STATE OF MAINE
DEPARTMENT OF TRANSPORTATION

PLAN LEGEND

Town, County, State
Property Lines
R/W Lines-Existing
R/W Lines-Proposed
R/W Lines-Easement
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 — CLL
Cut Line — C
Fill Line — F

Centerline-Existing
Centerline-Proposed — 10+00
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 — W
Existing San. Sewer
Existing San. Sewer Manhole
Guardrail-Existing
Guardrail-Proposed
Guardrail-Cable, Other

CASTINE-PENOBSCOT

HANCOCK COUNTY

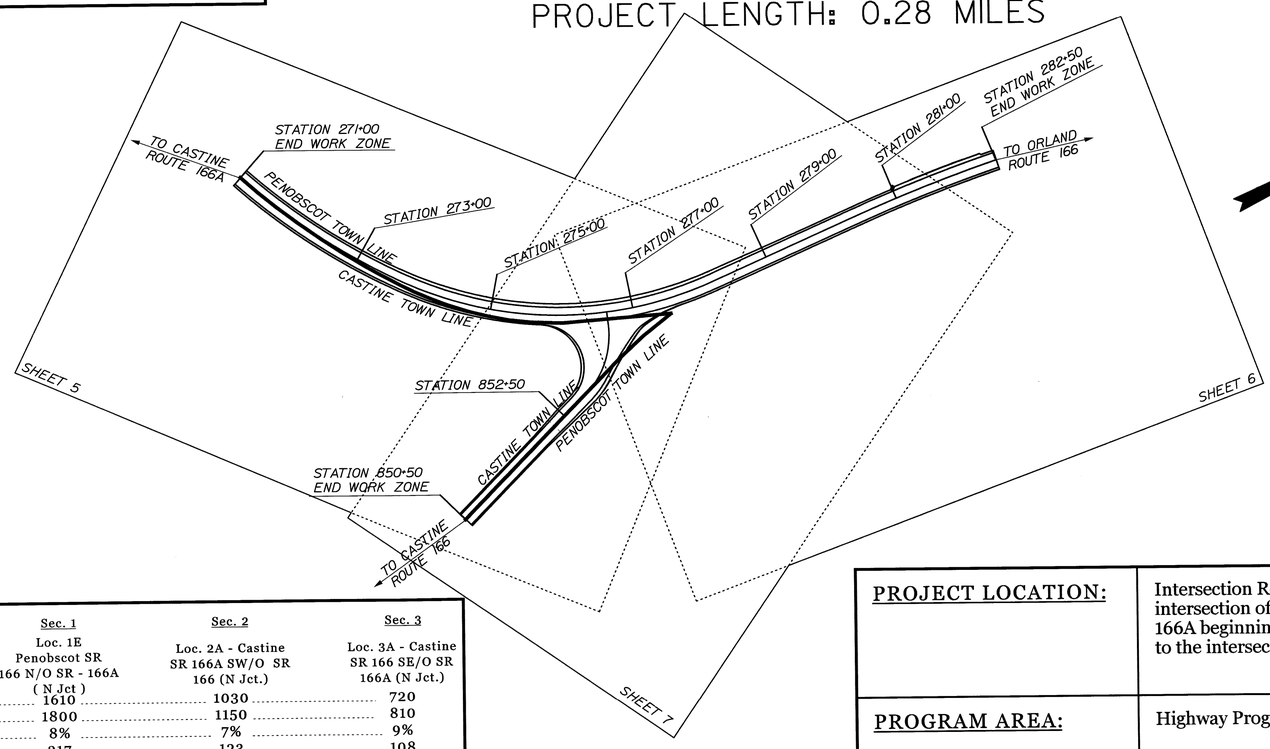
ROUTE 166 / 166A

FEDERAL AID PROJECT NO. STP-1825(200)X

PROJECT LENGTH: 0.28 MILES

INDEX OF SHEETS

Description	Sheet No.
Title Sheet	1
Typical Sections	2
Estimated Quantities and Earthwork Summary	3
General Notes	4
Plan / Profile	5 -7
Cross - Sections	8 - 24
Right of Way Map	25 - 26



100 0 100 200
Scale in Feet
LAYOUT SCALE

TRAFFIC DATA

	Sec. 1 Loc. 1E Penobscot SR 166 N/O SR - 166A (N Jct)	Sec. 2 Loc. 2A - Castine SR 166A SW/O SR 166 (N Jct.)	Sec. 3 Loc. 3A - Castine SR 166 SE/O SR 166A (N Jct.)
Current (2013) AADT	1610	1030	720
Future (2025) AADT	1800	1150	810
DHV - % of AADT	8%	7%	9%
Design Hour Volume	217	123	108
% Heavy Trucks (AADT)	6%	6%	5%
% Heavy Trucks (DHV)	6%	6%	5%
Directional Distribution (DHV)	67%	61%	73%
18 kip Equivalent P 2.0	28	20	10
18 kip Equivalent P 2.5	27	19	10
Design Speed (mph)	50 mph	50 mph	45 mph
Functional Class:	Minor collector, Major/Urban collector		

PROJECT LOCATION:	Intersection Reconstruction beginning on Route 166 0.07 miles West of the intersection of Route 166A and extendingly Easterly 0.17 miles. And on Route 166A beginning 0.11 miles West of the intersection of Route 166 and extending to the intersection.
PROGRAM AREA:	Highway Program
SCOPE OF WORK:	Intersection Reconstruction

WIN 18252.00 STP-1825(200)X

STATE OF MAINE
DEPARTMENT OF TRANSPORTATION
APPROVED — DATE 8/7/13
COMMISSIONER:
CHIEF ENGINEER: 8-7-13

STATE OF MAINE — SHAWN R. DAVIS — No. 12272 — LICENSED PROFESSIONAL ENGINEER

SIGNATURE 12272
P.E. NUMBER
DATE 7/31/13

PROJECT INFORMATION

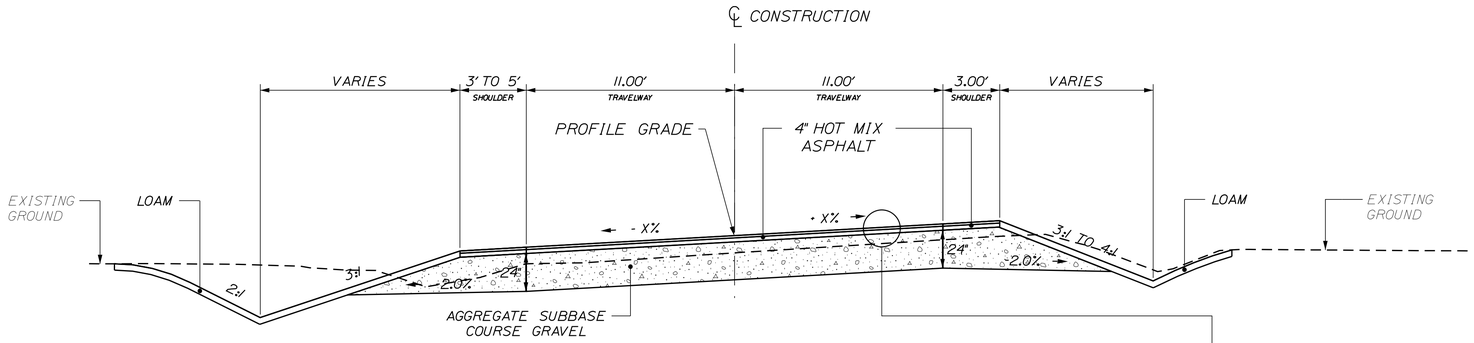
PROGRAM	HIGHWAY
PROJECT MANAGER	S. DAVIS
DESIGNER	R. CHESTER
CONSULTANT	
PROJECT RESIDENT	
CONTRACTOR	
PROJECT COMPLETION DATE	

CASTINE-PENOBSCOT
ROUTE 166 / 166A

TITLE SHEET

SHEET NUMBER
1
OF 26

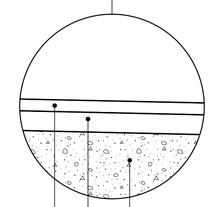
Filename: ...\00\HIGHWAY\MSTA\001_Title.dgn Division: GEOTECH Username: terry.white Date:7/29/2013



AGGREGATE SUBBASE COURSE GRAVEL		
LEFT SHOULDER 42.67 CY/100 LF (3' SHLDR.) 54.85 CY/100 LF (5' SHLDR.)	22 FT. TRAVEL LANES 162.96 CY/100 LF	RIGHT SHOULDER 52.70 CY/100 LF (w/3:1 INSLOPE)
STATION TO STATION	STATION TO STATION	STATION TO STATION
271+50 TO 272+50 LT (3' SHLDR.)	271+50 TO 282+00	271+50 TO 275+75 RT
274+50 TO 277+50 LT (5' SHLDR.)		277+69 TO 282+00 RT
276+50 TO 281+00 LT (3' SHLDR.)		

FULL CONSTRUCTION

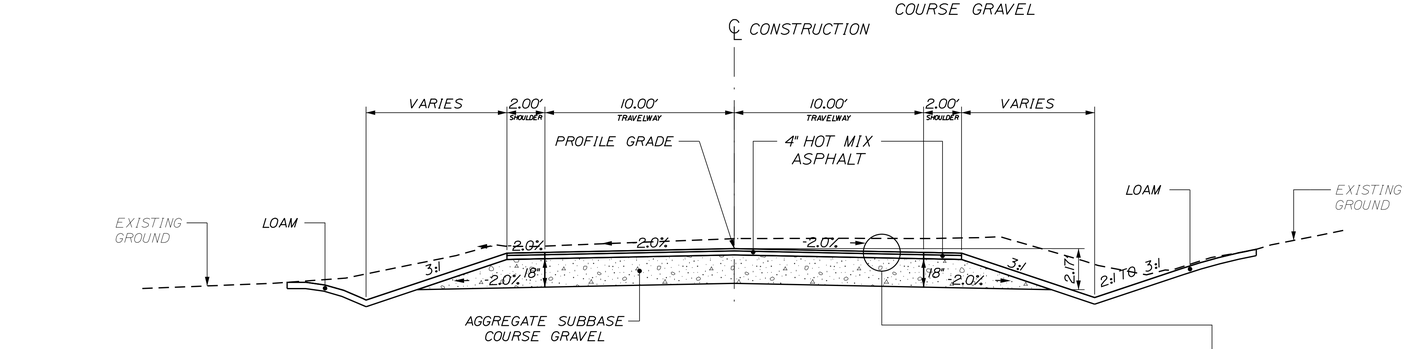
ROUTE 166A - SUPERELEVATED



1 1/2" 9.5 mm SURFACE

2 1/2" 12.5 mm BASE

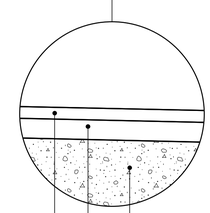
24" AGGREGATE SUBBASE COURSE GRAVEL



AGGREGATE SUBBASE COURSE GRAVEL		
LEFT SHOULDER 24.26 CY/100 LF	20 FT. TRAVEL LANES 111.11 CY/100 LF	RIGHT SHOULDER 24.26 CY/100 LF
STATION TO STATION	STATION TO STATION	STATION TO STATION
850+90 TO 852+00 LT	850+90 TO 852+00	850+90 TO 852+00 RT

FULL CONSTRUCTION

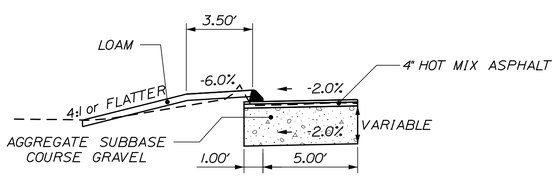
ROUTE 166 - NORMAL



1 1/2" 9.5 mm SURFACE

2 1/2" 12.5 mm BASE

18" AGGREGATE SUBBASE COURSE GRAVEL



AGGREGATE SUBBASE COURSE GRAVEL
SHOULDER 44.44 CY/100 LF (24" SUBBASE) 33.33 CY/100 LF (18" SUBBASE)
STATION TO STATION
281+28 LT TO 282+06 LT (24" SUBBASE)
853+10 RT TO 853+42 RT (18" SUBBASE)
853+66 RT TO 277+32 RT (18" SUBBASE)

CURB TYPE 3 MOLD 2

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 SUPERELEVATED SECTIONS FOR ALL COURSES OF SUBBASE AND PAVEMENT SHALL BE STRAIGHT.

4. THE GRAVEL QUANTITY CALCULATION IS BASED ON A 2" LOAM OR DIRTY BORROW DEPTH. THE ACTUAL DEPTH MAY VARY. SEE THE GENERAL NOTES.

5. THE ALGEBRAIC DIFFERENCE BETWEEN THE SHOULDER AND TRAVELWAY CROSS SLOPES "ROLLOVER" SHALL NOT EXCEED 8%.

6. THE STATIONING SHOWN UNDER EACH TYPICAL IS APPROXIMATE.

7. MINIMUM DITCH DEPTH = 6"

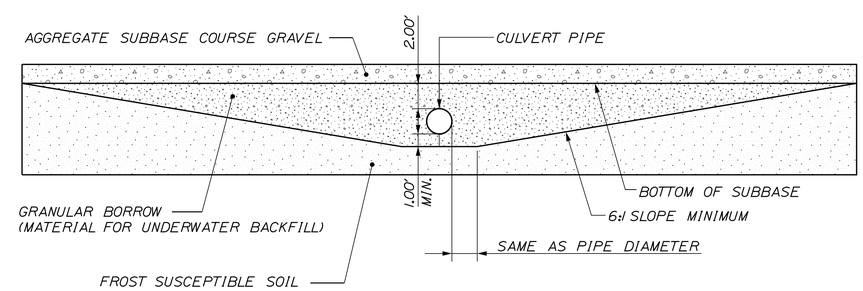
8. LOAM SHALL BE PLACED TO A NOMINAL DEPTH OF 4" IN LAWN AREAS AND 2" ELSEWHERE UNLESS OTHERWISE NOTED.

SUPERELEVATION TABLE

ROUTE 166A

LT. SHOULDER	LT. TRAVELWAY	STATION	RT. TRAVELWAY	RT. SHOULDER
-5.6%	-5.6%	271+18	5.6%	5.6%
		TO		
-5.6%	-5.6%	273+50	5.6%	5.6%
-5.8%	-5.8%	274+00	5.8%	5.8%
-6.0%	-6.0%	274+50	6.0%	6.0%
		TO		
-6.0%	-6.0%	277+50	6.0%	6.0%
-4.6%	-4.6%	278+00	4.6%	4.6%
-3.3%	-3.3%	278+50	3.3%	3.3%
-1.9%	-1.9%	279+00	1.9%	1.9%
-0.5%	-0.5%	279+50	0.5%	0.5%
-0.7%	0.9%	280+00	-0.9%	-0.9%
-1.4%	2.2%	280+50	-2.2%	-2.2%
-2.0%	3.6%	281+00	-3.6%	-3.6%
		TO		
-2.0%	3.6%	282+45	-3.6%	-3.6%

CROSS CULVERT IN FROST SUSCEPTIBLE SOILS



NOT TO SCALE

STATE OF MAINE
DEPARTMENT OF TRANSPORTATION

STP-1825(200)X

WIN 18252.00

HIGHWAY PLANS

PROJ. MANAGER	S. DAVIS	BY	DATE
DESIGN-DETAILED	R. CHESTER	B. LUCAS	
CHECKED-REVIEWED			NOV 2012
DESIGN2-DETAILED2	S.HAYDEN	T.WHITE	
DESIGN3-DETAILED3			
REVISIONS 1			
REVISIONS 2			
REVISIONS 3			
REVISIONS 4			
FIELD CHANGES			

SIGNATURE

P.E. NUMBER

DATE

CASTINE-PENOBSCOT
ROUTE 166 / 166A

TYPICAL SECTIONS

SHEET NUMBER

2

OF 26

Filename: ...\HIGHWAY\MSTA\002_Typical.dgn Division: HIGHWAY Username: robert.chester Date:7/29/2013

ESTIMATED QUANTITIES

ITEM NO.	DESCRIPTION	QUANTITY	UNIT
203.2000	COMMON EXCAVATION	5,950.00	CY
203.2500	GRANULAR BORROW	25.00	CY
304.1000	AGGR SUBB COURSE - GRAVEL	4,110.00	CY
403.2090	HOT MIX ASPHALT 9.5 mm (INCIDENTALS)	20.00	T
403.2100	HOT MIX ASPHALT 9.5 mm	430.00	T
403.2130	HOT MIX ASPHALT 12.5 mm BASE	720.00	T
409.1500	BITUMINOUS TACK COAT - APPLIED	130.00	G
411.1000	UNTREAT AGGR SURF CRS, TR MEAS	10.00	CY
603.1600	15" CULV PIPE OPTION I	190.00	LF
603.1790	18" CULV PIPE OPTION III	162.00	LF
605.0900	6" UNDERDRAIN TYPE B	162.00	LF
605.1000	6" UNDERDRAIN OUTLET	20.00	LF
606.3560	UNDERDRAIN DELINEATOR POST	5.00	EA
606.4700	SINGLE WOOD POST	7.00	EA
609.3100	CURB TYPE 3	182.00	LF
610.0800	PLAIN RIPRAP	50.00	CY
610.1800	STONE DITCH PROTECTION	40.00	CY
613.3190	EROSION CONTROL BLANKET	1,000.00	SY
615.0700	LOAM	640.00	CY
618.1301	SEEDING METHOD NUMBER 1 - PLAN QUANTITY	10.00	UN
618.1401	SEEDING METHOD NUMBER 2 - PLAN QUANTITY	50.00	UN
619.1201	MULCH - PLAN QUANTITY	60.00	UN
620.5800	EROSION CONTROL GEOTEXTILE	280.00	SY
627.7500	WHITE OR YELLOW PAVEMENT & CURB MARKING	140.00	SF
627.7600	TEMPORARY PVMT. MARK LINE, W OR YELLOW	1.00	LS
629.0500	HAND LABOR, STRAIGHT TIME	30.00	HR
631.1200	ALL-PURPOSE EXC (INC OPERATOR)	12.00	HR
631.1720	TRUCK-LARGE (INC OPERATOR)	24.00	HR
652.3300	DRUM	10.00	EA
652.3400	CONE	40.00	EA
652.3500	CONSTRUCTION SIGNS	456.00	SF
652.3600	MAINTENANCE OF TRAFFIC CONTROL DEVICES	56.00	CD
652.3800	FLAGGER	1,040.00	HR
656.7500	TEMP SOIL EROSION & WATER POLLUTION CTRL	1.00	LS
659.1000	MOBILIZATION	1.00	LS

EARTHWORK SUMMARY

COMMON EXCAVATION FOR ESTIMATE

COMMON EXCAVATION (FROM CROSS SECTIONS)	5,384.31	
EARTH FROM DRIVES, OLD ROAD, ETC.	225.15	
GRUBBING IN FILL	331.15	
LOAM SALVAGE IN FILL	0.00	
UNDERCUT	0.00	
MUCK EXCAVATION	0.00	
CULVERT INLET AND OUTLET DITCHES	0.00	
PAVEMENT SALVAGE IN FILL	0.00	
TOTAL COMMON EXCAVATION		5,940.61

FILL FOR BORROW CALCULATIONS

COMMON FILL (FROM CROSS SECTIONS)	157.44	
FILL FOR DRIVES	44.41	
GRUBBING IN FILL	331.15	
LOAM SALVAGE IN FILL	0.00	
UNDERCUT	0.00	
MUCK EXCAVATION	0.00	
PAVEMENT SALVAGE IN FILL	0.00	
TOTAL FILL		533.00

AVAILABLE COMMON EXCAVATION FOR BORROW CALCULATIONS

(1) TOTAL COMMON EXCAVATION		5,940.61
DEDUCTIONS:		
GRUBBING IN CUT	102.93	
GRUBBING IN FILL	331.15	
LOAM SALVAGE IN CUT	0.00	
LOAM SALVAGE IN FILL	0.00	
UNDERCUT	0.00	
MUCK EXCAVATION	0.00	
PAVEMENT SALVAGE (CUT & FILL)	456.30	
(2) TOTAL DEDUCTIONS		890.38
TOTAL AVAILABLE COMMON EXCAVATION (1) MINUS (2)		5,050.23
TOTAL AVAILABLE STRUCT. EXCAVATIONS (USUALLY UNDERDRAIN ONLY)		
TOTAL AVAILABLE NON-ROCK EXCAVATION		5,050.23

COMPUTATION FOR COMMON BORROW FOR ESTIMATE

(3)TOTAL FILL					533
TOTAL AVAIL. NON-ROCK EXCAV.	5,050	x 0.85 =	4,293		
TOTAL AVAIL. ROCK EXCAV.	0	x 1.33 =	0		
TOTAL AVAIL. STR. ROCK EXCAV.		x 1.33 =	0		
TOTAL WASTE MATERIAL TO BE UTILIZED	0	x 1 =	0		
(4)TOTAL AVAILABLE EXCAVATION				=	4,293
BORROW NEEDED = TOTAL FILL MINUS TOTAL AVAILABLE EXCAVATION					-3,760

IF NO BORROW IS NEEDED, SURPLUS MATERIAL = AVAILABLE EXCAVATION MINUS TOTAL FILL, PLUS TOTAL WASTE MATERIAL TO BE WASTED 3,760

SURPLUS MATERIAL = 3760 CY

NOTE: ALL CALCULATIONS ARE IN CUBIC YARDS

STATE OF MAINE
DEPARTMENT OF TRANSPORTATION

STP-1825(200)X

WIN 18252.00

HIGHWAY PLANS

		BY	DATE
PROJ. MANAGER	S. DAVIS		
DESIGN-DETAILED	R. CHESTER	B. LUCAS	
CHECKED-REVIEWED	-----	-----	-----
DESIGN2-DETAILED2	S.HAYDEN	T.WHITE	NOV 2012
DESIGN3-DETAILED3	------	------	------
REVISIONS 1	------	------	------
REVISIONS 2	------	------	------
REVISIONS 3	------	------	------
REVISIONS 4	------	------	------
FIELD CHANGES	------	------	------

SIGNATURE

P.E. NUMBER

DATE

CASTINE-PENOBSCOT
ROUTE 166 / 166A

ESTIMATED QUANTITIES

SHEET NUMBER

3

OF 26

Filename: ...\HIGHWAY\MSTA\003_Estimate.dgn Division: HIGHWAY Username: robert.chester Date:7/29/2013

GENERAL NOTES

1) A TEMPORARY RAMP SHALL BE CONSTRUCTED WITH HMA AT THE ENDS OF THE ROADWAY SECTION PAVED OR MILLED EACH DAY. THE USE OF MILLINGS OR RAP WILL NOT BE ALLOWED, BUT COLD PATCH MAY BE TEMPORARILY UTILIZED UNTIL HMA PLANTS ARE OPEN FOR THE SEASON.

FOR SPEED LIMITS LESS THAN 50 MPH, TEMPORARY RAMPS SHALL BE CONSTRUCTED WITH ONE FOOT OF LENGTH FOR EVERY 1/4 9/32 OF TRANSITION DEPTH ON THE LEADING AND THE TRAILING END.

MATERIALS, PLACEMENT, MAINTENANCE, AND REMOVAL SHALL BE INCIDENTAL TO CONTRACT ITEMS.

2) CLEARING LIMITS SHALL BE 10' BEYOND AND PARALLEL TO THE CONSTRUCTION SLOPE LINES OR AS SHOWN ON THE PLANS UNLESS OTHERWISE AUTHORIZED BY THE RESIDENT.

3) ALL CLEARING SHALL BE CONSIDERED INCIDENTAL TO THE CONTRACT AND NO SEPARATE PAYMENT WILL BE MADE. THE ACTUAL LINES FOR CLEARING SHALL BE ESTABLISHED IN THE FIELD BY THE CONTRACTOR AS INDICATED ON THE PLANS AND APPROVED BY THE RESIDENT.

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

5) STUMPS HAVE BEEN ESTIMATED TO BE REMOVED UNDER ITEM 201.24 REMOVE STUMP. HOWEVER, WHERE DIRECTED BY THE RESIDENT, ITEM 631.20 STUMP CHIPPER RENTAL, MAY BE USED TO REMOVE STUMPS.

6) GRUBBING IN FILL AREAS HAS BEEN SHOWN ON THE CROSS SECTIONS AND THE QUANTITIES NOTED. THESE LIMITS ARE APPROXIMATE AND HAVE BEEN USED FOR ESTIMATING PURPOSES ONLY. ACTUAL GRUBBING LIMITS MAY VARY BASED ON FIELD CONDITIONS AS DIRECTED BY THE RESIDENT. ESTIMATED GRUBBING DEPTHS ARE 9 9/32 INCHES IN FIELD AREAS AND 15 9/32 INCHES IN WOODED AREAS.

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

8) DRIVEWAY FILL SIDE SLOPES SHALL BE THE SAME AS THE NON-GUARDRAIL FILL SLOPES UNLESS OTHERWISE NOTED ON THE PLANS.

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

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

11) IF FOUNDATION MATERIAL IS REQUIRED UNDER CULVERTS, IT SHALL MEET THE REQUIREMENTS FOR GRANULAR BORROW - UNDERWATER BACKFILL AND WILL PAID FOR AS GRANULAR BORROW.

12) GRANULAR BORROW USED TO BACKFILL MUCK EXCAVATION OR IN LOW WET AREAS TO 1' ABOVE WATER LEVEL OR OLD GROUND SHALL MEET REQUIREMENTS FOR GRANULAR BORROW UNDERWATER BACKFILL.

13) RESIDENTIAL PAVED ENTRANCES SHALL BE CONSTRUCTED WITH: 2" HOT MIX ASPHALT AND 12" AGGREGATE SUBBASE COURSE GRAVEL.

14) UNPAVED ENTRANCES SHALL BE CONSTRUCTED WITH 14" AGGREGATE SUBBASE COURSE GRAVEL OR 11" AGGREGATE SUBBASE COURSE GRAVEL AND 3" UNTREATED AGGREGATE SURFACE COURSE UNLESS OTHERWISE NOTED IN THE PLANS OR DIRECTED BY THE RESIDENT.

15) GRASSED ENTRANCES SHALL BE CONSTRUCTED WITH 12" AGGREGATE SUBBASE COURSE GRAVEL AND 2" LOAM, SEED & MULCH UNLESS OTHERWISE NOTED IN THE PLANS OR DIRECTED BY THE RESIDENT.

16) A 3' PAVED LIP SHALL BE PLACED AT ALL GRAVEL ENTRANCES UNLESS OTHERWISE NOTED IN THE PLANS OR DIRECTED BY THE RESIDENT.

17) WHEN SUPER ELEVATION EXCEEDS THE SLOPE OF THE LOW SIDE SHOULDER, THE SHOULDER PAVEMENT WILL HAVE SAME SLOPE AS TRAVELED WAY.

18) THE FOLLOWING SHALL BE INCIDENTAL TO THE 603 ITEM(S):
A. ANY CUTTING OF EXISTING CULVERTS AND OR CONNECTORS NECESSARY TO INSTALL NEW CULVERT REPLACEMENTS OR EXTENSIONS
B. ALL PIPE EXCAVATION INCLUDING ANY CUTTING AND REMOVAL OF PAVEMENT
C. ALL DITCHING AT PIPE ENDS.
D. ALL WORK NECESSARY TO CONNECT TO EXISTING PIPES AND DRAINAGE STRUCTURES
E. ANY NECESSARY CLEARING OF BRUSH AND NON-PAY TREES WITHIN 10 FEET OF CULVERT ENDS
F. AN 18 9/32 WIDE STRIP OF NON-WOVEN GEO-TEXTILE MEETING THE REQUIREMENTS OF 620.58 SHALL BE PLACED OVER ALL RCP JOINTS.

19) EXISTING CULVERTS AND CATCH BASINS WILL BE CLEANED AS DIRECTED BY THE RESIDENT UNDER THE APPROPRIATE PAY ITEMS.

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

21) INLETS AND OUTLETS OF CULVERTS AND UNDERDRAIN OUTLETS SHALL BE RIPRAPPED UNLESS OTHERWISE NOTED ON THE PLANS OR DIRECTED BY THE RESIDENT.

22) PLASTIC END CAPS SHALL BE USED ON ALL DEAD-END 6-INCH TYPE B UNDERDRAIN.

23) ALL UNDERDRAIN NOT SHOWN ON THE CROSS SECTIONS WILL HAVE A FLOW LINE OF 5.5 FEET BELOW FINISH GRADE DIRECTLY ABOVE THE UNDERDRAIN AND UNDERDRAIN SAND BACKFILL PLACED TO AN ELEVATION EQUAL TO THE BOTTOM OF THE NEW GRAVEL LAYER. ALL UNDERDRAIN SHOWN ON THE CROSS SECTIONS WILL HAVE THE FLOW LINE SCALED FROM THE CROSS SECTIONS. ALL FLOW LINE ELEVATIONS ARE SUBJECT TO APPROVAL BY THE RESIDENT.

24) ALL CONNECTIONS FOR CELLAR DRAINS TO ROADWAY CULVERTS WILL BE INCIDENTAL TO THE RELATED ITEMS.

25) A DELINEATOR POST (ITEM 606.356) WILL BE INSTALLED AT EACH UNDERDRAIN OUTLET.

26) A DELINEATOR POST (ITEM 606.356) WILL BE INSTALLED AT THE END OF EACH SECTION OF BIT. CURB.

27) BACKING UP BITUMINOUS CURB IS INCIDENTAL TO THE CURB ITEMS. IF DIRECTED, LOAM OR DIRTY BORROW WILL BE PAID FOR SEPARATELY. IN AREAS WHERE NEW BITUMINOUS CURB IS DESIGNATED TO REPLACE EXISTING, THE REMOVAL OF THE OLD BITUMINOUS CURB SHALL BE INCIDENTAL TO THE NEW CURB.

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

29) UNLESS OTHERWISE NOTED SEEDING METHOD NO. 1 SHALL BE UTILIZED ON ALL LAWNS AND DEVELOPED AREAS; SEEDING METHOD NO. 2 SHALL BE UTILIZED ON ALL NON-GUARDRAIL SLOPES. SEEDING METHOD NO. 3 SHALL BE UTILIZED ON ALL GUARDRAIL FILL SLOPES. ON LONG NON-GUARDRAIL BACKSLOPES, SEEDING METHOD NO. 3 MAY BE USED INSTEAD OF METHOD NO. 2 IF NOTED OR DIRECTED BY THE RESIDENT.

30) LOAM SHALL BE PLACED TO A NOMINAL DEPTH OF 4 INCHES IN LAWN AREAS AND 2 INCHES IN ALL OTHER AREAS UNLESS OTHERWISE NOTED OR DIRECTED.

31) THE CONTRACTOR WILL BE RESPONSIBLE FOR MAINTAINING ALL EXISTING MAILBOXES TO ENSURE THAT THE MAIL WILL BE DELIVERABLE EACH DAY. PAYMENT WILL BE MADE UNDER APPROPRIATE RENTAL ITEMS.

32) 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.

33) PLANS OF PREVIOUSLY CONSTRUCTED PROJECTS ARE AVAILABLE ON REQUEST. THESE PROJECTS ARE: STP-9720(00)X

34) A COPY OF THE SOILS REPORT FOR THIS PROJECT IS AVAILABLE AT HTTP://WWW.MAINE.GOV/MDOT/CONTRACTORS/ . ALL COMPUTATION METHODS AND QUANTITIES USED FOR THE ENGINEER'S ESTIMATE FOR PLAN QUANTITY ITEMS ONLY ARE AVAILABLE BY CONTACTING REGION 4 PROJECT MANAGER SHAWN DAVIS AT 207-941-4754.

35) THE FILL QUANTITY SHOWN ON THE CROSS SECTIONS INCLUDES THE WASTE STORAGE.

36) ADDITIONAL EXCAVATION FOR THE CONTRACTOR'S CONVENIENCE OR TO COMPLY WITH BACKSLOPING REQUIREMENTS WILL NOT BE PAID FOR DIRECTLY BUT WILL BE CONSIDERED INCIDENTAL TO THE RELATED DRAINAGE ITEMS.

37) NO SEPARATE PAYMENT FOR SUPERINTENDENT OR FOREMAN WILL BE MADE FOR THE SUPERVISION OF EQUIPMENT BEING PAID FOR UNDER THE EQUIPMENT RENTAL ITEMS.

38) 7/32 UNDETERMINED LOCATIONS 9/32 SHALL BE DETERMINED BY THE RESIDENT.

39) STATIONS REFERENCED ARE APPROXIMATE.

40) ALL WORK SHALL BE DONE IN ACCORDANCE WITH THE MAINE DEPARTMENT OF TRANSPORTATION 5/32 S BEST MANAGEMENT PRACTICES FOR EROSION & SEDIMENTATION CONTROL, FEBRUARY, 2008.

41) ELM TREE LOCATED AT APPROXIMATE STATION 276+00 RT TO BE RELOCATED OUTSIDE OF CUT AREA, BUT WITHIN ROW. PAYMENT TO BE MADE UNDER APPROPRIATE RENTAL ITEMS.

42) WATER LINE CROSSING UNDER THE ROADWAY AT STATION 281+77 TO BE SLEEVED IF NEEDED. PAYMENT TO BE DETERMINED IN THE FIELD OR VIA FORCE ACCOUNT.

43) 1.25 9/32 WATER LINE FROM STATIONS 850+50 TO 840+00 RT AND STATIONS 278+00 TO 282+50 RT TO BE RELOCATED IF NEEDED. PAYMENT TO BE DETERMINED IN THE FIELD OR VIA FORCE ACCOUNT.

44) ANY PAVEMENT REMOVED WILL REQUIRE BASE PAVEMENT PRIOR TO WINTER SHUTDOWN.

45) TEMPORARY PAVEMENT MARKINGS SHALL BE PAINT, ON BASE PAVEMENT PRIOR TO WINTER SHUTDOWN.

STATE OF MAINE
DEPARTMENT OF TRANSPORTATION

STP-1825(200)X

WIN 18252.00

HIGHWAY PLANS

		BY	DATE
PROJ. MANAGER	S. DAVIS	B. LUCAS	
DESIGN-DETAILED	R. CHESTER		
CHECKED-REVIEWED			
DESIGN2-DETAILED2	S.HAYDEN	T.WHITE	NOV 2012
DESIGN3-DETAILED3			
REVISIONS 1			
REVISIONS 2			
REVISIONS 3			
REVISIONS 4			
FIELD CHANGES			

SIGNATURE

P.E. NUMBER

DATE

CASTINE-PENOBSCOT
ROUTE 166 / 166A

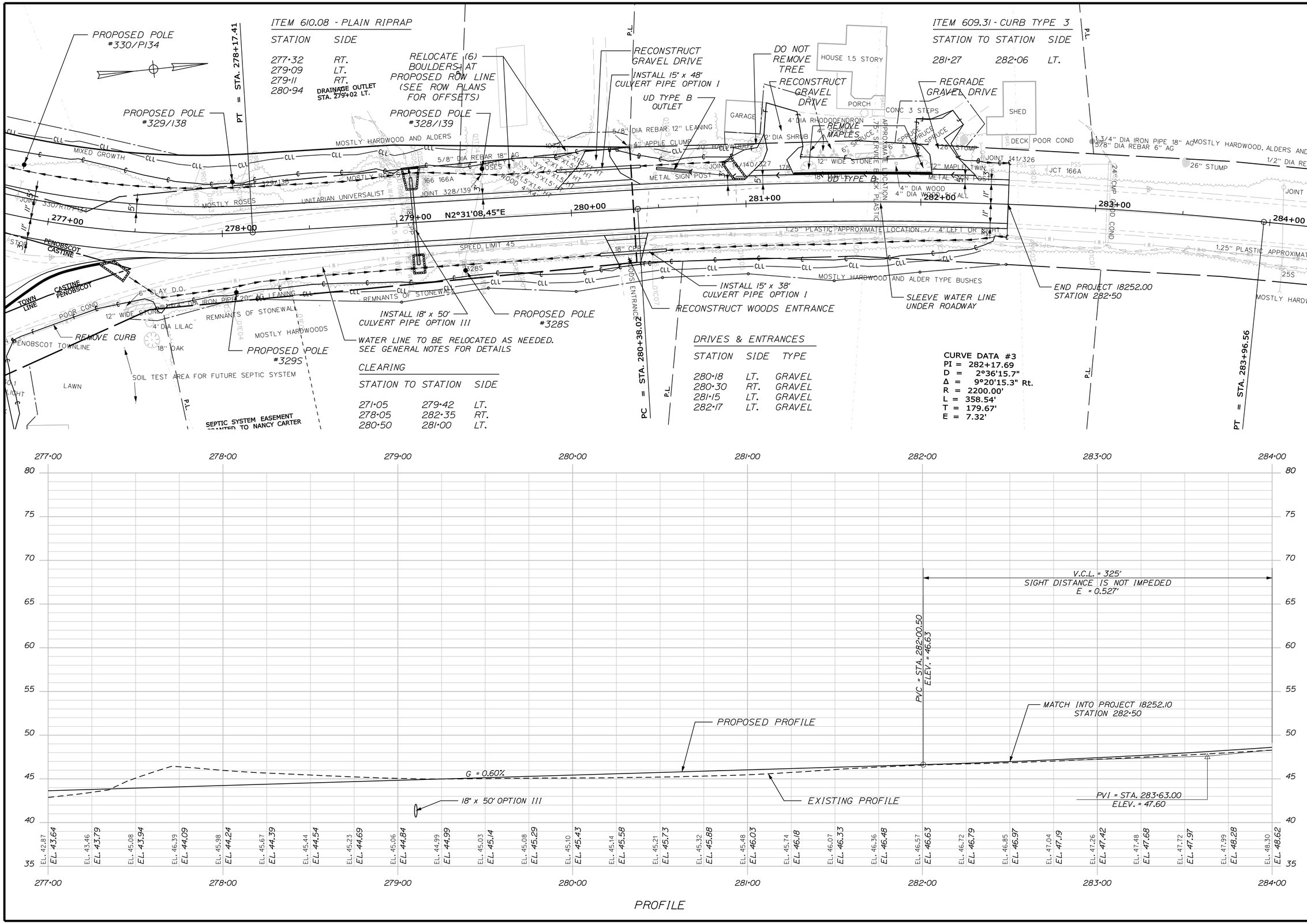
GENERAL NOTES

SHEET NUMBER

4

OF 26

Filename: ...\MSTA\004_GeneralNotes.dgn Division: HIGHWAY Username: robert.chester Date:7/29/2013



STA.277+00.00 TO STA. 282+50.00

STATE OF MAINE
DEPARTMENT OF TRANSPORTATION

STP-1825(200)X

WIN 18252.00

HIGHWAY PLANS

PROJ. MANAGER	S. DAVIS	BY	DATE
DESIGN-DETAILED	R. CHESTER	B. LUCAS	
CHECKED-REVIEWED			
DESIGN2-DETAILED2	S.HAYDEN	T.WHITE	NOV 2012
DESIGN3-DETAILED3			
REVISIONS 1			
REVISIONS 2			
REVISIONS 3			
REVISIONS 4			
FIELD CHANGES			

SIGNATURE

P.E. NUMBER

DATE

CASTINE-PENOBSCOT
ROUTE 166 / 166A

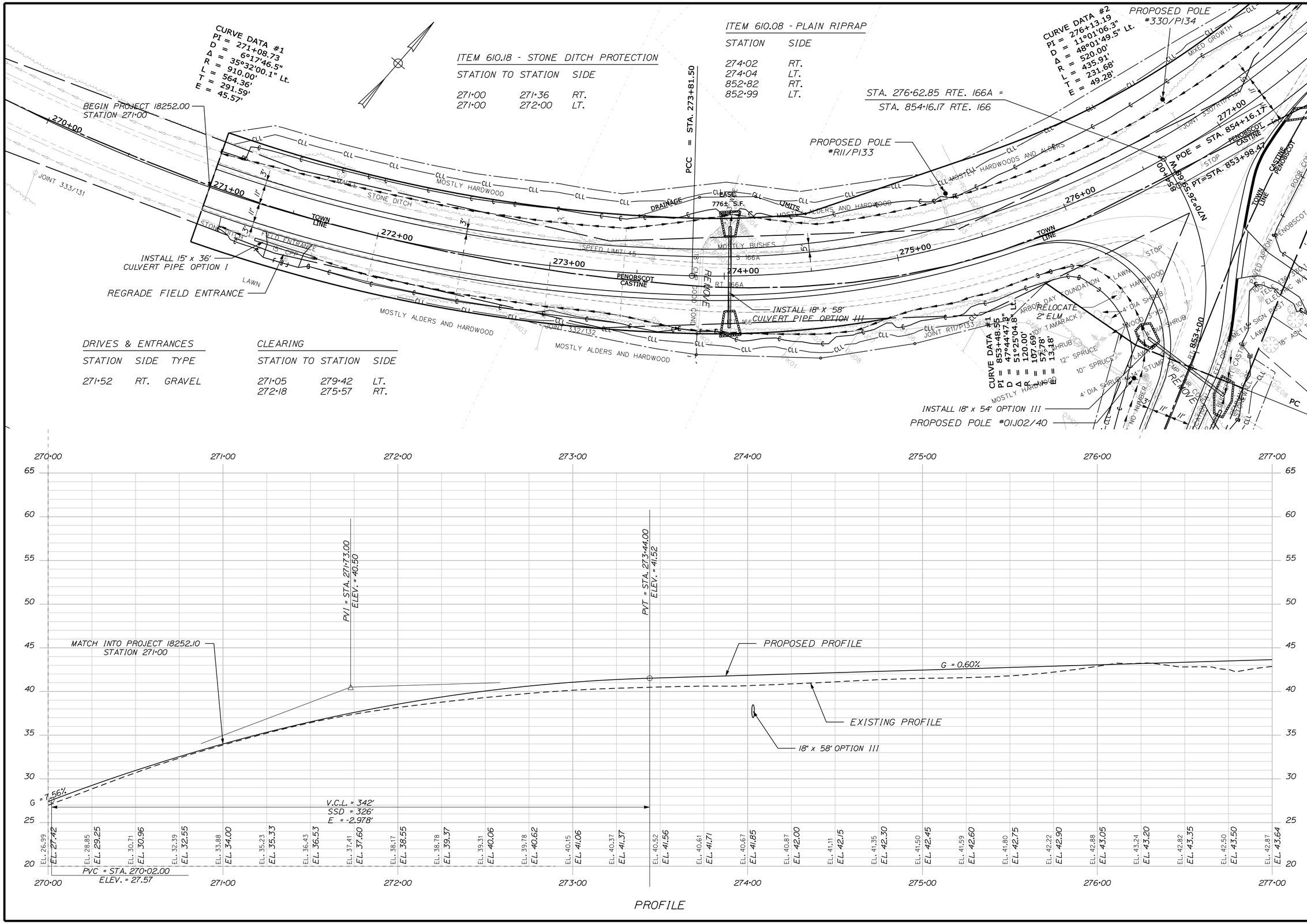
PLANS

SHEET NUMBER

6

OF 26

Filename: ...\HIGHWAY\MSTA\006_HDPLAN2.DGN Division: HIGHWAY Username: Joshua.N.Maliman Date:8/12/2013



DRIVES & ENTRANCES

STATION	SIDE	TYPE
271+52	RT.	GRAVEL

CLEARING

STATION TO	STATION	SIDE
271+05	279+42	LT.
272+18	275+57	RT.

STATE OF MAINE
DEPARTMENT OF TRANSPORTATION

STP-1825(200)X

WIN 18252.00

HIGHWAY PLANS

	BY	DATE
PROJ. MANAGER	S. DAVIS	
DESIGN-DETAILED	R. CHESTER	B. LUCAS
CHECKED-REVIEWED		
DESIGN2-DETAILED2	S.HAYDEN	T.WHITE
DESIGN3-DETAILED3		
REVISIONS 1		
REVISIONS 2		
REVISIONS 3		
REVISIONS 4		
FIELD CHANGES		

SIGNATURE

P.E. NUMBER

DATE

CASTINE-PENOBSCOT
ROUTE 166 / 166A

PLANS

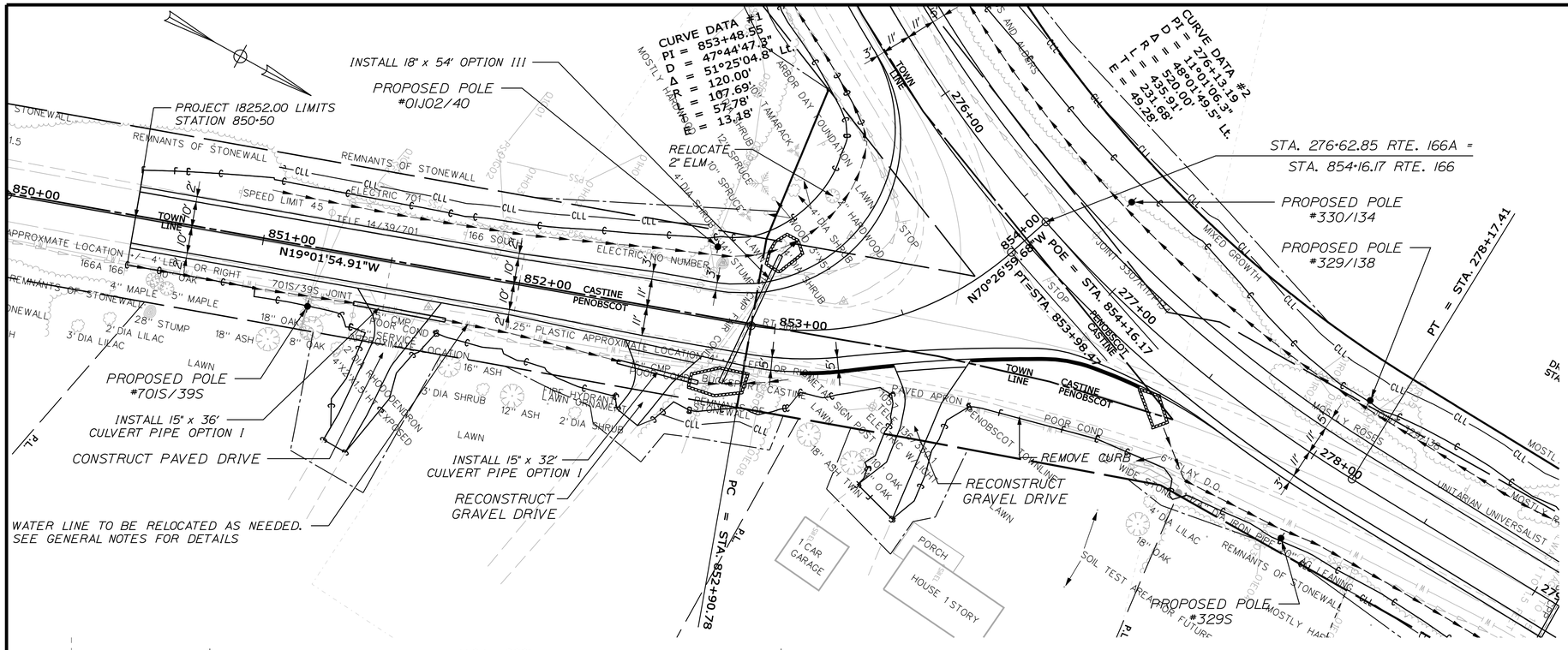
SHEET NUMBER

5

OF 26

STA. 271+00.00 TO STA. 277+00.00

Filename: ...\HIGHWAY\MSTA\005_HDPLAN1.DGN Division: HIGHWAY Username: Joshua.N.Mailman Date:8/12/2013



DRIVES & ENTRANCES

STATION	SIDE	TYPE
851+56	RT.	PAVED
852+60	RT.	GRAVEL
853+55	RT.	GRAVEL

CLEARING

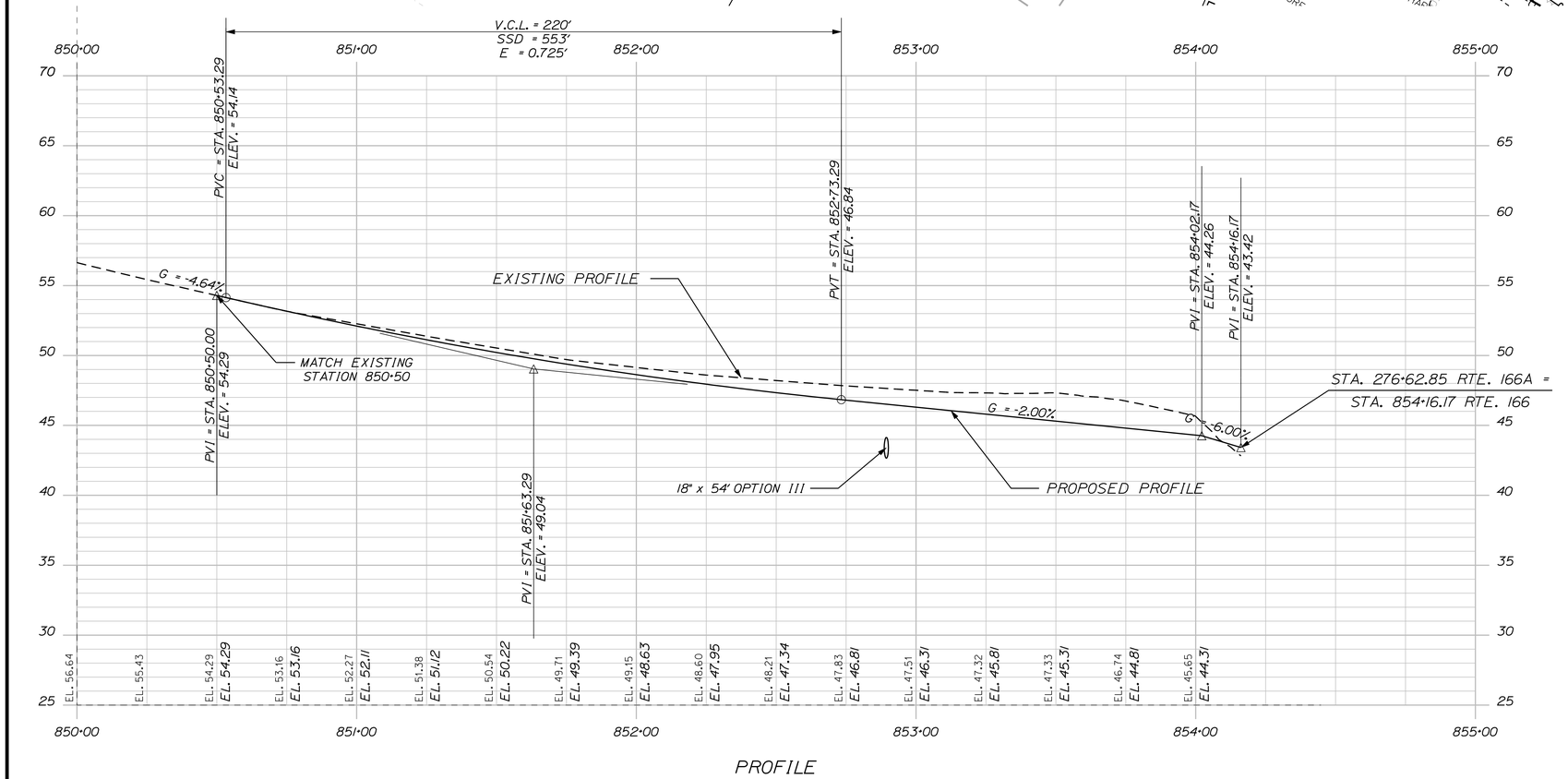
STATION TO STATION		SIDE
851+01	852+70	LT.
852+62	853+00	RT.

ITEM 609.31 - CURB TYPE 3

STATION TO STATION		SIDE
853+10	853+42	RT.
853+66	854+02	RT.

ITEM 610.08 - PLAIN RIPRAP

STATION	SIDE
852+82	RT.
852+99	LT.



PROFILE

STATE OF MAINE
DEPARTMENT OF TRANSPORTATION

STP-1825(200)X

WIN 18252.00

HIGHWAY PLANS

		BY	DATE
PROJ. MANAGER	S. DAVIS		
DESIGN-DETAILED	R. CHESTER	B. LUCAS	
CHECKED-REVIEWED	----	----	
DESIGN2-DETAILED2	S.HAYDEN	T.WHITE	NOV 2012
DESIGN3-DETAILED3	------	------	------
REVISIONS 1	------	------	------
REVISIONS 2	------	------	------
REVISIONS 3	------	------	------
REVISIONS 4	------	------	------
FIELD CHANGES	------	------	------

SIGNATURE

P.E. NUMBER

DATE

CASTINE-PENOBSCOT
ROUTE 166 / 166A

PLANS

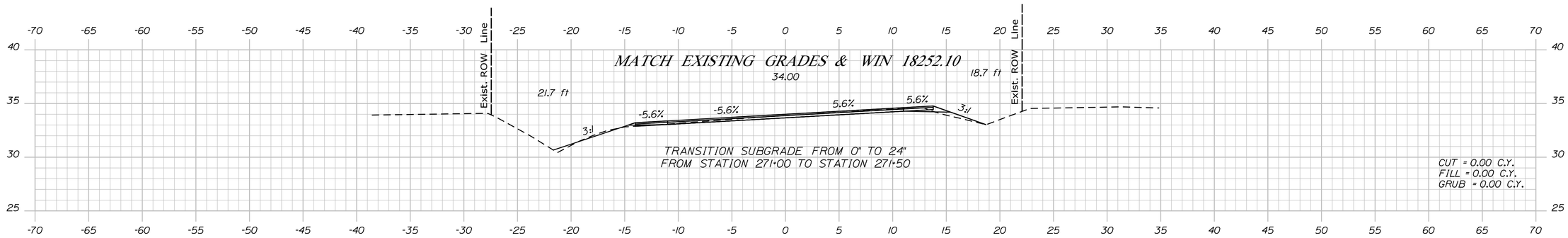
SHEET NUMBER

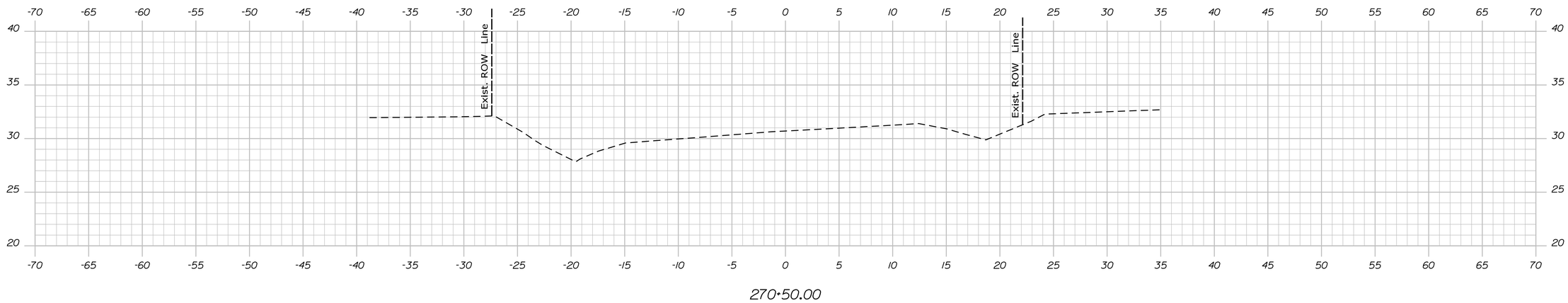
7

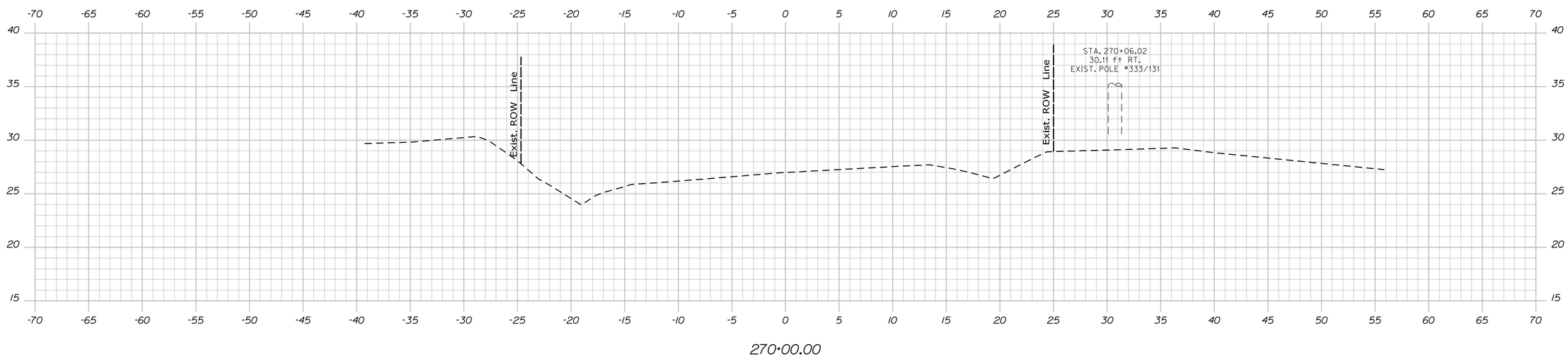
OF 26

STA. 850+50.00 TO STA. 854+16.17

Filename: ...\HIGHWAY\MSTA\007_HDPLAN166.DGN Division: HIGHWAY Username: Joshua.N.Malman Date:8/12/2013







STATE OF MAINE
DEPARTMENT OF TRANSPORTATION

STP-1825(200)X

WIN
18252.00

HIGHWAY PLANS

PROJ. MANAGER	S. DAVIS	BY	DATE
DESIGN-DETAILED	R. CHESTER	B. LUCAS	-----
CHECKED-REVIEWED	-----	-----	-----
DESIGN2-DETAILED2	S.HAYDEN	T.WHITE	NOV 2012
DESIGN3-DETAILED3	------	------	------
REVISIONS 1	------	------	------
REVISIONS 2	------	------	------
REVISIONS 3	------	------	------
REVISIONS 4	------	------	------
FIELD CHANGES	------	------	------

SIGNATURE

P.E. NUMBER

DATE

CASTINE-PENOBSCOT
ROUTE 166 / 166A

CROSS SECTIONS

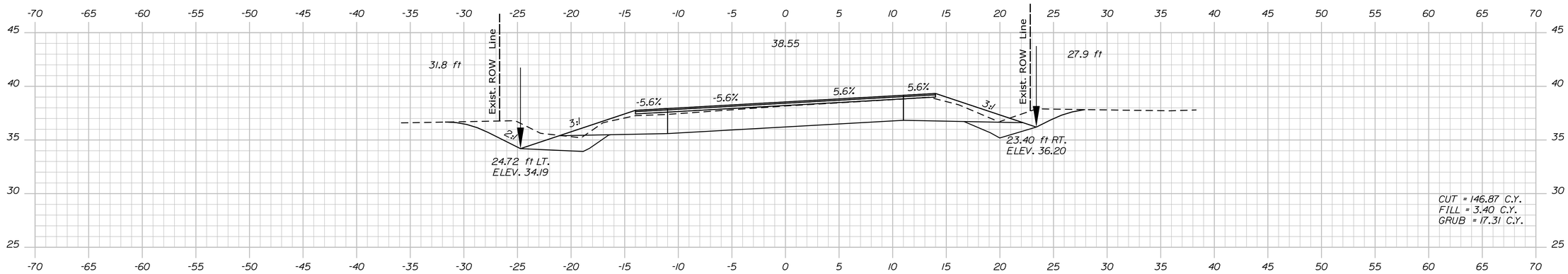
SHEET NUMBER

8

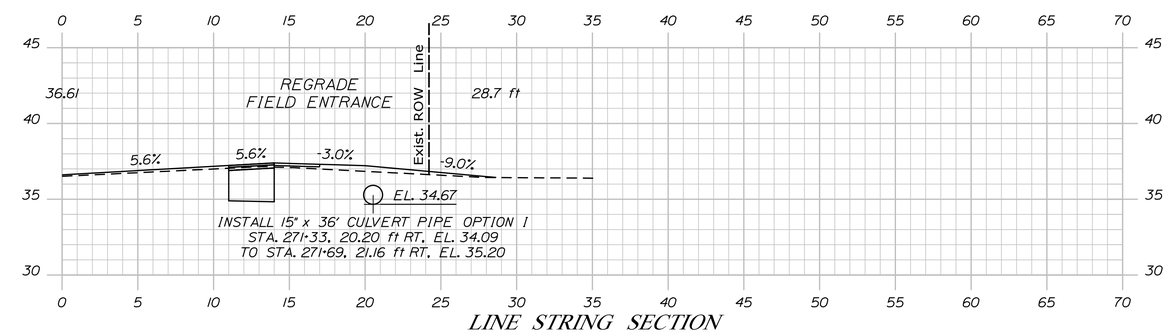
OF 26

Filename: ...\MSTA\008_Xsect_270+00_001.dgn Division: HIGHWAY Username: robert.chester Date:7/29/2013

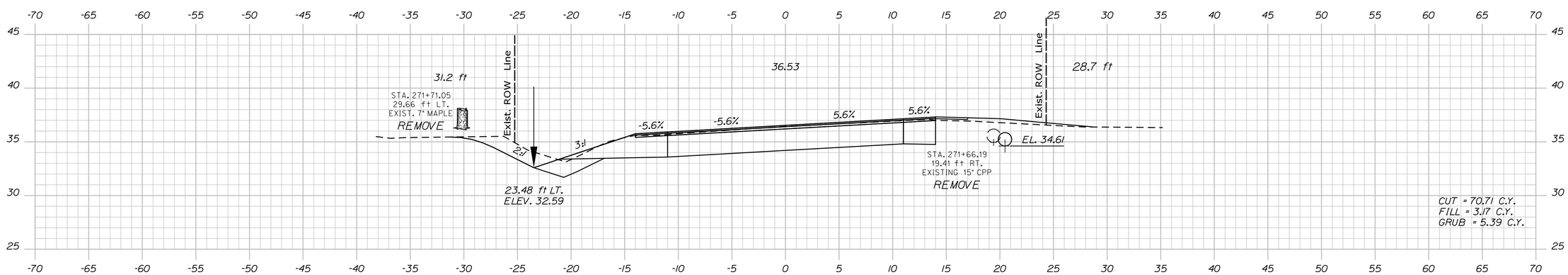
Sta. 270+00.00 to Sta. 271+00.00



272+00.00



271+51.86



271+50.00

STATE OF MAINE
DEPARTMENT OF TRANSPORTATION

STP-1825(200)X

WIN
18252.00

HIGHWAY PLANS

PROJ. MANAGER	S. DAVIS	BY	DATE
DESIGN-DETAILED	R. CHESTER	B. LUCAS	-----
CHECKED-REVIEWED	-----	-----	-----
DESIGN2-DETAILED2	S.HAYDEN	T.WHITE	NOV 2012
DESIGN3-DETAILED3	------	------	------
REVISIONS 1	------	------	------
REVISIONS 2	------	------	------
REVISIONS 3	------	------	------
REVISIONS 4	------	------	------
FIELD CHANGES	------	------	------

SIGNATURE

P.E. NUMBER

DATE

CASTINE-PENOBSCOT
ROUTE 166 / 166A

CROSS SECTIONS

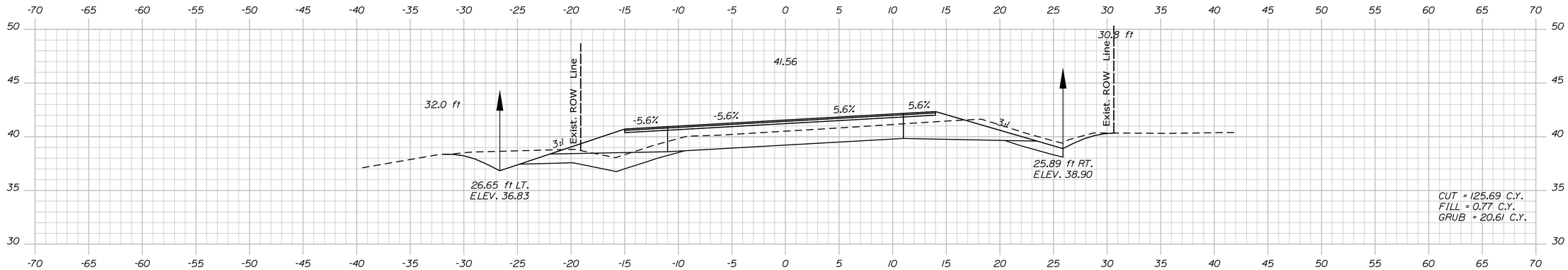
SHEET NUMBER

9

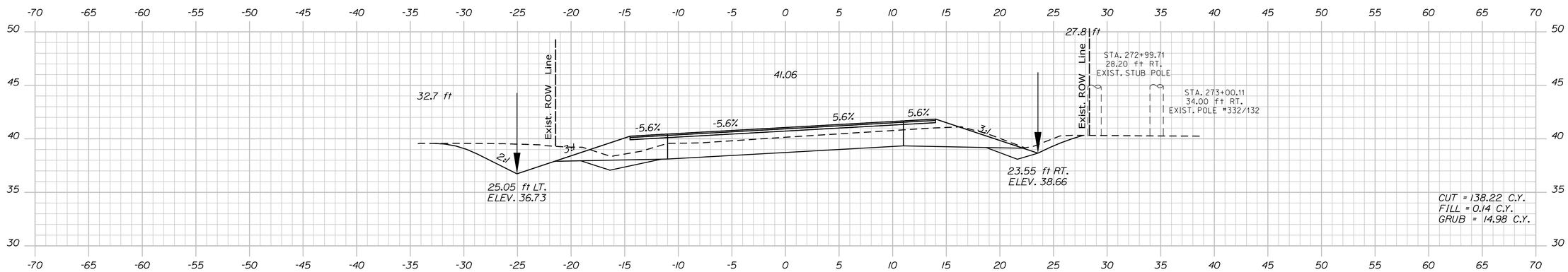
OF 26

Sta. 271+50.00 to Sta. 272+00.00

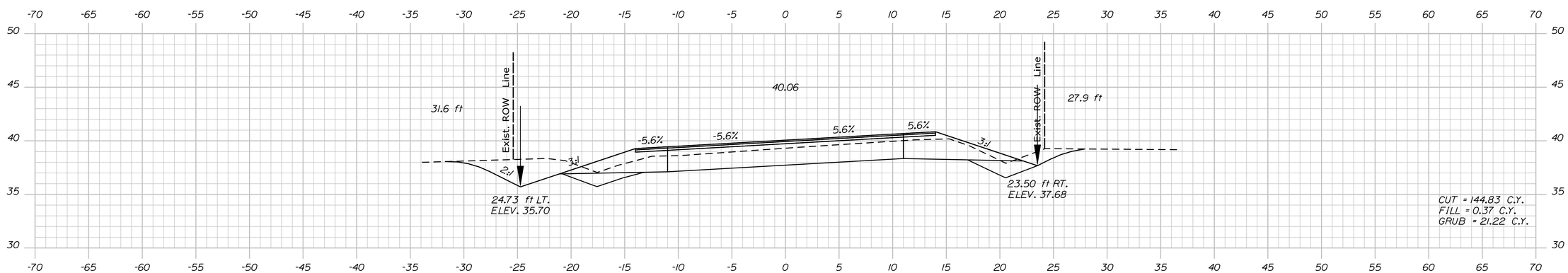
Filename: ...\MSTA\009_Xsect_271+50_002.dgn Division: HIGHWAY Username: robert.chester Date:7/29/2013



273+50.00



273+00.00



272+50.00

Sta. 272+50.00 to Sta. 273+50.00

STATE OF MAINE
DEPARTMENT OF TRANSPORTATION

STP-1825(200)X

WIN
18252.00

HIGHWAY PLANS

PROJ. MANAGER	S. DAVIS	BY	DATE
DESIGN-DETAILED	R. CHESTER	B. LUCAS	----
CHECKED-REVIEWED	----	----	----
DESIGN2-DETAILED2	S.HAYDEN	T.WHITE	NOV 2012
DESIGN3-DETAILED3	------	------	------
REVISIONS 1	------	------	------
REVISIONS 2	------	------	------
REVISIONS 3	------	------	------
REVISIONS 4	------	------	------
FIELD CHANGES	------	------	------

SIGNATURE

P.E. NUMBER

DATE

CASTINE-PENOBSCOT
ROUTE 166 / 166A

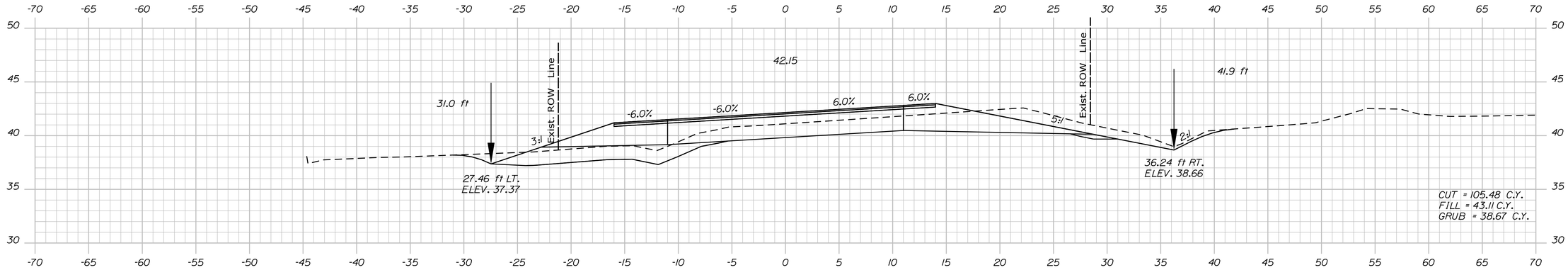
CROSS SECTIONS

SHEET NUMBER

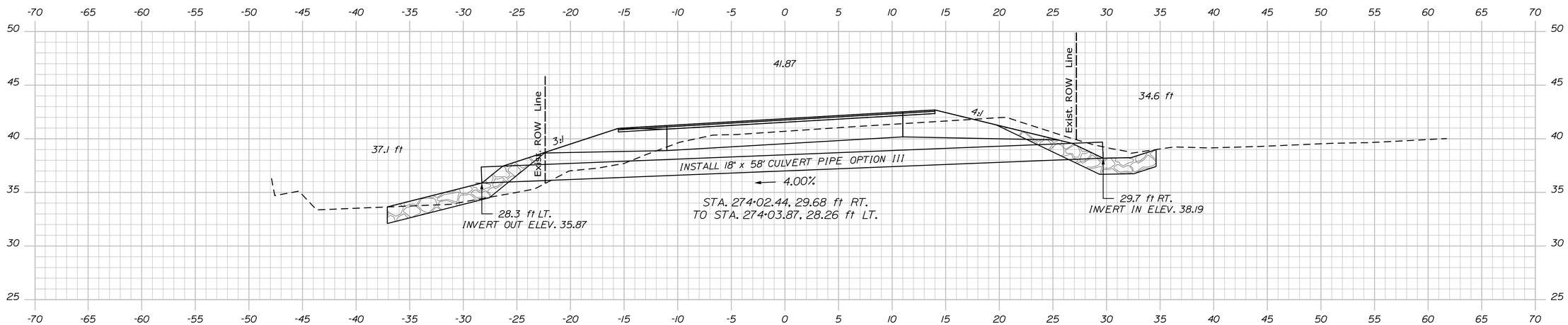
10

OF 26

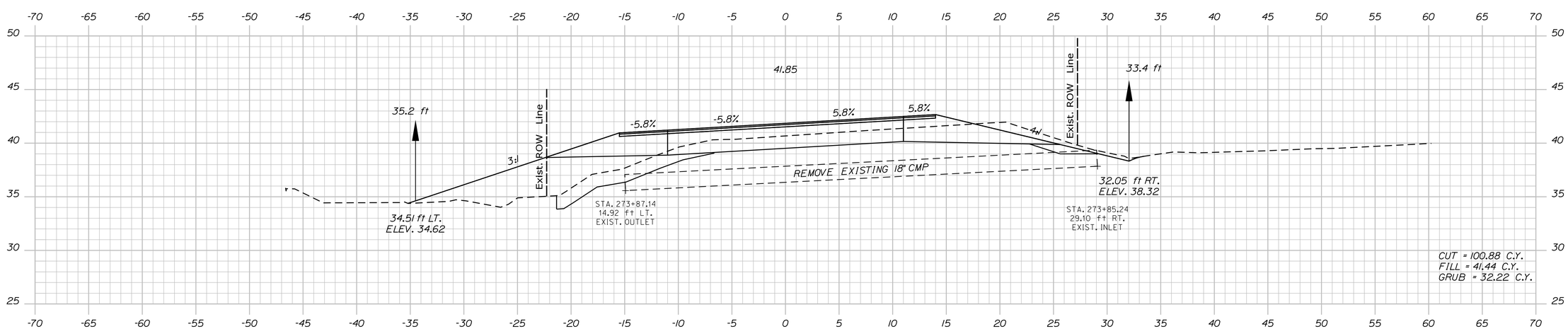
Filename: ...\MSTA\010_Xsect_272+50_003.dgn Division: HIGHWAY Username: robert.chester Date:7/29/2013



274+50.00



LINE STRING SECTION
274+03.13



274+00.00

STATE OF MAINE
DEPARTMENT OF TRANSPORTATION

STP-1825(200)X

WIN
18252.00

HIGHWAY PLANS

		BY	DATE
PROJ. MANAGER	S. DAVIS		
DESIGN-DETAILED	R. CHESTER	B. LUCAS	
CHECKED-REVIEWED			
DESIGN2-DETAILED2	S.HAYDEN	T.WHITE	NOV 2012
DESIGN3-DETAILED3			
REVISIONS 1			
REVISIONS 2			
REVISIONS 3			
REVISIONS 4			
FIELD CHANGES			

SIGNATURE

P.E. NUMBER

DATE

CASTINE-PENOBSCOT
ROUTE 166 / 166A

CROSS SECTIONS

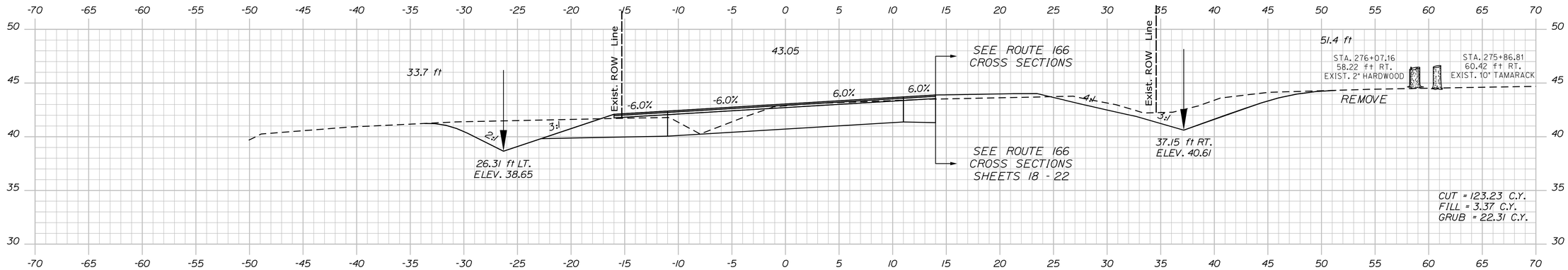
SHEET NUMBER

11

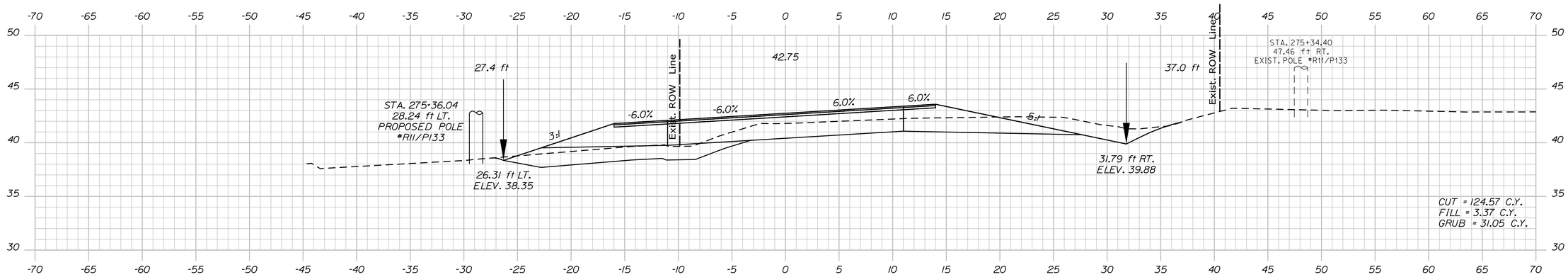
OF 26

Filename: ...\MSTA\011_Xsect_274+00_004.dgn Division: HIGHWAY Username: robert.chester Date:7/29/2013

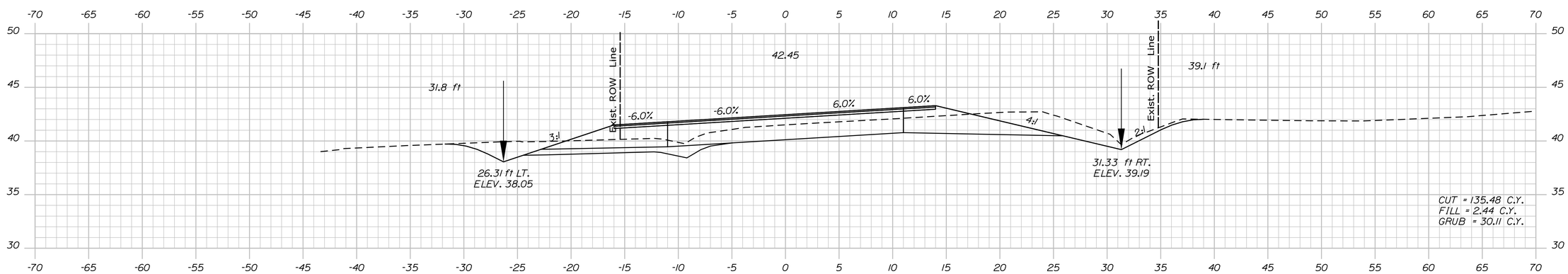
Sta. 274+00.00 to Sta. 274+50.00



276+00.00



275+50.00



275+00.00

STATE OF MAINE
DEPARTMENT OF TRANSPORTATION

STP-1825(200)X

WIN
18252.00

HIGHWAY PLANS

PROJ. MANAGER	S. DAVIS	BY	DATE
DESIGN-DETAILED	R. CHESTER	B. LUCAS	
CHECKED-REVIEWED	-----	-----	
DESIGN2-DETAILED2	S.HAYDEN	T.WHITE	NOV 2012
DESIGN3-DETAILED3	------	------	------
REVISIONS 1	------	------	------
REVISIONS 2	------	------	------
REVISIONS 3	------	------	------
REVISIONS 4	------	------	------
FIELD CHANGES	------	------	------

SIGNATURE

P.E. NUMBER

DATE

CASTINE-PENOBSCOT
ROUTE 166 / 166A

CROSS SECTIONS

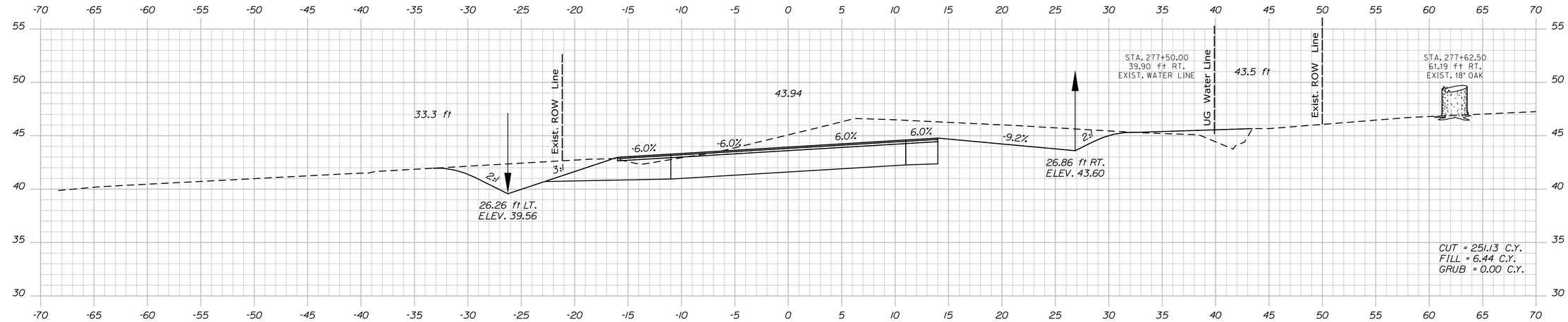
SHEET NUMBER

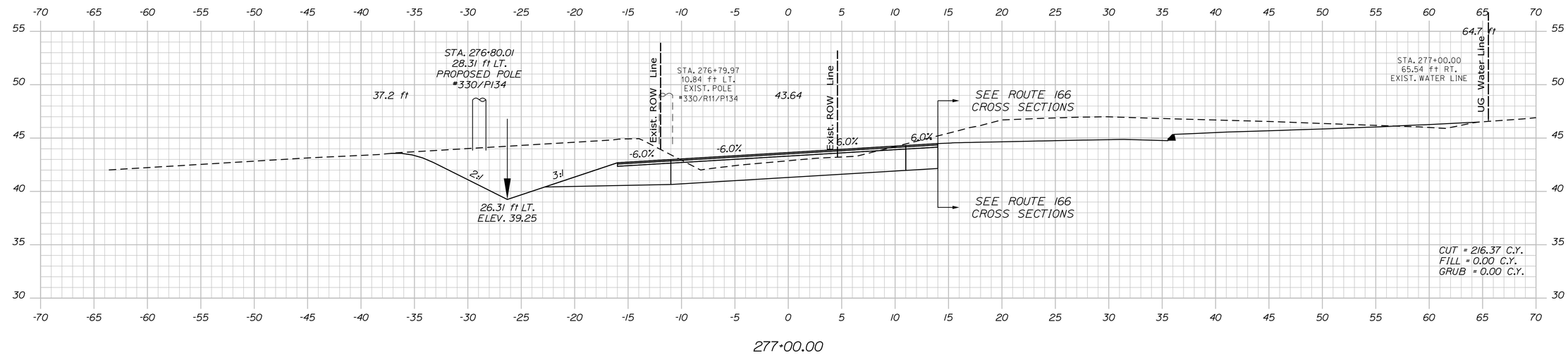
12

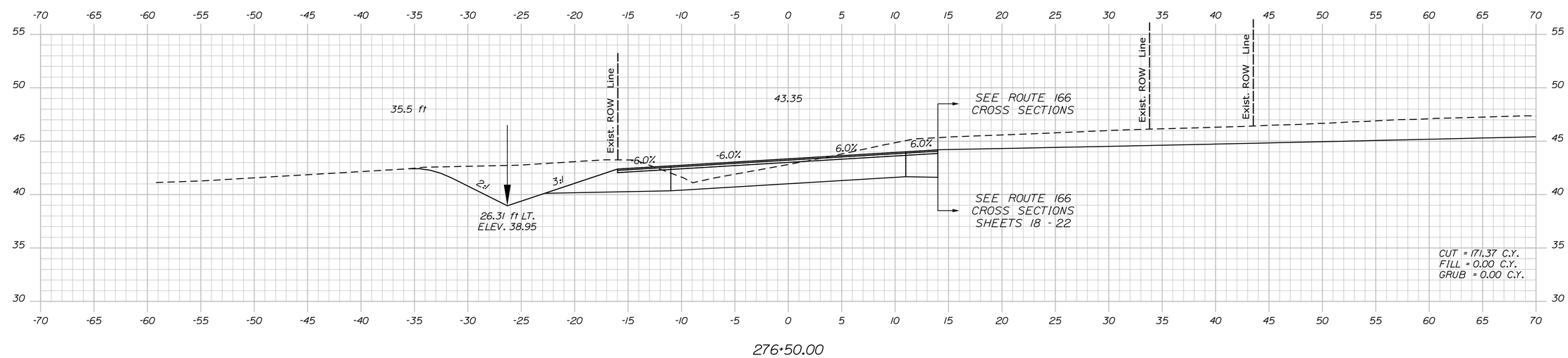
OF 26

Sta. 275+00.00 to Sta. 276+00.00

Filename: ...\MSTA\012_Xsect_275+00_005.dgn Division: HIGHWAY Username: robert.chester Date:7/29/2013







STATE OF MAINE
DEPARTMENT OF TRANSPORTATION

STP-1825(200)X

WIN 18252.00

HIGHWAY PLANS

		BY	DATE
PROJ. MANAGER	S. DAVIS		
DESIGN-DETAILED	R. CHESTER	B. LUCAS	
CHECKED-REVIEWED			
DESIGN2-DETAILED2	S.HAYDEN	T.WHITE	NOV 2012
DESIGN3-DETAILED3			
REVISIONS 1			
REVISIONS 2			
REVISIONS 3			
REVISIONS 4			
FIELD CHANGES			

SIGNATURE

P.E. NUMBER

DATE

CASTINE-PENOBSCOT
ROUTE 166 / 166A

CROSS SECTIONS

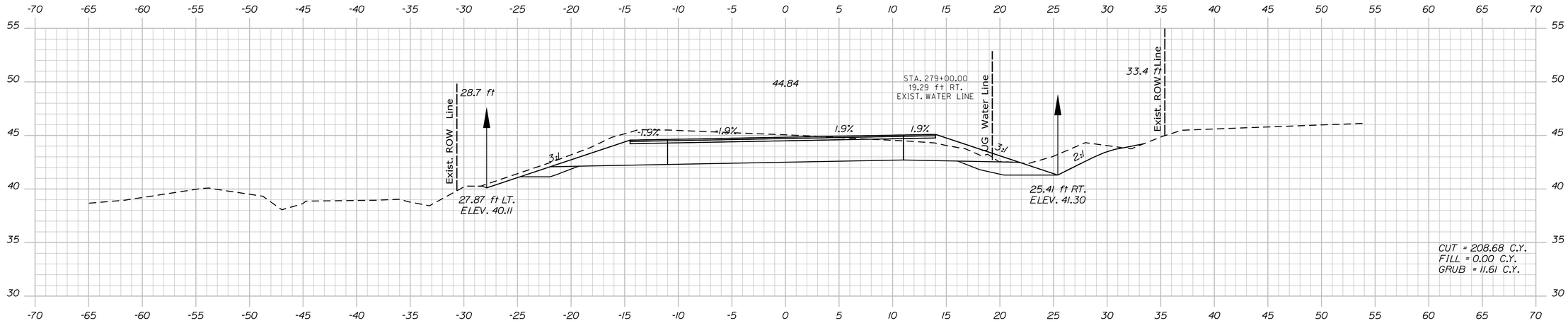
SHEET NUMBER

13

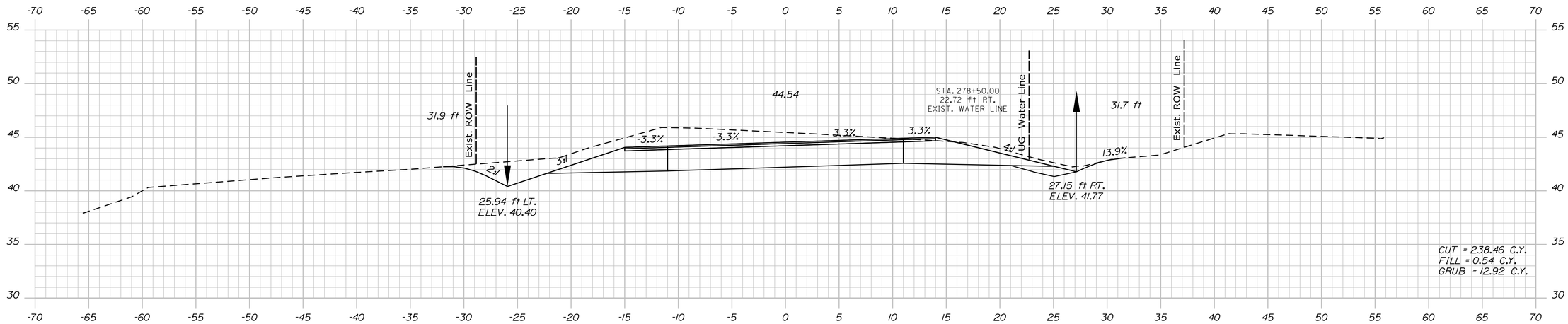
OF 26

Sta. 276+50.00 to Sta. 277+50.00

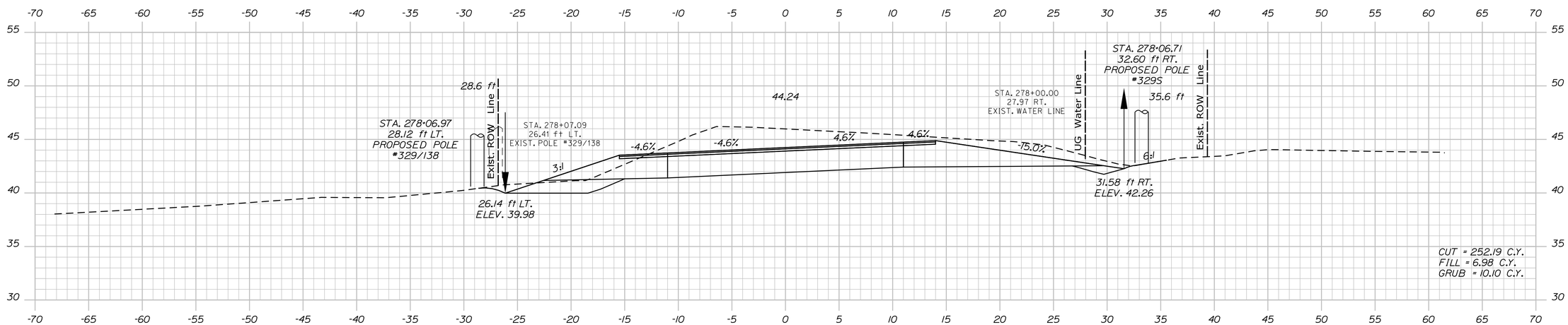
Filename: ...\MSTA\013_Xsect_276+50_006.dgn Division: HIGHWAY Username: robert.chester Date:7/29/2013



279+00.00



278+50.00



278+00.00

STATE OF MAINE
DEPARTMENT OF TRANSPORTATION

STP-1825(200)X

WIN
18252.00

HIGHWAY PLANS

PROJ. MANAGER	S. DAVIS	BY	DATE	
DESIGN-DETAILED	R. CHESTER	B. LUCAS		SIGNATURE
CHECKED-REVIEWED			NOV 2012	
DESIGN2-DETAILED2	S.HAYDEN	T.WHITE		P.E. NUMBER
DESIGN3-DETAILED3				
REVISIONS 1				
REVISIONS 2				DATE
REVISIONS 3				
REVISIONS 4				
FIELD CHANGES				

CASTINE-PENOBSCOT
ROUTE 166 / 166A

CROSS SECTIONS

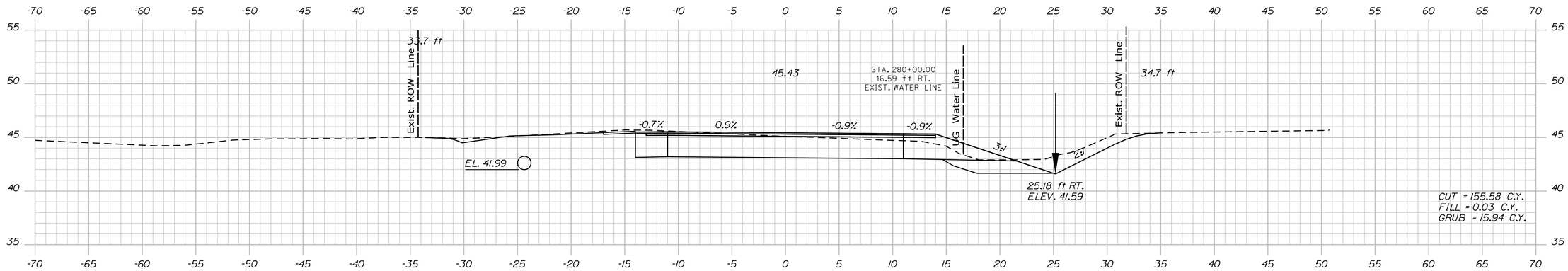
SHEET NUMBER

14

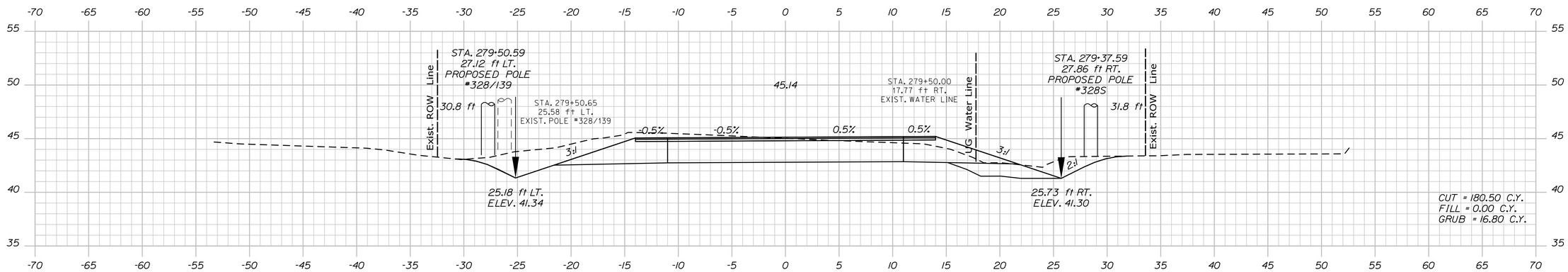
OF 26

Sta. 278+00.00 to Sta. 279+00.00

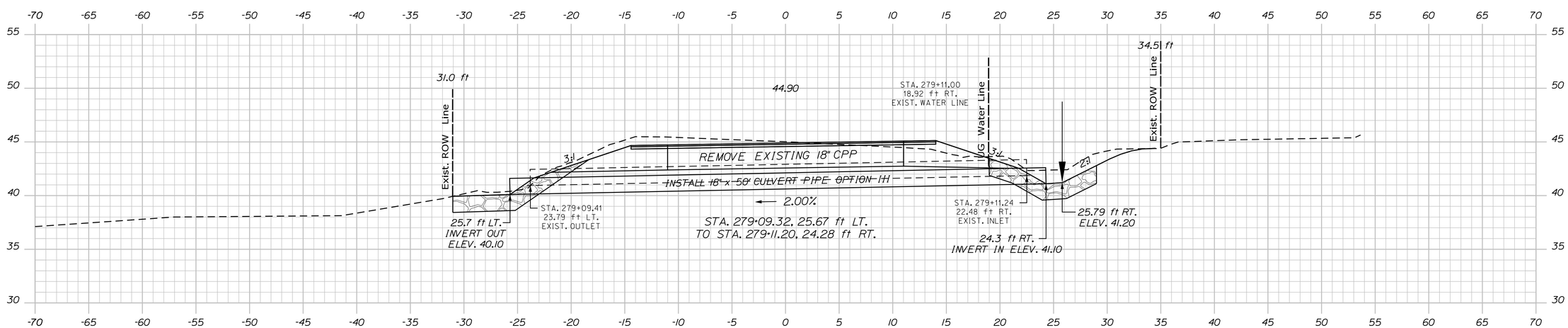
Filename: ...\MSTA\014_Xsect_278+00_007.dgn Division: HIGHWAY Username: robert.chester Date:7/29/2013



280+00.00



279+50.00



LINE STRING SECTION
279+10.29

STATE OF MAINE
DEPARTMENT OF TRANSPORTATION

STP-1825(200)X

WIN
18252.00

HIGHWAY PLANS

		BY	DATE
PROJ. MANAGER	S. DAVIS		
DESIGN-DETAILED	R. CHESTER	B. LUCAS	
CHECKED-REVIEWED	-----	-----	
DESIGN2-DETAILED2	S.HAYDEN	T.WHITE	NOV 2012
DESIGN3-DETAILED3	------	------	------
REVISIONS 1	------	------	------
REVISIONS 2	------	------	------
REVISIONS 3	------	------	------
REVISIONS 4	------	------	------
FIELD CHANGES	------	------	------

SIGNATURE

P.E. NUMBER

DATE

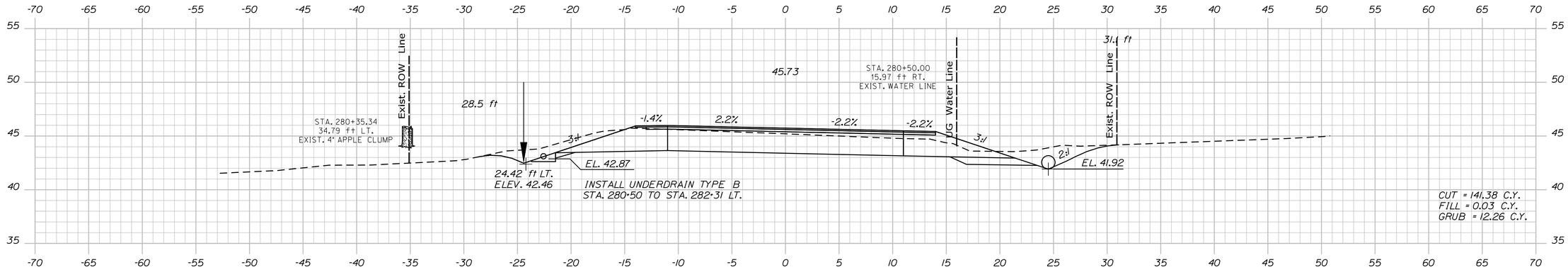
CASTINE-PENOBSCOT
ROUTE 166 / 166A

CROSS SECTIONS

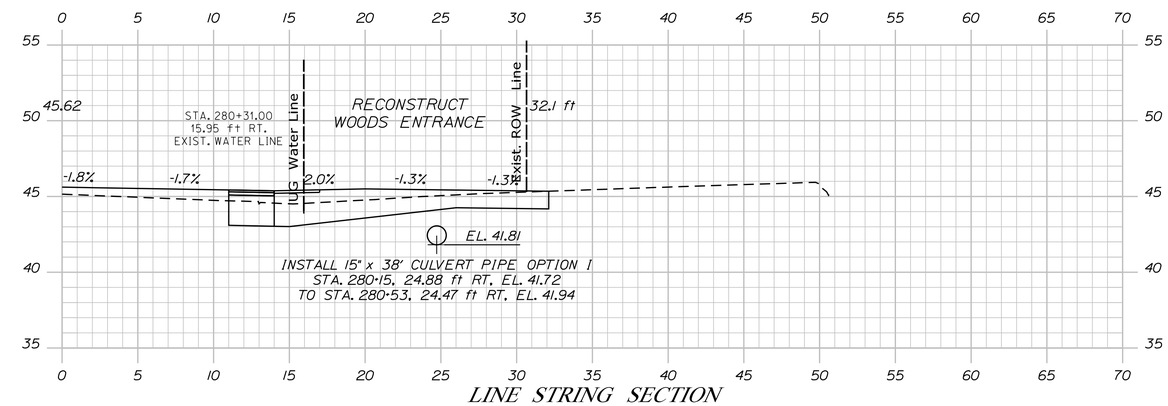
SHEET NUMBER
15
OF 26

Sta. 279+10.29 to Sta. 280+00.00

Filename: ...\MSTA\015_Xsect_279+10_008.dgn Division: HIGHWAY Username: robert.chester Date:7/29/2013

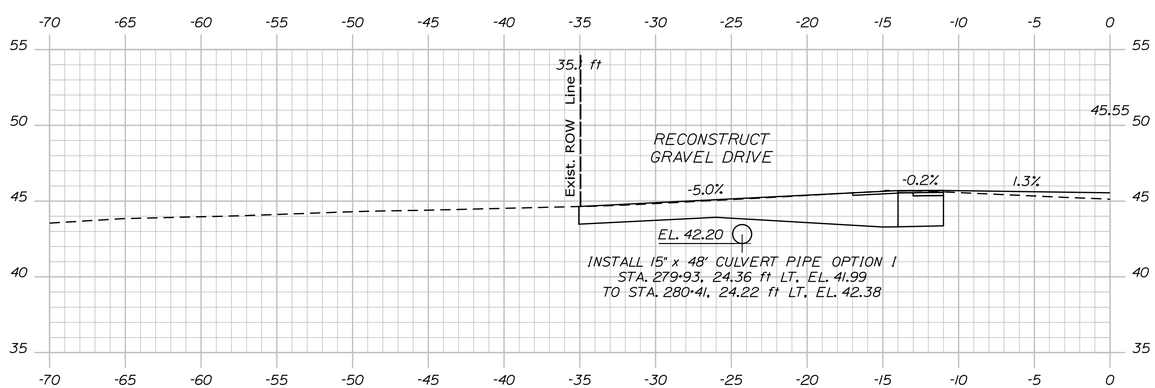


280+50.00



LINE STRING SECTION

280+31.00



LINE STRING SECTION

280+19.00

STATE OF MAINE
DEPARTMENT OF TRANSPORTATION

STP-1825(200)X

WIN
18252.00

HIGHWAY PLANS

		BY	DATE
PROJ. MANAGER	S. DAVIS		
DESIGN-DETAILED	R. CHESTER	B. LUCAS	-----
CHECKED-REVIEWED	-----	-----	-----
DESIGN2-DETAILED2	S.HAYDEN	T.WHITE	NOV 2012
DESIGN3-DETAILED3	-------	-------	-------
REVISIONS 1	-------	-------	-------
REVISIONS 2	-------	-------	-------
REVISIONS 3	-------	-------	-------
REVISIONS 4	-------	-------	-------
FIELD CHANGES	-------	-------	-------

SIGNATURE

P.E. NUMBER

DATE

CASTINE-PENOBSCOT
ROUTE 166 / 166A

CROSS SECTIONS

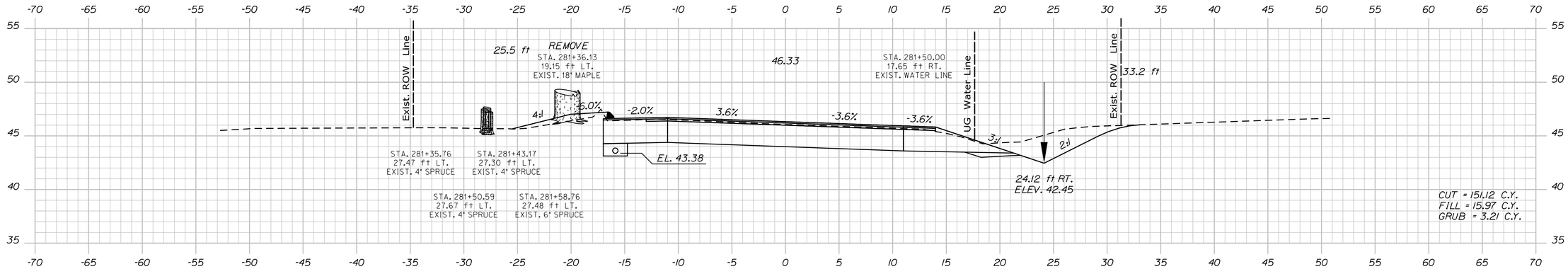
SHEET NUMBER

16

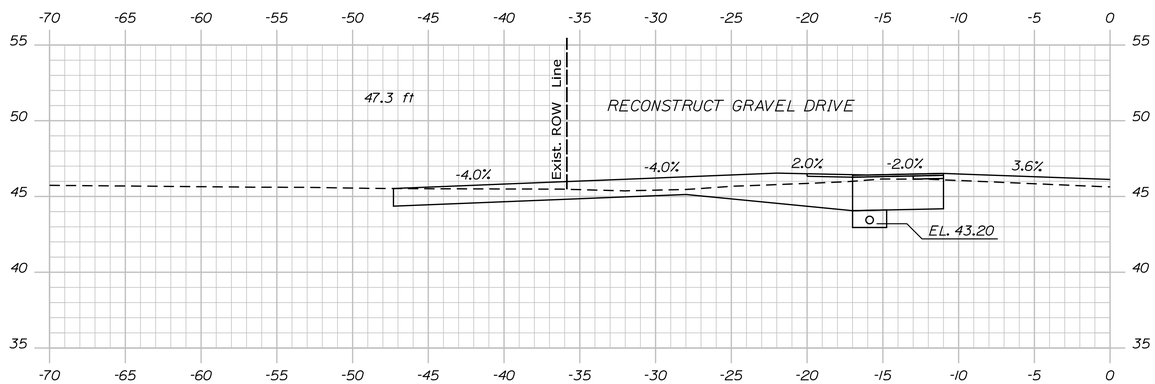
OF 26

Filename: ...\MSTA\016_Xsect_280+19_009.dgn Division: HIGHWAY Username: robert.chester Date:7/29/2013

Sta. 280+19.00 to Sta. 280+50.00

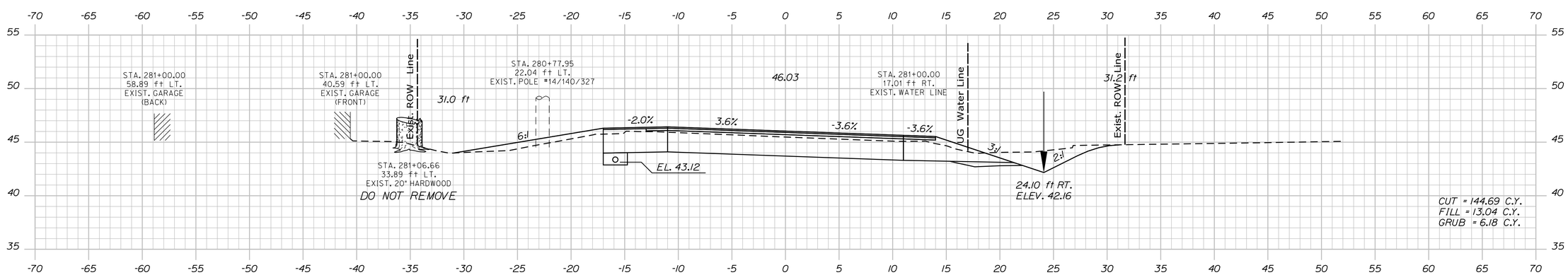


281+50.00



LINE STRING SECTION

281+15.85



281+00.00

STATE OF MAINE
DEPARTMENT OF TRANSPORTATION

STP-1825(200)X

WIN
18252.00

HIGHWAY PLANS

PROJ. MANAGER	S. DAVIS	BY	DATE
DESIGN-DETAILED	R. CHESTER	B. LUCAS	-----
CHECKED-REVIEWED	-----	-----	-----
DESIGN2-DETAILED2	S.HAYDEN	T.WHITE	NOV 2012
DESIGN3-DETAILED3	------	------	------
REVISIONS: 1	------	------	------
REVISIONS: 2	------	------	------
REVISIONS: 3	------	------	------
REVISIONS: 4	------	------	------
FIELD CHANGES	------	------	------

SIGNATURE

P.E. NUMBER

DATE

CASTINE-PENOBSCOT
ROUTE 166 / 166A

CROSS SECTIONS

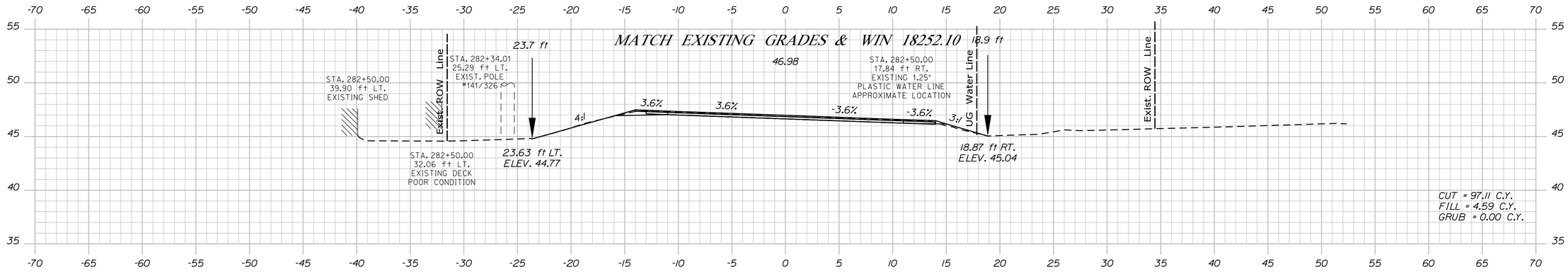
SHEET NUMBER

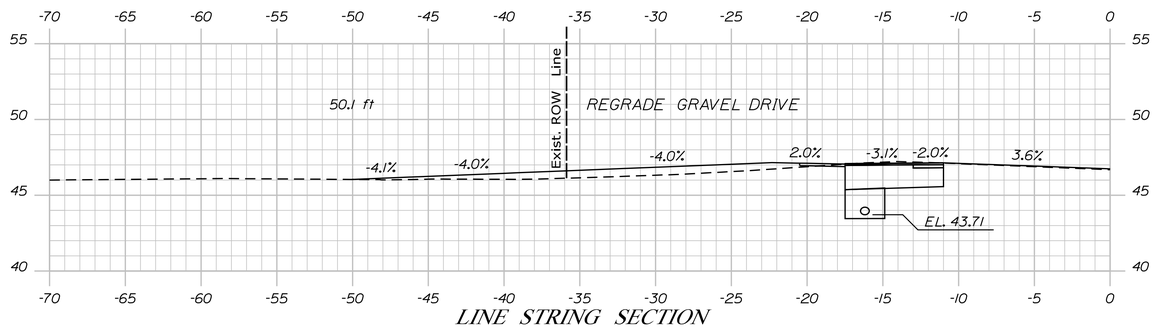
17

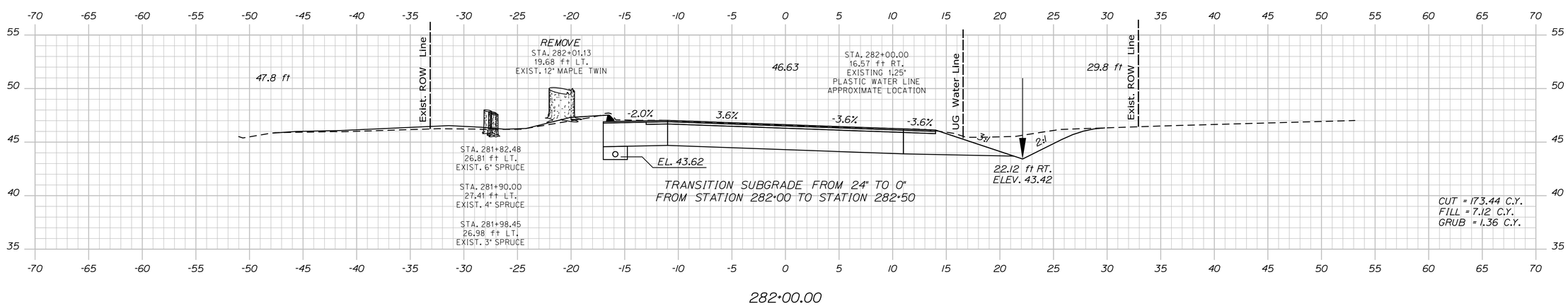
OF 26

Filename: ...\MSTA\017_Xsect_281+00_010.dgn Division: HIGHWAY Username: robert.chester Date:7/29/2013

Sta. 281+00.00 to Sta. 281+50.00







STATE OF MAINE
DEPARTMENT OF TRANSPORTATION

STP-1825(200)X

WIN
18252.00

HIGHWAY PLANS

PROJ. MANAGER	S. DAVIS	BY	DATE
DESIGN-DETAILED	R. CHESTER	B. LUCAS	
CHECKED-REVIEWED	------	------	
DESIGN2-DETAILED2	S.HAYDEN	T.WHITE	NOV 2012
DESIGN3-DETAILED3	------	------	------
REVISIONS 1	------	------	------
REVISIONS 2	------	------	------
REVISIONS 3	------	------	------
REVISIONS 4	------	------	------
FIELD CHANGES	------	------	------

SIGNATURE

P.E. NUMBER

DATE

CASTINE-PENOBSCOT
ROUTE 166 / 166A

CROSS SECTIONS

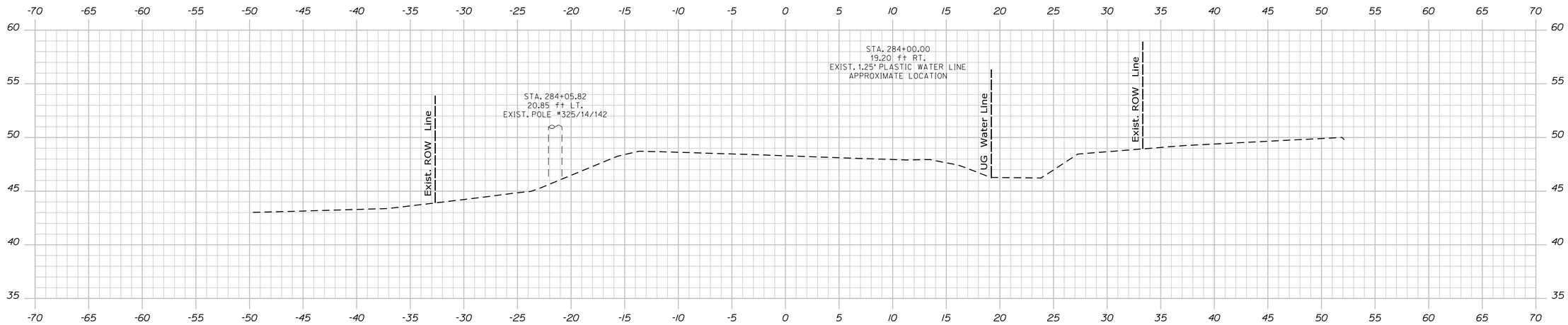
SHEET NUMBER

18

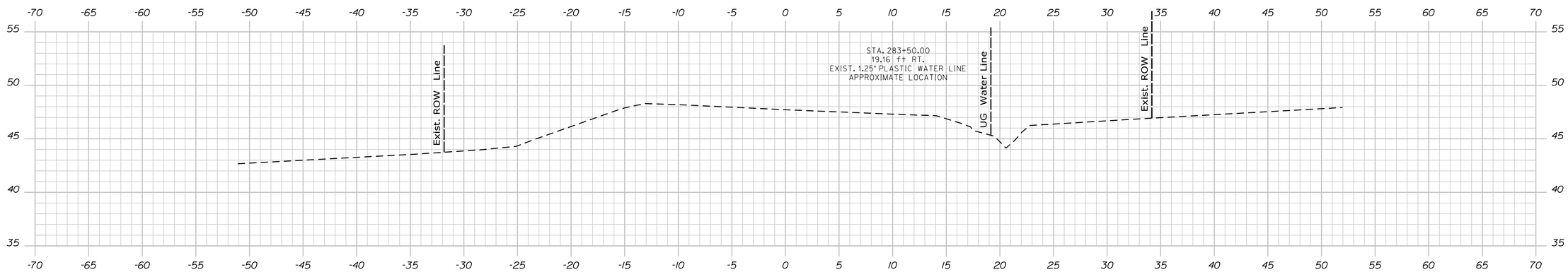
OF 26

Filename: ...\MSTA\018_Xsect_282+00_011.dgn Division: HIGHWAY Username: robert.chester Date:7/29/2013

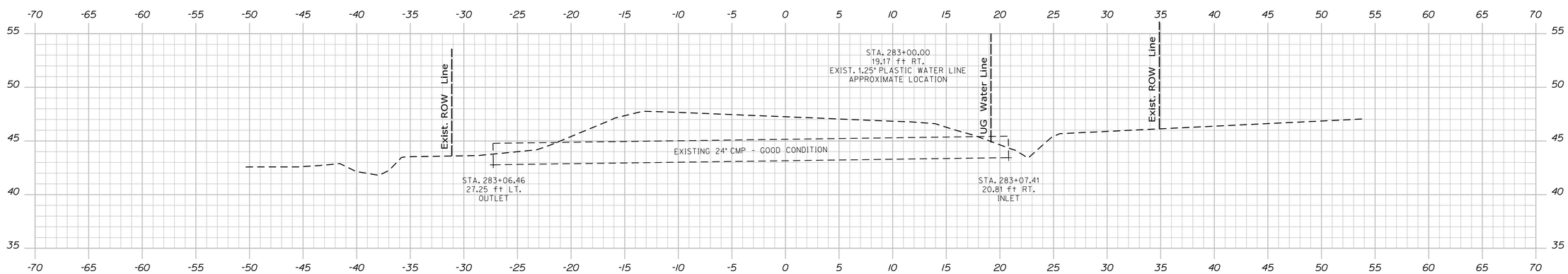
Sta. 282+00.00 to Sta. 282+50.00



284+00.00



283+50.00



283+00.00

STATE OF MAINE
DEPARTMENT OF TRANSPORTATION

STP-1825(200)X

WIN
18252.00

HIGHWAY PLANS

PROJ. MANAGER	S. DAVIS	BY	DATE
DESIGN-DETAILED	R. CHESTER	B. LUCAS	
CHECKED-REVIEWED	-----	-----	
DESIGN2-DETAILED2	S.HAYDEN	T.WHITE	NOV 2012
DESIGN3-DETAILED3	------	------	------
REVISIONS 1	------	------	------
REVISIONS 2	------	------	------
REVISIONS 3	------	------	------
REVISIONS 4	------	------	------
FIELD CHANGES	------	------	------

SIGNATURE

P.E. NUMBER

DATE

CASTINE-PENOBSCOT
ROUTE 166 / 166A

CROSS SECTIONS

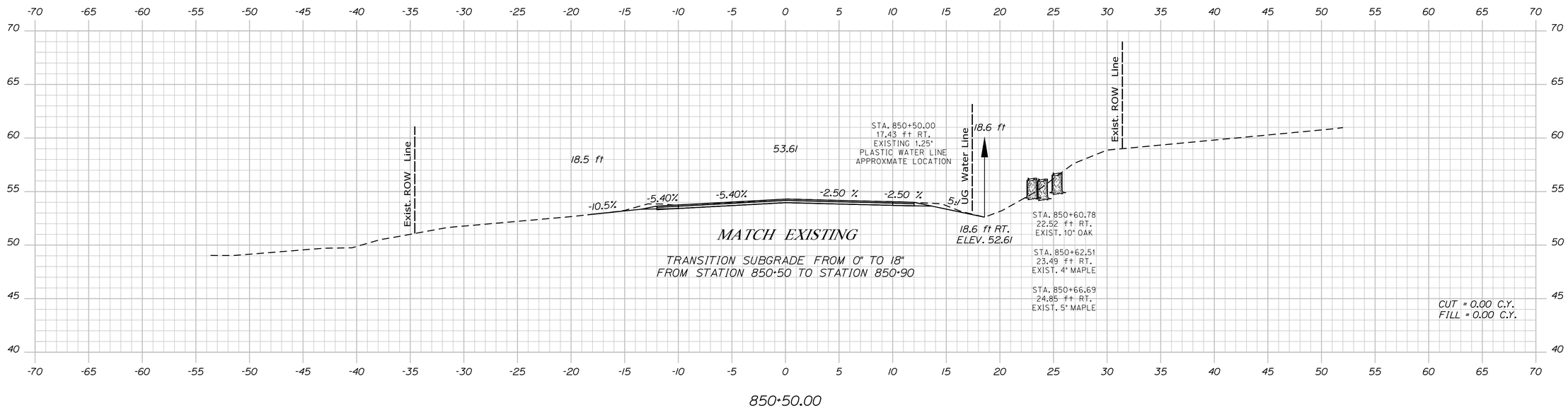
SHEET NUMBER

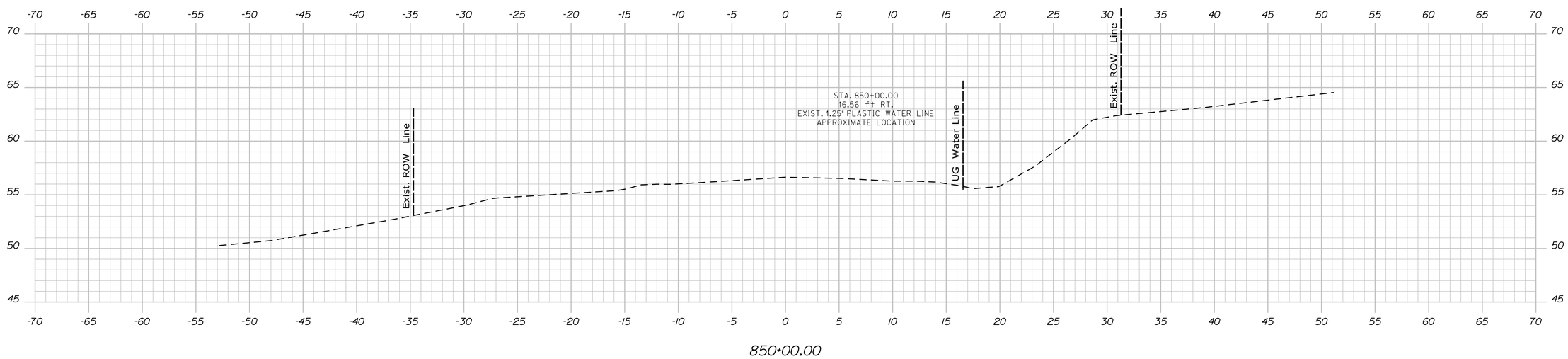
19

OF 26

Filename: ...\MSTA\019_Xsect_283+00_012.dgn Division: HIGHWAY Username: robert.chester Date:7/29/2013

Sta. 283+00.00 to Sta. 284+00.00





Filename: ...\MSTA\020_Xsect_850+00_013.dgn Division: HIGHWAY Username: robert.chester Date:7/29/2013

STATE OF MAINE
DEPARTMENT OF TRANSPORTATION

STP-1825(200)X

WIN
18252.00

HIGHWAY PLANS

		BY	DATE
PROJ. MANAGER	S. DAVIS		
DESIGN-DETAILED	R. CHESTER	B. LUCAS	-----
CHECKED-REVIEWED	-----	-----	-----
DESIGN2-DETAILED2	S.HAYDEN	T. WHITE	NOV 2012
DESIGN3-DETAILED3	-----	-----	-----
REVISIONS 1	-----	-----	-----
REVISIONS 2	-----	-----	-----
REVISIONS 3	-----	-----	-----
REVISIONS 4	-----	-----	-----
FIELD CHANGES	-----	-----	-----

SIGNATURE

P.E. NUMBER

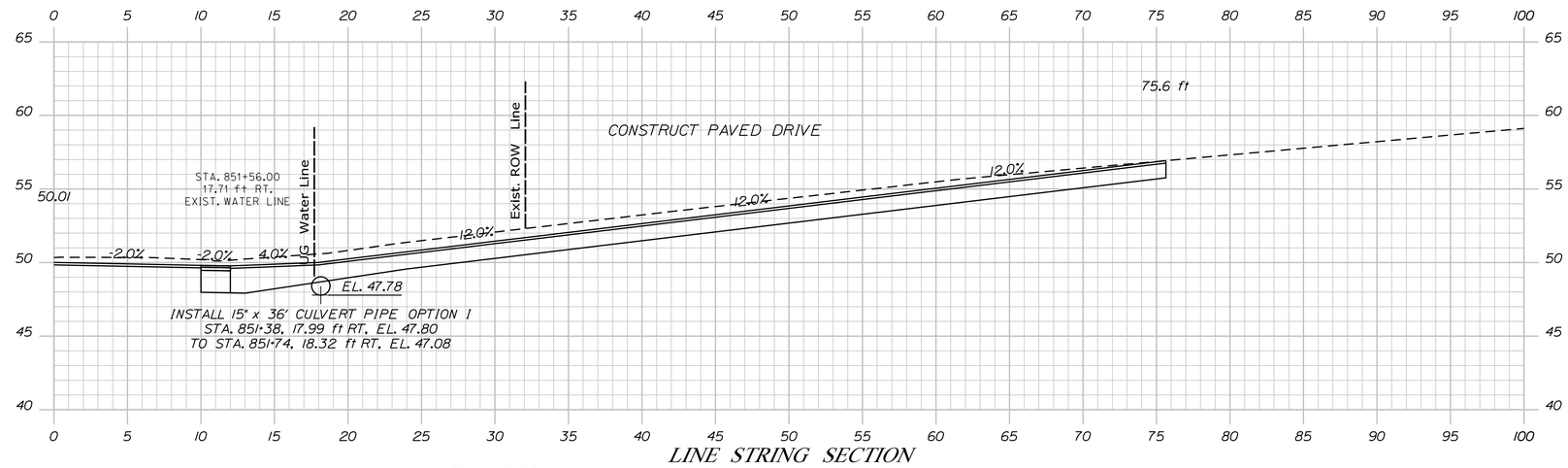
DATE

CASTINE-PENOBSCOT
ROUTE 166 / 166A

CROSS SECTIONS

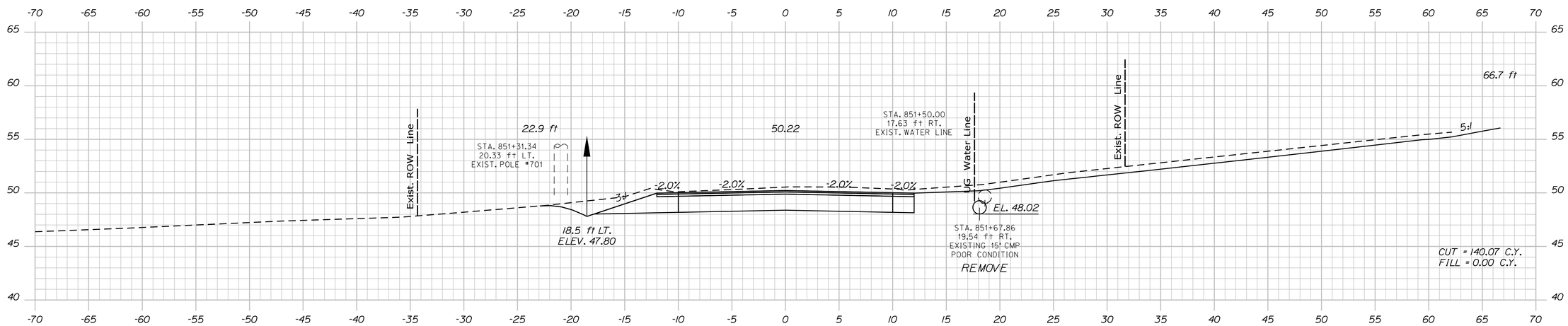
SHEET NUMBER
20
OF 26

Sta. 850+00.00 to Sta. 850+50.00

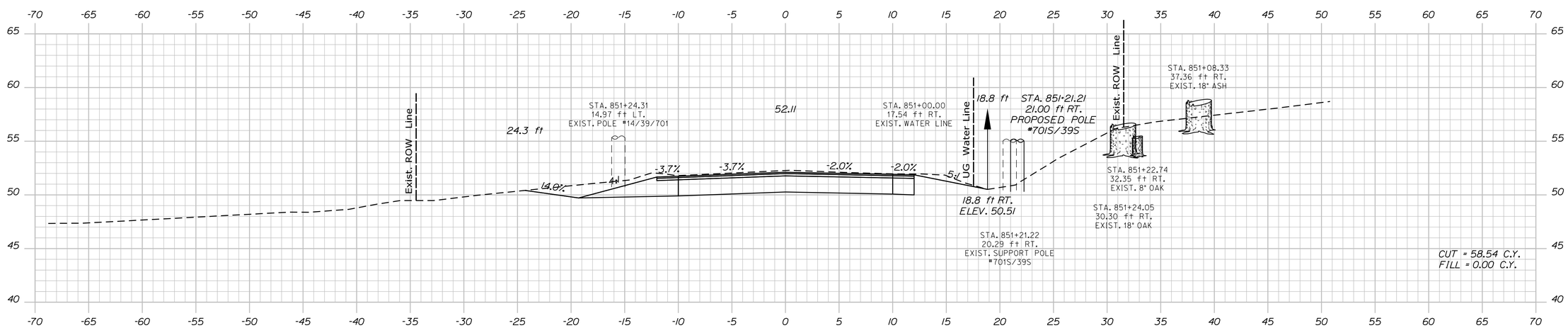


LINE STRING SECTION

851+56.00



851+50.00



851+00.00

STATE OF MAINE
DEPARTMENT OF TRANSPORTATION

STP-1825(200)X

WIN 18252.00

HIGHWAY PLANS

PROJ. MANAGER	S. DAVIS	BY	DATE
DESIGN-DETAILED	R. CHESTER	B. LUCAS	
CHECKED-REVIEWED	-----	-----	SIGNATURE
DESIGN2-DETAILED2	S.HAYDEN	T.WHITE	NOV 2012
DESIGN3-DETAILED3	------	------	P.E. NUMBER
REVISIONS 1	------	------	------
REVISIONS 2	------	------	------
REVISIONS 3	------	------	DATE
REVISIONS 4	------	------	------
FIELD CHANGES	------	------	------

CASTINE-PENOBSCOT
ROUTE 166 / 166A

CROSS SECTIONS

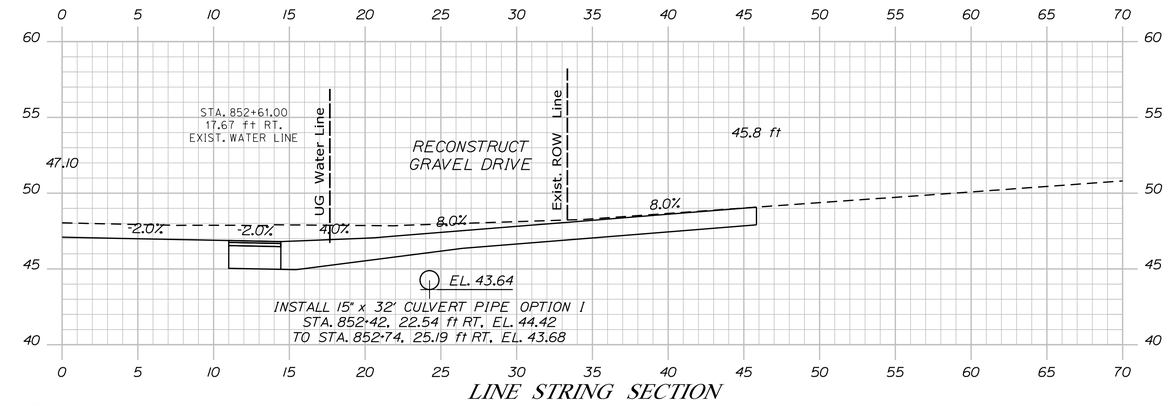
SHEET NUMBER

21

OF 26

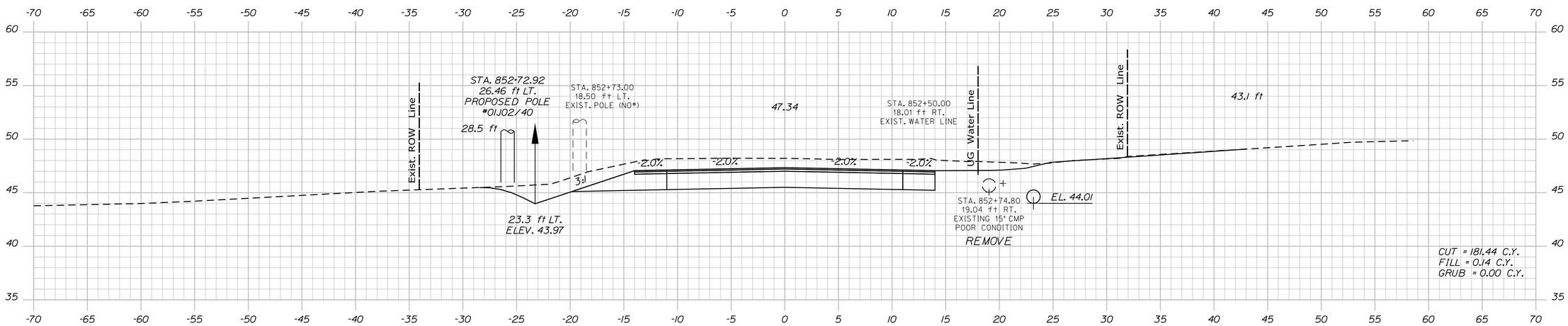
Sta. 851+00.00 to Sta. 851+56.00

Filename: ...\MSTA\021_Xsect_851+00_014.dgn Division: HIGHWAY Username: robert.chester Date:7/29/2013

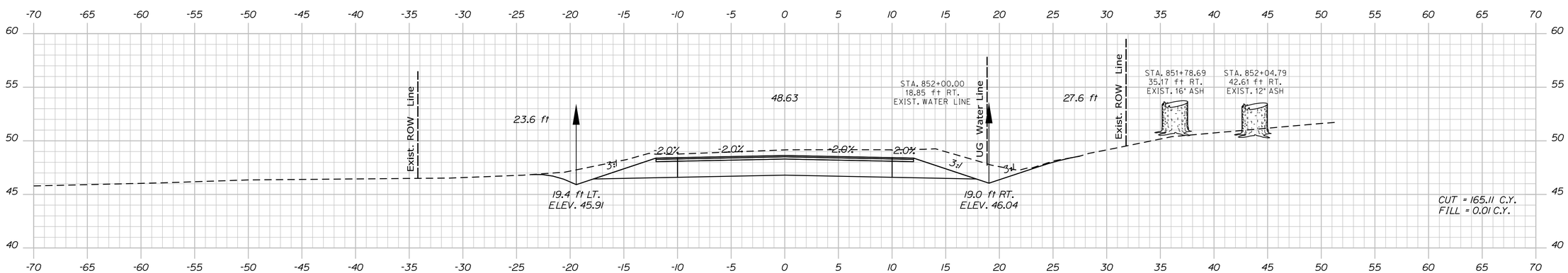


LINE STRING SECTION

852+61.00



852+50.00



852+00.00

STATE OF MAINE
DEPARTMENT OF TRANSPORTATION

STP-1825(200)X

WIN
18252.00

HIGHWAY PLANS

PROJ. MANAGER	S. DAVIS	BY	DATE
DESIGN-DETAILED	R. CHESTER	B. LUCAS	----
CHECKED-REVIEWED	----	----	----
DESIGN2-DETAILED2	S.HAYDEN	T.WHITE	NOV 2012
DESIGN3-DETAILED3	----	----	----
REVISIONS 1	----	----	----
REVISIONS 2	----	----	----
REVISIONS 3	----	----	----
REVISIONS 4	----	----	----
FIELD CHANGES	----	----	----

SIGNATURE

P.E. NUMBER

DATE

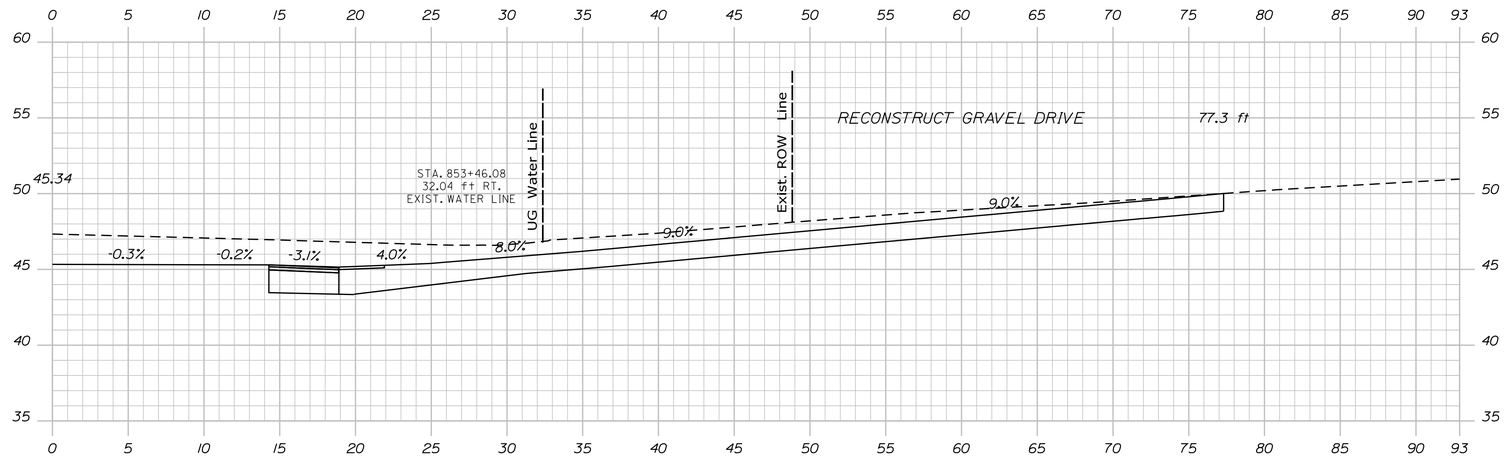
CASTINE-PENOBSCOT
ROUTE 166 / 166A

CROSS SECTIONS

SHEET NUMBER
22
OF 26

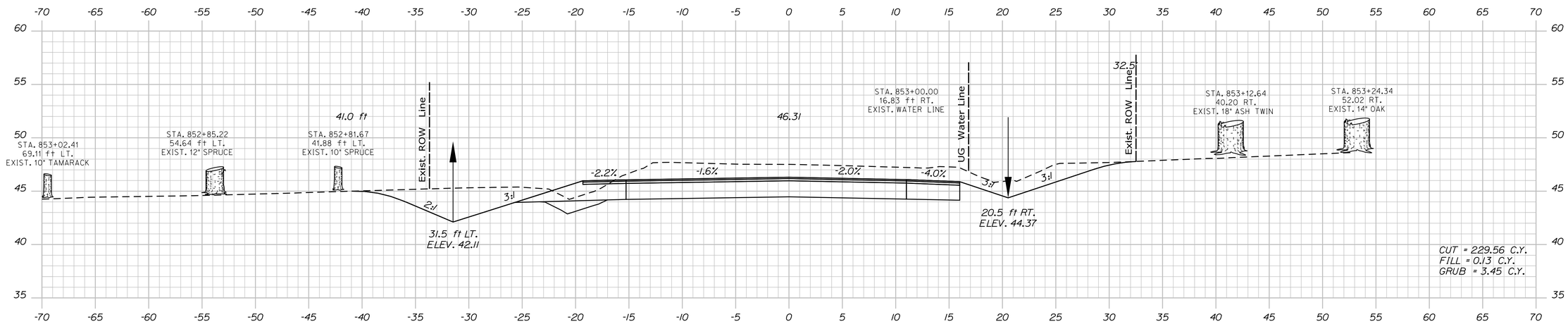
Sta. 852+00.00 to Sta. 852+61.00

Filename: ...\MSTA\022_Xsect_852+00_015.dgn Division: HIGHWAY Username: robert.chester Date:7/29/2013



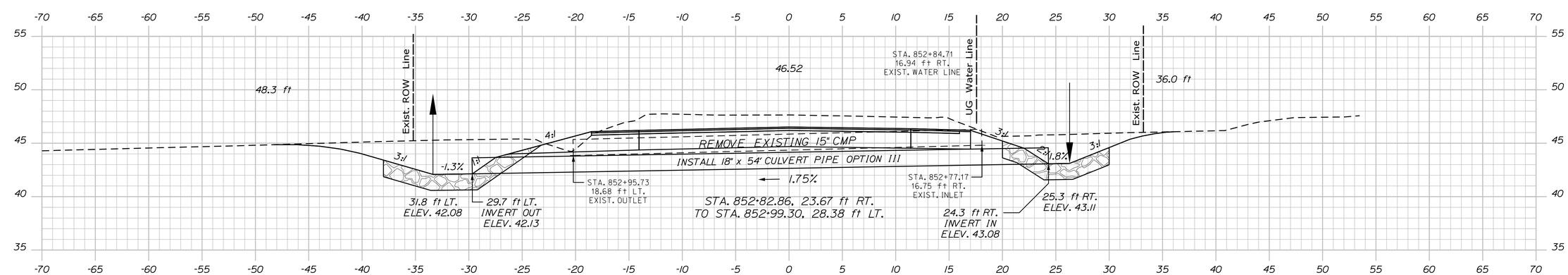
LINE STRING SECTION

853+48.51



G = 3.73 sq. ft.

853+00.00



SKEWED SECTION

852+89.39

STATE OF MAINE
DEPARTMENT OF TRANSPORTATION

STP-1825(200)X

WIN
18252.00

HIGHWAY PLANS

		BY	DATE
PROJ. MANAGER	S. DAVIS		
DESIGN-DETAILED	R. CHESTER	B. LUCAS	
CHECKED-REVIEWED	-----	-----	
DESIGN2-DETAILED2	S.HAYDEN	T.WHITE	NOV 2012
DESIGN3-DETAILED3	-----	-----	-----
REVISIONS 1	-----	-----	-----
REVISIONS 2	-----	-----	-----
REVISIONS 3	-----	-----	-----
REVISIONS 4	-----	-----	-----
FIELD CHANGES	-----	-----	-----

SIGNATURE

P.E. NUMBER

DATE

CASTINE-PENOBSCOT
ROUTE 166 / 166A

CROSS SECTIONS

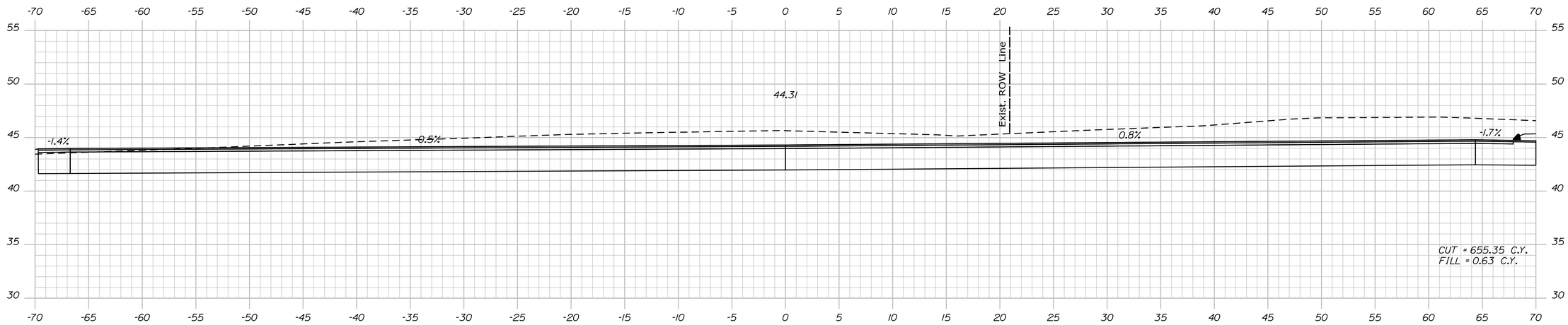
SHEET NUMBER

23

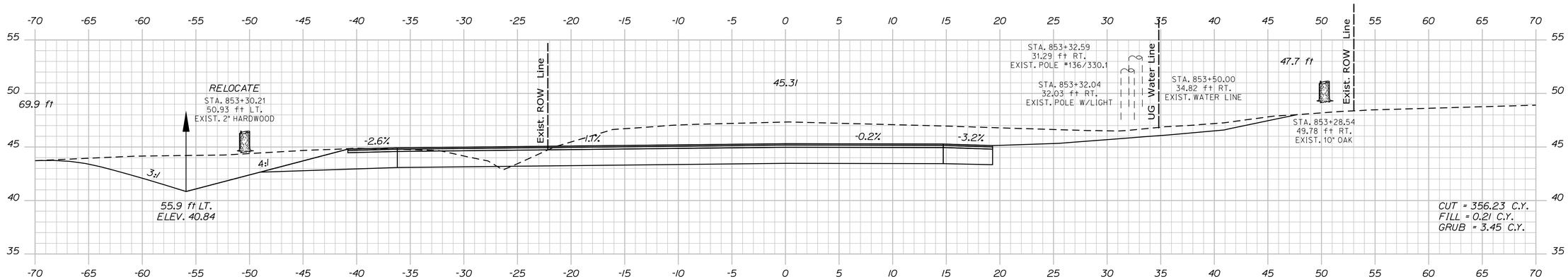
OF 26

Filename: ...\MSTA\023_Xsect_852+85_016.dgn Division: HIGHWAY Username: robert.chester Date:7/29/2013

Sta. 852+85.61 to Sta. 853+48.51



854+00.00



853+50.00

STATE OF MAINE
DEPARTMENT OF TRANSPORTATION

STP-1825(200)X

WIN
18252.00

HIGHWAY PLANS

PROJ. MANAGER	S. DAVIS	BY	DATE
DESIGN-DETAILED	R. CHESTER	B. LUCAS	----
CHECKED-REVIEWED	----	----	----
DESIGN2-DETAILED2	S.HAYDEN	T.WHITE	NOV 2012
DESIGN3-DETAILED3	----	----	----
REVISIONS 1	----	----	----
REVISIONS 2	----	----	----
REVISIONS 3	----	----	----
REVISIONS 4	----	----	----
FIELD CHANGES	----	----	----

SIGNATURE

P.E. NUMBER

DATE

CASTINE-PENOBSCOT
ROUTE 166 / 166A

CROSS SECTIONS

SHEET NUMBER

24

OF 26

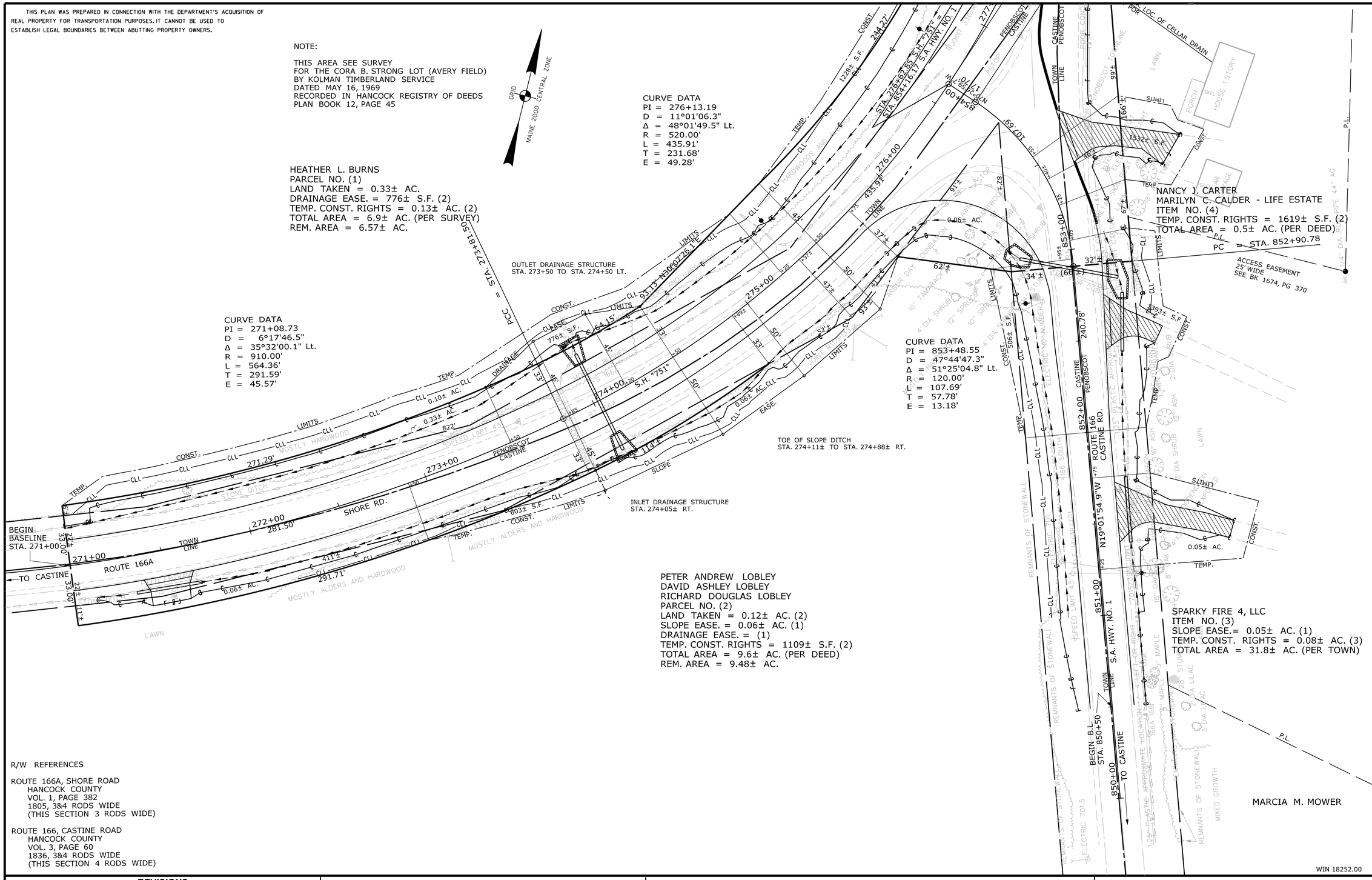
Sta. 853+50.00 to Sta. 854+00.00

Filename: ...\MSTA\024_Xsect_853-50_017.dgn Division: HIGHWAY Username: robert.chester Date:7/29/2013

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

NOTE:

THIS AREA SEE SURVEY
FOR THE CORA B. STRONG LOT (AVERY FIELD)
BY KOLMAN TIMBERLAND SERVICE
DATED MAY 16, 1969
RECORDED IN HANCOCK REGISTRY OF DEEDS
PLAN BOOK 12, PAGE 45



R/W REFERENCES

ROUTE 166A, SHORE ROAD
HANCOCK COUNTY
VOL. 1, PAGE 382
1805, 3&4 RODS WIDE
(THIS SECTION 3 RODS WIDE)

ROUTE 166, CASTINE ROAD
HANCOCK COUNTY
VOL. 3, PAGE 60
1836, 3&4 RODS WIDE
(THIS SECTION 4 RODS WIDE)

WIN 18252.00

SYMBOLS

- IP or ● IPF (IRON PIPE or PIN FOUND)
- ☐ S.T. (SEPTIC TANK)
- ⊡ (ROW MONUMENT)
- ⊠ (TRAVERSE POINT)
- WATER LINE
- GAS LINE
- ELECTRIC LINE
- TELEPHONE LINE
- SEWER LINE
- WELL (WELL)
- GRADING LIMIT LINE
- CONSTRUCTION LIMIT LINE
- PROPERTY LINE
- LIMITS OF WROUGHT PORTION (L.O.W.P.)
- EXISTING RIGHT OF WAY
- NEW RIGHT OF WAY
- NEW ROW WITHIN EXIST. ROW
- CONTROL OF ACCESS

ITEM	TECH	CHECKED
BASE MAP		
EXIST. R/W	BMD\BDM	
PROP. LINES	BMD	
AREAS	BDM	

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

REVISIONS			
NO.	DATE	DESCRIPTION	BY

PLAN FILED IN PLAN BOOK PAGE COUNTY RECORD

NO.	GRANTOR	INSTRUMENT	DATE	BOOK	PAGE
		COND.	7/22/13	6075	274

DAVID BERNHARDT
COMMISSIONER
KENNETH L. SWEENEY
CHIEF ENGINEER
DATE

STATE OF MAINE
PETER A. BELANGER
1341
PROFESSIONAL LAND SURVEYOR

STATE AID HWY. NO. 1/STATE HWY. "255"/STATE HWY. "751"
ROUTE 166/166A CASTINE ROAD/SHORE ROAD
CASTINE/PENOBSCOT HANCOCK COUNTY
FEDERAL AID PROJECT NO. STP-1825(200)X

MARCH 2013 | RIGHT-OF-WAY MAP | D.O.T. FILE NO. 5-294
SCALE 1" = 25' | SHEET 1 OF 2

SHEET NUMBER
25
OF 26

Filename: ...\00\ROW\MSTA\001_RWPLAN1.dgn Division: HIGHWAY Username: robert.chester Date:7/29/2013

NOTE:

THIS AREA SEE SURVEY
FOR THE CORA B. STRONG LOT (AVERY FIELD)
BY KOLMAN TIMBERLAND SERVICE
DATED MAY 16, 1969
RECORDED IN HANCOCK REGISTRY OF DEEDS
BOOK 1087, PAGE 566

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

GRID
MAINE 2000 CENTRAL ZONE

CURVE DATA
PI = 276+13.19
D = 11°01'06.3"
Δ = 48°01'49.5" Lt.
R = 520.00'
L = 435.91'
T = 231.68'
E = 49.28'

HEATHER L. BURNS
PARCEL NO. (1)
LAND TAKEN = 0.33± AC.
DRAINAGE EASE. = 776± S.F. (2)
TEMP. CONST. RIGHTS = 0.13± AC. (2)
TOTAL AREA = 6.9± AC. (PER SURVEY)
REM. AREA = 6.57± AC.

NANCY J. WITTING
CHARLES A. MEYER
PARCEL NO. (5)
LAND TAKEN = 499± S.F.
TEMP. CONST. RIGHTS = 296± S.F. (1)
TOTAL AREA = 1.6± AC. (PER DEED)
REM. AREA = 1.59± AC.

JOHN C. LALLY
CAROL A. LALLY
ITEM NO. (6)
TEMP. CONST. RIGHTS = 0.05± AC. (2)
TOTAL AREA = 2.4± AC. (PER OWNER)

ROBERT S. FAIRWEATHER, JR.

DRAINAGE OUTLET
STA. 279+02 LT.

EASEMENT TO CENTRAL
MAINE POWER CO.
UNSPECIFIED LOCATION
SEE BK 1748, PG 91

TEMP. CONST.
LIMITS

PT = STA. 278+17.41

STA. 276+62.85 S.H. "751" =
STA. 854+16.17 S.A. HWY. NO. 1

POE = STA. 854+16.17

PC = STA. 280+38.02

PC = STA. 852+90.78

N2°31'08.4"E

ROUTE 166

S.H. "255"
ROUTE 166
CASTINE RD.

S.A. HWY. NO. 1
ROUTE 166
CASTINE RD.

ROUTE 166A
SHORE RD.

CASTINE RD.

END BASELINE
STA. 283+00

TO ORLAND

SEPTIC SYSTEM EASEMENT
GRANTED TO NANCY CARTER
REFERENCE:
HANCOCK REGISTRY OF DEEDS
BOOK 6034, PAGE 164

NANCY J. CARTER
MARY C. CALDER - LIFE ESTATE
ITEM NO. (4)
TEMP. CONST. RIGHTS = 1619± S.F. (2)
TOTAL AREA = 0.5± AC. (PER DEED)

ACCESS EASEMENT
25' WIDE
SEE BK 1674, PG 370

CARLTON W. ELLMS, III
SALLY D. ELLMS
ITEM NO. (7)
SLOPE EASE.= 1571± S.F. (1)
TOTAL AREA = 5.9± AC. (PER TOWN)

LESLIE JANE DEVEREUX

CURVE DATA
PI = 282+17.69
D = 2°36'15.7"
Δ = 9°20'15.3" Rt.
R = 2200.00'
L = 358.54'
T = 179.67'
E = 7.32'

SPARKY FIRE 4, LLC
ITEM NO. (3)
SLOPE EASE.= 0.05± AC. (1)
TEMP. CONST. RIGHTS = 0.08± AC. (3)
TOTAL AREA = 31.8± AC. (PER TOWN)

R/W REFERENCES

ROUTE 166A, SHORE ROAD
HANCOCK COUNTY
VOL. 1, PAGE 382
1805, 3&4 RODS WIDE
(THIS SECTION 3 RODS WIDE)

ROUTE 166, CASTINE ROAD
HANCOCK COUNTY
VOL. 3, PAGE 60
1836, 3&4 RODS WIDE
(THIS SECTION 4 RODS WIDE)

WIN 18252.00

SYMBOLS
WELL (WELL)
TELL
GRADING LIMIT LINE
CONSTRUCTION LIMIT LINE
PROPERTY LINE
LIMITS OF PROPERTY PORTION (LOVP)
EXISTING RIGHT OF WAY
NEW RIGHT OF WAY
NEW ROW WITHIN EXIST. ROW
CONTROL OF ACCESS
IP or IPF (IRON PIPE or PIN FOUND)
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	BMD\BDM	
PROP. LINES	BMD	
AREAS	BDM	

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

REVISIONS

NO.	DATE	DESCRIPTION	BY

PLAN FILED IN PLAN BOOK PAGE COUNTY RECORD

NO.	GRANTOR	INSTRUMENT	DATE	BOOK	PAGE
		COND.	7/22/13	6075	274

DAVID BERNHARDT
COMMISSIONER
KENNETH L. SWEENEY
CHIEF ENGINEER
DATE

STATE OF MAINE
PETER A. BELANGER
1341
PROFESSIONAL LAND SURVEYOR

STATE AID HWY. NO. 1/STATE HWY. "255"/STATE HWY. "751"
ROUTE 166/166A CASTINE ROAD/SHORE ROAD
CASTINE/PENOBSCOT HANCOCK COUNTY
FEDERAL AID PROJECT NO. STP-1825(200)X

MARCH 2013 | RIGHT-OF-WAY MAP | D.O.T. FILE NO. 5-294
SCALE 1" = 25' | SHEET 2 OF 2

SHEET NUMBER
26
OF 26

Filename: ...\00\ROW\MSTA\002_RWPLAN2.dgn Division: HIGHWAY Username: robert.chester Date:8/6/2013