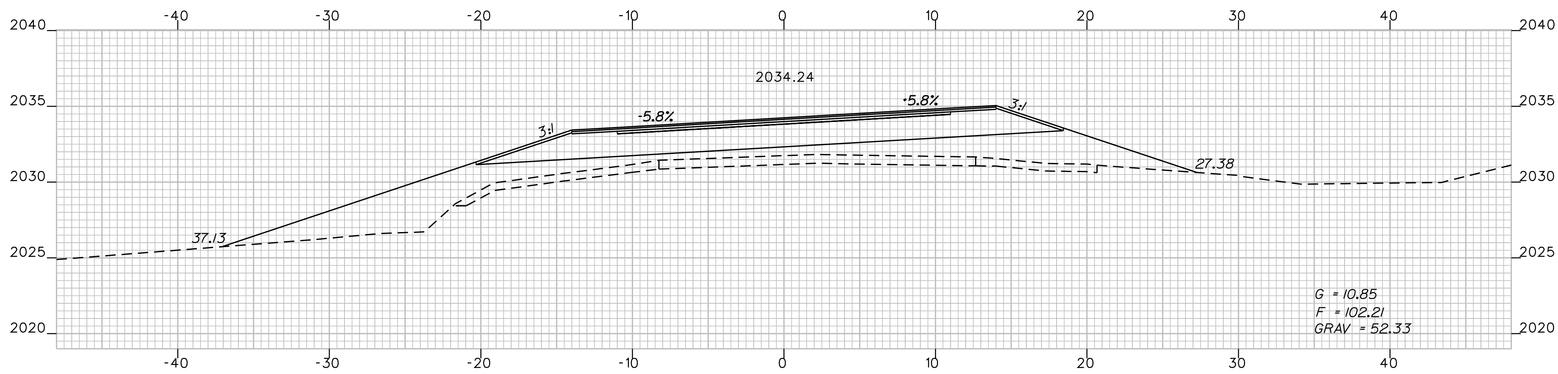
SB-ME-98(007)

PIN 8670.10

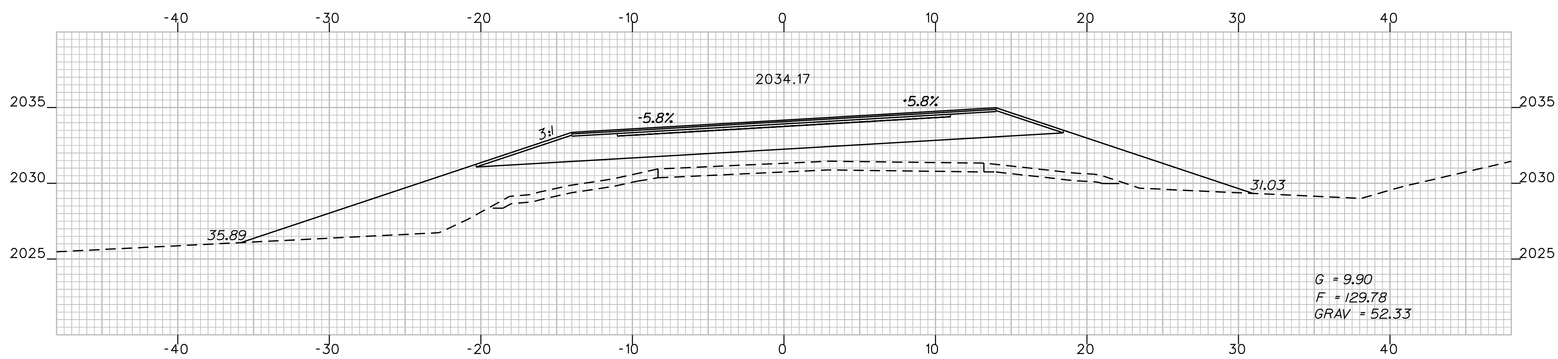
HIGHWAY PLANS



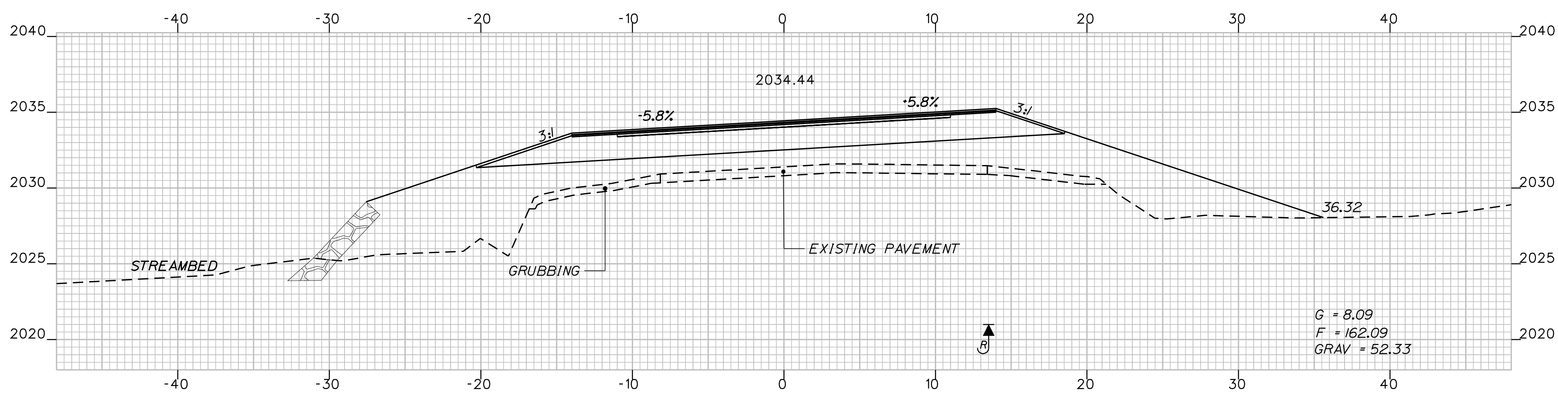
5+50.00



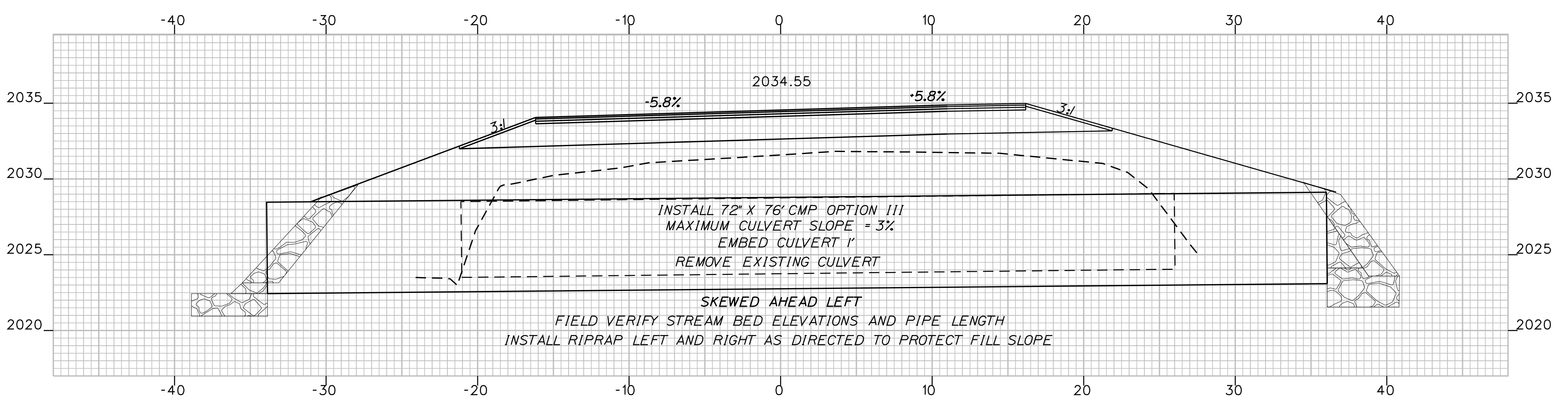
5+00.00



4+50.00



4+00.00



3+81.57

PROJ. MANAGER	H. COWAN	BY	DATE	
DESIGN-DETAILED	S. AMOROSO	M. SHIBLES	6/4/10	
CHECKED-REVIEWED				SIGNATURE
DESIGN2-DETAILED2				
DESIGN3-DETAILED3				P.E. NUMBER
REVISIONS 1				
REVISIONS 2				
REVISIONS 3				DATE
REVISIONS 4				
FIELD CHANGES				

TOWNSHIP D
ROUTE 17

3+82 CROSS SECTIONS 5+50

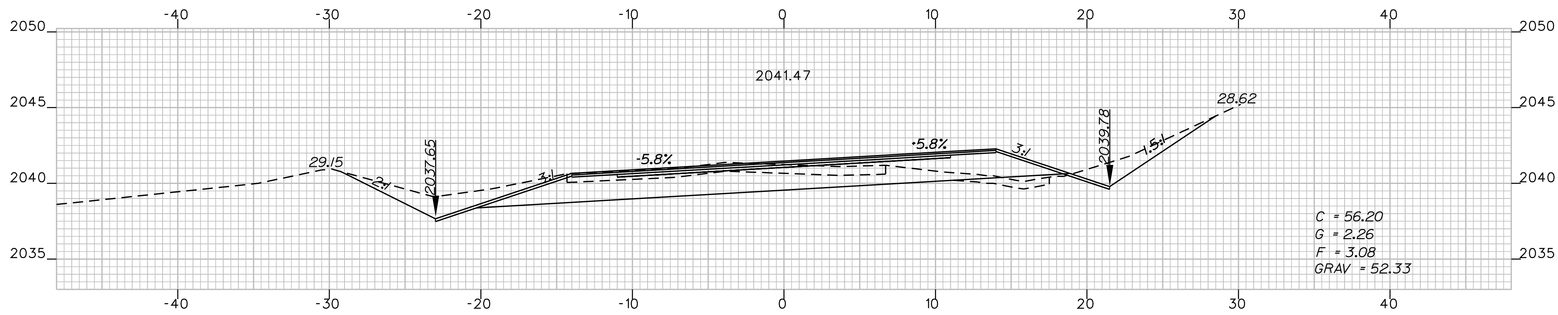
STATE OF MAINE
DEPARTMENT OF TRANSPORTATION

SB-ME-98(007)

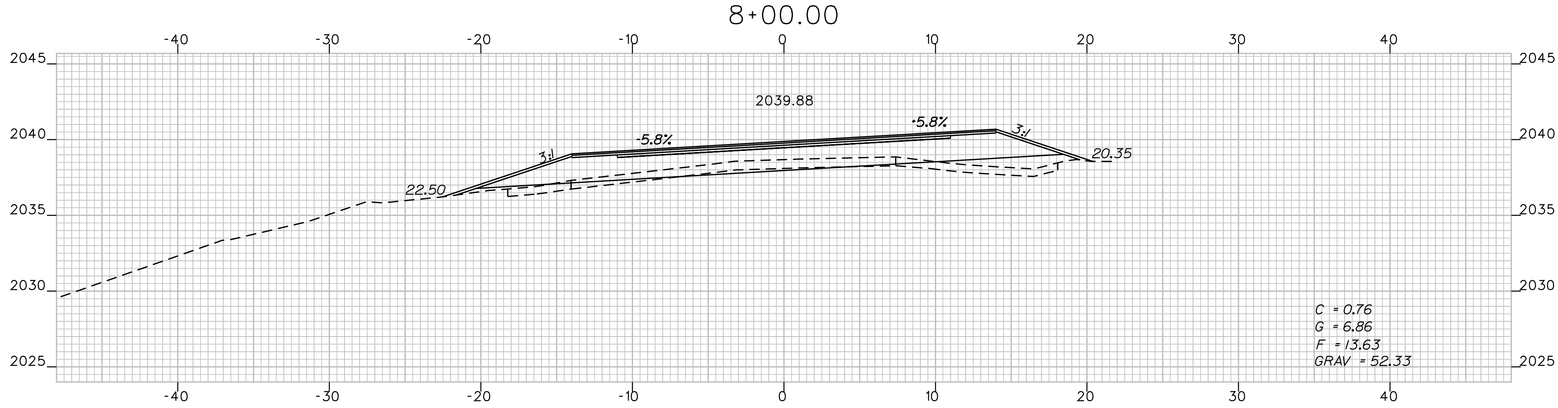
PIN 8670.10

HIGHWAY PLANS

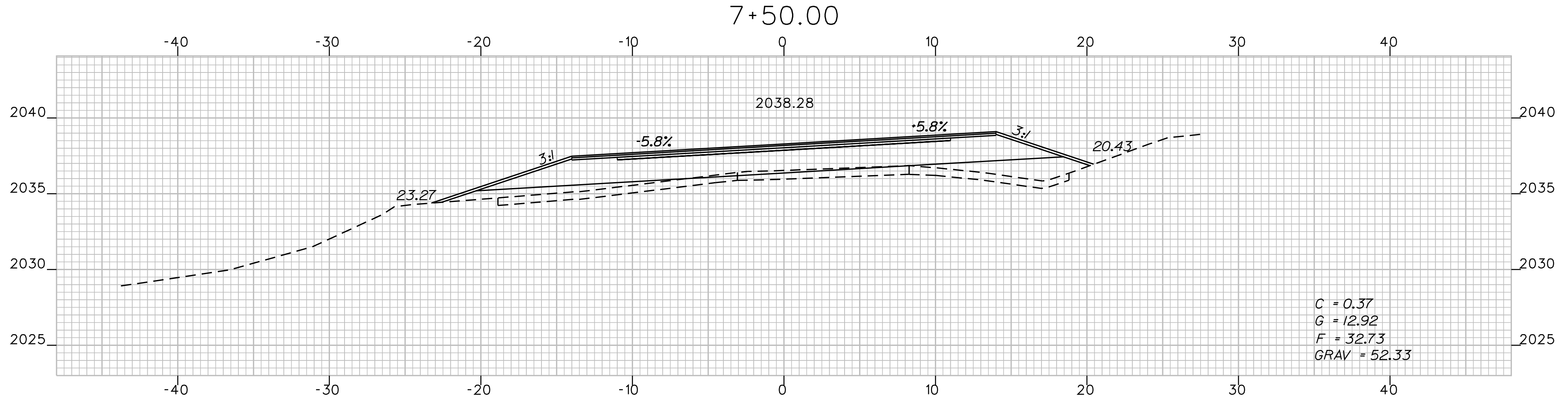
SHEET NUMBER 25 OF 74



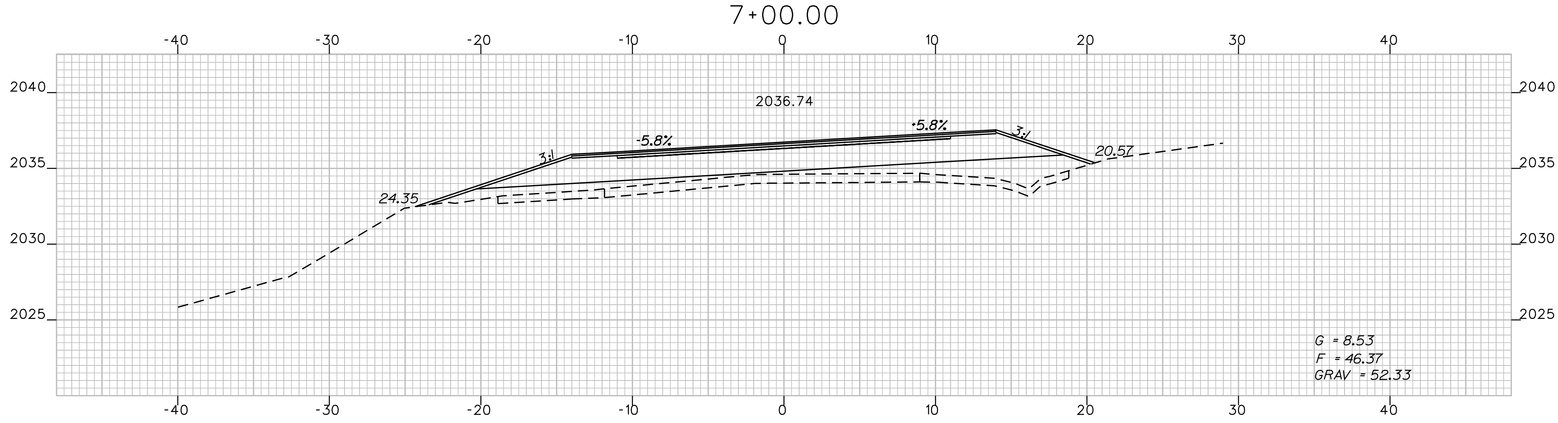
8+00.00



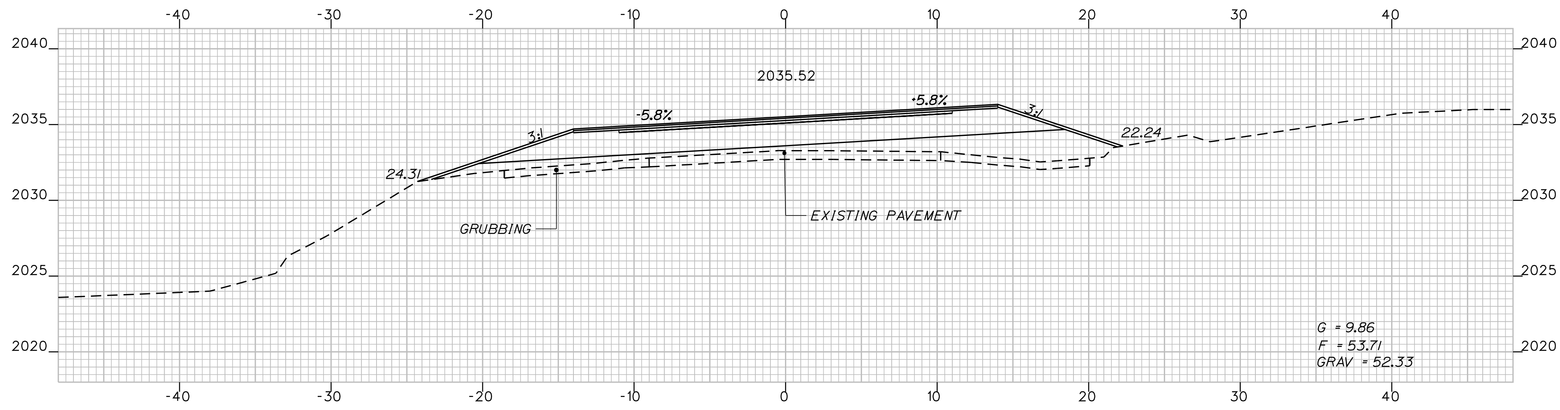
7+50.00



7+00.00



6+50.00



6+00.00

SHEET NUMBER 26 OF 74	TOWNSHIP D ROUTE 17	PROJ. MANAGER	H. COWAN	BY	DATE
		DESIGN-DETAILED	S. AMOROSO	M. SHIBLES	6/4/10
		CHECKED-REVIEWED			
		DESIGN2-DETAILED2			
		DESIGN3-DETAILED3			
		REVISIONS 1			
		REVISIONS 2			
		REVISIONS 3			
		REVISIONS 4			
		FIELD CHANGES			
	6+00 CROSS SECTIONS 8+00				

SIGNATURE

P.E. NUMBER

DATE

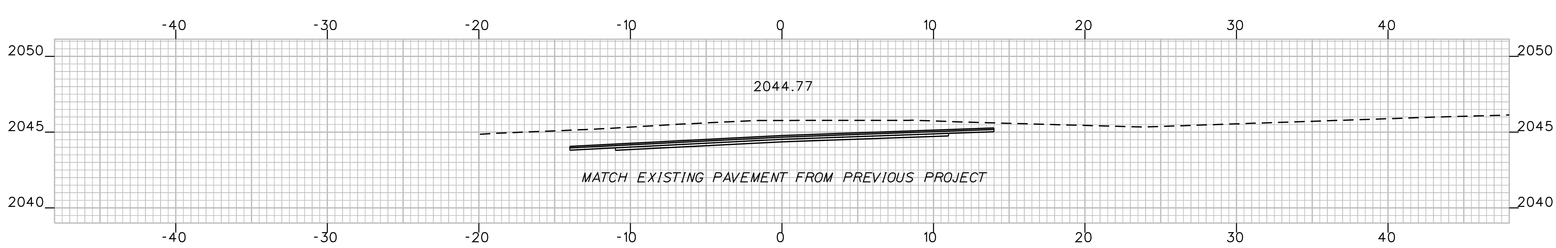
STATE OF MAINE
DEPARTMENT OF TRANSPORTATION

SB-ME-98(007)

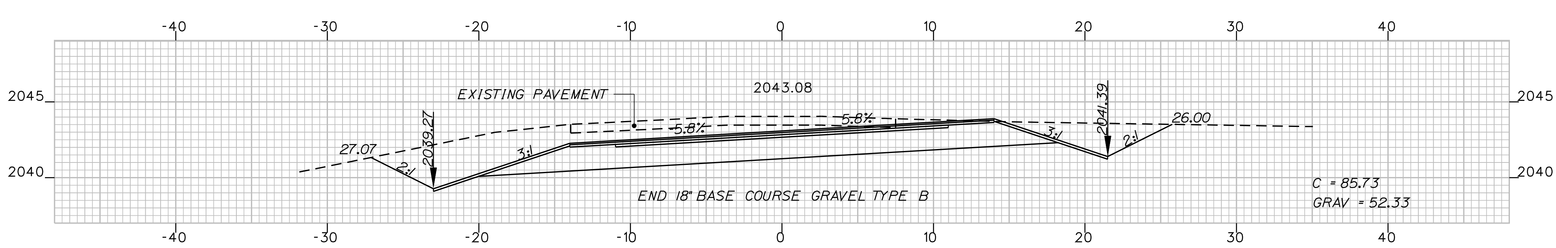
PIN 8670.10

HIGHWAY PLANS

NO WORK FROM STATION 9+00 TO 13+00



9+00.00



8+50.00

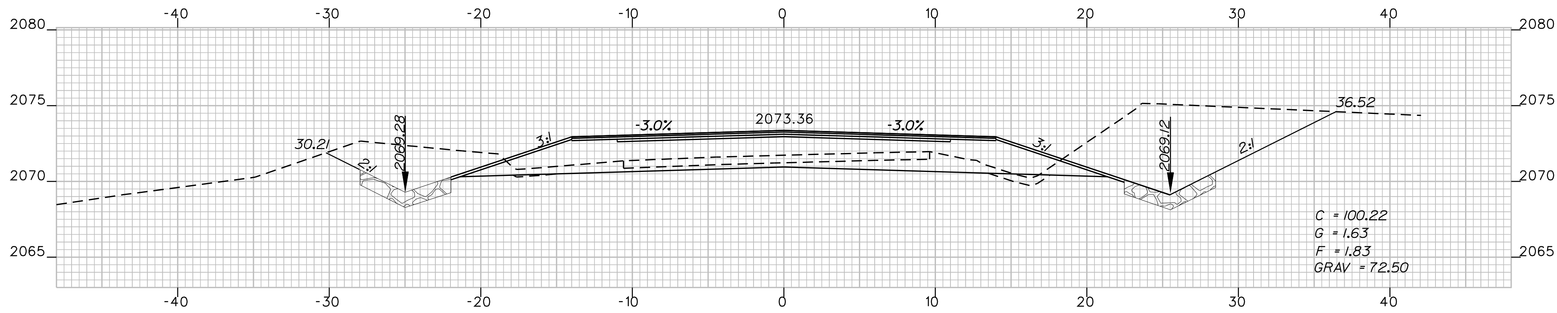
SHEET NUMBER 27 OF 74	SUMNER GREENWOOD RD.	PROJ. MANAGER	H. COWAN	BY	DATE
		DESIGN-DETAILED	S. AMOROSO	M. SHIBLES	6/4/10
		CHECKED-REVIEWED			
		DESIGN2-DETAILED2			
		DESIGN3-DETAILED3			
		REVISIONS 1			
		REVISIONS 2			
		REVISIONS 3			
		REVISIONS 4			
		FIELD CHANGES			
	8+50.00 CROSS SECTIONS 9+00.00	SIGNATURE			
		P.E. NUMBER			
		DATE			

STATE OF MAINE
DEPARTMENT OF TRANSPORTATION

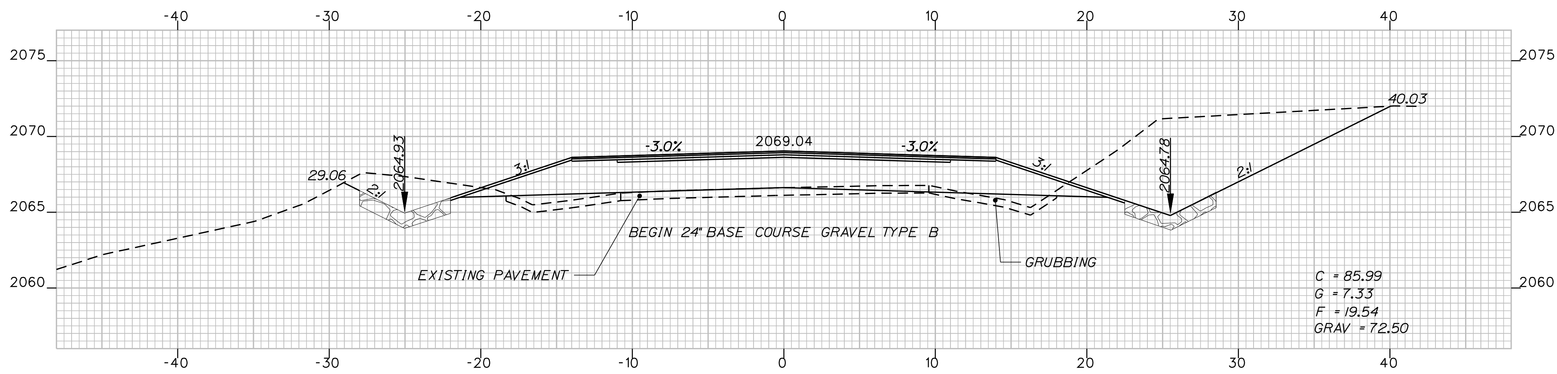
SB-ME-98(007)

PIN 8670.10

HIGHWAY PLANS



13+50.00



13+00.00

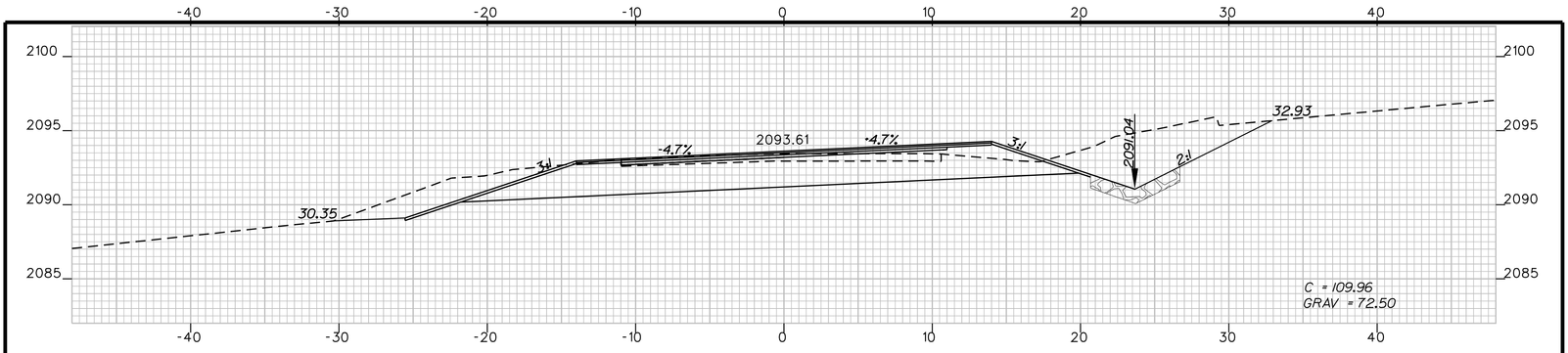
NO WORK FROM STATION 9+00 TO 13+00

SHEET NUMBER 28 OF 74	TOWNSHIP D ROUTE 17	PROJ. MANAGER H. COWAN	BY	DATE	STATE OF MAINE DEPARTMENT OF TRANSPORTATION
		DESIGN-DETAILED S. AMOROSO	M. SHIBLES	6/4/10	
		CHECKED-REVIEWED			SIGNATURE
		DESIGN2-DETAILED2			
		DESIGN3-DETAILED3			P.E. NUMBER
	13+00 CROSS SECTIONS 13+50	REVISIONS 1			
		REVISIONS 2			
		REVISIONS 3			DATE
		REVISIONS 4			
		FIELD CHANGES			

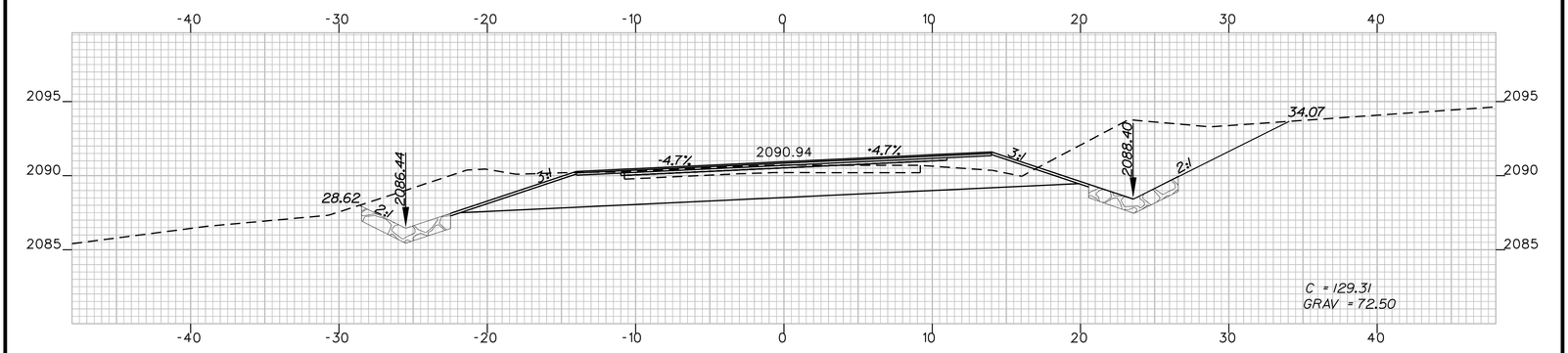
SB-ME-98(007)

PIN 8670.10

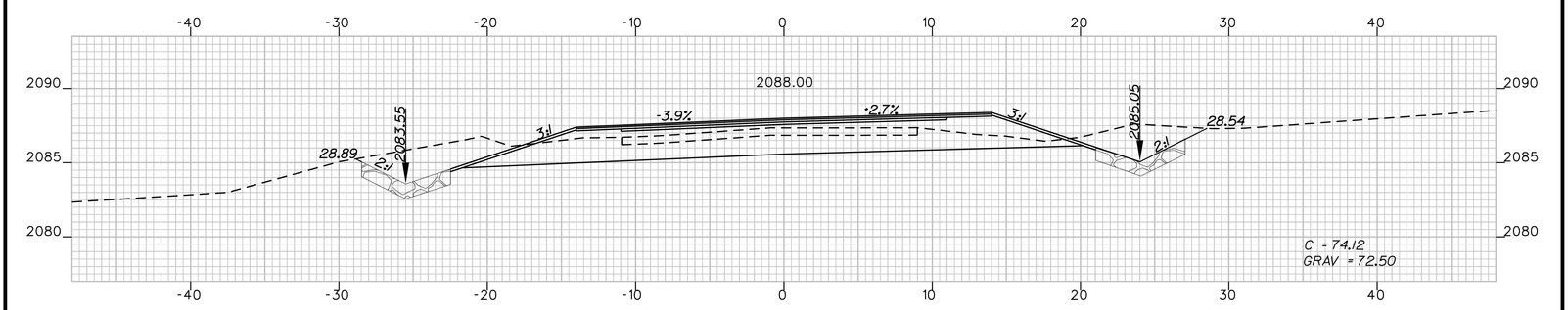
HIGHWAY PLANS



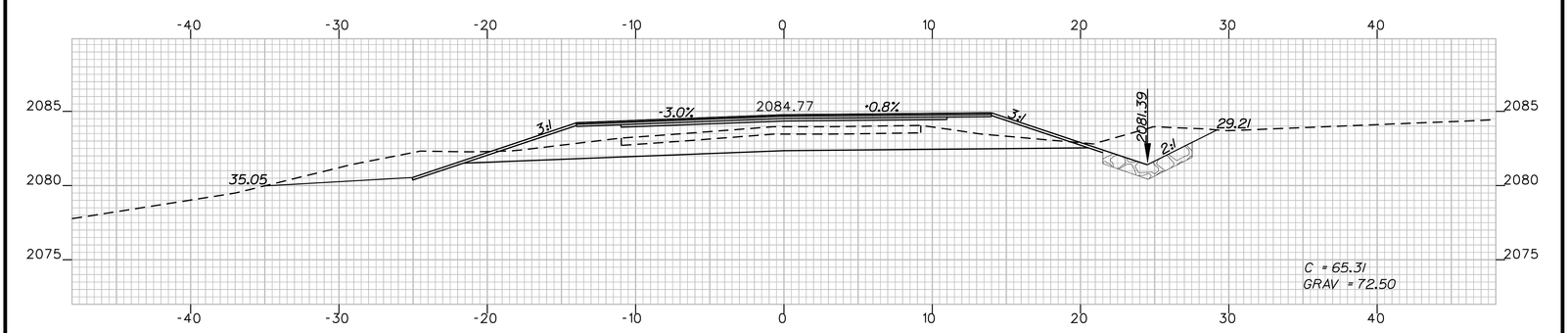
16+50.00



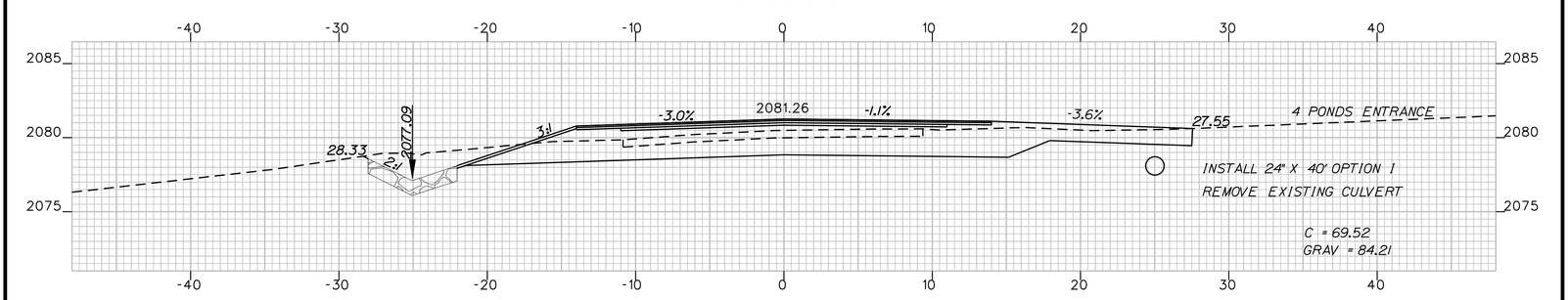
16+00.00



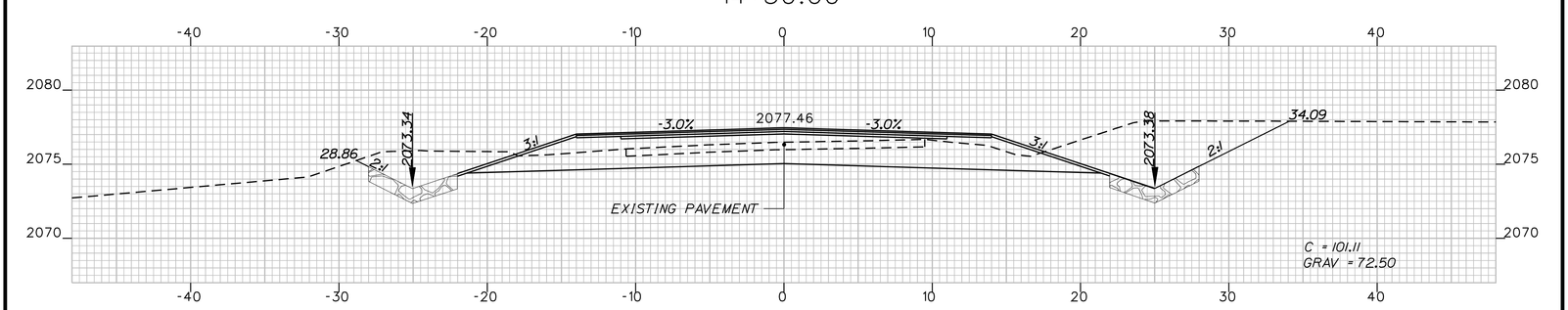
15+50.00



15+00.00



14+50.00



14+00.00

PROJ. MANAGER	H. COWAN	BY	DATE
DESIGN-DETAILED	S. AMOROSO	M. SHIBLES	6/4/10
CHECKED-REVIEWED			
DESIGN2-DETAILED2			
DESIGN3-DETAILED3			
REVISIONS 1			
REVISIONS 2			
REVISIONS 3			
REVISIONS 4			
FIELD CHANGES			

SIGNATURE

P.E. NUMBER

DATE

TOWNSHIP D
ROUTE 17

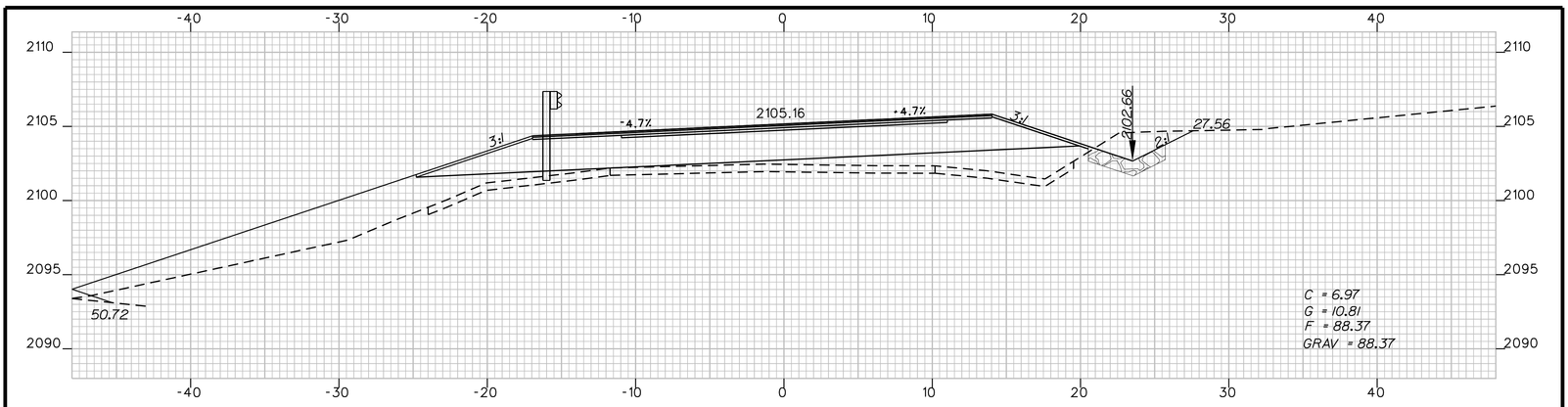
14+00 CROSS SECTIONS 16+50

STATE OF MAINE
DEPARTMENT OF TRANSPORTATION

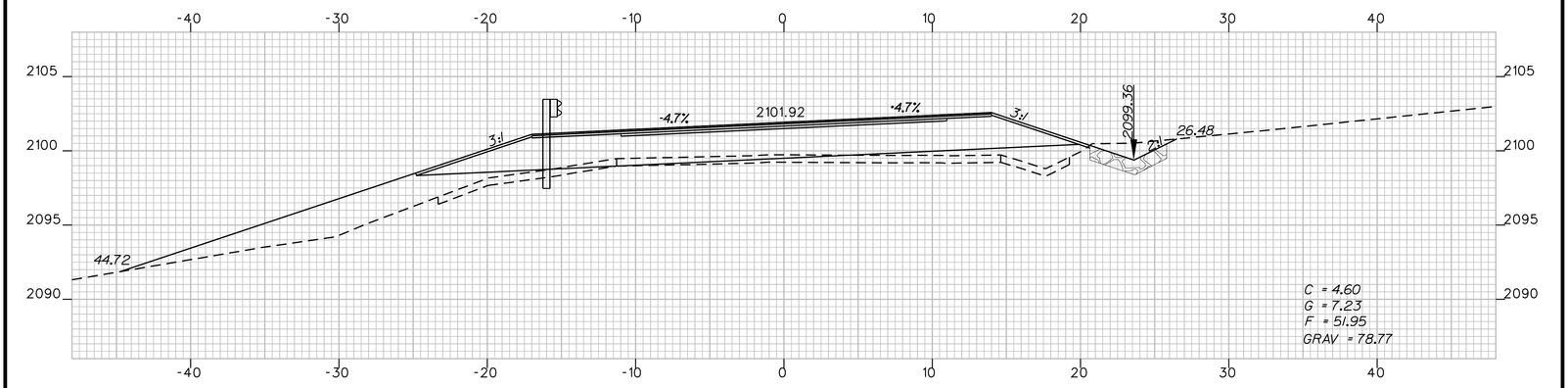
SB-ME-98(007)

PIN
8670.10

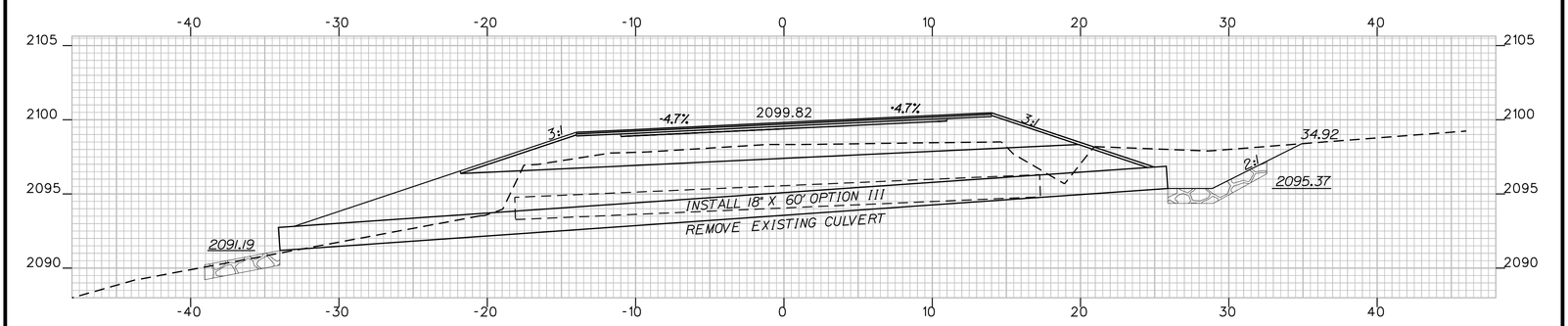
HIGHWAY PLANS



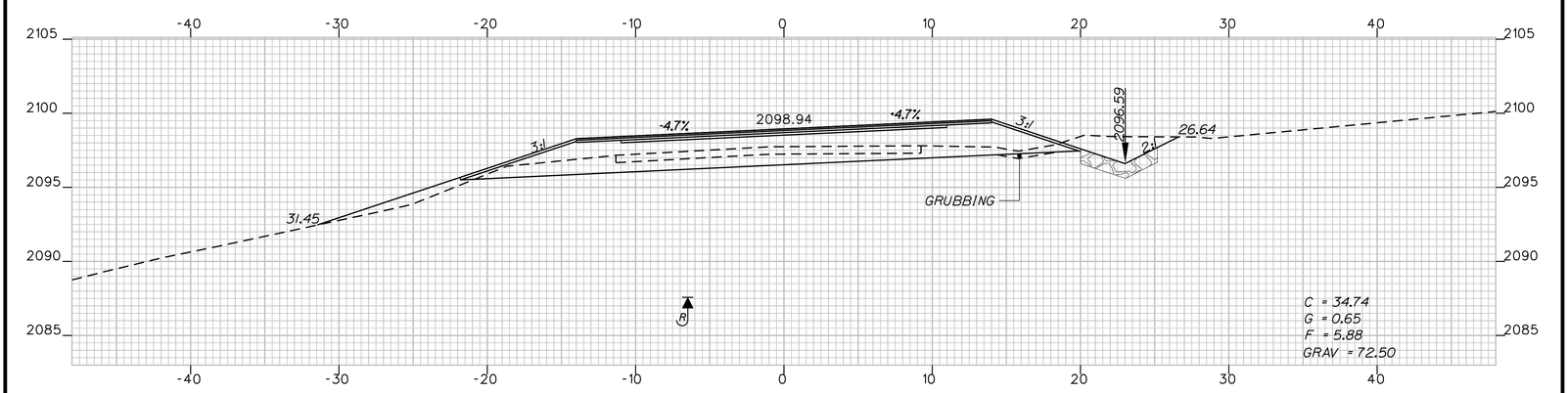
18+50.00



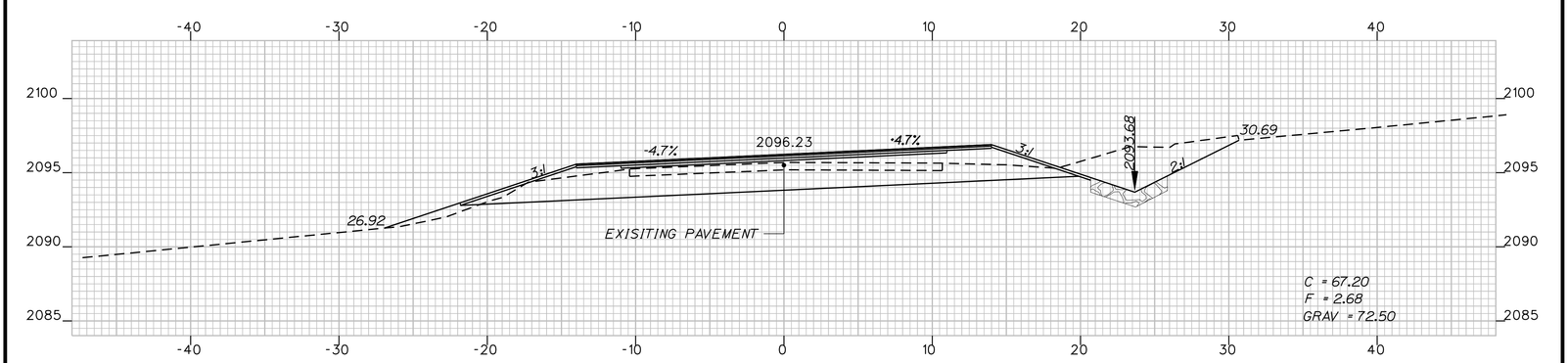
18+00.00



17+65.19



17+50.00



17+00.00

PROJ. MANAGER	H. COWAN	BY	DATE	
DESIGN-DETAILED	S. AMOROSO	M. SHIBLES	6/4/10	
CHECKED-REVIEWED				SIGNATURE
DESIGN2-DETAILED2				
DESIGN3-DETAILED3				P.E. NUMBER
REVISIONS 1				
REVISIONS 2				
REVISIONS 3				DATE
REVISIONS 4				
FIELD CHANGES				

SHEET NUMBER 30 OF 74

TOWNSHIP D
ROUTE 17

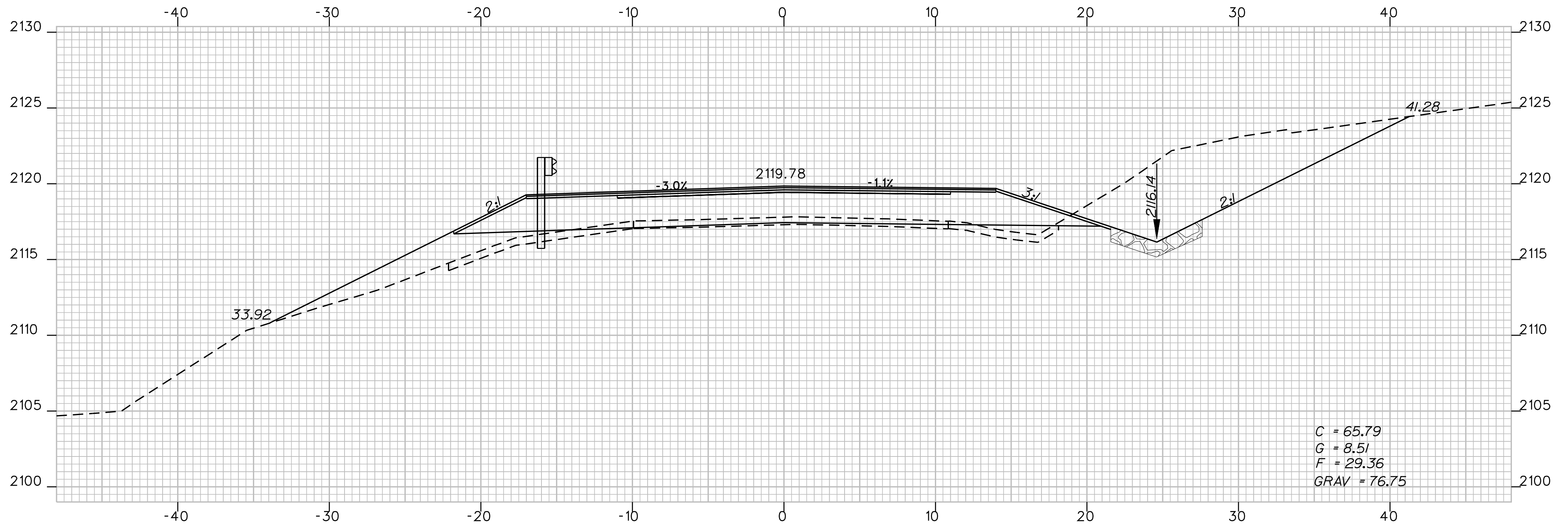
17+00 CROSS SECTIONS 18+50

STATE OF MAINE
DEPARTMENT OF TRANSPORTATION

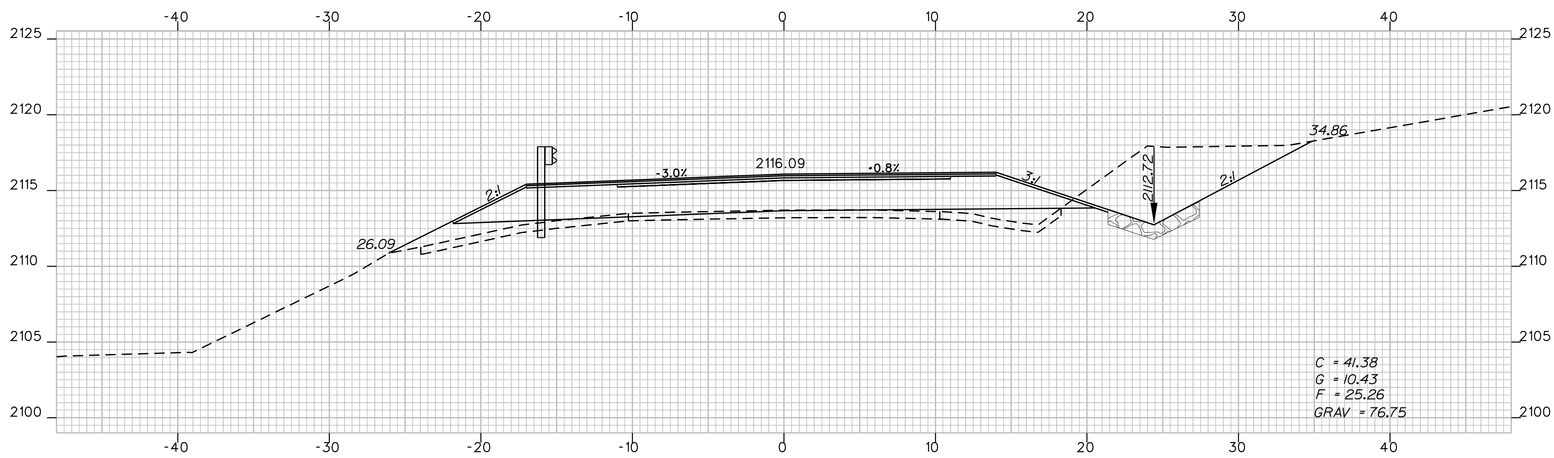
SB-ME-98(007)

PIN 8670.10

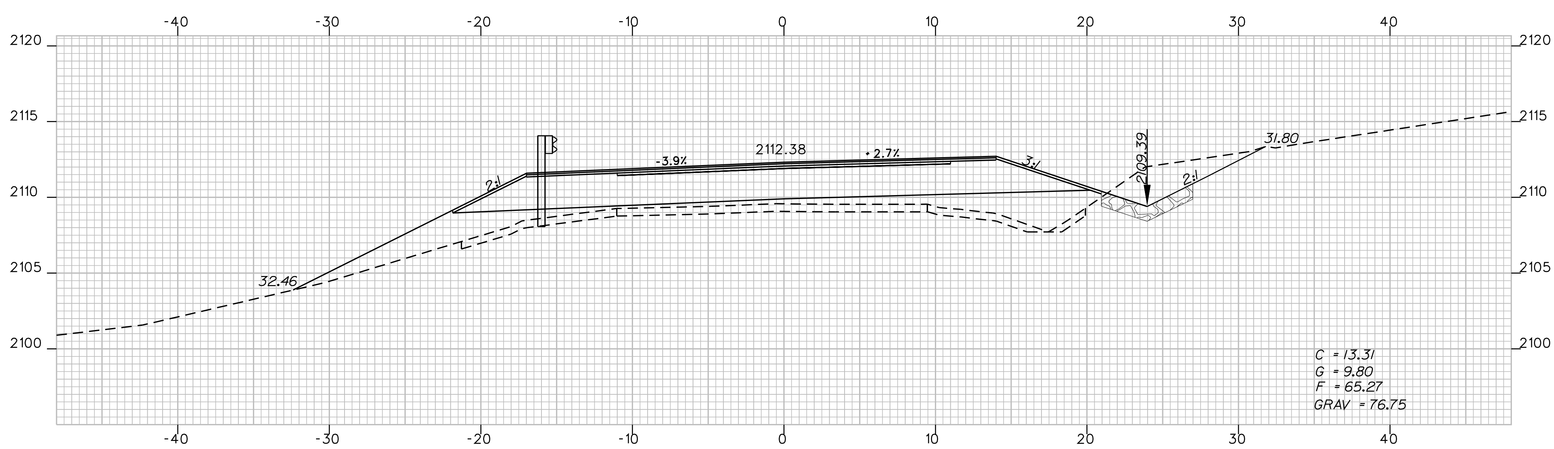
HIGHWAY PLANS



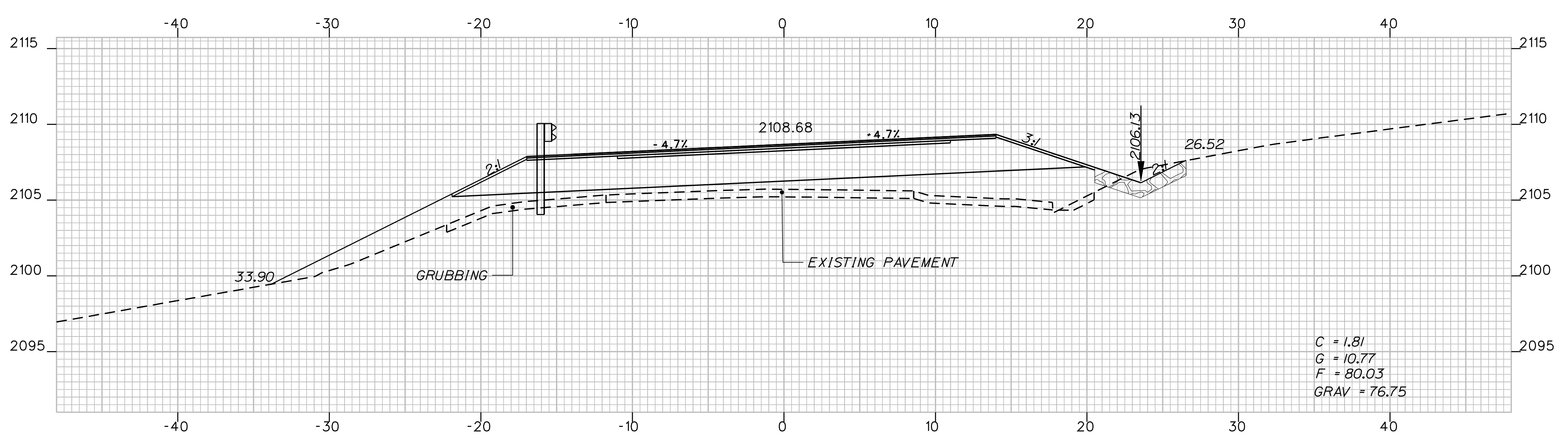
20+50.00



20+00.00



19+50.00

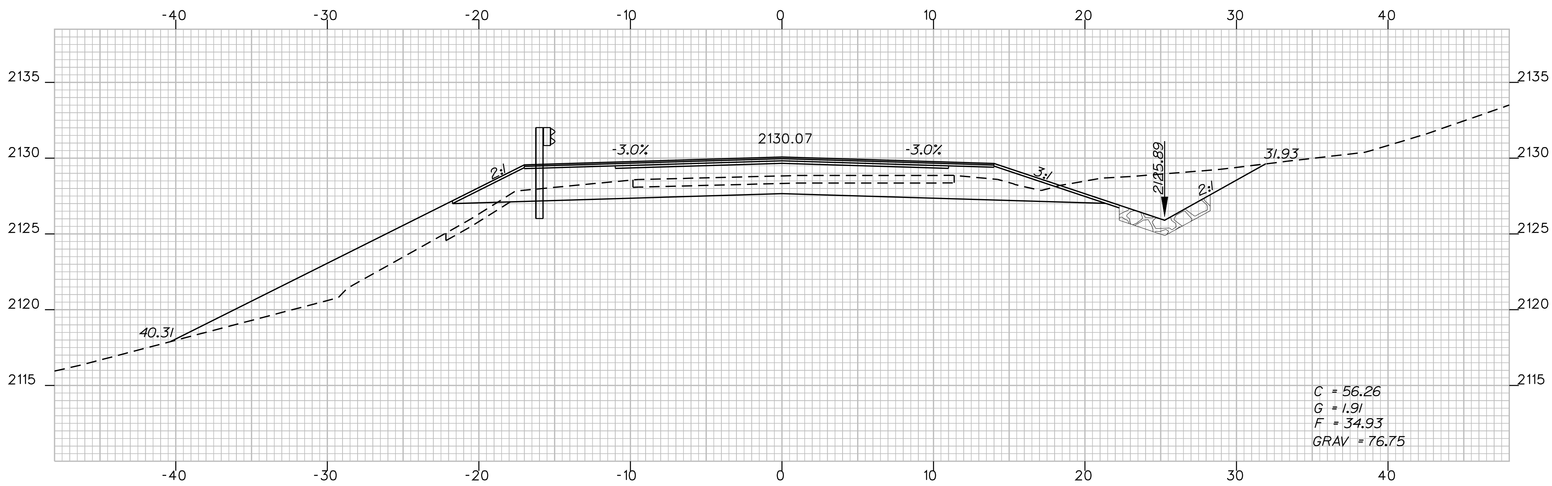


19+00.00

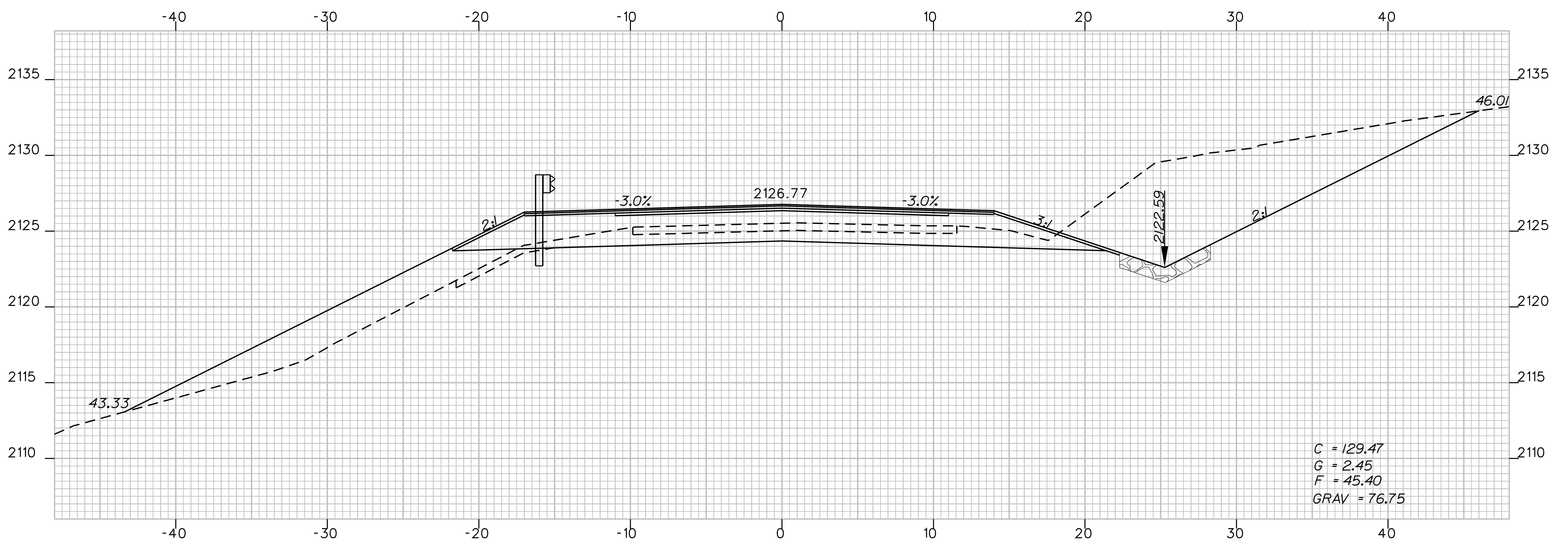
SHEET NUMBER 31 OF 74	TOWNSHIP D ROUTE 17	PROJ. MANAGER	H. COWAN	BY	DATE
		DESIGN-DETAILED	S. AMOROSO	M. SHIBLES	6/4/10
		CHECKED-REVIEWED			
		DESIGN2-DETAILED2			
		DESIGN3-DETAILED3			
		REVISIONS 1			
		REVISIONS 2			
	19+00 CROSS SECTIONS 20+50	REVISIONS 3			
		REVISIONS 4			
		FIELD CHANGES			

SIGNATURE
P.E. NUMBER
DATE

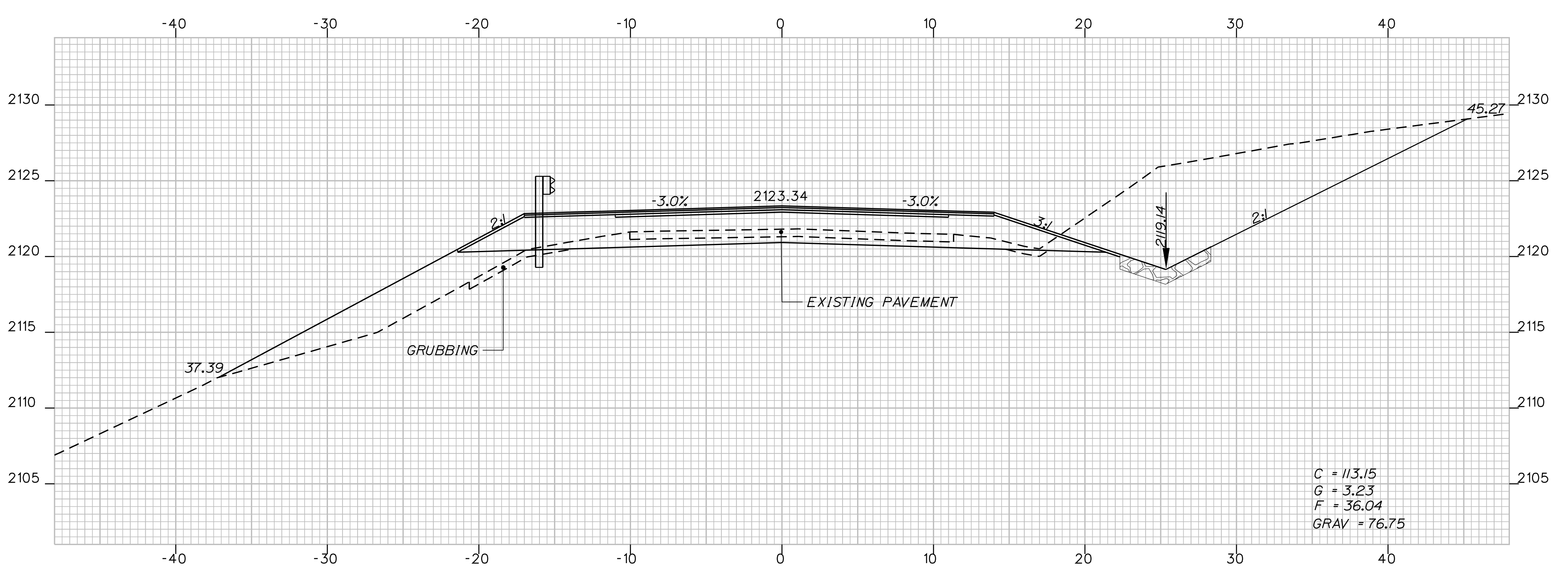
STATE OF MAINE
DEPARTMENT OF TRANSPORTATION
SB-ME-98(007)
PIN 8670.10
HIGHWAY PLANS



22+00.00



21+50.00

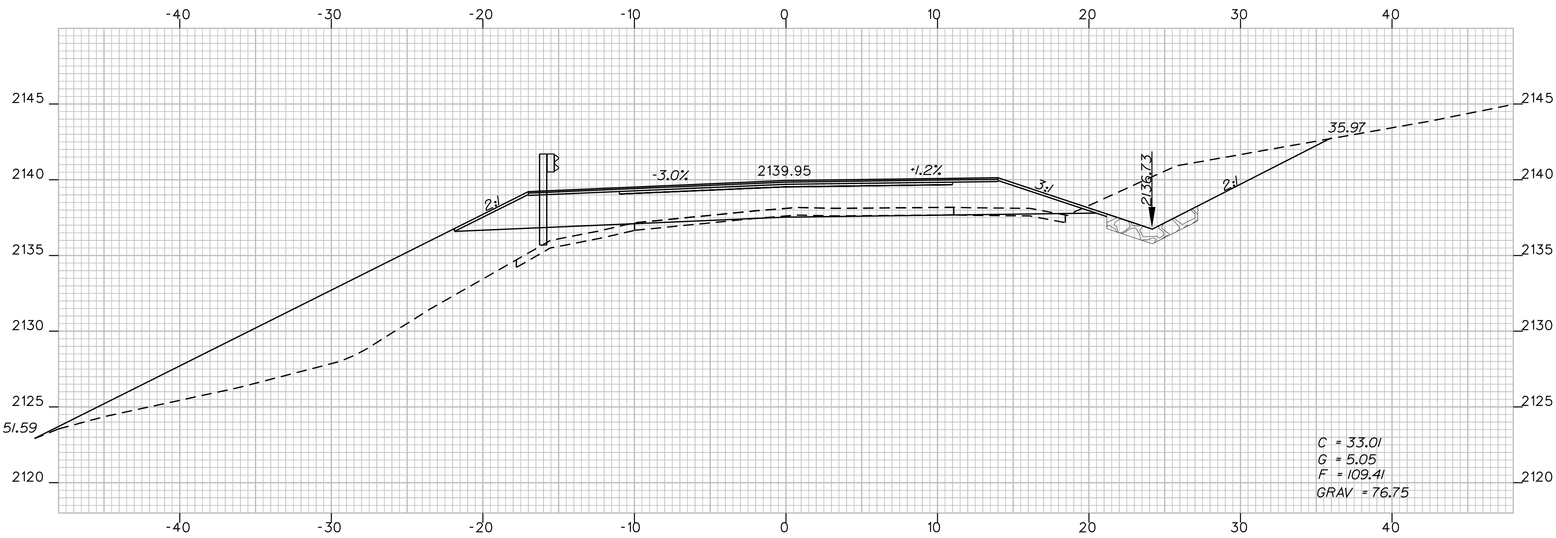


21+00.00

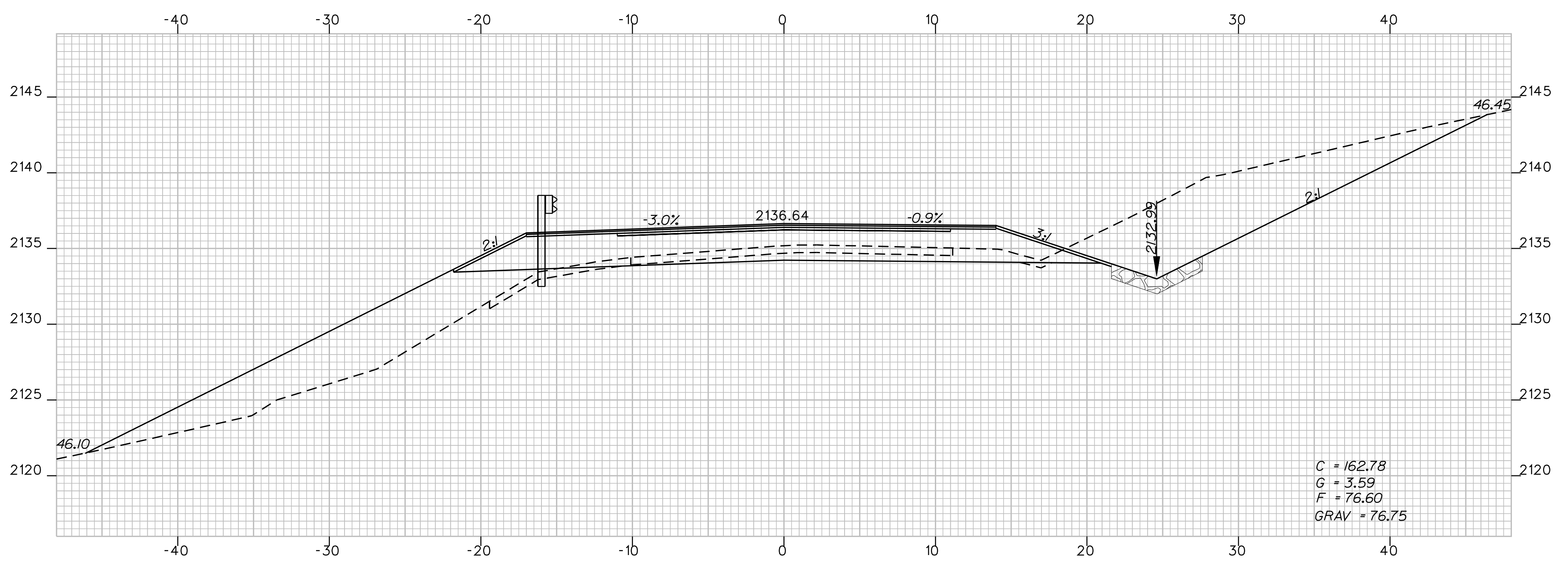
SHEET NUMBER 32 OF 74	TOWNSHIP D ROUTE 17	PROJ. MANAGER	H. COWAN	BY	DATE
		DESIGN-DETAILED	S. AMOROSO	M. SHIBLES	6/4/10
		CHECKED-REVIEWED			
		DESIGN2-DETAILED2			
		DESIGN3-DETAILED3			
		REVISIONS 1			
		REVISIONS 2			
	21+00 CROSS SECTIONS 22+00	REVISIONS 3			
		REVISIONS 4			
		FIELD CHANGES			

SIGNATURE
P.E. NUMBER
DATE

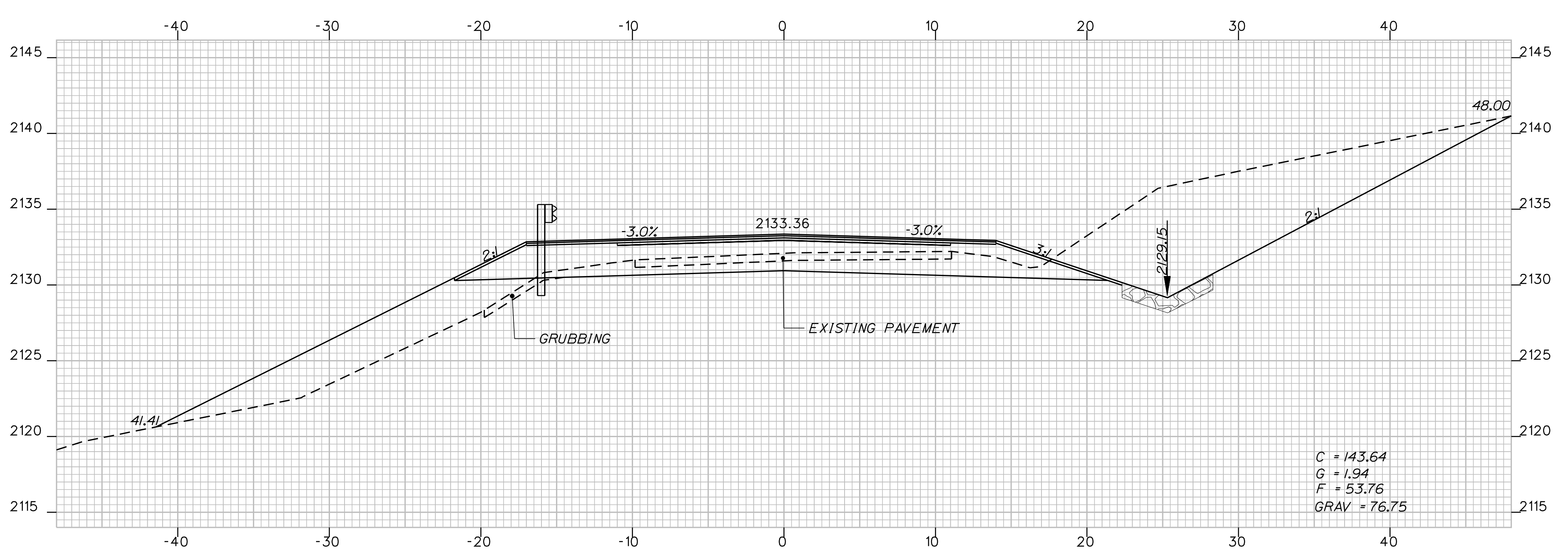
STATE OF MAINE
DEPARTMENT OF TRANSPORTATION
SB-ME-98(007)
PIN 8670.10
HIGHWAY PLANS



23+50.00



23+00.00



22+50.00

SHEET NUMBER 33 OF 74	TOWNSHIP D ROUTE 17	PROJ. MANAGER	H. COWAN	BY	DATE
		DESIGN-DETAILED	S. AMOROSO	M. SHIBLES	6/4/10
		CHECKED-REVIEWED			
		DESIGN2-DETAILED2			
		DESIGN3-DETAILED3			
		REVISIONS 1			
		REVISIONS 2			
	22+50 CROSS SECTIONS 23+50	REVISIONS 3			
		REVISIONS 4			
		FIELD CHANGES			

SIGNATURE

P.E. NUMBER

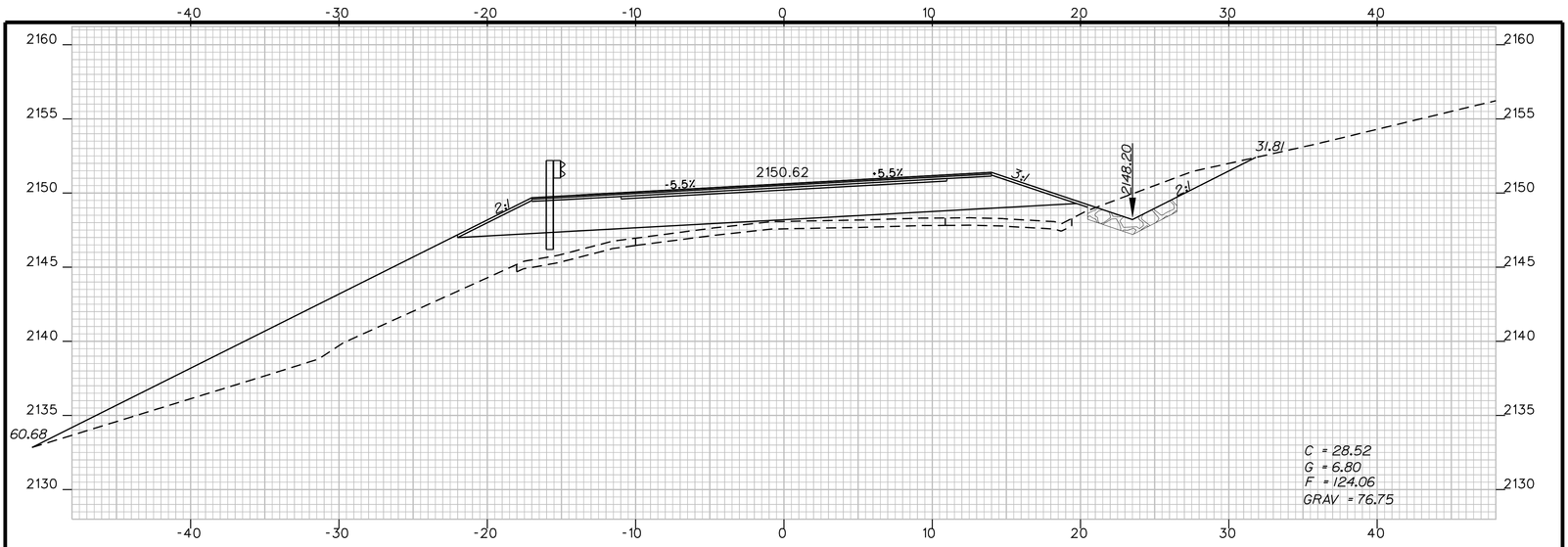
DATE

STATE OF MAINE
DEPARTMENT OF TRANSPORTATION

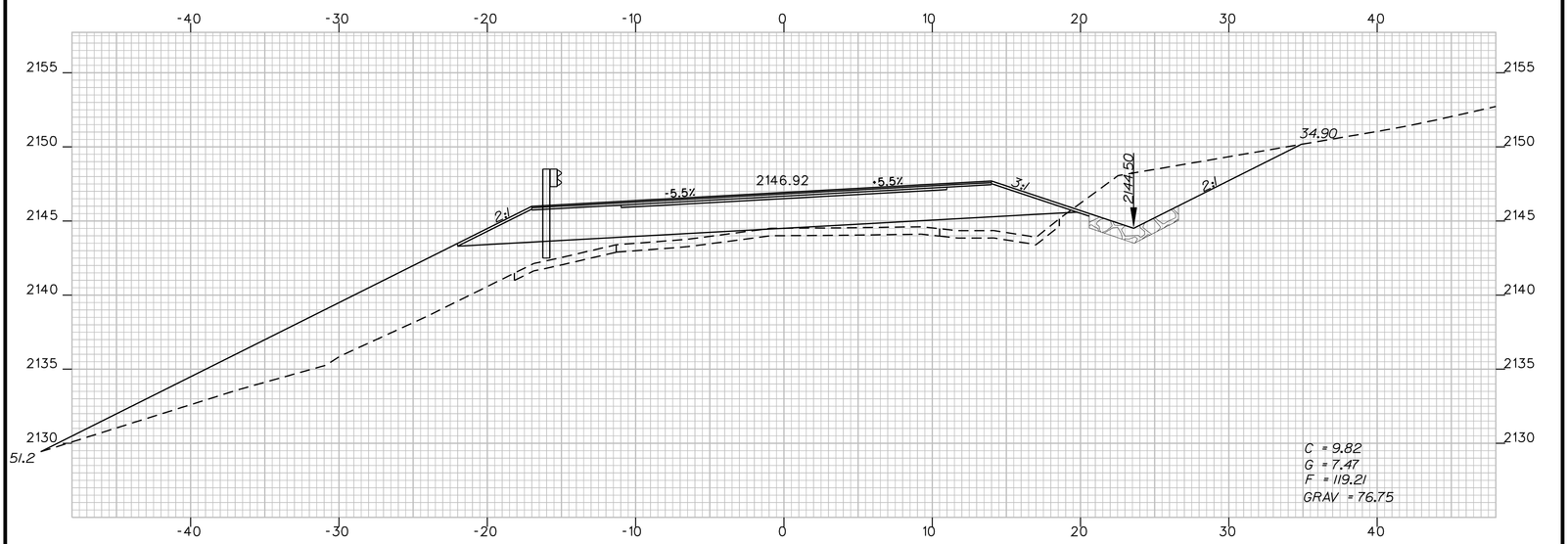
SB-ME-98(007)

PIN 8670.10

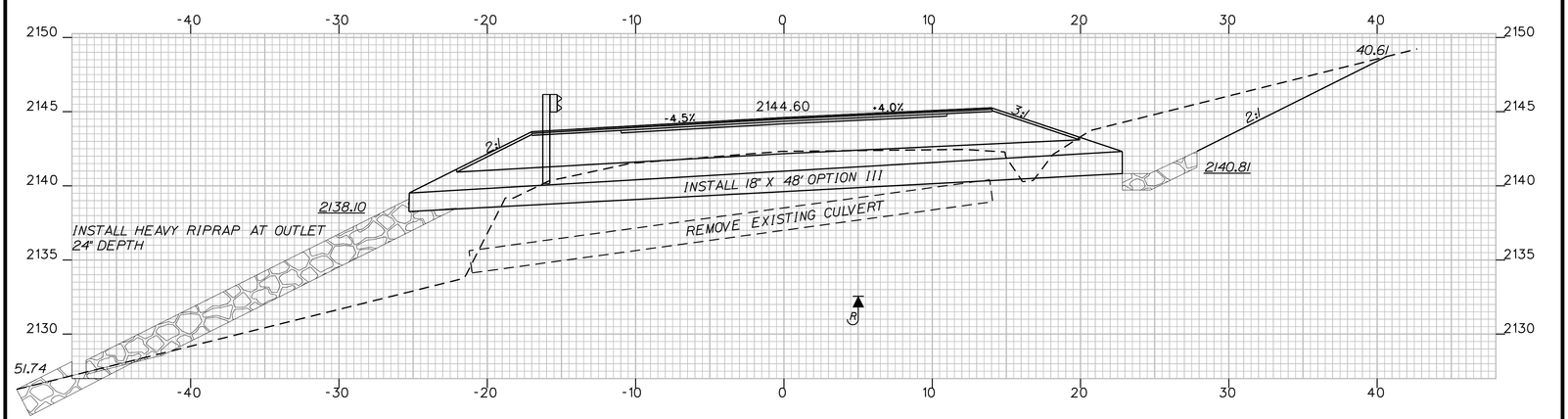
HIGHWAY PLANS



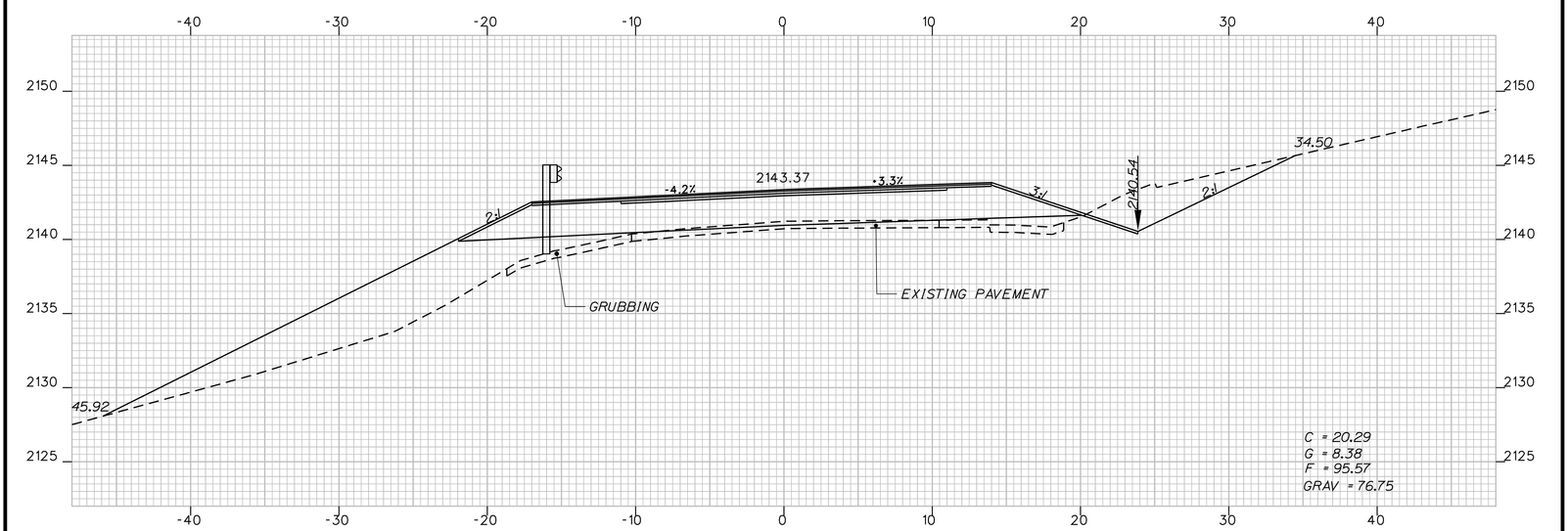
25+00.00



24+50.00



24+17.51



24+00.00

SHEET NUMBER 34 OF 74

TOWNSHIP D
ROUTE 17

24+00 CROSS SECTIONS 25+00

PROJ. MANAGER	H. COWAN	BY	DATE
DESIGN-DETAILED	S. AMOROSO	M. SHIBLES	6/4/10
CHECKED-REVIEWED			
DESIGN2-DETAILED2			
DESIGN3-DETAILED3			
REVISIONS 1			
REVISIONS 2			
REVISIONS 3			
REVISIONS 4			
FIELD CHANGES			

SIGNATURE
P.E. NUMBER
DATE

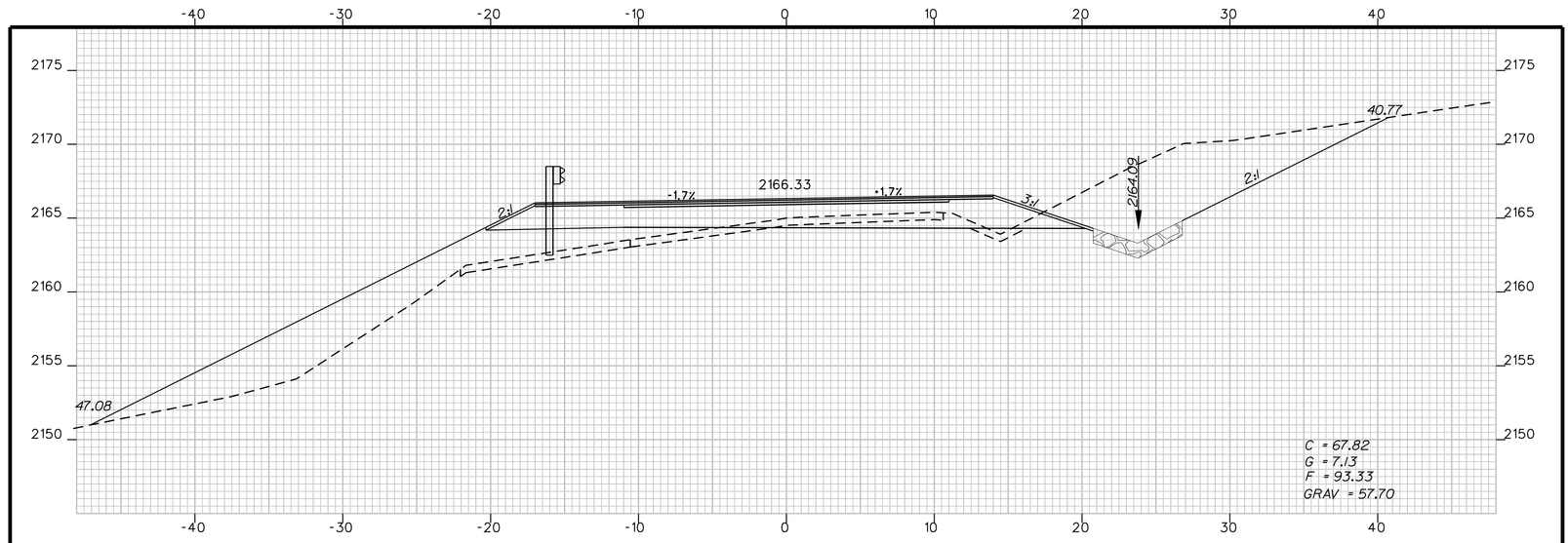
STATE OF MAINE
DEPARTMENT OF TRANSPORTATION

SB-ME-98(007)

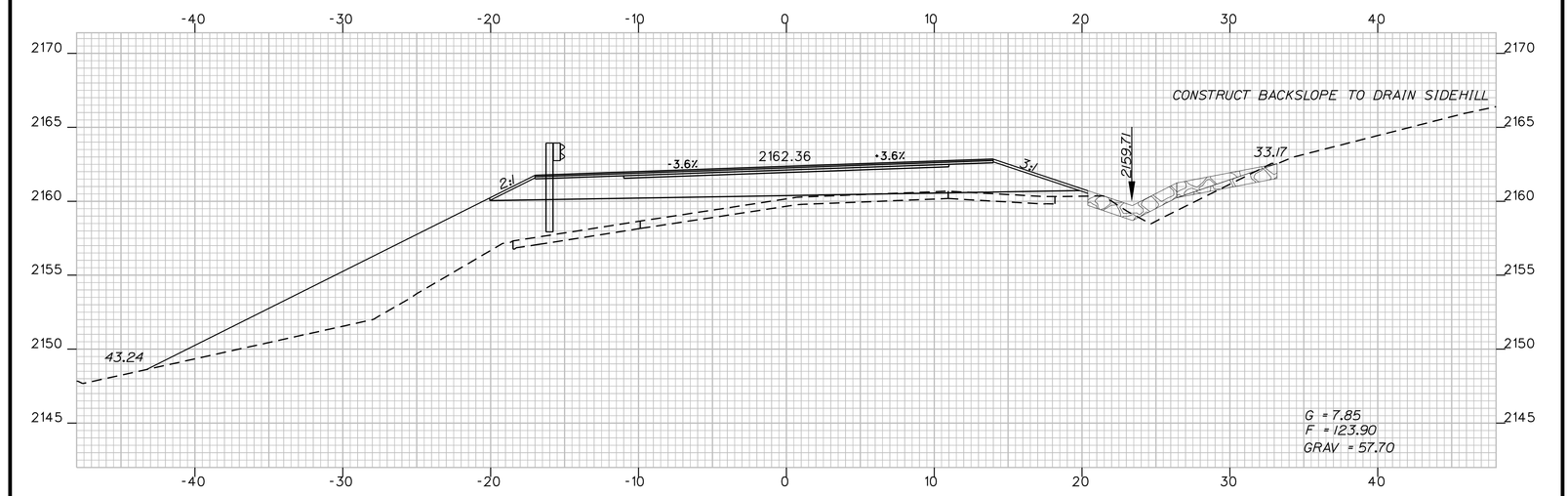
PIN 8670.10

HIGHWAY PLANS

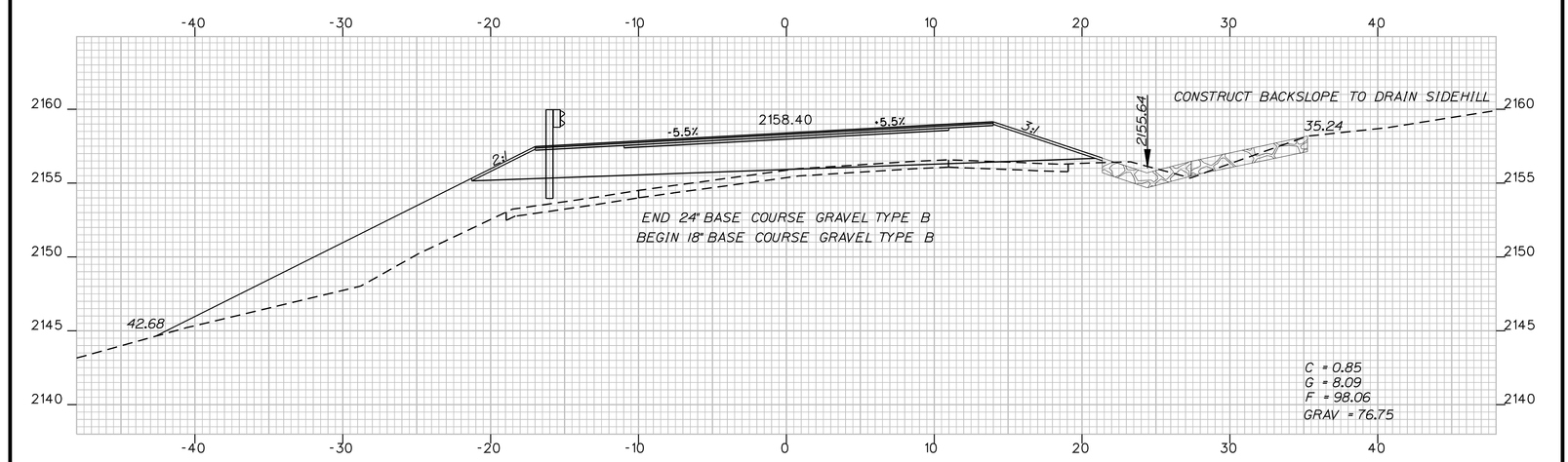
Filename: ...\msta\035_XSMC30_dr_012.dgn Division: HIGHWAY Username: norma.gilman Date:6/17/2010



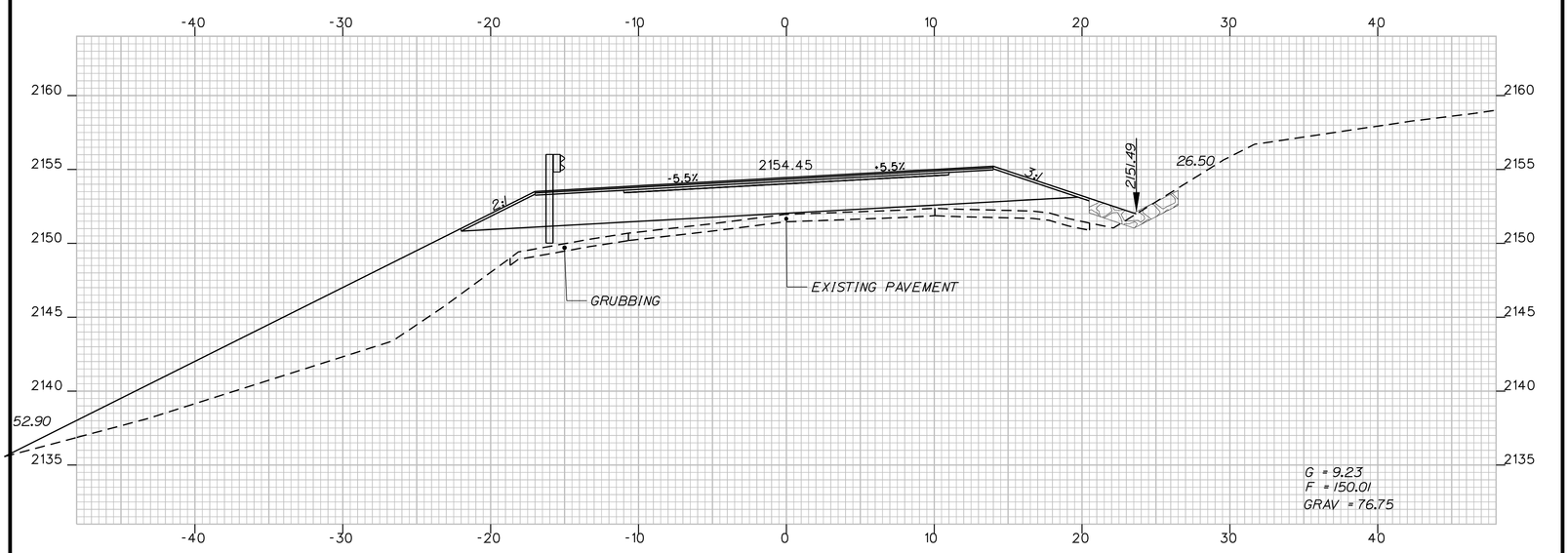
27+00.00



26+50.00



26+00.00



25+50.00

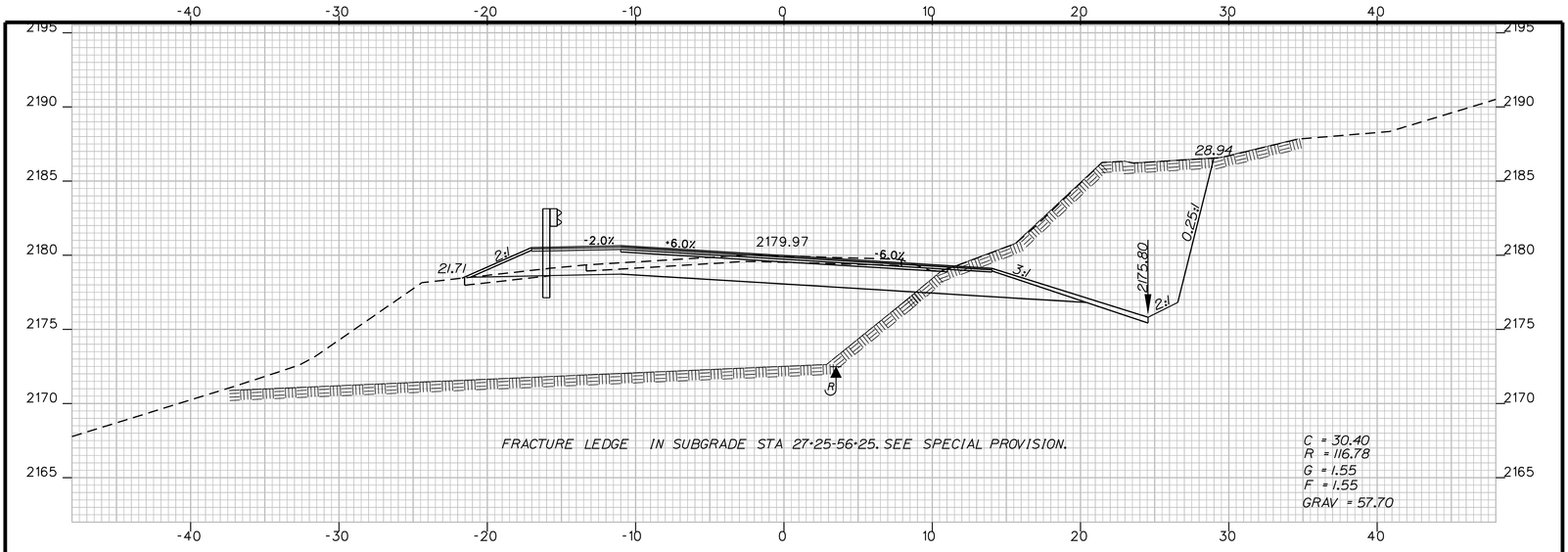
SHEET NUMBER 35 OF 74	TOWNSHIP D ROUTE 17	PROJ. MANAGER	H. COWAN	BY	DATE
		DESIGN-DETAILED	S. AMOROSO	M. SHIBLES	6/4/10
		CHECKED-REVIEWED			
		DESIGN2-DETAILED2			
		DESIGN3-DETAILED3			
		REVISIONS 1			
		REVISIONS 2			
		REVISIONS 3			
		REVISIONS 4			
		FIELD CHANGES			
	25+50 CROSS SECTIONS 27+00	SIGNATURE P.E. NUMBER DATE			

STATE OF MAINE
DEPARTMENT OF TRANSPORTATION

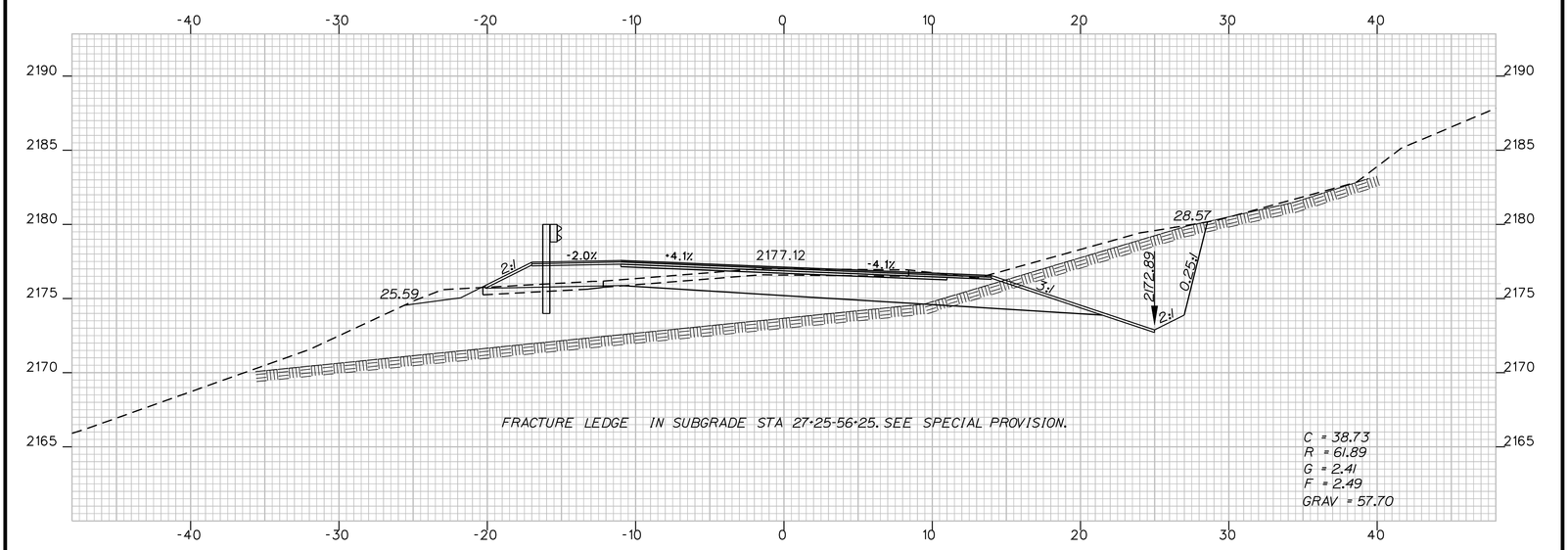
SB-ME-98(007)

PIN 8670.10

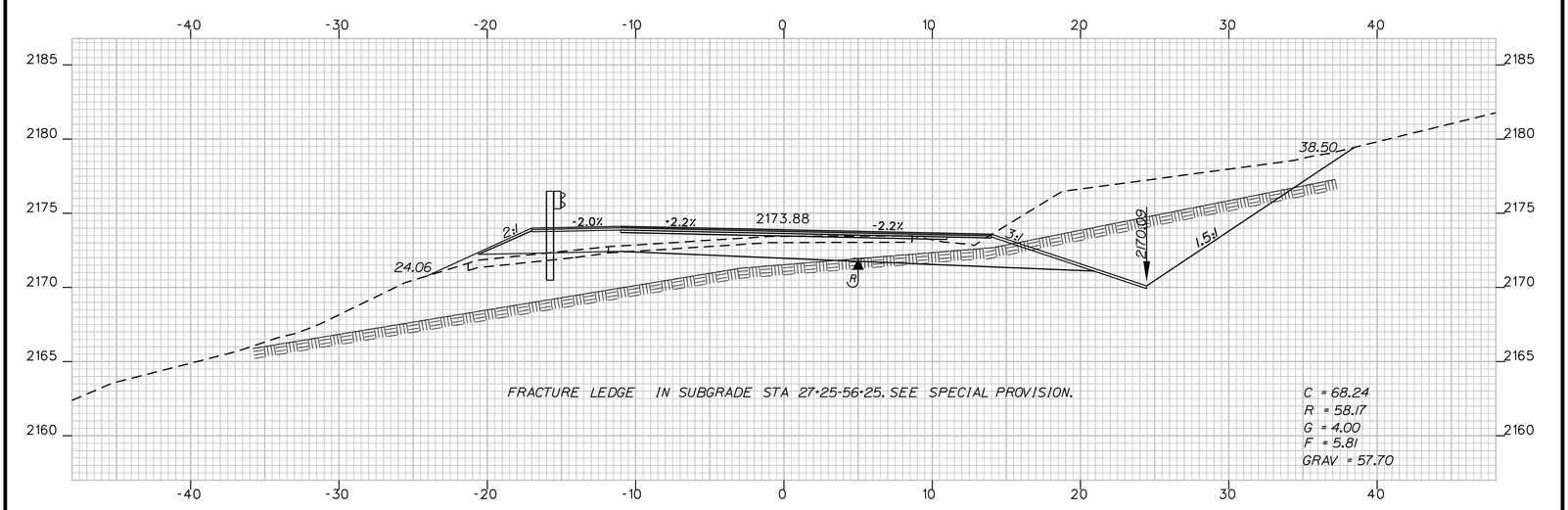
HIGHWAY PLANS



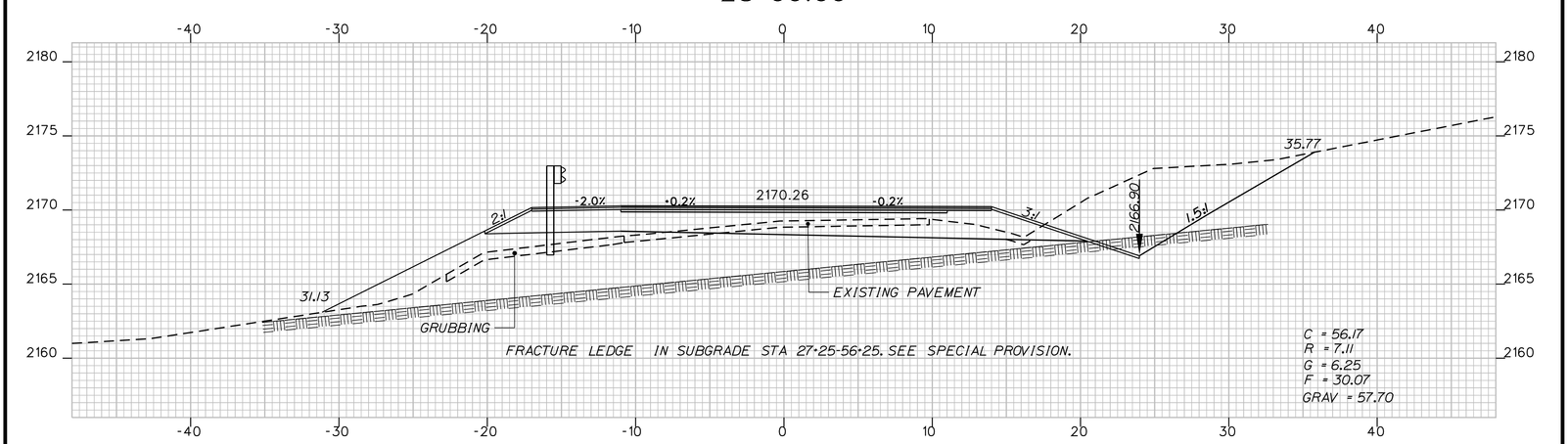
29+00.00



28+50.00



28+00.00



27+50.00

SHEET NUMBER 36 OF 74

TOWNSHIP D
ROUTE 17

27+50 CROSS SECTIONS 29+00

PROJ. MANAGER	H. COWAN	BY	DATE
DESIGN-DETAILED	S. AMOROSO	M. SHIBLES	6/4/10
CHECKED-REVIEWED			
DESIGN2-DETAILED2			
DESIGN3-DETAILED3			
REVISIONS 1			
REVISIONS 2			
REVISIONS 3			
REVISIONS 4			
FIELD CHANGES			

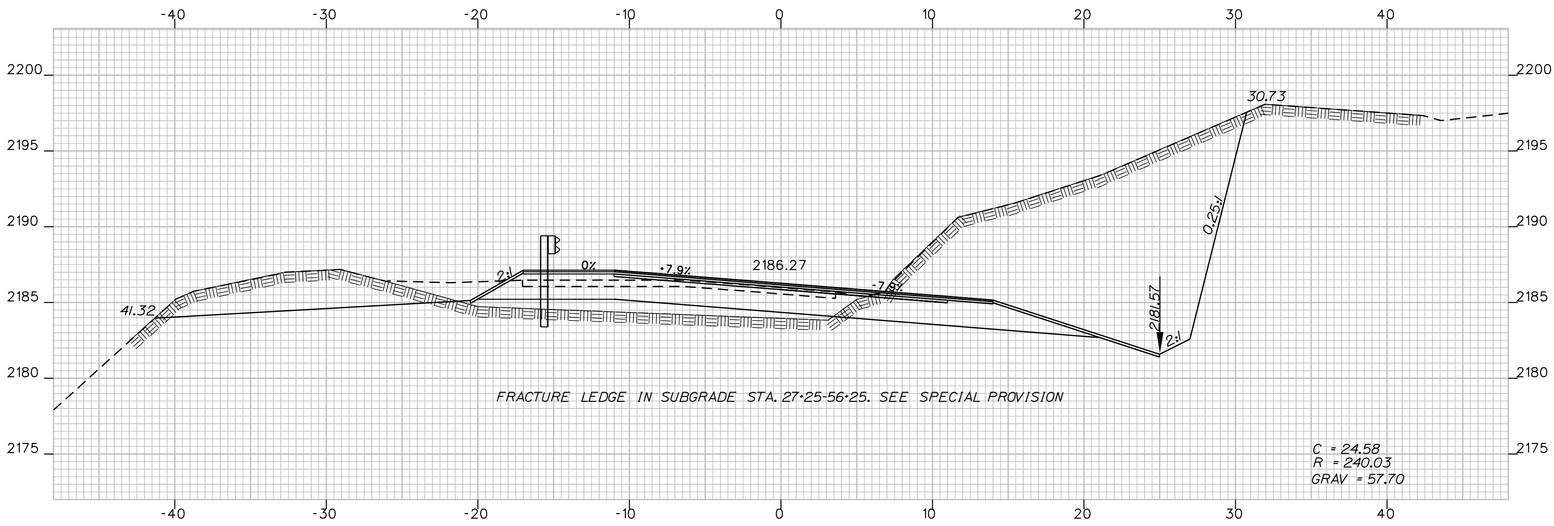
SIGNATURE
P.E. NUMBER
DATE

STATE OF MAINE
DEPARTMENT OF TRANSPORTATION

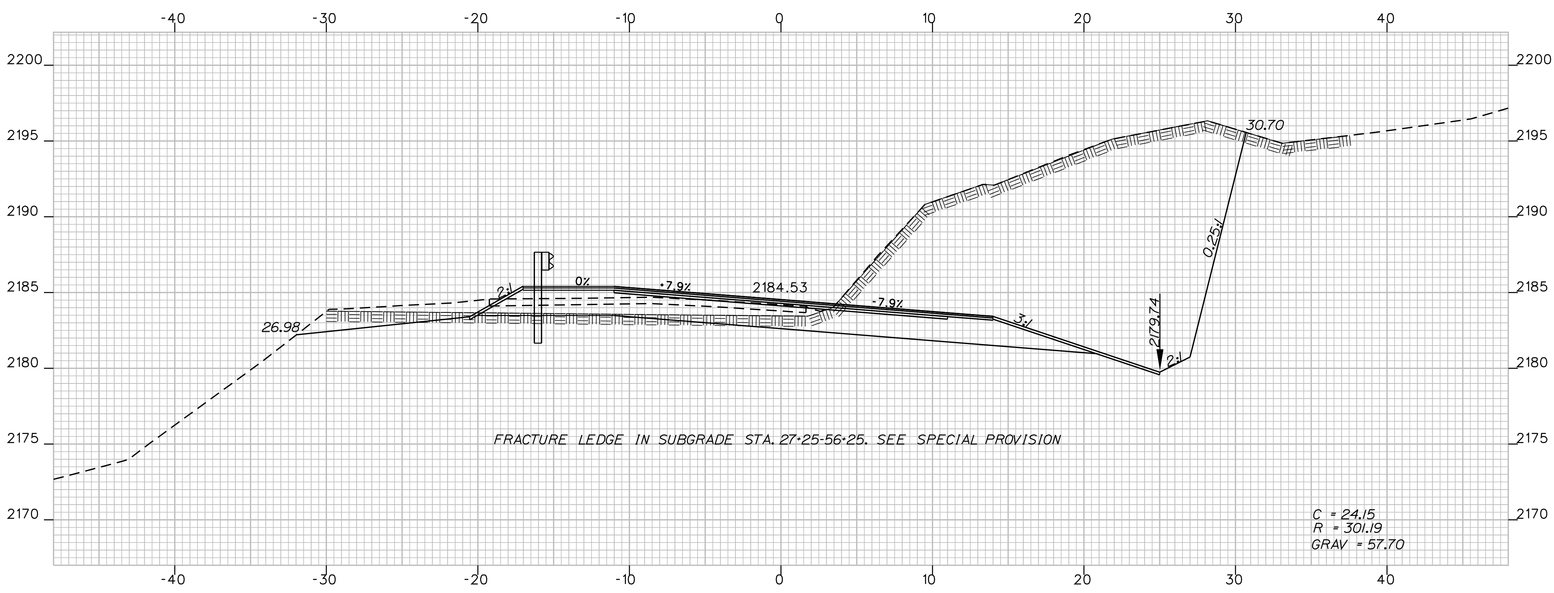
SB-ME-98(007)

PIN 8670.10

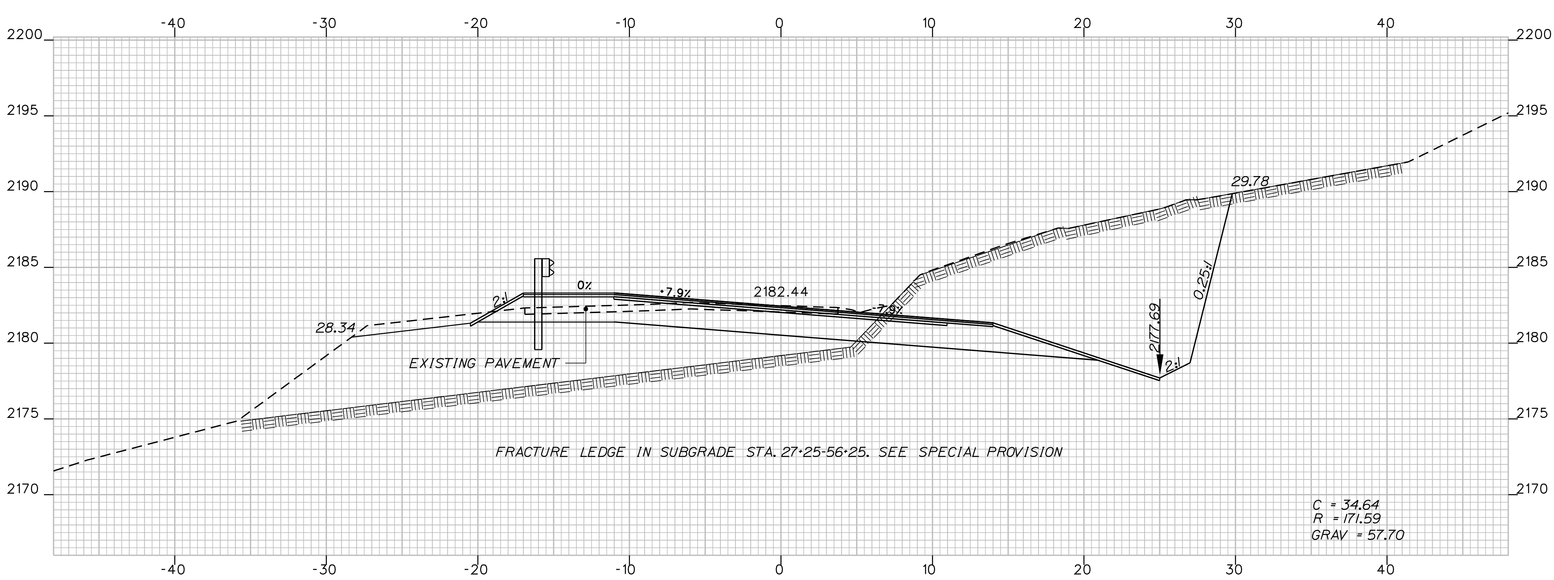
HIGHWAY PLANS



30+50.00



30+00.00



29+50.00

SHEET NUMBER 37 OF 74

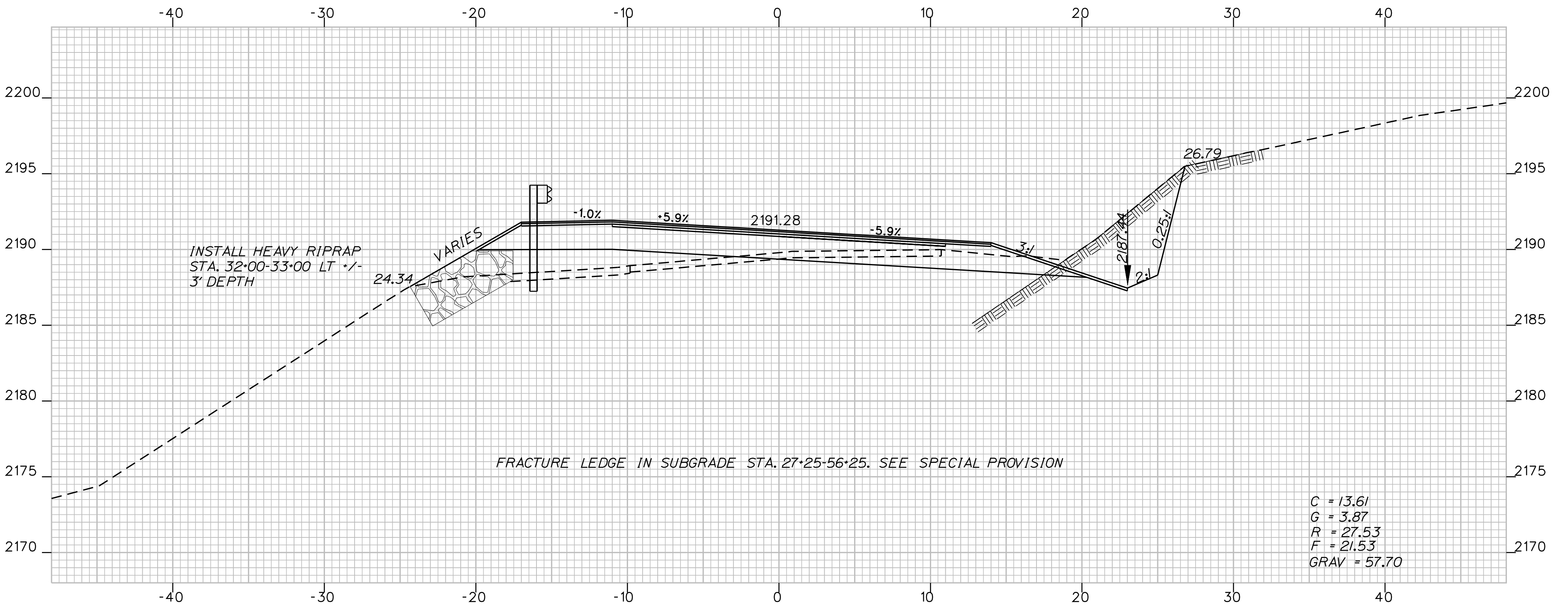
TOWNSHIP D
ROUTE 17

29+50 CROSS SECTIONS 30+50

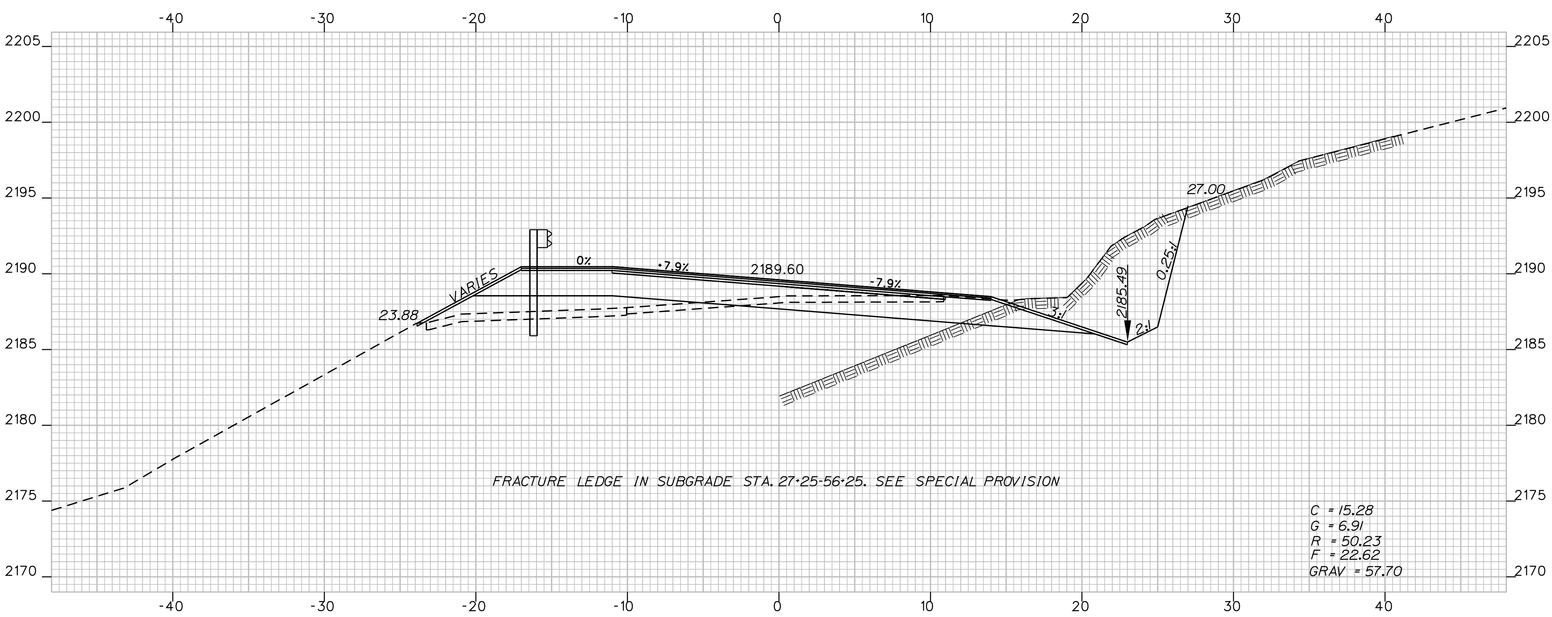
PROJ. MANAGER	H. COWAN	BY	DATE
DESIGN-DETAILED	S. AMOROSO	M. SHIBLES	6/4/10
CHECKED-REVIEWED			
DESIGN2-DETAILED2			
DESIGN3-DETAILED3			
REVISIONS 1			
REVISIONS 2			
REVISIONS 3			
REVISIONS 4			
FIELD CHANGES			

SIGNATURE
P.E. NUMBER
DATE

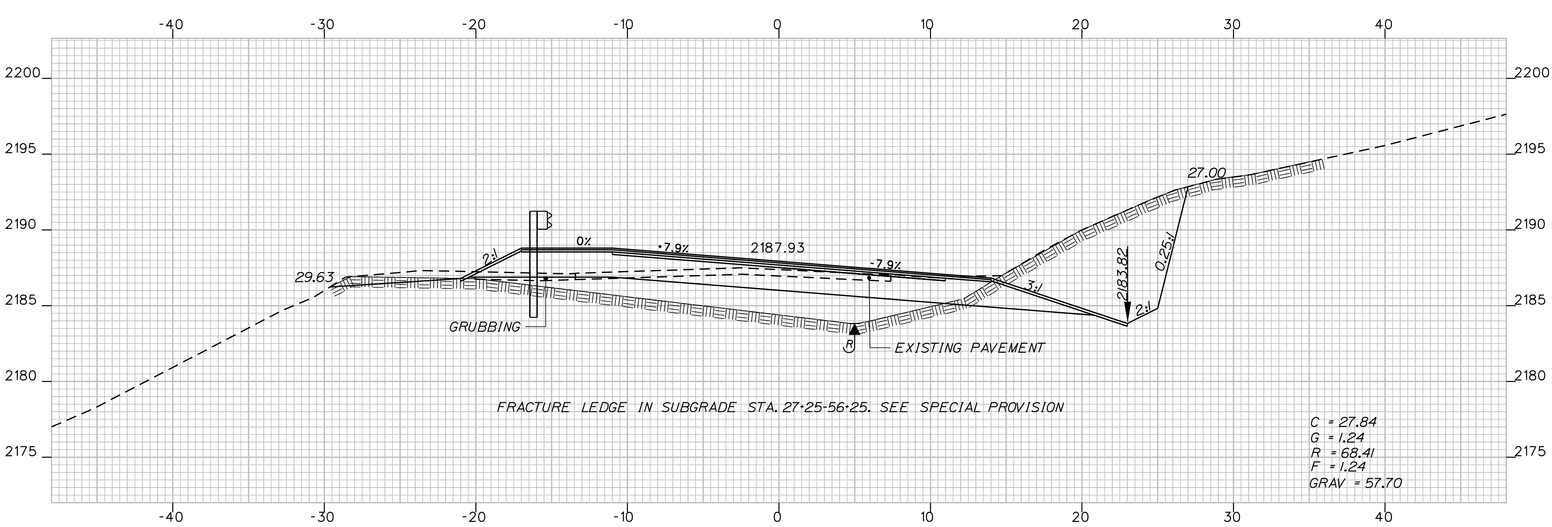
STATE OF MAINE
DEPARTMENT OF TRANSPORTATION
SB-ME-98(007)
PIN 8670.10
HIGHWAY PLANS



32+00.00



31+50.00



31+00.00

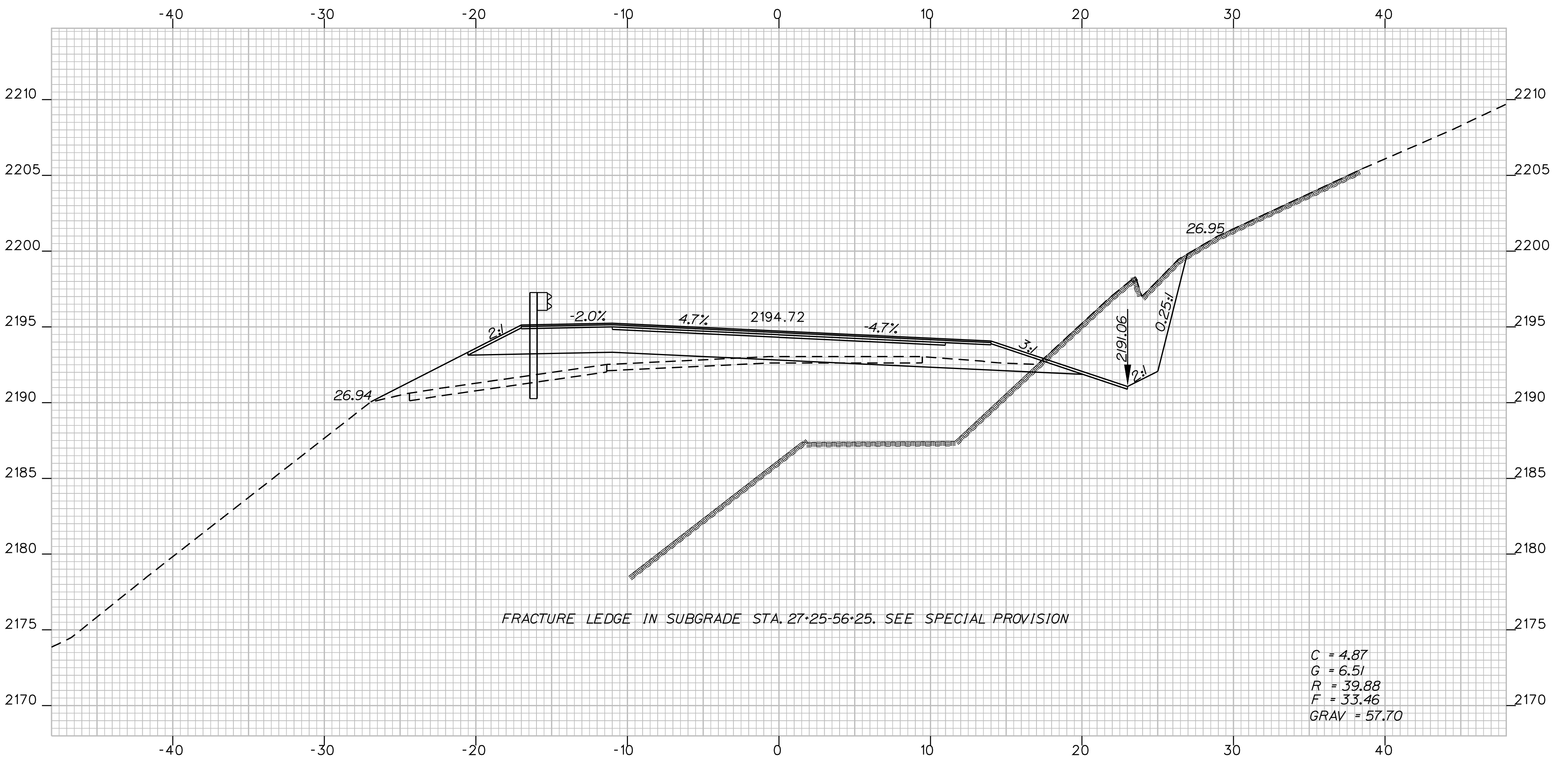
SHEET NUMBER 38 OF 74	TOWNSHIP D ROUTE 17	PROJ. MANAGER	H. COWAN	BY	DATE
		DESIGN-DETAILED	S. AMOROSO	M. SHIBLES	6/4/10
		CHECKED-REVIEWED			
		DESIGN2-DETAILED2			
		DESIGN3-DETAILED3			
		REVISIONS 1			
		REVISIONS 2			
		REVISIONS 3			
		REVISIONS 4			
		FIELD CHANGES			
	31+00 CROSS SECTIONS 32+00	SIGNATURE			
		P.E. NUMBER			
		DATE			

STATE OF MAINE
DEPARTMENT OF TRANSPORTATION

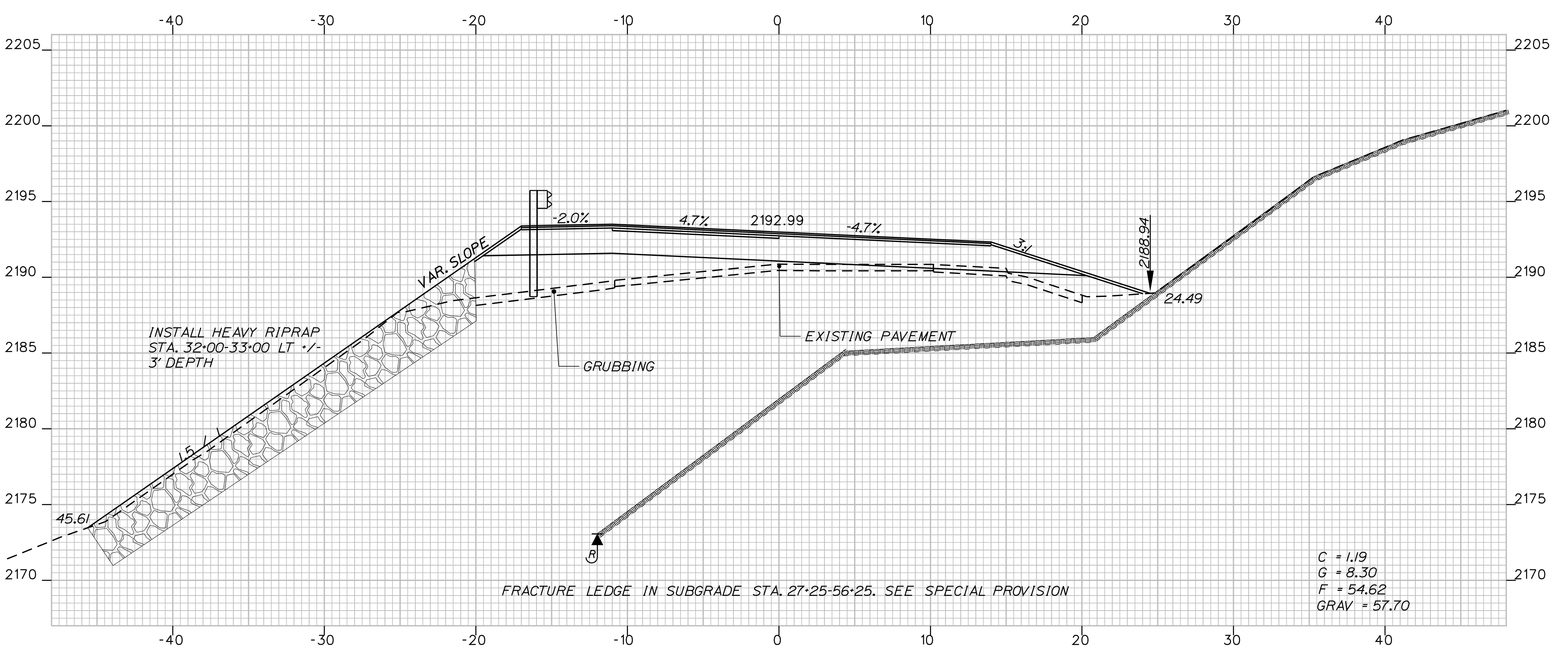
SB-ME-98(007)

PIN 8670.10

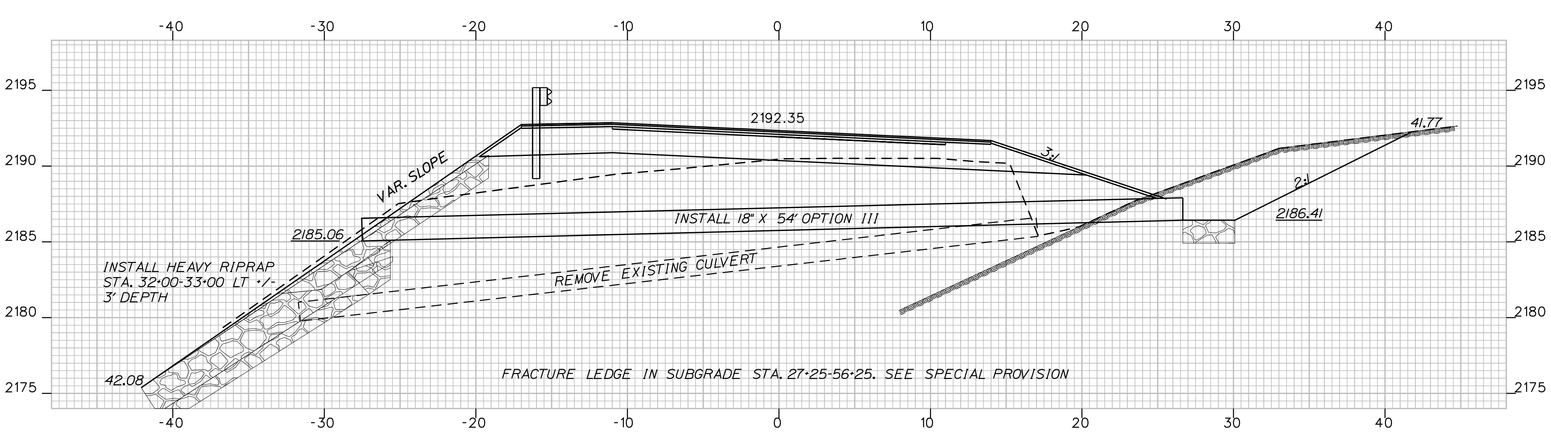
HIGHWAY PLANS



33+00.00



32+50.00



32+31.35

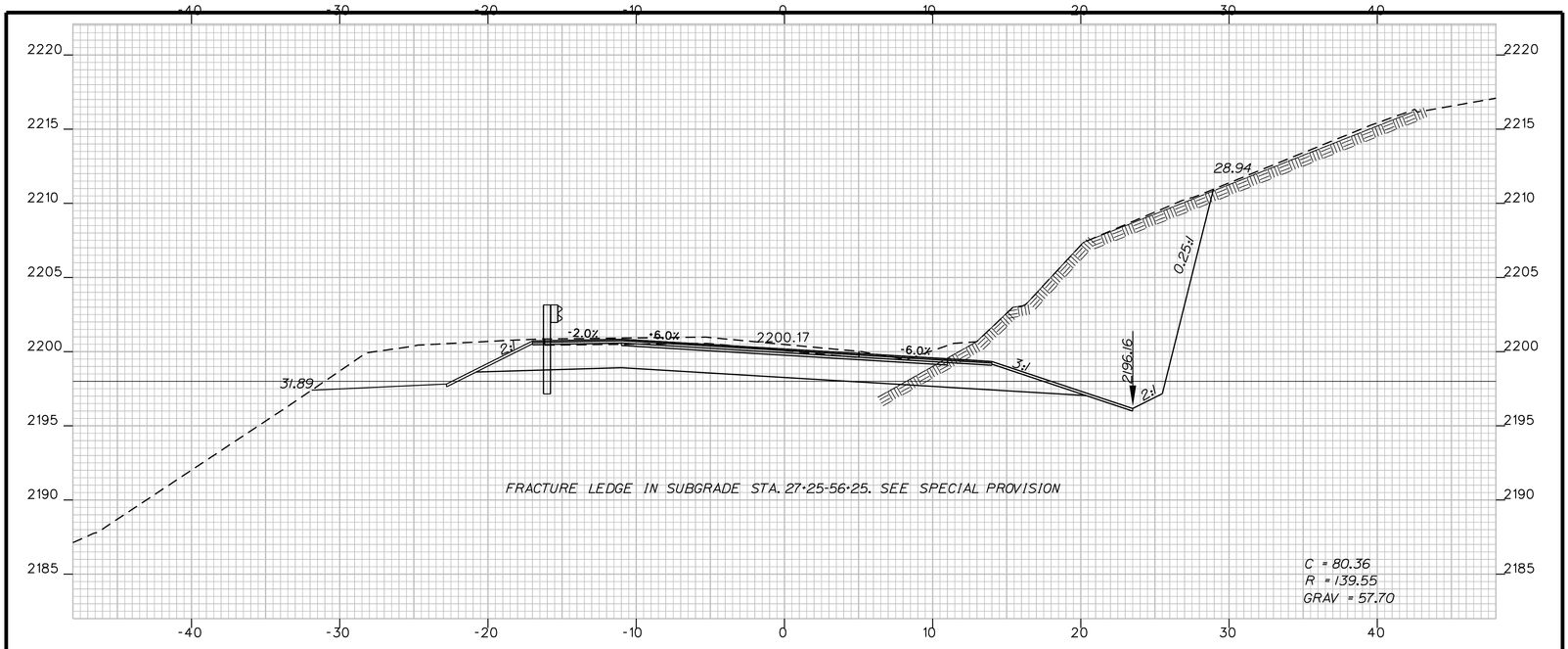
SHEET NUMBER 39 OF 74	TOWNSHIP D ROUTE 17	PROJ. MANAGER	H. COWAN	BY	DATE
		DESIGN-DETAILED	S. AMOROSO	M. SHIBLES	6/4/10
		CHECKED-REVIEWED			
		DESIGN2-DETAILED2			
		DESIGN3-DETAILED3			
		REVISIONS 1			
		REVISIONS 2			
		REVISIONS 3			
		REVISIONS 4			
		FIELD CHANGES			
	32+31 CROSS SECTIONS 33+00	SIGNATURE			
		P.E. NUMBER			
		DATE			

STATE OF MAINE
DEPARTMENT OF TRANSPORTATION

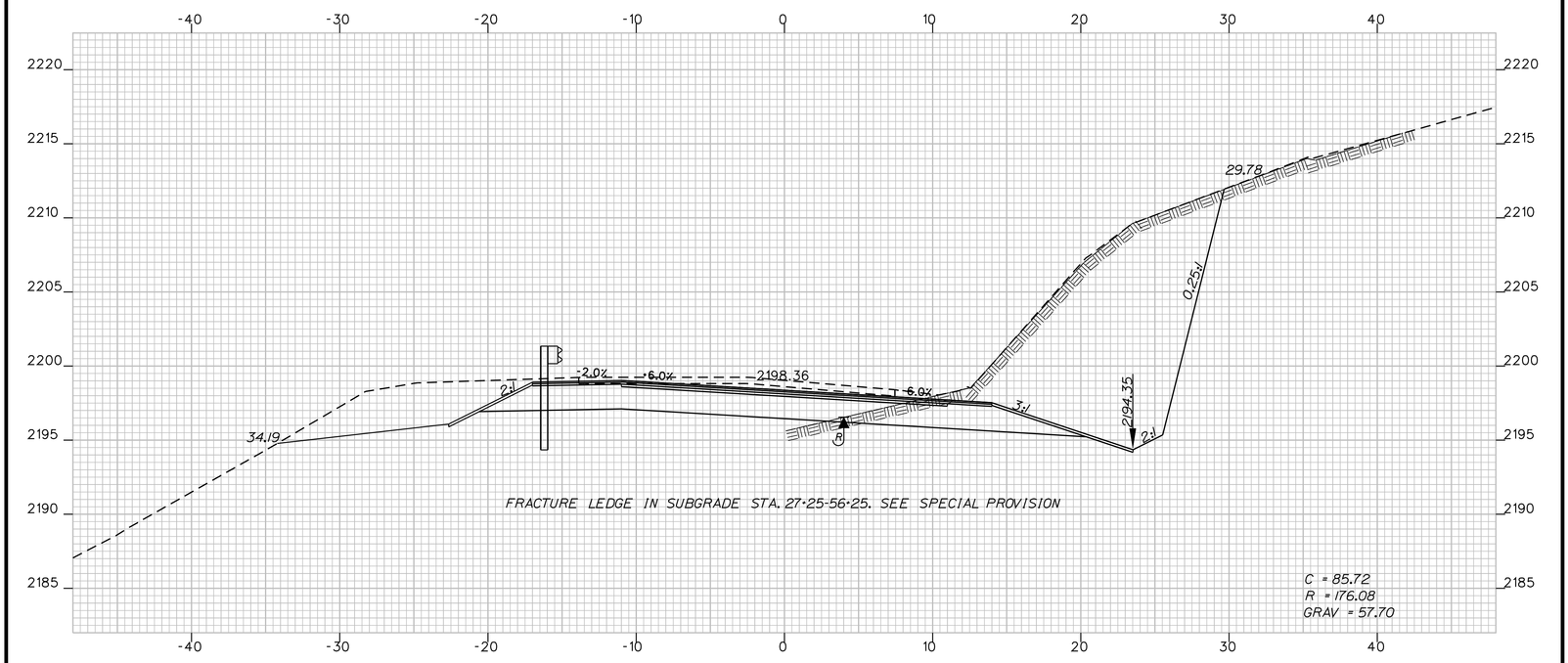
SB-ME-98(007)

PIN 8670.10

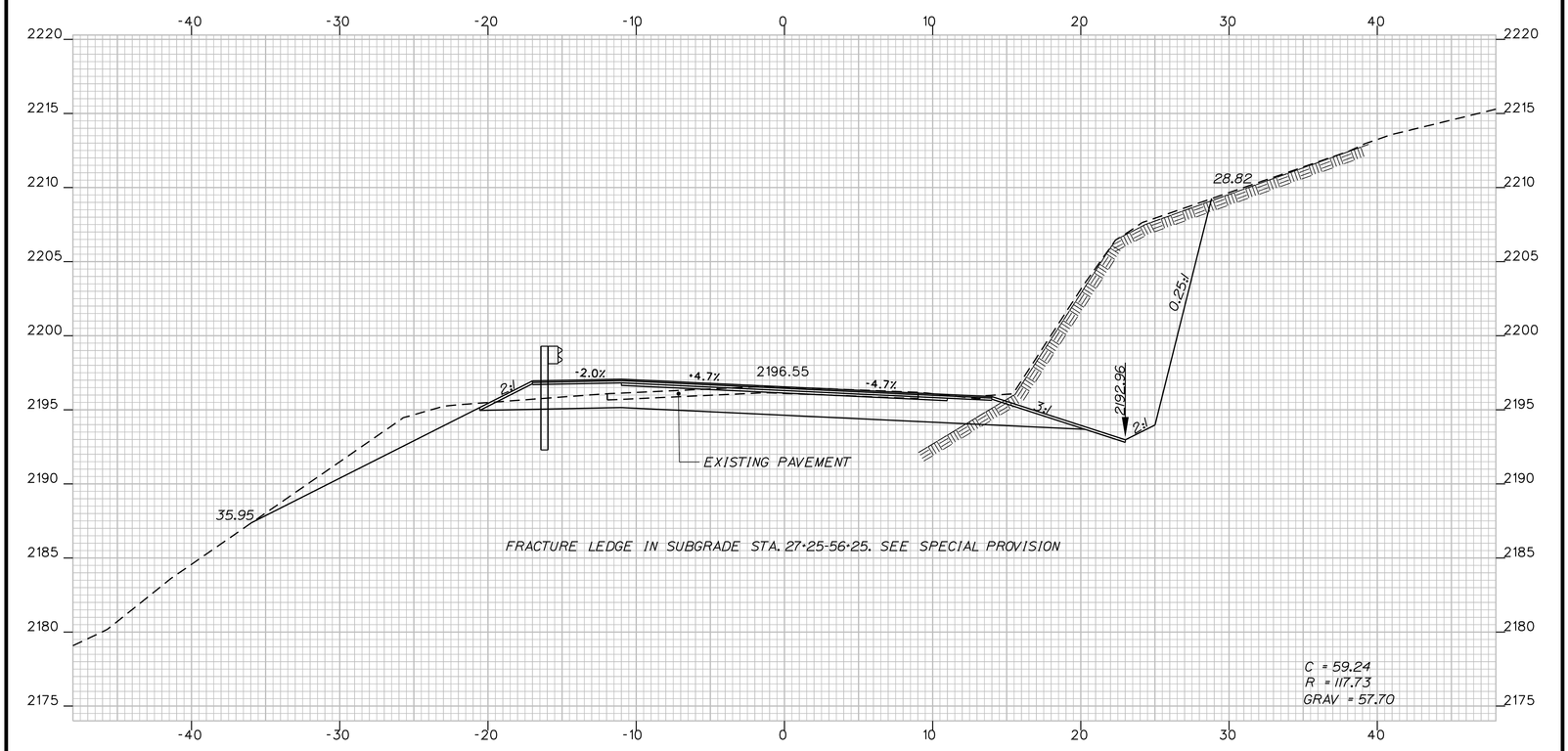
HIGHWAY PLANS



34+50.00



34+00.00



33+50.00

SHEET NUMBER 40 OF 74

TOWNSHIP D
ROUTE 17

33+50 CROSS SECTIONS 34+50

PROJ. MANAGER	H. COWAN	BY	DATE
DESIGN-DETAILED	S. AMOROSO	M. SHIBLES	6/4/10
CHECKED-REVIEWED			
DESIGN2-DETAILED2			
DESIGN3-DETAILED3			
REVISIONS 1			
REVISIONS 2			
REVISIONS 3			
REVISIONS 4			
FIELD CHANGES			

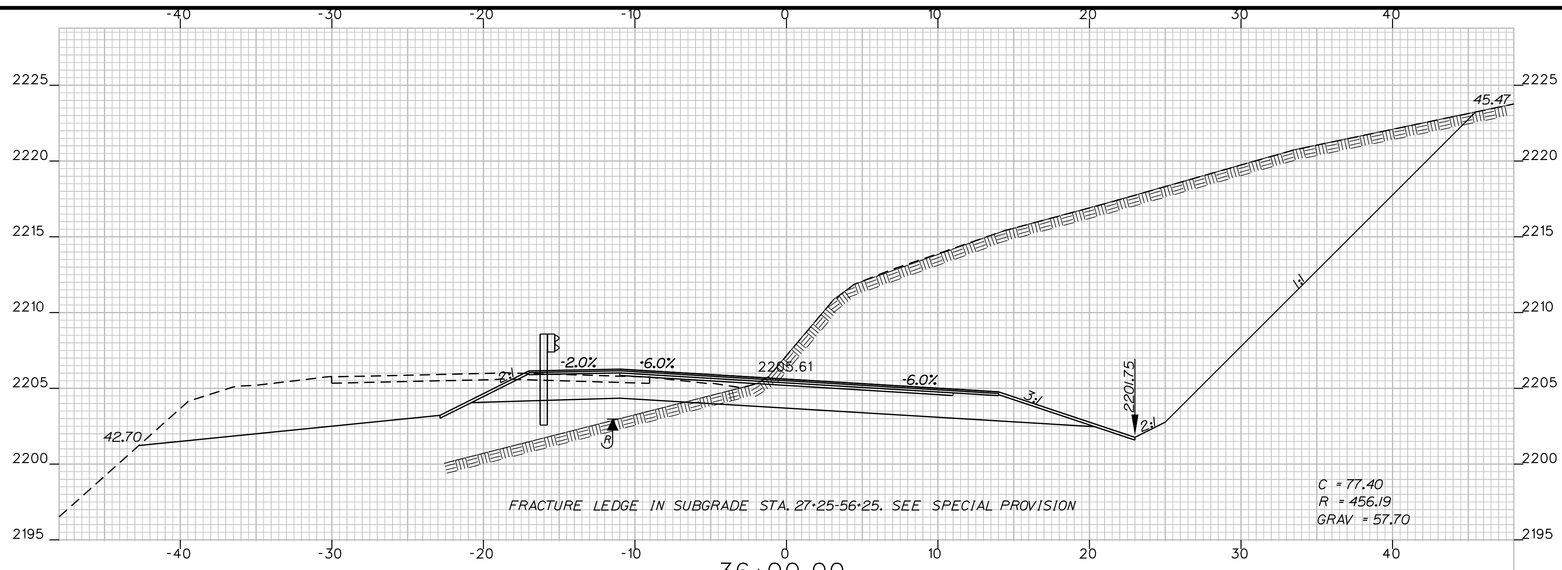
SIGNATURE
P.E. NUMBER
DATE

STATE OF MAINE
DEPARTMENT OF TRANSPORTATION

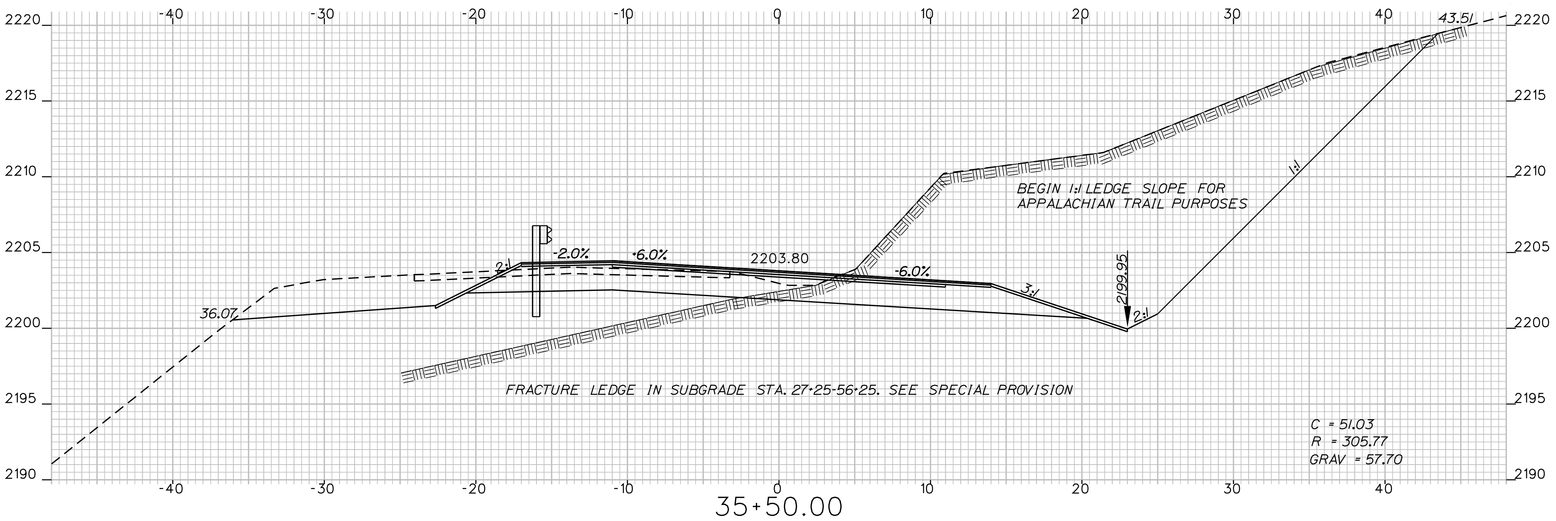
SB-ME-98(007)

PIN 8670.10

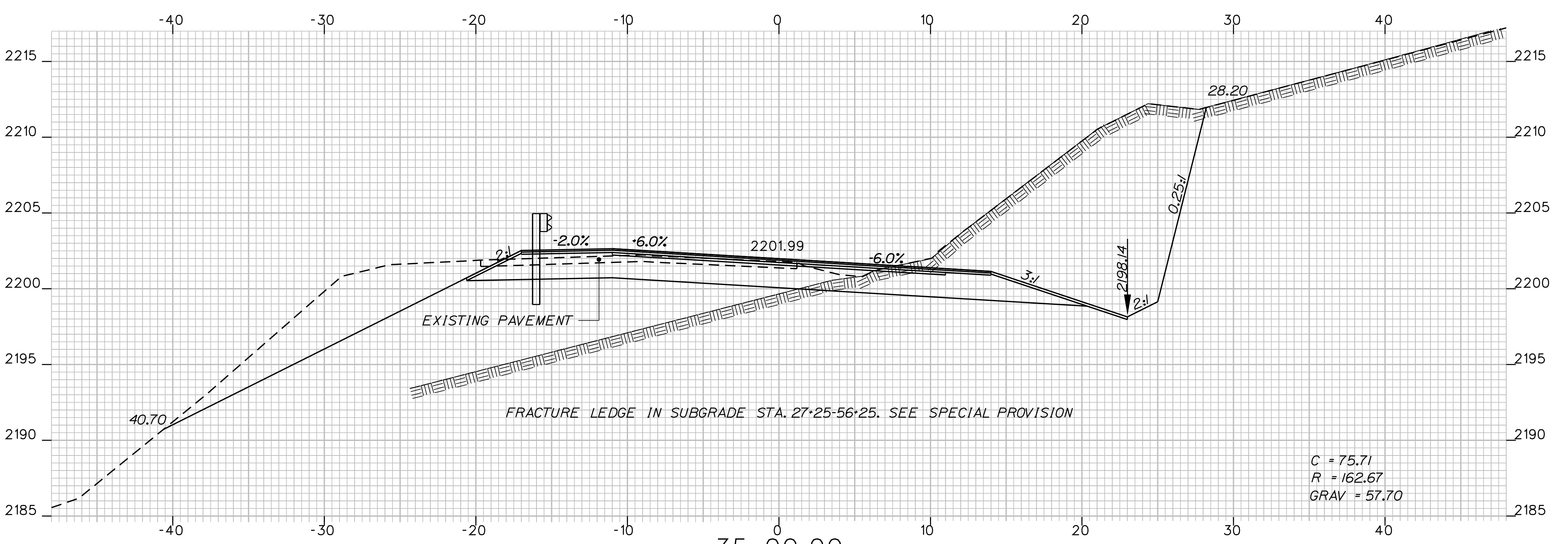
HIGHWAY PLANS



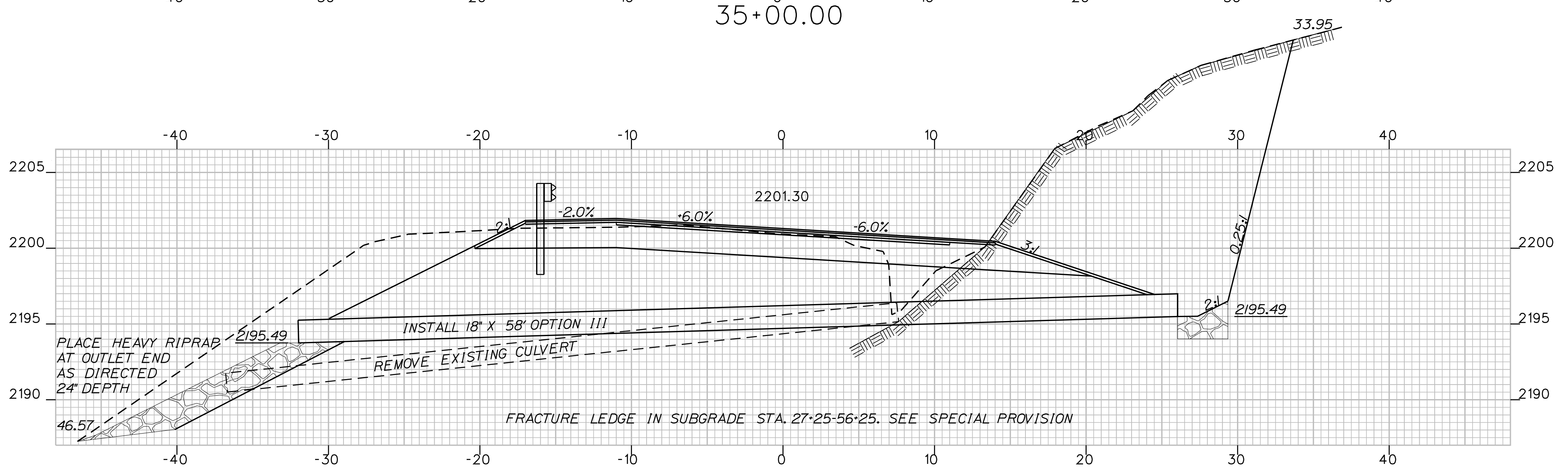
36+00.00



35+50.00



35+00.00



34+71.44

SHEET NUMBER 41 OF 74

TOWNSHIP D
ROUTE 17

34+71 CROSS SECTIONS 36+00

PROJ. MANAGER	H. COWAN	BY	DATE
DESIGN-DETAILED	S. AMOROSO	M. SHIBLES	6/4/10
CHECKED-REVIEWED			
DESIGN2-DETAILED2			
DESIGN3-DETAILED3			
REVISIONS 1			
REVISIONS 2			
REVISIONS 3			
REVISIONS 4			
FIELD CHANGES			

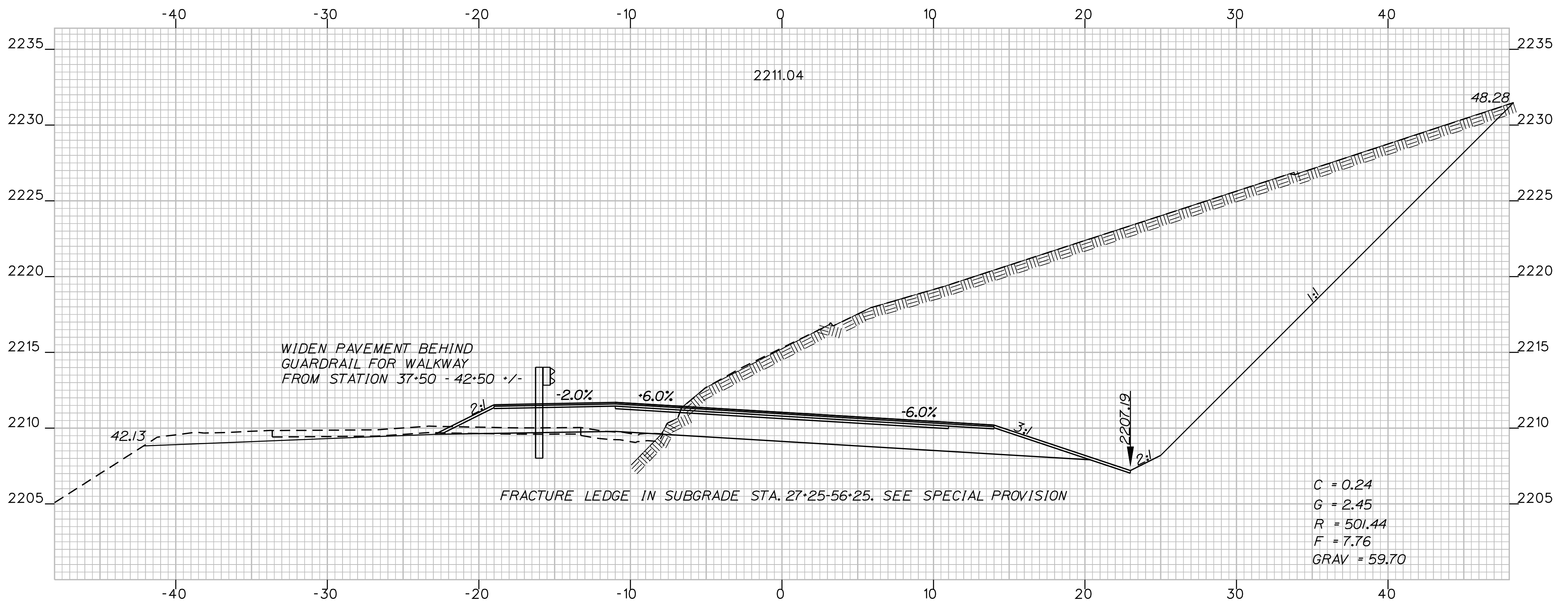
SIGNATURE
P.E. NUMBER
DATE

STATE OF MAINE
DEPARTMENT OF TRANSPORTATION

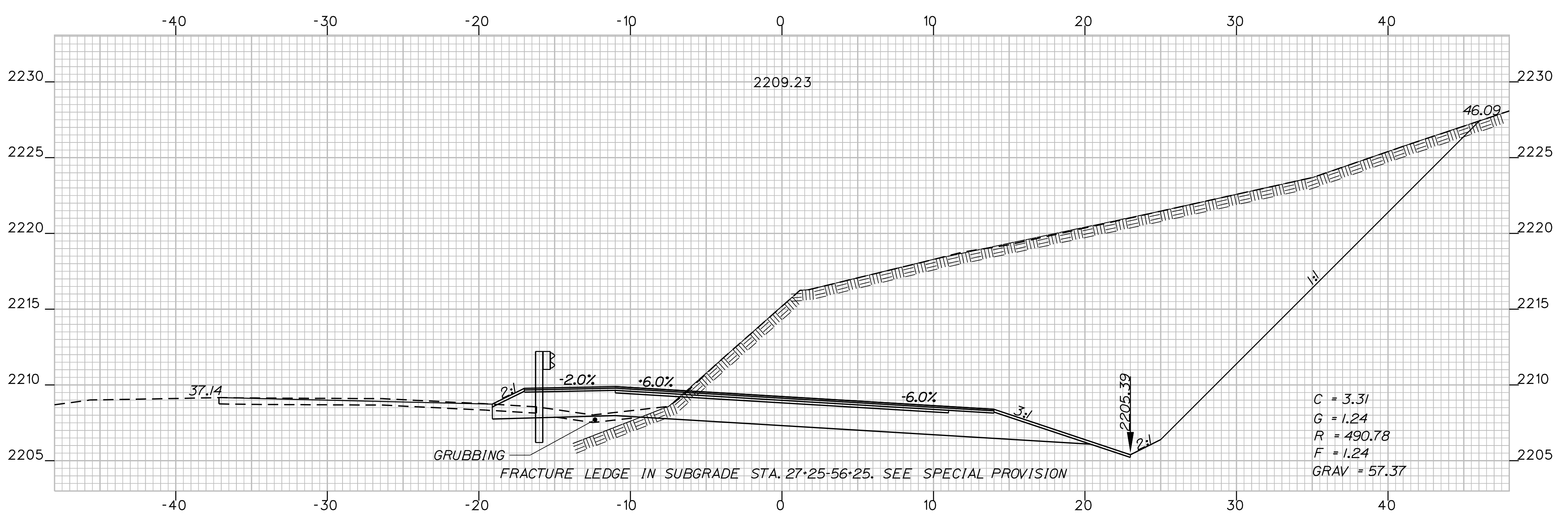
SB-ME-98(007)

PIN 8670.10

HIGHWAY PLANS

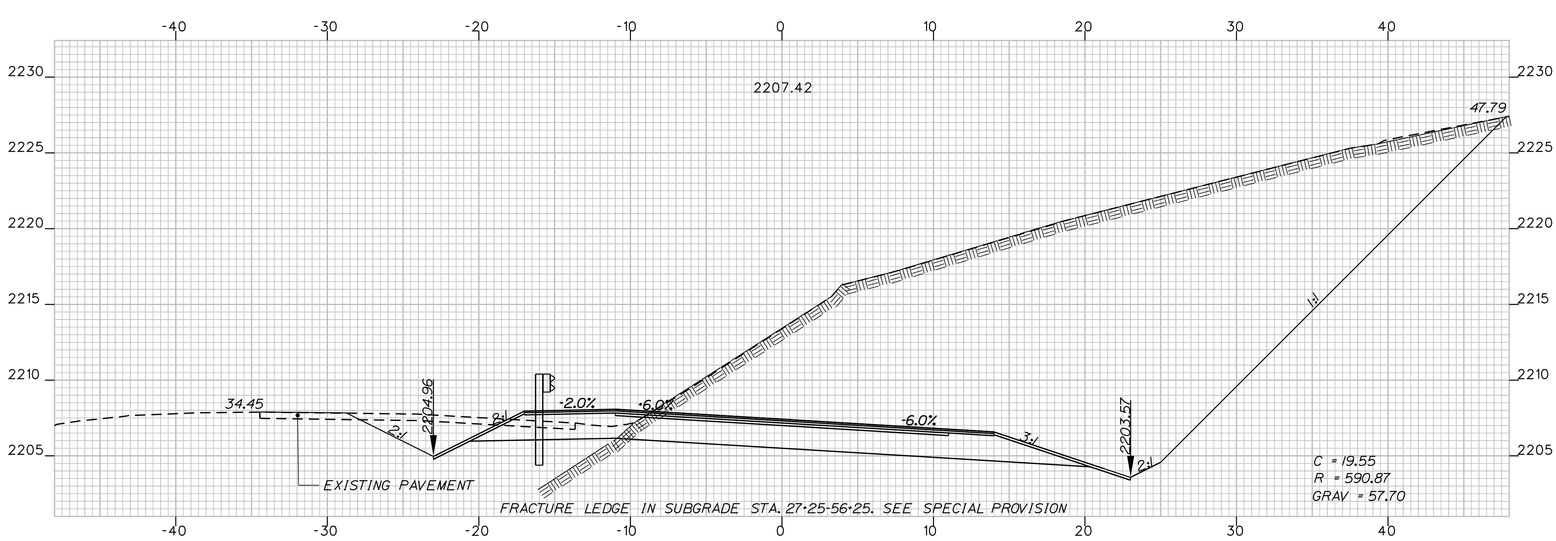


37+50.00



37+00.00

APPALACHIAN TRAIL CROSSING AT 36+75 +/-



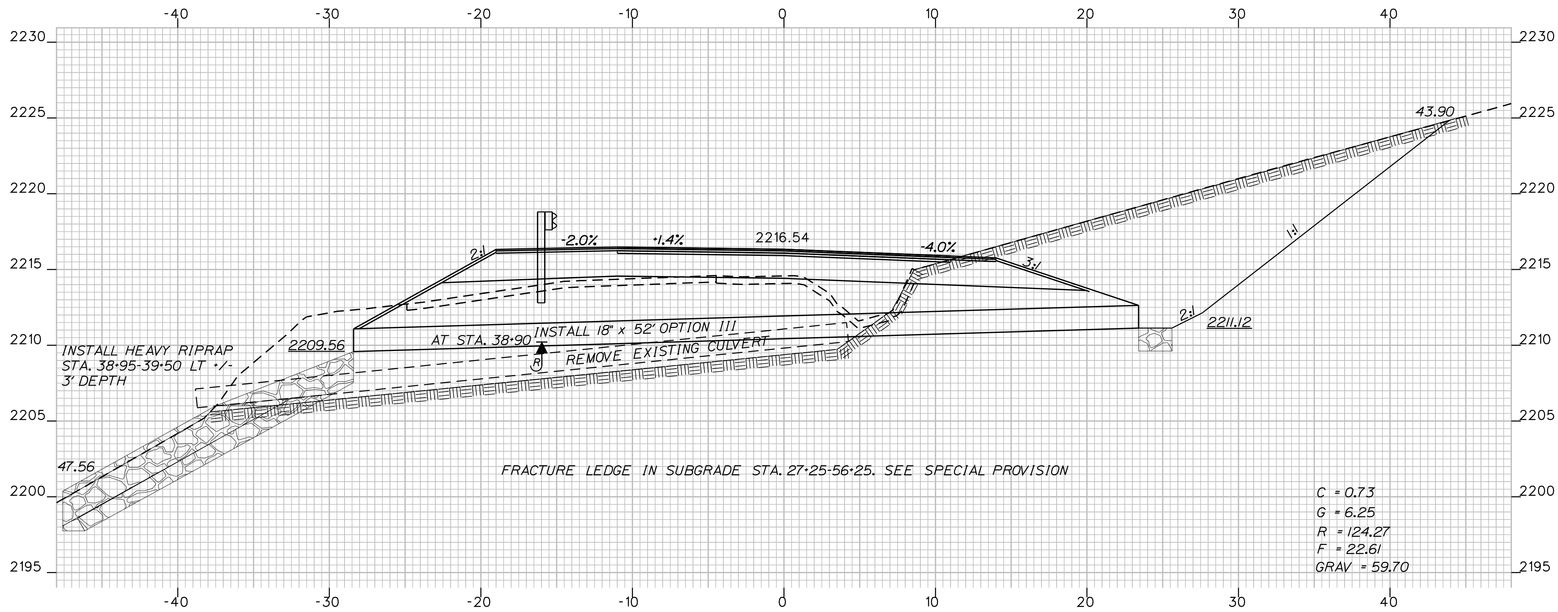
36+50.00

SHEET NUMBER 42 OF 74	TOWNSHIP D ROUTE 17	PROJ. MANAGER	H. COWAN	BY	DATE
		DESIGN-DETAILED	S. AMOROSO	M. SHIBLES	6/4/10
		CHECKED-REVIEWED			
		DESIGN2-DETAILED2			
		DESIGN3-DETAILED3			
		REVISIONS 1			
		REVISIONS 2			
		REVISIONS 3			
		REVISIONS 4			
		FIELD CHANGES			
	36+50 CROSS SECTIONS 37+50	SIGNATURE			
		P.E. NUMBER			
		DATE			

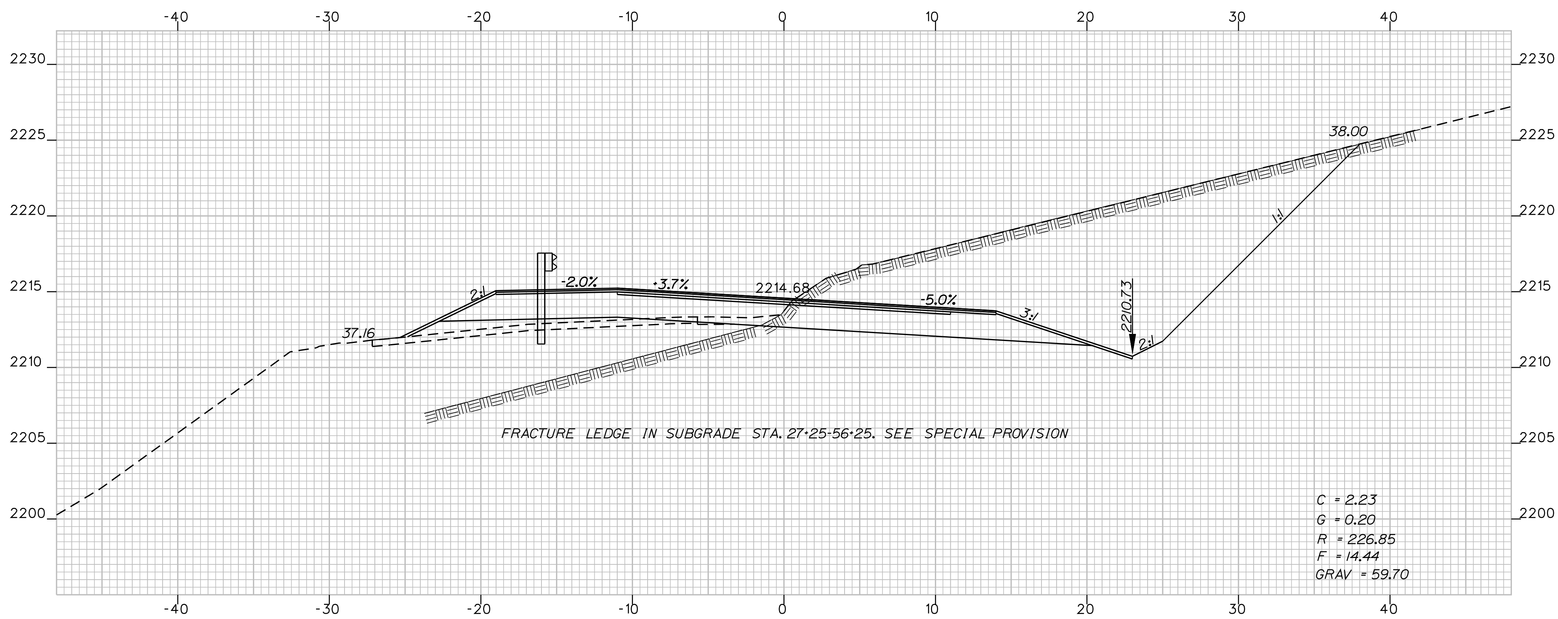
STATE OF MAINE
DEPARTMENT OF TRANSPORTATION

SB-ME-98(007)

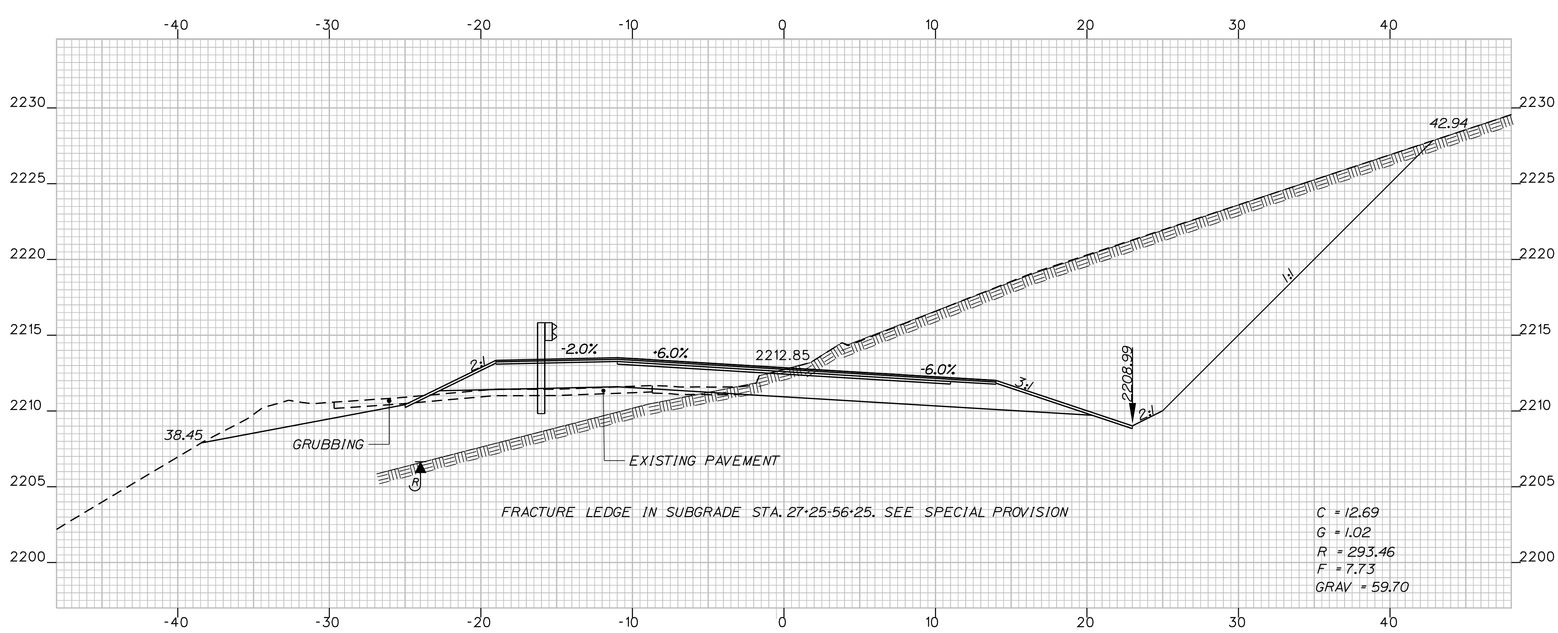
PIN 8670.10 HIGHWAY PLANS



39+00.00



38+50.00



38+00.00

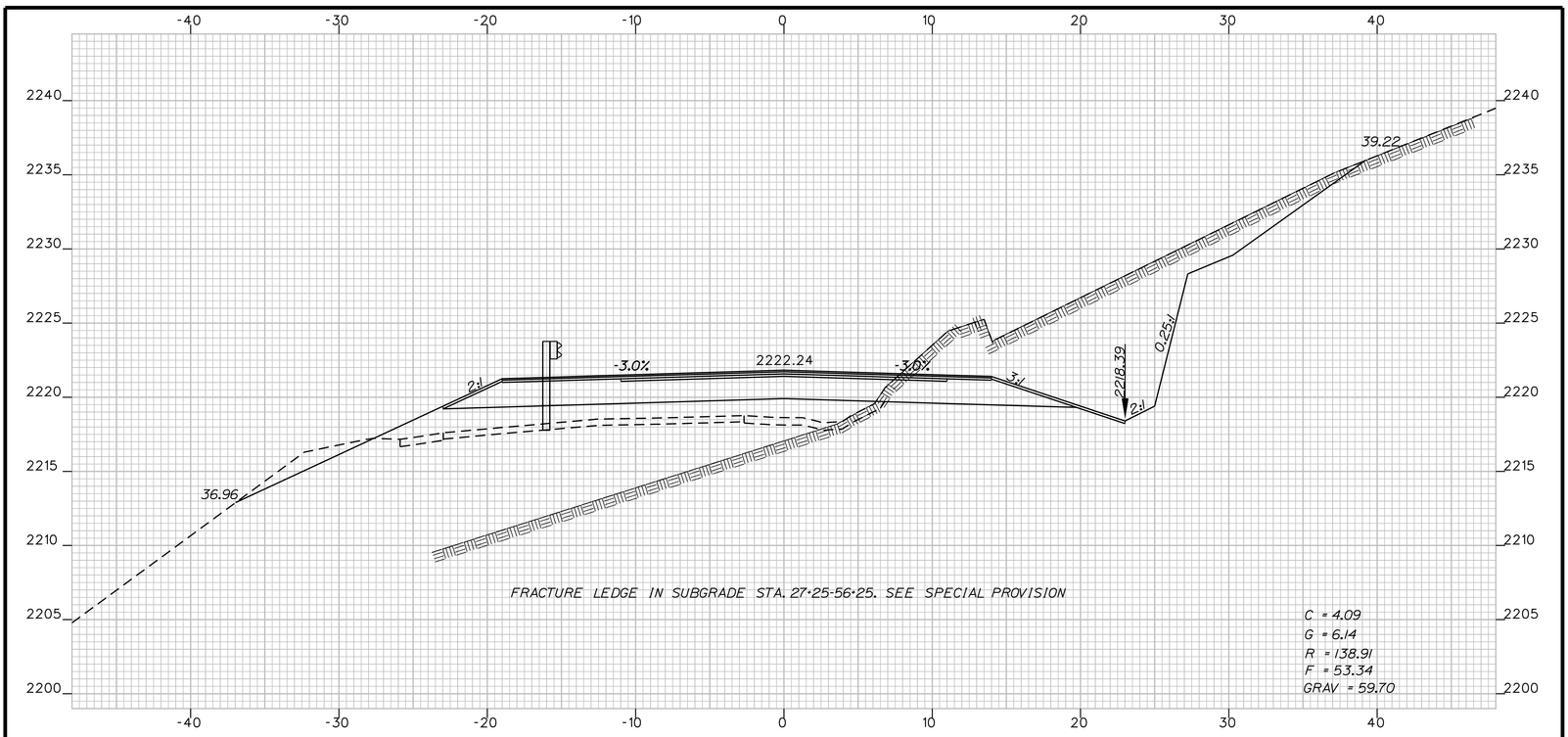
SHEET NUMBER 43 OF 74	TOWNSHIP D ROUTE 17	PROJ. MANAGER	H. COWAN	BY	DATE
		DESIGN-DETAILED	S. AMOROSO	M. SHIBLES	6/4/10
		CHECKED-REVIEWED			
		DESIGN2-DETAILED2			
		DESIGN3-DETAILED3			
		REVISIONS 1			
		REVISIONS 2			
		REVISIONS 3			
		REVISIONS 4			
		FIELD CHANGES			
	38+00 CROSS SECTIONS 39+00	SIGNATURE			
		P.E. NUMBER			
		DATE			

STATE OF MAINE
DEPARTMENT OF TRANSPORTATION

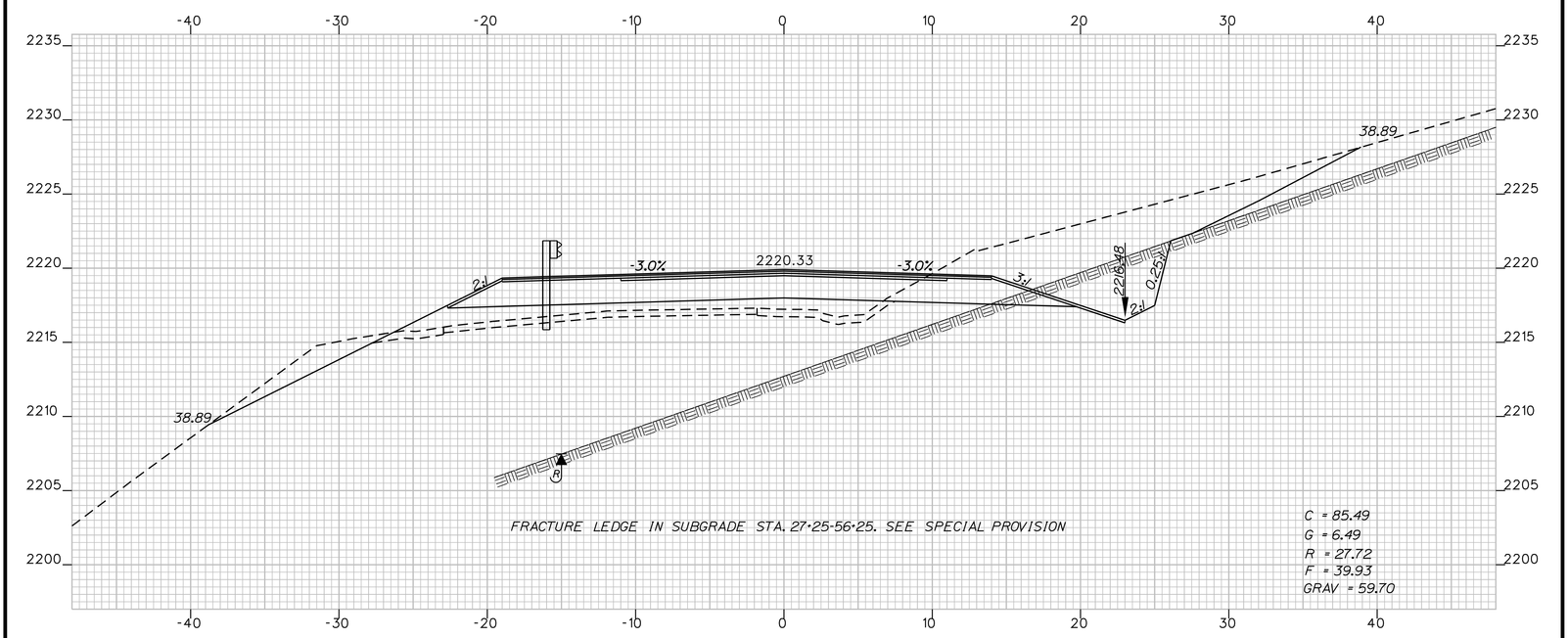
SB-ME-98(007)

PIN 8670.10

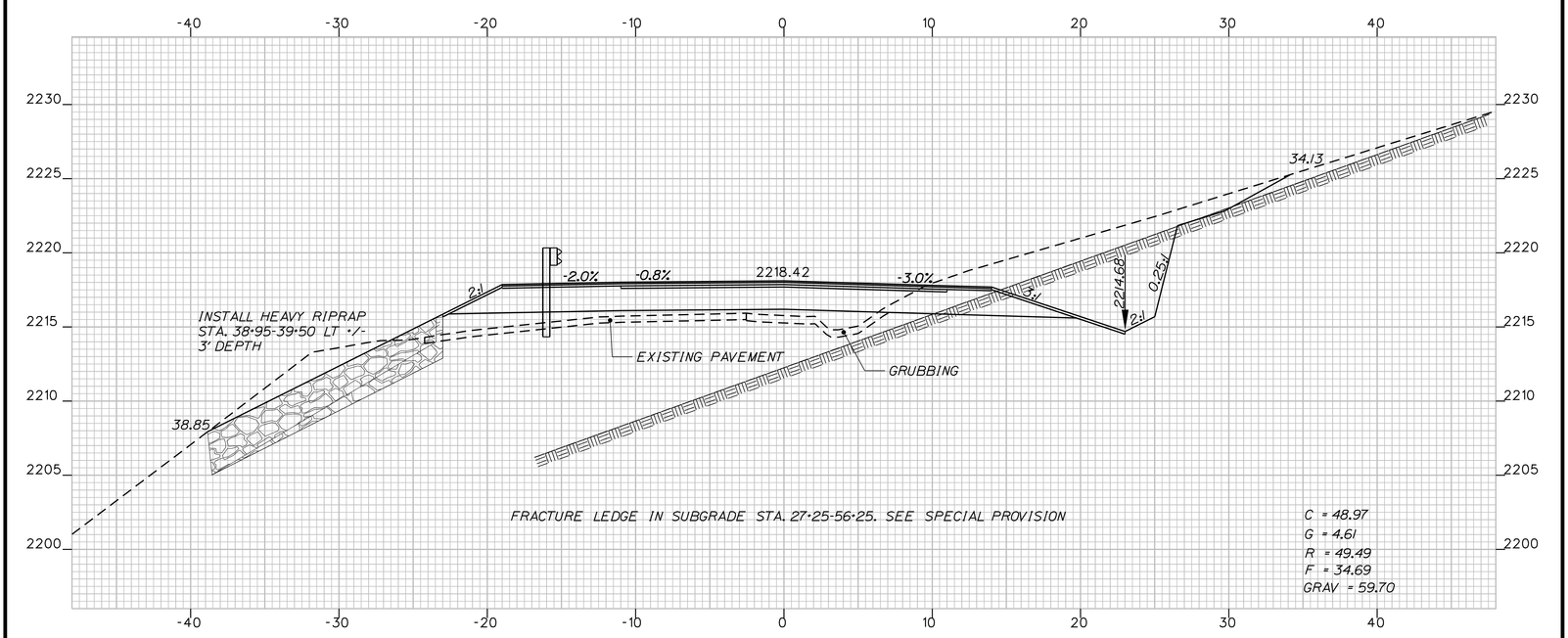
HIGHWAY PLANS



40+50.00



40+00.00



39+50.00

SHEET NUMBER 44 OF 74

TOWNSHIP D
ROUTE 17

39+50 CROSS SECTIONS 40+50

PROJ. MANAGER	H. COWAN	BY	DATE
DESIGN-DETAILED	S. AMOROSO	M. SHIBLES	6/4/10
CHECKED-REVIEWED			
DESIGN2-DETAILED2			
DESIGN3-DETAILED3			
REVISIONS 1			
REVISIONS 2			
REVISIONS 3			
REVISIONS 4			
FIELD CHANGES			

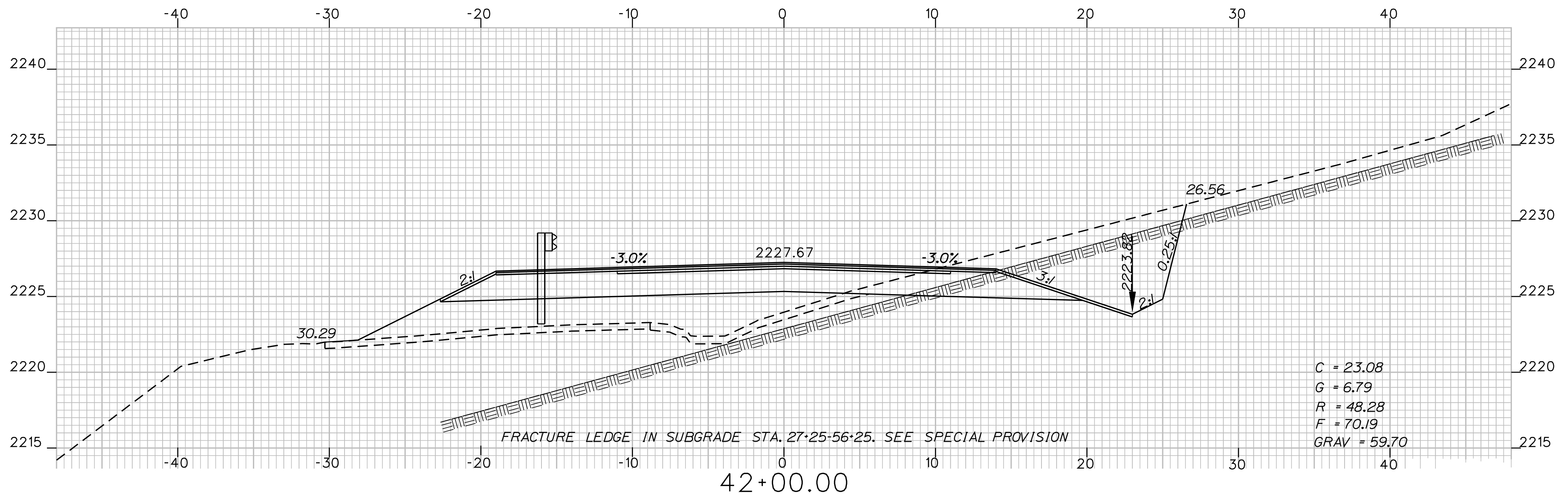
SIGNATURE
P.E. NUMBER
DATE

STATE OF MAINE
DEPARTMENT OF TRANSPORTATION

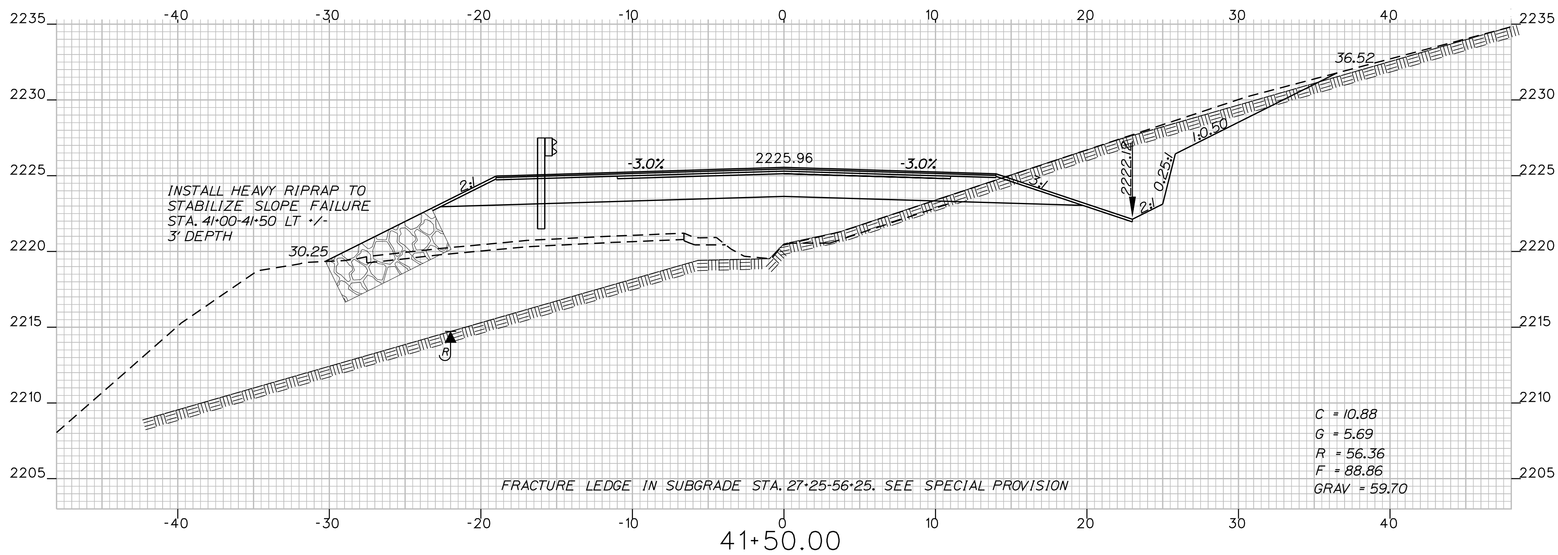
SB-ME-98(007)

PIN 8670.10

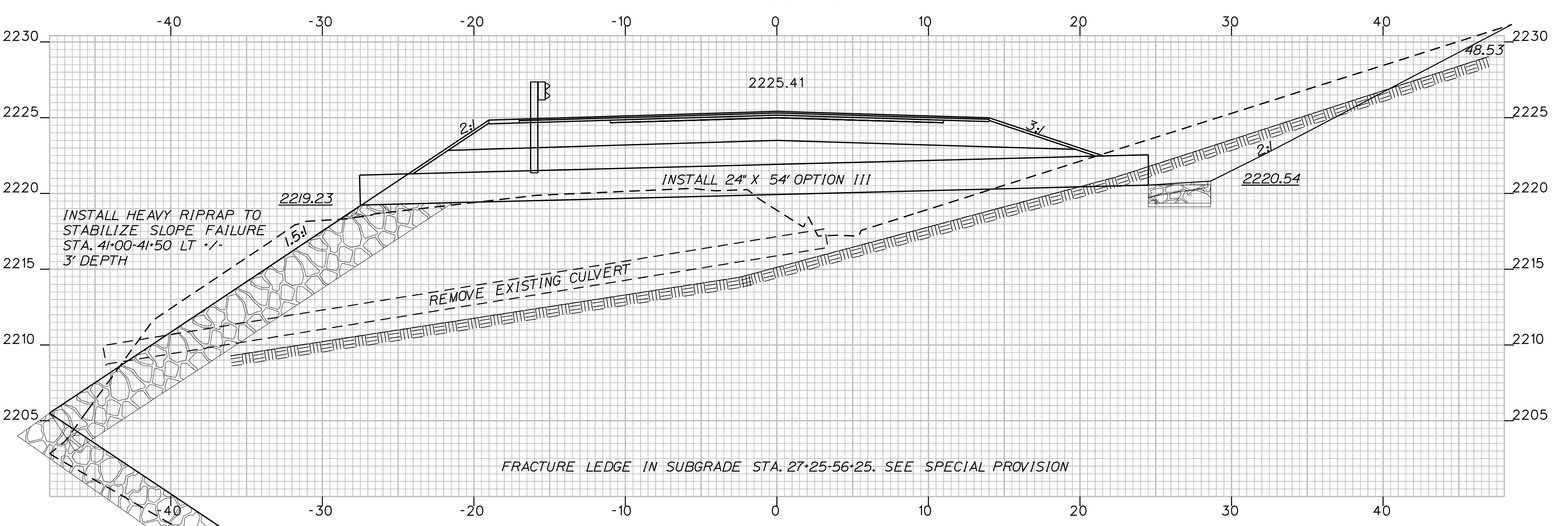
HIGHWAY PLANS



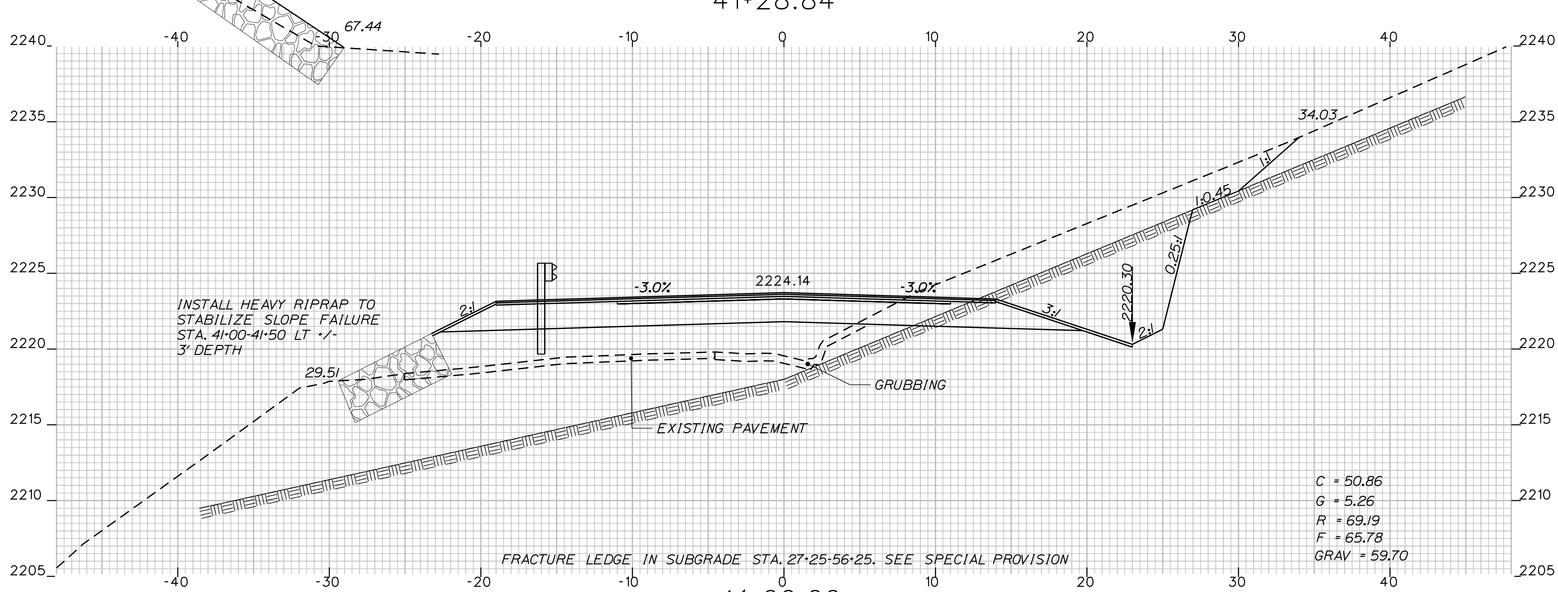
42+00.00



41+50.00



41+28.84



41+00.00

SHEET NUMBER 45 OF 74

TOWNSHIP D
ROUTE 17

41+00 CROSS SECTIONS 42+00

PROJ. MANAGER	H. COWAN	BY	DATE
DESIGN-DETAILED	S. AMOROSO	M. SHIBLES	6/4/10
CHECKED-REVIEWED			
DESIGN2-DETAILED2			
DESIGN3-DETAILED3			
REVISIONS 1			
REVISIONS 2			
REVISIONS 3			
REVISIONS 4			
FIELD CHANGES			

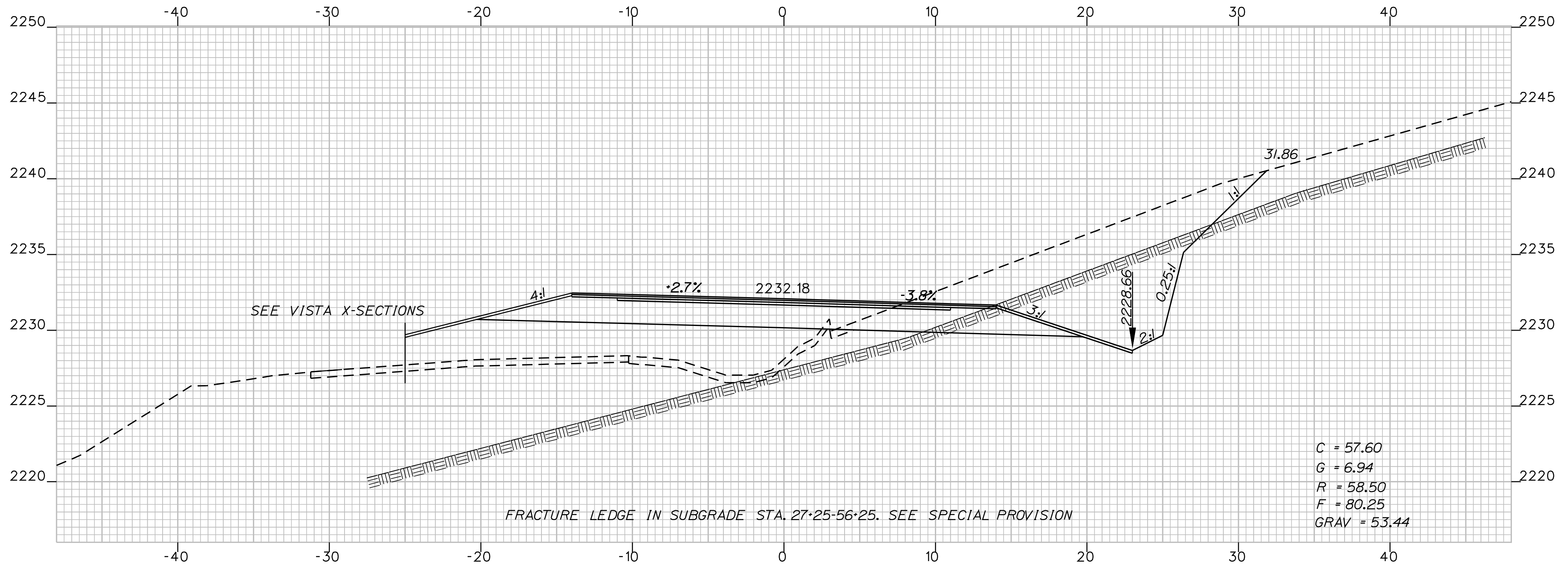
SIGNATURE
P.E. NUMBER
DATE

STATE OF MAINE
DEPARTMENT OF TRANSPORTATION

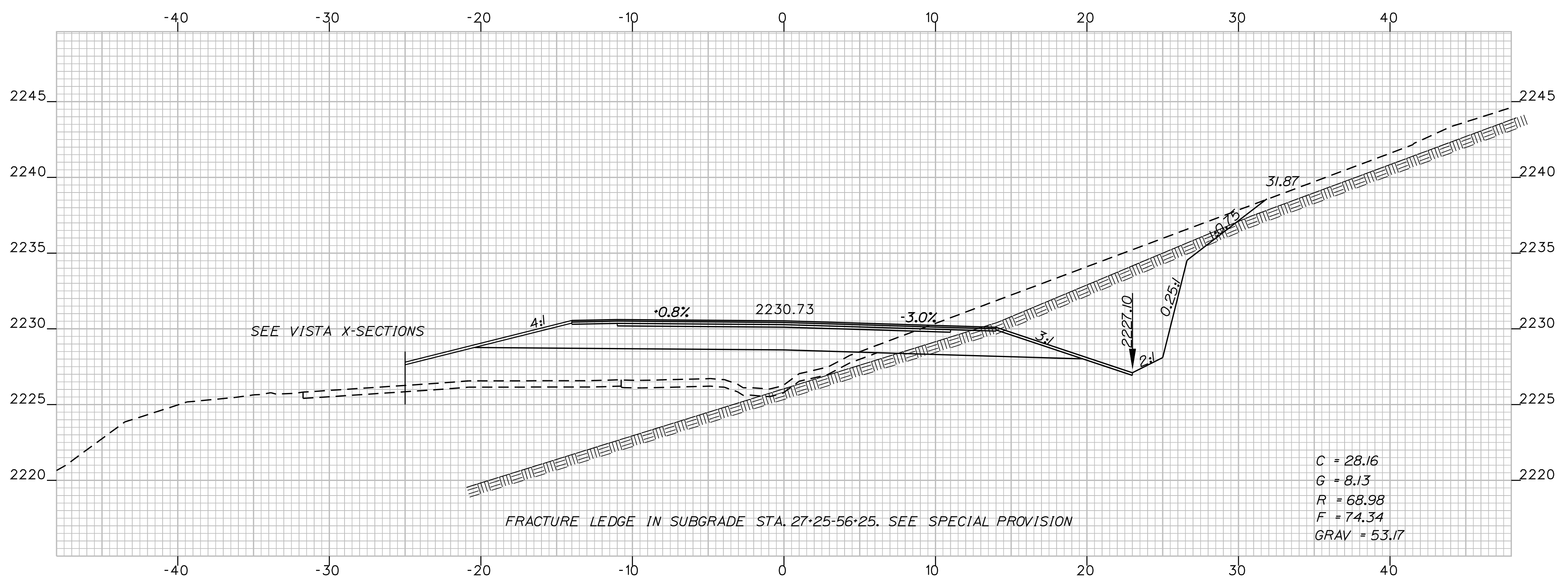
SB-ME-98(007)

PIN 8670.10

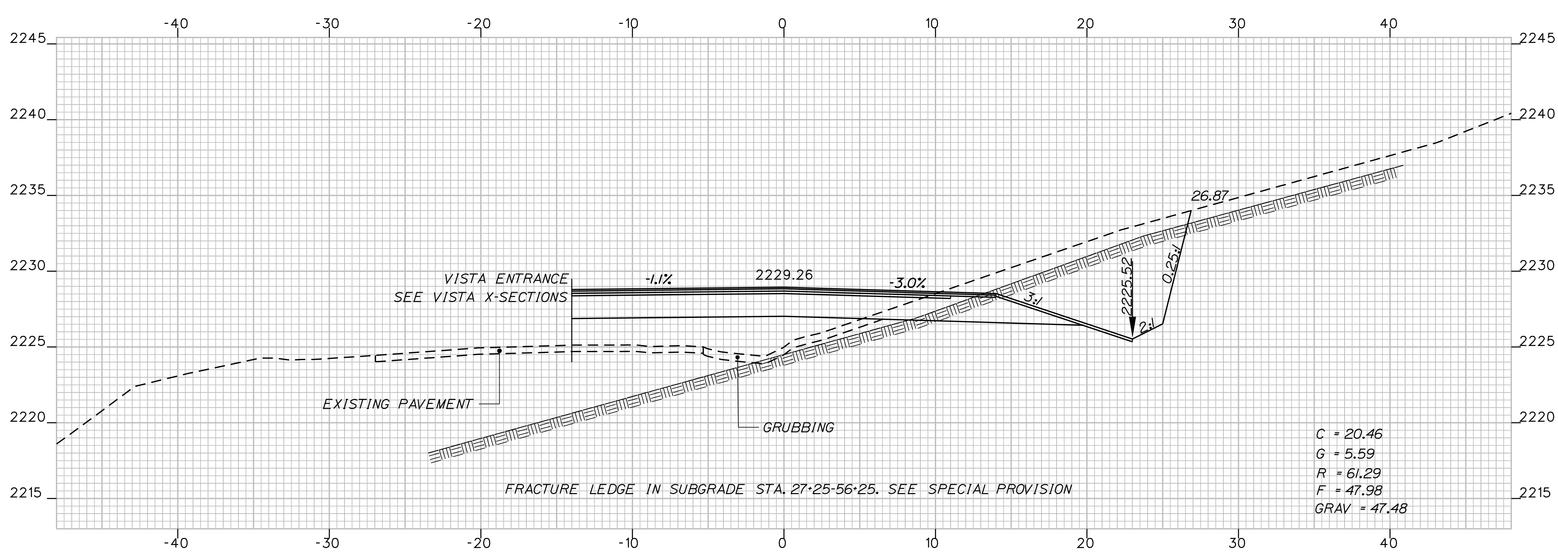
HIGHWAY PLANS



43+50.00



43+00.00



42+50.00

SHEET NUMBER 46 OF 74

TOWNSHIP D
ROUTE 17

42+50 CROSS SECTIONS 43+50

PROJ. MANAGER	H. COWAN	BY	DATE
DESIGN-DETAILED	S. AMOROSO	M. SHIBLES	6/4/10
CHECKED-REVIEWED			
DESIGN2-DETAILED2			
DESIGN3-DETAILED3			
REVISIONS 1			
REVISIONS 2			
REVISIONS 3			
REVISIONS 4			
FIELD CHANGES			

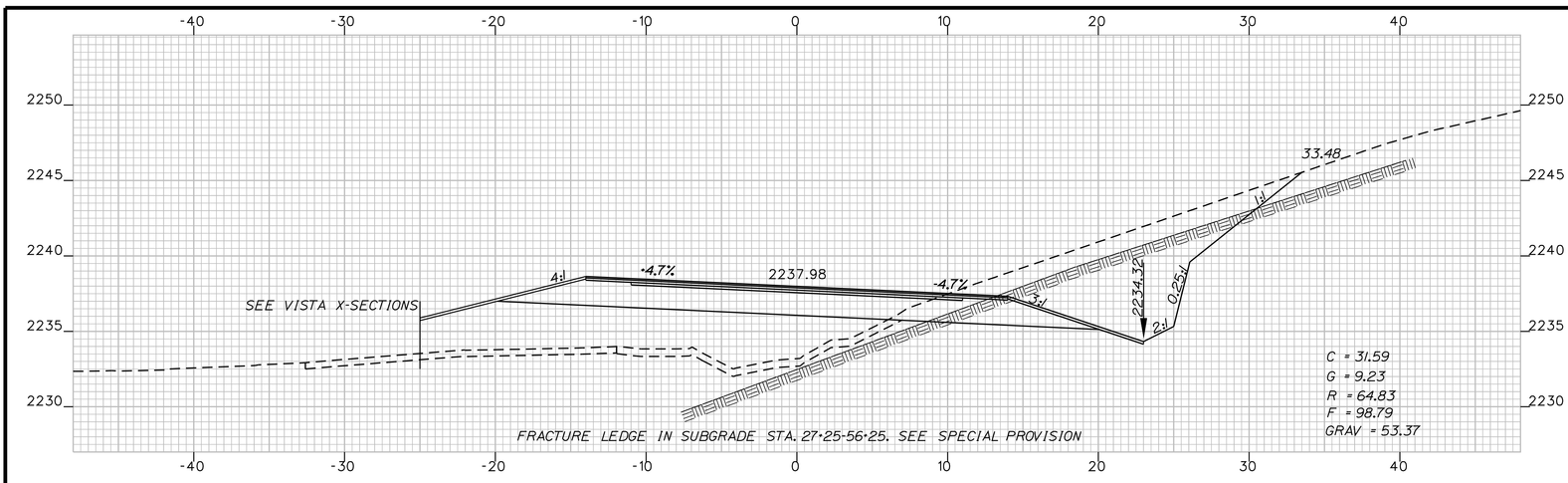
SIGNATURE
P.E. NUMBER
DATE

STATE OF MAINE
DEPARTMENT OF TRANSPORTATION

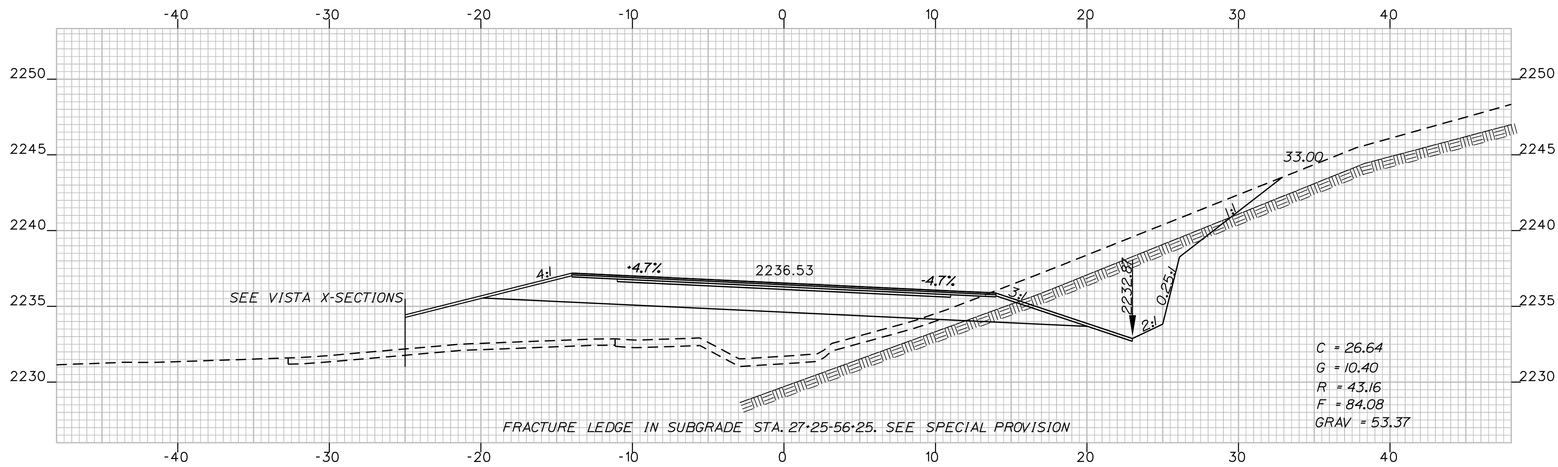
SB-ME-98(007)

PIN 8670.10

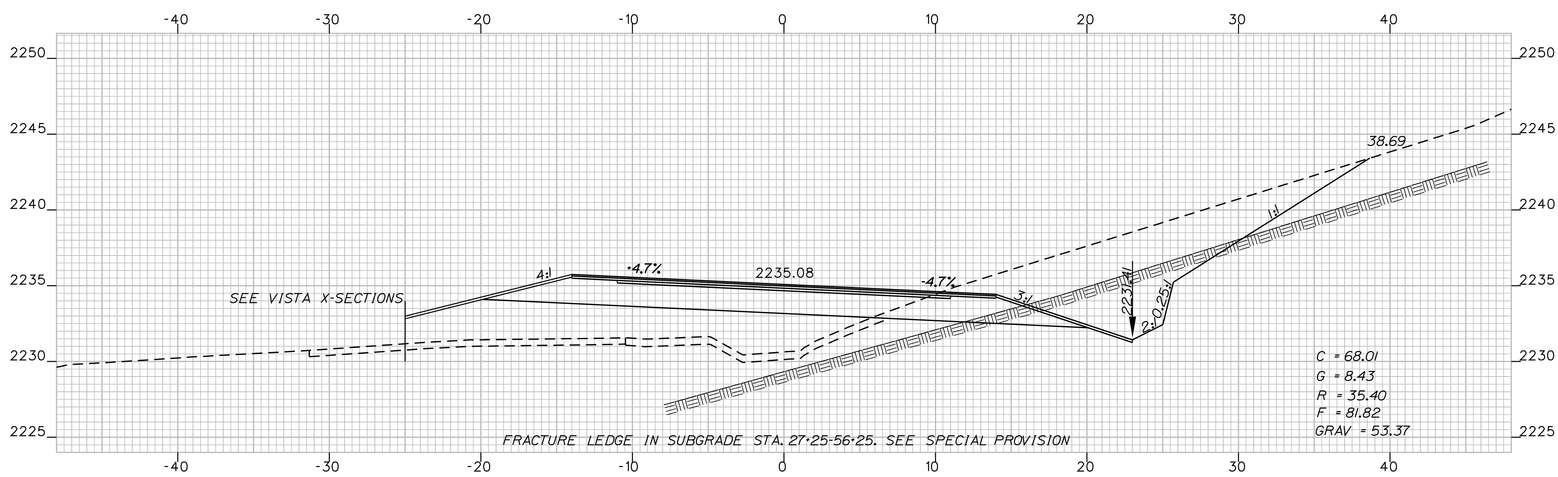
HIGHWAY PLANS



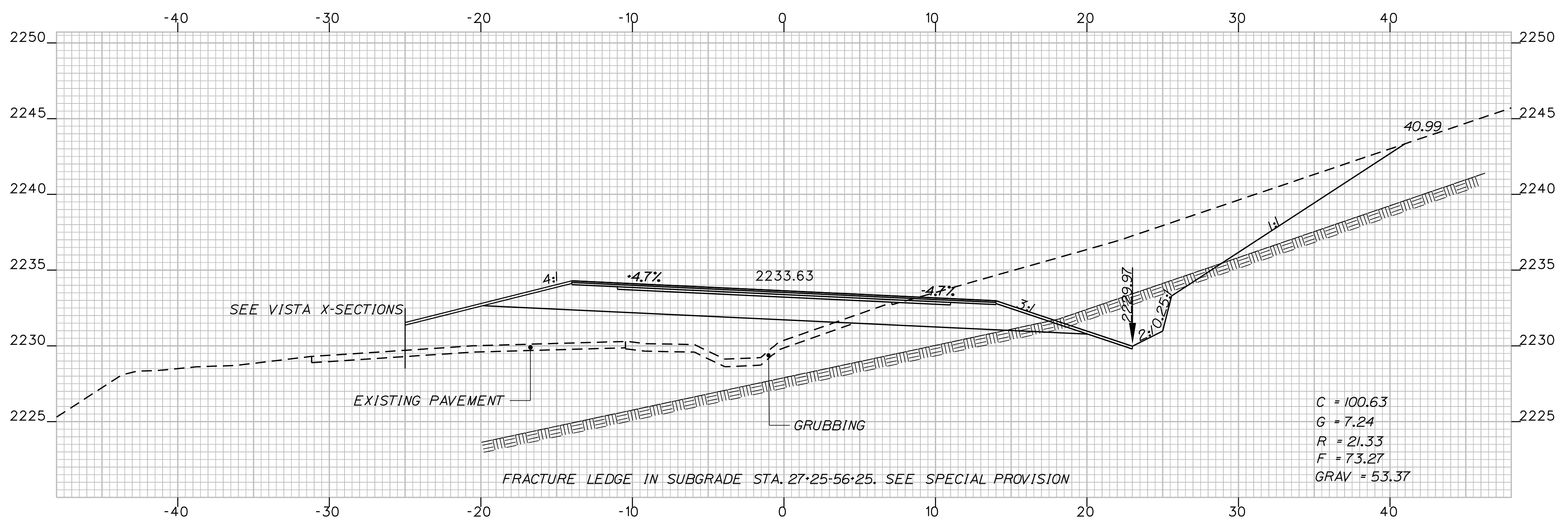
45+50.00



45+00.00



44+50.00



44+00.00

SHEET NUMBER 47 OF 74

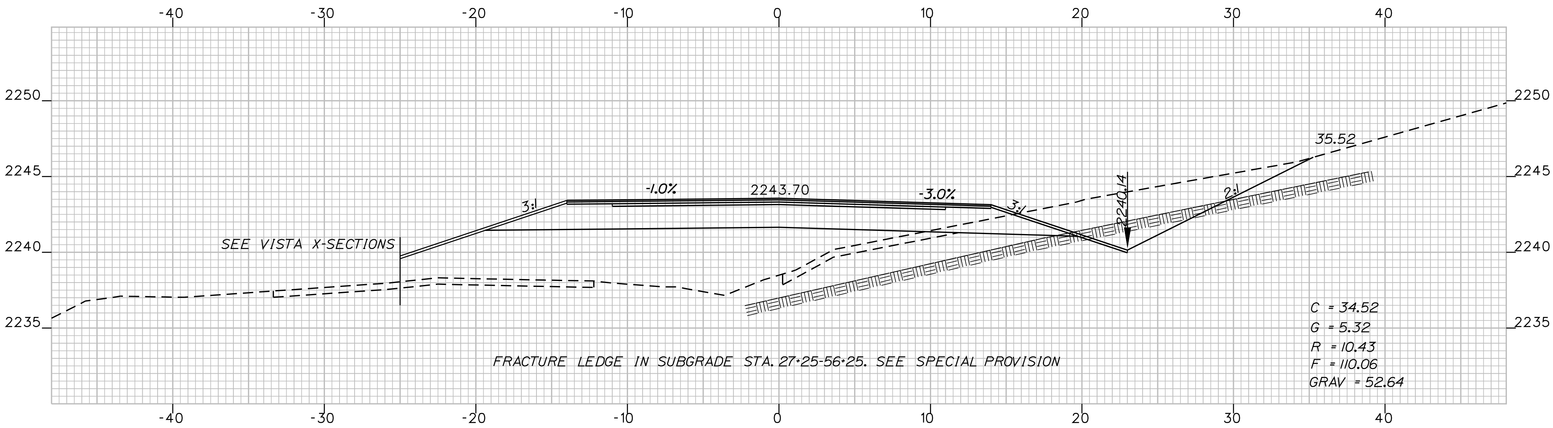
TOWNSHIP D
ROUTE 17

44+00 CROSS SECTIONS 45+50

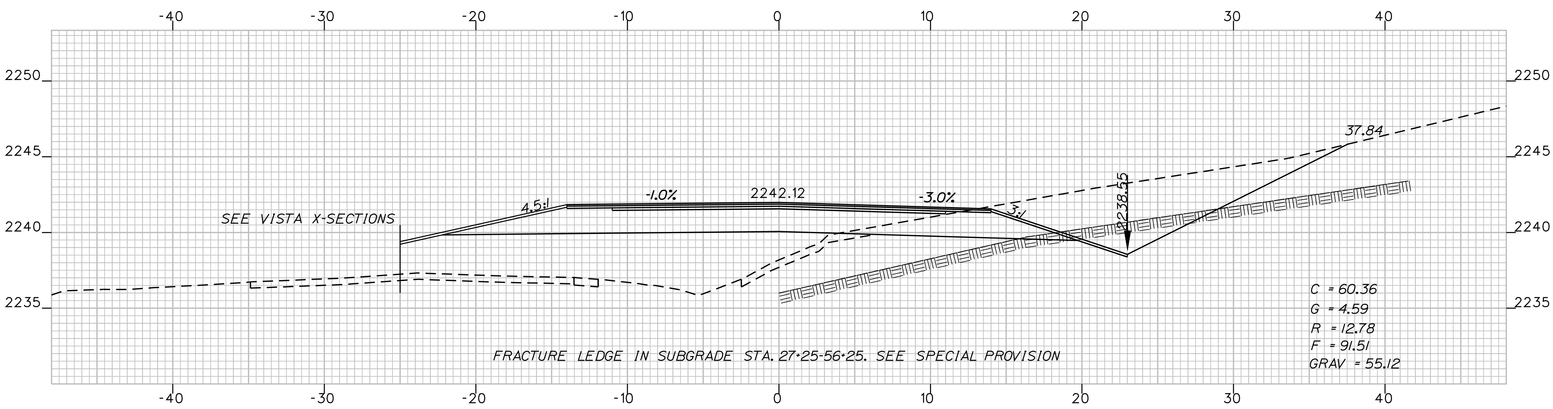
PROJ. MANAGER	H. COWAN	BY	DATE
DESIGN-DETAILED	S. AMOROSO	M. SHIBLES	6/4/10
CHECKED-REVIEWED			
DESIGN2-DETAILED2			
DESIGN3-DETAILED3			
REVISIONS 1			
REVISIONS 2			
REVISIONS 3			
REVISIONS 4			
FIELD CHANGES			

SIGNATURE
P.E. NUMBER
DATE

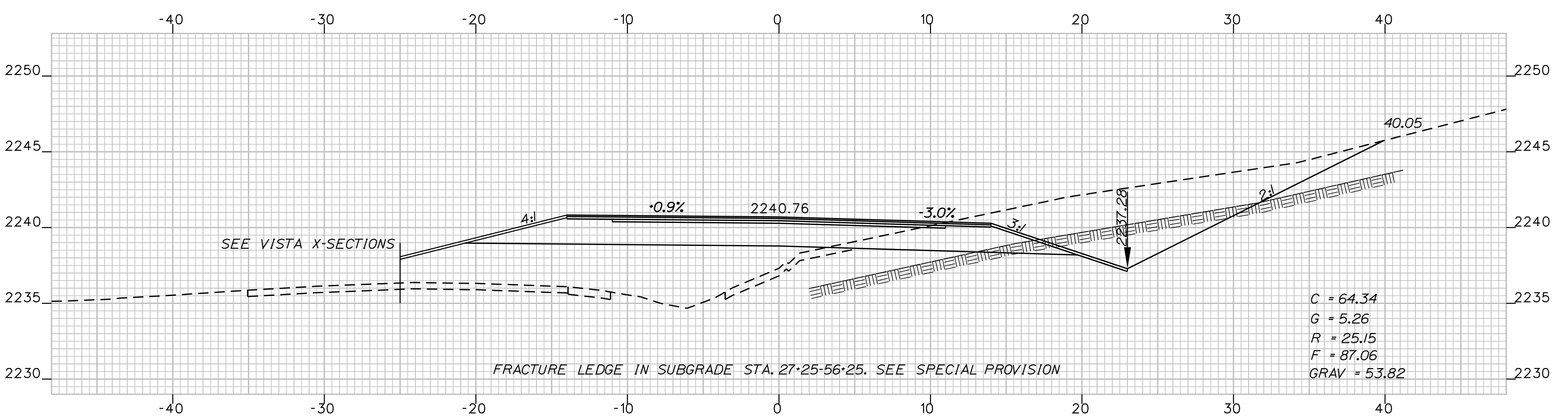
STATE OF MAINE
DEPARTMENT OF TRANSPORTATION
SB-ME-98(007)
PIN 8670.10
HIGHWAY PLANS



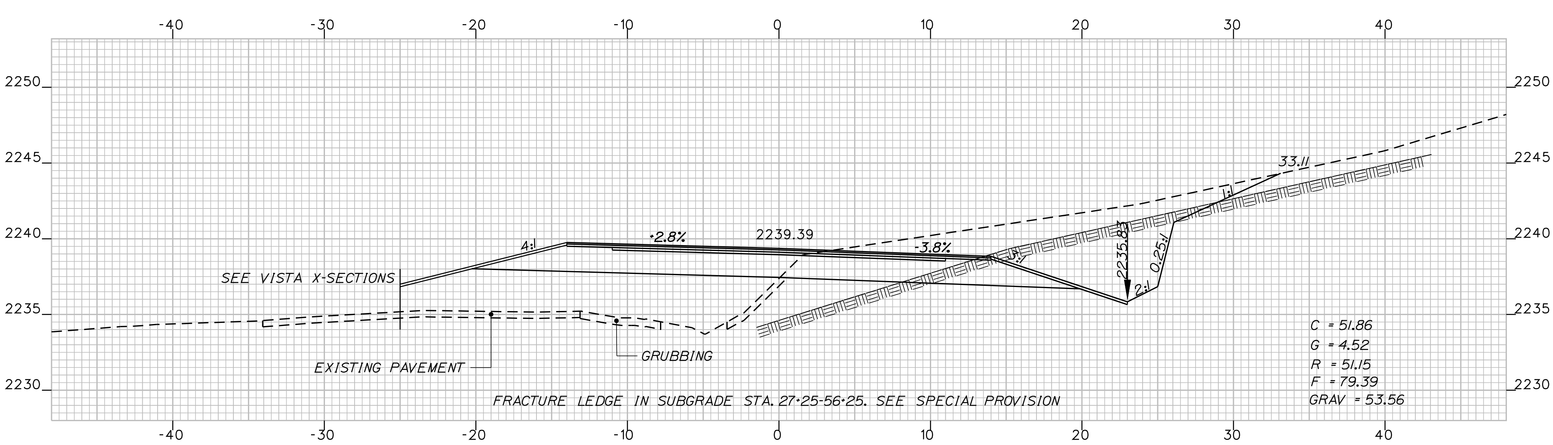
47+50.00



47+00.00



46+50.00



46+00.00

TOWNSHIP D
ROUTE 17

46+00 CROSS SECTIONS 47+50

PROJ. MANAGER	H. COWAN	BY	DATE
DESIGN-DETAILED	S. AMOROSO	M. SHIBLES	6/4/10
CHECKED-REVIEWED			
DESIGN2-DETAILED2			
DESIGN3-DETAILED3			
REVISIONS 1			
REVISIONS 2			
REVISIONS 3			
REVISIONS 4			
FIELD CHANGES			

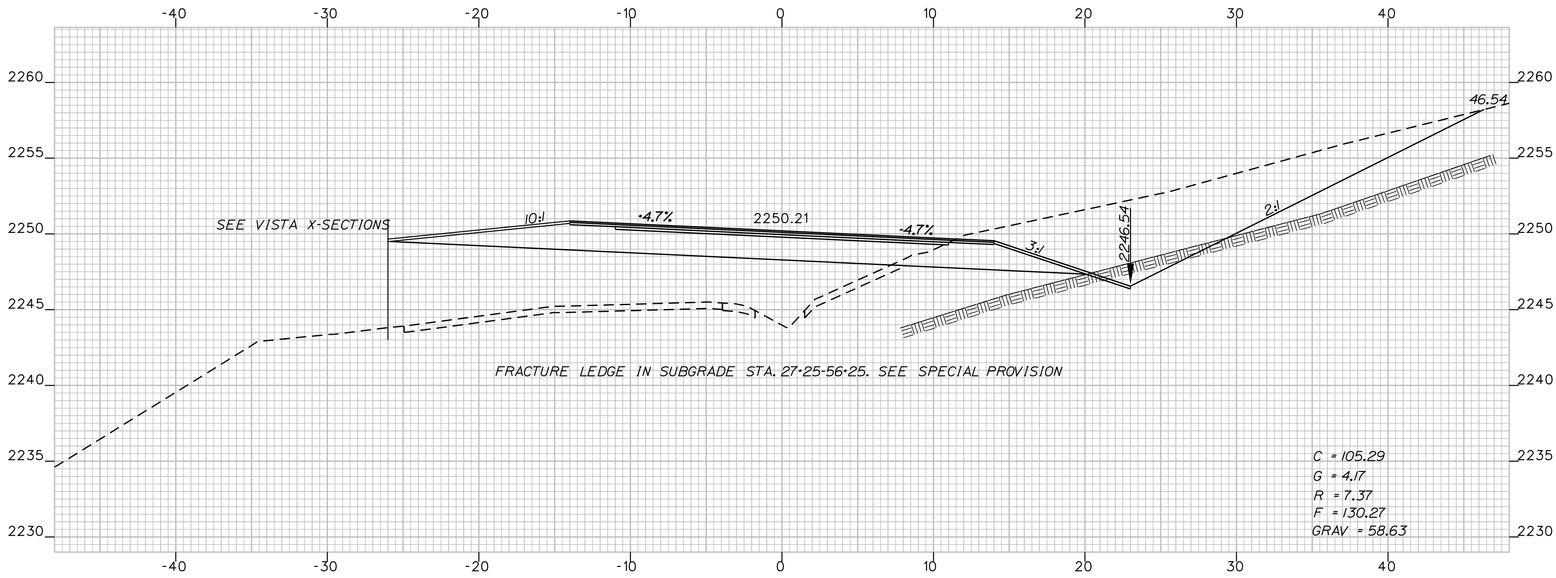
SIGNATURE
P.E. NUMBER
DATE

STATE OF MAINE
DEPARTMENT OF TRANSPORTATION

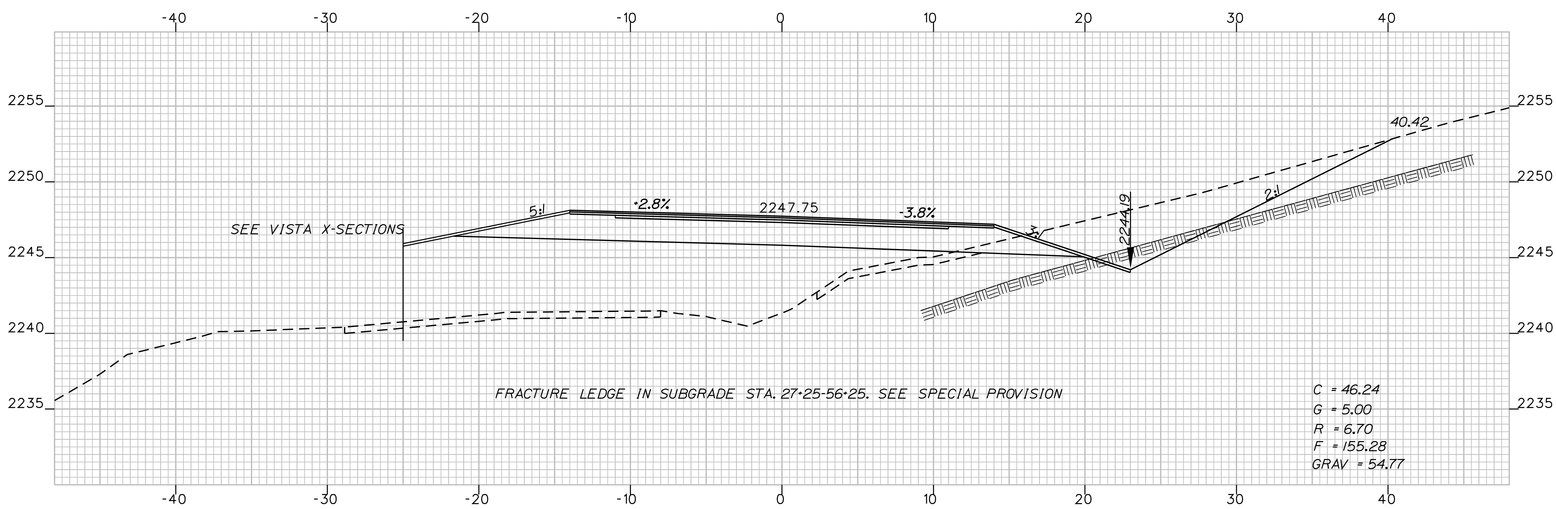
SB-ME-98(007)

PIN 8670.10

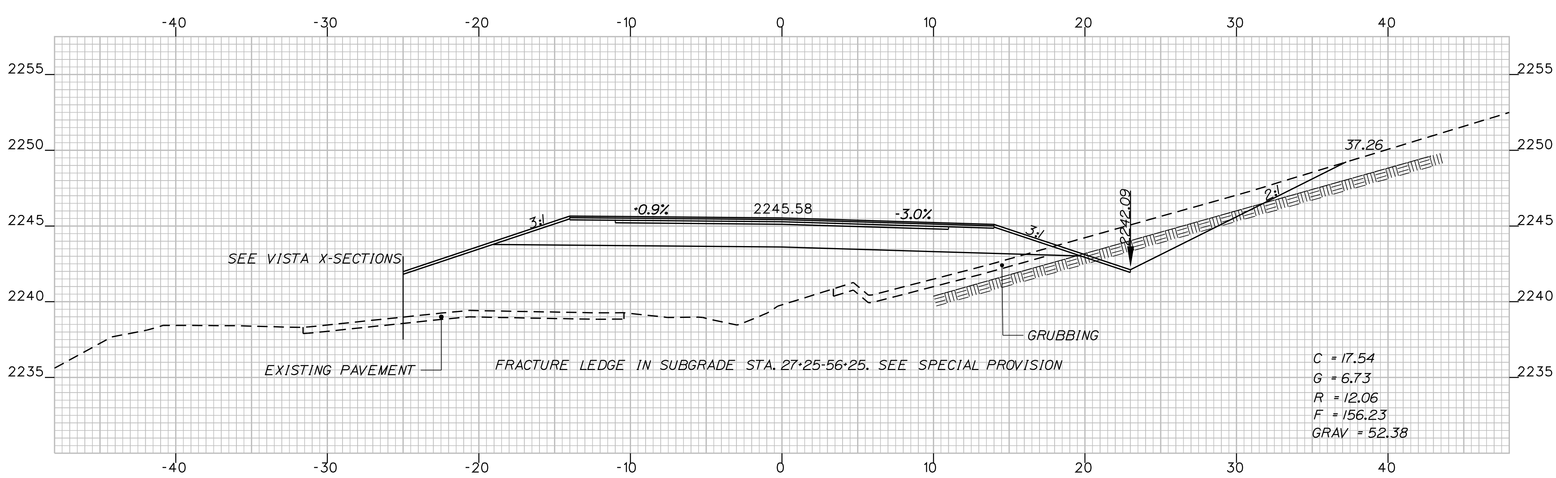
HIGHWAY PLANS



49+00.00



48+50.00



48+00.00

SHEET NUMBER 49 OF 74

TOWNSHIP D
ROUTE 17

48+00 CROSS SECTIONS 49+00

PROJ. MANAGER	H. COWAN	BY	DATE
DESIGN-DETAILED	S. AMOROSO	M. SHIBLES	6/4/10
CHECKED-REVIEWED			
DESIGN2-DETAILED2			
DESIGN3-DETAILED3			
REVISIONS 1			
REVISIONS 2			
REVISIONS 3			
REVISIONS 4			
FIELD CHANGES			

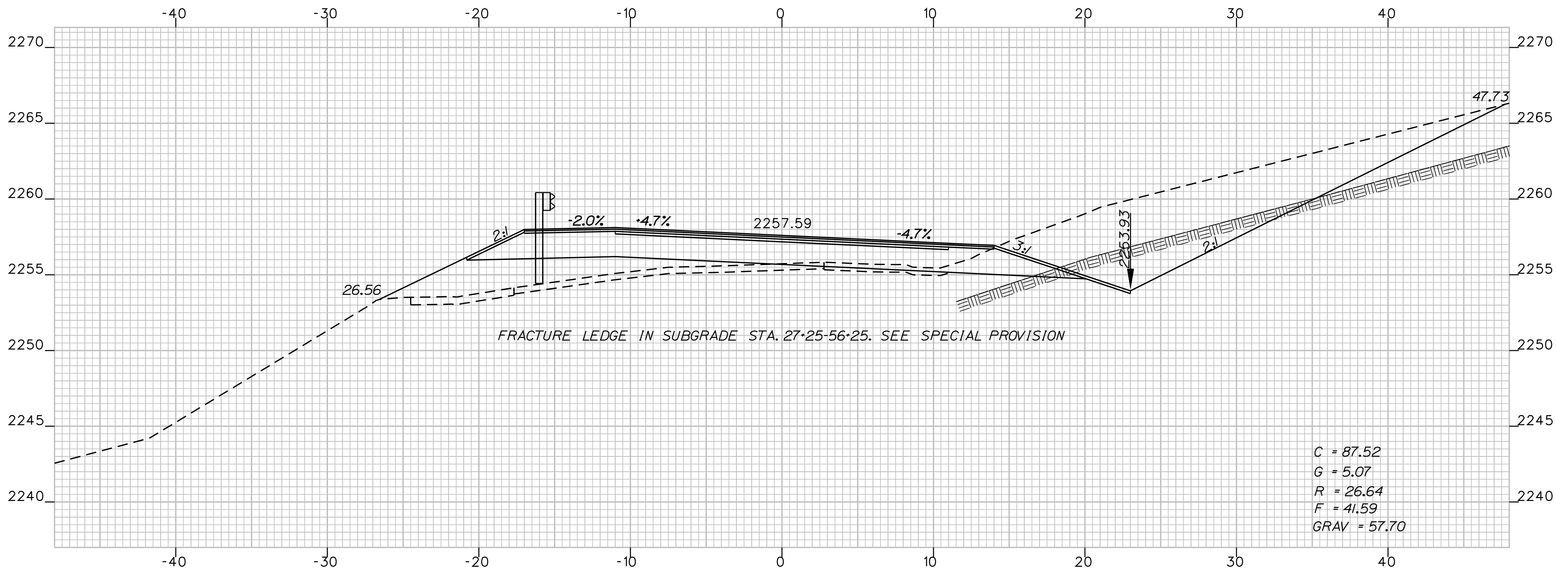
SIGNATURE
P.E. NUMBER
DATE

STATE OF MAINE
DEPARTMENT OF TRANSPORTATION

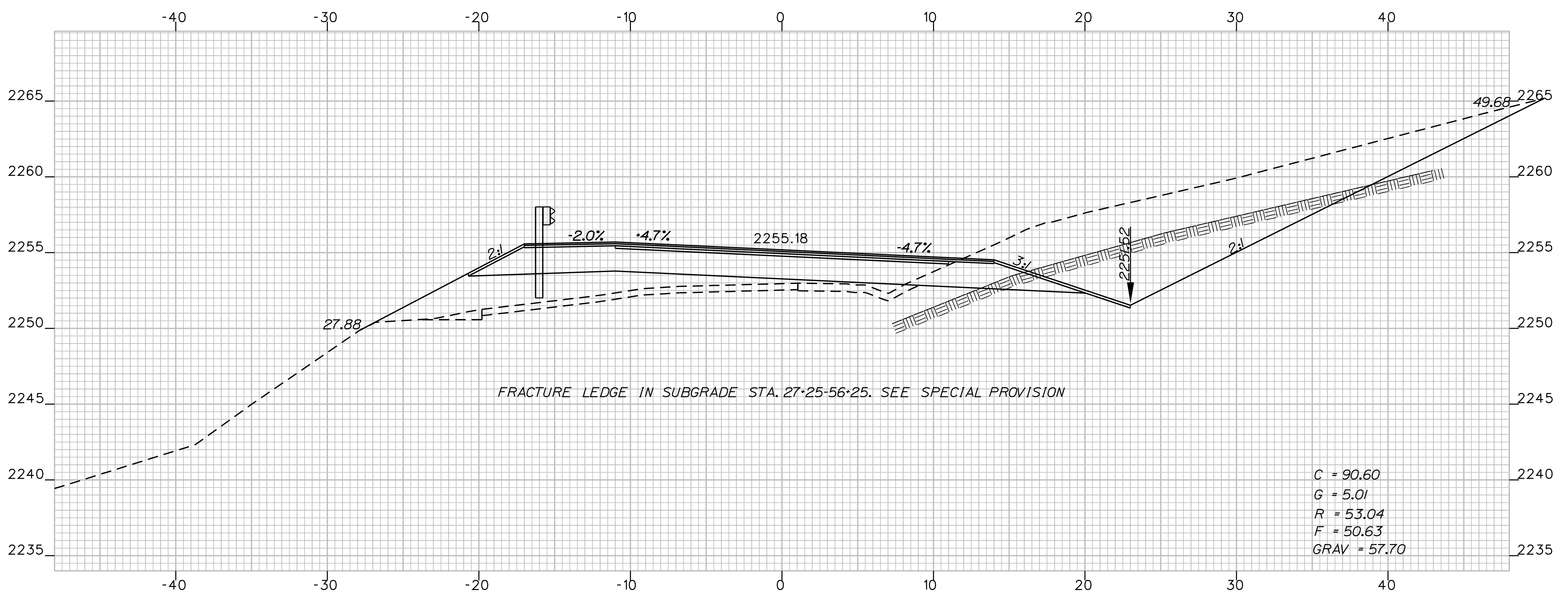
SB-ME-98(007)

PIN 8670.10

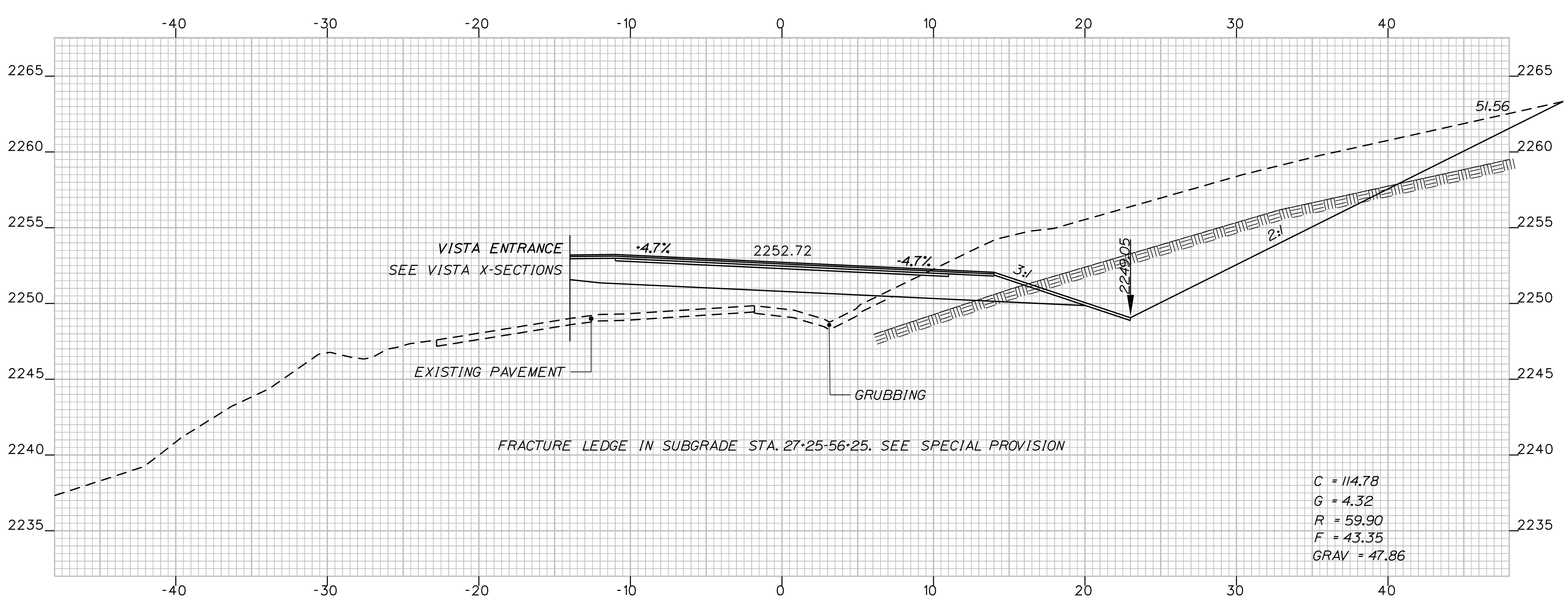
HIGHWAY PLANS



50+50.00



50+00.00



49+50.00

SHEET NUMBER 50 OF 74

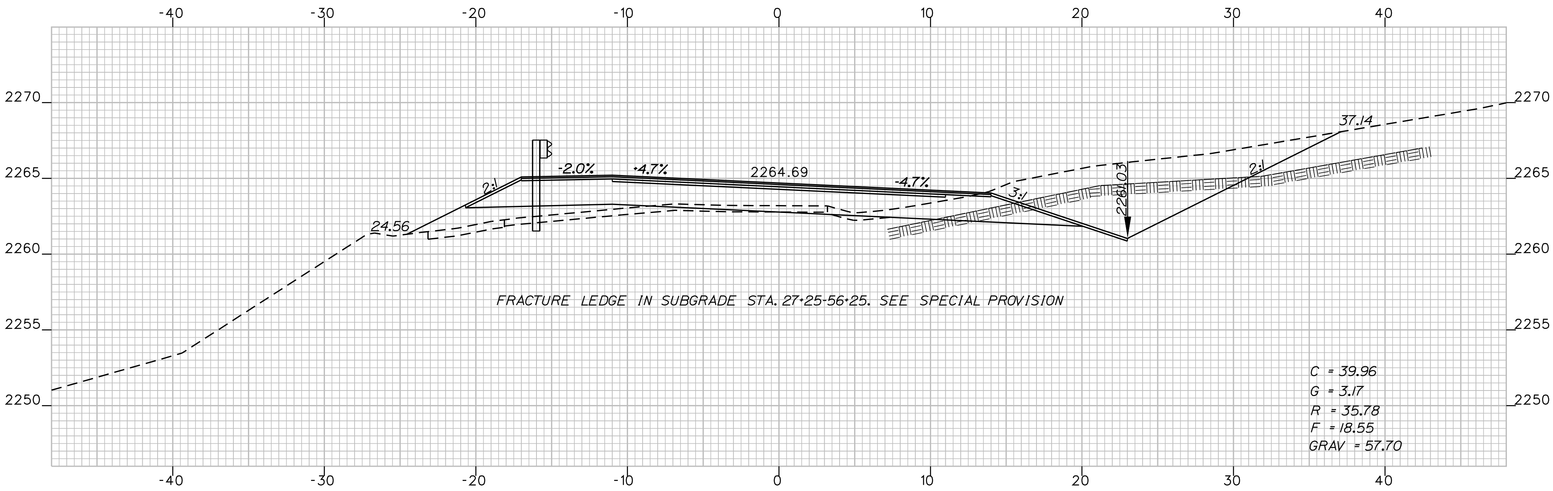
TOWNSHIP D
ROUTE 17

49+50 CROSS SECTIONS 50+50

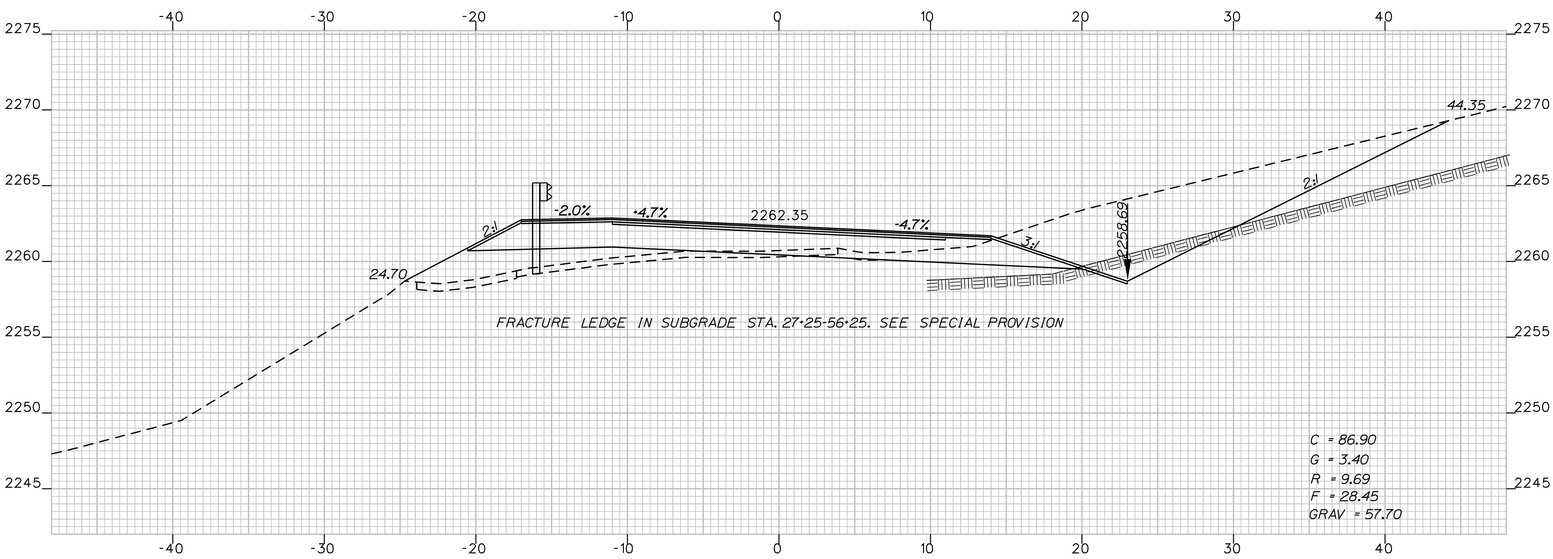
PROJ. MANAGER	H. COWAN	BY	DATE
DESIGN-DETAILED	S. AMOROSO	M. SHIBLES	6/4/10
CHECKED-REVIEWED			
DESIGN2-DETAILED2			
DESIGN3-DETAILED3			
REVISIONS 1			
REVISIONS 2			
REVISIONS 3			
REVISIONS 4			
FIELD CHANGES			

SIGNATURE
P.E. NUMBER
DATE

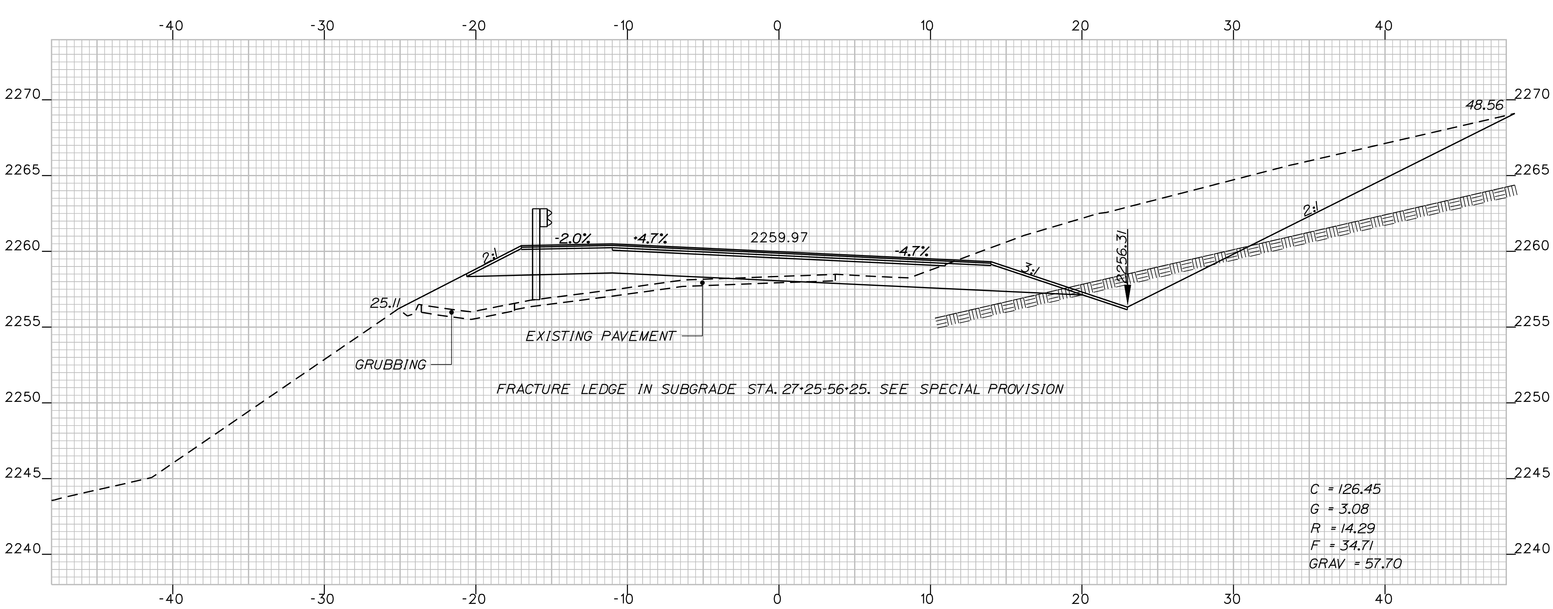
STATE OF MAINE
DEPARTMENT OF TRANSPORTATION
SB-ME-98(007)
PIN 8670.10
HIGHWAY PLANS



52+00.00



51+50.00



51+00.00

SHEET NUMBER 51 OF 74

TOWNSHIP D
ROUTE 17

51+00 CROSS SECTIONS 52+00

PROJ. MANAGER	H. COWAN	BY	DATE
DESIGN-DETAILED	S. AMOROSO	M. SHIBLES	6/4/10
CHECKED-REVIEWED			
DESIGN2-DETAILED2			
DESIGN3-DETAILED3			
REVISIONS 1			
REVISIONS 2			
REVISIONS 3			
REVISIONS 4			
FIELD CHANGES			

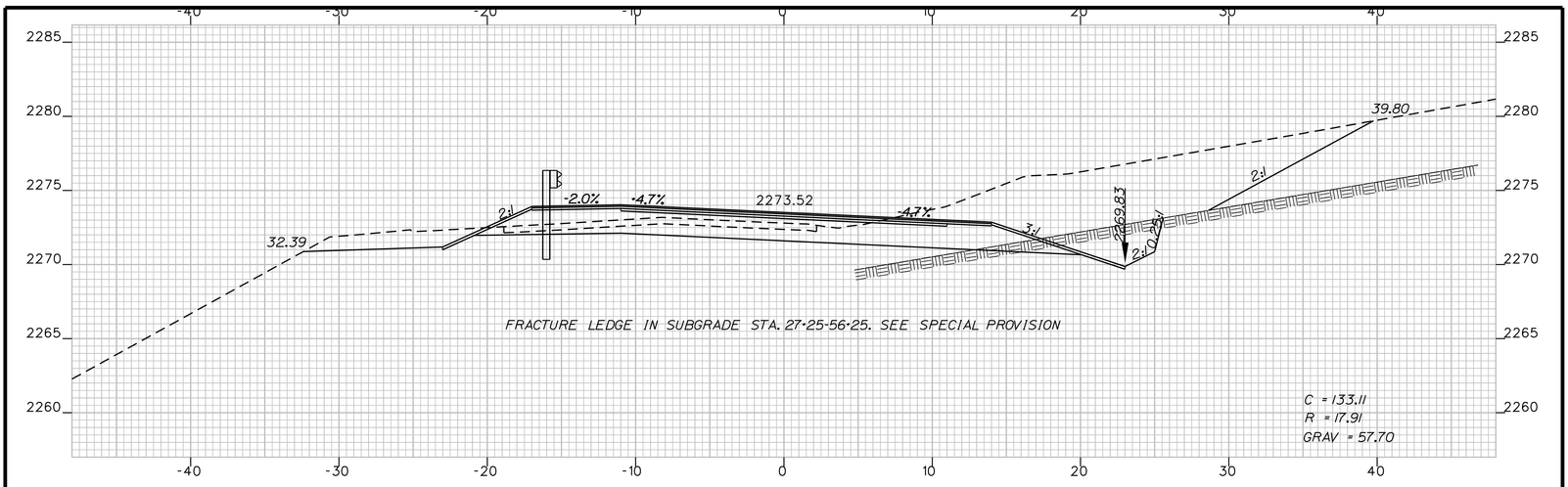
SIGNATURE
P.E. NUMBER
DATE

STATE OF MAINE
DEPARTMENT OF TRANSPORTATION

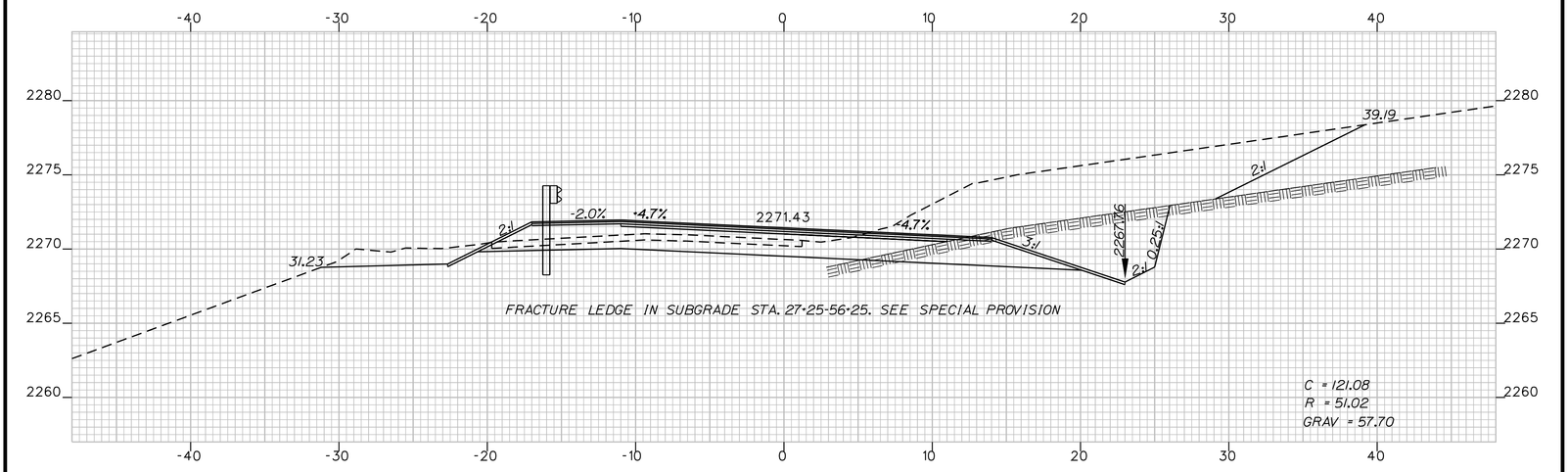
SB-ME-98(007)

PIN 8670.10

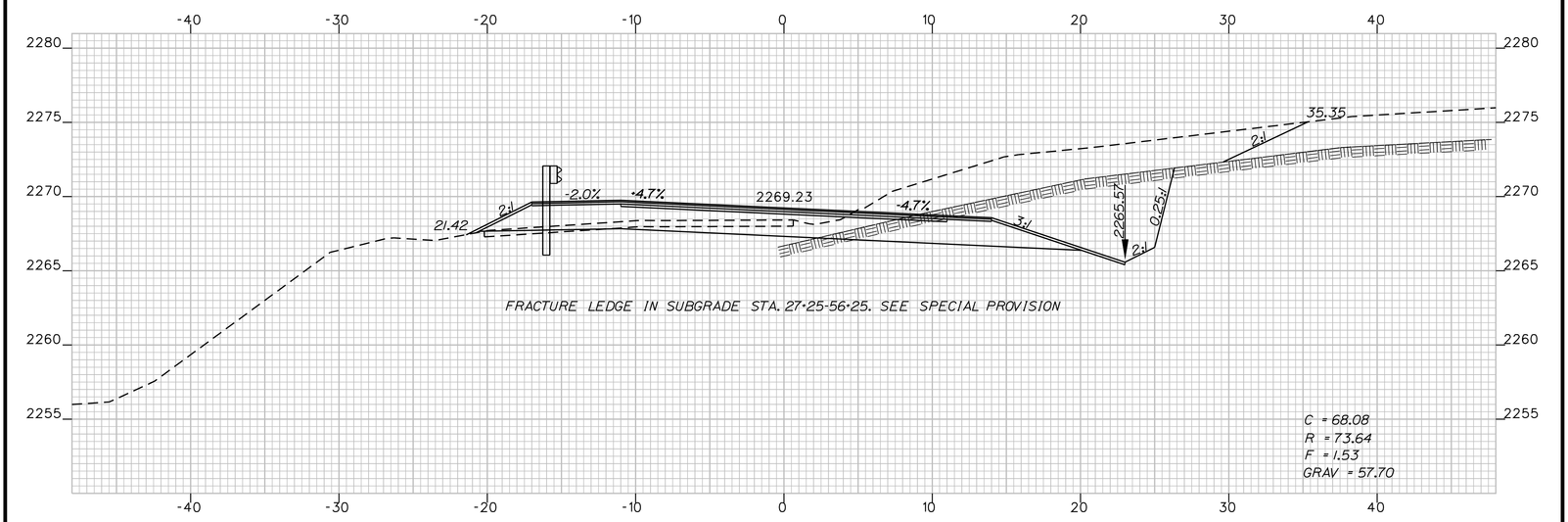
HIGHWAY PLANS



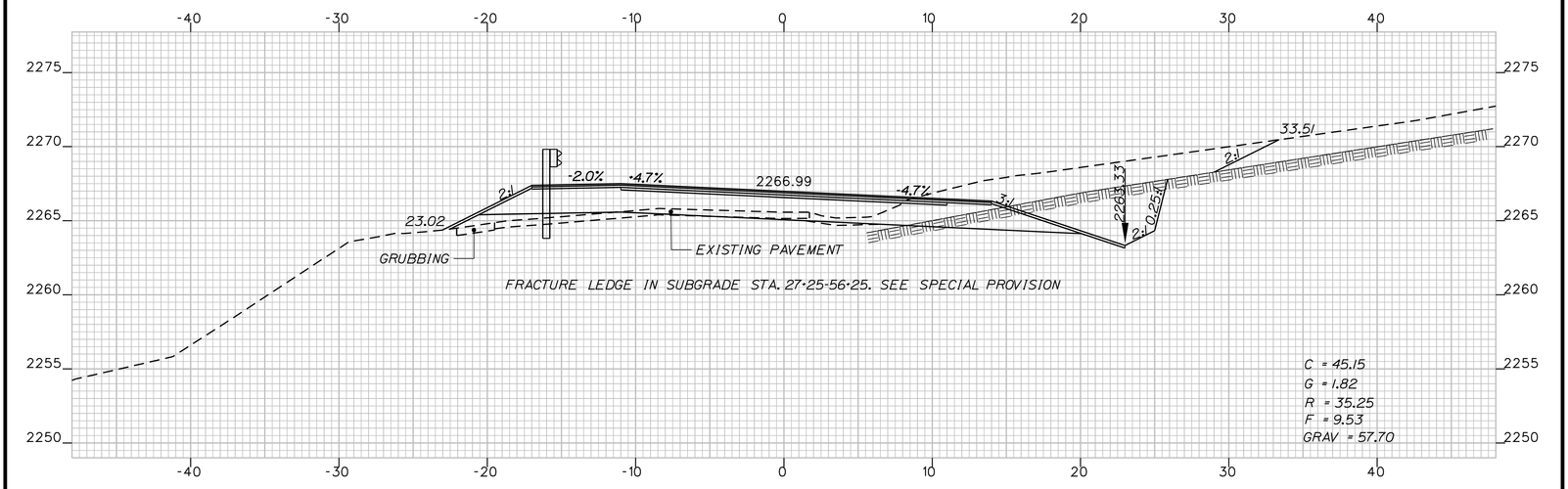
54+00.00



53+50.00



53+00.00



52+50.00

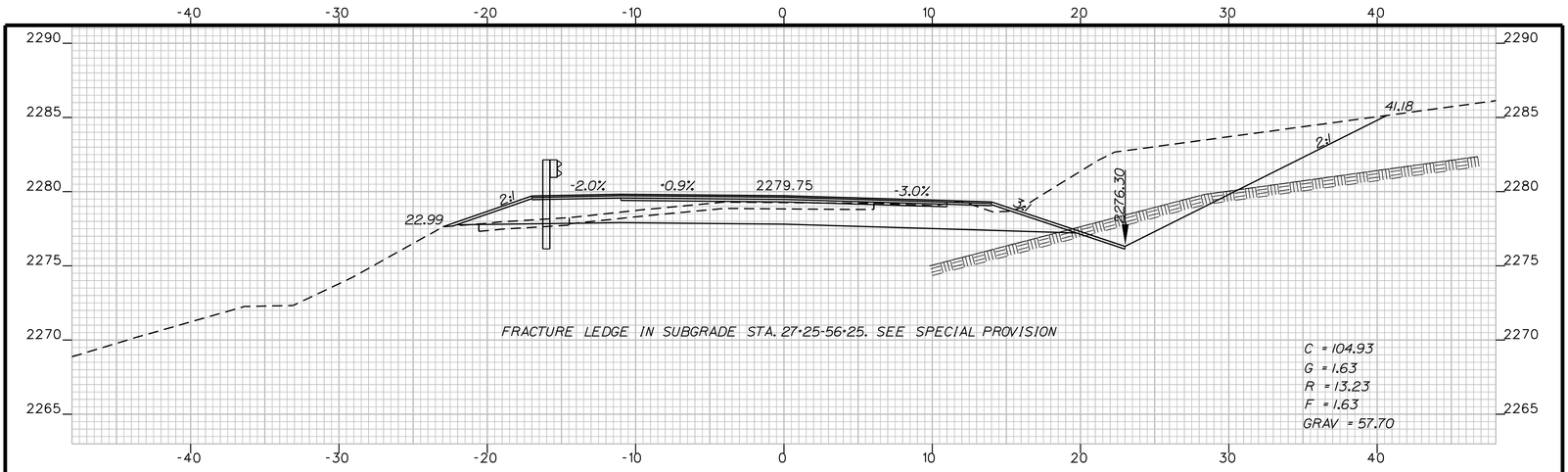
SHEET NUMBER 52 OF 74	TOWNSHIP D ROUTE 17	PROJ. MANAGER	H. COWAN	BY	DATE
		DESIGN-DETAILED	S. AMOROSO	M. SHIBLES	6/4/10
		CHECKED-REVIEWED			
		DESIGN2-DETAILED2			
		DESIGN3-DETAILED3			
		REVISIONS 1			
		REVISIONS 2			
		REVISIONS 3			
		REVISIONS 4			
		FIELD CHANGES			
	52+50 CROSS SECTIONS 54+00	SIGNATURE P.E. NUMBER DATE			

STATE OF MAINE
DEPARTMENT OF TRANSPORTATION

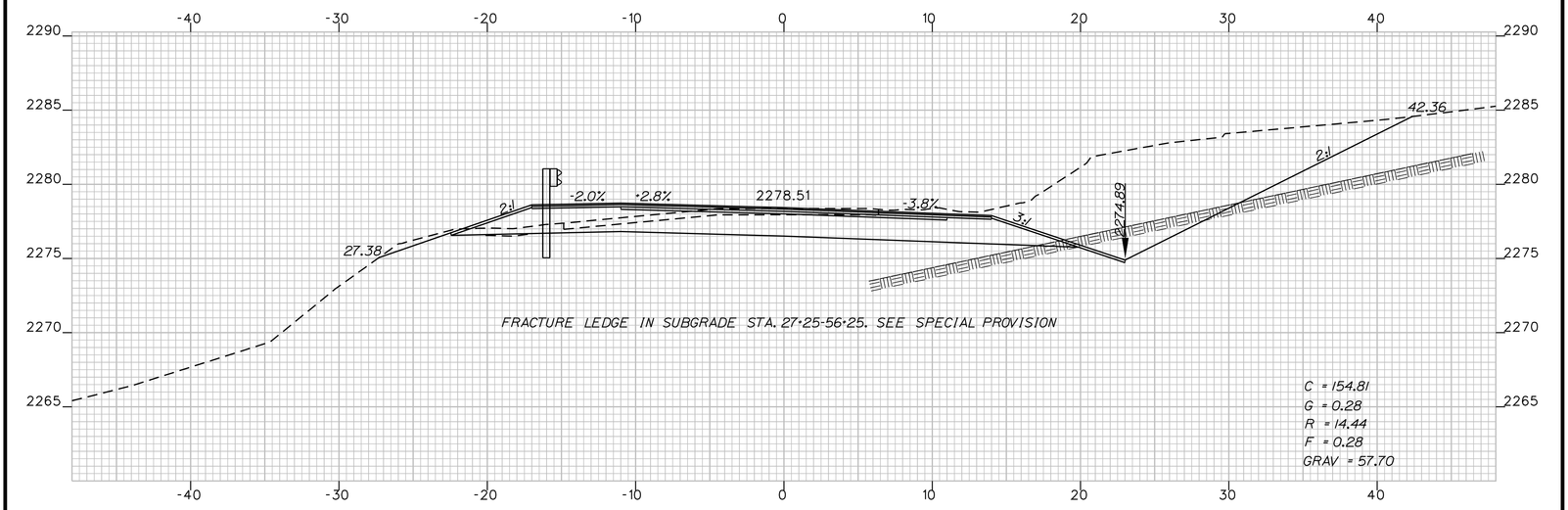
SB-ME-98(007)

PIN 8670.10

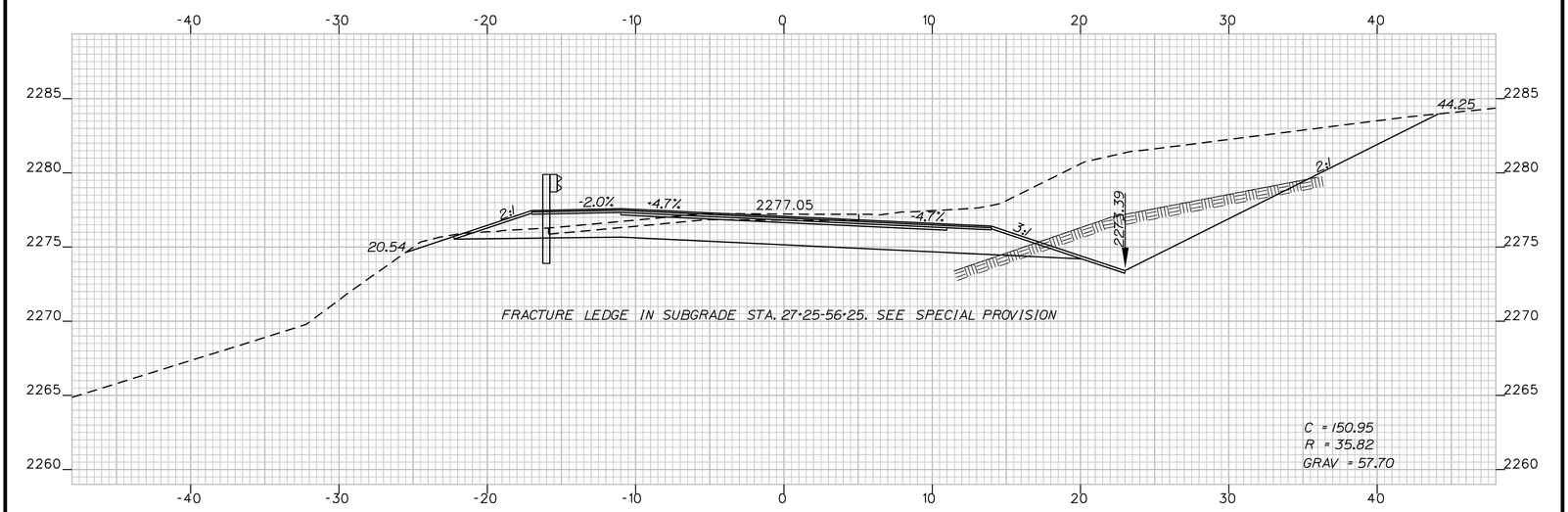
HIGHWAY PLANS



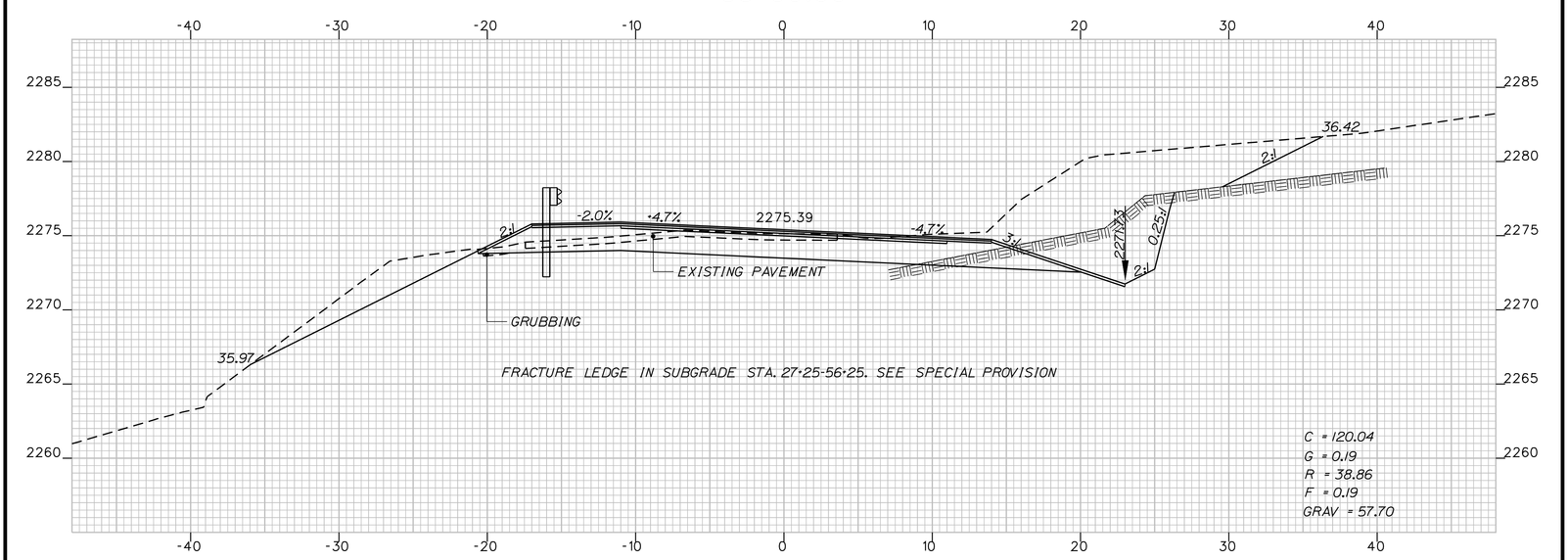
56+00.00



55+50.00



55+00.00



54+50.00

PROJ. MANAGER	H. COWAN	BY	DATE
DESIGN-DETAILED	S. AMOROSO	M. SHIBLES	6/4/10
CHECKED-REVIEWED			
DESIGN2-DETAILED2			
DESIGN3-DETAILED3			
REVISIONS 1			
REVISIONS 2			
REVISIONS 3			
REVISIONS 4			
FIELD CHANGES			

SIGNATURE

P.E. NUMBER

DATE

TOWNSHIP D
ROUTE 17

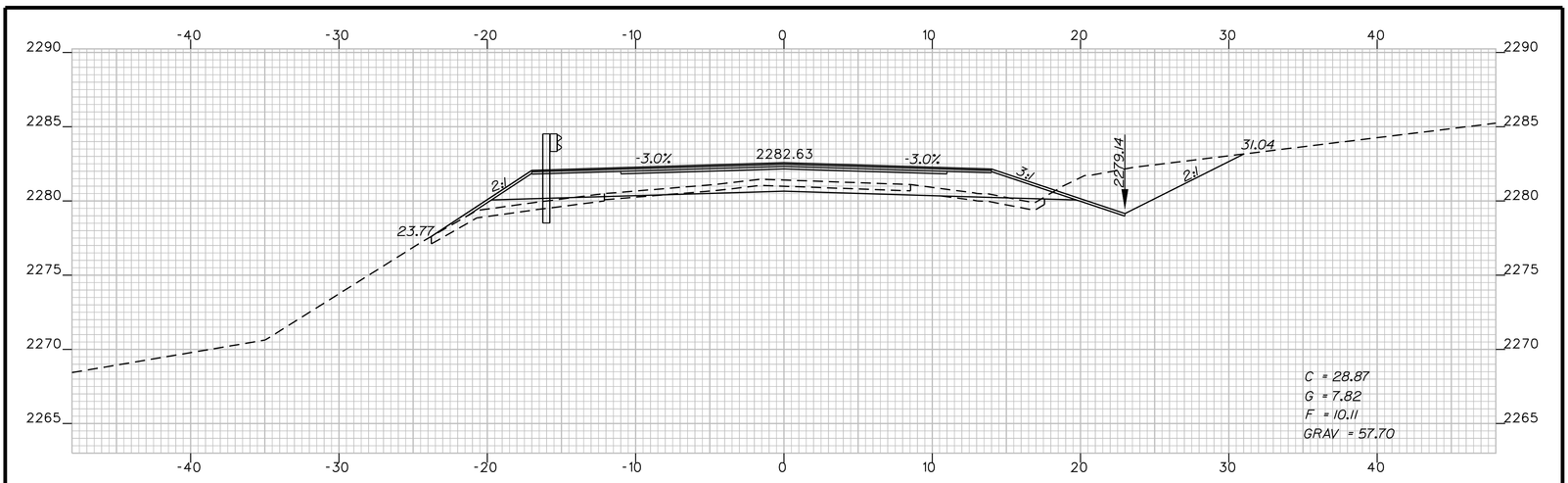
54+50 CROSS SECTIONS 56+00

STATE OF MAINE
DEPARTMENT OF TRANSPORTATION

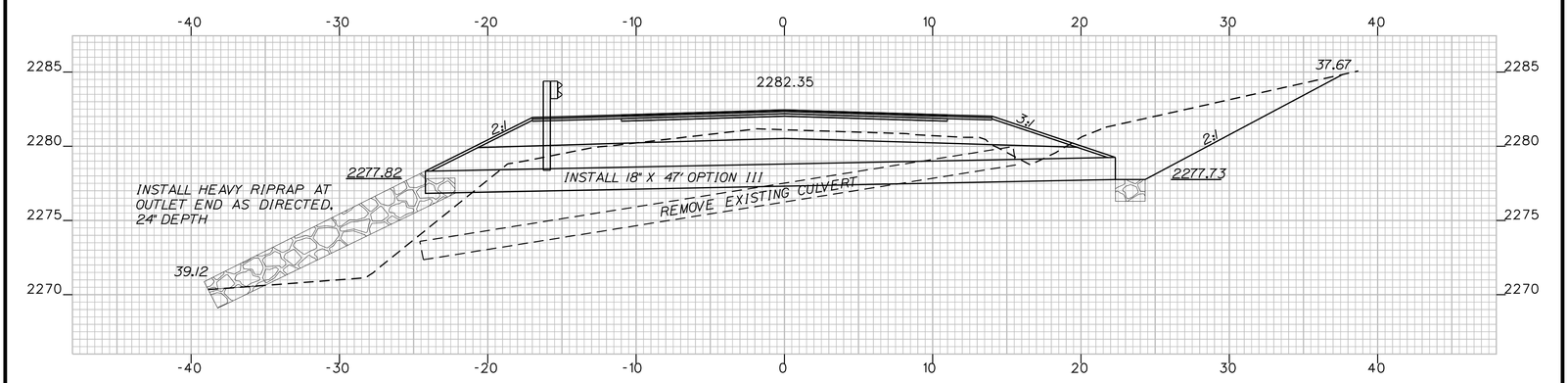
SB-ME-98(007)

PIN 8670.10

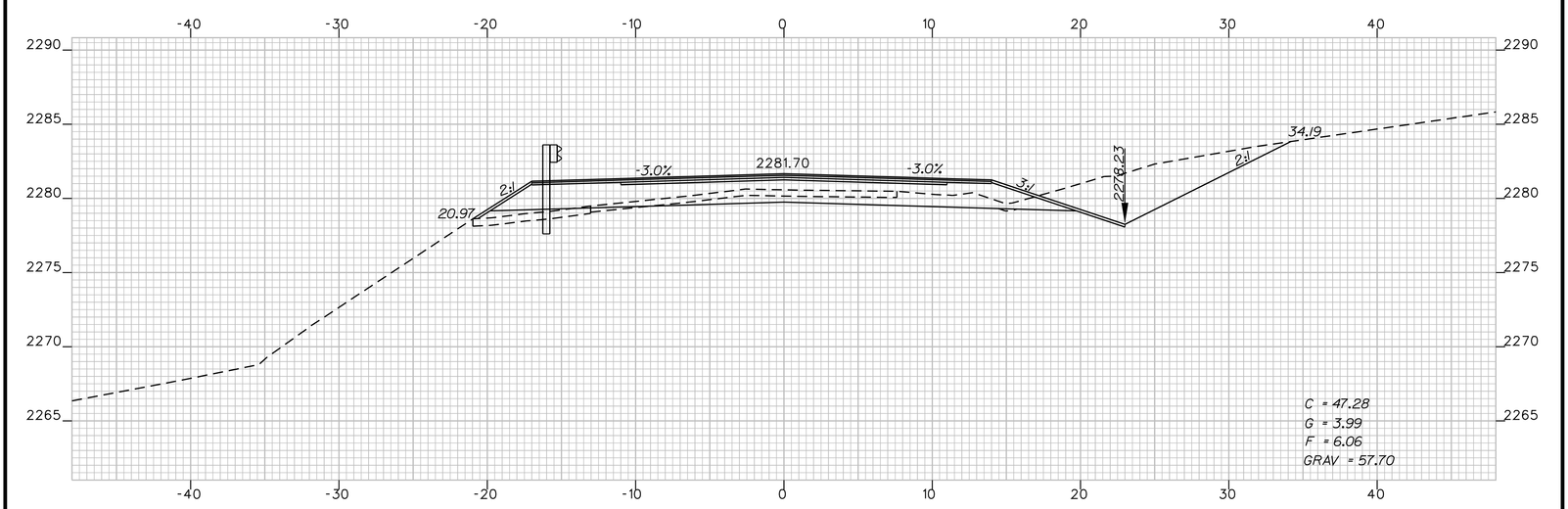
HIGHWAY PLANS



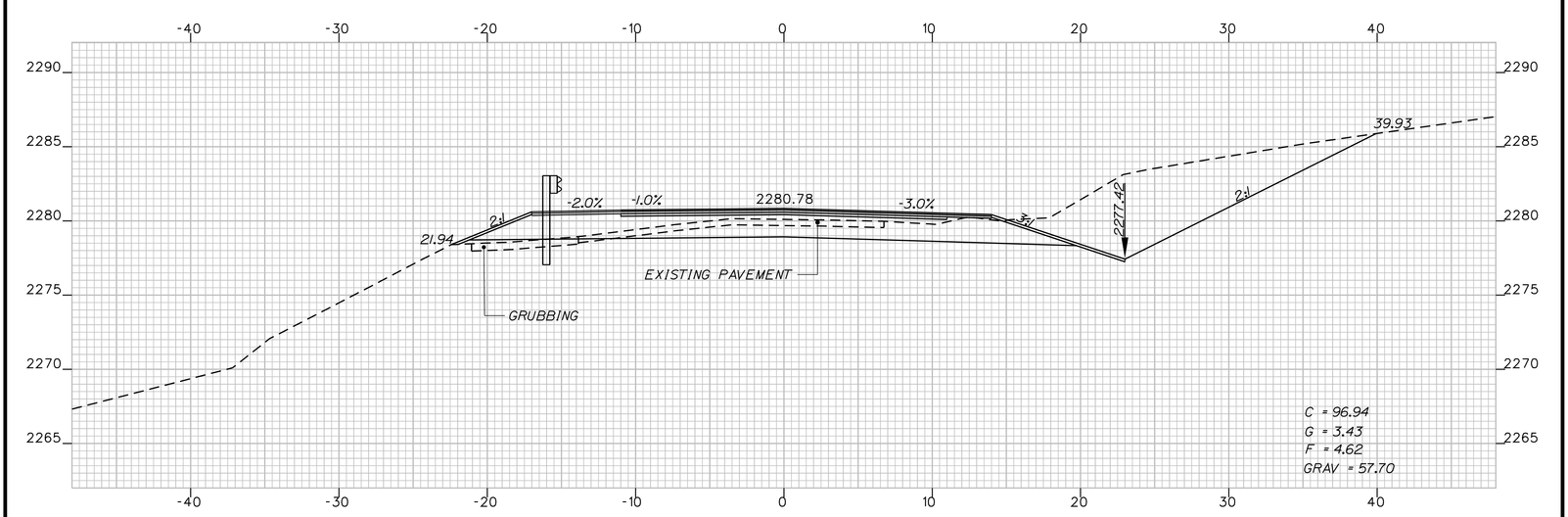
57+50.00



57+35.10



57+00.00



56+50.00

SHEET NUMBER 54 OF 74

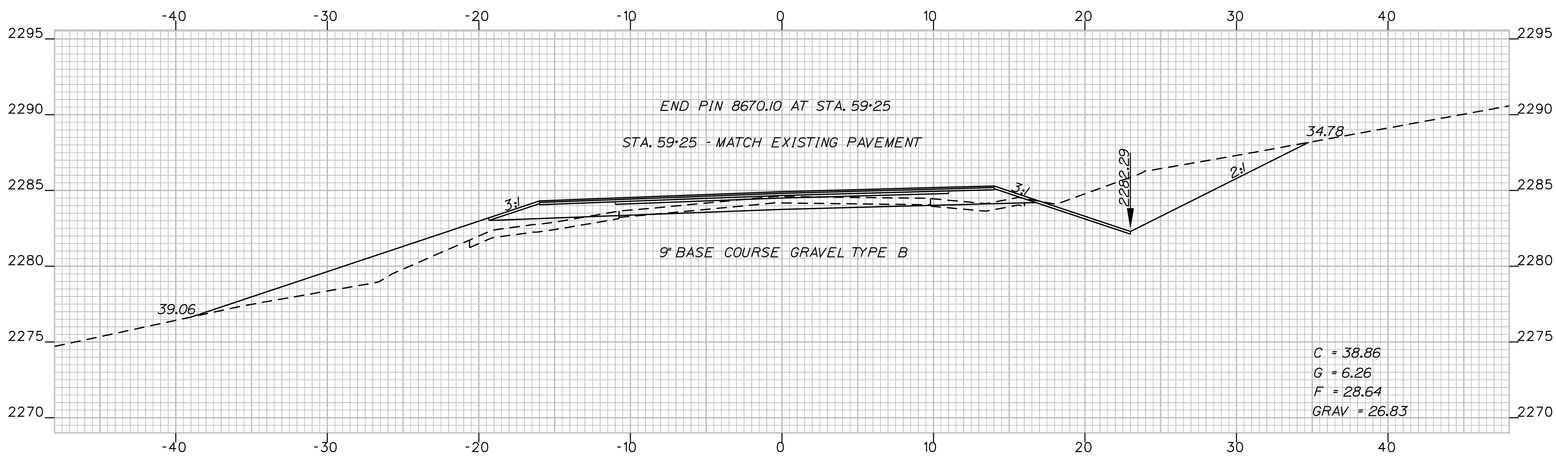
TOWNSHIP D
ROUTE 17

56+50 CROSS SECTIONS 57+50

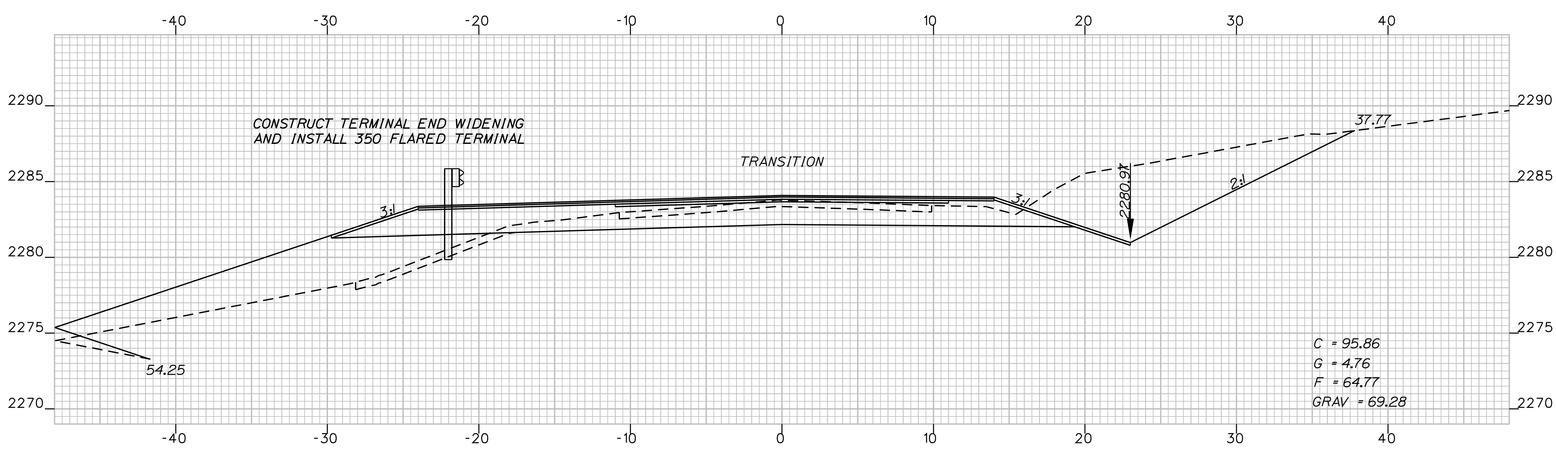
PROJ. MANAGER	H. COWAN	BY	DATE
DESIGN-DETAILED	S. AMOROSO	M. SHIBLES	6/4/10
CHECKED-REVIEWED			
DESIGN2-DETAILED2			
DESIGN3-DETAILED3			
REVISIONS 1			
REVISIONS 2			
REVISIONS 3			
REVISIONS 4			
FIELD CHANGES			

SIGNATURE
P.E. NUMBER
DATE

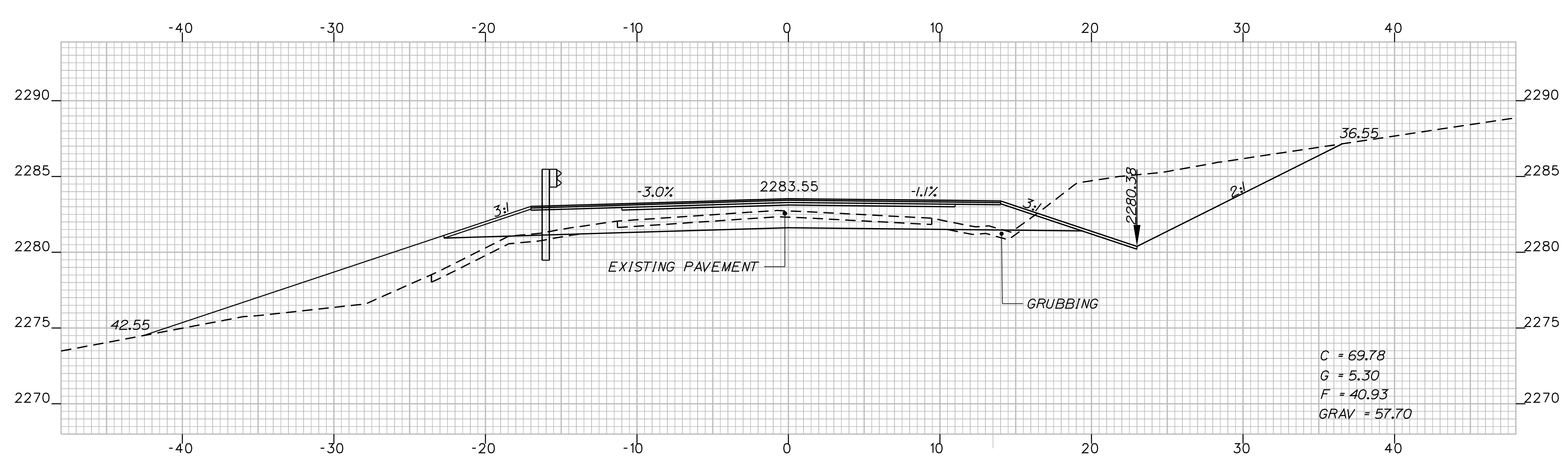
STATE OF MAINE
DEPARTMENT OF TRANSPORTATION
SB-ME-98(007)
PIN 8670.10
HIGHWAY PLANS



59+00.00



58+50.00

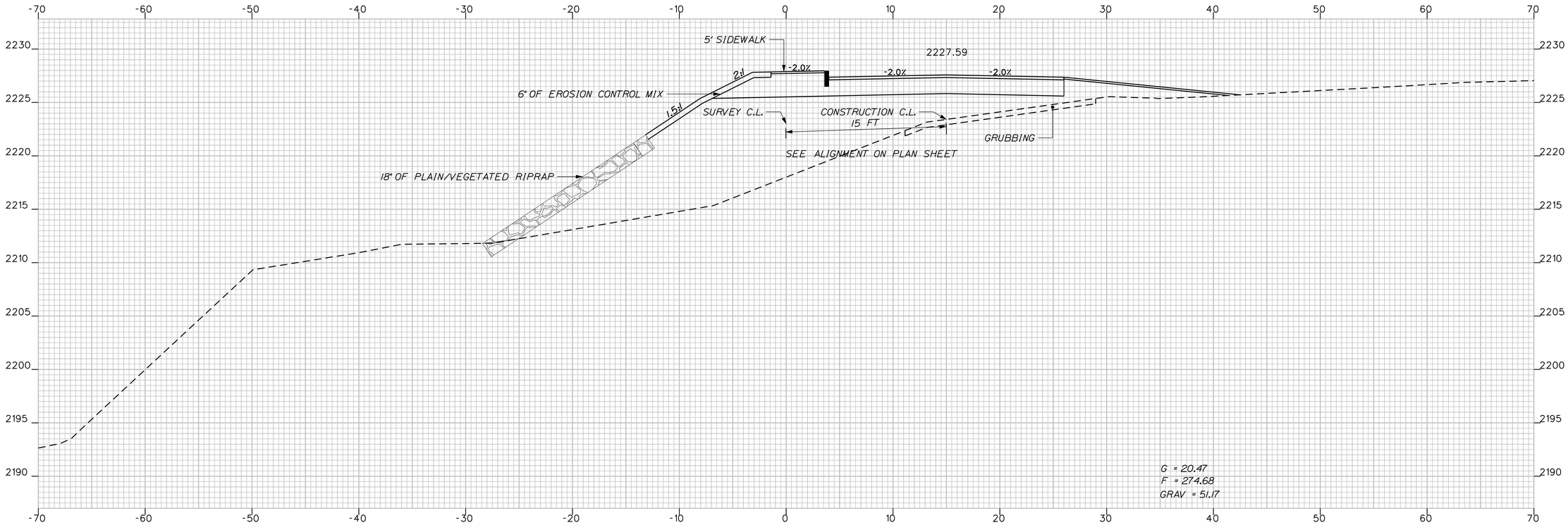


58+00.00

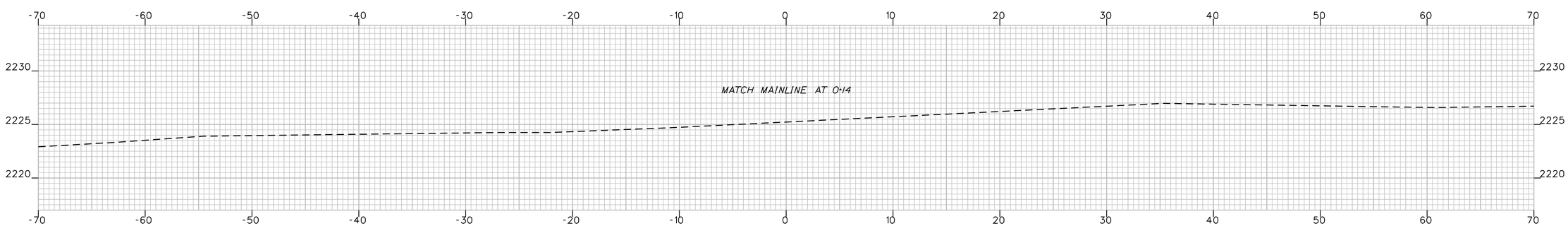
SHEET NUMBER 55 OF 74	TOWNSHIP D ROUTE 17	PROJ. MANAGER	H. COWAN	BY	DATE
		DESIGN-DETAILED	S. AMOROSO	M. SHIBLES	6/4/10
		CHECKED-REVIEWED			
		DESIGN2-DETAILED2			
		DESIGN3-DETAILED3			
		REVISIONS 1			
		REVISIONS 2			
		REVISIONS 3			
		REVISIONS 4			
		FIELD CHANGES			
	58+00 CROSS SECTIONS 59+00				

SIGNATURE
P.E. NUMBER
DATE

STATE OF MAINE
DEPARTMENT OF TRANSPORTATION
SB-ME-98(007)
PIN 8670.10
HIGHWAY PLANS



0+50.00
SCENIC VISTA



0+00.00
SCENIC VISTA

Filename: ...\msta\056_XSMC40_dr_001.dgn Division: HIGHWAY Username: norma.gilman Date:6/17/2010

STATE OF MAINE
DEPARTMENT OF TRANSPORTATION

SB-ME-98(007)

PIN 8670.10

HIGHWAY PLANS

PROJ. MANAGER	H. COWAN	BY	DATE
DESIGN-DETAILED	S. AMOROSO	M. SHIBLES	6/4/10
CHECKED-REVIEWED			
DESIGN2-DETAILED2			
DESIGN3-DETAILED3			
REVISIONS 1			
REVISIONS 2			
REVISIONS 3			
REVISIONS 4			
FIELD CHANGES			

SIGNATURE

P.E. NUMBER

DATE

TOWNSHIP D
ROUTE 17

CROSS SECTIONS

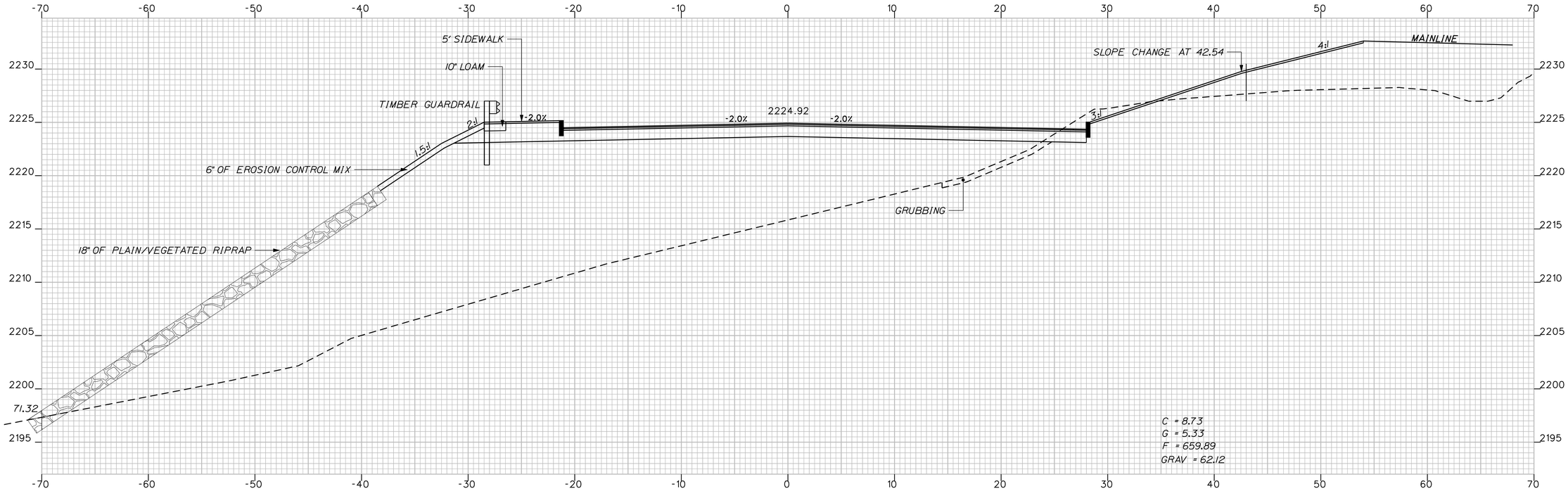
0+50

0+00

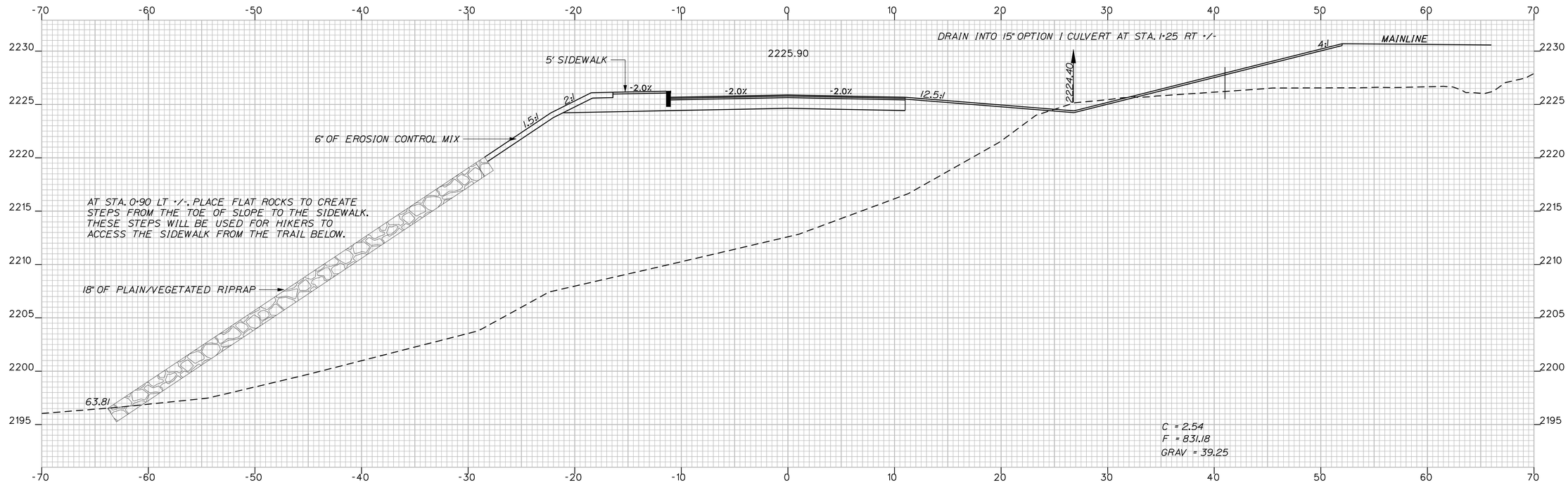
SHEET NUMBER

56

OF 74



1+50.00
SCENIC VISTA



1+00.00
SCENIC VISTA

STATE OF MAINE
DEPARTMENT OF TRANSPORTATION

SB-ME-98(007)

PIN
8670.10

HIGHWAY PLANS

PROJ. MANAGER	H. COWAN	BY	DATE
DESIGN-DETAILED	S. AMOROSO	M. SHIBLES	6/4/10
CHECKED-REVIEWED			
DESIGN2-DETAILED2			
DESIGN3-DETAILED3			
REVISIONS 1			
REVISIONS 2			
REVISIONS 3			
REVISIONS 4			
FIELD CHANGES			

SIGNATURE

P.E. NUMBER

DATE

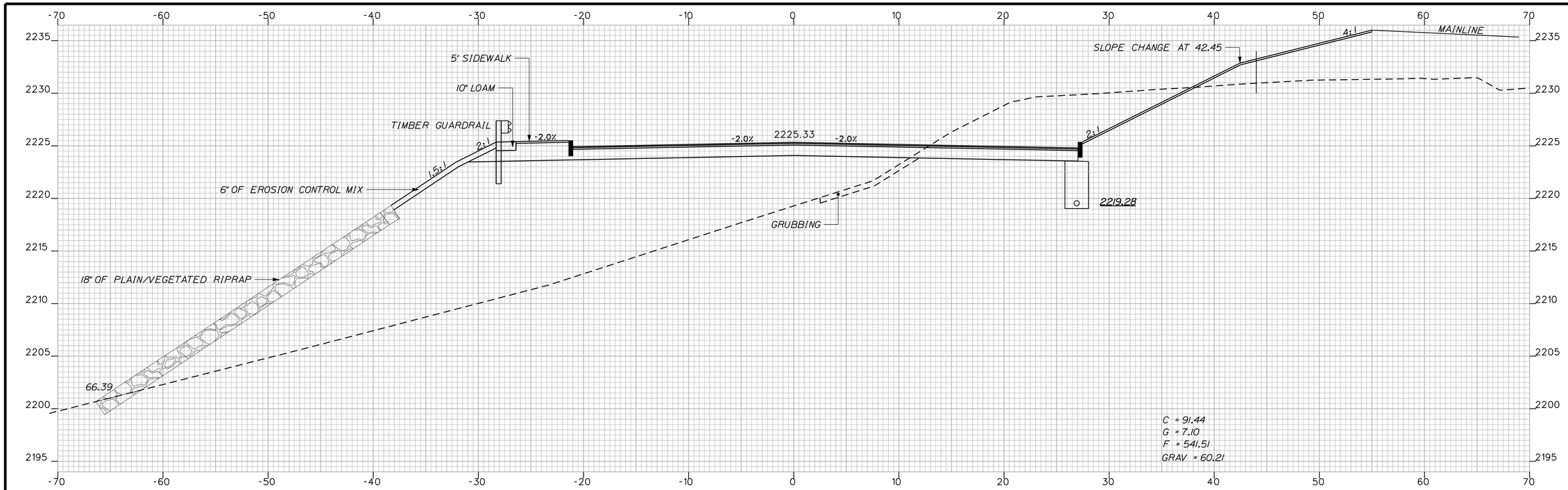
TOWNSHIP D
ROUTE 17

CROSS SECTIONS

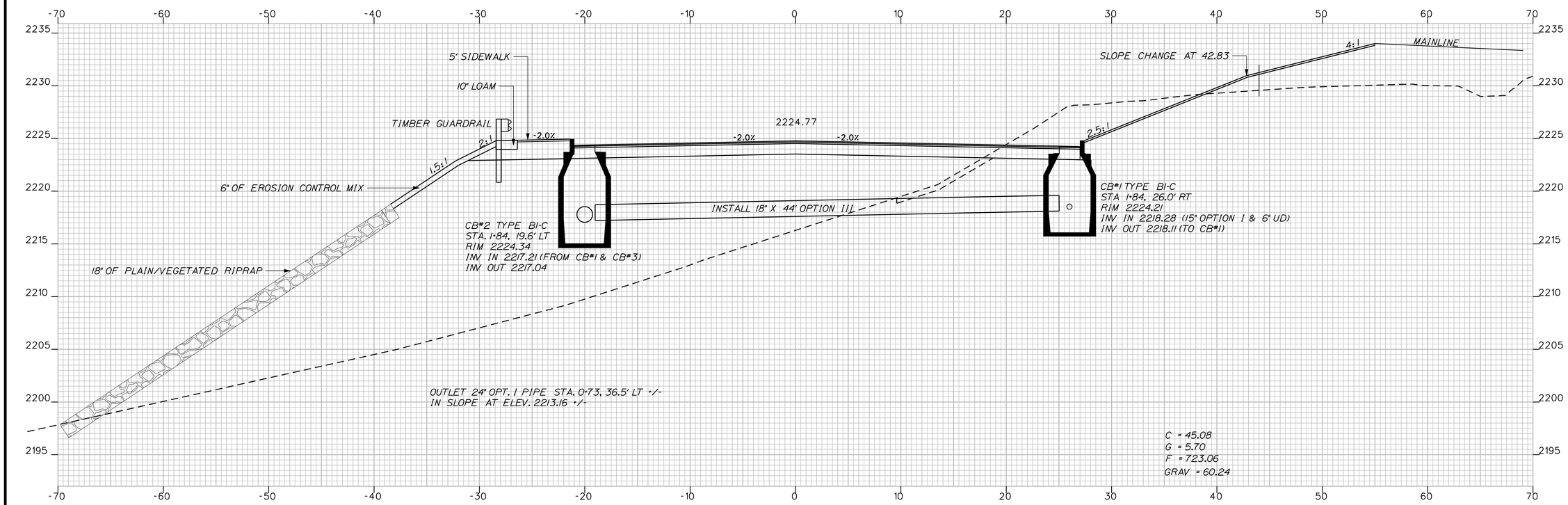
1+00 1+50

SHEET NUMBER
57
OF 74

Filename: ...\msta\057_XSMC40_dr_002.dgn Division: HIGHWAY Username: norma.gilman Date:6/17/2010



2+50.00
SCENIC VISTA



2+00.00
SCENIC VISTA

STATE OF MAINE
DEPARTMENT OF TRANSPORTATION

SB-ME-98(007)

PIN
8670.10

HIGHWAY PLANS

PROJ. MANAGER	H. COWAN	BY	DATE
DESIGN-DETAILED	S. AMOROSO	M. SHIBLES	6/4/10
CHECKED-REVIEWED			
DESIGN2-DETAILED2			
DESIGN3-DETAILED3			
REVISIONS 1			
REVISIONS 2			
REVISIONS 3			
REVISIONS 4			
FIELD CHANGES			

SIGNATURE

P.E. NUMBER

DATE

TOWNSHIP D
ROUTE 17

CROSS SECTIONS

2+50

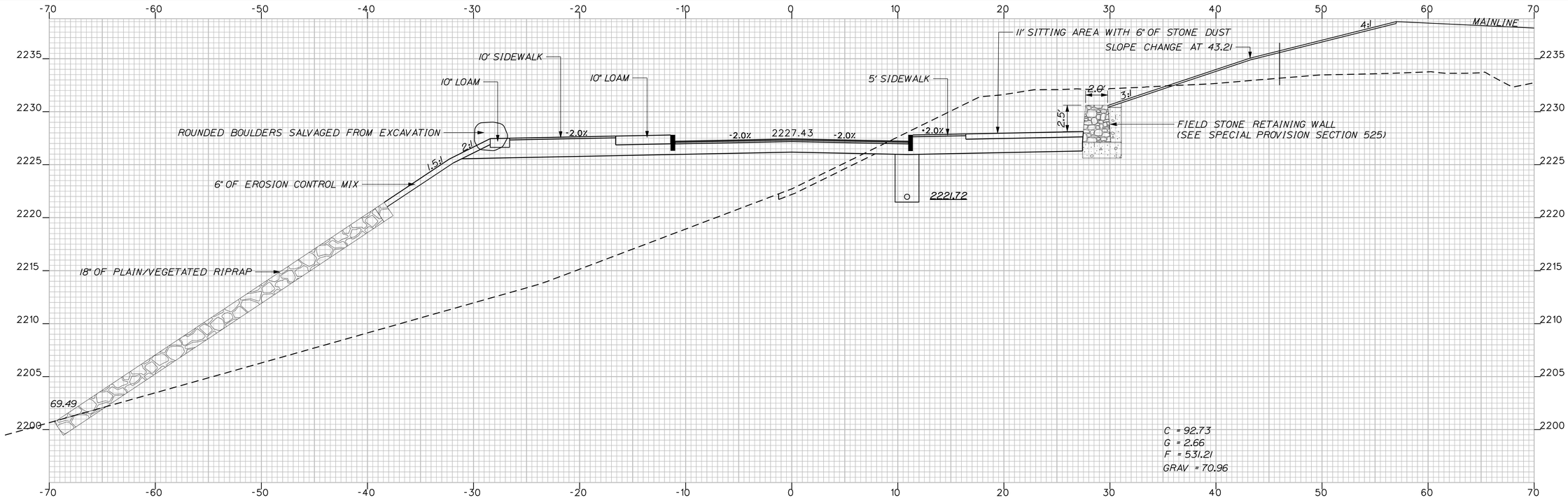
2+00

SHEET NUMBER

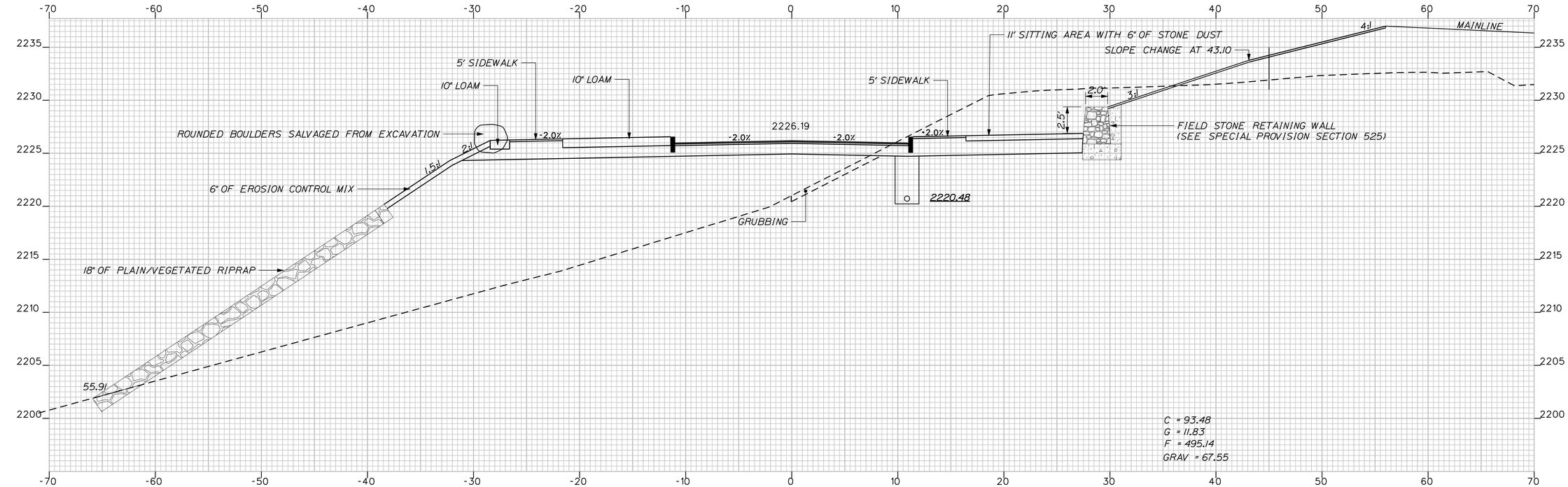
58

OF 74

Filename: ...\msta\058_XSMC40_dr_003.dgn Division: HIGHWAY Username: norma.gilman Date:6/17/2010



3+50.00
SCENIC VISTA



3+00.00
SCENIC VISTA

STATE OF MAINE
DEPARTMENT OF TRANSPORTATION

SB-ME-98(007)

PIN
8670.10

HIGHWAY PLANS

PROJ. MANAGER	H. COWAN	BY	DATE
DESIGN-DETAILED	S. AMOROSO	M. SHIBLES	6/4/10
CHECKED-REVIEWED			
DESIGN2-DETAILED2			
DESIGN3-DETAILED3			
REVISIONS 1			
REVISIONS 2			
REVISIONS 3			
REVISIONS 4			
FIELD CHANGES			

SIGNATURE

P.E. NUMBER

DATE

TOWNSHIP D
ROUTE 17

CROSS SECTIONS

3+50

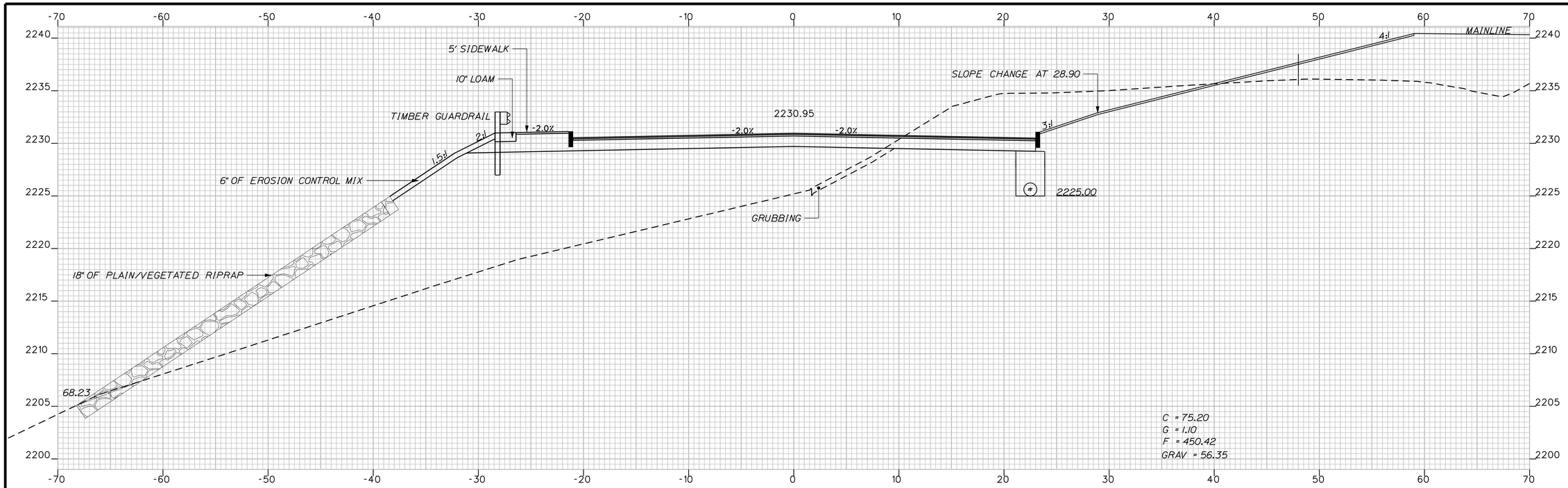
3+00

SHEET NUMBER

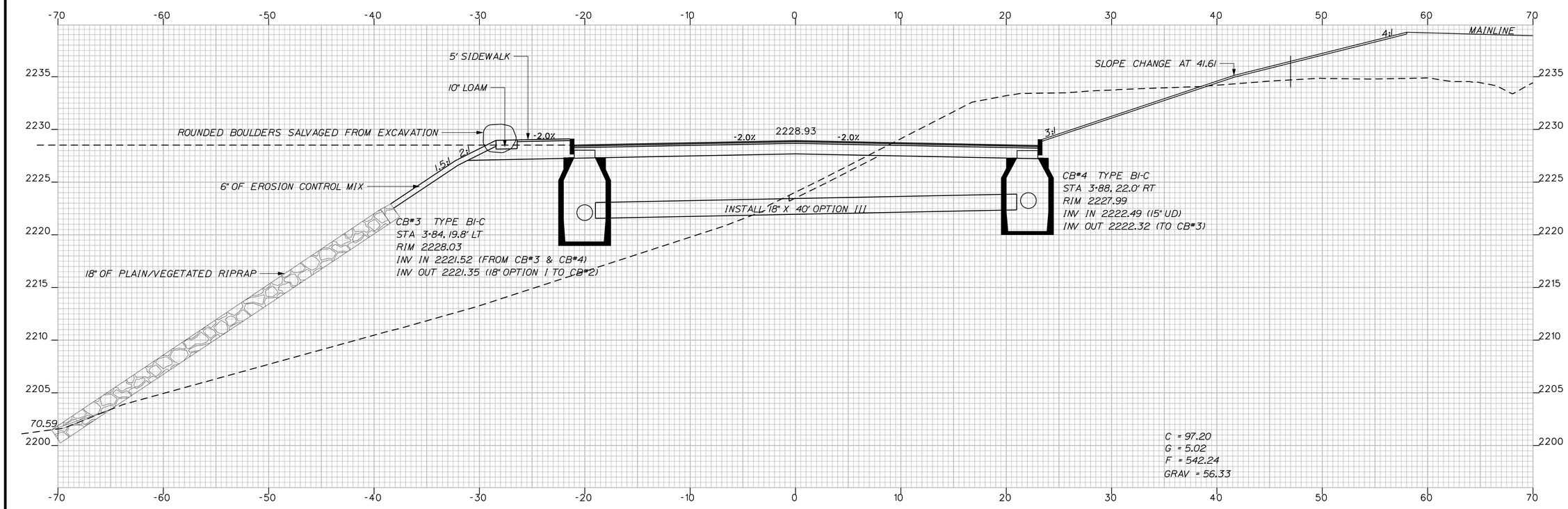
59

OF 74

Filename: ...\msta\059_XSMC40_dr_004.dgn Division: HIGHWAY Username: norma.gilman Date:6/17/2010



4+50.00
SCENIC VISTA



4+00.00
SCENIC VISTA

STATE OF MAINE
DEPARTMENT OF TRANSPORTATION

SB-ME-98(007)

PIN
8670.10

HIGHWAY PLANS

PROJ. MANAGER	H. COWAN	BY	DATE
DESIGN-DETAILED	S. AMOROSO	M. SHIBLES	6/4/10
CHECKED-REVIEWED			
DESIGN2-DETAILED2			
DESIGN3-DETAILED3			
REVISIONS 1			
REVISIONS 2			
REVISIONS 3			
REVISIONS 4			
FIELD CHANGES			

SIGNATURE

P.E. NUMBER

DATE

TOWNSHIP D
ROUTE 17

CROSS SECTIONS

4+50

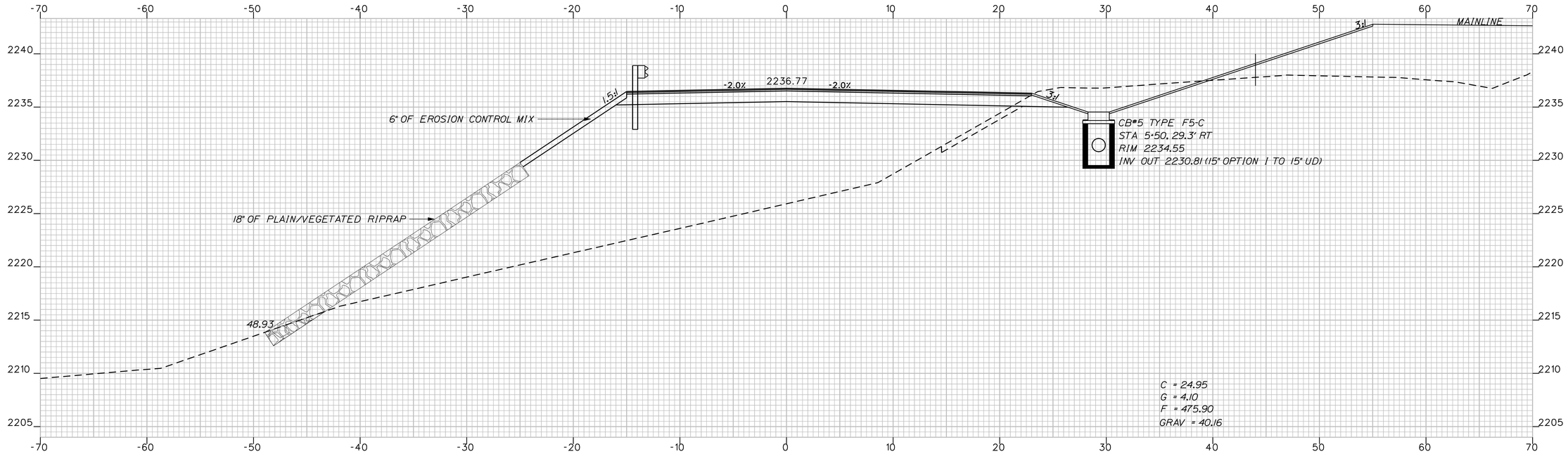
4+00

SHEET NUMBER

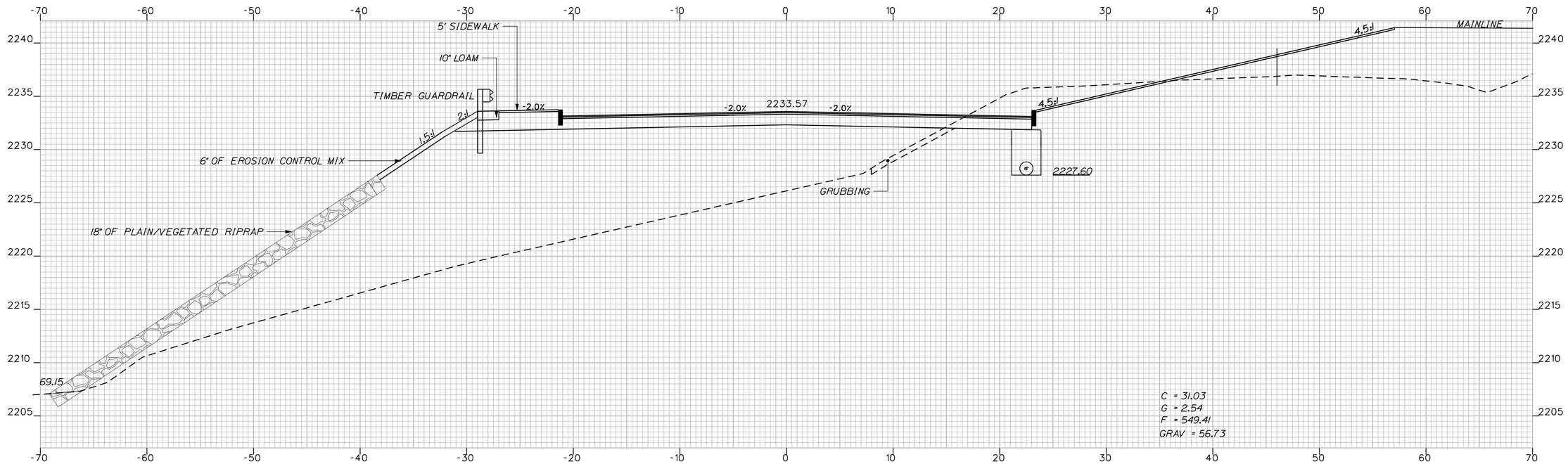
60

OF 74

Filename: ...\msto\060_XSMC40_dr_005.dgn Division: HIGHWAY Username: norma.gilman Date:6/17/2010



5+50.00
SCENIC VISTA



5+00.00
SCENIC VISTA

STATE OF MAINE
DEPARTMENT OF TRANSPORTATION

SB-ME-98(007)

PIN
8670.10

HIGHWAY PLANS

PROJ. MANAGER	H. COWAN	BY	DATE
DESIGN-DETAILED	S. AMOROSO	M. SHIELES	6/4/10
CHECKED-REVIEWED			
DESIGN2-DETAILED2			
DESIGN3-DETAILED3			
REVISIONS 1			
REVISIONS 2			
REVISIONS 3			
REVISIONS 4			
FIELD CHANGES			

SIGNATURE

P.E. NUMBER

DATE

TOWNSHIP D
ROUTE 17

CROSS SECTIONS

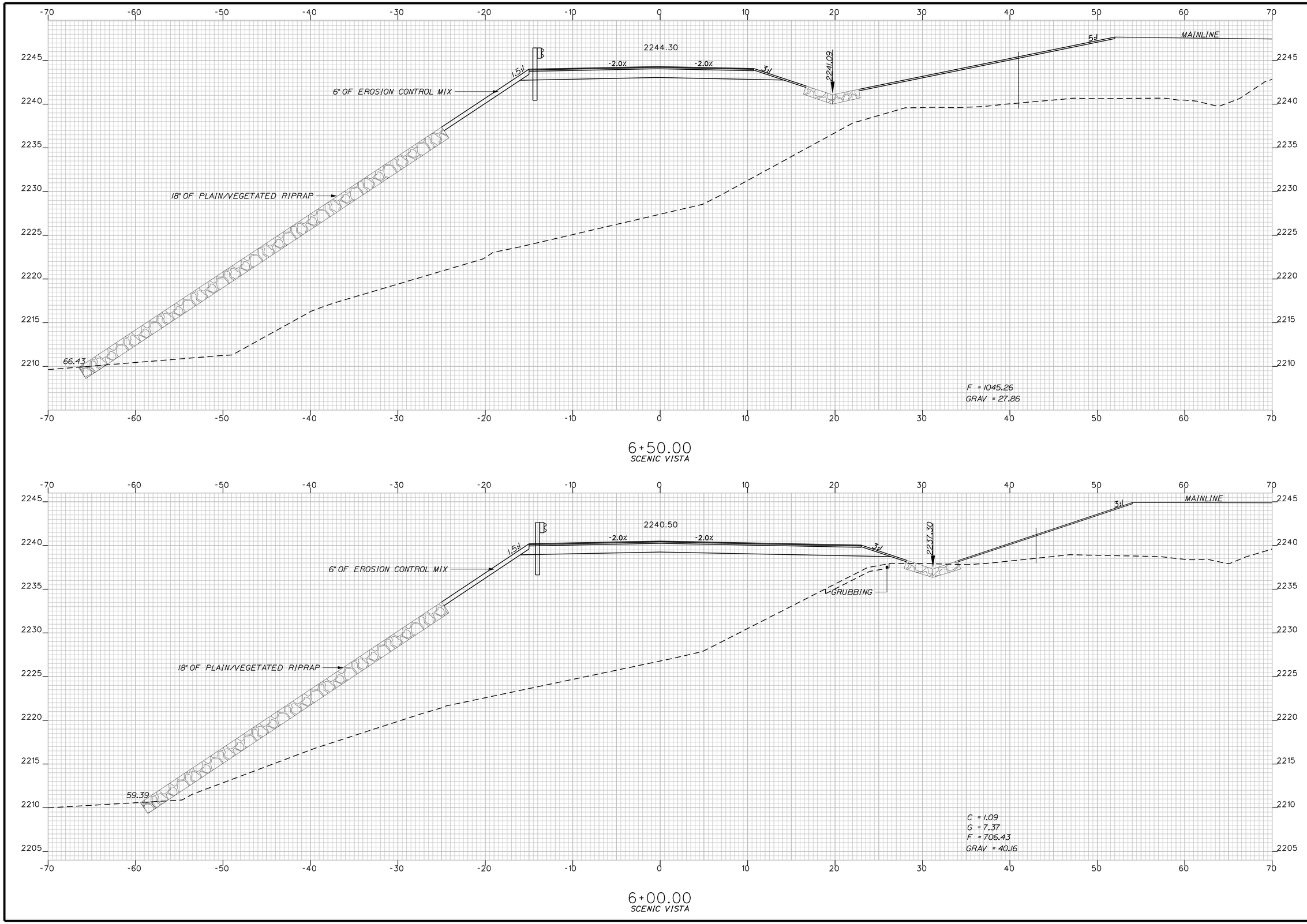
5+00 5+50

SHEET NUMBER

61

OF 74

Filename: ...\msta\061_XSMC40_dr_006.dgn Division: HIGHWAY Username: norma.gilman Date:6/17/2010



STATE OF MAINE
DEPARTMENT OF TRANSPORTATION

SB-ME-98(007)

PIN 8670.10

HIGHWAY PLANS

	SIGNATURE	P.E. NUMBER	DATE

PROJ. MANAGER	H. COWAN	BY	DATE
DESIGN-DETAILED	S. AMORGOSO	M. SHIBLES	6/4/10
CHECKED-REVIEWED			
DESIGN2-DETAILED2			
DESIGN3-DETAILED3			
REVISIONS 1			
REVISIONS 2			
REVISIONS 3			
REVISIONS 4			
FIELD CHANGES			

TOWNSHIP D
ROUTE 17

CROSS SECTIONS

6+50

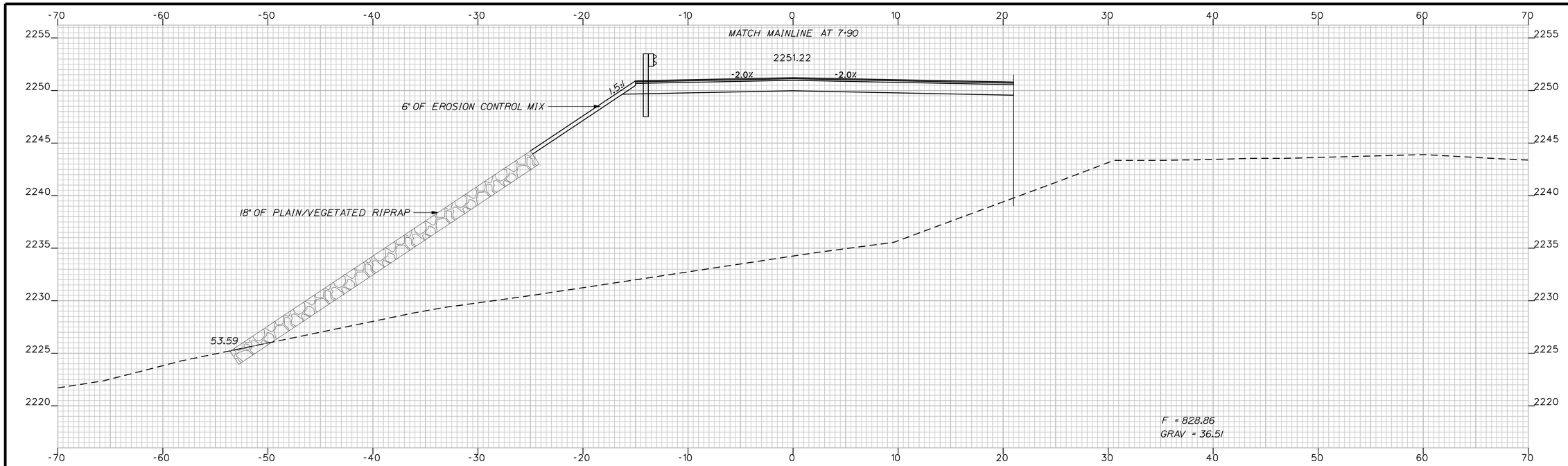
6+00

SHEET NUMBER

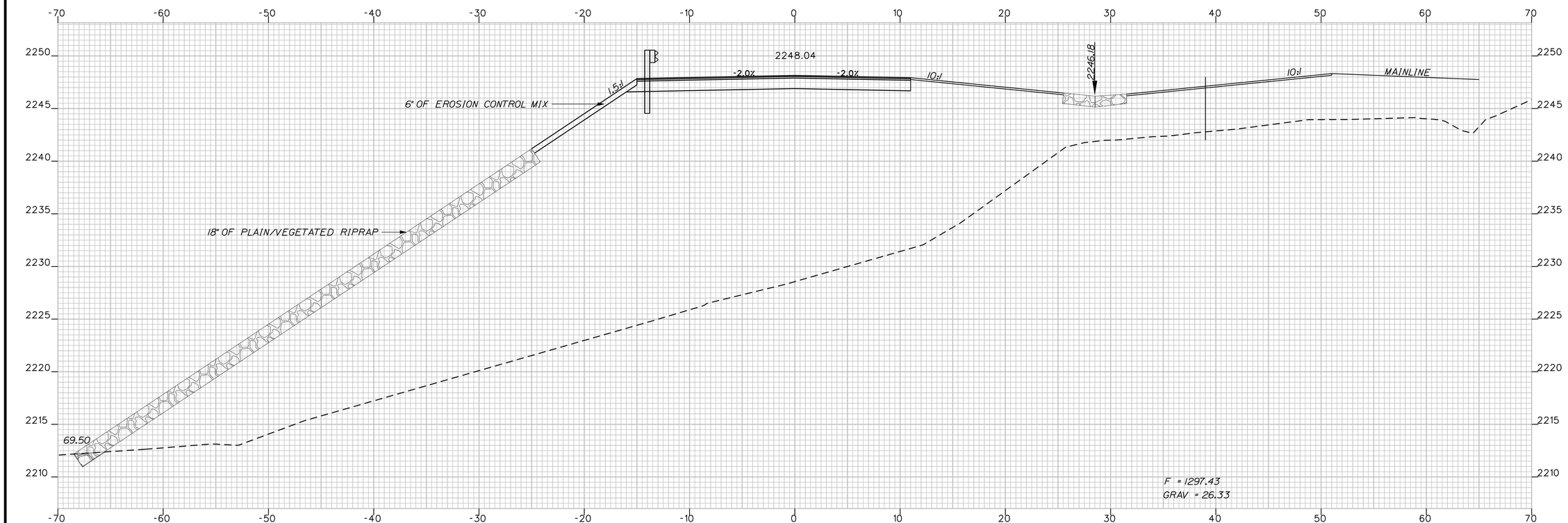
62

OF 74

Filename: ...\msta\062_XSMC40_dr_007.dgn Division: HIGHWAY Username: norma.gilman Date:6/17/2010



7+50.00
SCENIC VISTA



7+00.00
SCENIC VISTA

STATE OF MAINE
DEPARTMENT OF TRANSPORTATION

SB-ME-98(007)

PIN
8670.10

HIGHWAY PLANS

PROJ. MANAGER	H. COWAN	BY	DATE
DESIGN-DETAILED	S. AMOROSO	M. SHIBLES	6/4/10
CHECKED-REVIEWED			
DESIGN2-DETAILED2			
DESIGN3-DETAILED3			
REVISIONS 1			
REVISIONS 2			
REVISIONS 3			
REVISIONS 4			
FIELD CHANGES			

SIGNATURE

P.E. NUMBER

DATE

TOWNSHIP D
ROUTE 17

CROSS SECTIONS

7+50

7+00

SHEET NUMBER

63

OF 74

Filename: ...\msta\063_XSMC40_dr_008.dgn Division: HIGHWAY Username: norma.gilman Date:6/17/2010

Filename: ...\msta\064_Boring Logs1.dgn Division: HIGHWAY Username: norma.gilman Date:6/17/2010

Maine Department of Transportation — Soil/Rock Exploration Log — US CUSTOMARY UNITS

Project: Route 17 — Location: Township D, Maine — Boring No.: HB-TWPD-101 — PIN: 8670.10

Driller:	MaineDOT	Elevation (ft.)	2035.0	Auger ID/OD:	5" Dia.
Operator:	E. Giguere	Datum:	NGVD 88	Sampler:	Off Flights
Logged By:	B. Wilder	Rig Type:	CME 45C	Hammer Wt./Fall:	N/A
Date Start/Finish:	12/1/05-12/1/05	Drilling Method:	Solid Stem Auger	Core Barrel:	N/A
Boring Location:	2+00, 12.0 Rt.	Casing ID/OD:	N/A	Water Level*:	6.0' bgs.

Definitions: D = Split Spoon Sample; MD = Unsuccessful Split Spoon Sample attempt; U = Thin Wall Tube Sample; R = Rock Core Sample; V = Insitu Vane Shear Test; SSA = Solid Stem Auger; S_u = Insitu Field Vane Shear Strength (psf); T_v = Pocket Torvane Shear Strength (psf); q_p = Unconfined Compressive Strength (ksf); $S_{u(lab)}$ = Lab Vane Shear Strength (psf); WOH = weight of 140lbs. hammer; WOR = weight of rods; WOC = weight of casing; 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) or RQD (%)	N-value	Casing Blows	Elevation (ft.)	Graphic Log	Visual Description and Remarks	Laboratory Testing Results/ AASHTO and Unified Class
0						SSA			Brown, moist, gravelly, fine to coarse SAND, little silt.	
							2033.8		1.20	
									Brown, wet, silty, fine to medium SAND, little gravel, cobbles, (Till).	
5										
10							2025.0		10.00 Bottom of Exploration at 10.00 feet below ground surface. NO REFUSAL	
15										
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-TWPD-101

Maine Department of Transportation — Soil/Rock Exploration Log — US CUSTOMARY UNITS

Project: Route 17 — Location: Township D, Maine — Boring No.: HB-TWPD-102 — PIN: 8670.10

Driller:	MaineDOT	Elevation (ft.)	2031.0	Auger ID/OD:	5" Dia.
Operator:	E. Giguere	Datum:	NGVD 88	Sampler:	Off Flights
Logged By:	B. Wilder	Rig Type:	CME 45C	Hammer Wt./Fall:	N/A
Date Start/Finish:	12/1/05-12/1/05	Drilling Method:	Solid Stem Auger	Core Barrel:	N/A
Boring Location:	4+00, 13.0 Rt.	Casing ID/OD:	N/A	Water Level*:	5.5' bgs.

Depth (ft.)	Sample No.	Pen./Rec. (in.)	Sample Depth (ft.)	Blows (/6 in.) Shear Strength (psf) or RQD (%)	N-value	Casing Blows	Elevation (ft.)	Graphic Log	Visual Description and Remarks	Laboratory Testing Results/ AASHTO and Unified Class
0						SSA	2030.8		PAVEMENT. 0.20	
	S1		0.20 - 2.40						Brown, moist, gravelly, fine to coarse SAND, little silt.	
									2.40	
	S2		2.40 - 10.00				2028.6		Grey, saturated, fine to coarse SAND, little gravel, little silt.	
5										
10							2021.0		10.00 Bottom of Exploration at 10.00 feet below ground surface. NO REFUSAL	
15										
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-TWPD-102

Maine Department of Transportation — Soil/Rock Exploration Log — US CUSTOMARY UNITS

Project: Route 17 — Location: Township D, Maine — Boring No.: HB-TWPD-103 — PIN: 8670.10

Driller:	MaineDOT	Elevation (ft.)	2041.1	Auger ID/OD:	5" Dia.
Operator:	E. Giguere	Datum:	NGVD 88	Sampler:	Off Flights
Logged By:	B. Wilder	Rig Type:	CME 45C	Hammer Wt./Fall:	N/A
Date Start/Finish:	12/1/05-12/1/05	Drilling Method:	Solid Stem Auger	Core Barrel:	N/A
Boring Location:	8+00, 5.0 Rt.	Casing ID/OD:	N/A	Water Level*:	3.5' bgs.

Depth (ft.)	Sample No.	Pen./Rec. (in.)	Sample Depth (ft.)	Blows (/6 in.) Shear Strength (psf) or RQD (%)	N-value	Casing Blows	Elevation (ft.)	Graphic Log	Visual Description and Remarks	Laboratory Testing Results/ AASHTO and Unified Class
0						SSA	2040.6		PAVEMENT. 0.60	
									Brown, damp, gravelly, fine to coarse SAND, little silt.	
							2038.6		2.50	
									Light brown, wet, fine to coarse SAND, some silt, little gravel, wetter with depth.	
5										
10							2031.1		10.00 Bottom of Exploration at 10.00 feet below ground surface. NO REFUSAL	
15										
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-TWPD-103

Maine Department of Transportation — Soil/Rock Exploration Log — US CUSTOMARY UNITS

Project: Route 17 — Location: Township D, Maine — Boring No.: HB-TWPD-104 — PIN: 8670.10

Driller:	MaineDOT	Elevation (ft.)	2049.4	Auger ID/OD:	5" Dia.
Operator:	E. Giguere	Datum:	NGVD 88	Sampler:	Off Flights
Logged By:	B. Wilder	Rig Type:	CME 45C	Hammer Wt./Fall:	N/A
Date Start/Finish:	12/1/05-12/1/05	Drilling Method:	Solid Stem Auger	Core Barrel:	N/A
Boring Location:	10+90, 6.0 Rt.	Casing ID/OD:	N/A	Water Level*:	None Observed

Depth (ft.)	Sample No.	Pen./Rec. (in.)	Sample Depth (ft.)	Blows (/6 in.) Shear Strength (psf) or RQD (%)	N-value	Casing Blows	Elevation (ft.)	Graphic Log	Visual Description and Remarks	Laboratory Testing Results/ AASHTO and Unified Class
0						SSA			PAVEMENT.	
							2048.5		0.90 Brown, damp, gravelly, fine to coarse SAND, trace silt, cobbles, (Fill Area).	
5										
							2042.4		7.00 Light brown, moist, fine to coarse SAND, some silt.	
10							2039.4		10.00 Bottom of Exploration at 10.00 feet below ground surface. NO REFUSAL	
15										
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-TWPD-104

Maine Department of Transportation — Soil/Rock Exploration Log — US CUSTOMARY UNITS

Project: Route 17 — Location: Township D, Maine — Boring No.: HB-TWPD-105 — PIN: 8670.10

Driller:	MaineDOT	Elevation (ft.)	2097.6	Auger ID/OD:	5" Dia.
Operator:	E. Giguere	Datum:	NGVD 88	Sampler:	Off Flights
Logged By:	B. Wilder	Rig Type:	CME 45C	Hammer Wt./Fall:	N/A
Date Start/Finish:	12/1/05-12/1/05	Drilling Method:	Solid Stem Auger	Core Barrel:	N/A
Boring Location:	17+55, 6.5 Lt.	Casing ID/OD:	N/A	Water Level*:	7.0' bgs.

Depth (ft.)	Sample No.	Pen./Rec. (in.)	Sample Depth (ft.)	Blows (/6 in.) Shear Strength (psf) or RQD (%)	N-value	Casing Blows	Elevation (ft.)	Graphic Log	Visual Description and Remarks	Laboratory Testing Results/ AASHTO and Unified Class
0						SSA	2097.1		PAVEMENT. 0.50	
	S3		1.70 - 10.00						Brown, damp, gravelly, fine to coarse sandy SILT, little silt.	
							2095.5		1.70	
									Olive-brown, moist, fine to coarse sandy SILT, little gravel, (Till).	
5										
10							2087.6		10.00 Bottom of Exploration at 10.00 feet below ground surface. NO REFUSAL	
15										
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-TWPD-105

Maine Department of Transportation — Soil/Rock Exploration Log — US CUSTOMARY UNITS

Project: Route 17 — Location: Township D, Maine — Boring No.: HB-TWPD-106 — PIN: 8670.10

Driller:	MaineDOT	Elevation (ft.)	2142.5	Auger ID/OD:	5" Dia.
Operator:	E. Giguere	Datum:	NGVD 88	Sampler:	Off Flights
Logged By:	B. Wilder	Rig Type:	CME 45C	Hammer Wt./Fall:	N/A
Date Start/Finish:	12/1/05-12/1/05	Drilling Method:	Solid Stem Auger	Core Barrel:	N/A
Boring Location:	24+20, 5.0 Rt.	Casing ID/OD:	N/A	Water Level*:	None Observed

Depth (ft.)	Sample No.	Pen./Rec. (in.)	Sample Depth (ft.)	Blows (/6 in.) Shear Strength (psf) or RQD (%)	N-value	Casing Blows	Elevation (ft.)	Graphic Log	Visual Description and Remarks	Laboratory Testing Results/ AASHTO and Unified Class
0						SSA	2142.0		PAVEMENT. 0.50	
									Brown, damp, gravelly, fine to coarse SAND, little silt.	
							2140.4		2.10	
									Dark brown, wet, fine to coarse sandy-SILT, some organics.	
							2139.1		3.40	
									Light brown, moist, fine to coarse sandy SILT, little gravel, (Till).	
5										
10							2132.5		10.00 Bottom of Exploration at 10.00 feet below ground surface. NO REFUSAL	
15										
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-TWPD-106

Maine Department of Transportation — Soil/Rock Exploration Log — US CUSTOMARY UNITS

Project: Route 17 — Location: Township D, Maine — Boring No.: HB-TWPD-107 — PIN: 8670.10

Driller:	MaineDOT	Elevation (ft.)	2173.4	Auger ID/OD:	5" Dia.
Operator:	E. Giguere	Datum:	NGVD 88	Sampler:	Off Flights
Logged By:	B. Wilder	Rig Type:	CME 45C	Hammer Wt./Fall:	N/A
Date Start/Finish:	12/1/05-12/1/05	Drilling Method:	Solid Stem Auger	Core Barrel:	N/A
Boring Location:	28+00, 5.0 Rt.	Casing ID/OD:	N/A	Water Level*:	None Observed

Depth (ft.)	Sample No.	Pen./Rec. (in.)	Sample Depth (ft.)	Blows (/6 in.) Shear Strength (psf) or RQD (%)	N-value	Casing Blows	Elevation (ft.)	Graphic Log	Visual Description and Remarks	Laboratory Testing Results/ AASHTO and Unified Class
0						SSA	2172.9		PAVEMENT. 0.45	
							2172.4		Brown, damp, gravelly, fine to coarse SAND, little silt. 1.00	
							2171.9		Light brown, damp, fine to coarse sandy SILT, little gravel, (Till). 1.50	
5										
10										
15										
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-TWPD-107

Maine Department of Transportation — Soil/Rock Exploration Log — US CUSTOMARY UNITS

Project: Route 17 — Location: Township D, Maine — Boring No.: HB-TWPD-108 — PIN: 8670.10

Driller:	MaineDOT	Elevation (ft.)	2190.4	Auger ID/OD:	5" Dia.
Operator:	E. Giguere	Datum:	NGVD 88	Sampler:	Off Flights
Logged By:	B. Wilder	Rig Type:	CME 45C	Hammer Wt./Fall:	N/A
Date Start/Finish:	12/1/05-12/1/05	Drilling Method:	Solid Stem Auger	Core Barrel:	N/A
Boring Location:	32+50, 12.0 Rt.	Casing ID/OD:	N/A	Water Level*:	None Observed

Depth (ft.)	Sample No.	Pen./Rec. (in.)	Sample Depth (ft.)	Blows (/6 in.) Shear Strength (psf) or RQD (%)	N-value	Casing Blows	Elevation (ft.)	Graphic Log	Visual Description and Remarks	Laboratory Testing Results/ AASHTO and Unified Class
0	S4		0.00 - 14.00			SSA			Brown, moist, gravelly, fine to coarse SAND, some silt, little gravel(Fill).	G:DS#181199 A-2-4, SM WC=21.2%
5										
10										
							2176.4		14.00 Light brown, moist, fine to coarse sandy SILT, little gravel, (Till).	
15							2173.9		17.30 Bottom of Exploration at 17.30 feet below ground surface. REFUSAL	
20										
25										

Remarks: DS=Direct Shear Test

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-TWPD-108

STATE OF MAINE
DEPARTMENT OF TRANSPORTATION

SB-ME-98(007)

PIN 8670.10

HIGHWAY PLANS

PROJ. MANAGER	H. COWAN	BY	M. SHIBLES	DATE	6/4/10
DESIGN-DETAILED	S. AMOROSO				
CHECKED-REVIEWED					
DESIGN2-DETAILED2					
DESIGN3-DETAILED3					
REVISIONS 1					
REVISIONS 2					
REVISIONS 3					
REVISIONS 4					
FIELD CHANGES					

SIGNATURE

P.E. NUMBER

DATE

TOWNSHIP D
ROUTE 17

BORING LOGS

SHEET NUMBER

64

OF 74

Filename: ...\msta\065_Boring Logs2.dgn Division: HIGHWAY Username: norma.gilman Date:6/17/2010

Maine Department of Transportation — Soil/Rock Exploration Log — US CUSTOMARY UNITS

Project: Route 17 — Location: Township D, Maine — Boring No.: HB-TWPD-112 — PIN: 8670.10

Driller:	MaineDOT	Elevation (ft.)	1290.9	Auger ID/OD:	5" Dia.
Operator:	E. Giguere	Datum:	NGVD 88	Sampler:	Standard Split Spoon
Logged By:	B. Wilder	Rig Type:	CME 45C	Hammer Wt./Fall:	130#/30"
Date Start/Finish:	12-28/05-12/28/05	Drilling Method:	Solid Stem Auger	Core Barrel:	N/A
Boring Location:	32+50, 8.0 Lt.	Casing ID/OD:	N/A	Water Level*:	None Observed

Definitions: D = Split Spoon Sample; MD = Unsuccessful Split Spoon Sample attempt; U = Thin Wall Tube Sample; R = Rock Core Sample; V = Insitu Vane Shear Test; SSA = Solid Stem Auger; S_u = Insitu Field Vane Shear Strength (psf); T_v = Pocket Torvane Shear Strength (psf); q_p = Unconfined Compressive Strength (ksf); $S_{u(lab)}$ = Lab Vane Shear Strength (psf); WOH = weight of 140lb. hammer; WOR = weight of rods; WOC = weight of casing; 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) or RQD (%)	N-value	Casing Blows	Elevation (ft.)	Graphic Log	Visual Description and Remarks	Laboratory Testing Results/ AASHTO and Unified Class.
0						SSA	1290.6		PAVEMENT. Gray, medium dense, SAND, some silt, little gravel. (0.35)	
5	1D	20.4/14	5.00 - 6.70	5/8/20/50|2.4")	28		1284.2			GM|A2542 A-2-4, SM WC=14.7%
							1283.4		LEDGE REFUSAL at 6.7' bgs, augered into rock to 7.5' bgs. (6.70); Bottom of Exploration at 7.50 feet below ground surface. (7.50)	
10										
15										
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-TWPD-112

Maine Department of Transportation — Soil/Rock Exploration Log — US CUSTOMARY UNITS

Project: Route 17 — Location: Township D, Maine — Boring No.: HB-TWPD-113 — PIN: 8670.10

Driller:	MaineDOT	Elevation (ft.)	1291.6	Auger ID/OD:	5" Dia.
Operator:	E. Giguere	Datum:	NGVD 88	Sampler:	Standard Split Spoon
Logged By:	B. Wilder	Rig Type:	CME 45C	Hammer Wt./Fall:	130#/30"
Date Start/Finish:	12-28/05-12/28/05	Drilling Method:	Solid Stem Auger	Core Barrel:	N/A
Boring Location:	32+75, 6.0 Lt.	Casing ID/OD:	N/A	Water Level*:	8.5' bgs.

Definitions: D = Split Spoon Sample; MD = Unsuccessful Split Spoon Sample attempt; U = Thin Wall Tube Sample; R = Rock Core Sample; V = Insitu Vane Shear Test; SSA = Solid Stem Auger; S_u = Insitu Field Vane Shear Strength (psf); T_v = Pocket Torvane Shear Strength (psf); q_p = Unconfined Compressive Strength (ksf); $S_{u(lab)}$ = Lab Vane Shear Strength (psf); WOH = weight of 140lb. hammer; WOR = weight of rods; WOC = weight of casing; 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) or RQD (%)	N-value	Casing Blows	Elevation (ft.)	Graphic Log	Visual Description and Remarks	Laboratory Testing Results/ AASHTO and Unified Class.
0						SSA				
5									Saturated soil at 8.5' bgs.	
10	1D	18/6	10.00 - 11.50	2/3/3	5		1281.6		Brown, wet, loose, sandy GRAVEL, some silt. (10.00)	GM|A2543 A-1-b, GM WC=12.7%
							1280.1		Bottom of Exploration at 11.50 feet below ground surface. REFUSAL (11.50)	
15										
20										
25										

Remarks: Almost nothing came out on the auger flights. We had to get Maintenance to bring sand to fill in the hole.

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-TWPD-113

Maine Department of Transportation — Soil/Rock Exploration Log — US CUSTOMARY UNITS

Project: Route 17 — Location: Township D, Maine — Boring No.: HB-TWPD-109 — PIN: 8670.10

Driller:	MaineDOT	Elevation (ft.)	2213.8	Auger ID/OD:	5" Dia.
Operator:	E. Giguere	Datum:	NGVD 88	Sampler:	Off Flights
Logged By:	B. Wilder	Rig Type:	CME 45C	Hammer Wt./Fall:	N/A
Date Start/Finish:	12/1/05-12/1/05	Drilling Method:	Solid Stem Auger	Core Barrel:	N/A
Boring Location:	38+80, 16.0 Lt.	Casing ID/OD:	N/A	Water Level*:	None Observed

Definitions: D = Split Spoon Sample; MD = Unsuccessful Split Spoon Sample attempt; U = Thin Wall Tube Sample; R = Rock Core Sample; V = Insitu Vane Shear Test; SSA = Solid Stem Auger; S_u = Insitu Field Vane Shear Strength (psf); T_v = Pocket Torvane Shear Strength (psf); q_p = Unconfined Compressive Strength (ksf); $S_{u(lab)}$ = Lab Vane Shear Strength (psf); WOH = weight of 140lb. hammer; WOR = weight of rods; WOC = weight of casing; 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) or RQD (%)	N-value	Casing Blows	Elevation (ft.)	Graphic Log	Visual Description and Remarks	Laboratory Testing Results/ AASHTO and Unified Class.
0						SSA	2213.3		PAVEMENT. Brown, damp, gravelly, fine to coarse SAND, little silt. (0.45)	
5							2211.3		Light brown, moist, fine to coarse sandy SILT, little gravel. (2.50)	
							2210.2		Bottom of Exploration at 3.60 feet below ground surface. REFUSAL (3.60)	
10										
15										
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-TWPD-109

Maine Department of Transportation — Soil/Rock Exploration Log — US CUSTOMARY UNITS

Project: Route 17 — Location: Township D, Maine — Boring No.: HB-TWPD-110 — PIN: 8670.10

Driller:	MaineDOT	Elevation (ft.)	2220.3	Auger ID/OD:	5" Dia.
Operator:	E. Giguere	Datum:	NGVD 88	Sampler:	Off Flights
Logged By:	B. Wilder	Rig Type:	CME 45C	Hammer Wt./Fall:	N/A
Date Start/Finish:	12/1/05-12/1/05	Drilling Method:	Solid Stem Auger	Core Barrel:	N/A
Boring Location:	41+50, 22.0 Lt.	Casing ID/OD:	N/A	Water Level*:	None Observed

Definitions: D = Split Spoon Sample; MD = Unsuccessful Split Spoon Sample attempt; U = Thin Wall Tube Sample; R = Rock Core Sample; V = Insitu Vane Shear Test; SSA = Solid Stem Auger; S_u = Insitu Field Vane Shear Strength (psf); T_v = Pocket Torvane Shear Strength (psf); q_p = Unconfined Compressive Strength (ksf); $S_{u(lab)}$ = Lab Vane Shear Strength (psf); WOH = weight of 140lb. hammer; WOR = weight of rods; WOC = weight of casing; 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) or RQD (%)	N-value	Casing Blows	Elevation (ft.)	Graphic Log	Visual Description and Remarks	Laboratory Testing Results/ AASHTO and Unified Class.
0	S5		0.40 - 5.50			SSA	2219.9		PAVEMENT. Brown, damp, gravelly, fine to coarse SAND, trace silt. (0.40)	
5							2214.8		Bottom of Exploration at 5.50 feet below ground surface. (5.50)	
10										
15										
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-TWPD-110

Maine Department of Transportation — Soil/Rock Exploration Log — US CUSTOMARY UNITS

Project: Route 17 — Location: Township D, Maine — Boring No.: HB-TWPD-111 — PIN: 8670.10

Driller:	MaineDOT	Elevation (ft.)	2240.4	Auger ID/OD:	5" Dia.
Operator:	E. Giguere	Datum:	NGVD 88	Sampler:	Off Flights
Logged By:	B. Wilder	Rig Type:	CME 45C	Hammer Wt./Fall:	N/A
Date Start/Finish:	12/1/05-12/1/05	Drilling Method:	Solid Stem Auger	Core Barrel:	N/A
Boring Location:	48+50, 32.0 Lt.	Casing ID/OD:	N/A	Water Level*:	None Observed

Definitions: D = Split Spoon Sample; MD = Unsuccessful Split Spoon Sample attempt; U = Thin Wall Tube Sample; R = Rock Core Sample; V = Insitu Vane Shear Test; SSA = Solid Stem Auger; S_u = Insitu Field Vane Shear Strength (psf); T_v = Pocket Torvane Shear Strength (psf); q_p = Unconfined Compressive Strength (ksf); $S_{u(lab)}$ = Lab Vane Shear Strength (psf); WOH = weight of 140lb. hammer; WOR = weight of rods; WOC = weight of casing; 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) or RQD (%)	N-value	Casing Blows	Elevation (ft.)	Graphic Log	Visual Description and Remarks	Laboratory Testing Results/ AASHTO and Unified Class.
0	S6		0.00 - 4.00			SSA			Brown, moist, gravelly, fine to coarse SAND, trace silt.	
5	S7		4.00 - 15.00				2236.4		Light brown, damp, silty, fine to medium SAND, little gravel. (4.00)	
10										
15							2225.4		Bottom of Exploration at 15.00 feet below ground surface. AUGER BROKE OFF AT 15.0' (15.00)	
20										
25										

Remarks: Blew a hydraulic hose and spilled 3 gallons of hydraulic oil. call environment office.

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-TWPD-111

State of Maine - Department of Transportation
Power Auger Probe Summary Sheet

Town(s): Township D — Project Number: 8670.10

Station (Feet)	Offset (Feet)	Weathered Rock (Feet)	Refusal (Feet)	No. Refusal (Feet)	Water Depth (Ft.)	Comments / Date 12/1/2005
29+00	3.5 Rt.		7.4			
29+00	16.0 Rt.					Ledge Outcrop
31+00	5.0 Rt.		3.4			
31+00	18.5 Rt.					Ledge Outcrop
34+00	4.0 Rt.		2.1			
34+00	12.6 Rt.					Ledge Outcrop
36+00	11.5 Lt.		2.8			
36+00	1.5 Rt.					Ledge Outcrop
38+00	24.0 Lt.		4.3			
40+00	15.0 Lt.		9.3			
						10/10/2006
31+50	13.7 Lt.	11.4	11.9			
32+00	13.1 Lt.	11.2	11.9		9.7	
32+25	12.3 Lt.	5.3	6.4			
33+00	11.8 Lt.	6.7	7.1		6.3	
33+50	11.8 Lt.	1.7	2.3			
34+00	12.4 Lt.	13.6	14.1		8.3	
34+25	11.6 Lt.	7.0	7.6			
34+50	12.3 Lt.	8.0	8.2		6.0	

STATE OF MAINE
DEPARTMENT OF TRANSPORTATION

SB-ME-98(007)

PIN 8670.10

HIGHWAY PLANS

PROJ. MANAGER	H. COWAN		
DESIGN-DETAILED	S. AMORGOSO	M. SHIELES	6/4/10
CHECKED-REVIEWED			
DESIGN2-DETAILED2			
DESIGN3-DETAILED3			
REVISIONS 1			
REVISIONS 2			
REVISIONS 3			
REVISIONS 4			
FIELD CHANGES			

SIGNATURE

P.E. NUMBER

DATE

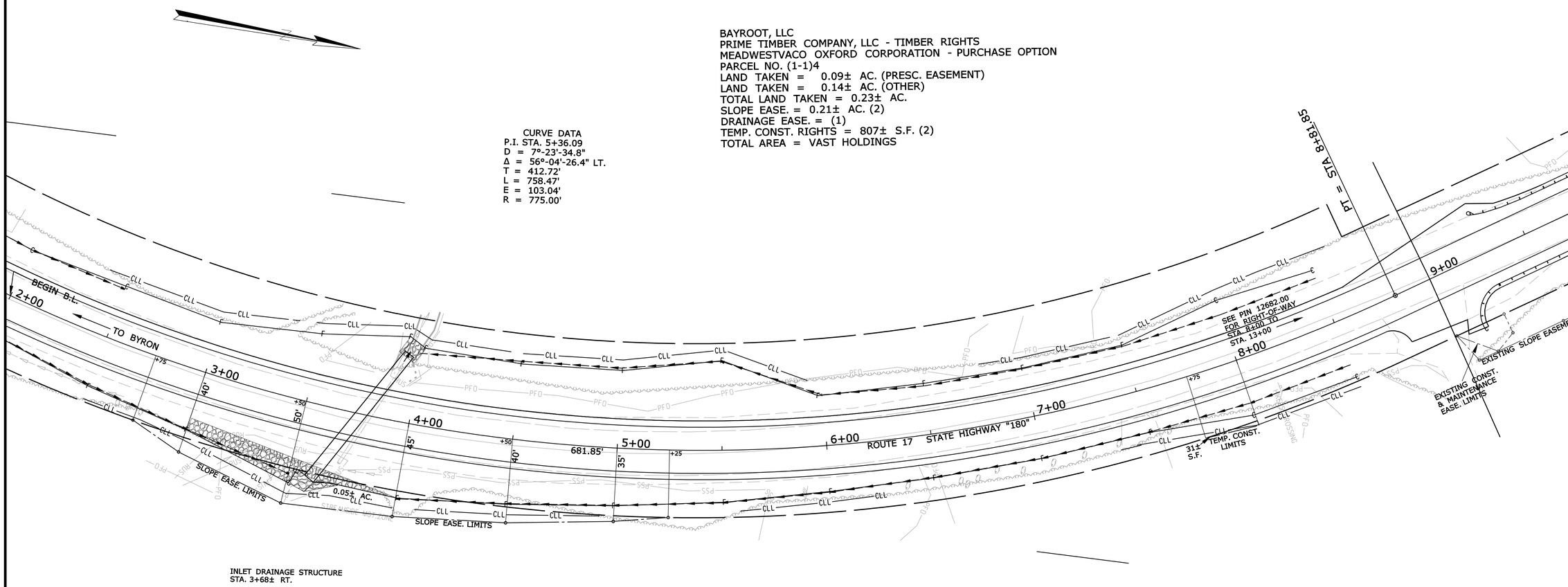
TOWNSHIP D
ROUTE 17

BORING LOGS

SHEET NUMBER
65
OF 74

BAYROOT, LLC
PRIME TIMBER COMPANY, LLC - TIMBER RIGHTS
MEADWESTVACO OXFORD CORPORATION - PURCHASE OPTION
PARCEL NO. (1-1)4
LAND TAKEN = 0.09± AC. (PRESC. EASEMENT)
LAND TAKEN = 0.14± AC. (OTHER)
TOTAL LAND TAKEN = 0.23± AC.
SLOPE EASE. = 0.21± AC. (2)
DRAINAGE EASE. = (1)
TEMP. CONST. RIGHTS = 807± S.F. (2)
TOTAL AREA = VAST HOLDINGS

CURVE DATA
P.I. STA. 5+36.09
D = 7°-23'-34.8"
Δ = 56°-04'-26.4" LT.
T = 412.72'
L = 758.47'
R = 775.00'



INLET DRAINAGE STRUCTURE
STA. 3+68± RT.

BAYROOT, LLC
PRIME TIMBER COMPANY, LLC - TIMBER RIGHTS
MEADWESTVACO OXFORD CORPORATION - PURCHASE OPTION
ITEM NO. (1-2)4
SLOPE EASE. = 0.09± AC. (2)
DRAINAGE EASE. = (1)
TEMP. CONST. RIGHTS = 1,853± S.F. (2)
TOTAL AREA = VAST HOLDINGS

EXISTING RIGHT-OF-WAY REFERENCES:

S.H.C. FILE NO. 4-14

FOR STA. 8+00 TO 13+00 SEE D.O.T. FILE NO. 4-230A

NOTE: PRESCRIPTIVE EASEMENT
FOR HIGHWAY PURPOSES WITHIN
LIMITS OF WROUGHT PORTION

PIN 8670.10

NOTE:
THIS PLAN WAS PREPARED IN CONNECTION WITH THE DEPARTMENT'S ACQUISITION OF REAL PROPERTY FOR TRANSPORTATION PURPOSES. IT CAN NOT BE USED OR RELIED UPON TO ESTABLISH LEGAL BOUNDARIES BETWEEN ABUTTING PROPERTY OWNERS.

SYMBOLS
- ● I.P. (IRON PIPE or PIN)
- □ S.T. (SEPTIC TANK)
- ⊠ (ROW MONUMENT)
- &BM (TRAVERSE POINT)
- ○WELL (WELL)
- GRADING LIMIT LINE
- CONSTRUCTION LIMIT LINE
- PROPERTY LINE
- LIMITS OF WROUGHT PORTION
- EXISTING Right OF WAY
- NEW RIGHT OF WAY
- NEW ROW WITHIN EXIST. ROW
- CONTROL OF ACCESS
- WATER LINE
- GAS LINE
- ELECTRIC LINE
- TELEPHONE LINE
- SEWER LINE

ITEM	TECH	CHECKED
BASE MAP		
EXIST. R/W	PNS	
PROP. LINES	PNS	
AREAS	PNS	

STATE OF MAINE
DEPARTMENT OF TRANSPORTATION
16 STATE HOUSE STATION - AUGUSTA, ME 04333-0016

RIGHT OF WAY MAP

REVISIONS

NO.	DATE	DESCRIPTION	BY

PLAN FILED IN PLAN BOOK PAGE COUNTY RECORD

NO.	GRANTOR	INSTRUMENT	DATE	BOOK	PAGE
		COND	12-18-2006	2848	317

STATE OF MAINE
REGISTRY OF DEEDS
COUNTY _____
RECEIVED _____, _____
at ____h____m____ M and recorded in
Plan Book _____, Page _____
Attest: _____
REGISTER

DAVID A. COLE
COMMISSIONER
JOHN E. DORITY
CHIEF ENGINEER
DATE

STATE OF MAINE
JOHN E. DORITY
No. 2093
LICENSED
PROFESSIONAL ENGINEER

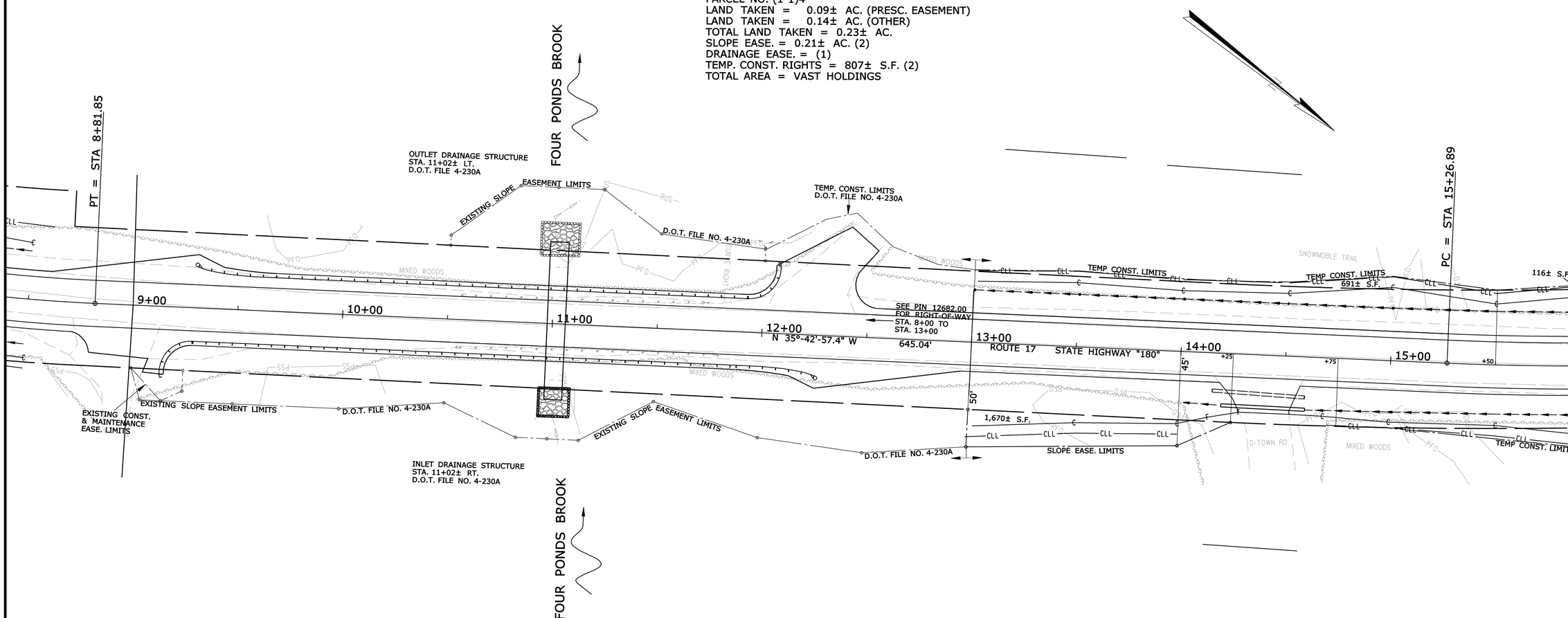
STATE HIGHWAY "180"
ROUTE 17
TOWNSHIP D FRANKLIN COUNTY
FEDERAL AID PROJECT NO. SB-ME-98(007)

JUNE 2006 | RIGHT-OF-WAY MAP | D.O.T. FILE NO. 4-230
SCALE 1" = 25' | SHEET 1 OF 9

SHEET NUMBER
66
OF 74

Filename: ...\highway\msta\066_RWPLAN1.dgn Division: HIGHWAY Username: norma.gilman Date:6/17/2010

BAYROOT, LLC
PRIME TIMBER COMPANY, LLC - TIMBER RIGHTS
MEADWESTVACO OXFORD CORPORATION - PURCHASE OPTION
PARCEL NO. (1-1)4
LAND TAKEN = 0.09± AC. (PRESC. EASEMENT)
LAND TAKEN = 0.14± AC. (OTHER)
TOTAL LAND TAKEN = 0.23± AC.
SLOPE EASE. = 0.21± AC. (2)
DRAINAGE EASE. = (1)
TEMP. CONST. RIGHTS = 807± S.F. (2)
TOTAL AREA = VAST HOLDINGS



BAYROOT, LLC
PRIME TIMBER COMPANY, LLC - TIMBER RIGHTS
MEADWESTVACO OXFORD CORPORATION - PURCHASE OPTION
ITEM NO. (1-2)4
SLOPE EASE. = 0.09± AC. (2)
DRAINAGE EASE. = (1)
TEMP. CONST. RIGHTS = 1,853± S.F. (2)
TOTAL AREA = VAST HOLDINGS

EXISTING RIGHT-OF-WAY REFERENCES:

S.H.C. FILE NO. 4-14

FOR STA. 8+00 TO 13+00 SEE D.O.T. FILE NO. 4-230A

NOTE: PRESCRIPTIVE EASEMENT
FOR HIGHWAY PURPOSES WITHIN
LIMITS OF WROUGHT PORTION

PIN 8670.10

NOTE:
THIS PLAN WAS PREPARED IN CONNECTION WITH THE DEPARTMENT'S ACQUISITION OF REAL PROPERTY FOR TRANSPORTATION PURPOSES. IT CAN NOT BE USED OR RELIED UPON TO ESTABLISH LEGAL BOUNDARIES BETWEEN ABUTTING PROPERTY OWNERS.

SYMBOLS
- (WELL)
- GRADING LIMIT LINE
- CONSTRUCTION LIMIT LINE
- PROPERTY LINE PL
- LIMITS OF WROUGHT FORTION
- EXISTING RIGHT OF WAY
- NEW RIGHT OF WAY
- NEW ROW WITHIN EXIST. ROW
- CONTROL OF ACCESS
- I.P. (IRON PIPE or PIN)
- S.T. (SEPTIC TANK)
- (ROW MONUMENT)
- &BM (TRAVERSE POINT)
- W WATER LINE
- G GAS LINE
- E ELECTRIC LINE
- T TELEPHONE LINE
- SEWER LINE

ITEM	TECH	CHECKED
BASE MAP		
EXIST. R/W	PNS	
PROP. LINES	PNS	
AREAS	PNS	

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

REVISIONS			
NO.	DATE	DESCRIPTION	BY

PLAN FILED IN PLAN BOOK PAGE COUNTY RECORD

NO.	GRANTOR	INSTRUMENT	DATE	BOOK	PAGE
		COND	12-18-2006	2848	317

STATE OF MAINE
REGISTRY OF DEEDS
COUNTY _____
RECEIVED _____, _____
at ____h____m____ M and recorded in
Plan Book _____, Page _____
Attest: _____
REGISTER

DAVID A. COLE
COMMISSIONER
JOHN E. DORITY
CHIEF ENGINEER

DATE

STATE OF MAINE
JOHN E. DORITY
No. 2093
LICENSED
PROFESSIONAL ENGINEER

STATE HIGHWAY "180"
ROUTE 17
TOWNSHIP D FRANKLIN COUNTY
FEDERAL AID PROJECT NO. SB-ME-98(007)

JUNE 2006 | RIGHT-OF-WAY MAP | D.O.T. FILE NO. 4-230
SCALE 1" = 25' | SHEET 2 OF 9

SHEET NUMBER
67
OF 74

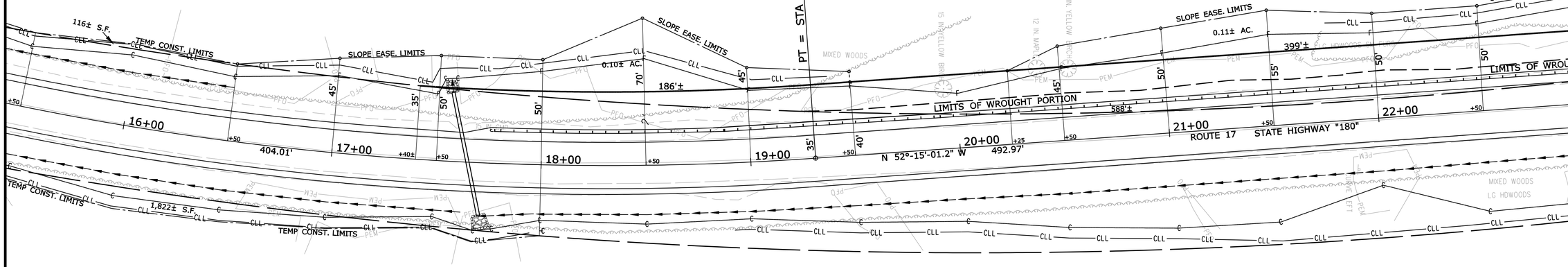
Filename: ...\highway\msto\067_RWPLAN2.dgn Division: HIGHWAY Username: norma.gilman Date:6/17/2010

SCENIC AREA MAINTAINED BY MAINEDOT BY VIRTUE OF A LEASE IN FRANKLIN COUNTY R.O.D., BOOK 426, PAGE 651

BAYROOT, LLC
PRIME TIMBER COMPANY, LLC - TIMBER RIGHTS
MEADWESTVACO OXFORD CORPORATION - PURCHASE OPTION
PARCEL NO. (1-1)4
LAND TAKEN = 0.09± AC. (PRESC. EASEMENT)
LAND TAKEN = 0.14± AC. (OTHER)
TOTAL LAND TAKEN = 0.23± AC.
SLOPE EASE. = 0.21± AC. (2)
DRAINAGE EASE. = (1)
TEMP. CONST. RIGHTS = 807± S.F. (2)
TOTAL AREA = VAST HOLDINGS

CURVE DATA
P.I. STA. 17+30.31
D = 4°-05'-33.2"
Δ = 16°-32'-03.8" LT
T = 203.42'
L = 404.01'
E = 14.70'
R = 1400.00'

OUTLET DRAINAGE STRUCTURE
STA. 17+56± LT.



BAYROOT, LLC
PRIME TIMBER COMPANY, LLC - TIMBER RIGHTS
MEADWESTVACO OXFORD CORPORATION - PURCHASE OPTION
ITEM NO. (1-2)4
SLOPE EASE. = 0.09± AC. (2)
DRAINAGE EASE. = (1)
TEMP. CONST. RIGHTS = 1,853± S.F. (2)
TOTAL AREA = VAST HOLDINGS

EXISTING RIGHT-OF-WAY REFERENCES:

S.H.C. FILE NO. 4-14

NOTE: PRESCRIPTIVE EASEMENT FOR HIGHWAY PURPOSES WITHIN LIMITS OF WROUGHT PORTION

PIN 8670.10

NOTE:
THIS PLAN WAS PREPARED IN CONNECTION WITH THE DEPARTMENT'S ACQUISITION OF REAL PROPERTY FOR TRANSPORTATION PURPOSES. IT CAN NOT BE USED OR RELIED UPON TO ESTABLISH LEGAL BOUNDARIES BETWEEN ABUTTING PROPERTY OWNERS.

SYMBOLS
- (WELL) WELL
- GROUNDING LIMIT LINE
- CONSTRUCTION LIMIT LINE
- PROPERTY LINE PL
- LIMITS OF WROUGHT PORTION
- EXISTING Right OF WAY
- NEW RIGHT OF WAY
- NEW ROW WITHIN EXIST. ROW
- CONTROL OF ACCESS
- IP (IRON PIPE or PIN)
- ST. (SEPTIC TANK)
- (ROW MONUMENT)
- BM (TRAVERSE POINT)
- WATER LINE
- GAS LINE
- ELECTRIC LINE
- TELEPHONE LINE
- SEWER LINE

ITEM	TECH	CHECKED
BASE MAP		
EXIST. R/W	PNS	
PROP. LINES	PNS	
AREAS	PNS	

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

REVISIONS

NO.	DATE	DESCRIPTION	BY

PLAN FILED IN PLAN BOOK PAGE COUNTY RECORD

NO.	GRANTOR	INSTRUMENT	DATE	BOOK	PAGE
		COND	12-18-2006	2848	317

STATE OF MAINE
REGISTRY OF DEEDS
COUNTY _____
RECEIVED _____, _____
at ____h____m____ M and recorded in
Plan Book _____, Page _____
Attest: _____
REGISTER

DAVID A. COLE
COMMISSIONER
JOHN E. DORITY
CHIEF ENGINEER
DATE

STATE OF MAINE
JOHN E. DORITY
No. 2093
LICENSED
PROFESSIONAL ENGINEER

STATE HIGHWAY "180"
ROUTE 17
TOWNSHIP D FRANKLIN COUNTY
FEDERAL AID PROJECT NO. SB-ME-98(007)

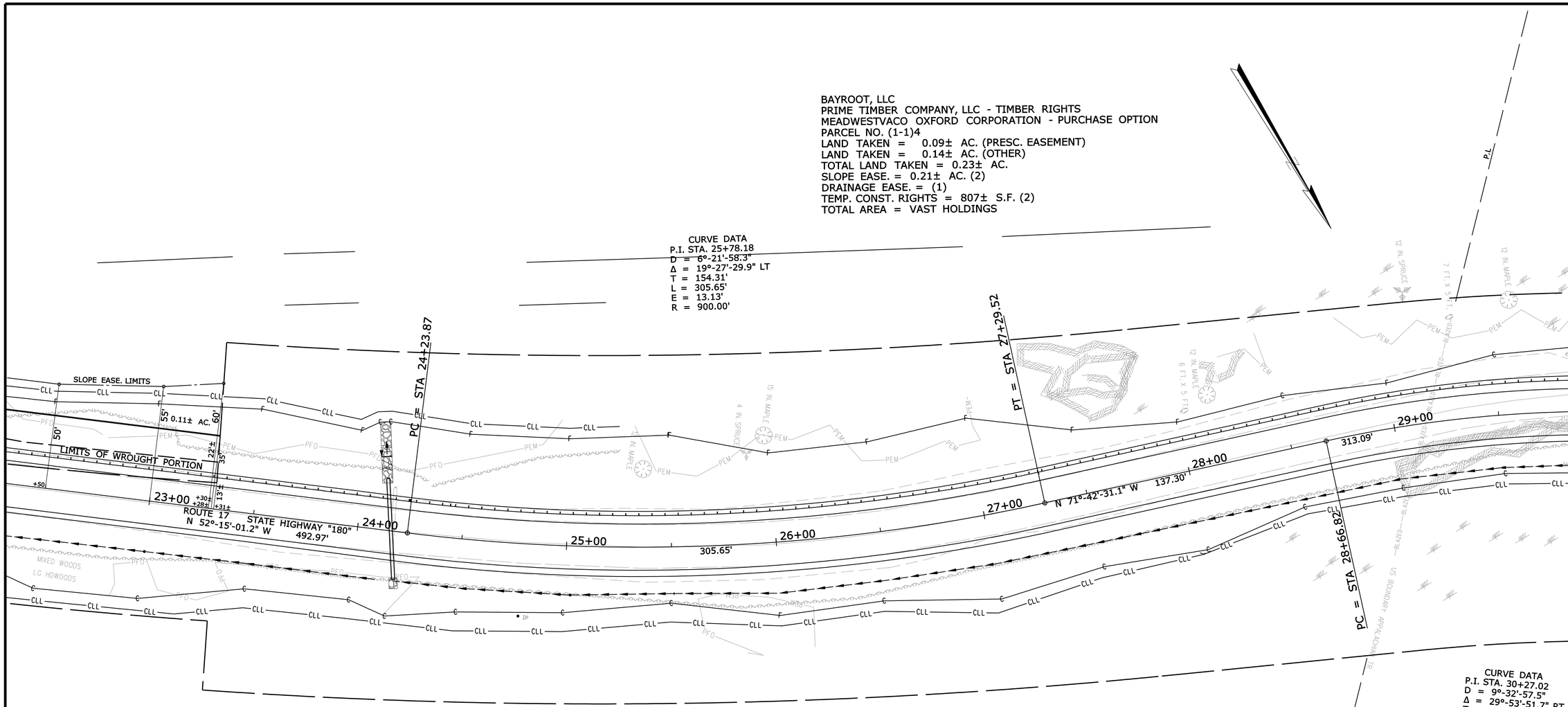
JUNE 2006 | RIGHT-OF-WAY MAP | D.O.T. FILE NO. 4-230
SCALE 1" = 25' | SHEET 3 OF 9

SHEET NUMBER
68
OF 74

Filename: ...\highway\msta\068_RWPLAN3.dgn Division: HIGHWAY Username: norma.gilman Date:6/17/2010

BAYROOT, LLC
PRIME TIMBER COMPANY, LLC - TIMBER RIGHTS
MEADWESTVACO OXFORD CORPORATION - PURCHASE OPTION
PARCEL NO. (1-1)4
LAND TAKEN = 0.09± AC. (PRESC. EASEMENT)
LAND TAKEN = 0.14± AC. (OTHER)
TOTAL LAND TAKEN = 0.23± AC.
SLOPE EASE. = 0.21± AC. (2)
DRAINAGE EASE. = (1)
TEMP. CONST. RIGHTS = 807± S.F. (2)
TOTAL AREA = VAST HOLDINGS

CURVE DATA
P.I. STA. 25+78.18
D = 6°-21'-58.3"
Δ = 19°-27'-29.9" LT
T = 154.31'
L = 305.65'
E = 13.13'
R = 900.00'



CURVE DATA
P.I. STA. 30+27.02
D = 9°-32'-57.5"
Δ = 29°-53'-51.7" RT
T = 160.20'
L = 313.09'
E = 21.02'
R = 600.00'

BAYROOT, LLC
PRIME TIMBER COMPANY, LLC - TIMBER RIGHTS
MEADWESTVACO OXFORD CORPORATION - PURCHASE OPTION
ITEM NO. (1-2)4
SLOPE EASE. = 0.09± AC. (2)
DRAINAGE EASE. = (1)
TEMP. CONST. RIGHTS = 1,853± S.F. (2)
TOTAL AREA = VAST HOLDINGS

EXISTING RIGHT-OF-WAY REFERENCES:

S.H.C. FILE NO. 4-14

NOTE: PRESCRIPTIVE EASEMENT FOR HIGHWAY PURPOSES WITHIN LIMITS OF WROUGHT PORTION

PIN 8670.10

NOTE:
THIS PLAN WAS PREPARED IN CONNECTION WITH THE DEPARTMENT'S ACQUISITION OF REAL PROPERTY FOR TRANSPORTATION PURPOSES. IT CAN NOT BE USED OR RELIED UPON TO ESTABLISH LEGAL BOUNDARIES BETWEEN ABUTTING PROPERTY OWNERS.

SYMBOLS
WELL (WELL)
GRADING LIMIT LINE
CONSTRUCTION LIMIT LINE
PROPERTY LINE
LIMITS OF WROUGHT PORTION
EXISTING RIGHT OF WAY
NEW RIGHT OF WAY
NEW ROW WITHIN EXIST. ROW
CONTROL OF ACCESS
I.P. (IRON PIPE or PIN)
S.T. (SEPTIC TANK)
(ROW MONUMENT)
&BM (TRAVERSE POINT)
WATER LINE
GAS LINE
ELECTRIC LINE
TELEPHONE LINE
SEWER LINE

ITEM	TECH	CHECKED
BASE MAP		
EXIST. R/W	PNS	
PROP. LINES	PNS	
AREAS	PNS	

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

REVISIONS

NO.	DATE	DESCRIPTION	BY

PLAN FILED IN PLAN BOOK PAGE COUNTY RECORD

NO.	GRANTOR	INSTRUMENT	DATE	BOOK	PAGE
		COND	12-18-2006	2848	317

STATE OF MAINE
REGISTRY OF DEEDS
COUNTY _____
RECEIVED _____,
at ____h____m____ M and recorded in
Plan Book _____, Page _____
Attest: _____
REGISTER

DAVID A. COLE
COMMISSIONER
JOHN E. DORITY
CHIEF ENGINEER
DATE

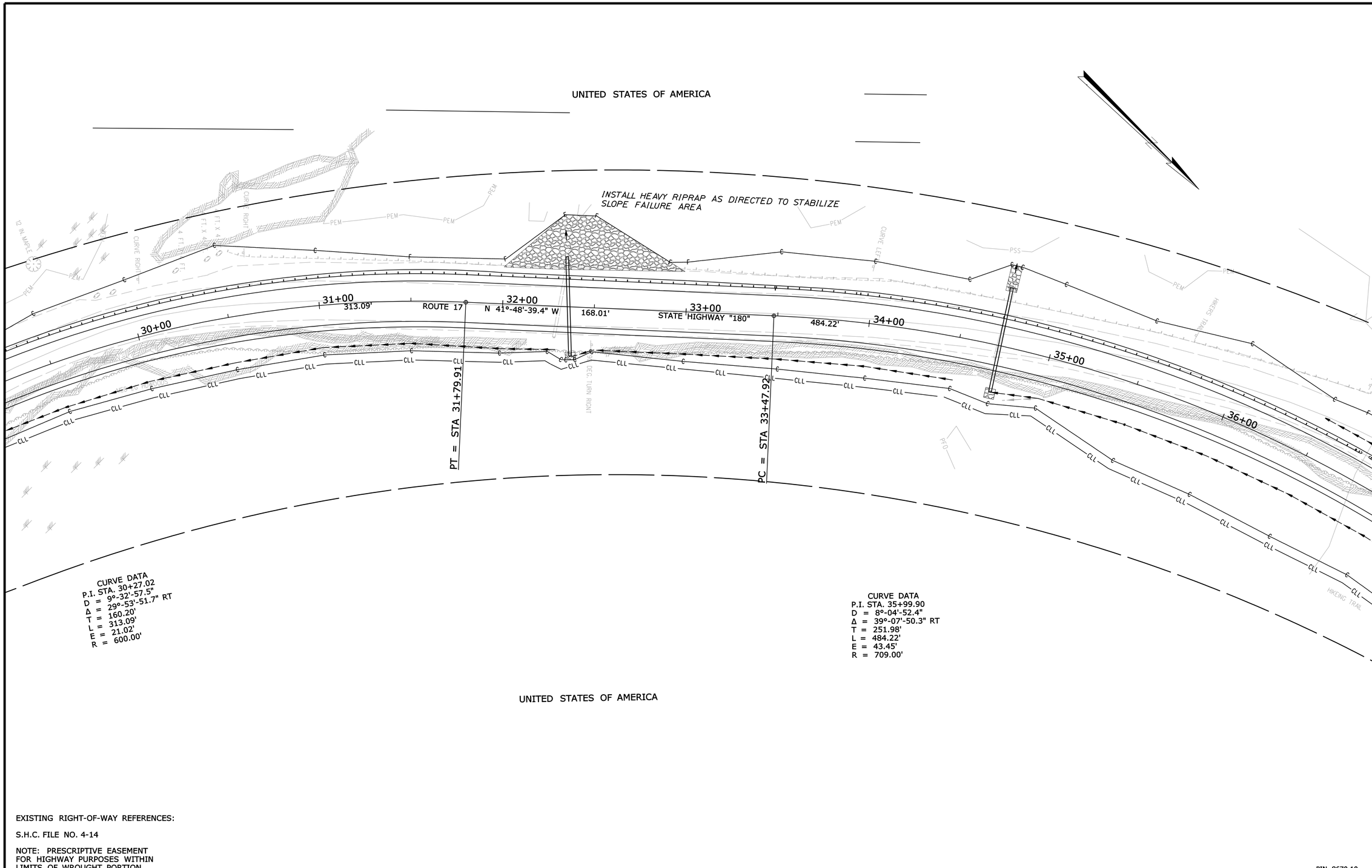
STATE OF MAINE
JOHN E. DORITY
No. 2093
LICENSED
PROFESSIONAL ENGINEER

STATE HIGHWAY "180"
ROUTE 17
TOWNSHIP D FRANKLIN COUNTY
FEDERAL AID PROJECT NO. SB-ME-98(007)

JUNE 2006 | RIGHT-OF-WAY MAP | D.O.T. FILE NO. 4-230
SCALE 1" = 25' | SHEET 4 OF 9

SHEET NUMBER
69
OF 74

Filename: ...\highway\msto\069_RWPLAN4.dgn Division: HIGHWAY Username: norma.gilman Date:6/17/2010



EXISTING RIGHT-OF-WAY REFERENCES:

S.H.C. FILE NO. 4-14

NOTE: PRESCRIPTIVE EASEMENT FOR HIGHWAY PURPOSES WITHIN LIMITS OF WROUGHT PORTION

PIN 8670.10

NOTE:
THIS PLAN WAS PREPARED IN CONNECTION WITH THE DEPARTMENT'S ACQUISITION OF REAL PROPERTY FOR TRANSPORTATION PURPOSES. IT CAN NOT BE USED OR RELIED UPON TO ESTABLISH LEGAL BOUNDARIES BETWEEN ABUTTING PROPERTY OWNERS.

SYMBOLS

- I.P. (IRON PIPE or PIN)
- S.T. (SEPTIC TANK)
- (ROW MONUMENT)
- &BM (TRAVERSE POINT)
- (WELL)
- GRADING LIMIT LINE
- CONSTRUCTION LIMIT LINE
- PROPERTY LINE
- LIMITS OF WROUGHT PORTION
- EXISTING Right OF WAY
- NEW RIGHT OF WAY
- NEW ROW WITHIN EXIST. ROW
- CONTROL OF ACCESS
- WATER LINE
- GAS LINE
- ELECTRIC LINE
- TELEPHONE LINE
- SEWER LINE

ITEM	TECH	CHECKED
BASE MAP		
EXIST. R/W	PNS	
PROP. LINES	PNS	
AREAS	PNS	

STATE OF MAINE
DEPARTMENT OF TRANSPORTATION
16 STATE HOUSE STATION - AUGUSTA, ME 04333-0016

RIGHT OF WAY MAP

REVISIONS			
NO.	DATE	DESCRIPTION	BY

PLAN FILED IN PLAN BOOK		PAGE		COUNTY RECORD		
NO.	GRANTOR	INSTRUMENT	DATE	BOOK	PAGE
		COND	12-18-2006	2848	317

STATE OF MAINE
REGISTRY OF DEEDS

COUNTY _____
RECEIVED _____, _____
at _____h _____m _____ M and recorded in
Plan Book _____, Page _____
Attest: _____
REGISTER

DAVID A. COLE
COMMISSIONER

JOHN E. DORITY
CHIEF ENGINEER

DATE

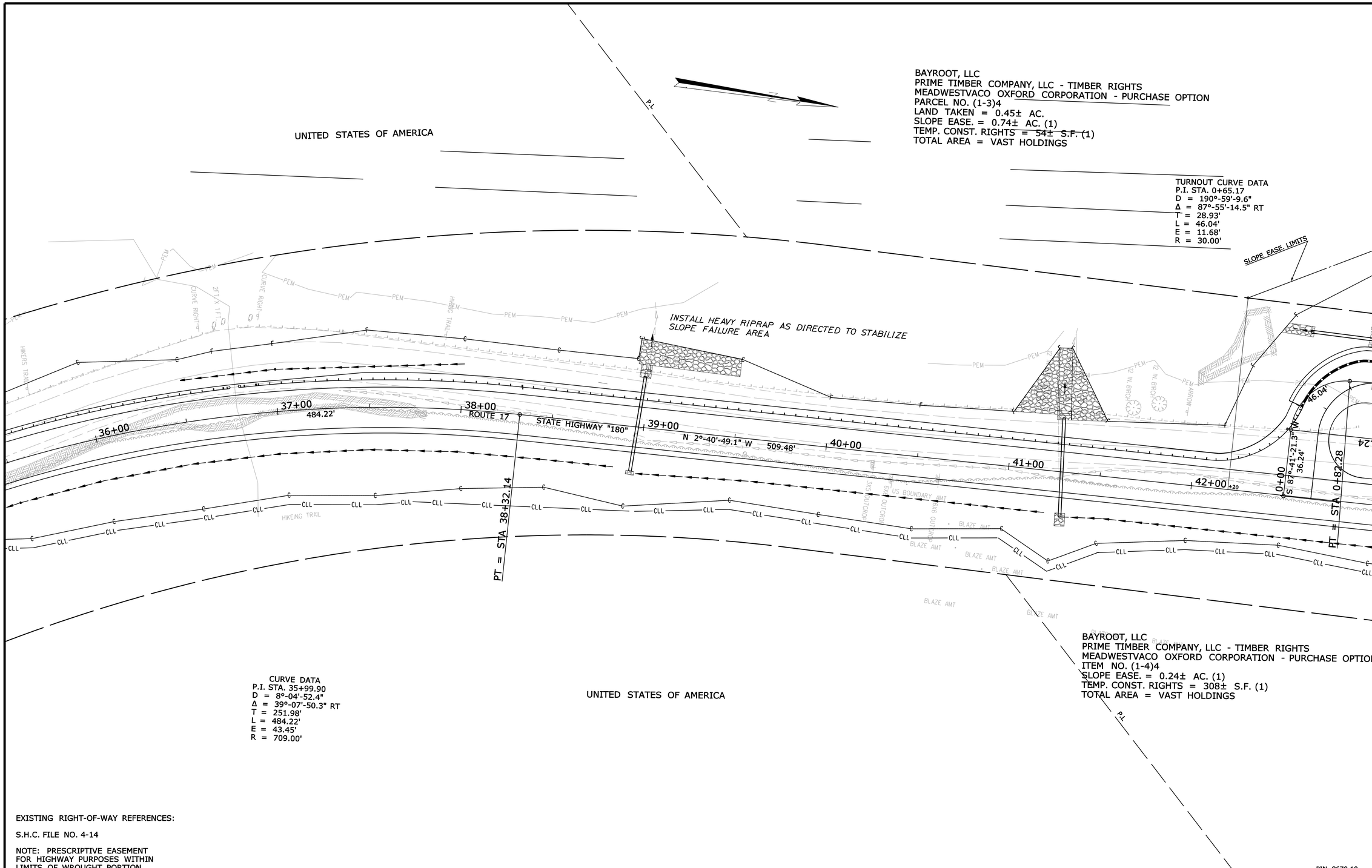
STATE OF MAINE
JOHN E. DORITY
No. 2093
LICENSED
PROFESSIONAL ENGINEER

STATE HIGHWAY "180"
ROUTE 17
TOWNSHIP D FRANKLIN COUNTY
FEDERAL AID PROJECT NO. SB-ME-98(007)

JUNE 2006 | RIGHT-OF-WAY MAP | D.O.T. FILE NO. 4-230
SCALE 1" = 25' | SHEET 5 OF 9

SHEET NUMBER
70
OF 74

Filename: ...\highway\rmsta\070_RWPLAN5.dgn Division: HIGHWAY Username: norma.gilman Date:6/17/2010



EXISTING RIGHT-OF-WAY REFERENCES:

S.H.C. FILE NO. 4-14

NOTE: PRESCRIPTIVE EASEMENT FOR HIGHWAY PURPOSES WITHIN LIMITS OF WROUGHT PORTION

PIN 8670.10

NOTE:
THIS PLAN WAS PREPARED IN CONNECTION WITH THE DEPARTMENT'S ACQUISITION OF REAL PROPERTY FOR TRANSPORTATION PURPOSES. IT CAN NOT BE USED OR RELIED UPON TO ESTABLISH LEGAL BOUNDARIES BETWEEN ABUTTING PROPERTY OWNERS.

SYMBOLS
- WELL
- GRADING LIMIT LINE
- CONSTRUCTION LIMIT LINE
- PROPERTY LINE
- LIMITS OF WROUGHT FORTION
- EXISTING RIGHT OF WAY
- NEW RIGHT OF WAY
- NEW ROW WITHIN EXIST. ROW
- CONTROL OF ACCESS
- I.P. (IRON PIPE or PIN)
- S.T. (SEPTIC TANK)
- (ROW MONUMENT)
- &BM (TRAVERSE POINT)
- WATER LINE
- GAS LINE
- ELECTRIC LINE
- TELEPHONE LINE
- SEWER LINE

ITEM	TECH	CHECKED
BASE MAP		
EXIST. R/W	PNS	
PROP. LINES	PNS	
AREAS	PNS	

STATE OF MAINE
DEPARTMENT OF TRANSPORTATION
16 STATE HOUSE STATION - AUGUSTA, ME 04333-0016

RIGHT OF WAY MAP

REVISIONS

NO.	DATE	DESCRIPTION	BY

PLAN FILED IN PLAN BOOK PAGE COUNTY RECORD

NO.	GRANTOR	INSTRUMENT	DATE	BOOK	PAGE
		COND	12-18-2006	2848	317

STATE OF MAINE
REGISTRY OF DEEDS

COUNTY _____
RECEIVED _____, _____
at _____h _____m _____ M and recorded in
Plan Book _____, Page _____
Attest: _____
REGISTER

DAVID A. COLE
COMMISSIONER
JOHN E. DORITY
CHIEF ENGINEER

DATE

STATE OF MAINE
JOHN E. DORITY
No. 2093
LICENSED
PROFESSIONAL ENGINEER

STATE HIGHWAY "180"
ROUTE 17
TOWNSHIP D FRANKLIN COUNTY
FEDERAL AID PROJECT NO. SB-ME-98(007)

JUNE 2006 | RIGHT-OF-WAY MAP | D.O.T. FILE NO. 4-230
SCALE 1" = 25' | SHEET 6 OF 9

SHEET NUMBER
71
OF 74

Filename: ...\highway\rmsta\071_RWPLAN6.dgn Division: HIGHWAY Username: norma.gilman Date:6/17/2010

TURNOUT CURVE DATA
P.I. STA. 3+14.14
D = 3°-49'-11.0"
Δ = 13°-35'-57.9" RT
T = 178.86'
L = 356.03'
E = 10.63'
R = 1500.00'

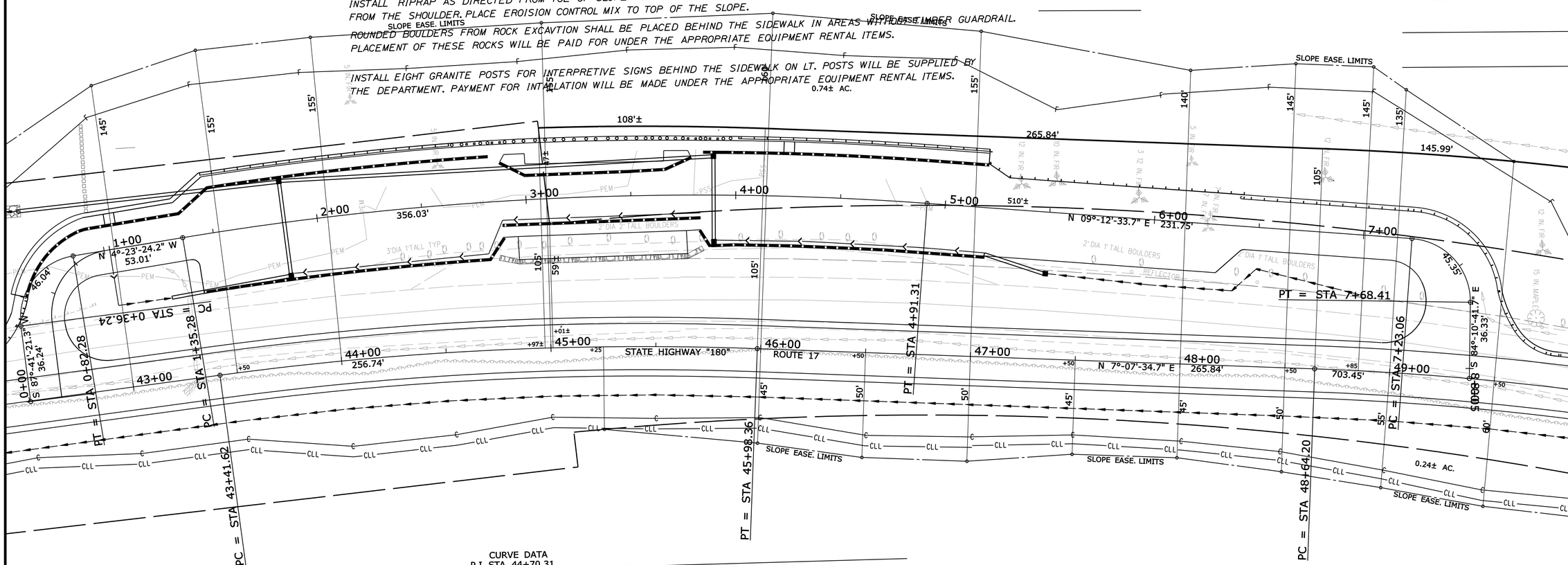
BAYROOT, LLC
PRIME TIMBER COMPANY, LLC - TIMBER RIGHTS
MEADWESTVACO OXFORD CORPORATION - PURCHASE OPTION
PARCEL NO. (1-3)4
LAND TAKEN = 0.45± AC.
SLOPE EASE. = 0.74± AC. (1)
TEMP. CONST. RIGHTS = 54± S.F. (1)
TOTAL AREA = VAST ~~HOLDINGS~~

TURNOUT CURVE DATA
P.I. STA. 7+51.33
D = 190°-59'-9.6"
Δ = 86°-36'-44.6" RT
T = 28.28'
L = 45.35'
E = 11.23'
R = 30.00'

INSTALL RIPRAP AS DIRECTED FROM TOE OF SLOPE TO A POINT 10 FT FROM THE SHOULDER. PLACE EROISION CONTROL MIX TO TOP OF THE SLOPE.

ROUNDED BOULDERS FROM ROCK EXCAVTION SHALL BE PLACED BEHIND THE SIDEWALK IN AREAS WITHOUT A GUARDRAIL. PLACEMENT OF THESE ROCKS WILL BE PAID FOR UNDER THE APPROPRIATE EQUIPMENT RENTAL ITEMS.

INSTALL EIGHT GRANITE POSTS FOR INTERPRETIVE SIGNS BEHIND THE SIDEWALK ON LT. POSTS WILL BE SUPPLIED BY THE DEPARTMENT. PAYMENT FOR INTALLATION WILL BE MADE UNDER THE APPROPRIATE EQUIPMENT RENTAL ITEMS.



CURVE DATA
P.I. STA. 44+70.31
D = 3°-49'-11.0"
Δ = 9°-48'-23.8" RT
T = 128.68'
L = 256.74'
E = 5.51'
R = 1500.00'

CURVE DATA
P.I. STA. 52+23.52
D = 4°-05'-33.2"
Δ = 28°-47'-20.0" RT
T = 359.31'
L = 703.45'
E = 45.37'
R = 1400.00'

BAYROOT, LLC
PRIME TIMBER COMPANY, LLC - TIMBER RIGHTS
MEADWESTVACO OXFORD CORPORATION - PURCHASE OPTION
ITEM NO. (1-4)4
SLOPE EASE. = 0.24± AC. (1)
TEMP. CONST. RIGHTS = 308± S.F. (1)
TOTAL AREA = VAST HOLDINGS

EXISTING RIGHT-OF-WAY REFERENCES:

S.H.C. FILE NO. 4-14

NOTE: PRESCRIPTIVE EASEMENT FOR HIGHWAY PURPOSES WITHIN LIMITS OF WROUGHT PORTION

PIN 8670.10

NOTE:
THIS PLAN WAS PREPARED IN CONNECTION WITH THE DEPARTMENT'S ACQUISITION OF REAL PROPERTY FOR TRANSPORTATION PURPOSES. IT CAN NOT BE USED OR RELIED UPON TO ESTABLISH LEGAL BOUNDARIES BETWEEN ABUTTING PROPERTY OWNERS.

SYMBOLS
- IP (IRON PIPE or PIN)
- ST. (SEPTIC TANK)
- (ROW MONUMENT)
- BM (TRAVERSE POINT)
- WELL
- GRADING LIMIT LINE
- CONSTRUCTION LIMIT LINE
- LIMITS OF WROUGHT FORTION
- NEW RIGHT OF WAY
- NEW ROW WITHIN EXIST. ROW
- CONTROL OF ACCESS
- WATER LINE
- GAS LINE
- ELECTRIC LINE
- TELEPHONE LINE
- SEWER LINE

ITEM	TECH	CHECKED
BASE MAP		
EXIST. R/W	PNS	
PROP. LINES	PNS	
AREAS	PNS	

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

REVISIONS			
NO.	DATE	DESCRIPTION	BY

PLAN FILED IN PLAN BOOK			PAGE	COUNTY RECORD		
NO.	GRANTOR	INSTRUMENT	DATE	BOOK	PAGE
		COND	12-18-2006	2848	317

STATE OF MAINE
REGISTRY OF DEEDS
COUNTY _____
RECEIVED _____, _____
at _____h _____m _____ M and recorded in
Plan Book _____, Page _____
Attest: _____
REGISTER

DAVID A. COLE
COMMISSIONER
JOHN E. DORITY
CHIEF ENGINEER
DATE

STATE OF MAINE
JOHN E. DORITY
No. 2093
LICENSED
PROFESSIONAL ENGINEER

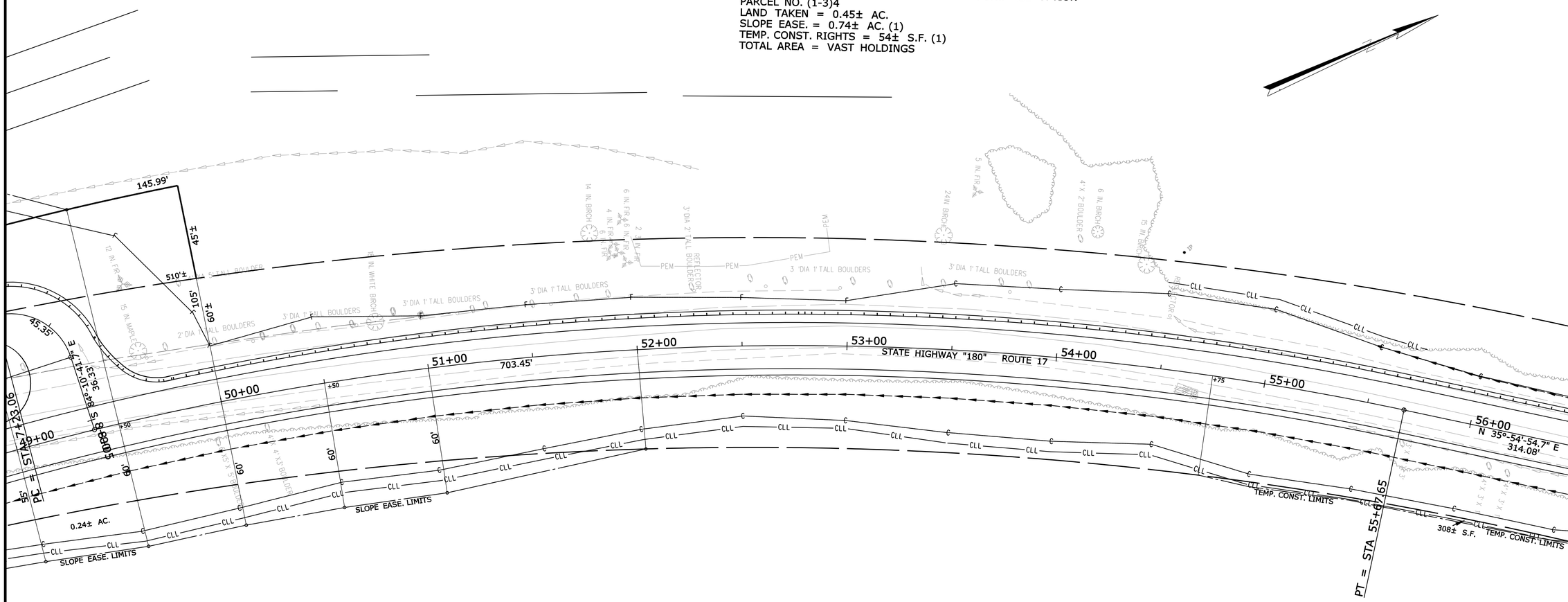
STATE HIGHWAY "180"
ROUTE 17
TOWNSHIP D FRANKLIN COUNTY
FEDERAL AID PROJECT NO. SB-ME-98(007)

JUNE 2006 | RIGHT-OF-WAY MAP | D.O.T. FILE NO. 4-230
SCALE 1" = 25' | SHEET 7 OF 9

SHEET NUMBER
72
OF 74

Filename: ...\highway\rmsla\072_RWPLAN7.dgn Division: HIGHWAY Username: norma.gilman Date:6/17/2010

BAYROOT, LLC
PRIME TIMBER COMPANY, LLC - TIMBER RIGHTS
MEADWESTVACO OXFORD CORPORATION - PURCHASE OPTION
PARCEL NO. (1-3)4
LAND TAKEN = 0.45± AC.
SLOPE EASE. = 0.74± AC. (1)
TEMP. CONST. RIGHTS = 54± S.F. (1)
TOTAL AREA = VAST HOLDINGS



CURVE DATA
P.I. STA. 52+23.52
D = 4°-05'-33.2"
Δ = 28°-47'-20.0" RT
T = 359.31'
L = 703.45'
E = 45.37'
R = 1400.00'

BAYROOT, LLC
PRIME TIMBER COMPANY, LLC - TIMBER RIGHTS
MEADWESTVACO OXFORD CORPORATION - PURCHASE OPTION
ITEM NO. (1-4)4
SLOPE EASE. = 0.24± AC. (1)
TEMP. CONST. RIGHTS = 308± S.F. (1)
TOTAL AREA = VAST HOLDINGS

EXISTING RIGHT-OF-WAY REFERENCES:

S.H.C. FILE NO. 4-14

NOTE: PRESCRIPTIVE EASEMENT FOR HIGHWAY PURPOSES WITHIN LIMITS OF WROUGHT PORTION

PIN 8670.10

NOTE:
THIS PLAN WAS PREPARED IN CONNECTION WITH THE DEPARTMENT'S ACQUISITION OF REAL PROPERTY FOR TRANSPORTATION PURPOSES. IT CAN NOT BE USED OR RELIED UPON TO ESTABLISH LEGAL BOUNDARIES BETWEEN ABUTTING PROPERTY OWNERS.

SYMBOLS
- IP (IRON PIPE or PIN)
- ST. (SEPTIC TANK)
- &BM (TRAVERSE POINT)
- WELL
- (ROW MONUMENT)
- GRADING LIMIT LINE
- CONSTRUCTION LIMIT LINE
- PROPERTY LINE
- LIMITS OF WROUGHT PORTION
- EXISTING Right of WAY
- NEW RIGHT OF WAY
- NEW ROW WITHIN EXIST. ROW
- CONTROL OF ACCESS
- WATER LINE
- GAS LINE
- ELECTRIC LINE
- TELEPHONE LINE
- SEWER LINE

ITEM	TECH	CHECKED
BASE MAP		
EXIST. R/W	PNS	
PROP. LINES	PNS	
AREAS	PNS	

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

REVISIONS			
NO.	DATE	DESCRIPTION	BY

PLAN FILED IN PLAN BOOK		PAGE	COUNTY RECORD			
NO.	GRANTOR	INSTRUMENT	DATE	BOOK	PAGE
		COND	12-18-2006	2848	317

STATE OF MAINE
REGISTRY OF DEEDS
COUNTY _____
RECEIVED _____, _____
at _____h _____m _____ M and recorded in
Plan Book _____, Page _____
Attest: _____
REGISTER

DAVID A. COLE
COMMISSIONER
JOHN E. DORITY
CHIEF ENGINEER
DATE

STATE OF MAINE
JOHN E. DORITY
No. 2093
LICENSED
PROFESSIONAL ENGINEER

STATE HIGHWAY "180"
ROUTE 17
TOWNSHIP D FRANKLIN COUNTY
FEDERAL AID PROJECT NO. SB-ME-98(007)

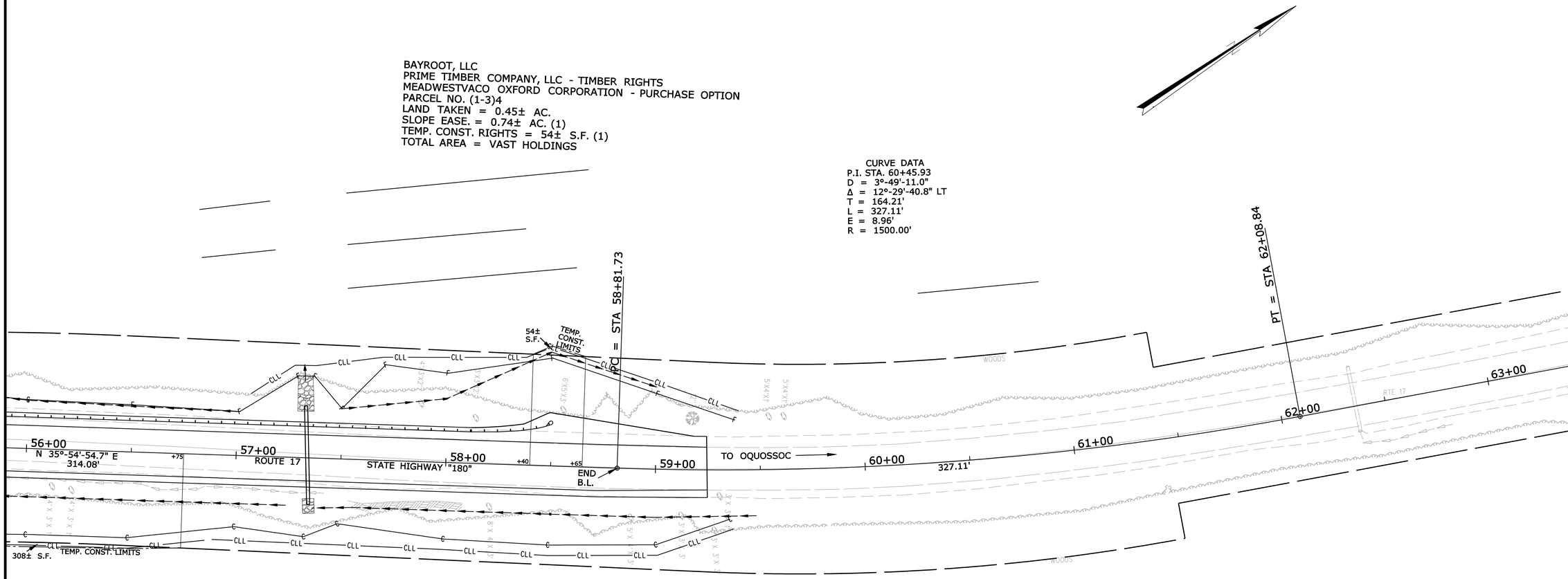
JUNE 2006	RIGHT-OF-WAY MAP	D.O.T. FILE NO. 4-230
SCALE 1" = 25'	SHEET 8 OF 9	

SHEET NUMBER
73
OF 74

Filename: ...\highway\msta\073_RWPLAN8.dgn Division: HIGHWAY Username: norma.gilman Date:6/17/2010

BAYROOT, LLC
PRIME TIMBER COMPANY, LLC - TIMBER RIGHTS
MEADWESTVACO OXFORD CORPORATION - PURCHASE OPTION
PARCEL NO. (1-3)4
LAND TAKEN = 0.45± AC.
SLOPE EASE. = 0.74± AC. (1)
TEMP. CONST. RIGHTS = 54± S.F. (1)
TOTAL AREA = VAST HOLDINGS

CURVE DATA
P.I. STA. 60+45.93
D = 3°-49'-11.0"
Δ = 12°-29'-40.8" LT
T = 164.21'
L = 327.11'
E = 8.96'
R = 1500.00'



BAYROOT, LLC
PRIME TIMBER COMPANY, LLC - TIMBER RIGHTS
MEADWESTVACO OXFORD CORPORATION - PURCHASE OPTION
ITEM NO. (1-4)4
SLOPE EASE. = 0.24± AC. (1)
TEMP. CONST. RIGHTS = 308± S.F. (1)
TOTAL AREA = VAST HOLDINGS

EXISTING RIGHT-OF-WAY REFERENCES:

S.H.C. FILE NO. 4-14

NOTE: PRESCRIPTIVE EASEMENT
FOR HIGHWAY PURPOSES WITHIN
LIMITS OF WROUGHT PORTION

PIN 8670.10

NOTE:
THIS PLAN WAS PREPARED IN CONNECTION WITH THE DEPARTMENT'S ACQUISITION OF REAL PROPERTY FOR TRANSPORTATION PURPOSES. IT CAN NOT BE USED OR RELIED UPON TO ESTABLISH LEGAL BOUNDARIES BETWEEN ABUTTING PROPERTY OWNERS.

SYMBOLS
- WELL
- GRADING LIMIT LINE
- CONSTRUCTION LIMIT LINE
- PROPERTY LINE
- LIMITS OF WROUGHT PORTION
- EXISTING RIGHT OF WAY
- NEW RIGHT OF WAY
- NEW ROW WITHIN EXIST. ROW
- CONTROL OF ACCESS
- I.P. (IRON PIPE or PIN)
- S.T. (SEPTIC TANK)
- (ROW MONUMENT)
- (TRAVERSE POINT)
- WATER LINE
- GAS LINE
- ELECTRIC LINE
- TELEPHONE LINE
- SEWER LINE

ITEM	TECH	CHECKED
BASE MAP		
EXIST. R/W	PNS	
PROP. LINES	PNS	
AREAS	PNS	

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

REVISIONS

NO.	DATE	DESCRIPTION	BY

PLAN NO.	FILED IN PLAN BOOK	PAGE	COUNTY RECORD GRANTOR	INSTRUMENT	DATE	BOOK	PAGE
				COND	12-18-2006	2848	317

STATE OF MAINE
REGISTRY OF DEEDS
COUNTY _____
RECEIVED _____, _____
at ____h____m____ M and recorded in
Plan Book _____, Page _____
Attest: _____
REGISTER

DAVID A. COLE
COMMISSIONER
JOHN E. DORITY
CHIEF ENGINEER
DATE

STATE OF MAINE
JOHN E. DORITY
No. 2093
LICENSED
PROFESSIONAL ENGINEER

STATE HIGHWAY "180"
ROUTE 17
TOWNSHIP D FRANKLIN COUNTY
FEDERAL AID PROJECT NO. SB-ME-98(007)

JUNE 2006 | RIGHT-OF-WAY MAP | D.O.T. FILE NO. 4-230
SCALE 1" = 25' | SHEET 9 OF 9

SHEET NUMBER
74
OF 74

Filename: ...\highway\rnsta\074_RWPLAN9.dgn Division: HIGHWAY Username: norma.gilman Date:6/17/2010