STATE OF MAINE
DEPARTMENT OF TRANSPORTATION

TMSI

PLAN LEGEND

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

BIDDEFORD

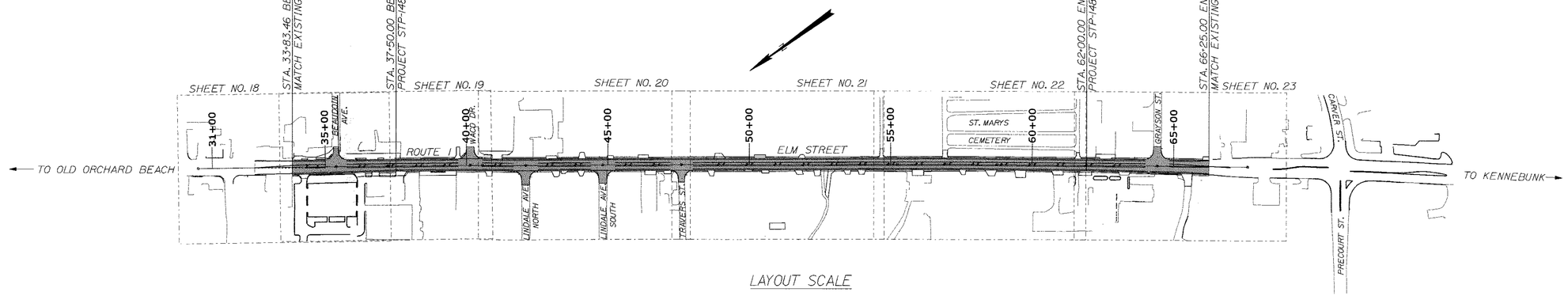
YORK COUNTY

ROUTE 1

STP-1481(400)X

PROJECT LENGTH : 0.464 MILES

HIGHWAY RECONSTRUCTION



LAYOUT SCALE

200 0 200 400

Scale in Feet

INDEX OF SHEETS

Description	Sheet No.
Title Sheet	1
Typical Sections	2
Estimated Quantities	3
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Right of Way Map	97-103

TRAFFIC DATA

Current (2012) AADT	13390
Future (2032) AADT	16070
DHV - % of AADT	11%
Design Hour Volume	1767
% Heavy Trucks (AADT)	4%
% Heavy Trucks (DHV)	2%
Directional Distribution (DHV)	60%
18 kip Equivalent P 2.0	245
18 kip Equivalent P 2.5	234
Design Speed (mph)	35
Functional Class:	Minor Arterial

PROJECT LOCATION:	IN THE CITY OF BIDDEFORD BEGINNING APPROXIMATELY 0.03 MILE NORTH OF BEAUDOIN AVENUE AND ENDING APPROXIMATELY 0.07 MILE SOUTH OF GRAYSON STREET.
PROGRAM AREA:	PORTLAND AREA COMPREHENSIVE TRANSPORTATION SYSTEM (PACTS).
SCOPE OF WORK:	URBAN FULL CONSTRUCTION WITH DRAINAGE AND PEDESTRIAN MOBILITY IMPROVEMENTS.

WIN 14814.00 STP-1481(400)X

STATE OF MAINE
DEPARTMENT OF TRANSPORTATION

APPROVED — DATE 6/18/12

COMMISSIONER:

CHIEF ENGINEER:

STATE OF MAINE — ALBERT L. GODFREY — No. 4226 — LICENSED PROFESSIONAL ENGINEER

SIGNATURE

P.E. NUMBER 4226

DATE 5/24/2012

PROJECT INFORMATION

PROGRAM	HIGHWAY
PROJECT MANAGER	ERNEST MARTIN
DESIGNER	RCL/ALG
CONSULTANT	TMSI
PROJECT RESIDENT	
CONTRACTOR	
PROJECT COMPLETION DATE	

BIDDEFORD
ROUTE 1

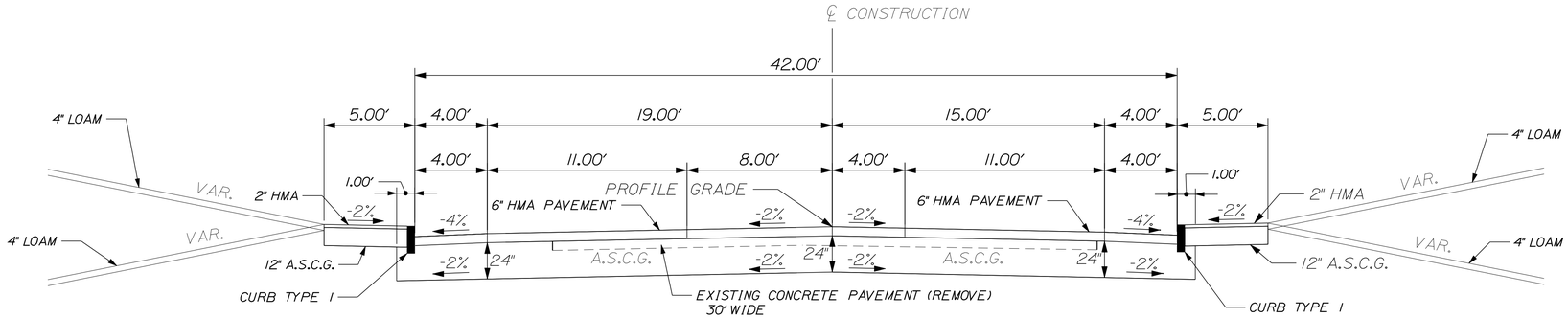
TITLE SHEET

SHEET NUMBER

1

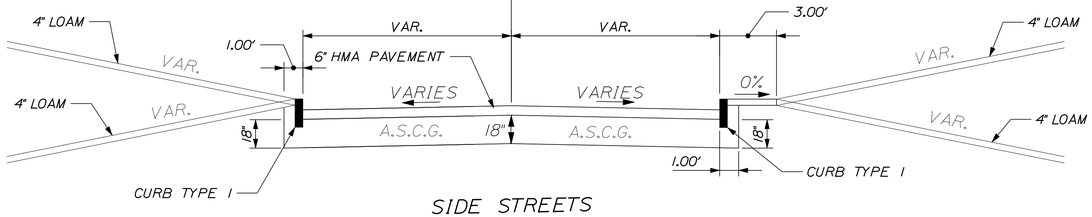
OF 102

Filename: ...\00\HIGHWAY\MSTA\001_Title.dgn Division: HIGHWAY Username: jeason Date:6/4/2012

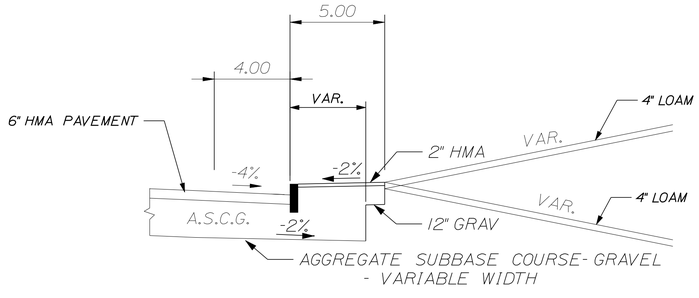


AGGREGATE SUBBASE COURSE - GRAVEL				
LEFT SIDEWALK 16.96 CY/100 LF	LEFT SHOULDER 35.26 CY/100 LF	34 FEET TRAVEL LANES 251.93 CY/100 LF	RIGHT SHOULDER 35.26 CY/100 LF	RIGHT SIDEWALK 16.96 CY/100 LF
STATION TO STATION	STATION TO STATION	STATION TO STATION	STATION TO STATION	STATION TO STATION
33+83.46 TO 66+25.00	33+83.46 TO 66+25.00	37+50.00 TO 62+00.00	33+83.46 TO 66+25.00	33+83.46 TO 66+25.00

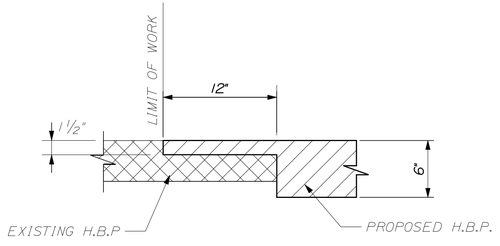
MAIN LINE



SIDE STREETS



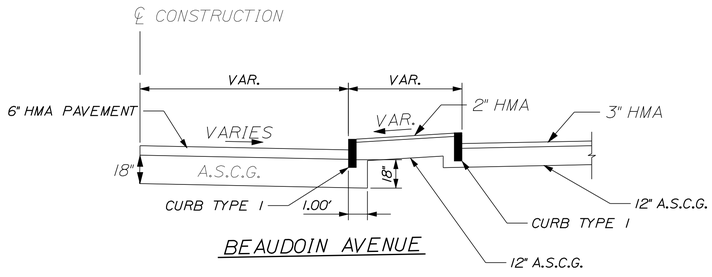
SUBBASE WIDENING AREAS



BUTTED JOINT DETAIL

NTS

CONSTRUCT AT EACH PAVEMENT MATCHING LOCATION ON MAIN LINE AND SIDE STREETS



BEAUDOIN AVENUE

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 ALGEBRAIC DIFFERENCE BETWEEN THE SHOULDER AND TRAVELWAY CROSS SLOPES "ROLLOVER" SHALL NOT EXCEED 8%
5. THE STATIONING SHOWN UNDER EACH TYPICAL IS APPROXIMATE.
6. SIDE STREETS SHALL BE CONSTRUCTED WITH 6" HMA AND 18" ASCG.
7. HMA = HOT MIX ASPHALT
   A.S.C.G. = AGGREGATE SUBBASE COURSE GRAVEL

NOT TO SCALE

STATE OF MAINE
DEPARTMENT OF TRANSPORTATION

STP-1481(400)X

WIN 14814.00

HIGHWAY PLANS

PROJ. MANAGER ERNEST MARTIN	BY	DATE
DESIGN-DETAILED	ALG/RCL	RCL	5-12
CHECKED-REVIEWED	ALG		5-12
DESIGN2-DETAILED2			
DESIGN3-DETAILED3			
REVISIONS 1			
REVISIONS 2			
REVISIONS 3			
REVISIONS 4			
FIELD CHANGES			

SIGNATURE

4226
P.E. NUMBER

5/23/12
DATE

BIDDEFORD
ROUTE 1

TYPICAL SECTIONS

SHEET NUMBER

2

OF 102

Filename: ...\MSTA\002_TypicaL_001.dgn Username: jeason Division: HIGHWAY Date:6/4/2012

Filename: ...\HIGHWAY\MSTA\003_Estimate.dgn Username: jeason Date:6/18/2012 Division: HIGHWAY

ESTIMATED QUANTITIES

	ITEM NO.	DESCRIPTION	QUANTITY	UNIT
	201.23	REMOVING SINGLE TREE TOP ONLY	18	EA
	201.24	REMOVING STUMP	18	EA
	202.11	REM PORT CEM CONC PAVEMENT	10,850	SY
	202.15	REM MANHOLE OR CATCH BASIN	14	EA
	202.202	REMOVING PAVEMENT SURFACE	28	SY
	203.20	COMMON EXCAVATION	19,200	CY
*	203.25	GRANULAR BORROW	50	CY
	206.061	STRUCT EARTH EXC-DRAIN & MINOR STRUCT-BELOW GRADE	50	CY
	304.10	AGGREGATE SUBBASE COURSE- GRAVEL	14,000	CY
	403.208	HOT MIX ASPHALT. 12.5mm SURFACE	1,370	TON
	403.209	HOT MIX ASPHALT. 9.5mm (SW. DRIVES. INCIDENTALS)	750	TON
	403.213	HOT MIX ASPHALT. 12.5mm BASE	4,100	TON
	409.15	BITUMINOUS TACK COAT - APPLIED	1,200	GAL
	411.09	UNTREATED AGGREGATE SURFACE COURSE	20	CY
	603.159	12" CULVERT PIPE. OPTION III	130	LF
	603.16	15" CULVERT PIPE. OPTION I	28	LF
	603.169	15" CULVERT PIPE OPTION III	96	LF
	603.175	18" RCP CLASS III	94	LF
	603.179	18" CULVERT PIPE OPTION III	132	LF
	603.195	24" RCP CLASS III	48	LF
	604.072	CATCH BASIN TYPE AI-C	4	EA
	604.15	MANHOLE	27	EA
	604.16	ALTER CATCH BASIN TO MANHOLE	6	EA
	604.164	REBUILDING CATCH BASIN	2	EA
	604.2403	SPECIAL BASIN	21	EA
	604.249	CATCH BASIN TYPE F6-C	1	EA
	604.252	CATCH BASIN TYPE A5-C	13	EA
	605.09	6 IN UNDERDRAIN TYPE B	1,550	LF
	605.11	12 IN UNDERDRAIN TYPE C	2,400	LF
	605.12	15 IN UNDERDRAIN TYPE C	1,150	LF
	605.13	18 IN UNDERDRAIN TYPE C	370	LF
	605.15	24 IN UNDERDRAIN TYPE C	500	LF
*	606.47	SINGLE WOOD POST	5	EA
	607.24	REMOVE AND RESET FENCE	130	LF
	607.25	REMOVE AND RESET CHAIN LINK FENCE	500	LF
	608.26	CURB RAMP DETECTABLE WARNING FIELD	120	SF
	609.11	VERTICAL CURB TYPE 1	3,750	LF
	609.12	VERTICAL CURB TYPE 1- CIRCULAR	270	LF
	609.234	TERMINAL CURB TYPE 1- 4 FT	3	EA
	609.2341	TERMINAL CURB TYPE 1- 4 FT CIRCULAR	25	EA
	609.238	TERMINAL CURB TYPE 1- 8 FT	105	EA
	609.2381	TERMINAL CURB TYPE 1- 8 FT CIRCULAR	10	EA
	610.08	PLAIN RIPRAP	185	CY
	613.319	EROSION CONTROL BLANKET	1,000	SY
	615.07	LOAM	1,100	CY
	618.13	SEEDING METHOD NO. 1	40	UN
	618.1411	SEEDING METHOD NO. 3 - PLAN QUANTITY	45	UN
	619.12	MULCH	82	UN
	619.1401	EROSION CONTROL MIX	160	CY
	620.58	EROSION CONTROL GEOTEXTILE	370	SY
	622.10	TRANSPLANTING SHRUB	8	EA
	627.733	4" WHITE OR YELLOW PAINTED PAVEMENT MARKING LINE	12,200	LF
	627.75	WHITE OR YELLOW PAVEMENT AND CURB MARKING	2,500	SF
	627.76	TEMP PVMT. MARKING LINE. WHITE 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)	10	HR
*	631.172	TRUCK - LARGE (INCLUDING OPERATOR)	10	HR
*	631.18	CHAIN SAW RENTAL (INCLUDING OPERATOR)	10	HR
*	631.20	STUMP CHIPPER (INCLUDING OPERATOR)	5	HR
*	631.22	FRONT END LOADER (INCLUDING OPERATOR)	10	HR
*	631.32	CULVERT CLEANER (INCLUDING OPERATOR)	10	HR
	639.18	FIELD OFFICE TYPE A	1	LS
	645.106	DEMOUNT REG. WARN. CONF. & RTE SIGN	11	EA
	645.116	REINSTALL REG. WARN. CONF. & RTE SIGN	11	EA
	645.271	REG WARN CONF RTE SIGN TYPE 1	10	SF
	652.31	TYPE I BARRICADE	10	EA
	652.311	TYPE II BARRICADE	4	EA
	652.33	DRUM	100	EA
	652.34	CONE	100	EA
	652.35	CONSTRUCTION SIGNS	800	SF
	652.361	MAINTENANCE OF TRAFFIC CONTROL DEVICES	1	LS
	652.38	FLAGGER	5,000	HR
	656.75	TEMP SOIL EROSION AND WATER POLLUTION CONTROL PLAN	1	LS
	659.10	MOBILIZATION	1	LS
	660.21	ON-THE-JOB TRAINING (BID)	1,000	HR
	812.162	ADJUST SEWER MANHOLE TO GRADE	8	EA

* UNDETERMINED LOCATION

SUMMARY OF EARTHWORK AND BORROW

COMMON EXCAVATION FOR ESTIMATE

COMMON EXCAVATION (FROM CROSS SECTIONS)	13,470 CY	
EARTH FROM DRIVES, SIDE STREETS, ETC.	2,610 CY	
STORMWATER OUTLET AREA	3,000 CY	
TOTAL COMMON EXCAVATION		19,080 CY

FILL FOR BORROW CALCULATIONS

COMMON FILL MAINLINE (FROM CROSS SECTIONS)	123 CY	
STORMWATER OUTLET AREA	220 CY	
TOTAL FILL		343 CY

ROCK EXCAVATION FOR ESTIMATE **

ROCK EXCAVATION	0 CY	
TOTAL ROCK EXCAVATION		0 CY

AVAILABLE COMMON EXCAVATION FOR BORROW CALCULATIONS

(1) TOTAL COMMON EXCAVATION		19,080 CY
DEDUCTIONS:		
CONCRETE ROADWAY	1,801 CY	
EXISTING PAVEMENT	2,038 CY	
(2) TOTAL DEDUCTIONS		3,839 CY
TOTAL AVAILABLE NON-ROCK EXCAVATION (1) MINUS (2)		15,241 CY
TOTAL AVAILABLE STRUCT EXCAV. (UD ONLY)	2,000 CY	
TOTAL AVAILABLE NON ROCK EXCAVATION		17,241 CY

COMPUTATION OF COMMON BORROW FOR ESTIMATE

(3) TOTAL FILL			343 CY
TOTAL AVAILABLE NON-ROCK EXCAV.	17,241 CY	X 0.85 =	14,655 CY
TOTAL AVAILABLE ROCK EXCAV.	0 CY	X 1.33 =	0 CY
(4) TOTAL AVAILABLE EXCAVATION			14,655 CY

SURPLUS MATERIAL = AVAILABLE EXCAVATION - TOTAL FILL * DEDUCTIONS 18,151 CY

NOTE: ROCK EXCAVATION TO BE PAID AS 6 X COMMON EXCAVATION

STATE OF MAINE
DEPARTMENT OF TRANSPORTATION

STP-1481(400)X

WIN
14814.00

	BY	DATE
PROJ. MANAGER ERNEST MARTIN		
DESIGN-DETAILED	ALC/RCL	5-12
CHECKED-REVIEWED	ALC	5-12
DESIGN2-DETAILED2		
DESIGN3-DETAILED3		
REVISIONS 1	DEL. HASP. REV. OJT	6/13/12
REVISIONS 2	618.1411, FLAG, MISC. SPELL	6/18/12
REVISIONS 3		
REVISIONS 4		
FIELD CHANGES		

SIGNATURE

4226
P.E. NUMBER

5/23/12
DATE

BIDDEFORD
ROUTE 1

ESTIMATED QUANTITIES

SHEET NUMBER
3
OF 102

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											TYPE B	OUTLET	SMOOTHLINED		CORRUGATED		DESCRIPTIONS	
	SIZE	LENGTH	CLASS	SIZE	LENGTH	SIZE	LENGTH	SIZE	LENGTH	SIZE	LENGTH	A1-C	B1-C	F6-C	E	F	SPAN	RISE	LENGTH		LENGTH	LENGTH	SIZE	LENGTH	SIZE	LENGTH		
CULVERT PIPES																												
MAIN LINE																												
STA 34+84.00 LT TO																												
STA 0+32.89 BEAUDOIN ST LT								12"	36'																			
STA 63+89.58 LT TO 64+84.83 LT								15"	96'																			
STA 49+75.00 RT TO 49+75.00 RT								18"	100'																			
STA 49+75.00 RT TO 49+90.00 RT								18"	32'																			
STA 49+26.60 LT TO 49+26.60 RT	18"	43'	III																									
STA 64+86.83 LT TO 64+86.83 RT	18"	51'	III																									
STA 34+84.13 LT TO 34+82.00 RT	24"	46'	III																									
STA 50+98.38 RT TO 51+25.08 RT						15"	28'																					
BEAUDOIN AVENUE																												
STA 0+32.89, 16.53' LT TO 0+37.00 RT								12"	28'																			
STA 0+37.00 LT TO 0+38.00 RT								12"	6'																			
WACO STREET																												
STA 10+36.00 LT TO 10+31.00 RT								12"	36'																			
STA 10+31.00 RT TO																												
STA 40+56.23 LT MAIN LINE								12"	21'																			
MANHOLES																												
MAIN LINE																												
STA 36+50.29, 23.75' RT																				1 1/8								2' CONE, SHAPE 5 NO 3
STA 37+56.22, 25.32' LT																				1 1/4								2' CONE, SHAPE 5 NO 6
STA 38+81.35, 21.50' RT																				1 1/8								2' CONE, SHAPE 5 NO 5
STA 38+99.86, 25.32' LT																				1 1/4								2' CONE, SHAPE 5 NO 8
STA 40+58.16, 25.32' LT																				1 1/8								2' CONE, SHAPE 5 NO 10
STA 41+00.00, 21.50' RT																				1								2' CONE, SHAPE 5 NO 7
STA 42+24.00 25.32' LT																				1								2' CONE, SHAPE 5 NO 11
STA 42+54.84, 21.50' RT																				1								2' CONE, SHAPE 5 NO 9
STA 43+30.00, 25.32' LT																				1								2' CONE, SHAPE 5 NO 12
STA 46+88.68, 22.50' RT																				1								2' CONE, SHAPE 5 NO 13
STA 49+26.60, 22.50' RT																				1 5/8								SHAPE 5 NO 15
STA 49+75.00, 22.50' RT																				1 3/4								SHAPE 5 NO 17
STA 49+75.00, 127.50' RT																				1 3/4								SHAPE 5 NO 17A
STA 51+95.36, 22.50' RT																				1 1/8								SHAPE 5 NO 19
STA 54+18.86, 22.50' RT																				1 1/8								SHAPE 5 NO 21
STA 58+23.63, 24.00' RT																				1 1/8								SHAPE 5 NO 24
STA 60+58.46, 24.00' RT																				1 1/4								SHAPE 5 NO 26
STA 62+28.37, 24.00' RT																				1 1/4								SHAPE 5 NO 28
STA 63+87.58, 25.32' LT																				1 1/4								SHAPE 5 NO 29
STA 63+87.58, 25.00' RT																				1 1/4								SHAPE 5 NO 30
STA 64+86.83, 25.32' LT																				1 1/4								SHAPE 5 NO 31
STA 64+86.83, 27.90' RT																				1 3/8								SHAPE 5 NO 32
CATCH BASIN TYPE F6-C																												
BEAUDOIN AVENUE																												
STA 0+38.00, 21.02' RT														1														NO 2C
ALTER CATCH BASINS TO MH																												
MAIN LINE																												
STA 37+76.90, 22.10' LT																												1
STA 39+90.40, 21.90' LT																												1
STA 40+29.30, 21.40' LT																												1
STA 44+95.7, 19.3' LT																												1
STA 47+71.5, 16.7' LT																												1
STA 65+90.3, 20.2' LT																												1
CATCH BASINS TYPE A1-C																												
BEAUDOIN AVENUE																												
STA 0+32.89, 16.53' LT												1																NO 2A
STA 0+37.00, 12.52' RT												1																NO 2B
WACO STREET																												
STA 10+36.00, 17.18' LT												1																NO 10A
STA 10+31.00, 21.87' RT												1																NO 10B
REBUILDING CATCH BASINS																												
MAIN LINE																												
STA 41+08.6, 18.80' RT																												SHAPE 5 CONE AND MH COVER
STA 65+80.5, 24.10' RT																												A5-C CONE AND GRATE

STATE OF MAINE
DEPARTMENT OF TRANSPORTATION

STP-1481(400)X

WIN 14814.00

HIGHWAY PLANS

PROJ. MANAGER	ERNIE MARTIN		
DESIGN-DETAILED	RCL	5-12	
CHECKED-REVIEWED	ALG	5-12	
DESIGN2-DETAILED2			
DESIGN3-DETAILED3			
REVISIONS 1			
REVISIONS 2			
REVISIONS 3			
REVISIONS 4			
FIELD CHANGES			

SIGNATURE 4226

P.E. NUMBER 5/31/12

DATE

BIDDEFORD
ROUTE 1

DRAINAGE SHEET

SHEET NUMBER 4

OF 102

Filename: ...\HIGHWAY\MSTA\004_Drainage.dgn Username: jeason Division: HIGHWAY Date:6/4/2012

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												TYPE B	OUTLET	SMOOTHLINED		CORRUGATED		DESCRIPTIONS	
	SIZE	LENGTH	CLASS	SIZE	LENGTH	SIZE	LENGTH	SIZE	LENGTH	SIZE	LENGTH	A1-C	SPEC'L	A5-C	E	F	SPAN	RISE	LENGTH			LENGTH	LENGTH	SIZE	LENGTH	SIZE	LENGTH		
CATCH BASIN TYPE A5-C																													
MAIN LINE																													
STA 34+82.00, 22.88' RT														1 1/2														72" FLAT TOP	NO 1
STA 34+84.13, 24.06' LT														1 1/2														2' CONE	NO 2
STA 36+21.36, 22.92' LT														1 1/8														2' CONE	NO 4
STA 47+00.00, 21.87' LT														1 1/8														2' CONE	NO 14
STA 49+26.60, 21.87' LT														1 1/2															NO 16
STA 50+67.50, 21.87' LT														1 1/8														2' CONE	NO 18
STA 52+75.00, 21.87' LT														1														2' CONE	NO 20
STA 54+90.91, 21.87' LT														1														2' CONE	NO 22
STA 58+23.63, 21.87' LT														1														2' CONE	NO 23
STA 60+58.46, 21.87' LT														1														2' CONE	NO 25
STA 62+28.37, 21.87' LT														1 1/8														2' CONE	NO 27
SPECIAL CATCH BASINS																													
MAIN LINE																													
STA 36+50.29, 20.17' RT													1																NO 3
STA 37+56.22, 22.29' LT													1																NO 6
STA 38+81.35, 18.29' RT													1																NO 5
STA 38+99.86, 22.29' LT													1																NO 8
STA 40+58.16, 22.29' LT													1																NO 10
STA 41+00.00, 18.29' RT													1																NO 7
STA 42+24.00, 22.29' LT													1																NO 11
STA 42+54.84, 18.29' RT													1																NO 9
STA 43+30.00, 22.29' LT													1																NO 12
STA 46+88.68, 18.29' RT													1																NO 13
STA 49+26.60, 18.29' RT													1																NO 15
STA 49+75.00, 18.29' RT													1																NO 17
STA 51+94.30, 18.29' RT													1																NO 19
STA 54+18.86, 18.29' RT													1																NO 21
STA 58+23.63, 18.29' RT													1																NO 24
STA 60+58.46, 18.29' RT													1																NO 26
STA 62+28.37, 18.80' RT													1																NO 28
STA 63+87.58, 21.88' RT													1																NO 30
STA 63+87.58, 22.29' LT													1																NO 29
STA 64+86.83, 22.29' LT													1																NO 31
STA 64+86.83, 23.78' RT													1																NO 32
UNDERDRAIN																													
MAIN LINE																													
STA 33+85.00 TO STA 34+82.13 LT																						98							
STA 34+85.00 TO STA 36+48.29 RT																								18"	164				
STA 34+86.13 TO STA 36+19.36 LT																								24"	134				
STA 36+23.36 TO STA 37+54.25 LT																								24"	131				
STA 36+52.29 TO STA 38+79.35 RT																								15"	228				
STA 37+58.25 TO STA 38+98.00 LT																								24"	140				
STA 38+83.35 TO STA 40+98.00 RT																								15"	215				
STA 39+01.86 TO STA 40+56.23 LT																								18"	155				
STA 40+60.16 TO STA 42+22.00 LT																								15"	162				
STA 41+02.00 TO STA 42+52.84 RT																								12"	151				
STA 42+26.00 TO STA 43+28.00 LT																								12"	102				
STA 42+56.84 TO STA 45+00.00 RT																						244							
STA 43+32.00 TO STA 45+00.00 LT																						168							
STA 45+00.00 TO STA 46+98.00 LT																						198							
STA 46+90.68 TO STA 49+24.60 RT																								12"	234				
STA 47+02.00 TO STA 49+24.60 LT																								12"	223				
STA 49+28.60 TO STA 49+73.00 RT																								18"	45				
STA 49+28.60 TO STA 50+65.50 LT																								15"	137				
STA 49+77.00 TO STA 51+93.36 RT																								12"	217				
STA 50+69.50 TO STA 52+73.00 LT																								12"	204				
STA 51+97.36 TO STA 54+16.86 RT																								12"	220				
STA 52+77.00 TO STA 54+88.91 LT																								12"	212				
STA 54+20.86 TO STA 56+25.00 RT																						205							
STA 56+25.00 TO STA 58+21.63 RT																						197							
STA 54+92.91 TO STA 56+25.00 LT																						133							
STA 56+25.00 TO STA 58+21.63 LT																						197							
STA 58+25.63 TO STA 60+56.46 LT																								12"	231				
STA 58+25.63 TO STA 60+56.46 RT																								12"	231				
STA 60+60.46 TO STA 62+26.37 LT																								12"	166				
STA 60+60.46 TO STA 62+26.37 RT																								12"	166				
STA 62+30.37 TO STA 63+85.58 LT																								15"	156				
STA 62+30.37 TO STA 63+85.58 RT																								15"	156				
STA 64+88.83 TO STA 65+84.83 LT																						96							
STA 64+88.83 TO STA 65+78.50 RT																								24"	90				
STA 63+89.58 TO STA 64+84.83 RT																								15"	96				

Filename: ...\HIGHWAY\MSTA\005_Drainage.dgn Division: HIGHWAY Username: jeason Date:6/4/2012

STATE OF MAINE
DEPARTMENT OF TRANSPORTATION

STP-1481(400)X

WIN
14814.00

HIGHWAY PLANS

PROJ. MANAGER	ERNIE MARTIN		
DESIGN-DETAILED	RCL	5-12	
CHECKED-REVIEWED	ALG	5-12	
DESIGN2-DETAILED2			
DESIGN3-DETAILED3			
REVISIONS 1			
REVISIONS 2			
REVISIONS 3			
REVISIONS 4			
FIELD CHANGES			

SIGNATURE

4226

P.E. NUMBER

5/23/12

DATE

BIDDEFORD
ROUTE 1

DRAINAGE SHEET

SHEET NUMBER

5

OF 102

GENERAL NOTES

1. THE UTILITIES INVOLVED IN THIS CONTRACT ARE AS FOLLOWS:

   CENTRAL MAINE POWER COMPANY
   TIME WARNER CABLE
   BIDDEFORD & SACO WATER COMPANY
   CITY OF BIDDEFORD (SANITARY SEWER)
   FAIR POINT COMMUNICATIONS

2. ALL UTILITY FACILITIES SHALL BE ADJUSTED BY THE RESPECTIVE UTILITIES UNLESS OTHERWISE NOTED.

3. ALL JOINTS BETWEEN EXISTING AND PROPOSED HOT BITUMINOUS PAVEMENT SHALL BE BUTTED VERTICALLY. ON PUBLIC ROADS, MILL EXISTING SURFACE ONE FOOT BEYOND THE VERTICAL JOINT AT 1.5" DEPTH AND OVERLAY. PAYMENT FOR MILLING BEYOND THE SAW CUT JOINT SHALL BE MADE UNDER ITEM 202.202 REMOVING PAVEMENT SURFACE.

4. CONSTRUCT BUTTED JOINTS AT ALL PAVED DRIVES AND ENTRANCES.

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

7. ALL WASTE MATERIAL NOT USED ON THE PROJECT SHALL BE DISPOSED OF OFF THE PROJECT IN WASTE AREAS APPROVED BY THE RESIDENT.

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

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

10. 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.

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

12. COMMERCIAL PAVED ENTRANCES SHALL BE CONSTRUCTED WITH: 3" HOT MIX ASPHALT AND 11" AGGREGATE SUBBASE COURSE GRAVEL.

13. 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.

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

15. ALL PAVED WALKS SHALL BE CONSTRUCTED WITH 12" AGGREGATE SUBBASE COURSE-GRAVEL AND 2" HOT MIX ASPHALT UNLESS OTHERWISE NOTED IN THE PLANS OR DIRECTED BY THE RESIDENT.

16. ANY NECESSARY CLEANING OF EXISTING PAVEMENT PRIOR TO PAVING SHALL BE INCIDENTAL TO THE RELATED PAVING ITEMS.

17. THE FOLLOWING SHALL BE INCIDENTAL TO THE 603 ITEM(S):
   - o ANY CUTTING OF EXISTING CULVERTS AND OR CONNECTORS NECESSARY TO INSTALL NEW CULVERT REPLACEMENTS OR EXTENSIONS
   - o ALL PIPE EXCAVATION INCLUDING ANY CUTTING AND REMOVAL OF PAVEMENT
   - o FURNISHING, PLACING, GRADING, AND COMPACTING OF 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).
   - o ALL WORK NECESSARY TO CONNECT TO EXISTING PIPES AND DRAINAGE STRUCTURES

18. EXISTING CULVERTS TO REMAIN SHALL BE CLEANED AS DIRECTED BY THE RESIDENT. PAYMENT WILL BE MADE UNDER ITEM 631.32 CULVERT CLEANER (INCLUDING OPERATOR).

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

20. ALL PIPES IN THE CLOSED DRAINAGE SYSTEM ARE INTENDED TO BE SMOOTHLINED PIPES ONLY.

21. ANY NECESSARY CUTTING OF EXISTING PIPES TO FIT IN AREAS OF PROPOSED CATCH BASINS WILL NOT BE PAID FOR SEPARATELY AND WILL BE CONSIDERED INCIDENTAL TO ITEM 604.

22. ANY NECESSARY CUTTING OF EXISTING CATCH BASINS TO ALLOW FOR PROPOSED PIPE CONNECTIONS WILL NOT BE PAID FOR SEPARATELY AND WILL BE CONSIDERED INCIDENTAL TO ITEM 603 OR 605.

23. EXISTING ABANDONED WATER MAINS BROKEN BY THE CONTRACTOR DURING CONSTRUCTION SHALL HAVE THE ENDS PLUGGED WITH BRICK AND MORTAR. COST FOR ALL LABOR AND MATERIAL WILL BE CONSIDERED INCIDENTAL TO THE CONTRACT AND NO DIRECT PAYMENT WILL BE MADE.

24. ALL CATCH BASINS TYPE A PLACED ON CIRCULAR CURB TYPE I SHALL HAVE THE CURB INLET CUT THE SAME RADIUS AS ADJACENT CIRCULAR CURB. PAYMENT SHALL BE INCIDENTAL TO ITEM 604.

25. 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.

26. UNLESS OTHERWISE NOTED SEEDING METHOD NO. 1 SHALL BE UTILIZED ON ALL DISTURBED AREAS OTHER THAN THE STORMWATER OUTLET TREATMENT AREA SHOWN ON SHEET 8 OF THE PLANS.

27. LOAM SHALL BE PLACED TO A NOMINAL DEPTH OF 4 INCHES UNLESS OTHERWISE NOTED OR DIRECTED.

28. ANY BASE PAVEMENT NOT SURFACED BEFORE WINTER WILL REQUIRE TEMPORARY PAVEMENT MARKINGS OF PAINT, BOTH YELLOW CENTERLINE AND WHITE EDGE LINES, AND WILL BE CONSIDERED PART OF ITEM 627.76.

29. THE CONTRACTOR WILL BE RESPONSIBLE FOR MAINTAINING ALL EXISTING MAILBOXES TO ENSURE THAT THE MAIL WILL BE DELIVERABLE. NO SEPARATE PAYMENT WILL BE MADE FOR THIS WORK; IT SHALL BE CONSIDERED INCIDENTAL TO THE CONTRACT.

30. 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.

31. AREAS REQUIRING FILL ON THE PROJECT WILL COME FROM SUITABLE EXCAVATION FROM EXCAVATION AREAS.

32. ESTIMATED QUANTITIES FOR REQUIRED STRUCTURAL EARTH EXCAVATION, DRAINAGE AND MINOR STRUCTURES ARE INFORMATIONAL ONLY AND REPRESENT THE APPROXIMATE MINIMUM QUANTITY REQUIRED TO INSTALL DRAINAGE STRUCTURES. 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.

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

34. "UNDETERMINED LOCATIONS" SHALL BE DETERMINED BY THE RESIDENT.

35. ALL WORK SHALL BE DONE IN ACCORDANCE WITH THE LATEST EDITION OF THE MAINE DEPARTMENT OF TRANSPORTATION'S BEST MANAGEMENT PRACTICES FOR EROSION CONTROL & SEDIMENT CONTROL.

36. THE MAINE DEPARTMENT OF ENVIRONMENTAL PROTECTION (MDEP) HAS FOUND EVIDENCE OF PETROLEUM-RELATED CONTAMINATION ALONG THE PROPOSED PROJECT. MAINE DEPARTMENT OF TRANSPORTATION (MAINEDOT) PERFORMED ENVIRONMENTAL BORINGS AT NUMEROUS LOCATIONS ALONG THE PROJECT AND DID NOT DETECT OBVIOUS INDICATIONS OF SUBSURFACE CONTAMINATION IN THE RIGHT-OF-WAY. HOWEVER, IN LIGHT OF MDEP'S AND MAINEDOT'S FINDINGS, THE CONTRACTOR SHALL EMPLOY APPROPRIATE HEALTH AND SAFETY MEASURES TO PROTECT ITS WORKERS AGAINST HAZARDS ASSOCIATED WITH WORKING NEAR PETROLEUM-IMPACTED SOILS. FURTHERMORE, THE CONTRACTOR SHALL REMAIN ALERT FOR ANY ADDITIONAL EVIDENCE OF CONTAMINATION. IF THE CONTRACTOR ENCOUNTERS EVIDENCE OF SOIL OR GROUNDWATER CONTAMINATION, THE CONTRACTOR SHALL SECURE THE EXCAVATION, STOP WORK IN THE CONTAMINATED AREA, AND IMMEDIATELY NOTIFY THE RESIDENT. THE RESIDENT SHALL CONTACT THE HYDROGEOLOGIST IN MAINEDOT'S ENVIRONMENTAL OFFICE AT 207-624-3100 AND THE MAINE DEPARTMENT OF ENVIRONMENTAL PROTECTION AT 800-482-0777. WORK MAY ONLY CONTINUE WITH AUTHORIZATION FROM THE RESIDENT.

37. REMOVAL OF TRAFFIC SIGNS THAT ARE NOT DESIGNATED ON THE PLANS TO BE REINSTALLED WILL BE CONSIDERED INCIDENTAL TO THE CONTRACT. PAYMENT FOR REINSTALLING SIGNS UNDER ITEM 645.116 SHALL INCLUDE NEW U-CHANNEL POSTS.

STATE OF MAINE
DEPARTMENT OF TRANSPORTATION

STP-1481(400)X

WIN
14814.00

HIGHWAY PLANS

SIGNATURE

4226

P.E. NUMBER

5/23/12

DATE

PROJ. MANAGER	E. MARTIN	BY	DATE
DESIGN-DETAILED	ALC/RCL		5-12
CHECKED-REVIEWED	ALC		5-12
DESIGN2-DETAILED2			
DESIGN3-DETAILED3			
REVISIONS 1			
REVISIONS 2			
REVISIONS 3			
REVISIONS 4			
FIELD CHANGES			

BIDDEFORD
ROUTE 1

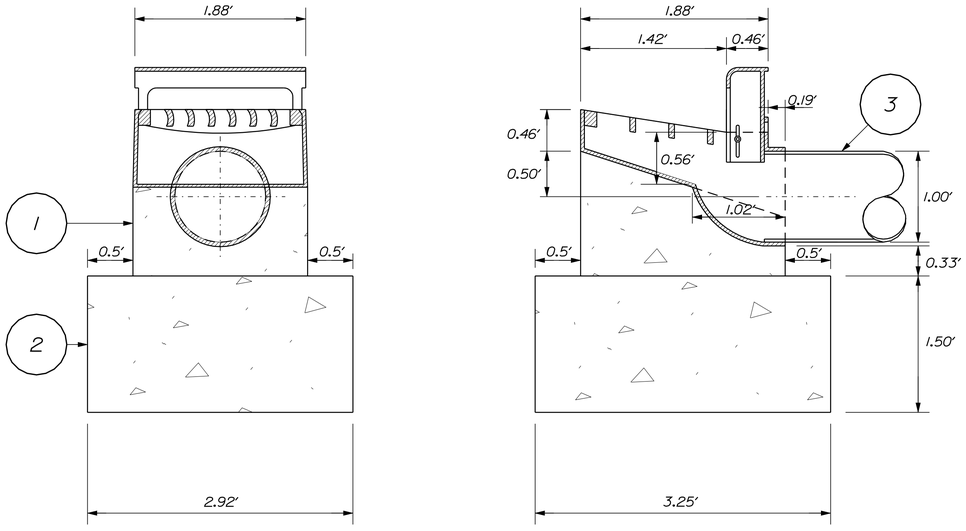
GENERAL NOTES

SHEET NUMBER

6

OF 102

Date:6/4/2012
Username: jeason
Division: HIGHWAY
Filename: ...\MSTA\006_GeneralNotes.dgn



ITEM 604.2403

SPECIAL CATCH BASIN R-3165

1 .5 0 1 2 3

SCALE: FT

NOTES:

1. PRE-CAST BASE. CARE SHALL BE TAKEN TO ELIMINATE ALL AIR VOIDS BETWEEN CONCRETE AND FRAME.

2. CAST-IN-PLACE FOOTINGS. EXTEND APPROXIMATELY 6 INCHES BEYOND THE PRE-CAST BASE ON ALL SIDES. EXACT DIMENSIONS AS CONDITIONS ALLOW.

3. 12" PVC OUTLET PIPE. CONCRETE BASE AND FOOTING WILL BE CONSIDERED INCIDENTAL TO PAYMENT UNDER ITEM 604.2403.

4. CONCRETE SHALL MEET REQUIREMENTS OF SECTION 502 FOR CONCRETE FILL.

Username: jeason Date:6/4/2012

Division: HIGHWAY

Filename: ...\007_SPECIAL CATCH BASINS.dgn

STATE OF MAINE
DEPARTMENT OF TRANSPORTATION

STP-1481(400)X

WIN
14814.00

HIGHWAY PLANS

PROJ. MANAGER	ERNIE MARTIN	BY	DATE
DESIGN-DETAILED	RCL	RCL	5-12
CHECKED-REVIEWED	ALG		5-12
DESIGN2-DETAILED2			
DESIGN3-DETAILED3			
REVISIONS 1			
REVISIONS 2			
REVISIONS 3			
REVISIONS 4			
FIELD CHANGES			

SIGNATURE
4226
P.E. NUMBER
5/23/12
DATE

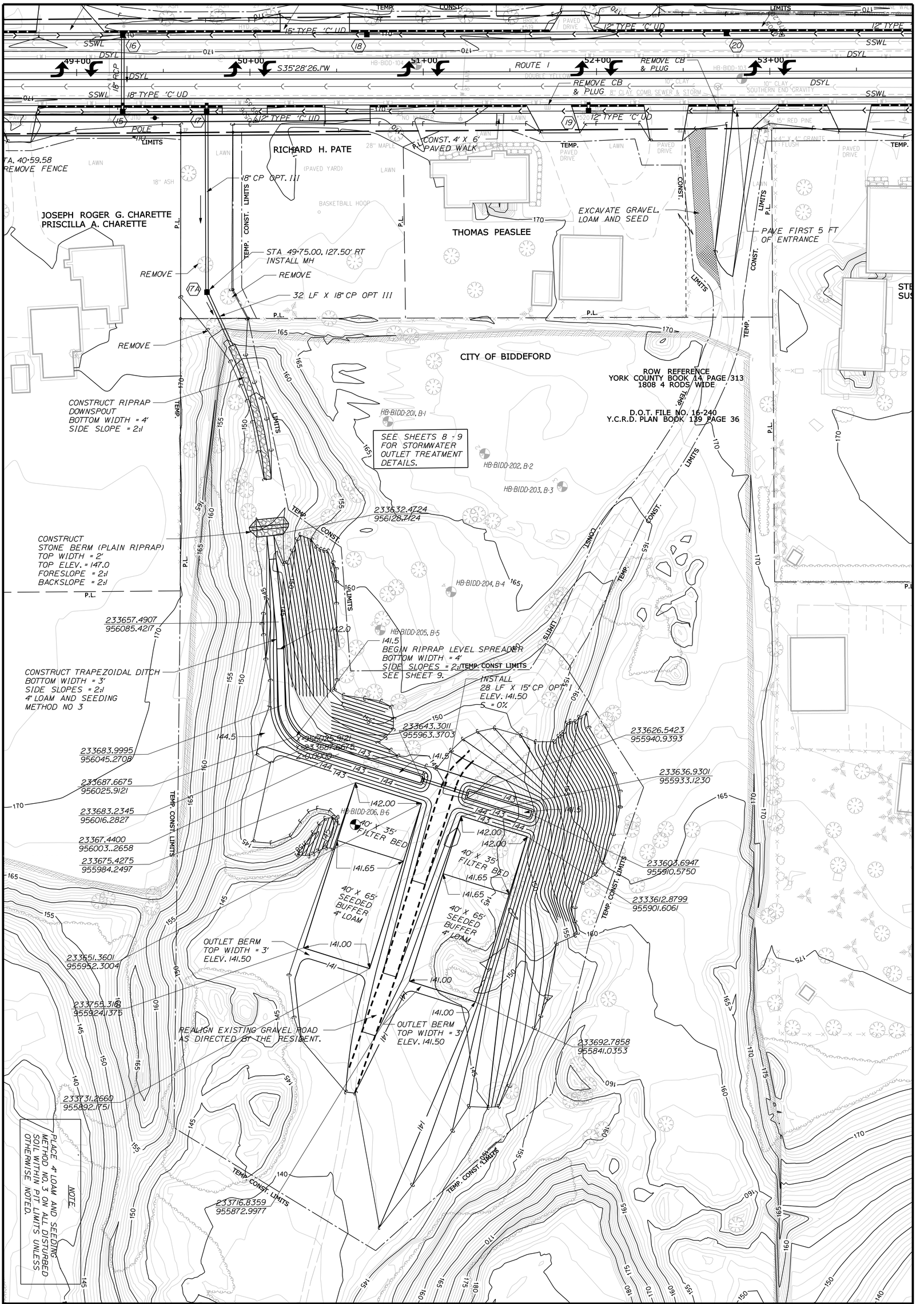
BIDDEFORD
ROUTE 1

SPECIAL CATCH BASIN

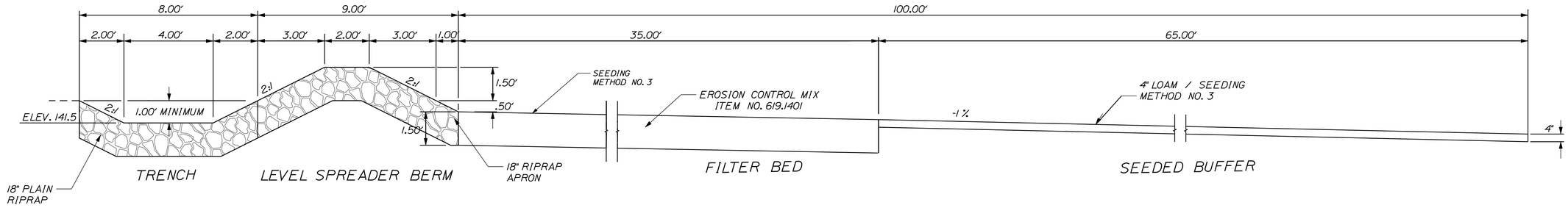
SHEET NUMBER

7

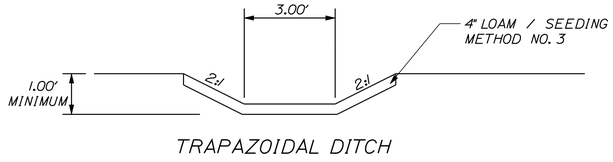
OF 102



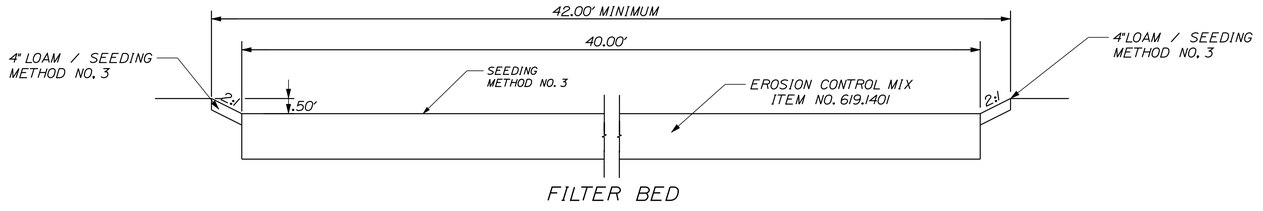
SHEET NUMBER 8 OF 102	BIDDEFORD ROUTE 1	PROJ. MANAGER ERNIE MARTIN	BY	DATE	STATE OF MAINE DEPARTMENT OF TRANSPORTATION
		DESIGN-DETAILED RCL	RCL	5-12	
		CHECKED-REVIEWED ALG		5-12	STP-1481(400)X
		DESIGN2-DETAILED2			SIGNATURE
		DESIGN3-DETAILED3			4226
		REVISIONS 1			P.E. NUMBER
		REVISIONS 2			5/23/12
		REVISIONS 3			DATE
		REVISIONS 4			WIN 14814.00
	STORMWATER OUTLET	FIELD CHANGES			HIGHWAY PLANS



TYPICAL PROFILE



TRAPAZOIDAL DITCH



FILTER BED

TYPICAL X-SECTION

DRAINAGE OUTLET BUFFER AREA DETAILS

NOT TO SCALE

STATE OF MAINE
DEPARTMENT OF TRANSPORTATION

STP-1481(400)X

WIN
14814.00

HIGHWAY PLANS

PROJ. MANAGER	ERNIE MARTIN		
DESIGN-DETAILED	RCL	BY	DATE
CHECKED-REVIEWED	ALG	RCL	5-12
DESIGN2-DETAILED2		ALG	5-12
DESIGN3-DETAILED3			
REVISIONS 1			
REVISIONS 2			
REVISIONS 3			
REVISIONS 4			
FIELD CHANGES			

SIGNATURE
4226
P.E. NUMBER
5/23/12
DATE

BIDDEFORD
ROUTE 1

DRAINAGE OUTLET BUFFER

SHEET NUMBER
9
OF 102

Filename: ...\009_DRAINAGE OUTLET BUFFER DETAILS.dgn Design: HIGHWAY Username: jeason Date:6/4/2012

Username: jeason

Date:6/4/2012

Filename: ...\MSTA\010_Boring Logs1.dgn

Division: HIGHWAY

Maine Department of Transportation — HB-B1DD-108

Soil/Rock Exploration Log — US CUSTOMARY UNITS

Project: Elm Street (Route 1) — Location: Biddeford, Maine — PIN: 14814.00

Boring No.: HB-B1DD-108

Driller: MaineDOT	Elevation (ft.): 168.7	Auger ID/OD:	5" Dia.
Operator: E. Giguere/C. Giles	Datum: NAVD 88	Sampler:	Off Flights
Logged By: B. Wilder	Rig Type: CME 45C	Hammer Wt./Fall:	N/A
Date Start/Finish: 5/8/08-5/8/08	Drilling Method: Solid Stem Auger	Core Barrel:	N/A
Boring Location: 40+33. 4.5 Rt.	Casing ID/OD: N/A	Water Level(ft):	None Observed

Definitions: D = Split Spoon Sample; WO = 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 (tsf); $S_{u(LAB)}$ = 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 (#) on Spoon Per 6 in. Increment or RQD (%)	N-value	Casing Blows	Elevation (ft.)	Graphic Log	Visual Description and Remarks	Laboratory Testing Results/ AASHTO and
0						SSA	168.25		PAVEMENT. 0.45	
							167.70		CONCRETE. 1.00	
	S10		1.00 - 5.00						Light brown, damp, fine to medium SAND, little gravel, little silt.	
5							163.70		Bottom of Exploration at 5.00 feet below ground surface. NO REFUSAL 5.00	
10										
15										
20										
25										

Remarks: Offsets are from Existing Roadway CL.

Stratification lines represent approximate boundaries between soil typest 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-B1DD-108

Maine Department of Transportation — HB-B1DD-107

Soil/Rock Exploration Log — US CUSTOMARY UNITS

Project: Elm Street (Route 1) — Location: Biddeford, Maine — PIN: 14814.00

Boring No.: HB-B1DD-107

Driller: MaineDOT	Elevation (ft.): 169.9	Auger ID/OD:	5" Dia.
Operator: E. Giguere/C. Giles	Datum: NAVD 88	Sampler:	Off Flights
Logged By: B. Wilder	Rig Type: CME 45C	Hammer Wt./Fall:	N/A
Date Start/Finish: 5/8/08-5/8/08	Drilling Method: Solid Stem Auger	Core Barrel:	N/A
Boring Location: 43+52. 12.4 Rt.	Casing ID/OD: N/A	Water Level(ft):	None Observed

Definitions: D = Split Spoon Sample; WO = 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 (tsf); $S_{u(LAB)}$ = 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 (#) on Spoon Per 6 in. Increment or RQD (%)	N-value	Casing Blows	Elevation (ft.)	Graphic Log	Visual Description and Remarks	Laboratory Testing Results/ AASHTO and
0	CS2		0.00 - 0.45			SSA	169.45		PAVEMENT. (Core sample taken). 0.45	
			0-45				168.90		CONCRETE. (Core sample taken). 1.00	
	S9		1.00 - 5.00						Light brown, damp, fine to medium SAND, little gravel, little silt.	GM207241 A-2-4, SM WC=4.1%
5							164.90		Bottom of Exploration at 5.00 feet below ground surface. NO REFUSAL 5.00	
10										
15										
20										
25										

Remarks: Offsets are from Existing Roadway CL.

Stratification lines represent approximate boundaries between soil typest 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-B1DD-107

Maine Department of Transportation — HB-B1DD-106

Soil/Rock Exploration Log — US CUSTOMARY UNITS

Project: Elm Street (Route 1) — Location: Biddeford, Maine — PIN: 14814.00

Boring No.: HB-B1DD-106

Driller: MaineDOT	Elevation (ft.): 170.3	Auger ID/OD:	5" Dia.
Operator: E. Giguere/C. Giles	Datum: NAVD 88	Sampler:	Off Flights
Logged By: B. Wilder	Rig Type: CME 45C	Hammer Wt./Fall:	N/A
Date Start/Finish: 5/8/08-5/8/08	Drilling Method: Solid Stem Auger	Core Barrel:	N/A
Boring Location: 46+38. 6.4 Lt.	Casing ID/OD: N/A	Water Level(ft):	None Observed

Definitions: D = Split Spoon Sample; WO = 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 (tsf); $S_{u(LAB)}$ = 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 (#) on Spoon Per 6 in. Increment or RQD (%)	N-value	Casing Blows	Elevation (ft.)	Graphic Log	Visual Description and Remarks	Laboratory Testing Results/ AASHTO and Unified Class
0	S8		0.50 - 5.00			SSA	169.80		PAVEMENT. 0.50	
							169.40		CONCRETE. 0.90	
									Brown, damp, fine to coarse SAND, little silt, little gravel.	GM207240 A-1-b, SM WC=8.4%
5							165.30		Bottom of Exploration at 5.00 feet below ground surface. NO REFUSAL 5.00	
10										
15										
20										
25										

Remarks: Offsets are from Existing Roadway CL.

Stratification lines represent approximate boundaries between soil typest 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-B1DD-106

Maine Department of Transportation — HB-B1DD-105

Soil/Rock Exploration Log — US CUSTOMARY UNITS

Project: Elm Street (Route 1) — Location: Biddeford, Maine — PIN: 14814.00

Boring No.: HB-B1DD-105

Driller: MaineDOT	Elevation (ft.): 170.2	Auger ID/OD:	5" Dia.
Operator: E. Giguere/C. Giles	Datum: NAVD 88	Sampler:	Off Flights
Logged By: B. Wilder	Rig Type: CME 45C	Hammer Wt./Fall:	N/A
Date Start/Finish: 5/8/08-5/8/08	Drilling Method: Solid Stem Auger	Core Barrel:	N/A
Boring Location: 48+08. 4.8 Lt.	Casing ID/OD: N/A	Water Level(ft):	None Observed

Definitions: D = Split Spoon Sample; WO = 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 (tsf); $S_{u(LAB)}$ = 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 (#) on Spoon Per 6 in. Increment or RQD (%)	N-value	Casing Blows	Elevation (ft.)	Graphic Log	Visual Description and Remarks	Laboratory Testing Results/ AASHTO and
0	S7		0.85 - 5.00			SSA	169.80		PAVEMENT. 0.40	
							169.35		CONCRETE. 0.85	
									Brown, moist, fine to coarse SAND, little silt, little gravel.	
5							165.20		Bottom of Exploration at 5.00 feet below ground surface. NO REFUSAL 5.00	
10										
15										
20										
25										

Remarks: Offsets are from Existing Roadway CL.

Stratification lines represent approximate boundaries between soil typest 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-B1DD-105

Maine Department of Transportation — HB-B1DD-104

Soil/Rock Exploration Log — US CUSTOMARY UNITS

Project: Elm Street (Route 1) — Location: Biddeford, Maine — PIN: 14814.00

Boring No.: HB-B1DD-104

Driller: MaineDOT	Elevation (ft.): 167.0	Auger ID/OD:	5" Dia.
Operator: E. Giguere/C. Giles	Datum: NAVD 88	Sampler:	Off Flights
Logged By: B. Wilder	Rig Type: CME 45C	Hammer Wt./Fall:	N/A
Date Start/Finish: 5/8/08-5/8/08	Drilling Method: Solid Stem Auger	Core Barrel:	N/A
Boring Location: 50+96. 4.2 Lt.	Casing ID/OD: N/A	Water Level(ft):	None Observed

Definitions: D = Split Spoon Sample; WO = 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 (tsf); $S_{u(LAB)}$ = 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 (#) on Spoon Per 6 in. Increment or RQD (%)	N-value	Casing Blows	Elevation (ft.)	Graphic Log	Visual Description and Remarks	Laboratory Testing Results/ AASHTO and
0	S5		0.80 - 2.20			SSA	166.60		PAVEMENT. 0.40	
							166.20		CONCRETE. 0.80	
									Brown, damp, fine to coarse SAND, some silt, little gravel.	GM207238 A-2-4, SM WC=6.0%
	S6		2.20 - 5.00				164.80		Brown, moist, fine to medium SAND, some silt, trace gravel. 2.20	GM207239 A-2-4, SM WC=21.5%
5							162.00		Bottom of Exploration at 5.00 feet below ground surface. NO REFUSAL 5.00	
10										
15										
20										
25										

Remarks: Offsets are from Existing Roadway CL.

Stratification lines represent approximate boundaries between soil typest 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-B1DD-104

Maine Department of Transportation — HB-B1DD-103

Soil/Rock Exploration Log — US CUSTOMARY UNITS

Project: Elm Street (Route 1) — Location: Biddeford, Maine — PIN: 14814.00

Boring No.: HB-B1DD-103

Driller: MaineDOT	Elevation (ft.): 163.2	Auger ID/OD:	5" Dia.
Operator: E. Giguere/C. Giles	Datum: NAVD 88	Sampler:	Off Flights
Logged By: B. Wilder	Rig Type: CME 45C	Hammer Wt./Fall:	N/A
Date Start/Finish: 5/8/08-5/8/08	Drilling Method: Solid Stem Auger	Core Barrel:	N/A
Boring Location: 52+84. 4.1 Rt.	Casing ID/OD: N/A	Water Level(ft):	None Observed

Definitions: D = Split Spoon Sample; WO = 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 (tsf); $S_{u(LAB)}$ = 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 (#) on Spoon Per 6 in. Increment or RQD (%)	N-value	Casing Blows	Elevation (ft.)	Graphic Log	Visual Description and Remarks	Laboratory Testing Results/ AASHTO and
0	S4		0.90 - 5.00			SSA	163.85		PAVEMENT. 0.35	
							163.30		CONCRETE. 0.90	
									Brown, damp, fine to coarse SAND, some silt, little gravel.	GM207237 A-1-b, SM WC=6.2%
5							158.20		Bottom of Exploration at 5.00 feet below ground surface. NO REFUSAL 5.00	
10										
15										
20										
25										

Remarks: Offsets are from Existing Roadway CL.

Stratification lines represent approximate boundaries between soil typest 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-B1DD-103

Maine Department of Transportation — HB-B1DD-102

Soil/Rock Exploration Log — US CUSTOMARY UNITS

Project: Elm Street (Route 1) — Location: Biddeford, Maine — PIN: 14814.00

Boring No.: HB-B1DD-102

Driller: MaineDOT	Elevation (ft.): 171.4	Auger ID/OD:	5" Dia.
Operator: E. Giguere/C. Giles	Datum: NAVD 88	Sampler:	Off Flights
Logged By: B. Wilder	Rig Type: CME 45C	Hammer Wt./Fall:	N/A
Date Start/Finish: 5/8/08-5/8/08	Drilling Method: Solid Stem Auger	Core Barrel:	N/A
Boring Location: 56+23. 4.1 Rt.	Casing ID/OD: N/A	Water Level(ft):	None Observed

Definitions: D = Split Spoon Sample; WO = 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 (tsf); $S_{u(LAB)}$ = 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 (#) on Spoon Per 6 in. Increment or RQD (%)	N-value	Casing Blows	Elevation (ft.)	Graphic Log	Visual Description and Remarks	Laboratory Testing Results/ AASHTO and
0	CS1		0.00 - 0.40			SSA	171.00		PAVEMENT. (Core sample taken). 0.40	
			0-40				170.50		CONCRETE. (Core sample taken). 0.90	
	S3		0.90 - 5.00						Light brown, damp, fine to medium SAND, little silt, little gravel.	GM207236 A-1-b, SM WC=4.2%
5							166.40		Bottom of Exploration at 5.00 feet below ground surface. NO REFUSAL 5.00	
10										
15										
20										
25										

Remarks: Offsets are from Existing Roadway CL.

Stratification lines represent approximate boundaries between soil typest 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-B1DD-102

Maine Department of Transportation — HB-B1DD-101

Soil/Rock Exploration Log — US CUSTOMARY UNITS

Project: Elm Street (Route 1) — Location: Biddeford, Maine — PIN: 14814.00

Boring No.: HB-B1DD-101

Driller: MaineDOT	Elevation (ft.): 168.7	Auger ID/OD:	5" Dia.
Operator: E. Giguere/C. Giles	Datum: NAVD 88	Sampler:	Off Flights
Logged By: B. Wilder	Rig Type: CME 45C	Hammer Wt./Fall:	N/A
Date Start/Finish: 5/8/08-5/8/08	Drilling Method: Solid Stem Auger	Core Barrel:	N/A
Boring Location: 63+13. 6.4 Lt.	Casing ID/OD: N/A	Water Level(ft):	None Observed

Definitions: D = Split Spoon Sample; WO = 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 (tsf); $S_{u(LAB)}$ = 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 (#) on Spoon Per 6 in. Increment or RQD (%)	N-value	Casing Blows	Elevation (ft.)	Graphic Log	Visual Description and Remarks	Laboratory Testing Results/ AASHTO and
0						SSA	168.40		PAVEMENT. 0.30	
							167.80		CONCRETE. 0.90	
	S1		1.10 - 3.00				167.20		Brown, damp, fine to medium SAND, some gravel. 1.10	GM207234 A-2-4, SM WC=13.7%
									Dark brown, moist, fine to medium SAND, some silt, trace gravel.	
	S2		3.00 - 5.00				165.70		Gold, damp, fine to medium SAND, little gravel, trace silt. 3.00	GM207235 A-1-b, SP-SM WC=4.6
5							163.70		Bottom of Exploration at 5.00 feet below ground surface. NO REFUSAL 5.00	
10										
15										
20										
25										

Remarks: Offsets are from Existing Roadway CL.

Stratification lines represent approximate boundaries between soil typest 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-B1DD-101

STATE OF MAINE
DEPARTMENT OF TRANSPORTATION

STP-1481(400)X

WIN 14814.00

HIGHWAY PLANS

	BY	DATE
PROJ. MANAGER	ERNEST MARTIN	
DESIGN-DETAILED	K.GROSS	JAN 2011
CHECKED-REVIEWED	T. WHITE	
DESIGN2-DETAILED2		
DESIGN3-DETAILED3		
REVISIONS 1		
REVISIONS 2		
REVISIONS 3		
REVISIONS 4		
FIELD CHANGES		

SIGNATURE

P.E. NUMBER

DATE

BIDDEFORD
ROUTE 1

BORING LOGS

SHEET NUMBER

10

OF 102

Filename: ...\MSTA\011_Boring Logs2.dgn Division: HIGHWAY Username: jeason Date:6/4/2012

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

Project: Route 1, Detention Basin
Location: Biddeford, Maine

Boring No.: HB-B1DD-201, B-1
PIN: 14814.00

Driller:	Northern Test Boring	Elevation (ft.): 165.0	Auger ID/OD: 2.75"/6.25"
Operator:	Mike/Mike	Datum: NAVD88	Sampler: Standard Split Spoon
Logged By:	B. Wilder	Rig Type: CME 45C	Hammer Wt./Fall: 140#/30"
Date Start/Finish:	1/19/11 09:30-10:30	Drilling Method: Hollow Stem Auger	Core Barrel: N/A
Boring Location:	50+79.3, 201.7 Rt.	Casing ID/OD: N/A	Water Level*: 28.2 ft bgs.
Hammer Efficiency Factor: 0.678		Hammer Type: Automatic ☒ Hydraulic ☐	Rope & Cathead ☐

Abbreviations: D = Split Spoon Sample; MS = Unsuccessful Split Spoon Sample attempt; U = Thin Wall Tube Sample; MU = Unsuccessful Thin Wall Tube Sample attempt; V = Insitu Vane Shear Test; MV = Unsuccessful Insitu Vane Shear Test attempt; R = Rock Core Sample; SSA = Solid Stem Auger; HSA = Hollow Stem Auger; RC = Roller Cone; WOH = Weight of 140lb. hammer; PP = Pocket Penetrometer; WOR/C = weight of rods or casing; s_u = Insitu Field Vane Shear Strength (psf); s_{ulab} = Lab Vane Shear Strength (psf); t_v = Pocket Torvane Shear Strength (psf); q_u = Unconfined Compressive Strength (tsf); Nuncorrected = Raw Field SPT N-value; Hammer Efficiency Factor = Annual Calibration Value; N_{60} = SPT N-uncorrected corrected for Hammer efficiency & Borehole diameter; N_{60} = Hammer Efficiency Factor/85%*Nuncorrected; WC = water content, percent; LL = Liquid Limit; PL = Plastic Limit; PI = Plasticity Index; G = Grain Size Analysis; C = Consolidation Test

Depth (ft.)	Sample No.	Rec./Rec. (in.)	Sample Depth (ft.)	Blows/6 in. Sheer Strength (psf) or RQD (%)	N-uncorrected	N_{60}	Casing Blows	Elevation (ft.)	Graphic Log	Visual Description and Remarks	Laboratory Testing Results/ AASHTO and Unified Class
							HSA	164.70		TOPSOIL. (Soil). 0.30	
5	MD	1.2/0	5.00 - 5.10	2511.2*1	---					Failed sample attempt. Cobble from 5.0-5.6 ft bgs.	
10	10	24/10	10.00 - 12.00	4/3/2/3	5	6				Brown, moist, loose, fine to coarse SAND, some gravel, little silt. (Fill).	GM239976 A-1-b, SM-SW WC=7.7%
								151.00		14.00	
15	20	24/20	15.00 - 17.00	4/6/9/12	15	17				Brown, damp, medium dense, fine to medium SAND, trace silt, trace gravel. (Native Soil).	GM239977 A-3, SP WC=4.5%
20	30	24/18	20.00 - 22.00	14/17/17/18	34	38				Similar to above.	
25	40	18/18	30.00 - 31.50	20/21/22	43	49		135.00		Brown, wet, dense, fine to coarse SAND, some gravel, trace silt. 30.00	
								133.50		31.50	
										Bottom of Exploration at 31.50 feet below ground surface. NO REFUSAL	
40											
45											
50											

Remarks:
Auto Hammer #283

Stratification lines represent approximate boundaries between soil typest 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-B1DD-201, B-1

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

Project: Route 1, Detention Basin
Location: Biddeford, Maine

Boring No.: HB-B1DD-202, B-2
PIN: 14814.00

Driller:	Northern Test Boring	Elevation (ft.): 167.5	Auger ID/OD: 2.75"/6.25"
Operator:	Mike/Mike	Datum: NAVD88	Sampler: Standard Split Spoon
Logged By:	B. Wilder	Rig Type: CME 45C	Hammer Wt./Fall: 140#/30"
Date Start/Finish:	1/19/11 10:30-11:30	Drilling Method: Hollow Stem Auger	Core Barrel: N/A
Boring Location:	51+35, 220.4 Rt.	Casing ID/OD: N/A	Water Level*: None Observed
Hammer Efficiency Factor: 0.678		Hammer Type: Automatic ☒ Hydraulic ☐	Rope & Cathead ☐

Abbreviations: D = Split Spoon Sample; MS = Unsuccessful Split Spoon Sample attempt; U = Thin Wall Tube Sample; MU = Unsuccessful Thin Wall Tube Sample attempt; V = Insitu Vane Shear Test; MV = Unsuccessful Insitu Vane Shear Test attempt; R = Rock Core Sample; SSA = Solid Stem Auger; HSA = Hollow Stem Auger; RC = Roller Cone; WOH = Weight of 140lb. hammer; PP = Pocket Penetrometer; WOR/C = weight of rods or casing; s_u = Insitu Field Vane Shear Strength (psf); s_{ulab} = Lab Vane Shear Strength (psf); t_v = Pocket Torvane Shear Strength (psf); q_u = Unconfined Compressive Strength (tsf); Nuncorrected = Raw Field SPT N-value; Hammer Efficiency Factor = Annual Calibration Value; N_{60} = SPT N-uncorrected corrected for Hammer efficiency & Borehole diameter; N_{60} = Hammer Efficiency Factor/85%*Nuncorrected; WC = water content, percent; LL = Liquid Limit; PL = Plastic Limit; PI = Plasticity Index; G = Grain Size Analysis; C = Consolidation Test

Depth (ft.)	Sample No.	Rec./Rec. (in.)	Sample Depth (ft.)	Blows/6 in. Sheer Strength (psf) or RQD (%)	N-uncorrected	N_{60}	Casing Blows	Elevation (ft.)	Graphic Log	Visual Description and Remarks	Laboratory Testing Results/ AASHTO and Unified Class
							HSA	167.20		TOPSOIL. (Soil). 0.30	
5											
10	10	24/18	10.00 - 12.00	3/3/6/8	9	10				Olive-brown, wet, loose, SILT, some sand, trace gravel. (Fill).	GM239978 A-4, ML WC=25.2%
15											
20	20	24/18	20.00 - 22.00	4/31/45/9	76	86		147.00		Dark brown, wet, silty, fine to medium SAND, gravel. (Fill). 20.50	
								146.00		Wood layer from 20.5-21.5 ft bgs. 21.50	
								144.50		23.00	
25	30	24/16	25.00 - 27.00	11/12/16/19	28	32				Brown, damp, medium dense, fine to medium SAND, trace silt, trace gravel. (Native Soil).	GM239980 A-3, SP-SM WC=3.9%
								140.50		27.00	
										Bottom of Exploration at 27.00 feet below ground surface. NO REFUSAL	
30											
35											
40											
45											
50											

Remarks:
Auto Hammer #283

Stratification lines represent approximate boundaries between soil typest 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-B1DD-202, B-2

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

Project: Route 1, Detention Basin
Location: Biddeford, Maine

Boring No.: HB-B1DD-203, B-3
PIN: 14814.00

Driller:	Northern Test Boring	Elevation (ft.): 167.4	Auger ID/OD: 2.75"/6.25"
Operator:	Mike/Mike	Datum: NAVD88	Sampler: Standard Split Spoon
Logged By:	B. Wilder	Rig Type: CME 45C	Hammer Wt./Fall: 140#/30"
Date Start/Finish:	1/19/11 12:00-13:00	Drilling Method: Hollow Stem Auger	Core Barrel: N/A
Boring Location:	51+79.8, 239.5 Rt.	Casing ID/OD: N/A	Water Level*: None Observed
Hammer Efficiency Factor: 0.678		Hammer Type: Automatic ☒ Hydraulic ☐	Rope & Cathead ☐

Abbreviations: D = Split Spoon Sample; MS = Unsuccessful Split Spoon Sample attempt; U = Thin Wall Tube Sample; MU = Unsuccessful Thin Wall Tube Sample attempt; V = Insitu Vane Shear Test; MV = Unsuccessful Insitu Vane Shear Test attempt; R = Rock Core Sample; SSA = Solid Stem Auger; HSA = Hollow Stem Auger; RC = Roller Cone; WOH = Weight of 140lb. hammer; PP = Pocket Penetrometer; WOR/C = weight of rods or casing; s_u = Insitu Field Vane Shear Strength (psf); s_{ulab} = Lab Vane Shear Strength (psf); t_v = Pocket Torvane Shear Strength (psf); q_u = Unconfined Compressive Strength (tsf); Nuncorrected = Raw Field SPT N-value; Hammer Efficiency Factor = Annual Calibration Value; N_{60} = SPT N-uncorrected corrected for Hammer efficiency & Borehole diameter; N_{60} = Hammer Efficiency Factor/85%*Nuncorrected; WC = water content, percent; LL = Liquid Limit; PL = Plastic Limit; PI = Plasticity Index; G = Grain Size Analysis; C = Consolidation Test

Depth (ft.)	Sample No.	Rec./Rec. (in.)	Sample Depth (ft.)	Blows/6 in. Sheer Strength (psf) or RQD (%)	N-uncorrected	N_{60}	Casing Blows	Elevation (ft.)	Graphic Log	Visual Description and Remarks	Laboratory Testing Results/ AASHTO and Unified Class
0	10	24/18	0.00 - 2.00	6/6/8/6	14	16	HSA			Brown, moist, medium dense, fine to coarse SAND, some silt, little gravel. (Fill).	GM239981 A-2-4, SM WC=12.5%
5	20	24/12	5.00 - 7.00	3/3/4/4	7	8		161.40		Olive-gray, loose, silty, fine to medium SAND, trace gravel, little clay. (Fill). 6.00	
10	30	24/10	10.00 - 12.00	2/2/2/11	4	5		157.40		Olive-gray, wet, loose, silty, fine to medium SAND, old pavement, trace gravel. (Fill). 10.00	
15	40	24/14	15.00 - 17.00	2/2/3/2	5	6		153.40		14.00 Olive, wet, loose, fine to coarse SAND, some silt, little gravel. (Fill).	GM239982 A-1-b, SM WC=14.1%
20	50	24/16	20.00 - 22.00	4/3/3/3	6	7				Similar to above.	
25	60	24/20	25.00 - 27.00	2/2/3/5	5	6		143.40		Grey-brown, wet, loose, sandy SILT, trace gravel, brick fragments. (Fill). 24.00	GM239983 A-4, SM WC=20.8%
30	70	24/20	30.00 - 32.00	13/18/25/27	43	49		135.40		Brown, wet, dense, fine to coarse SAND, trace gravel, trace silt. 29.00	GM239984 A-1-b, SP-SM WC=15.0%
										32.00	
35										Bottom of Exploration at 32.00 feet below ground surface. NO REFUSAL	
40											
45											
50											

Remarks:
Auto Hammer #283

Stratification lines represent approximate boundaries between soil typest 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-B1DD-203, B-3

STATE OF MAINE
DEPARTMENT OF TRANSPORTATION

STP-1481(400)X

WIN
14814.00

HIGHWAY PLANS

	BY	DATE
PROJ. MANAGER	ERNIE MARTIN	
DESIGN-DETAILED	T.WHITE	JAN 2011
CHECKED-REVIEWED	K.GROSS	
DESIGN2-DETAILED2		
DESIGN3-DETAILED3		
REVISIONS 1		
REVISIONS 2		
REVISIONS 3		
REVISIONS 4		
FIELD CHANGES		

SIGNATURE

P.E. NUMBER

DATE

BIDDEFORD
ROUTE 1

BORING LOGS

SHEET NUMBER

11

OF 102

Filename: ...\MSTA\012_Boring Logs3.dgn Division: HIGHWAY Username: jeason Date:6/4/2012

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

Project: Route 1, Detention Basin
Location: Biddeford, Maine
Boring No.: HB-BIDD-204, B-
PIN: 14814.00

Driller:	Northern Test Boring	Elevation (ft.): 162.6	Auger ID/OD: 2.75"/6.25"
Operator:	Mike/Mike	Datum: NAVD88	Sampler: Standard Split Spoon
Logged By:	B. Wilder	Rig Type: CME 45C	Hammer Wt./Fall: 140#/30"
Date Start/Finish:	1/19/11 13:00-13:30	Drilling Method: Hollow Stem Auger	Core Barrel: N/A
Boring Location:	51+15.5, 300.1 Rt.	Casing ID/OD: N/A	Water Level*: None Observed
Hammer Efficiency Factor: 0.678		Hammer Type: Automatic ☒ Hydraulic ☐ Rope & Cathead ☐	

Definitions: D = Split Spoon Sample; WO = Unsuccessful Split Spoon Sample attempt; U = Thin Wall Tube Sample; WU = Unsuccessful Thin Wall Tube Sample attempt; V = Insitu Vane Shear Test; PP = Pocket Penetrometer; WV = Unsuccessful Insitu Vane Shear Test attempt; R = Rock Core Sample; SSA = Solid Stem Auger; HSA = Hollow Stem Auger; RC = Roller Cone; WOH = weight of 140lb. hammer; WOR/C = weight of rods or casing; WOP = Weight of one person; S_u = Insitu Field Vane Shear Strength (psf); T_v = Pocket Torvane Shear Strength (psf); q_u = Unconfined Compressive Strength (ksf); N=uncorrected = Raw Field SPT N-value; Hammer Efficiency Factor = Annual Calibration Value; N_{60} = SPT N-uncorrected corrected for hammer efficiency; N_{60} = Hammer Efficiency Factor/65%*N-uncorrected; $S_{u(lab)}$ = Lab Vane Shear Strength (psf); WC = water content, percent; LL = Liquid Limit; PL = Plastic Limit; PI = Plasticity Index; G = Grain Size Analysis; C = Consolidation Test

Depth (ft.)	Sample No.	Pen./Rec. (in.)	Sample Depth (ft.)	Blows (#) on Sleeve Strength (psf) or RQD (%)	N-uncorrected	N_{60}	Casing Blows	Elevation (ft.)	Graphic Log	Visual Description and Remarks	Laboratory Testing Results* AASHTO and
							HSA	162.30		TOPSOIL. (Soat.	
										0.30	
										Cobble from 3.0-3.5 ft bgs.	
5	10	24/14	5.00 - 7.00	2/3/2/5	5	6				Brown, moist, loose, GRAVEL, some sand, some silt, granite pieces. (Fill).	GM239985 A-2-4, GM WC=9.0%
10	20	24/18	10.00 - 12.00	1/3/8/4	11	12				Cobble from 9.5-10.0 ft bgs. Similar to above, except medium dense. (Fill).	
15	30	9.6/6	15.00 - 15.80	3/50(3.6")	---			146.80		Similar to above. (Fill).	
								15.80		Bottom of Exploration at 15.80 feet below ground surface. BOULDER or GRANITE BLOCK REFUSAL	
20											
25											

Remarks: Auto Hammer #283

Stratification lines represent approximate boundaries between soil typest 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-BIDD-204, B-4

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

Project: Route 1, Detention Basin
Location: Biddeford, Maine
Boring No.: HB-BIDD-205, B-
PIN: 14814.00

Driller:	Northern Test Boring	Elevation (ft.): 159.0	Auger ID/OD: 2.75"/6.25"
Operator:	Mike/Mike	Datum: NAVD88	Sampler: Standard Split Spoon
Logged By:	B. Wilder	Rig Type: CME 45C	Hammer Wt./Fall: 140#/30"
Date Start/Finish:	1/19/11 13:30-14:30	Drilling Method: Hollow Stem Auger	Core Barrel: N/A
Boring Location:	50+74.5, 322.1 Rt.	Casing ID/OD: N/A	Water Level*: None Observed
Hammer Efficiency Factor: 0.678		Hammer Type: Automatic ☒ Hydraulic ☐ Rope & Cathead ☐	

Definitions: D = Split Spoon Sample; WO = Unsuccessful Split Spoon Sample attempt; U = Thin Wall Tube Sample; WU = Unsuccessful Thin Wall Tube Sample attempt; V = Insitu Vane Shear Test; PP = Pocket Penetrometer; WV = Unsuccessful Insitu Vane Shear Test attempt; R = Rock Core Sample; SSA = Solid Stem Auger; HSA = Hollow Stem Auger; RC = Roller Cone; WOH = weight of 140lb. hammer; WOR/C = weight of rods or casing; WOP = Weight of one person; S_u = Insitu Field Vane Shear Strength (psf); T_v = Pocket Torvane Shear Strength (psf); q_u = Unconfined Compressive Strength (ksf); N=uncorrected = Raw Field SPT N-value; Hammer Efficiency Factor = Annual Calibration Value; N_{60} = SPT N-uncorrected corrected for hammer efficiency; N_{60} = Hammer Efficiency Factor/65%*N-uncorrected; $S_{u(lab)}$ = Lab Vane Shear Strength (psf); WC = water content, percent; LL = Liquid Limit; PL = Plastic Limit; PI = Plasticity Index; G = Grain Size Analysis; C = Consolidation Test

Depth (ft.)	Sample No.	Pen./Rec. (in.)	Sample Depth (ft.)	Blows (#) on Sleeve Strength (psf) or RQD (%)	N-uncorrected	N_{60}	Casing Blows	Elevation (ft.)	Graphic Log	Visual Description and Remarks	Laboratory Testing Results* AASHTO and
							HSA	158.10		TOPSOIL. (Soat.	
										0.30	
5	10	24/15	5.00 - 7.00	3/2/4/3	6	7				Olive-brown, wet, loose, SILT, some sand, little gravel, granite fragments. (Fill).	GM239986 A-4, ML WC=24.8%
10	20	24/10	10.00 - 12.00	2/3/4/3	7	8				Similar to above. (Fill).	
15	30	24/10	15.00 - 17.00	4/3/4/40	7	8		141.90		Similar to above. (Fill).	
								17.10		Bottom of Exploration at 17.10 feet below ground surface. BOULDER or GRANITE BLOCK REFUSAL	
20											
25											

Remarks: Auto Hammer #283

Stratification lines represent approximate boundaries between soil typest 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.

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Boring No.: HB-BIDD-205, B-5

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

Project: Route 1, Detention Basin
Location: Biddeford, Maine
Boring No.: HB-BIDD-206, B-
PIN: 14814.00

Driller:	Northern Test Boring	Elevation (ft.): 142.5	Auger ID/OD: 2.75"/6.25"
Operator:	Mike/Mike	Datum: NAVD88	Sampler: Standard Split Spoon
Logged By:	B. Wilder	Rig Type: CME 45C	Hammer Wt./Fall: 140#/30"
Date Start/Finish:	1/19/11 14:30-15:30	Drilling Method: Hollow Stem Auger	Core Barrel: N/A
Boring Location:	50+60, 434.4 Rt.	Casing ID/OD: N/A	Water Level*: 8.8 ft bgs.
Hammer Efficiency Factor: 0.678		Hammer Type: Automatic ☒ Hydraulic ☐ Rope & Cathead ☐	

Definitions: D = Split Spoon Sample; WO = Unsuccessful Split Spoon Sample attempt; U = Thin Wall Tube Sample; WU = Unsuccessful Thin Wall Tube Sample attempt; V = Insitu Vane Shear Test; PP = Pocket Penetrometer; WV = Unsuccessful Insitu Vane Shear Test attempt; R = Rock Core Sample; SSA = Solid Stem Auger; HSA = Hollow Stem Auger; RC = Roller Cone; WOH = weight of 140lb. hammer; WOR/C = weight of rods or casing; WOP = Weight of one person; S_u = Insitu Field Vane Shear Strength (psf); T_v = Pocket Torvane Shear Strength (psf); q_u = Unconfined Compressive Strength (ksf); N=uncorrected = Raw Field SPT N-value; Hammer Efficiency Factor = Annual Calibration Value; N_{60} = SPT N-uncorrected corrected for hammer efficiency; N_{60} = Hammer Efficiency Factor/65%*N-uncorrected; $S_{u(lab)}$ = Lab Vane Shear Strength (psf); WC = water content, percent; LL = Liquid Limit; PL = Plastic Limit; PI = Plasticity Index; G = Grain Size Analysis; C = Consolidation Test

Depth (ft.)	Sample No.	Pen./Rec. (in.)	Sample Depth (ft.)	Blows (#) on Sleeve Strength (psf) or RQD (%)	N-uncorrected	N_{60}	Casing Blows	Elevation (ft.)	Graphic Log	Visual Description and Remarks	Laboratory Testing Results* AASHTO and
	10	24/12	0.00 - 2.00	7/12/40/39	52	59	HSA	140.00		Brown, damp, dense, fine to coarse SAND, some gravel, little silt.	GM239987 A-1-b, SM WC=7.2%
										2.50	
5	20	24/20	5.00 - 7.00	13/15/16/15	31	35				Light brown, damp, dense, fine to coarse SAND, little gravel, trace silt.	GM239988 A-1-b, SP-SM WC=3.7%
10	30	24/18	10.00 - 12.00	7/12/13/13	25	28		130.50		Similar to above, except medium dense.	
								12.00		Bottom of Exploration at 12.00 feet below ground surface. NO REFUSAL	
15											
20											
25											

Remarks: Auto Hammer #283

Stratification lines represent approximate boundaries between soil typest 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-BIDD-206, B-6

STATE OF MAINE
DEPARTMENT OF TRANSPORTATION

STP-1481(400)X

WIN 14814.00

HIGHWAY PLANS

PROJ. MANAGER	ERNIE MARTIN	BY	DATE
DESIGN-DETAILED	K.GROSS	T. WHITE	JAN 2011
CHECKED-REVIEWED			
DESIGN2-DETAILED2			
DESIGN3-DETAILED3			
REVISIONS 1			
REVISIONS 2			
REVISIONS 3			
REVISIONS 4			
FIELD CHANGES			

SIGNATURE

P.E. NUMBER

DATE

BIDDEFORD
ROUTE 1

BORING LOGS

SHEET NUMBER

12

OF 102

GRANITE CURB GEOMETRIC POINTS			
8 FT TERMINAL ENDS - CIRCULAR			
POINT	NORTHING	EASTING	LOCATION
2010	234696.5851	957241.0505	STA 34+99.42, 25.06' LT ML
2201	234689.4916	957237.4030	STA 35+07.33, 26.12' LT ML
2039	234300.2283	956964.9513	STA 39+82.24, 25.99 LT ML
2040	234292.2563	956964.6884	STA 39+88.89, 30.39 LT ML
2048	234247.4270	956925.0654	STA 40+48.33, 24.06' LT ML
2049	234241.6043	956919.6140	STA 40+56.23, 23.00' LT ML

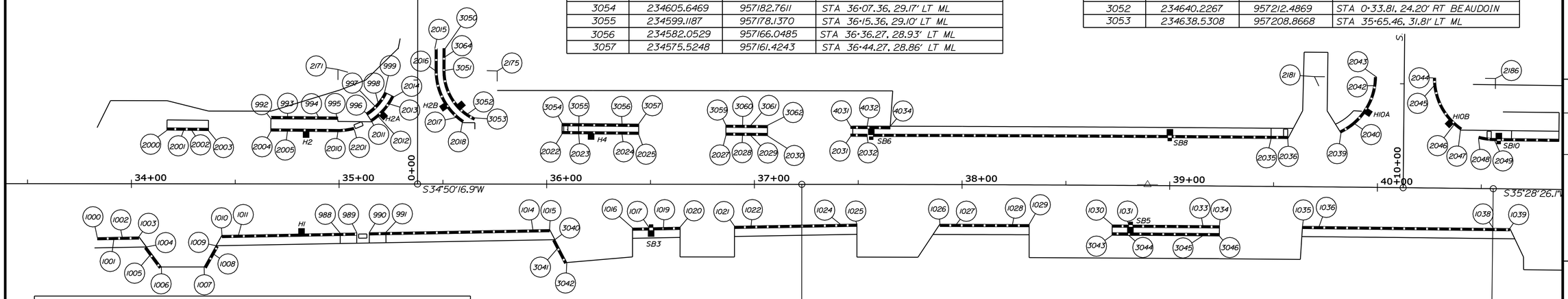
GRANITE CURB GEOMETRIC POINTS			
POINT	NORTHING	EASTING	LOCATION
2015	234635.3051	957247.3738	STA 0+65.26, 8.30' RT BEAUDOIN
2016	234641.4925	957238.4839	STA 0+54.43, 8.31' RT BEAUDOIN
4034	234476.6269	957091.5042	STA 37+64.13, 28.00' LT ML
3050	234631.1990	957244.5207	STA 0+65.26, 13.30' RT BEAUDOIN
3051	234637.3837	957235.6276	STA 0+54.43, 13.31' RT BEAUDOIN
3064	234633.4837	957241.2374	STA 0+61.26, 13.30' RT BEAUDOIN

GRANITE CURB GEOMETRIC POINTS				
CENTER OF RADIUS				
POINT	NORTHING	EASTING	LOCATION	RADIUS
2171	234679.4413	957265.6694	STA 34+99.43, 55.06' LT ML	30'
2175	234616.8696	957221.3459	STA 35+76.11, 54.43' LT ML	30'
2181	234295.2617	956994.5500	STA 39+69.20, 53.01' LT ML	30'
2186	234224.1940	956944.0451	STA 40+56.23, 53.00' LT ML	30'

GRANITE CURB GEOMETRIC POINTS			
8 FT TERMINAL ENDS - STRAIGHT			
POINT	NORTHING	EASTING	LOCATION
2000	234763.7402	957288.6185	STA 34+17.13, 25.74' LT ML
2001	234757.2120	957283.9944	STA 34+25.13, 25.67' LT ML
2002	234753.9473	957281.6819	STA 34+29.13, 25.64' LT ML
2003	234747.4191	957277.0578	STA 34+37.13, 25.57' LT ML
2004	234722.9375	957259.7167	STA 34+67.13, 25.33' LT ML
992	234719.5049	957264.6380	STA 34+67.13, 31.33' LT ML
993	234712.9766	957260.0138	STA 34+75.13, 31.26' LT ML
994	234699.6844	957250.5986	STA 34+91.42, 31.13' LT ML
995	234693.1562	957245.9744	STA 34+99.42, 31.06' LT ML
2005	234716.4093	957255.0926	STA 34+75.13, 25.26' LT ML
2022	234608.5033	957178.6572	STA 36+07.36, 24.17' LT ML
2023	234601.9751	957174.0330	STA 36+15.36, 24.10' LT ML
2024	234584.9095	957161.9446	STA 36+36.27, 23.93' LT ML
2025	234578.3813	957157.3205	STA 36+44.27, 23.86' LT ML
2027	234544.1071	957133.0426	STA 36+86.27, 23.51' LT ML
2028	234537.5790	957128.4184	STA 36+94.27, 23.45' LT ML
2029	234534.3145	957126.1060	STA 36+98.27, 23.42' LT ML
2030	234527.7863	957121.4818	STA 37+06.27, 23.35' LT ML
2031	234494.2764	957097.7453	STA 37+47.32, 23.02' LT ML
2032	234487.7634	957093.1744	STA 37+55.27, 23.00' LT ML
2035	234329.4223	956981.9585	STA 39+48.62, 23.00' LT ML
2036	234322.8914	956977.3382	STA 39+56.62, 23.00' LT ML
4031	234491.4177	957101.8522	STA 37+47.31, 28.02' LT ML
4032	234484.8672	957097.2503	STA 37+55.31, 28.00' LT ML
3054	234605.6469	957182.7611	STA 36+07.36, 29.17' LT ML
3055	234599.1187	957178.1370	STA 36+15.36, 29.10' LT ML
3056	234582.0529	957166.0485	STA 36+36.27, 28.93' LT ML
3057	234575.5248	957161.4243	STA 36+44.27, 28.86' LT ML

GRANITE CURB GEOMETRIC POINTS			
8 FT TERMINAL ENDS - STRAIGHT			
POINT	NORTHING	EASTING	LOCATION
3059	234541.2508	957137.1464	STA 36+86.27, 28.52' LT ML
3060	234534.7222	957132.5222	STA 36+94.27, 28.45' LT ML
3061	234531.4580	957130.2097	STA 36+98.27, 28.42' LT ML
3062	234524.9299	957125.5855	STA 37+06.27, 28.35' LT ML

GRANITE CURB GEOMETRIC POINTS			
4 FT TERMINAL ENDS - CIRCULAR			
POINT	NORTHING	EASTING	LOCATION
2011	234680.3597	957235.6841	STA 0+29.92, 22.00' LT BEAUDOIN
2012	234676.3652	957235.8275	STA 0+32.32, 18.80' LT BEAUDOIN
2013	234668.4342	957237.7616	STA 0+38.44, 13.39' LT BEAUDOIN
996	234680.2066	957240.6811	STA 0+34.11, 24.72' LT BEAUDOIN
997	234676.2157	957240.8783	STA 0+36.55, 21.56' LT BEAUDOIN
998	234670.8921	957242.1766	STA 0+40.66, 17.93' LT BEAUDOIN
2014	234664.8219	957239.4725	STA 0+41.91, 11.41' LT BEAUDOIN
999	234667.2585	957243.8387	STA 0+44.10, 15.90' LT BEAUDOIN
2017	234646.0421	957214.3486	STA 0+32.02, 18.36' RT BEAUDOIN
2018	234644.8530	957210.5325	STA 35+59.32, 29.56' LT ML
2042	234273.0954	956974.0826	STA 10+49.01, 13.53 LT WACO
2043	234270.7858	956977.1810	STA 10+53.00, 13.26' LT WACO
2044	234248.6498	956961.4208	STA 10+52.97, 13.91' RT WACO
2045	234250.7426	956958.0155	STA 10+48.98, 14.18' RT WACO
2046	234253.3840	956937.1211	STA 40+36.50, 30.43' LT
2047	234252.2045	956933.3021	STA 40+39.67, 28.00' LT ML
3052	234640.2267	957212.4869	STA 0+33.81, 24.20' RT BEAUDOIN
3053	234638.5308	957208.8668	STA 35+65.46, 31.81' LT ML



GRANITE CURB GEOMETRIC POINTS			
8 FT TERMINAL ENDS - STRAIGHT			
POINT	NORTHING	EASTING	LOCATION
988	234723.4691	957200.3979	STA 35+00.60, 23.66' RT ML
989	234716.8382	957195.9641	STA 35+08.60, 23.52' RT ML
990	234711.8348	957192.6184	STA 35+14.60, 23.40' RT ML
991	234705.1652	957188.1586	STA 35+22.60, 23.25' RT ML
1000	234820.7203	957265.4271	STA 33+83.61, 25.85' RT ML
1001	234814.0701	957260.9803	STA 33+91.61, 25.70' RT ML
1002	234810.7412	957258.7544	STA 33+95.61, 25.62' RT ML
1003	234804.0910	957254.3076	STA 34+03.61, 25.47' RT ML
1010	234770.8102	957232.0537	STA 34+43.64, 24.73' RT ML
1011	234764.1600	957227.6068	STA 34+51.64, 24.58' RT ML
1014	234646.3310	957148.8178	STA 35+93.36, 21.93' RT ML
1015	234639.6807	957144.3710	STA 36+01.36, 21.78' RT ML
1016	234606.4278	957122.1357	STA 36+41.35, 21.04' RT ML
1017	234599.7776	957117.6889	STA 36+49.35, 20.89' RT ML
1019	234594.0485	957113.8580	STA 36+56.24, 20.76' RT ML
1020	234587.3983	957109.4112	STA 36+64.24, 20.61' RT ML
1021	234565.6285	957094.8543	STA 36+90.42, 20.12' RT ML
1022	234558.9782	957090.4075	STA 36+98.42, 19.97' RT ML
1024	234523.2509	957066.5176	STA 37+41.41, 19.17' RT ML
1025	234516.6006	957062.0707	STA 37+49.41, 19.01' RT ML
1026	234483.8181	957039.1962	STA 37+89.41, 19.00' RT ML
1027	234477.2627	957034.6107	STA 37+97.41, 19.00' RT ML
1028	234455.1887	957019.1509	STA 38+24.38, 19.00' RT ML
1029	234448.6386	957014.5578	STA 38+32.38, 19.00' RT ML
1030	234415.9067	956991.5661	STA 38+72.42, 19.00' RT ML
1031	234409.3640	956986.9625	STA 38+80.41, 19.00' RT ML
1033	234380.2462	956966.4428	STA 39+16.06, 19.00' RT ML
1034	234373.7102	956961.8297	STA 39+24.06, 19.00' RT ML
1035	234341.0485	956938.7379	STA 39+64.09, 19.00' RT ML
1036	234334.5199	956934.1144	STA 39+72.10, 19.00' RT ML

GRANITE CURB GEOMETRIC POINTS			
8 FT TERMINAL ENDS - STRAIGHT			
POINT	NORTHING	EASTING	LOCATION
1038	234266.1723	956885.5307	STA 40+56.00, 19.00' RT ML
1039	234259.6554	956880.8906	STA 40+64.00, 19.00' RT ML
3043	234418.7854	956987.4741	STA 38+72.41, 24.00' RT ML
3044	234412.2427	956982.8705	STA 38+80.42, 24.00' RT ML
3045	234383.1318	956962.3555	STA 39+16.06, 24.00' RT ML
3046	234376.5959	956957.7424	STA 39+24.06, 24.00' RT ML

GRANITE CURB GEOMETRIC POINTS			
4 FT TERMINAL ENDS - STRAIGHT			
POINT	NORTHING	EASTING	LOCATION
1004	234803.8923	957248.1599	STA 34+07.29, 30.41' RT ML
1005	234803.7630	957244.1619	STA 34+09.68, 33.61' RT ML
1008	234779.6133	957227.7699	STA 34+38.86, 33.27' RT ML
1009	234776.0166	957229.5202	STA 34+40.81, 29.78' RT ML
3040	234640.3861	957138.8278	STA 36+03.94, 26.74' RT ML
3041	234640.8910	957134.8598	STA 36+05.80, 30.28' RT ML

GRANITE CURB GEOMETRIC POINTS			
POINT	NORTHING	EASTING	LOCATION
1006	234803.5056	957236.2005	STA 34+14.44, 40.00' RT ML
1007	234786.5459	957224.3964	STA 34+35.10, 40.00' RT ML
3042	234641.9551	957126.4981	STA 36+09.70, 37.75' RT ML
4034	234476.6323	957091.1975	STA 37+65.35, 27.99' LT ML

GRANITE CURB GEOMETRIC POINTS			
CATCH BASIN HEADERS AND SPECIAL BASINS			
POINT	NORTHING	EASTING	LOCATION
HI	234738.9640	957210.7590	STA 34+81.94, 24.01 RT ML
H2	234709.0645	957249.8900	STA 34+84.13, 25.19 LT ML
H2A	234674.3209	957236.1010	STA 35+20.48, 33.69 LT ML
H2B	234646.8667	957221.7605	STA 35+51.25, 37.63 LT ML
H4	234597.0786	957170.5646	STA 36+21.36, 24.05 LT ML
SB3	234599.0102	957117.1757	STA 36+50.29, 20.87 RT ML
SB6	234486.9770	957092.6249	STA 37+56.22, 23.00 LT ML
SB5	234408.6030	956986.4269	STA 38+81.35, 19.00 RT ML
SB8	234369.2755	957010.0954	STA 38+99.86, 23.00 LT ML
HIOA	234284.2384	956966.6352	STA 39+94.30, 36.61 LT ML
HIOB	234253.7805	956939.0816	STA 40+35.04, 31.79 LT ML
SBIO	234240.0318	956918.4933	STA 40+58.16, 23.00 LT ML

CURVE DATA

PI = 38+89.32
D = 0° - 11' - 27.5"
Δ = 0° - 38' - 09.2" Rt.
R = 30000.00'
L = 332.96'
T = 166.48'
E = 0.46'

STATE OF MAINE
DEPARTMENT OF TRANSPORTATION

STP-1481(400)X

WIN
14814.00

HIGHWAY PLANS

	BY	DATE
SIGNATURE		
4226		
P.E. NUMBER		
5/23/12		
DATE		
PROJ. MANAGER	ERNIE MARTIN	
DESIGN-DETAILED	RCL	5-12
CHECKED-REVIEWED	ALG	5-12
DESIGN2-DETAILED2		
DESIGN3-DETAILED3		
REVISIONS 1		
REVISIONS 2		
REVISIONS 3		
REVISIONS 4		
FIELD CHANGES		

BIDDEFORD
ROUTE 1

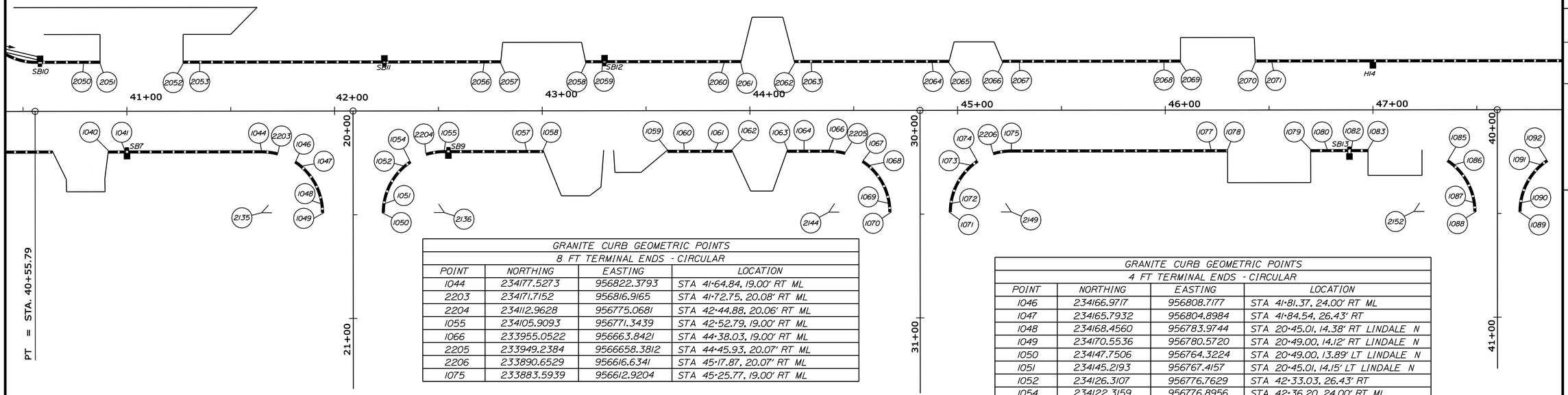
CURB LAYOUT PLAN

SHEET NUMBER
13
OF 102

Filename: ...\MSTA\013_curb sheet_01.dgn Division: HIGHWAY Username: jeason Date:6/4/2012

GRANITE CURB GEOMETRIC POINTS			
8 FT TERMINAL ENDS - STRAIGHT			
POINT	NORTHING	EASTING	LOCATION
2050	234222.9749	9569906.3275	STA 40+79.11, 22.99' LT ML
2051	234216.4641	956901.6789	STA 40+87.11, 22.98' LT ML
2052	234183.8794	956878.4789	STA 41+27.11, 23.00' LT ML
2053	234177.3644	956873.8362	STA 41+35.11, 23.00' LT ML
2056	234065.8872	956794.3968	STA 42+72.00, 23.00' LT ML
2057	234059.3721	956789.7542	STA 42+80.00, 23.00' LT ML
2058	234025.9337	956765.9257	STA 43+21.06, 23.00' LT ML
2059	234019.4187	956761.2830	STA 43+29.06, 23.00' LT ML
2060	233971.7449	956727.3104	STA 43+87.60, 23.00' LT ML
2061	233965.2298	956722.6677	STA 43+95.60, 23.00' LT ML
2062	233944.0560	956707.5791	STA 44+21.60, 23.00' LT ML
2063	233937.5409	956702.9364	STA 44+29.60, 23.00' LT ML
2064	233890.1636	956669.1751	STA 44+87.78, 23.00' LT ML
2065	233833.6486	956664.5324	STA 44+95.78, 23.00' LT ML
2066	233862.4747	956649.4438	STA 45+21.78, 23.00' LT ML
2067	233855.9597	956644.8011	STA 45+29.78, 23.00 LT ML
2068	233799.2947	956604.4213	STA 45+99.36, 23.00' LT ML
2069	233792.7797	956599.7786	STA 46+07.36, 23.00' LT ML
2070	233763.4620	956578.8866	STA 46+43.36, 23.00' LT ML
2071	233756.9470	956574.2440	STA 46+51.36, 23.00' LT ML

GRANITE CURB GEOMETRIC POINTS			
CATCH BASIN HEADERS AND SPECIAL BASINS			
POINT	NORTHING	EASTING	LOCATION
SB10	234240.0318	956918.4933	STA 40+58.16, 23.00 LT ML
SB7	234230.3408	956860.0144	STA 41+00.00, 19.00 RT ML
SB11	234104.9703	956822.2477	STA 42+24.00, 23.00 LT ML
SB9	234104.2349	956770.1507	STA 42+54.84, 19.00 RT ML
SB12	234018.7437	956760.8021	STA 43+30.00, 23.00 LT ML
SB13	233750.9271	956518.3812	STA 46+88.68, 19.00 RT ML
HI4	233717.3077	956545.9968	STA 47+00.00, 23.00 LT ML



GRANITE CURB GEOMETRIC POINTS			
8 FT TERMINAL ENDS - CIRCULAR			
POINT	NORTHING	EASTING	LOCATION
1044	234177.5273	956822.3793	STA 41+64.84, 19.00' RT ML
2203	234171.7152	956816.9165	STA 41+72.75, 20.08' RT ML
2204	234112.9628	956775.0681	STA 42+44.88, 20.06' RT ML
1055	234105.9093	956771.3439	STA 42+52.79, 19.00' RT ML
1066	233955.0522	956663.8421	STA 44+38.03, 19.00' RT ML
2205	233949.2384	9566658.3812	STA 44+45.93, 20.07' RT ML
2206	233890.6529	95666.6341	STA 45+17.87, 20.07' RT ML
1075	233883.5939	956612.9204	STA 45+25.77, 19.00' RT ML

GRANITE CURB GEOMETRIC POINTS			
4 FT TERMINAL ENDS - CIRCULAR			
POINT	NORTHING	EASTING	LOCATION
1046	234166.9717	956808.7177	STA 41+81.37, 24.00' RT ML
1047	234165.7932	956804.8984	STA 41+84.54, 26.43' RT
1048	234168.4560	956783.9744	STA 20+45.01, 14.38' RT LINDALE N
1049	234170.5536	956780.5720	STA 20+49.00, 14.12' RT LINDALE N
1050	234147.7506	956764.3224	STA 20+49.00, 13.89' LT LINDALE N
1051	234145.2193	956767.4157	STA 20+45.01, 14.15' LT LINDALE N
1052	234126.3107	956776.7629	STA 42+33.03, 26.43' RT
1054	234122.3159	956776.8956	STA 42+36.20, 24.00' RT ML
1067	233944.4886	956650.1747	STA 44+54.56, 24.00' RT ML
1068	233943.3100	956646.3554	STA 44+57.74, 26.43' RT
1069	233945.9729	956625.4314	STA 30+45.01, 14.19' RT LINDALE S
1070	233948.0705	956622.0290	STA 30+49.00, 13.92' RT LINDALE S
1071	233925.3985	956605.8728	STA 30+49.00, 13.92' LT LINDALE S
1072	233922.8672	956608.9662	STA 30+45.01, 14.18' LT LINDALE S
1073	233903.9586	956618.3133	STA 45+06.06, 26.43' RT
1074	233899.9638	956618.4461	STA 45+09.23, 24.00' RT ML
1085	233715.0686	956486.6886	STA 47+36.27, 24.00' RT ML
1086	233713.8901	956482.8692	STA 47+39.45, 26.43' RT
1087	233716.5825	956461.8893	STA 40+45.07, 10.44' RT TRAVERS
1088	233718.6873	956458.4913	STA 40+49.06, 10.18' RT TRAVERS
1089	233701.9546	956446.7174	STA 40+89.94, 10.28' LT TRAVERS
1090	233699.4172	956449.8058	STA 40+44.95, 10.55' LT TRAVERS
1091	233680.5489	956459.1101	STA 47+80.39, 26.43' RT
1092	233676.5540	956459.2428	STA 47+83.57, 24.00' RT ML

GRANITE CURB GEOMETRIC POINTS			
8 FT TERMINAL ENDS - STRAIGHT			
POINT	NORTHING	EASTING	LOCATION
1040	234237.6139	956865.1973	STA 40+91.06, 19.00' RT ML
1041	234231.0989	956860.5546	STA 40+99.06, 19.00' RT ML
1057	234073.6900	956748.3841	STA 42+92.35, 19.00' RT ML
1058	234067.1750	956743.7414	STA 43+00.35, 19.00' RT ML
1059	234018.3122	956708.9216	STA 43+60.35, 19.00' RT ML
1060	234011.7972	956704.2789	STA 43+68.35, 19.00' RT ML
1061	233999.6453	956695.6193	STA 43+83.27, 19.00' RT ML
1062	233993.1302	956690.9767	STA 43+91.27, 19.00' RT ML
1063	233971.3273	956675.4398	STA 44+18.04, 19.00' RT ML
1064	233964.8122	956670.7971	STA 44+26.04, 19.00' RT ML
1077	233805.2282	956557.0765	STA 46+22.00, 19.00' RT ML
1078	233798.7132	956552.4339	STA 46+30.00, 19.00' RT ML
1079	233766.1380	956529.2206	STA 46+70.00, 19.00' RT ML
1080	233759.6230	956524.5779	STA 46+78.00, 19.00' RT ML
1082	233750.1634	956517.8370	STA 46+89.62, 19.00' RT ML
1083	233743.6484	956513.1943	STA 46+97.62, 19.00' RT ML

GRANITE CURB GEOMETRIC POINTS				
CENTER OF RADIUS				
POINT	NORTHING	EASTING	LOCATION	RADIUS
2135	234194.9850	956797.9819	STA 41+64.78, 49.00' RT ML	30'
2136	234123.3192	956746.9124	STA 42+52.79, 49.00' RT ML	30'
2144	233972.5019	956639.4390	STA 44+37.98, 49.00' RT ML	30'
2149	233900.9671	956588.4629	STA 45+25.82, 49.00' RT ML	30'
2152	233743.0819	956475.9528	STA 47+17.69, 49.00' RT ML	30'

STATE OF MAINE
DEPARTMENT OF TRANSPORTATION

STP-1481(400)X

WIN
14814.00

HIGHWAY PLANS

PROJ. MANAGER	ERNIE MARTIN		
DESIGN-DETAILED	RCL	RCL	5-12
CHECKED-REVIEWED	ALG		
DESIGN2-DETAILED2			
DESIGN3-DETAILED3			
REVISIONS 1			
REVISIONS 2			
REVISIONS 3			
REVISIONS 4			
FIELD CHANGES			

SIGNATURE
4226
P.E. NUMBER
5/23/12
DATE

BIDDEFORD
ROUTE 1

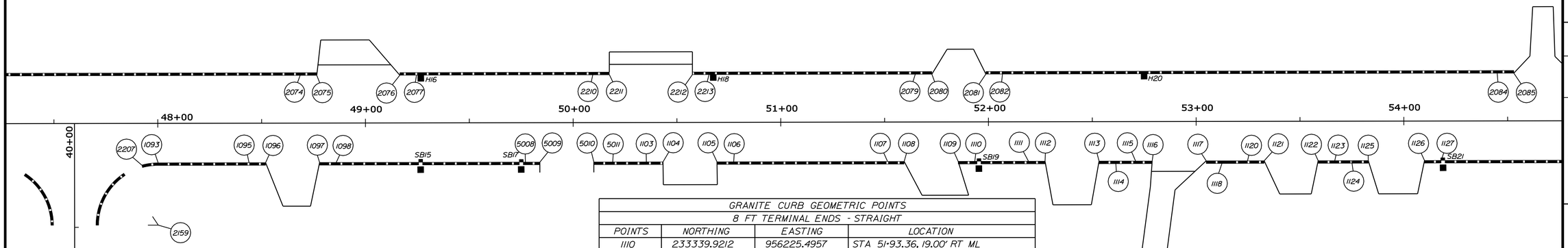
CURB LAYOUT PLAN

SHEET NUMBER
14
OF 102

Filename: ...\MSTA\014_curbsheet_02.dgn Division: HIGHWAY Username: jeason Date:6/4/2012

GRANITE CURB GEOMETRIC POINTS			
8 FT TERMINAL ENDS - STRAIGHT			
POINTS	NORTHING	EASTING	LOCATION
2074	233580.0304	956448.1720	STA 48+68.60, 23.00' LT ML
2075	233573.5153	956443.5294	STA 48+76.60, 23.00' LT ML
2076	233540.9401	956420.3161	STA 49+16.60, 23.00' LT ML
2077	233534.4251	956415.6734	STA 49+24.60, 23.00' LT ML
2079	233338.8090	956276.2761	STA 51+64.80, 23.00' LT ML
2080	233332.2939	956271.6334	STA 51+72.80, 23.00' LT ML
2081	233311.1200	956256.5448	STA 51+98.80, 23.00' LT ML
2082	233304.6050	956251.9021	STA 52+06.80, 23.00' LT ML
2210	233465.2822	956366.4017	STA 50+09.50, 23.00' LT ML
2211	233458.7671	956361.7590	STA 50+17.50, 23.00' LT ML
2212	233426.1919	956338.5457	STA 50+57.50, 23.00' LT ML
2213	233419.6769	956333.9031	STA 50+65.50, 23.00' LT ML
2084	233110.5978	956113.6513	STA 54+45.03, 23.00' LT ML
2085	233104.0828	956109.0087	STA 54+53.03, 23.00' LT ML

GRANITE CURB GEOMETRIC POINTS			
CATCH BASIN HEADERS AND SPECIAL BASINS			
POINT	NORTHING	EASTING	LOCATION
HI6	233532.7175	956414.4566	STA 49+26.69, 23.00 LT ML
SBI5	233557.2023	956380.3316	STA 49+26.52, 19.00 RT ML
SBI7	233517.7468	956352.2154	STA 49+75.01, 19.00 RT ML
HI8	233418.0481	956332.7424	STA 50+67.50, 23.00 LT ML
SBI9	233338.2551	956224.3804	STA 51+94.30, 19.00 RT ML
H20	233249.0643	956212.3234	STA 52+75.00, 23.00 LT ML
SB21	233156.2816	956094.6329	STA 54+18.86, 19.00 RT ML



GRANITE CURB GEOMETRIC POINTS			
8 FT TERMINAL ENDS - CIRCULAR			
POINTS	NORTHING	EASTING	LOCATION
2207	233677.2299	956457.4259	STA 47+92.21, 20.07' RT ML
1093	233660.1726	956453.7089	STA 48+00.12, 19.00' RT ML

GRANITE CURB GEOMETRIC POINTS				
CENTER OF RADIUS				
POINT	NORTHING	EASTING	LOCATION	RADIUS
2159	233677.5574	956429.2596	STA 48+00.15, 49.00' RT ML	30'

GRANITE CURB GEOMETRIC POINTS			
8 FT TERMINAL ENDS - STRAIGHT			
POINTS	NORTHING	EASTING	LOCATION
1110	233339.9212	956225.4957	STA 51+93.36, 19.00' RT ML
1111	233318.8694	956210.4940	STA 52+19.21, 19.00' RT ML
1112	233312.3544	956205.8514	STA 52+27.21, 19.00' RT ML
1113	233291.1805	956190.7628	STA 52+53.21, 19.00' RT ML
1114	233284.6655	956186.1201	STA 52+61.21, 19.00' RT ML
1115	233276.8680	956180.5635	STA 52+70.79, 19.00' RT ML
1116	233270.3530	956175.9209	STA 52+78.79, 19.00' RT ML
1117	233249.1791	956160.8322	STA 53+04.79, 19.00' RT ML
1118	233242.6641	956156.1896	STA 53+12.79, 19.00' RT ML
1120	233232.9338	956149.2558	STA 53+24.74, 19.00' RT ML
1121	233226.4188	956144.6131	STA 53+32.74, 19.00' RT ML
1122	233205.2480	956129.5266	STA 53+58.74, 19.00' RT ML
1123	233198.7329	956124.8840	STA 53+66.74, 19.00' RT ML
1124	233192.1146	956120.1677	STA 53+74.86, 19.00' RT ML
1125	233185.5996	956115.5251	STA 53+82.86, 19.00' RT ML
1126	233163.5621	956099.8210	STA 54+09.92, 19.00' RT ML
1127	233157.0471	956095.1784	STA 54+17.92, 19.00' RT ML
1095	233624.5167	956428.3003	STA 48+43.90, 19.00' RT ML
1096	233618.0017	956423.6576	STA 48+51.90, 19.00' RT ML
1097	233596.8278	956408.5690	STA 48+77.90, 19.00' RT ML
1098	233590.3128	956403.9264	STA 48+85.90, 19.00' RT ML
1103	233468.6886	956317.2562	STA 50+35.25, 19.00' RT ML
1104	233462.1736	956312.6135	STA 50+43.25, 19.00' RT ML
1105	233440.9982	956297.5238	STA 50+69.25, 19.00' RT ML
1106	233434.4832	956292.8801	STA 50+77.25, 19.00' RT ML
1107	233374.1252	956249.8697	STA 51+51.36, 19.00' RT ML
1108	233367.6102	956245.2270	STA 51+59.36, 19.00' RT ML
1109	233346.4363	956230.1384	STA 51+85.36, 19.00' RT ML
5008	233516.9897	956351.6694	STA 49+75.94, 19.00' RT ML
5009	233510.4716	956347.0310	STA 49+83.94, 19.00' RT ML
5010	233489.2978	956331.9424	STA 50+09.94, 19.00' RT ML
5011	233482.7827	956327.2997	STA 50+17.94, 19.00' RT ML

STATE OF MAINE
DEPARTMENT OF TRANSPORTATION

STP-1481(400)X

WIN
14814.00

HIGHWAY PLANS

PROJ. MANAGER	ERNIE MARTIN			
DESIGN-DETAILED	RCL	DESIGN1-DETAILED	RCL	5-12
CHECKED-REVIEWED	RCL	DESIGN2-DETAILED	ALG	5-12
		DESIGN3-DETAILED		
		REVISIONS 1		
		REVISIONS 2		
		REVISIONS 3		
		REVISIONS 4		
		FIELD CHANGES		

SIGNATURE

4226

P.E. NUMBER

5/23/12

DATE

BIDDEFORD
ROUTE 1

CURB LAYOUT PLAN

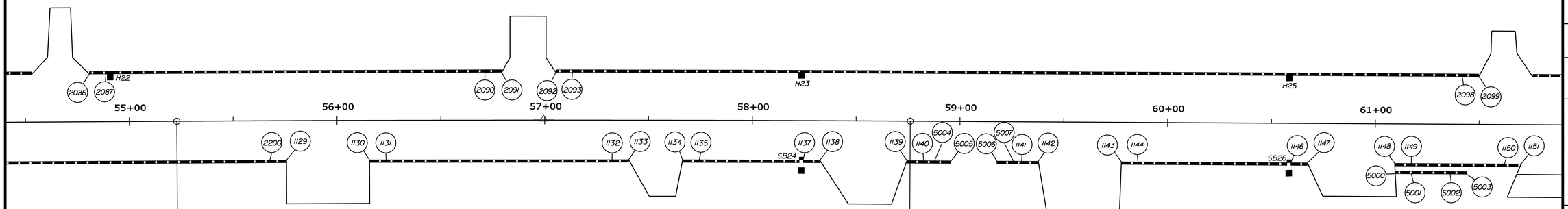
SHEET NUMBER

15

OF 102

Filename: ...\MSTA\015_curbsheet_03.dgn Username: jeason Division: HIGHWAY Date:6/4/2012

GRANITE CURB GEOMETRIC POINTS			
8 FT TERMINAL ENDS - STRAIGHT			
POINT	NORTHING	EASTING	LOCATION
2086	233081.3754	956092.8272	STA 54+80.91, 23.00' LT ML
2087	233074.8603	956088.1845	STA 54+88.91, 23.00' LT ML
2090	232926.4019	955981.9406	STA 56+71.36, 23.00' LT ML
2091	232919.9105	955977.2649	STA 56+79.35, 23.00' LT ML
2092	232898.8210	955962.0560	STA 57+05.33, 23.00' LT ML
2093	232892.3349	955957.3730	STA 57+13.32, 23.00' LT ML
2098	232546.0647	955704.9666	STA 61+41.70, 23.00' LT ML
2099	232539.6048	955700.2476	STA 61+49.70, 23.00' LT ML



GRANITE CURB GEOMETRIC POINTS			
CATCH BASIN HEADERS AND SPECIAL BASINS			
POINT	NORTHING	EASTING	LOCATION
H22	233073.2171	956087.0135	STA 54+90.91, 23.00 LT
H23	232802.9753	955892.5909	STA 58+23.61, 23.00 LT
SB24	232827.6812	955858.6203	STA 58+23.63, 19.00 RT
H25	232613.2803	955754.0682	STA 60+58.46, 23.00 LT
SB26	232638.0307	955720.1356	STA 60+59.46, 19.00 RT

CURVE DATA

PI = 56+22.89
D = 0° - 11' - 27.5"
Δ = 0° - 40' - 28.3" Rt.
R = 30000.00'
L = 353.19'
T = 176.56'
E = 0.52'

GRANITE CURB GEOMETRIC POINTS			
8 FT TERMINAL ENDS - STRAIGHT			
POINT	NORTHING	EASTING	LOCATION
2200	233035.1967	956008.3061	STA 55+67.60, 19.00' RT ML
1129	233028.6892	956003.6528	STA 55+75.60, 19.00' RT ML
1130	232996.1709	955980.3610	STA 56+15.63, 19.00' RT ML
1131	232989.6709	955975.6974	STA 56+23.63, 19.00' RT ML
1132	232901.4375	955912.1311	STA 57+32.45, 19.00' RT ML
1133	232894.9557	955907.4422	STA 57+40.45, 19.00' RT ML
1134	232873.8984	955892.1913	STA 57+66.47, 19.00' RT ML
1135	232867.4219	955887.4950	STA 57+74.47, 19.00' RT ML
1137	232826.9186	955858.0652	STA 58+24.57, 19.00' RT ML
1138	232820.4512	955853.3564	STA 58+32.58, 19.00' RT ML
1139	232786.5397	955828.6227	STA 58+74.58, 19.00' RT ML
1140	232780.0797	955823.9037	STA 58+82.58, 19.00' RT ML
1141	232741.9173	955796.0257	STA 59+29.84, 19.00' RT ML
1142	232735.4573	955791.3067	STA 59+37.84, 19.00' RT ML
1143	232703.1577	955767.7115	STA 59+77.84, 19.00' RT ML
1144	232696.6977	955762.9925	STA 59+85.84, 19.00' RT ML
1146	232637.2962	955719.5991	STA 60+59.40, 19.00' RT ML
1147	232630.8362	955714.8800	STA 60+67.40, 19.00' RT ML
1148	232596.9216	955690.1051	STA 61+09.40, 19.00' RT ML
1149	232590.4617	955685.3861	STA 61+17.40, 19.00' RT ML
1150	232554.2384	955658.9247	STA 61+62.26, 19.00' RT ML
1151	232547.7785	955654.2056	STA 61+70.26, 19.00' RT ML
5000	232599.6330	955685.8937	STA 61+09.69, 24.00' RT ML
5001	232593.1730	955681.1747	STA 61+17.69, 24.00' RT ML
5002	232578.2522	955670.2745	STA 61+36.17, 24.00' RT ML
5003	232571.7923	955665.5559	STA 61+44.17, 24.00' RT ML
5004	232775.8294	955820.7988	STA. 58+87.84, 24.00' RT. ML
5005	232769.3694	955816.0798	STA. 58+95.84, 24.00' RT. ML
5006	232751.6046	955803.1024	STA. 59+17.84, 24.00' RT. ML
5007	232745.1447	955798.3834	STA. 59+25.84, 24.00' RT. ML

STATE OF MAINE
DEPARTMENT OF TRANSPORTATION

STP-1481(400)X

WIN 14814.00

HIGHWAY PLANS

PROJ. MANAGER	ERNIE MARTIN			
DESIGN-DETAILED	RCL	RCL	5-12	
CHECKED-REVIEWED	ALG	ALG	5-12	
DESIGN2-DETAILED2				
DESIGN3-DETAILED3				
REVISIONS 1				
REVISIONS 2				
REVISIONS 3				
REVISIONS 4				
FIELD CHANGES				

SIGNATURE
4226
P.E. NUMBER
5/23/12
DATE

BIDDEFORD
ROUTE 1

CURB LAYOUT PLAN

SHEET NUMBER
16
OF 102

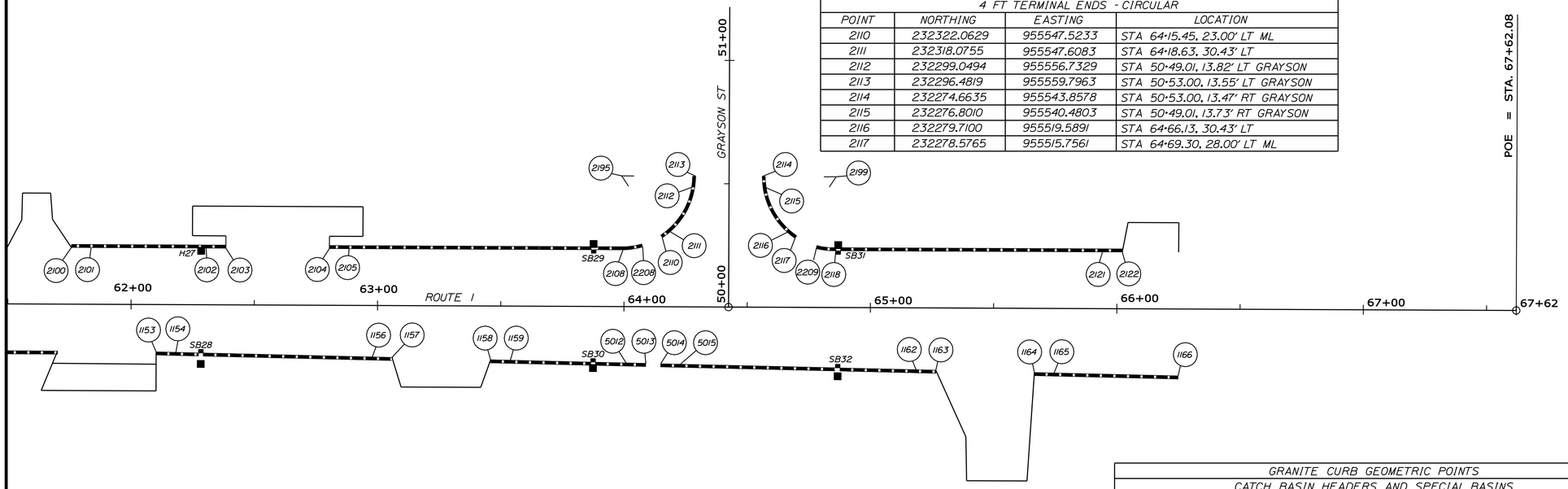
Filename: ...\MSTA\016_curbsheet_04.dgn Username: jeason Division: HIGHWAY Date:6/4/2012

GRANITE CURB GEOMETRIC POINTS			
8 FT TERMINAL ENDS - STRAIGHT			
POINT	NORTHING	EASTING	LOCATION
2100	2325I8.6100	955684.9107	STA 6I+75.70, 23.00' LT ML
2101	2325I2.1501	955680.1917	STA 6I+83.70, 23.00' LT ML
2102	232474.4634	955652.6613	STA 62+30.37, 23.00' LT ML
2103	232468.0035	955647.9422	STA 62+38.37, 23.00' LT ML
2104	232434.0888	955623.1673	STA 62+80.37, 23.00' LT ML
2105	232427.6287	955618.4486	STA 62+88.37, 23.00' LT ML
2121	232I80.7429	955438.0959	STA 65+94.I2, 23.00' LT ML
2122	232I74.2830	955433.3768	STA 66+02.I2, 23.00' LT ML

GRANITE CURB GEOMETRIC POINTS			
8 FT TERMINAL ENDS - CIRCULAR			
POINT	NORTHING	EASTING	LOCATION
2108	232330.7909	955549.2383	STA 63+99.5I, 23.00' LT ML
2208	232337.8800	955552.8944	STA 64+07.39, 24.24' LT ML
2209	232273.8933	955507.4562	STA 64+77.98, 24.06' LT ML
2118	232268.I35I	955501.9366	STA 64+85.89, 23.00' LT ML

GRANITE CURB GEOMETRIC POINTS				
CENTER OF RADIUS				
POINT	NORTHING	EASTING	LOCATION	RADIUS
2195	232320.7066	955577.4927	STA 63+98.87, 53.00' LT ML	30'
2199	232250.4388	955526.I6I4	STA 64+85.89, 53.00' LT ML	30'

GRANITE CURB GEOMETRIC POINTS			
4 FT TERMINAL ENDS - CIRCULAR			
POINT	NORTHING	EASTING	LOCATION
2110	232322.0629	955547.5233	STA 64+I5.45, 23.00' LT ML
2111	232318.0755	955547.6083	STA 64+I8.63, 30.43' LT
2112	232299.0494	955556.7329	STA 50+49.0I, I3.82' LT GRAYSON
2113	232296.4819	955559.7963	STA 50+53.00, I3.55' LT GRAYSON
2114	232274.6635	955543.8578	STA 50+53.00, I3.47' RT GRAYSON
2115	232276.80I0	955540.4803	STA 50+49.0I, I3.73' RT GRAYSON
2116	232279.7I00	955519.5899I	STA 64+66.I3, 30.43' LT
2117	232278.5765	955515.756I	STA 64+69.30, 28.00' LT ML



GRANITE CURB GEOMETRIC POINTS			
CATCH BASIN HEADERS AND SPECIAL BASINS			
POINT	NORTHING	EASTING	LOCATION
H27	232476.0784	955653.8410	STA 62+28.37, 23.00 LT
SB28	232501.I493	955619.4697	STA 62+28.37, I9.54 RT
SB29	232347.5I92	955559.9327	STA 63+87.58, 23.00 LT
SB30	232374.4373	955523.I35I	STA 63+87.58, 22.59 RT
SB3I	232267.3718	955501.3862	STA 64+86.86, 23.00 LT
SB32	232295.3870	955463.0359	STA 64+86.83, 24.49 RT

GRANITE CURB GEOMETRIC POINTS			
8 FT TERMINAL ENDS - STRAIGHT			
POINT	NORTHING	EASTING	LOCATION
I153	2325I5.5946	9556I0.45I9	STA 62+I0.26, I9.20' RT ML
I154	232509.226I	955625.6I02	STA 62+I8.26, I9.35' RT ML
I156	232445.7455	955577.3481	STA 62+97.99, 20.87' RT ML
I157	232439.377I	955572.5061	STA 63+05.99, 2I.03' RT ML
I158	232407.5249	955548.2900	STA 63+45.99, 2I.79' RT ML
I159	232401.I562	955543.4485	STA 63+53.99, 2I.95' RT ML
I162	232270.0425	955443.7674	STA 65+I8.66, 25.I0' RT ML
I163	232263.6746	955438.9252	STA 65+26.66, 25.25' RT ML
I164	232231.8322	955414.7I64	STA 65+66.65, 26.0I' RT ML
I165	232225.4632	955409.8753	STA 65+74.65, 26.I7' RT ML
5012	232363.2254	955514.9912	STA 64+0I.00, 22.85' RT ML
5013	232357.3558	9555I0.I486	STA 64+09.00, 23.00' RT ML
5014	232352.5785	955506.5I66	STA 64+I5.00, 23.II' RT ML
5015	232346.2089	95550.6740	STA 64+23.00, 23.22' RT ML

GRANITE CURB GEOMETRIC POINT			
POINT	NORTHING	EASTING	LOCATION
I166	232I85.3760	955379.3968	STA 66+25.00, 27.I3' RT ML

STATE OF MAINE
DEPARTMENT OF TRANSPORTATION

STP-1481(400)X

WIN 14814.00

HIGHWAY PLANS

PROJ. MANAGER	ERNIE MARTIN		
DESIGN-DETAILED	RCL	BY	DATE
CHECKED-REVIEWED	ALG	RCL	5-12
DESIGN2-DETAILED2		ALG	5-12
DESIGN3-DETAILED3			
REVISIONS 1			
REVISIONS 2			
REVISIONS 3			
REVISIONS 4			
FIELD CHANGES			

SIGNATURE

4226

P.E. NUMBER

5/23/12

DATE

BIDDEFORD
ROUTE 1

CURB LAYOUT PLAN

SHEET NUMBER

17

OF 102

Filename: ...\MSTA\017_curbsheet_05.dgn Division: HIGHWAY Username: roy Date:6/5/2012

Filename: ...\HIGHWAY\MSTA\018_HDPlan_00.dgn Division: HIGHWAY Username: jeoson Date:6/4/2012

STATE OF MAINE
DEPARTMENT OF TRANSPORTATION

STP-1481(400)X

WIN
14814.00

HIGHWAY PLANS

	BY	DATE
SIGNATURE		
4226		
P.E. NUMBER		
5/23/12		
DATE		

	BY	DATE
PROJ. MANAGER	ERNIE MARTIN	
DESIGN-DETAILED	RCL	5-12
CHECKED-REVIEWED	ALG	5-12
DESIGN2-DETAILED2		
DESIGN3-DETAILED3		
REVISIONS 1		
REVISIONS 2		
REVISIONS 3		
REVISIONS 4		
FIELD CHANGES		

BIDDEFORD
ROUTE 1

PLANS

SHEET NUMBER

18

OF 102

Filename: ...\HIGHWAY\MSTA\019_HDPlan_01.dgn Division: HIGHWAY Username: jeason Date:6/4/2012

TREE AND STUMP REMOVAL			
STA	OFFSET	TREE	STUMP
38+02.7	30.6' LT	48" MAPLE	48"
38+14.1	30.7' LT	20" MAPLE	20"
38+18.5	32.4' LT	2-16" MAPLE	2-16"
38+88.4	32.5' LT	12" RED PINE	12"
39+21.1	28.3' LT	34" MAPLE	34"

CURB RAMP DETECT - WARNING FIELD	
STATION	OFFSET
35+12.00	28.50' LT
36+09.00	26.62' LT
39+56.00	25.50' LT
40+50.00	25.50' LT
35+12.00	25.50' RT

DEMOUNT AND RELOCATE SIGN			
STREET	STATION	OFFSET	DESC.
BEAUDOIN	0+36.0	17.8' LT	STOP SIGN
WACO	10+40.0	19.2 LT	STREET SIGN
WACO	10+42.0	17.8 LT	STOP SIGN

(RESIDENT TO SPECIFY NEW LOCATIONS)

FIRST MORTUARY ASSOCIATES

DRIVEWAYS AND ENTRANCES			
LOCATION	B.L.	DESCRIPTION	CURB OPENING
STA.34+00.33 LT.	RTE. 1	PAVED ENTRANCE	33.6
STA.34+23.64 RT.	RTE. 1	PAVED ENTRANCE	40.0'
STA.34+52.10 LT.	RTE. 1	PAVED ENTRANCE	30.0'
STA.35+86.37 LT.	RTE. 1	PAVED ENTRANCE	42.0'
STA.36+21.36 RT.	RTE. 1	PAVED ENTRANCE	40.0'
STA.36+65.27 LT.	RTE. 1	PAVED ENTRANCE	42.0'
STA.36+77.24 RT.	RTE. 1	PAVED ENTRANCE	26.0'
STA.37+26.80 LT.	RTE. 1	PAVED ENTRANCE	41.1'
STA.37+69.39 RT.	RTE. 1	PAVED ENTRANCE	40.0'
STA.38+52.40 RT.	RTE. 1	PAVED ENTRANCE	40.0'
STA.39+44.08 RT.	RTE. 1	PAVED ENTRANCE	40.0'
STA.39+69.60 LT.	RTE. 1	PAVED ENTRANCE	26.0'

CURVE DATA

PI = 38+89.32
D = 0° - 11' - 27.5"
Δ = 0° - 38' - 09.2" Rt.
R = 30000.00'
L = 332.96'
T = 166.48'
E = 0.46'

STATE OF MAINE
DEPARTMENT OF TRANSPORTATION

STP-1481(400)X

WIN 14814.00

HIGHWAY PLANS

	BY	DATE
PRO. MANAGER	ERNIE MARTIN	
DESIGN-DETAILED	RCL	5-12
CHECKED-REVIEWED	ALG	5-12
DESIGN2-DETAILED2		
DESIGN3-DETAILED3		
REVISIONS 1		
REVISIONS 2		
REVISIONS 3		
REVISIONS 4		
FIELD CHANGES		

SIGNATURE

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DATE

BIDDEFORD
ROUTE 1
PLANS

SHEET NUMBER
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DRIVEWAYS AND ENTRANCES			
LOCATION	B.L.	DESCRIPTION	CURB OPENING
STA.40+77.53 RT.	RTE. 1	PAVED DRIVE	27.1'
STA.41+07.11 LT.	RTE. 1	PAVED ENTRANCE	40.0'
STA.43+00.65 LT.	RTE. 1	PAVED ENTRANCE	41.1'
STA.43+14.85 RT.	RTE. 1	PAVED DRIVE	29.0'
STA.43+47.35 RT.	RTE. 1	PAVED DRIVE	26.0'
STA.44+04.66 RT.	RTE. 1	PAVED DRIVE	26.0'
STA.44+08.60 LT.	RTE. 1	PAVED DRIVE	26.0'
STA.45+08.78 LT.	RTE. 1	PAVED DRIVE	26.0'
STA.46+25.36 LT.	RTE. 1	PAVED ENTRANCE	36.0'
STA.46+50.00 RT.	RTE. 1	PAVED ENTRANCE	40.0'
STA.47+10.62 RT.	RTE. 1	PAVED ENTRANCE	26.0'

TREE AND STUMP REMOVAL			
STA	OFFSET	TREE	STUMP
43+58.5	32.0' RT	16" MAPLE	16"
43+97.9	26.4' LT	42" MAPLE	42"
44+35.8	34.1' RT	12" MAPLE	12"
44+53.0	34.3' RT	15" SPRUCE	15"
44+67.5	28.3' LT	18" MAPLE	18"
44+94.0	27.8' LT	36" ASH	36"
45+40.1	28.7' LT	20" ASH	20"
45+50.1	29.4' LT	28" MAPLE	28"
45+73.2	28.0' LT	22" ASH	22"

CURB RAMP DETECT - WARNING FIELD	
STATION	OFFSET
41+68.00	21.50' RT
42+50.00	21.50' RT
44+41.00	21.50' RT
45+23.00	21.50' RT
47+25.00	21.50' RT
47+98.00	21.50' RT

DEMOUNT AND RELOCATE SIGN			
STREET	STATION	OFFSET	DESC.
LINDALE N	20+28.0	25.0 RT	STREET SIGN
LINDALE N	20+41.0	18.6' LT	STOP SIGN
LINDALE S	30+37.0	19.6' LT	STOP SIGN
MAIN LINE	44+69.0	29.0' LT	35 MPH

(RESIDENT TO SPECIFY NEW LOCATIONS)

RICHARD H. PATE

PETER C. MOURMOURAS

DIANE ROBERTS

PETER C. MOURMOURAS

MOUNIR F. SOLIMAN
ALICIA G-S. SOLIMAN
TRUSTEES UNDER MOUNIR F. SOLIMAN
LIVING TRUST
ALICIA G-S. SOLIMAN AND MOUNIR F. SOLIMAN
TRUSTEES UNDER
ALICIA G-S. SOLIMAN LIVING TRUST

CASEY L. ADAMS

HARVEY G. LAROCHELLE
RUTH V. LAROCHELLE

MICHAEL A. J. PREJEAN

THOMAS G. SEVIGNY
KAREN L. SEVIGNY

TIGHE-BEAUDOIN-FARLEY
POST NO. 26,
AMERICAN LEGION

WILFRID J. PROVOST JR.
DAWNE L. PROVOST

STA. 40+12.40 M.L.=
STA. 10+00.00 WACO DRIVE

EXCAVATE PAVEMENT, LOAM AND SEED

12" CP TEMP. OPT III

15" TYPE 'C' UD

12" TYPE 'C' UD

6" TYPE 'B' UD

ALTER CB TO MH -53

REMOVE CB & PLUG

REMOVE CB AND PLUG

REBUILD CB TO SHAPE 5 MH

REMOVE SIGN

POLE #105.1

POLE #104.1

POLE #103/560

POLE #107/104

POLE #108/56/105

POLE #109.1

STA 42+28 TO STA 43+00 RT. REMOVE AND RESET FENCE AT R/W

STA. 42+08.90 M.L.=
STA. 20+00.00 LINDALE AVENUE NORTH

STA 20+70.00 LIMIT OF WORK

STA. 44+81.90 M.L.=
STA. 30+00.00 LINDALE AVENUE SOUTH

STA 30+64.76 LIMIT OF WORK

STA 40+61.11 LIMIT OF WORK

24" STOP BAR

FENCE TO REMAIN

PT = STA. 40+55.79

LINDALE AVENUE NORTH N54°31'33.9"W

LINDALE AVENUE SOUTH N54°31'33.9"W

TRAVERS STREET N54°31'33.9"W

SSWL DSYL CONST. TEMP. LIMITS REMOVE T.C.L. 30' R PAVED ENTRANCE PAVED DRIVE

STATE OF MAINE
DEPARTMENT OF TRANSPORTATION

STP-1481(400)X

WIN 14814.00

HIGHWAY PLANS

	BY	DATE
PROJ. MANAGER	ERNIE MARTIN	
DESIGN-DETAILED	RCL	5-12
CHECKED-REVIEWED	RCL	5-12
DESIGN2-DETAILED2	ALG	
DESIGN3-DETAILED3		
REVISIONS 1		
REVISIONS 2		
REVISIONS 3		
REVISIONS 4		
FIELD CHANGES		

SIGNATURE

4226
P.E. NUMBER

5/23/12
DATE

BIDDEFORD
ROUTE 1

PLANS

SHEET NUMBER

20

OF 102

Filename: ...\HIGHWAY\MSTA\020_HDPlan_02.dgn Username: jeason Date:6/5/2012 Division: HIGHWAY

Filename: ...\HIGHWAY\MSTA\021_HDPlan_03.dgn Username: jeason Date:6/4/2012

TREE AND STUMP REMOVAL			
STA	OFFSET	TREE	STUMP
47+73.9	30.5' LT	30" ASH	30"
48+00.5	30.7' LT	40" ASH	40"
48+54.1	30.0' LT	44" ASH	44"

DRIVEWAYS AND ENTRANCES			
LOCATION	B.L.	DESCRIPTION	CURB OPENING
STA.48+64.90 RT.	RTE.1	PAVED DRIVE	26.0'
STA.48+96.60 LT.	RTE.1	GRAVEL ENTRANCE	40.0'
STA. 49+96.94 RT.	RTE.1	PAVED APRON	26.0'
STA.50+37.50 LT.	RTE.1	GRAVEL ENTRANCE	40.0'
STA.50+56.25 RT.	RTE.1	PAVED DRIVE	26.0'
STA.51+85.80 LT.	RTE.1	PAVED ENTRANCE	26.0'
STA.51+72.36 RT.	RTE.1	PAVED DRIVE	26.0'
STA.52+40.21 RT.	RTE.1	PAVED DRIVE	26.0'
STA.52+91.79 RT.	RTE.1	GRAVEL ENTRANCE	26.0'
STA.53+45.74 RT.	RTE.1	PAVED DRIVE	26.0'
STA.53+96.39 RT.	RTE.1	PAVED DRIVE	27.1'

DEMOUNT AND RELOCATE SIGN			
STREET	STATION	OFFSET	DESC.
TRAVERS	40+36.0	17.0' LT	STOP SIGN

(RESIDENT TO SPECIFY NEW LOCATION)

PAVED WALKS			
LOCATION	B.L.	DESCRIPTION	SIZE
STA. 51+44.42 RT.	RTE. 1	PAVED WALK	4' X 6'

STATE OF MAINE
DEPARTMENT OF TRANSPORTATION

STP-1481(400)X

WIN 14814.00

HIGHWAY PLANS

	DATE	BY
SIGNATURE	5-12	RCL
4226	5-12	
P.E. NUMBER		
5/23/12		
DATE		

PROJ. MANAGER	ERNIE MARTIN
DESIGN-DETAILED	RCL
CHECKED-REVIEWED	RCL
DESIGN2-DETAILED2	ALG
DESIGN3-DETAILED3	
REVISIONS 1	
REVISIONS 2	
REVISIONS 3	
REVISIONS 4	
FIELD CHANGES	

BIDDEFORD
ROUTE 1

PLANS

SHEET NUMBER

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DRIVEWAYS AND ENTRANCES			
LOCATION	B.L.	DESCRIPTION	CURB OPENING
STA. 54+66.97 LT.	RTE. 1	PAVED ENTRANCE	27.9'
STA. 55+95.61 RT.	RTE. 1	PAVED ENTRANCE	40.0'
STA. 56+92.34 LT.	RTE. 1	PAVED ENTRANCE	26.0'
STA. 57+53.46 RT.	RTE. 1	PAVED DRIVE	26.0'
STA. 58+53.58 RT.	RTE. 1	PAVED DRIVE	42.0'
STA. 59+06.84 RT.	RTE. 1	PAVED APRON	22.0'
STA. 59+57.84 RT.	RTE. 1	PAVED DRIVE	40.0'
STA. 60+88.40 RT.	RTE. 1	PAVED ENTRANCE	42.0'

ROMAN CATHOLIC BISHOP OF PORTLAND

STA. 61+71± LT.
REMOVE AND RESET
10 LF CHAIN LINK FENCE
(IN PLACE)

STA 57+05 TO 61+50 LT
REMOVE AND RESET CHAIN LINK
FENCE TO 30' LT

6" X 6" GRANITE W/DH & 4" AG

5' SIDEWALK (TYP.)

6" TYPE 'B' UD

12" TYPE 'C' UD

REMOVE CB AND PLUG

REMOVE FENCE

REMOVE FENCE WITH DECORATIVE LIGHTS

PC = STA. 55+22.89

PT = STA. 58+76.08

DALLAIRE'S MOTEL & COTTAGES, LLC

GERARD DAUDIER
CECILE T. DAUDIER

MININNI REALTY CORPORATION

CITY OF BIDDEFORD

NANCY L. MERROW

CHARLENE DUTREMBLE
DAVID DUTREMBLE

LAWRENCE E. FIFIELD
MARY E. FIFIELD

THE AUTO SHOP

8" PVC CAPPED

PAVE 5 FT ENTR

ROUTE 1

S35°28'26.1"W

S36°8'54.5"W

HB-BIDD-102

CURVE DATA

PI = 56+22.89
D = 0° - 11' - 27.5"
Δ = 0° - 40' - 28.3" Rt.
R = 30000.00'
L = 353.19'
T = 176.56'
E = 0.52'

STATE OF MAINE
DEPARTMENT OF TRANSPORTATION

STP-1481(400)X

WIN
14814.00

HIGHWAY PLANS

PROJ. MANAGER	ERNIE MARTIN	RCL	5-12	REVISIONS 1	
DESIGN-DETAILED	RCL	RCL	5-12	REVISIONS 2	
CHECKED-REVIEWED	ALC			REVISIONS 3	
DESIGN2-DETAILED2				REVISIONS 4	
DESIGN3-DETAILED3				FIELD CHANGES	

SIGNATURE

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P.E. NUMBER

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DATE

BIDDEFORD
ROUTE 1

PLANS

SHEET NUMBER

22

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Filename: ...\HIGHWAY\MSTA\022_HDPlan_04.dgn Division: HIGHWAY Username: jeoson Date:6/4/2012

TREE AND STUMP REMOVAL			
STA	OFFSET	TREE	STUMP
63+62.8	18.5' LT	40" MAPLE	40"

CURB RAMP DETECT - WARNING FIELD	
STATION	OFFSET
64+12.00	27'± LT
64+84.00	27'± LT
64+12.00	25'± RT

DRIVEWAYS AND ENTRANCES			
LOCATION	B.L.	DESCRIPTION	CURB OPENING
STA. 61+62.70 LT.	RTE. 1	PAVED ENTRANCE	26.0'
STA. 61+90.26 RT.	RTE. 1	GRAVEL ENTRANCE	40.0'
STA. 62+59.37 LT.	RTE. 1	PAVED ENTRANCE	42.0'
STA. 63+25.99 RT.	RTE. 1	PAVED ENTRANCE	40.0'
STA.65+46.66 RT.	RTE. 1	PAVED ENTRANCE	40.0'
STA.66+13.56 LT.	RTE. 1	PAVED ENTRANCE	22.9'

DEMOUNT AND RELOCATE SIGN			
STREET	STATION	OFFSET	DESC.
GRAYSON	50+25.0	22.2' LT	STOP SIGN
GRAYSON	50+62.0	16.1' RT	TRAFFIC SIGN
MAIN LINE	65+00.0	29.0' LT	TRAFFIC SIGN

PAVED WALKS			
LOCATION	B.L.	DESCRIPTION	SIZE
STA. 65+99.00 RT.	RTE. 1	PAVED WALK	3' X 17'

PAVEMENT MARKING NOTES (TRANSITIONS)	
STA 64+85, 8' LT TO STA 67+00, 2'± RT	DSYL
STA 65+75, 19' LT TO STA 66+25, 22'± LT	SSWL
STA 64+85, 3' RT TO STA 66+25, 2'± RT	DSYL
STA 65+50, 21.7' RT TO STA 66+25, 26'± RT	SSWL

STA 66+50± TO STA 68+50± LT
REMOVE EXISTING NORTHBOUND BROKEN WHITE LANE LINE

STA 65+71 ±, 39'± RT TO STA 66+23 ±, 34'± RT
REMOVE AND RESET FENCE (3-RAIL) AT 36' RT
PAYMENT FOR RESETTING GATE WILL BE MADE AS EQUIVALENT LENGTH OF FENCE (3'±)

STATE OF MAINE
DEPARTMENT OF TRANSPORTATION

STP-1481(400)X

WIN 14814.00

HIGHWAY PLANS

PROJ. MANAGER	ERNIE MARTIN		
DESIGN-DETAILED	RCL	5-12	
CHECKED-REVIEWED	ALG	5-12	
DESIGN2-DETAILED2			
DESIGN3-DETAILED3			
REVISIONS 1			
REVISIONS 2			
REVISIONS 3			
REVISIONS 4			
FIELD CHANGES			

SIGNATURE

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P.E. NUMBER

5/23/12
DATE

BIDDEFORD
ROUTE 1

PLANS

SHEET NUMBER

23

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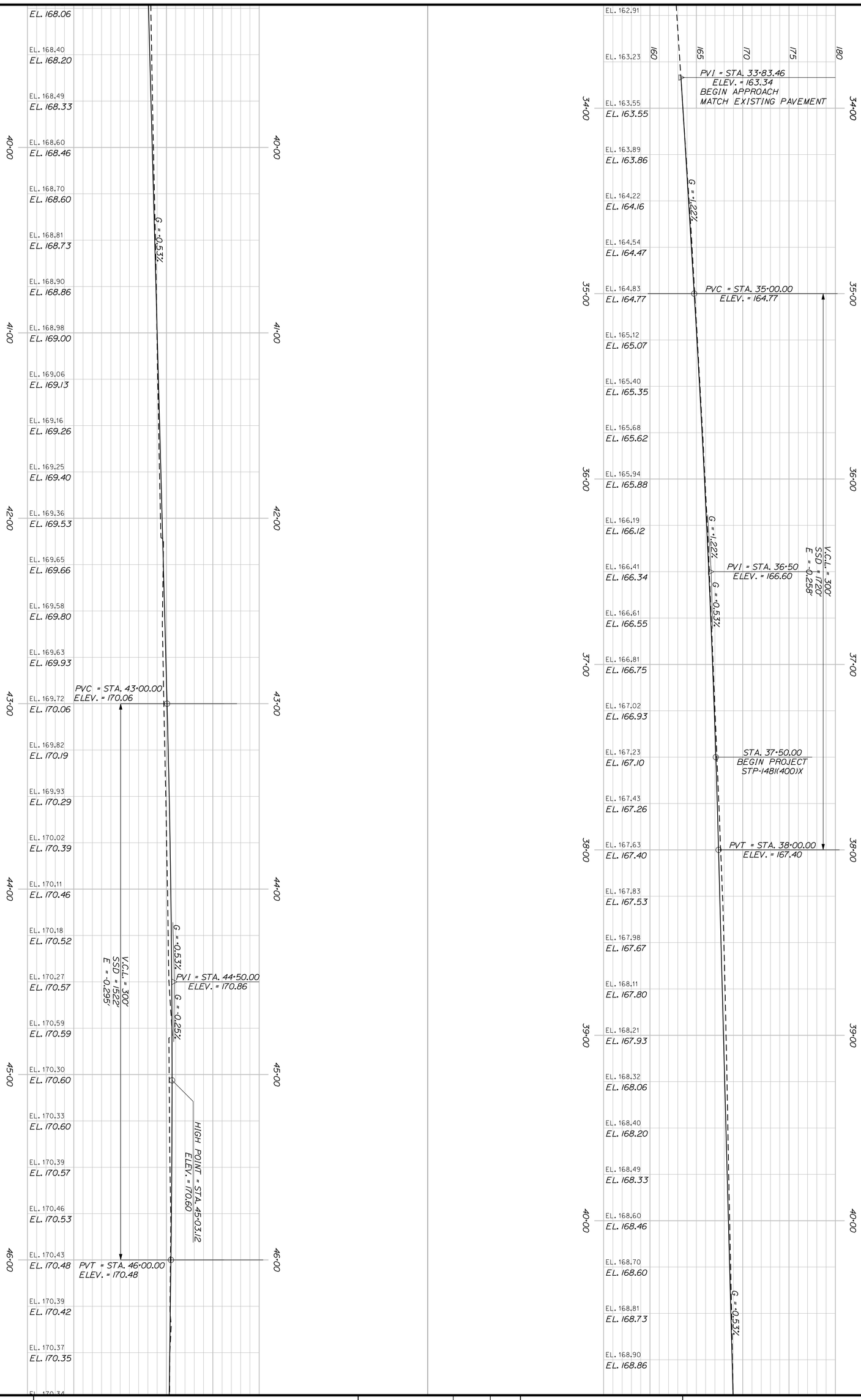
Filename: ...\HIGHWAY\MSTA\023_HOPlan_05.dgn Division: HIGHWAY Username: jeason Date:6/5/2012



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BIDDEFORD
ROUTE 1

PROFILE

PROJ. MANAGER	ERNIE MARTIN	BY	DATE
DESIGN-DETAILED	RCL	RCL	5-12
CHECKED-REVIEWED	ALG		5-12
DESIGN2-DETAILED2			
DESIGN3-DETAILED3			
REVISIONS 1			
REVISIONS 2			
REVISIONS 3			
REVISIONS 4			
FIELD CHANGES			

SIGNATURE
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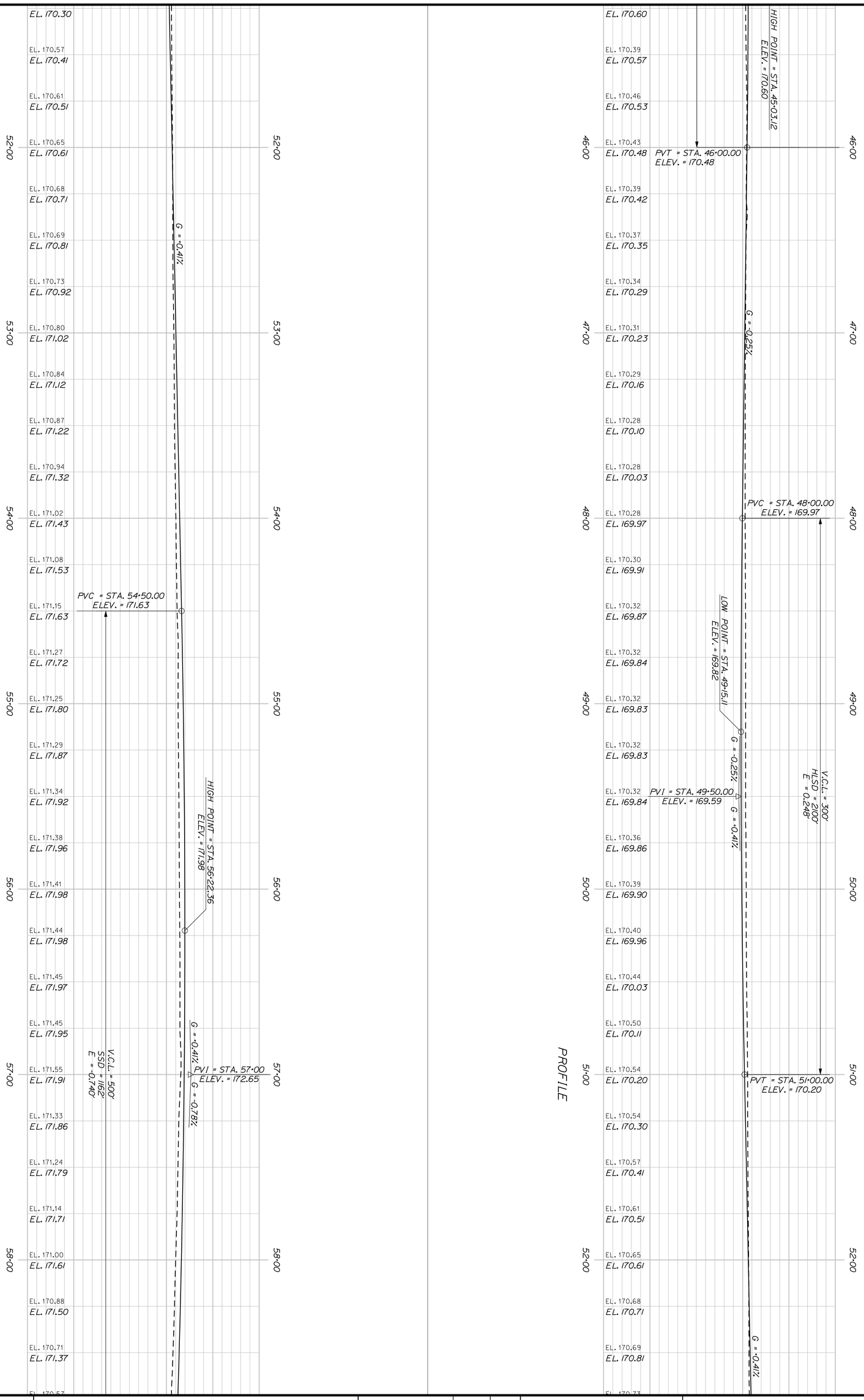
P.E. NUMBER
5/23/12
DATE

STATE OF MAINE
DEPARTMENT OF TRANSPORTATION

STP-1481(400)X

WIN
14814.00

HIGHWAY PLANS



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BIDDEFORD ROUTE 1

PROFILE

PROJ. MANAGER	ERNIE MARTIN	BY	DATE
DESIGN-DETAILED	RCL	RCL	5-12
CHECKED-REVIEWED	ALG		5-12
DESIGN2-DETAILED2			
DESIGN3-DETAILED3			
REVISIONS 1			
REVISIONS 2			
REVISIONS 3			
REVISIONS 4			
FIELD CHANGES			

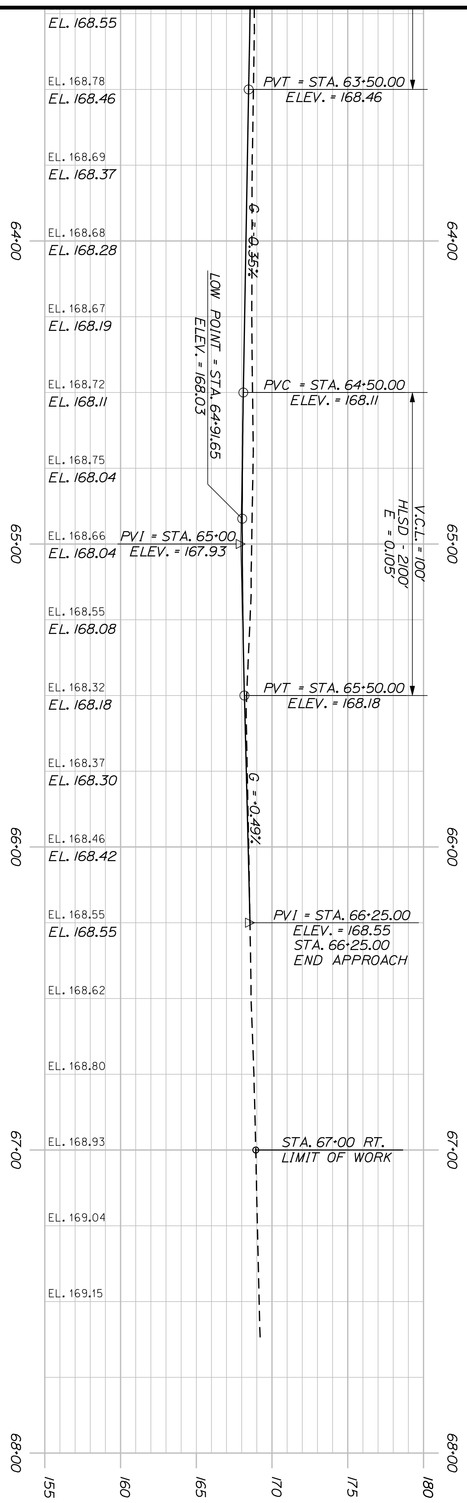
SIGNATURE
4226
P.E. NUMBER
5/23/12
DATE

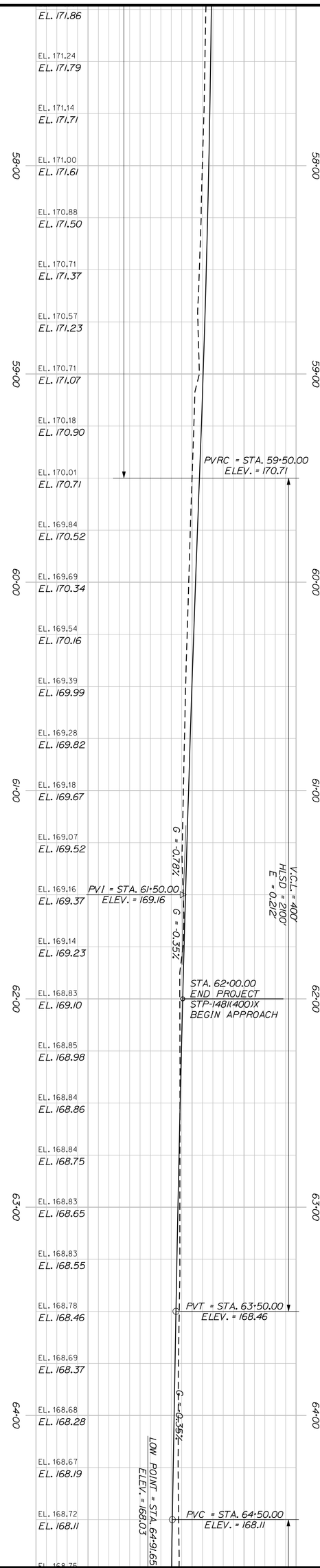
STATE OF MAINE
DEPARTMENT OF TRANSPORTATION

STP-1481(400)X

WIN
14814.00

HIGHWAY PLANS





SHEET NUMBER 26 OF 102

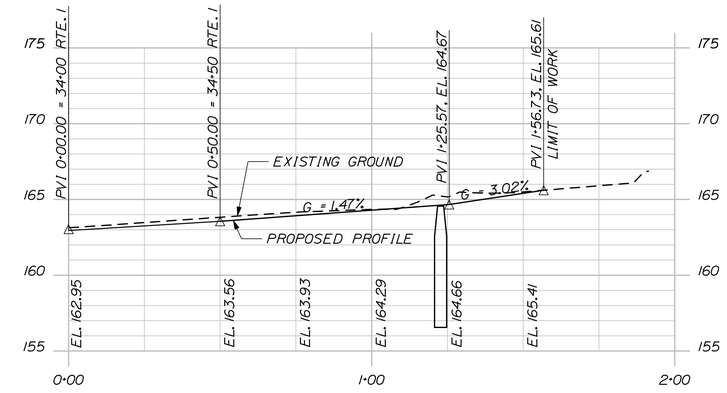
BIDDEFORD ROUTE 1

PROFILE

PROJ. MANAGER	ERNIE MARTIN	BY	DATE
DESIGN-DETAILED	RCL	RCL	5-12
CHECKED-REVIEWED	ALG		5-12
DESIGN2-DETAILED2			
DESIGN3-DETAILED3			
REVISIONS 1			
REVISIONS 2			
REVISIONS 3			
REVISIONS 4			
FIELD CHANGES			

SIGNATURE
4226
P.E. NUMBER
5/23/12
DATE

STATE OF MAINE
DEPARTMENT OF TRANSPORTATION
STP-1481(400)X
WIN
14814.00
HIGHWAY PLANS



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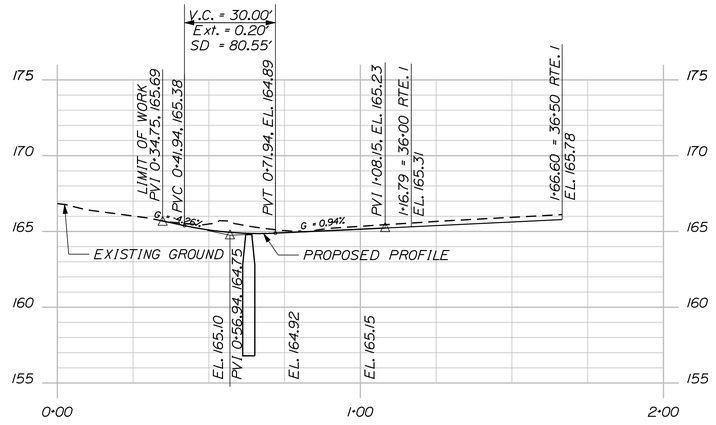
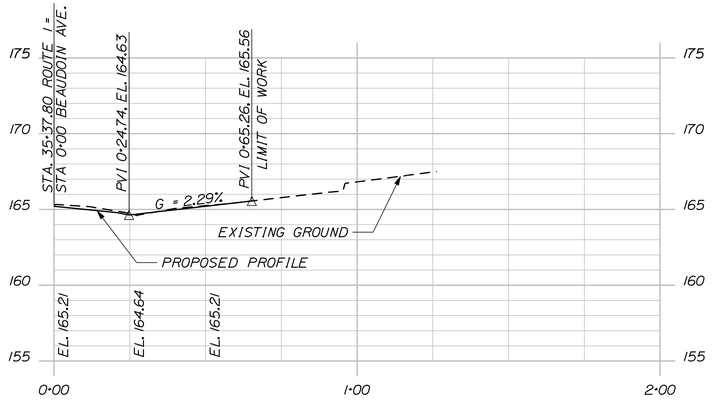
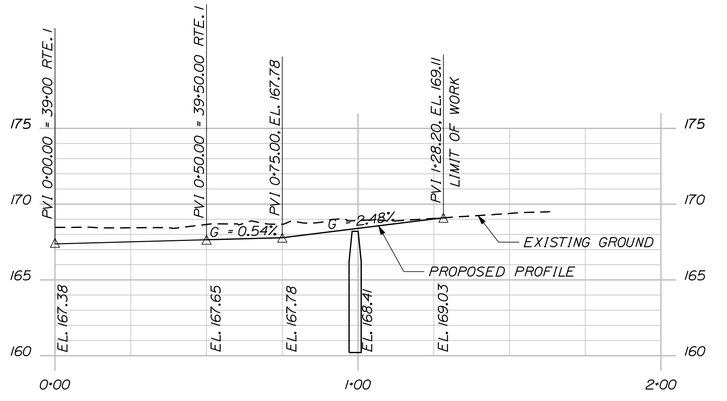


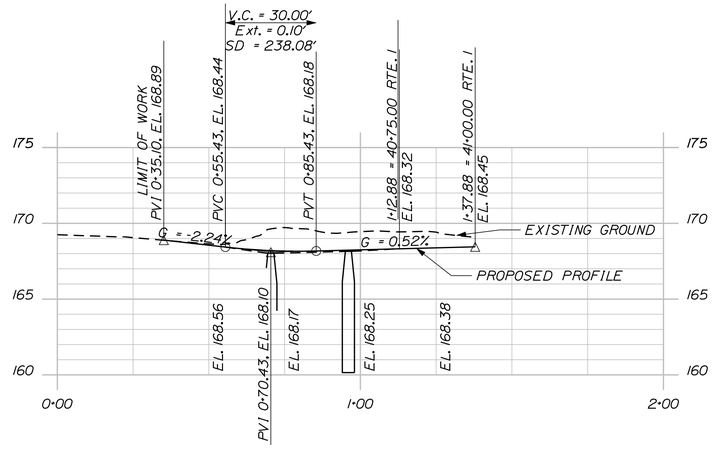
BEAUDOIN ST. PROFILE RT.



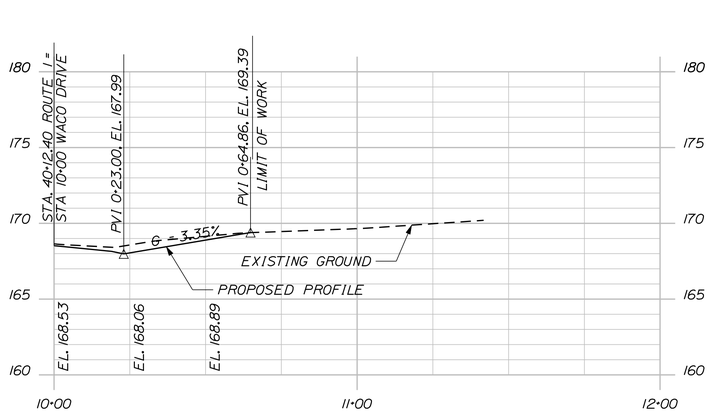
BEAUDOIN ST CL PROFILE



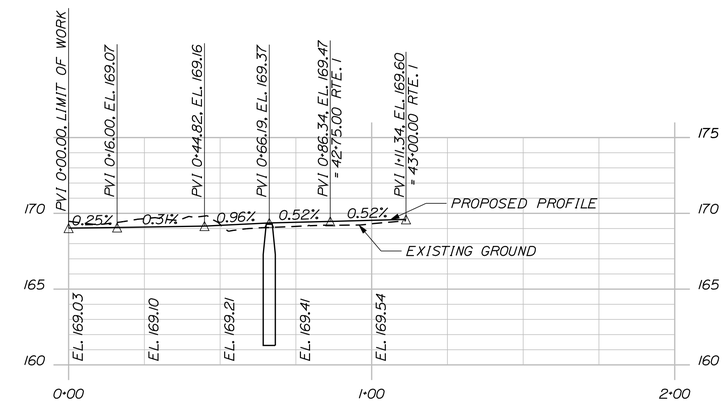
WACO DR. PROFILE LT.



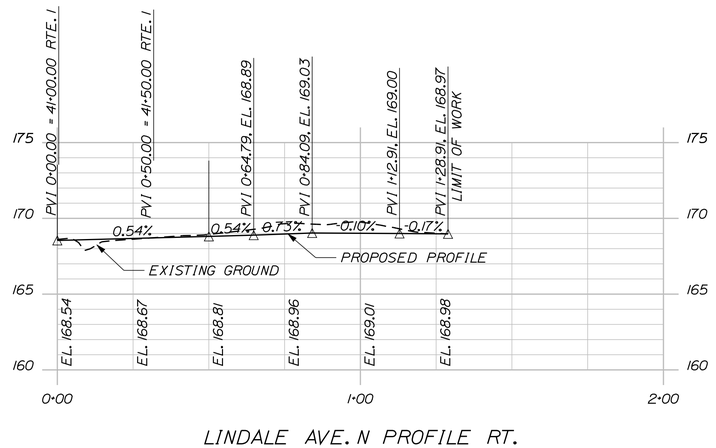
WACO DR. PROFILE RT.



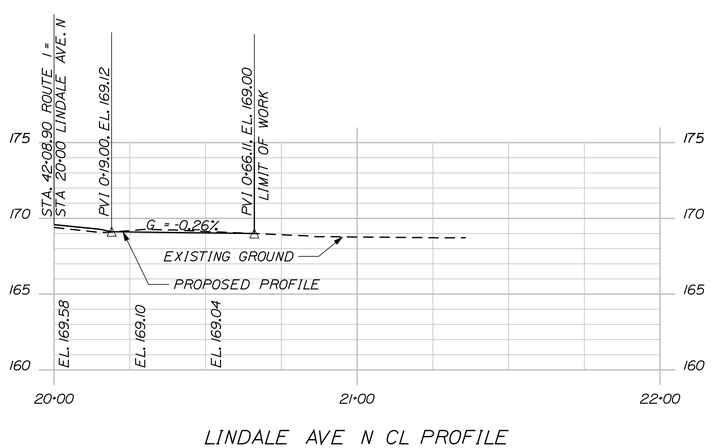
WACO DR CL PROFILE



LINDALE AVE. N PROFILE LT.



LINDALE AVE. N PROFILE RT.



LINDALE AVE N CL PROFILE

STATE OF MAINE
DEPARTMENT OF TRANSPORTATION

STP-1481(400)X

WIN 14814.00

HIGHWAY PLANS

PROJ. MANAGER	ERNIE MARTIN	BY	DATE
DESIGN-DETAILED	MSM	MSM	5-12
CHECKED-REVIEWED	ALG		5-12
DESIGN2-DETAILED2			
DESIGN3-DETAILED3			
REVISIONS 1			
REVISIONS 2			
REVISIONS 3			
REVISIONS 4			
FIELD CHANGES			

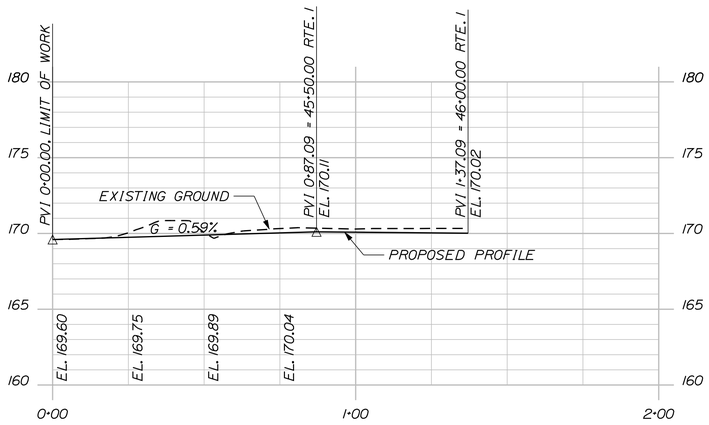
SIGNATURE
4226
P.E. NUMBER
5/23/12
DATE

BIDDEFORD
SIDE STREETS

PROFILE

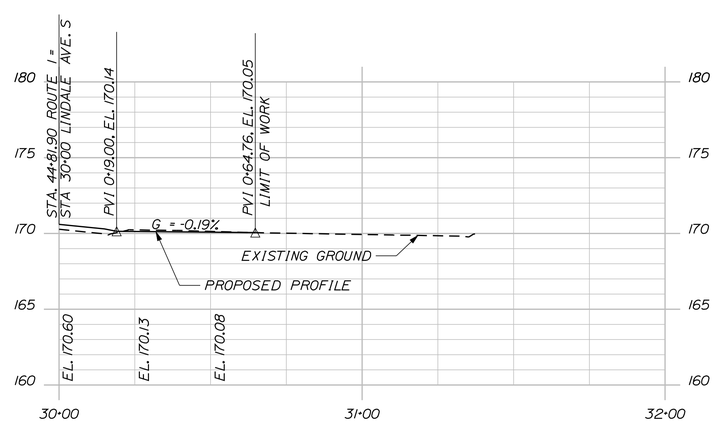
SHEET NUMBER
27
OF 102

Filename: ...\MSTA\027_Profile_04.dgn Division: HIGHWAY Username: jeason Date:6/4/2012

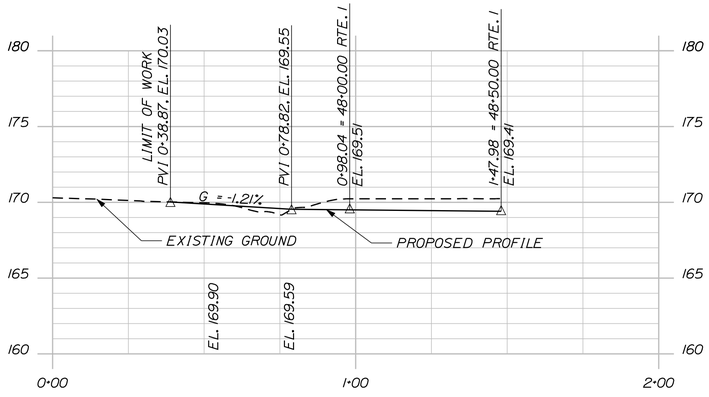


LINDALE AVE. S PROFILE LT.

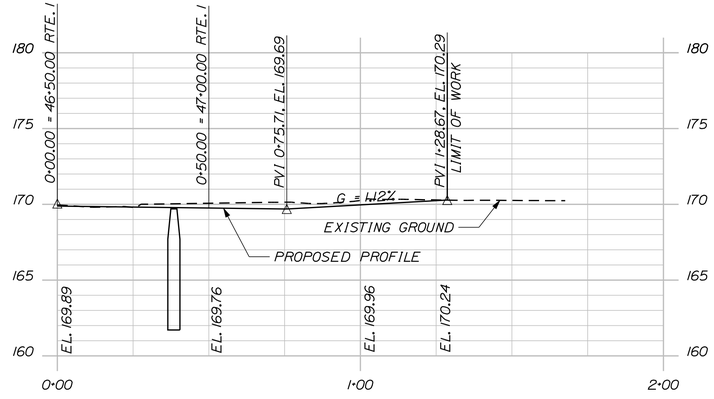
LINDALE AVE. S PROFILE RT.



LINDALE AVE S CL PROFILE



TRAVERS ST. PROFILE LT.



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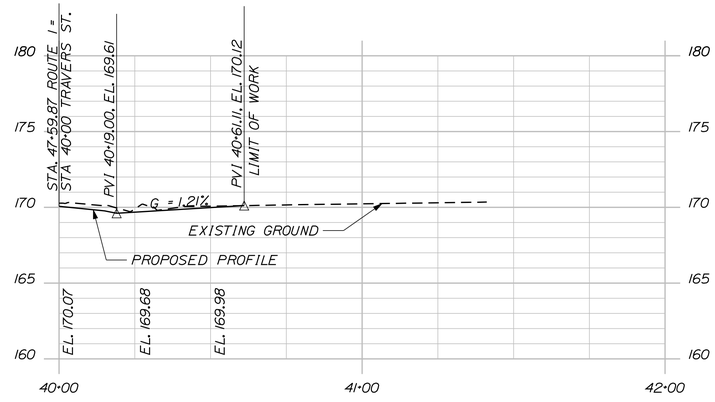
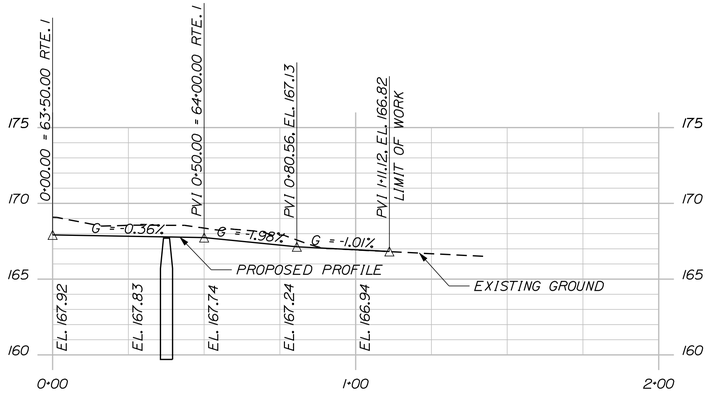
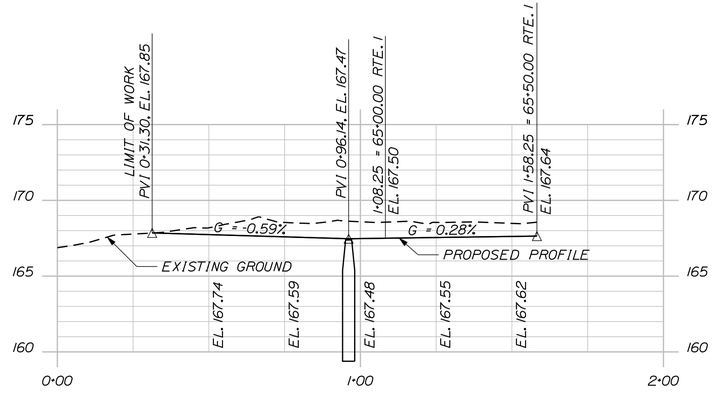


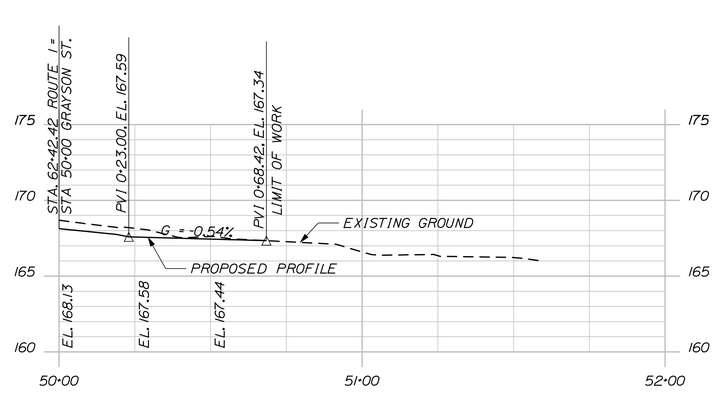
TRAVERS ST CL PROFILE



GRAYSON ST. PROFILE LT.



GRAYSON ST. PROFILE RT.



GRAYSON ST CL PROFILE

STATE OF MAINE
DEPARTMENT OF TRANSPORTATION

STP-1481(400)X

WIN
14814.00

HIGHWAY PLANS

PROJ. MANAGER	ERNIE MARTIN	BY	DATE
DESIGN-DETAILED	MSM	MSM	5-12
CHECKED-REVIEWED	ALG		5-12
DESIGN2-DETAILED2			
DESIGN3-DETAILED3			
REVISIONS 1			
REVISIONS 2			
REVISIONS 3			
REVISIONS 4			
FIELD CHANGES			

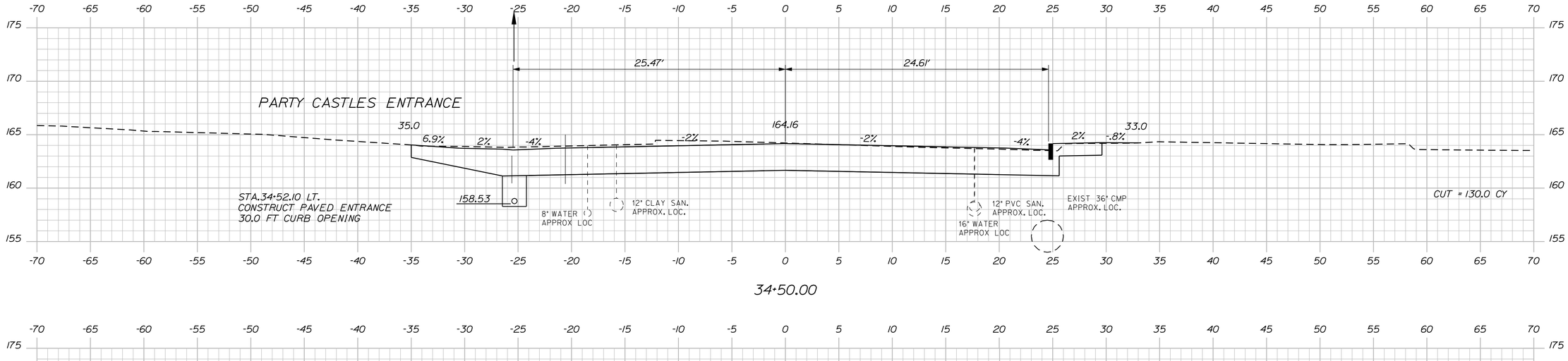
SIGNATURE
4226
P.E. NUMBER
5/23/12
DATE

BIDDEFORD
SIDE STREETS

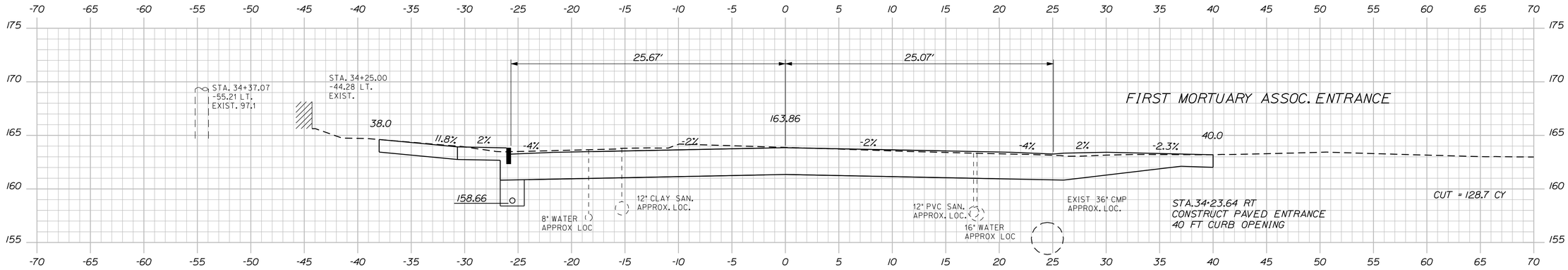
PROFILE

SHEET NUMBER
28
OF 102

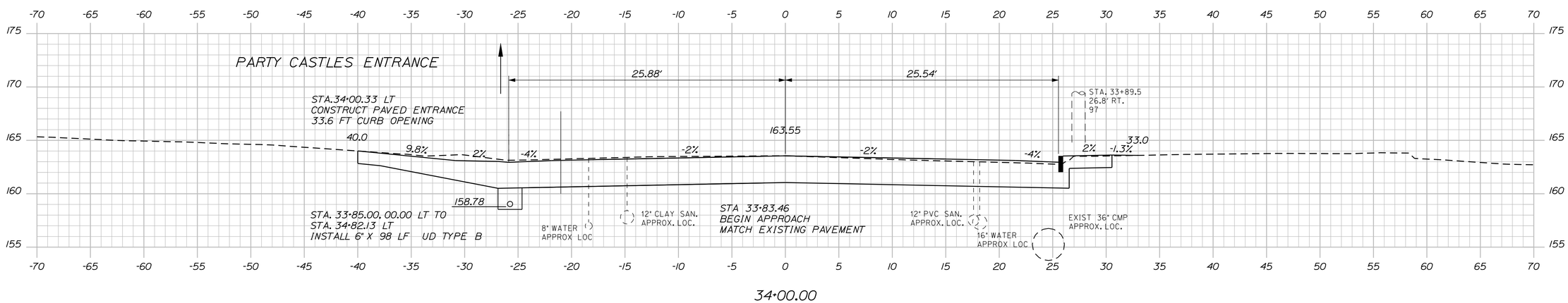
Username: jeason Date:6/4/2012
Division: HIGHWAY
Filename: ...\MSTA\028_Profile_05.dgn



34+50.00



34+25.00



34+00.00

STATE OF MAINE
DEPARTMENT OF TRANSPORTATION

STP-1481(400)X

WIN
14814.00

HIGHWAY PLANS

	BY	DATE
	RCL	5-12
		5-12

PROJ. MANAGER	ERNIE MARTIN
DESIGN-DETAILED	RCL
CHECKED-REVIEWED	ALG
DESIGN2-DETAILED2	
DESIGN3-DETAILED3	
REVISIONS 1	
REVISIONS 2	
REVISIONS 3	
REVISIONS 4	
FIELD CHANGES	

SIGNATURE
4226
P.E. NUMBER
5/23/12
DATE

BIDDEFORD
ROUTE 1

CROSS SECTIONS

SHEET NUMBER
29
OF 102

Sta. 34+00.00 to Sta. 34+50.00

Filename: ...\MSTA\029_XSECT_34+00_000.dgn Username: jeason Division: HIGHWAY Date:6/4/2012

Filename: ...\MSTA\030_XSECT_34+75_001.dgn Username: jeason Division: HIGHWAY Date:6/4/2012

STA. 34+86.13 LT. TO STA. 36+19.36 LT.
INSTALL 24" X 134 LF UD TYPE 'C'

STA. 34+84.0 LT. TO
STA. 0+32.89 LT. (BEAUDOIN AVE.)
INSTALL 12" X 36 LF CULVERT PIPE OPT III

STA. 34+84.13, 24.06' LT.
INSTALL CB TYPE A5-C
2 FT CONE
EXTRA DEPTH
RIM = 163.92
6" INV. IN = 158.37
12" INV. IN = 158.37
24" INV. IN = 156.10
24" INV. OUT = 154.86

STA. 35+06.45
32.12 LT.
EXIST.

6.00' 25.07' 23.67'

45.2 164.77 33.0

2% -4% -2% -2% -4% 2% VAR.

158.37 156.10 24" RCP S = -1.00% 154.86

12" CLAY SAN. APPROX. LOC.
8" WATER APPROX LOC

16" WATER APPROX LOC
12" PVC SAN. APPROX. LOC.

158.21

APPROX. TEL.

CUT = 130.1 CY

STA 34+84.13 LT TO STA 34+82.00 RT 35+00.00
INSTALL 24" X 46 LF RCP. CLASS III

STA. 34+82.00, 22.88' RT
INSTALL 72" CB TYPE A5-C
FLAT TOP
EXTRA DEPTH
RIM = 163.91
24" INV. IN = 154.40
18" INV. IN = 158.00
12" INV. IN = 155.31
8" INV. IN = MATCH EXISTING
36" INV. OUT = 154.15

24.01' 164.55

2% 2.5% -4% 33.0

REMOVE CB AND PLUG EXIST 15" RCP CROSSPIPE

UG TEL.
120" X 19"

EXIST. DROP INLET TYPE
STA 34+82.0, 24.8' RT
RIM = 163.59
8" PVC = ???
15" RCP = 158.77
12" RCP = 155.31
36" RCP = 154.15

158.00'

16" WATER APPROX LOC
12" PVC SAN. APPROX. LOC.

24" RCP S = -1.00% 154.40 154.15

CONNECTION OF EXISTING PIPES TO NEW CATCH BASIN WILL BE INCIDENTAL TO ITEM 604.

34+82.00

STA. 34+85.00 RT. TO STA. 36+48.29 RT.
INSTALL 18" X 164 LF UD TYPE C

6.00' 25.26' 24.14'

37.5 164.47 33.0

2% -4% -2% -2% -4% 2% 2%

158.40

8" WATER APPROX LOC
12" CLAY SAN. APPROX. LOC.

16" WATER APPROX LOC
12" PVC SAN. APPROX. LOC.
EXIST 36" CMP APPROX. LOC.

CUT = 130.5 CY

34+75.00

STATE OF MAINE
DEPARTMENT OF TRANSPORTATION

STP-1481(400)X

WIN 14814.00

HIGHWAY PLANS

	BY	DATE
PROJ. MANAGER	ERNIE MARTIN	
DESIGN-DETAILED	RCL	5-12
CHECKED-REVIEWED	ALC	5-12
DESIGN2-DETAILED2		
DESIGN3-DETAILED3		
REVISIONS 1		
REVISIONS 2		
REVISIONS 3		
REVISIONS 4		
FIELD CHANGES		

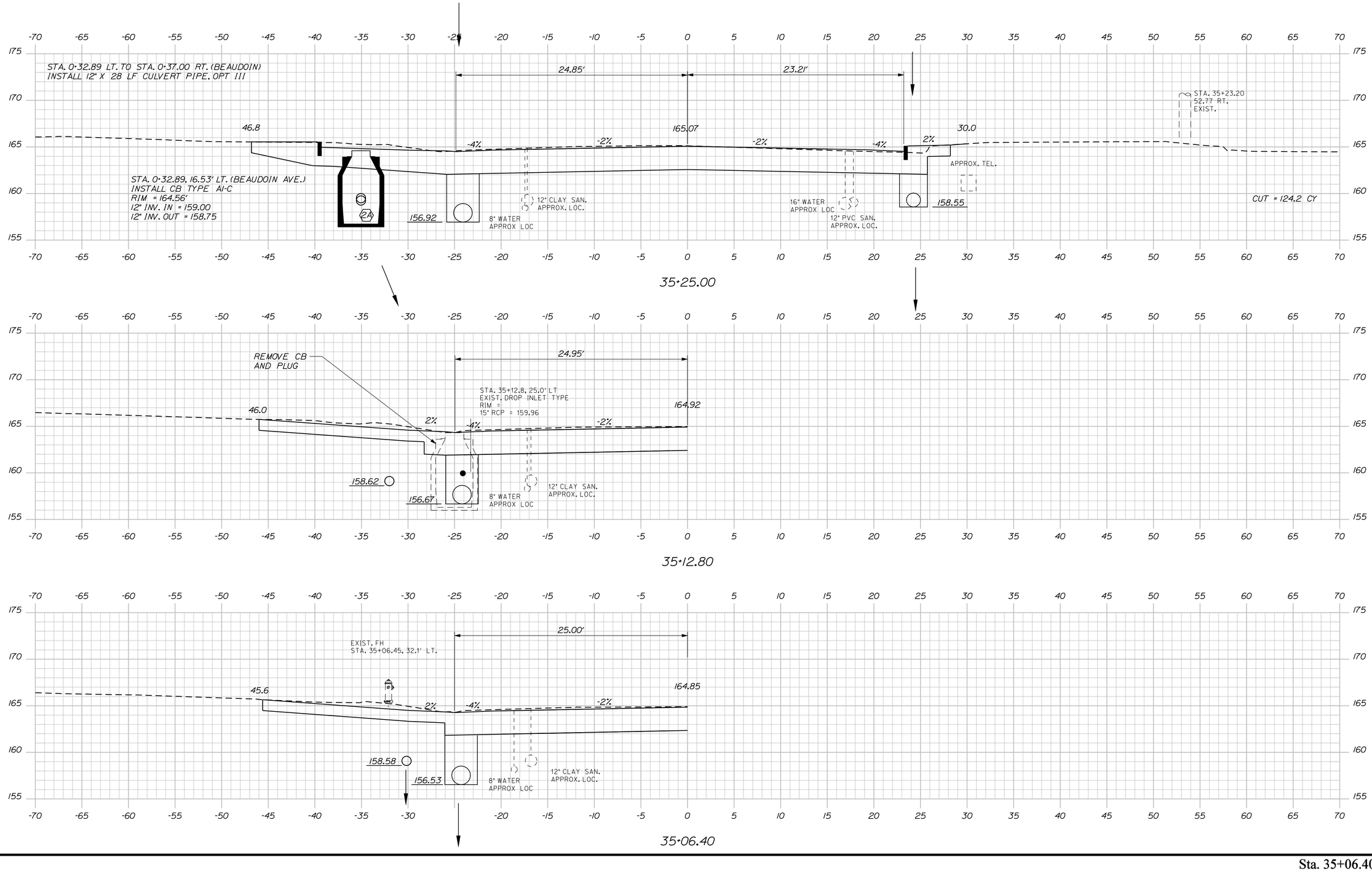
SIGNATURE
4226
P.E. NUMBER
5/23/12
DATE

BIDDEFORD
ROUTE 1

CROSS SECTIONS

SHEET NUMBER
30
OF 102

Sta. 34+75.00 to Sta. 35+00.00



STATE OF MAINE
DEPARTMENT OF TRANSPORTATION

STP-1481(400)X

WIN
14814.00

HIGHWAY PLANS

	BY	DATE
ERNIE MARTIN	RCL	
PROJ. MANAGER	RCL	5-12
DESIGN-DETAILED	RCL	5-12
CHECKED-REVIEWED	ALG	
DESIGN2-DETAILED2		
DESIGN3-DETAILED3		
REVISIONS 1		
REVISIONS 2		
REVISIONS 3		
REVISIONS 4		
FIELD CHANGES		

SIGNATURE
4226
P.E. NUMBER
5/23/12
DATE

BIDDEFORD
ROUTE 1

CROSS SECTIONS

SHEET NUMBER
31
OF 102

Sta. 35+06.40 to Sta. 35+25.00

Filename: ...\MSTA\031_XSECT_35+06_002.dgn Division: HIGHWAY Username: jeason Date:6/4/2012

Filename: ...\MSTA\032_XSECT_35+37_003.dgn Username: jeason Division: HIGHWAY Date:6/4/2012

STATE OF MAINE
DEPARTMENT OF TRANSPORTATION

STP-1481(400)X

WIN 14814.00

HIGHWAY PLANS

	SIGNATURE
	4226
	P.E. NUMBER
	5/23/12
	DATE

PROJ. MANAGER	ERNIE MARTIN	BY	DATE
DESIGN-DETAILED	RCL	RCL	5-12
CHECKED-REVIEWED	ALC		5-12
DESIGN2-DETAILED2			
DESIGN3-DETAILED3			
REVISIONS 1			
REVISIONS 2			
REVISIONS 3			
REVISIONS 4			
FIELD CHANGES			

BIDDEFORD
ROUTE 1

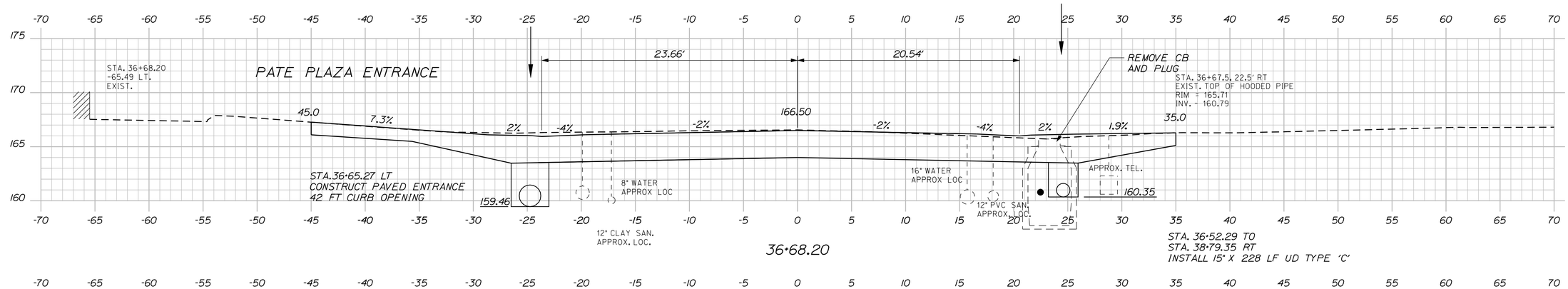
CROSS SECTIONS

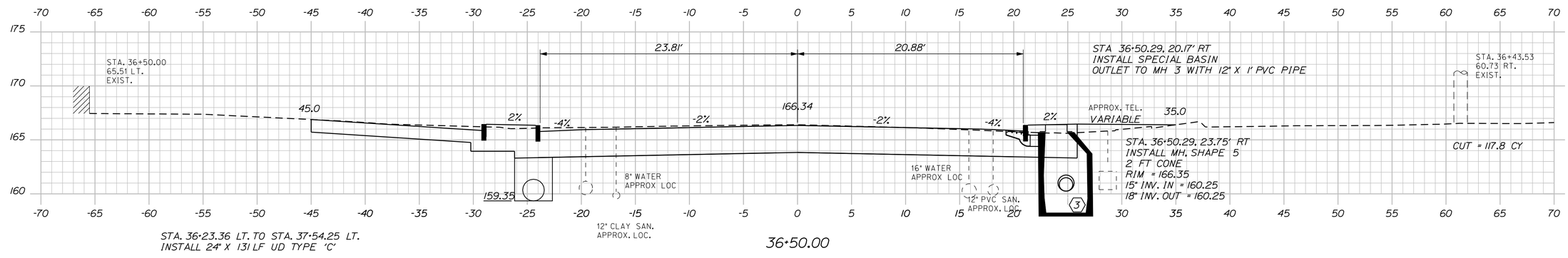
SHEET NUMBER

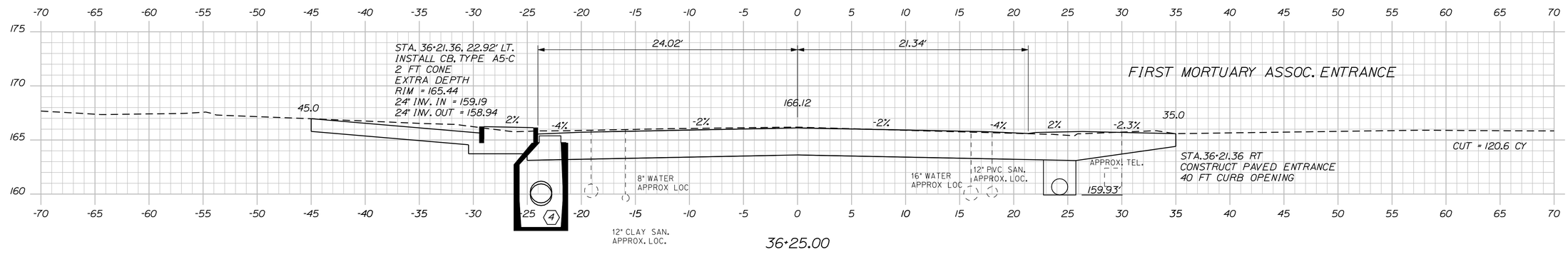
32

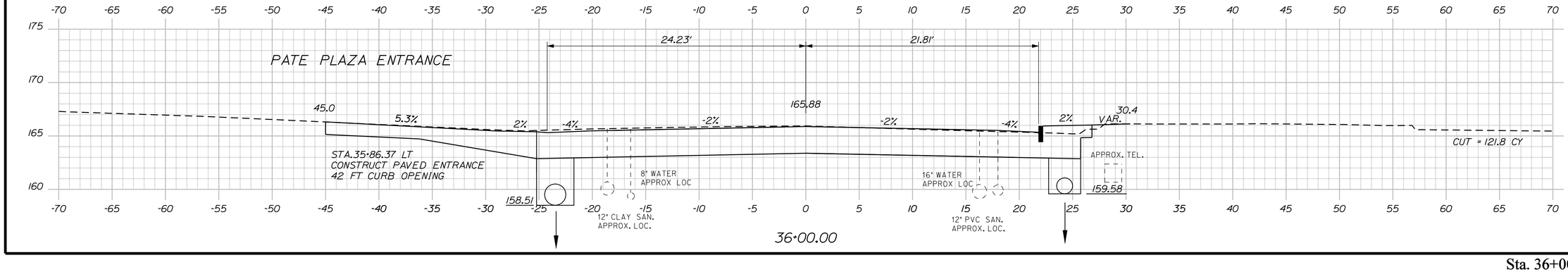
OF 102

Sta. 35+37.80 to Sta. 35+75.00









STATE OF MAINE
DEPARTMENT OF TRANSPORTATION

STP-1481(400)X

WIN
14814.00

HIGHWAY PLANS

	BY	DATE
PROJ. MANAGER	ERNIE MARTIN	
DESIGN-DETAILED	RCL	5-12
CHECKED-REVIEWED	ALG	5-12
DESIGN2-DETAILED2		
DESIGN3-DETAILED3		
REVISIONS 1		
REVISIONS 2		
REVISIONS 3		
REVISIONS 4		
FIELD CHANGES		

SIGNATURE
4226
P.E. NUMBER
5/23/12
DATE

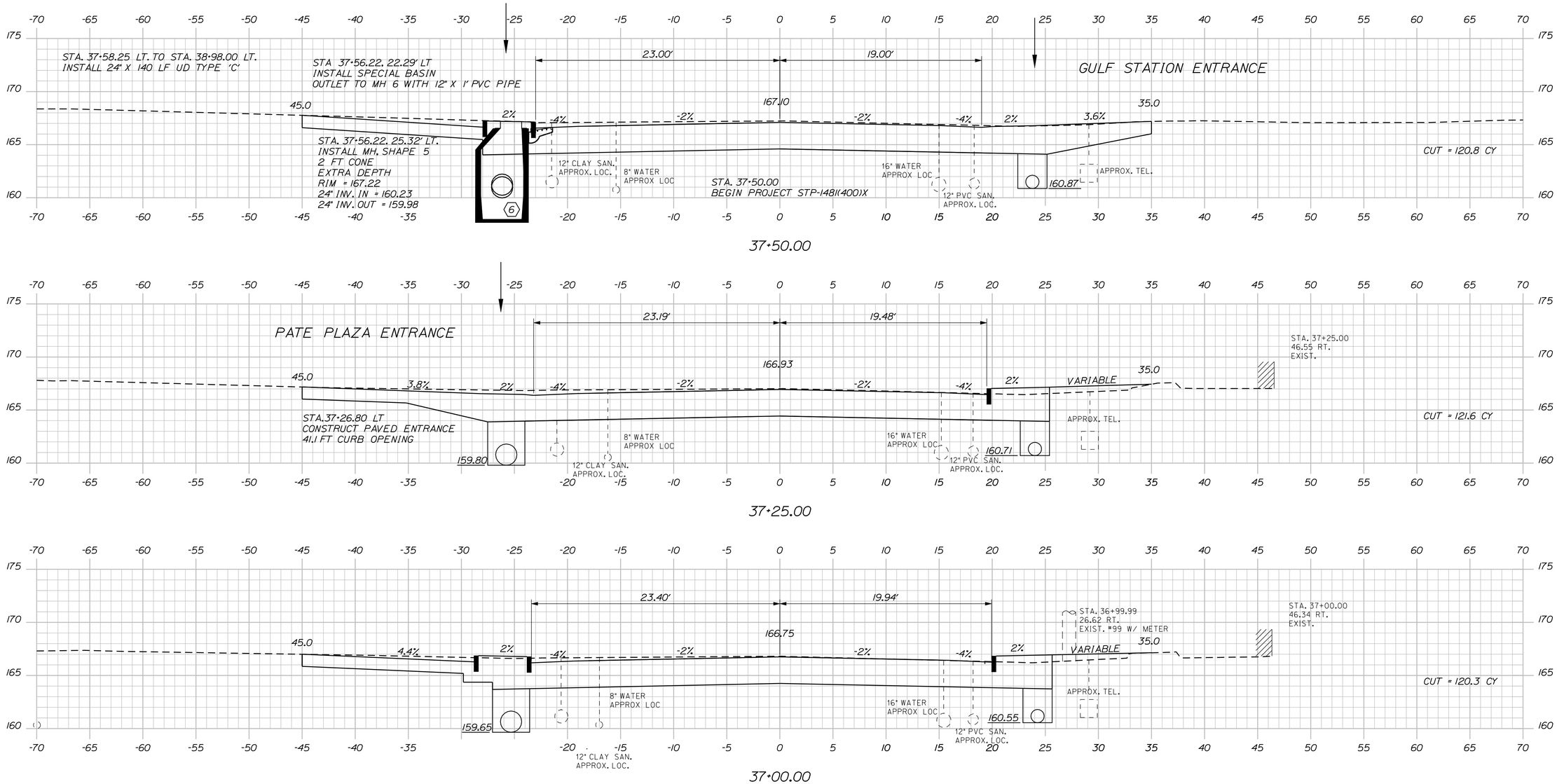
BIDDEFORD
ROUTE 1

CROSS SECTIONS

SHEET NUMBER
33
OF 102

Sta. 36+00.00 to Sta. 36+68.20

Filename: ...\MSTA\033_XSECT_36+00_004.dgn Division: HIGHWAY Username: jeason Date:6/4/2012



STATE OF MAINE
DEPARTMENT OF TRANSPORTATION

STP-1481(400)X

WIN 14814.00

HIGHWAY PLANS

		BY	DATE
PROJ. MANAGER	ERNIE MARTIN		
DESIGN-DETAILED	RCL	RCL	5-12
CHECKED-REVIEWED	ALG		5-12
DESIGN2-DETAILED2			
DESIGN3-DETAILED3			
REVISIONS 1			
REVISIONS 2			
REVISIONS 3			
REVISIONS 4			
FIELD CHANGES			

SIGNATURE
4226
P.E. NUMBER
5/23/12
DATE

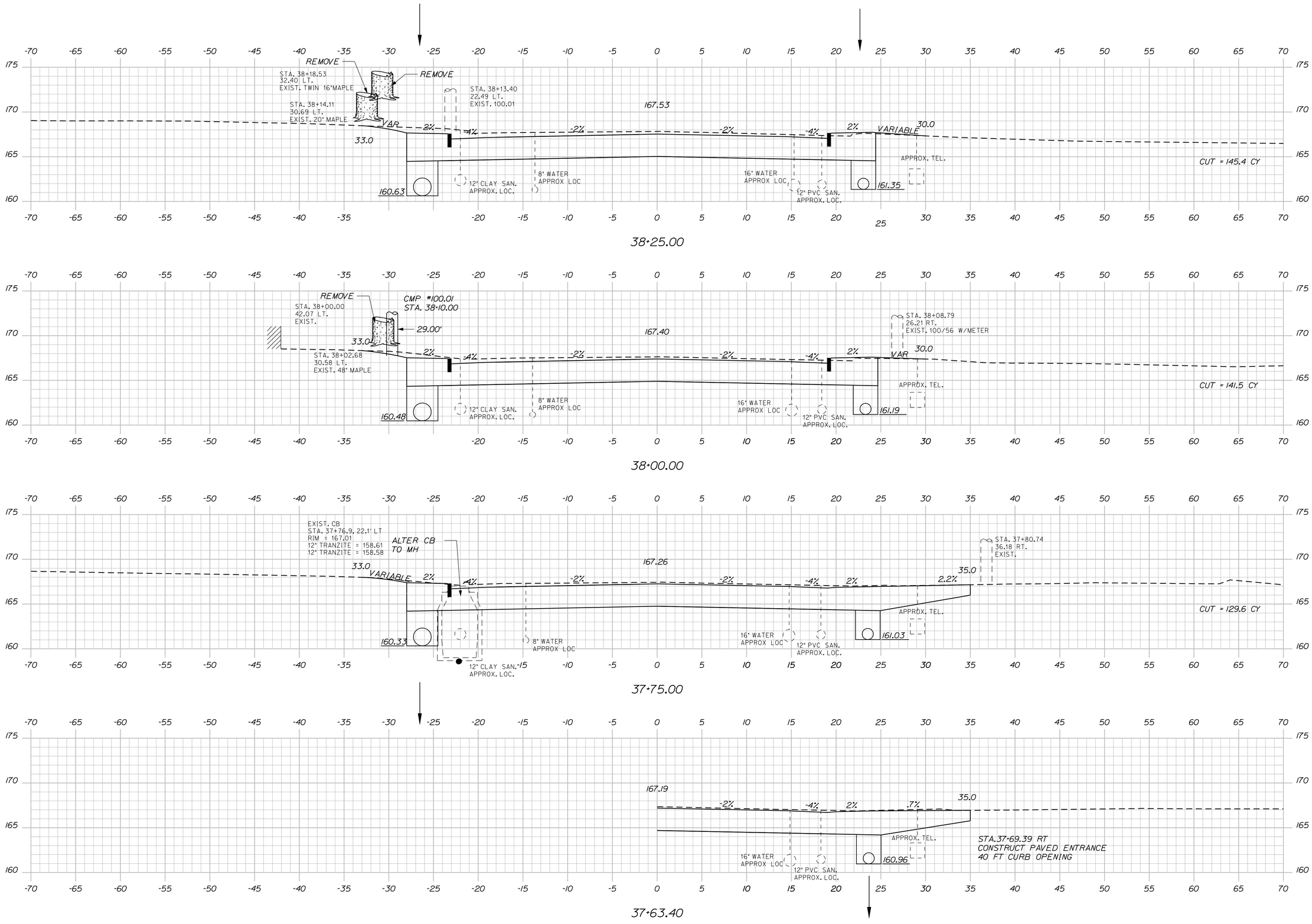
BIDDEFORD
ROUTE 1

CROSS SECTIONS

SHEET NUMBER
34
OF 102

Sta. 36+75.00 to Sta. 37+50.00

Filename: ...\MSTA\034_XSECT_36+75_005.dgn Division: HIGHWAY Username: jeason Date:6/4/2012



STATE OF MAINE
DEPARTMENT OF TRANSPORTATION

STP-1481(400)X

WIN 14814.00

HIGHWAY PLANS

		BY	DATE
PROJ. MANAGER	ERNIE MARTIN		
DESIGN-DETAILED	RCL	RCL	5-12
CHECKED-REVIEWED	ALG		5-12
DESIGN2-DETAILED2			
DESIGN3-DETAILED3			
REVISIONS 1			
REVISIONS 2			
REVISIONS 3			
REVISIONS 4			
FIELD CHANGES			

SIGNATURE
4226
P.E. NUMBER
5/23/12
DATE

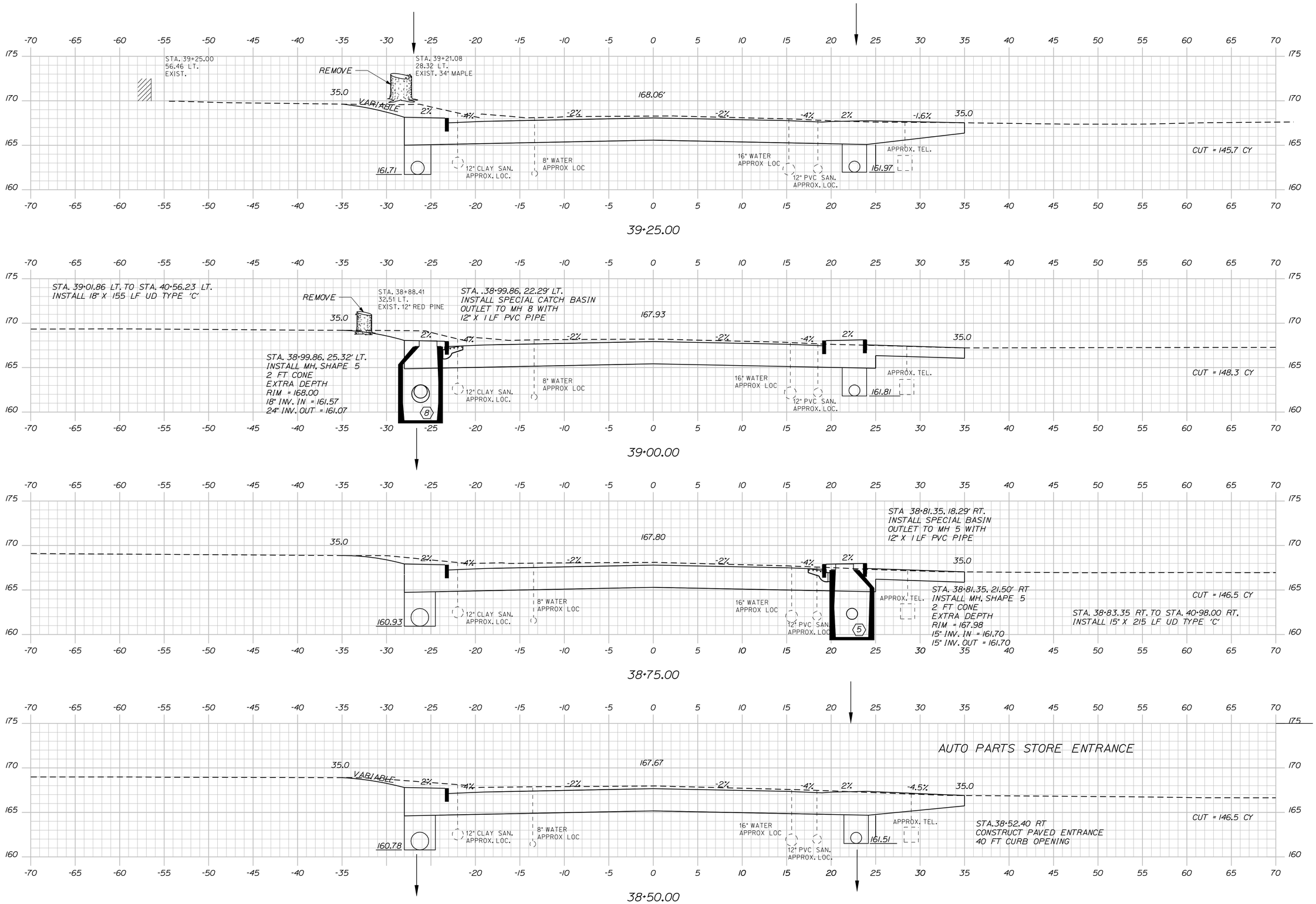
BIDDEFORD
ROUTE 1

CROSS SECTIONS

SHEET NUMBER
35
OF 102

Sta. 37+63.40 to Sta. 38+25.00

Filename: ...\MSTA\035_XSECT_37+63_006.dgn Division: HIGHWAY Username: jeason Date:6/4/2012



STATE OF MAINE
DEPARTMENT OF TRANSPORTATION

STP-1481(400)X

WIN
14814.00

HIGHWAY PLANS

PROJ. MANAGER	ERNIE MARTIN		
DESIGN-DETAILED	RCL	BY	DATE
CHECKED-REVIEWED	ALG	RCL	5-12
DESIGN2-DETAILED2		ALG	5-12
DESIGN3-DETAILED3			
REVISIONS 1			
REVISIONS 2			
REVISIONS 3			
REVISIONS 4			
FIELD CHANGES			

SIGNATURE

4226

P.E. NUMBER

5/23/12

DATE

BIDDEFORD
ROUTE 1

CROSS SECTIONS

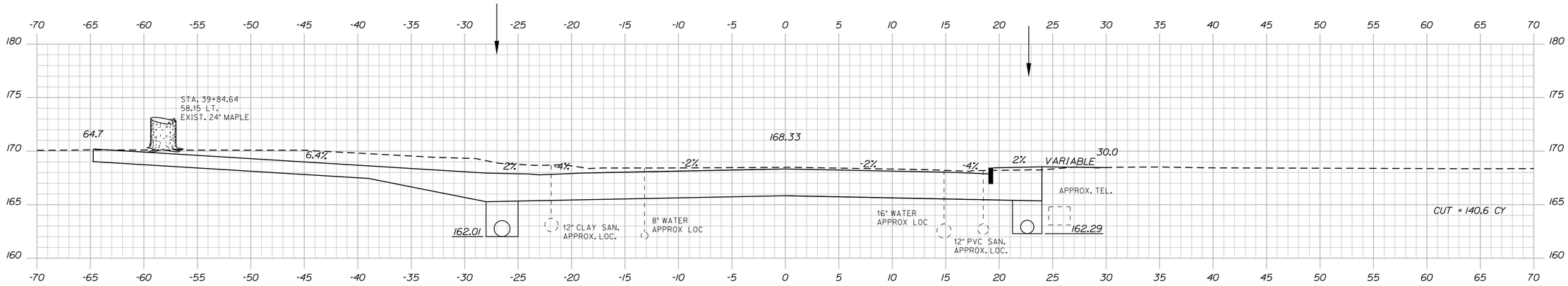
SHEET NUMBER

36

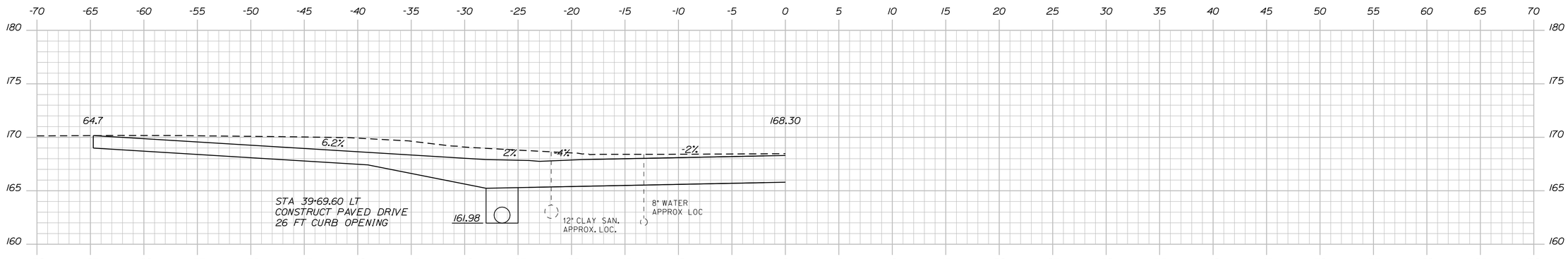
OF 102

Sta. 38+50.00 to Sta. 39+25.00

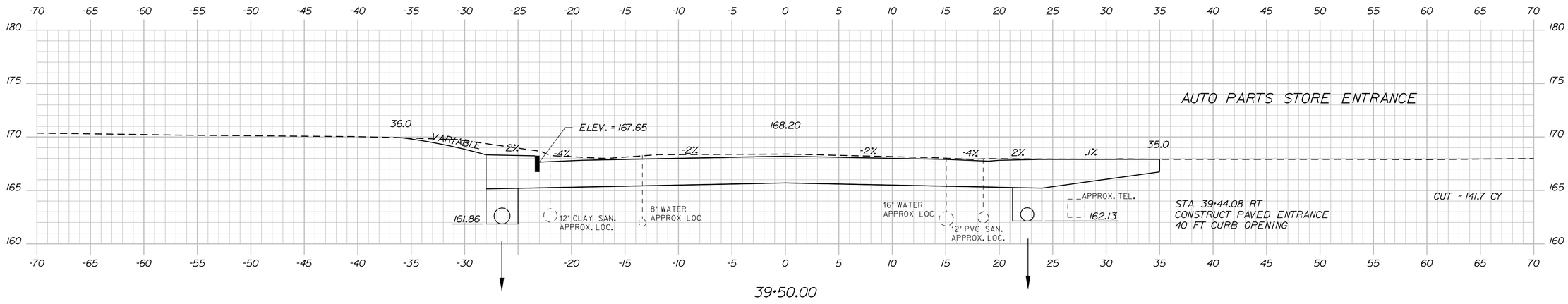
Filename: ...\MSTA\036_XSECT_38+50_007.dgn Division: HIGHWAY Username: jeason Date:6/4/2012



39+75.00



39+69.60



39+50.00

Sta. 39+50.00 to Sta. 39+75.00

STATE OF MAINE
DEPARTMENT OF TRANSPORTATION

STP-1481(400)X

WIN
14814.00

HIGHWAY PLANS

PROJ. MANAGER	ERNIE MARTIN	BY	DATE
DESIGN-DETAILED	RCL	RCL	5-12
CHECKED-REVIEWED	ALG		5-12
DESIGN2-DETAILED2			
DESIGN3-DETAILED3			
REVISIONS 1			
REVISIONS 2			
REVISIONS 3			
REVISIONS 4			
FIELD CHANGES			

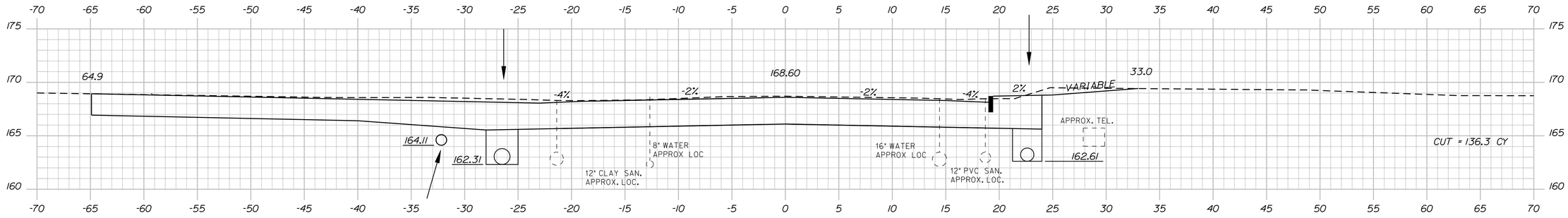
SIGNATURE
4226
P.E. NUMBER
5/23/12
DATE

BIDDEFORD
ROUTE 1

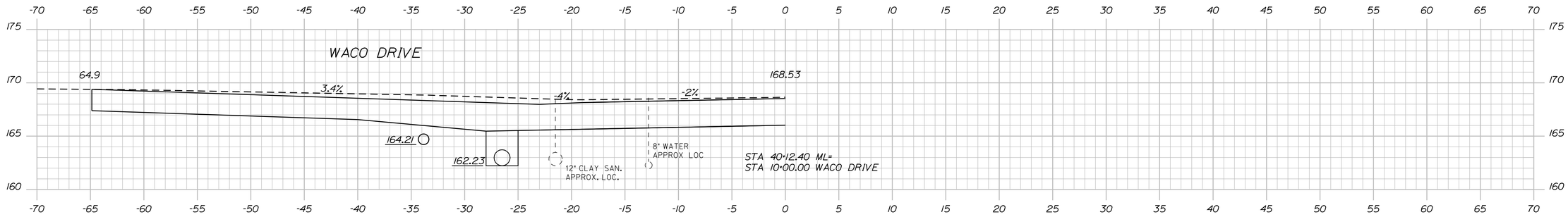
CROSS SECTIONS

SHEET NUMBER
37
OF 102

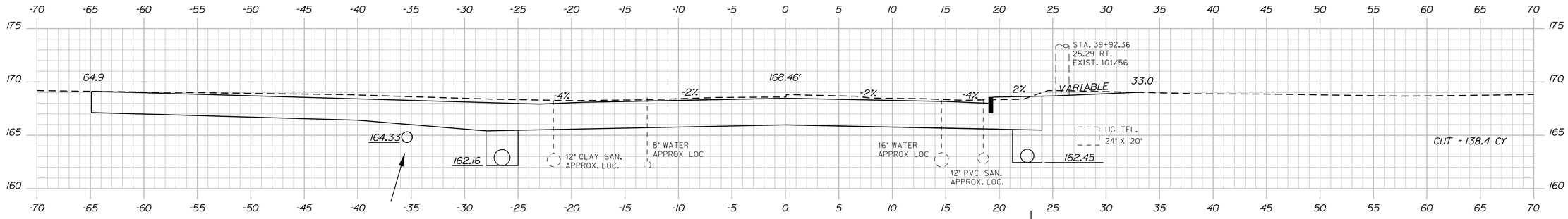
Filename: ...\MSTA\037_XSECT_39+50_008.dgn Division: HIGHWAY Username: jeason Date:6/4/2012



40+25.00

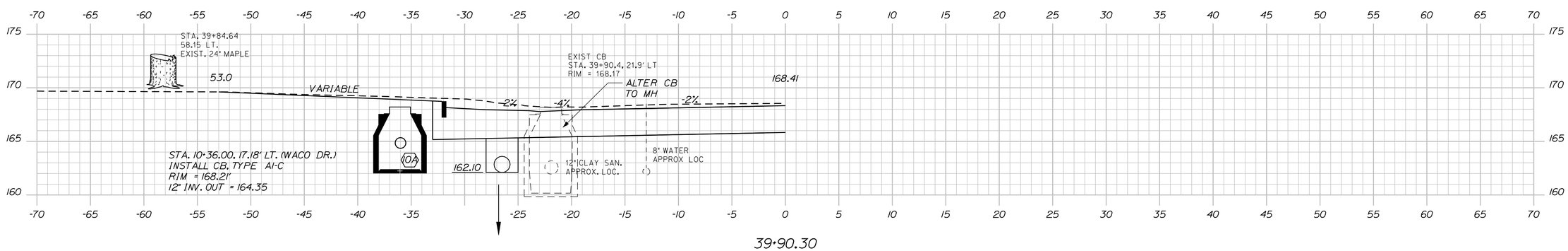


40+12.40



STA. 10+36.00 LT. (CB10A)
TO STA. 10+31.00 RT. (CB10B) WACO DRIVE
INSTALL 12" X 36 LF CULVERT PIPE. OPT III

40+00.00



STA. 10+36.00, 17.18' LT. (WACO DR.)
INSTALL CB, TYPE A1-C
RIM = 168.21'
12" INV. OUT = 164.35

39+90.30

STATE OF MAINE
DEPARTMENT OF TRANSPORTATION

STP-1481(400)X

WIN
14814.00

HIGHWAY PLANS

PROJ. MANAGER	ERNIE MARTIN	BY	DATE
DESIGN-DETAILED	RCL	RCL	5-12
CHECKED-REVIEWED	RCL	ALG	5-12
DESIGN2-DETAILED2			
DESIGN3-DETAILED3			
REVISIONS 1			
REVISIONS 2			
REVISIONS 3			
REVISIONS 4			
FIELD CHANGES			

SIGNATURE
4226
P.E. NUMBER
5/23/12
DATE

BIDDEFORD
ROUTE 1

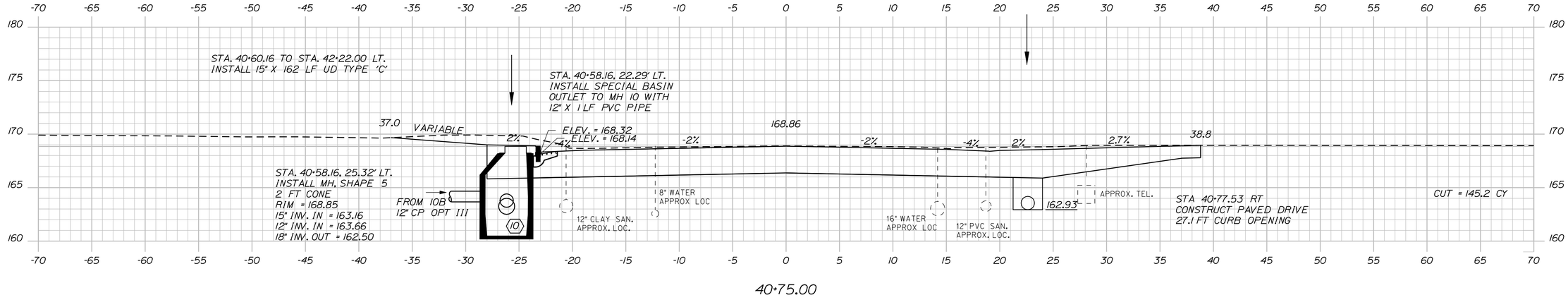
CROSS SECTIONS

SHEET NUMBER
38
OF 102

Sta. 39+90.30 to Sta. 40+25.00

Filename: ...\MSTA\038_XSECT_39+90_009.dgn Division: HIGHWAY Username: jeason Date:6/4/2012

Filename: ...\MSTA\039_XSECT_40-29_010.dgn Division: HIGHWAY Username: jeason Date:6/4/2012



STATE OF MAINE
DEPARTMENT OF TRANSPORTATION

STP-1481(400)X

WIN
14814.00

HIGHWAY PLANS

PROJ. MANAGER	ERNIE MARTIN	BY	DATE
DESIGN-DETAILED	RCL	RCL	5-12
CHECKED-REVIEWED	ALG		5-12
DESIGN2-DETAILED2			
DESIGN3-DETAILED3			
REVISIONS 1			
REVISIONS 2			
REVISIONS 3			
REVISIONS 4			
FIELD CHANGES			

SIGNATURE

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P.E. NUMBER

5/23/12

DATE

BIDDEFORD
ROUTE 1

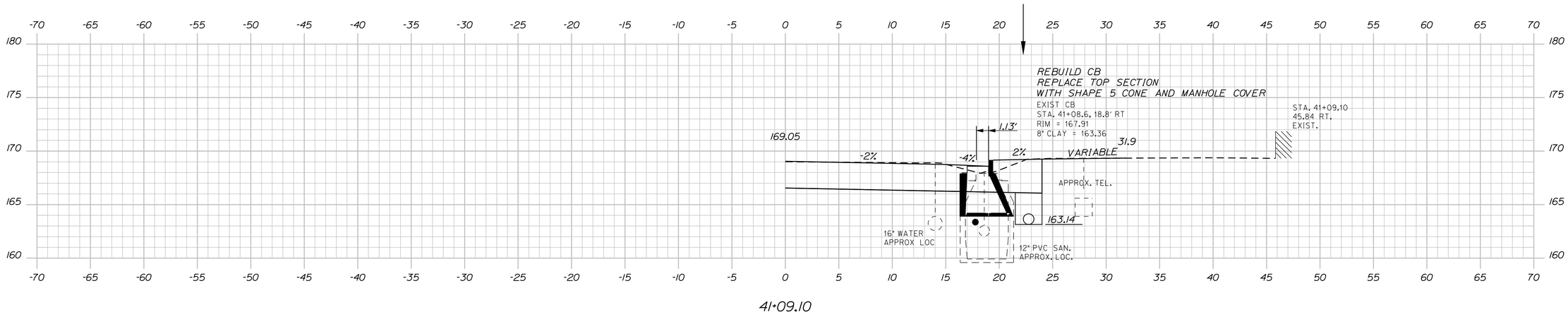
CROSS SECTIONS

SHEET NUMBER

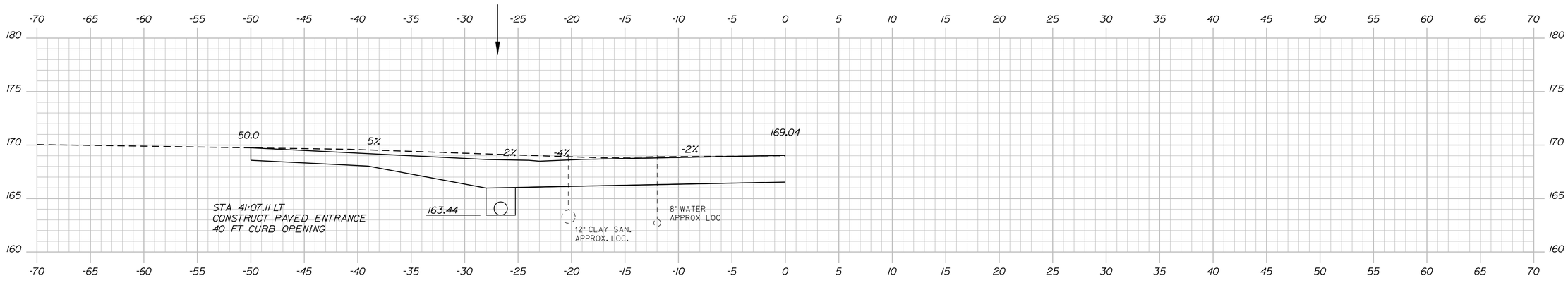
39

OF 102

Sta. 40+29.20 to Sta. 40+75.50

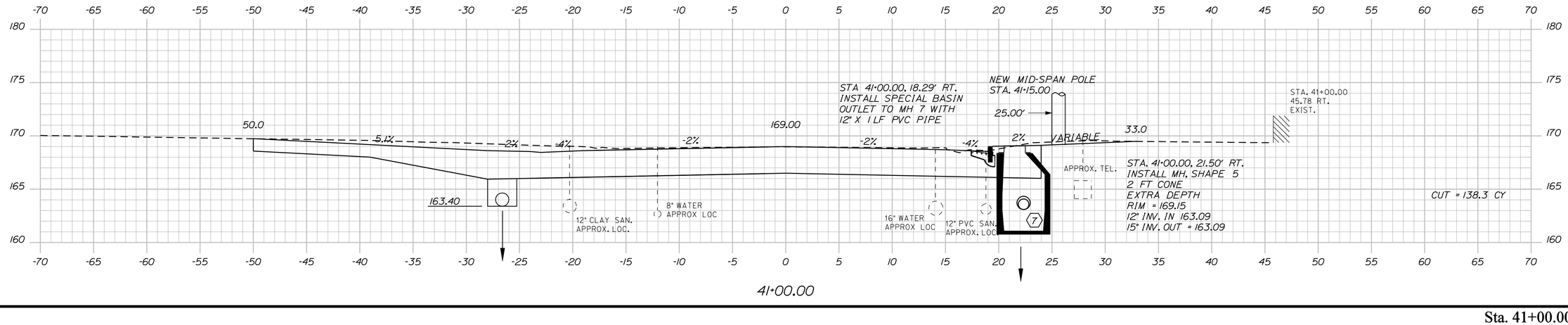


41+09.10



41+07.30

STA. 41+02.00 TO STA. 42+52.84 RT.
INSTALL 12" X 151 LF UD TYPE 'C'



41+00.00

STATE OF MAINE
DEPARTMENT OF TRANSPORTATION

STP-1481(400)X

WIN
14814.00

HIGHWAY PLANS

		BY	DATE
PROJ. MANAGER	ERNIE MARTIN		
DESIGN-DETAILED	RCL	RCL	5-12
CHECKED-REVIEWED	ALG		5-12
DESIGN2-DETAILED2			
DESIGN3-DETAILED3			
REVISIONS 1			
REVISIONS 2			
REVISIONS 3			
REVISIONS 4			
FIELD CHANGES			

SIGNATURE
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P.E. NUMBER
5/23/12
DATE

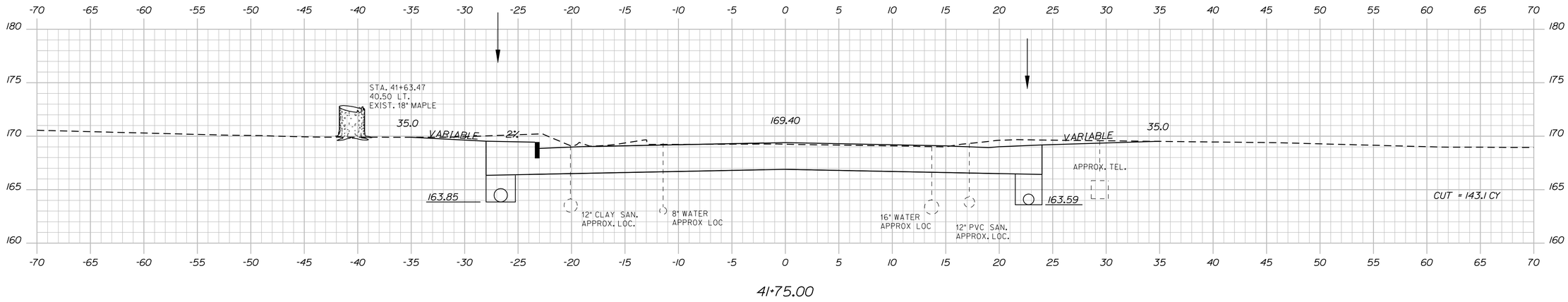
BIDDEFORD
ROUTE 1

CROSS SECTIONS

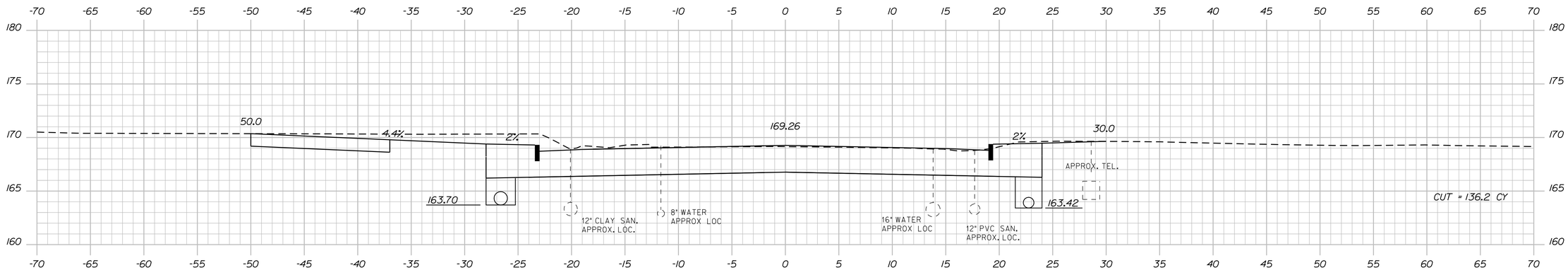
SHEET NUMBER
40
OF 102

Sta. 41+00.00 to Sta. 41+09.10

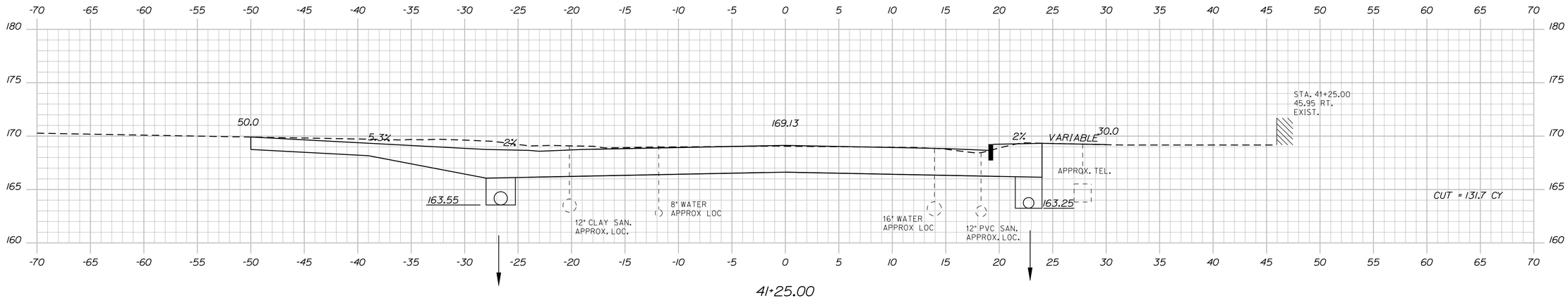
Filename: ...\MSTA\040_XSECT_41+00_011.dgn Division: HIGHWAY Username: jeason Date:6/4/2012



41+75.00



41+50.00



41+25.00

Sta. 41+25.00 to Sta. 41+75.00

STATE OF MAINE
DEPARTMENT OF TRANSPORTATION

STP-1481(400)X

WIN
14814.00

HIGHWAY PLANS

			DATE
PROJ. MANAGER	ERNIE MARTIN	BY	DATE
DESIGN-DETAILED	RCL	RCL	5-12
CHECKED-REVIEWED	ALG		5-12
DESIGN2-DETAILED2			
DESIGN3-DETAILED3			
REVISIONS 1			
REVISIONS 2			
REVISIONS 3			
REVISIONS 4			
FIELD CHANGES			

SIGNATURE
4226
P.E. NUMBER
5/23/12
DATE

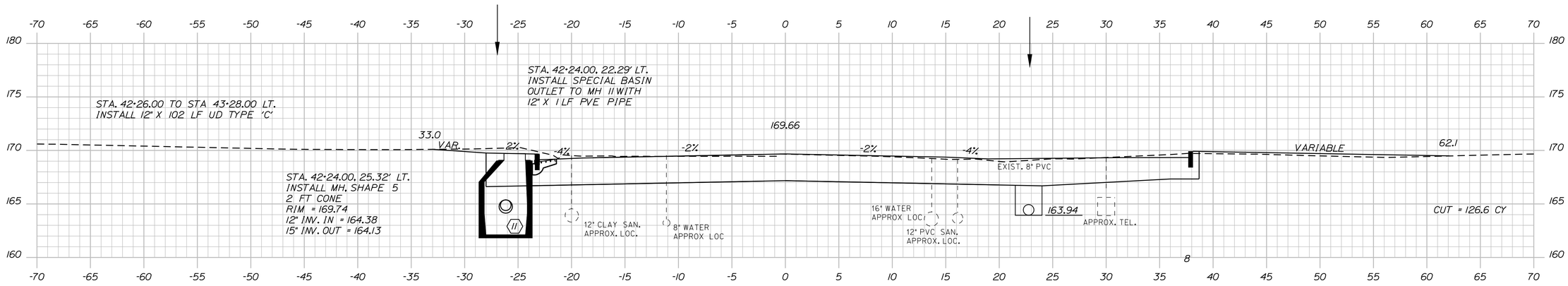
BIDDEFORD
ROUTE 1

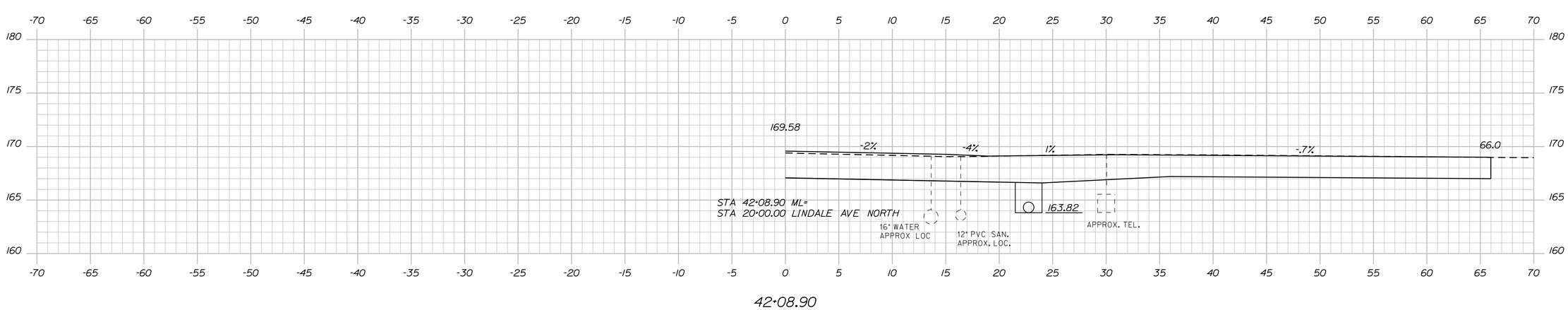
CROSS SECTIONS

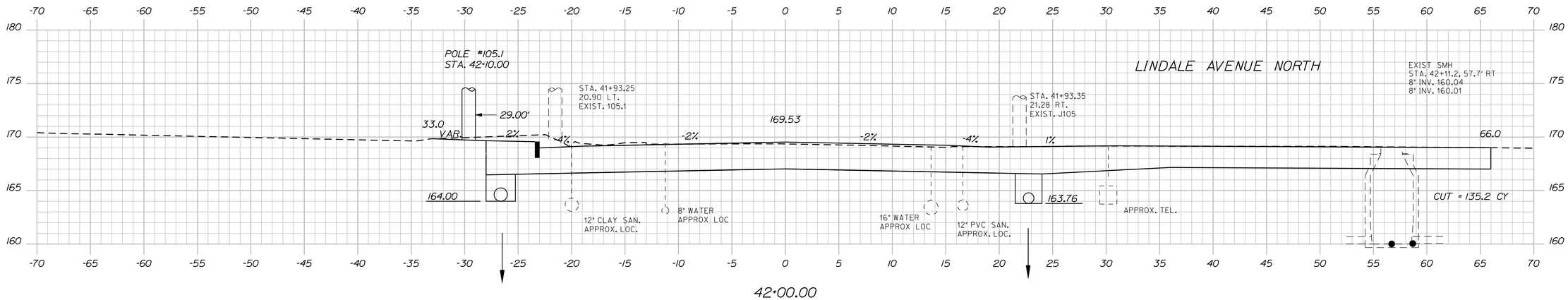
SHEET NUMBER
41
OF 102

Filename: ...\MSTA\041_XSECT_41+25_012.dgn Division: HIGHWAY Username: jeason Date:6/4/2012

Filename: ...\MSTA\042_XSECT_42+00_013.dgn Division: HIGHWAY Username: jeason Date:6/4/2012







STATE OF MAINE
DEPARTMENT OF TRANSPORTATION

STP-1481(400)X

WIN 14814.00

HIGHWAY PLANS

PROJ. MANAGER	ERNIE MARTIN	BY	DATE
DESIGN-DETAILED	RCL	RCL	5-12
CHECKED-REVIEWED	ALG		5-12
DESIGN2-DETAILED2			
DESIGN3-DETAILED3			
REVISIONS 1			
REVISIONS 2			
REVISIONS 3			
REVISIONS 4			
FIELD CHANGES			

SIGNATURE

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P.E. NUMBER

5/23/12

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BIDDEFORD
ROUTE 1

CROSS SECTIONS

SHEET NUMBER

42

OF 102

Sta. 42+00.00 to Sta. 42+25.00

STATE OF MAINE
DEPARTMENT OF TRANSPORTATION

STP-1481(400)X

WIN
14814.00

HIGHWAY PLANS

	BY	DATE
ERNIE MARTIN	RCL	5-12
		5-12

SIGNATURE
4226
P.E. NUMBER
5/23/12
DATE

PROJ. MANAGER	ERNIE MARTIN	RCL
DESIGN-DETAILED	RCL	
CHECKED-REVIEWED	ALG	
DESIGN2-DETAILED2		
DESIGN3-DETAILED3		
REVISIONS 1		
REVISIONS 2		
REVISIONS 3		
REVISIONS 4		
FIELD CHANGES		

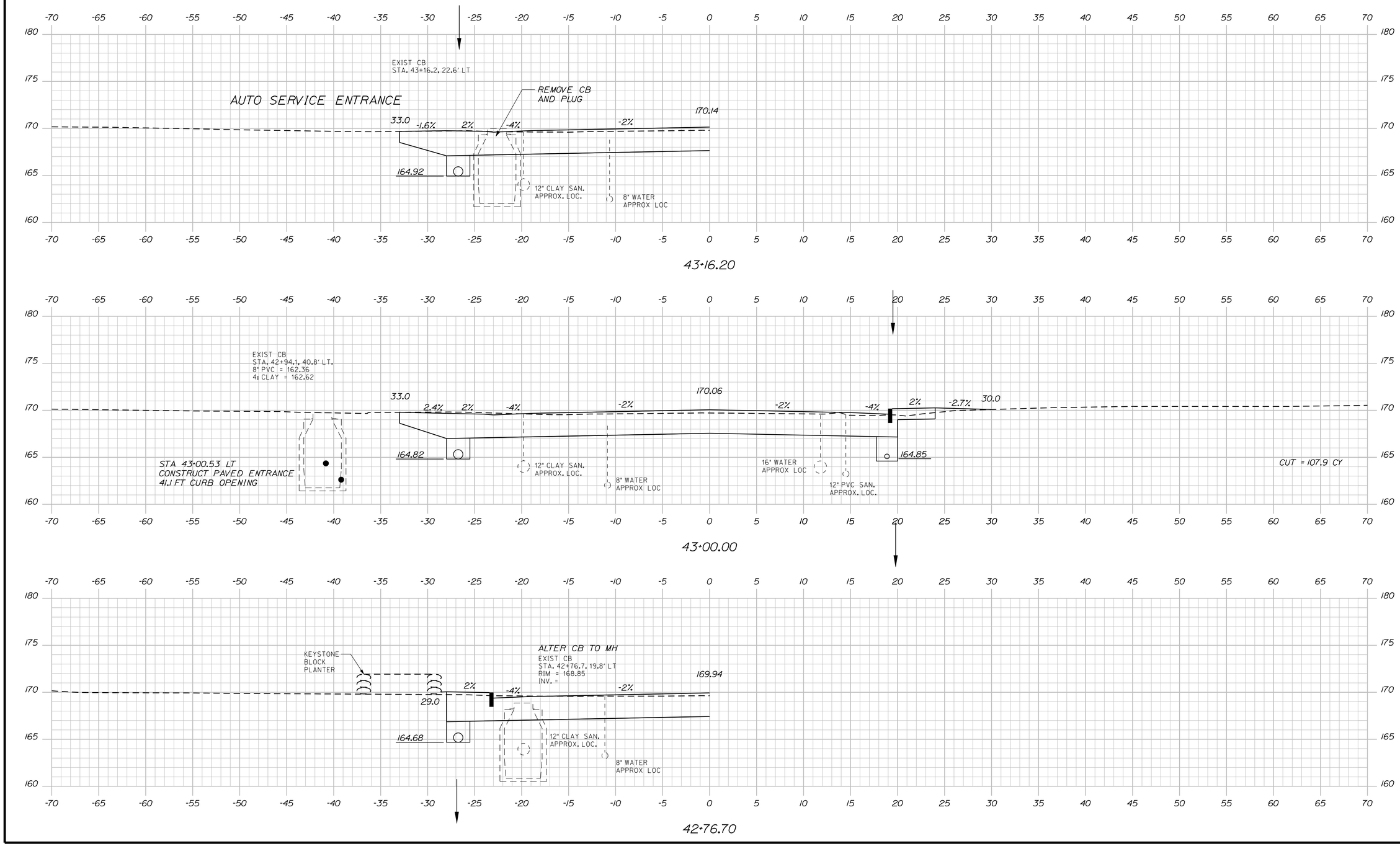
BIDDEFORD
ROUTE 1

CROSS SECTIONS

SHEET NUMBER
43
OF 102

Sta. 42+34.20 to Sta. 42+75.00

Filename: ...\MSTA\04.3_XSECT_42+34_014.dgn Division: HIGHWAY Username: jeason Date:6/4/2012



STATE OF MAINE
DEPARTMENT OF TRANSPORTATION

STP-1481(400)X

WIN
14814.00

HIGHWAY PLANS

PROJ. MANAGER	ERNIE MARTIN		
DESIGN-DETAILED	RCL	BY	DATE
CHECKED-REVIEWED	ALG	RCL	5-12
DESIGN2-DETAILED2		ALG	5-12
DESIGN3-DETAILED3			
REVISIONS 1			
REVISIONS 2			
REVISIONS 3			
REVISIONS 4			
FIELD CHANGES			

SIGNATURE
4226
P.E. NUMBER
5/23/12
DATE

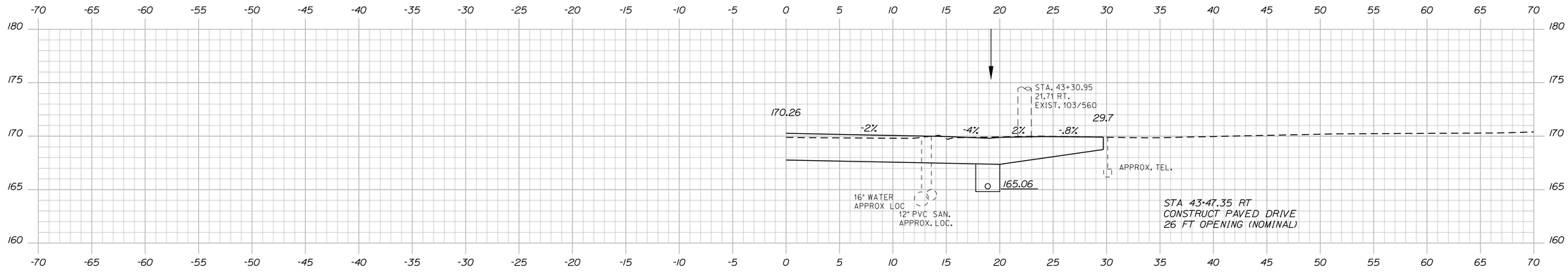
BIDDEFORD
ROUTE 1

CROSS SECTIONS

SHEET NUMBER
44
OF 102

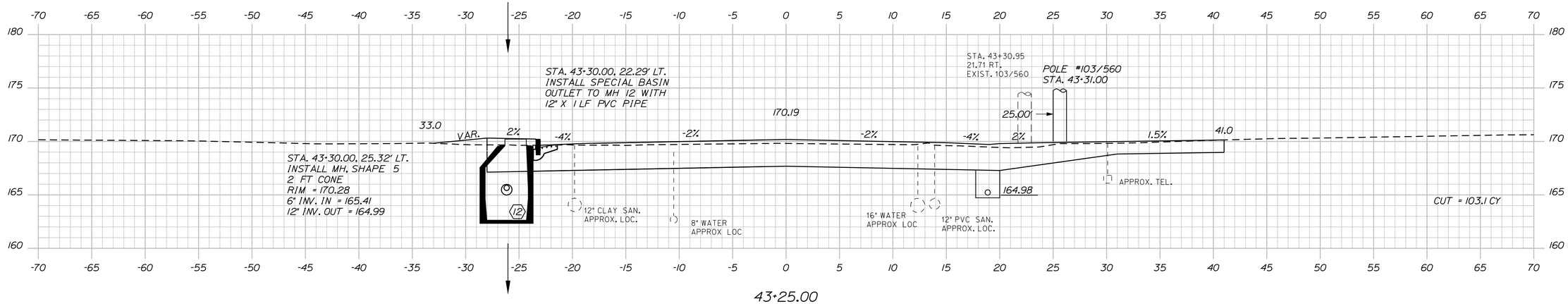
Sta. 42+76.70 to Sta. 43+16.20

Filename: ...\MSTA\044_XSECT_42+76_015.dgn Division: HIGHWAY Username: jeason Date:6/4/2012

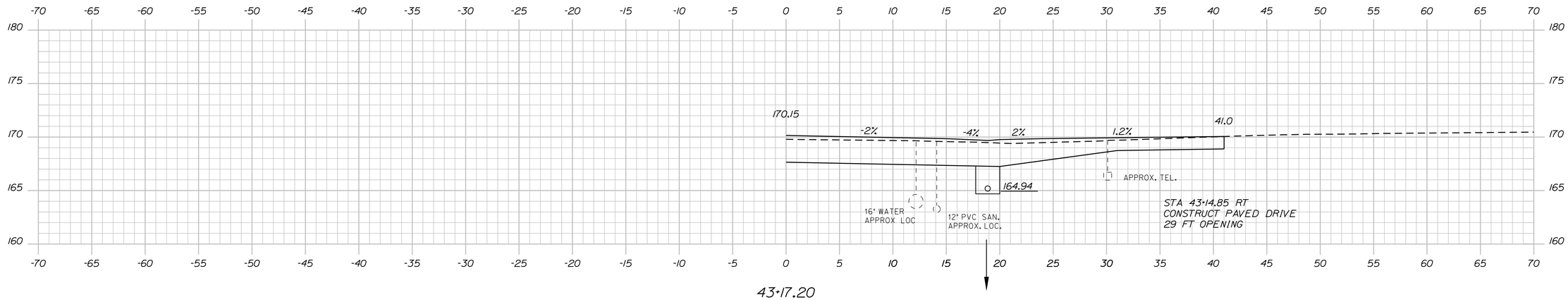


STA. 43+32.00 LT. TO STA. 45+00.00 LT.
INSTALL 6" X 168' UD TYPE 'B'

43+41.20



43+25.00



43+17.20

STATE OF MAINE
DEPARTMENT OF TRANSPORTATION

STP-1481(400)X

WIN
14814.00

HIGHWAY PLANS

PROJ. MANAGER	ERNIE MARTIN	BY	DATE
DESIGN-DETAILED	RCL	RCL	5-12
CHECKED-REVIEWED	ALG		5-12
DESIGN2-DETAILED2			
DESIGN3-DETAILED3			
REVISIONS 1			
REVISIONS 2			
REVISIONS 3			
REVISIONS 4			
FIELD CHANGES			

SIGNATURE
4226
P.E. NUMBER
5/23/12
DATE

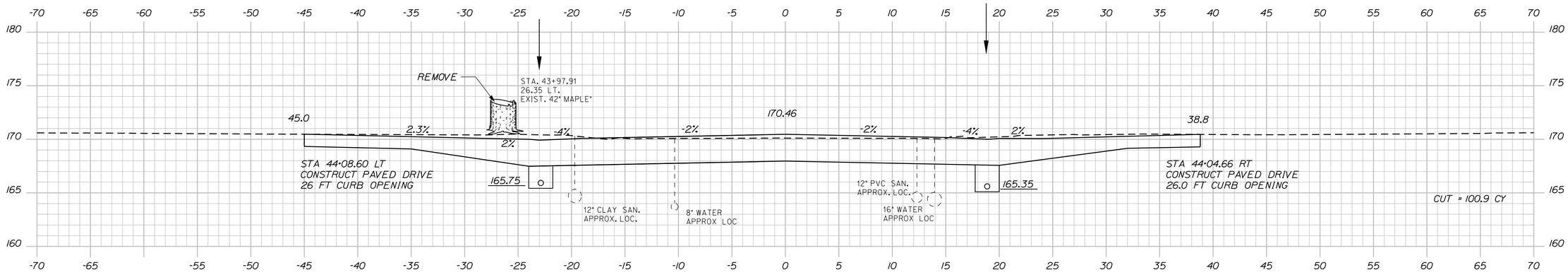
BIDDEFORD
ROUTE 1

CROSS SECTIONS

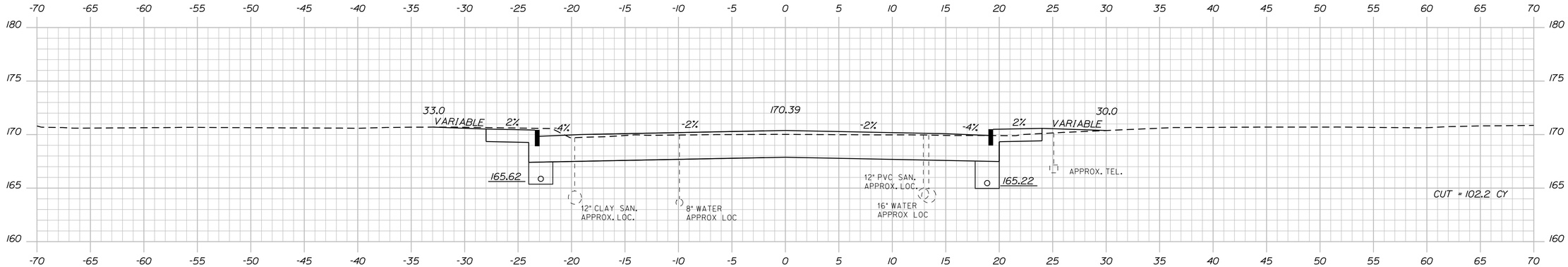
SHEET NUMBER
45
OF 102

Filename: ...\MSTA\045_XSECT_43+17_016.dgn Division: HIGHWAY Username: jeason Date:6/4/2012

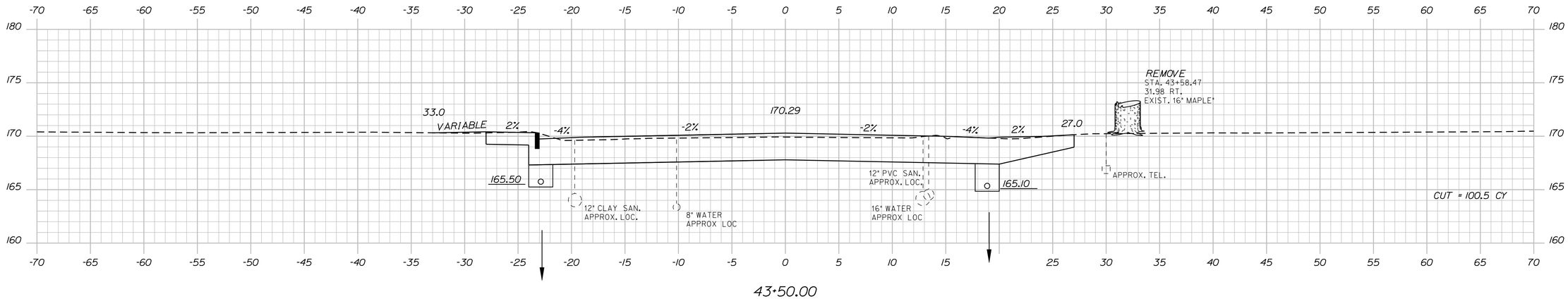
Sta. 43+17.20 to Sta. 43+41.20



44+00.00



43+75.00



43+50.00

STATE OF MAINE
DEPARTMENT OF TRANSPORTATION

STP-1481(400)X

WIN
14814.00

HIGHWAY PLANS

			DATE
PROJ. MANAGER	ERNIE MARTIN	BY	
DESIGN-DETAILED	RCL	RCL	5-12
CHECKED-REVIEWED	ALG		5-12
DESIGN2-DETAILED2			
DESIGN3-DETAILED3			
REVISIONS 1			
REVISIONS 2			
REVISIONS 3			
REVISIONS 4			
FIELD CHANGES			

SIGNATURE

4226

P.E. NUMBER

5/23/12

DATE

BIDDEFORD
ROUTE 1

CROSS SECTIONS

SHEET NUMBER

46

OF 102

Sta. 43+50.00 to Sta. 44+00.00

Filename: ...\MSTA\046_XSECT_43+50_017.dgn Division: HIGHWAY Username: jeason Date:6/4/2012

STATE OF MAINE
DEPARTMENT OF TRANSPORTATION

STP-1481(400)X

WIN
14814.00

HIGHWAY PLANS

	BY	DATE
ENGINEER	ERNIE MARTIN	
PROJ. MANAGER		
DESIGN-DETAILED	RCL	5-12
CHECKED-REVIEWED	RCL	5-12
DESIGN2-DETAILED2	ALG	
DESIGN3-DETAILED3		
REVISIONS 1		
REVISIONS 2		
REVISIONS 3		
REVISIONS 4		
FIELD CHANGES		

SIGNATURE
4226
P.E. NUMBER
5/23/12
DATE

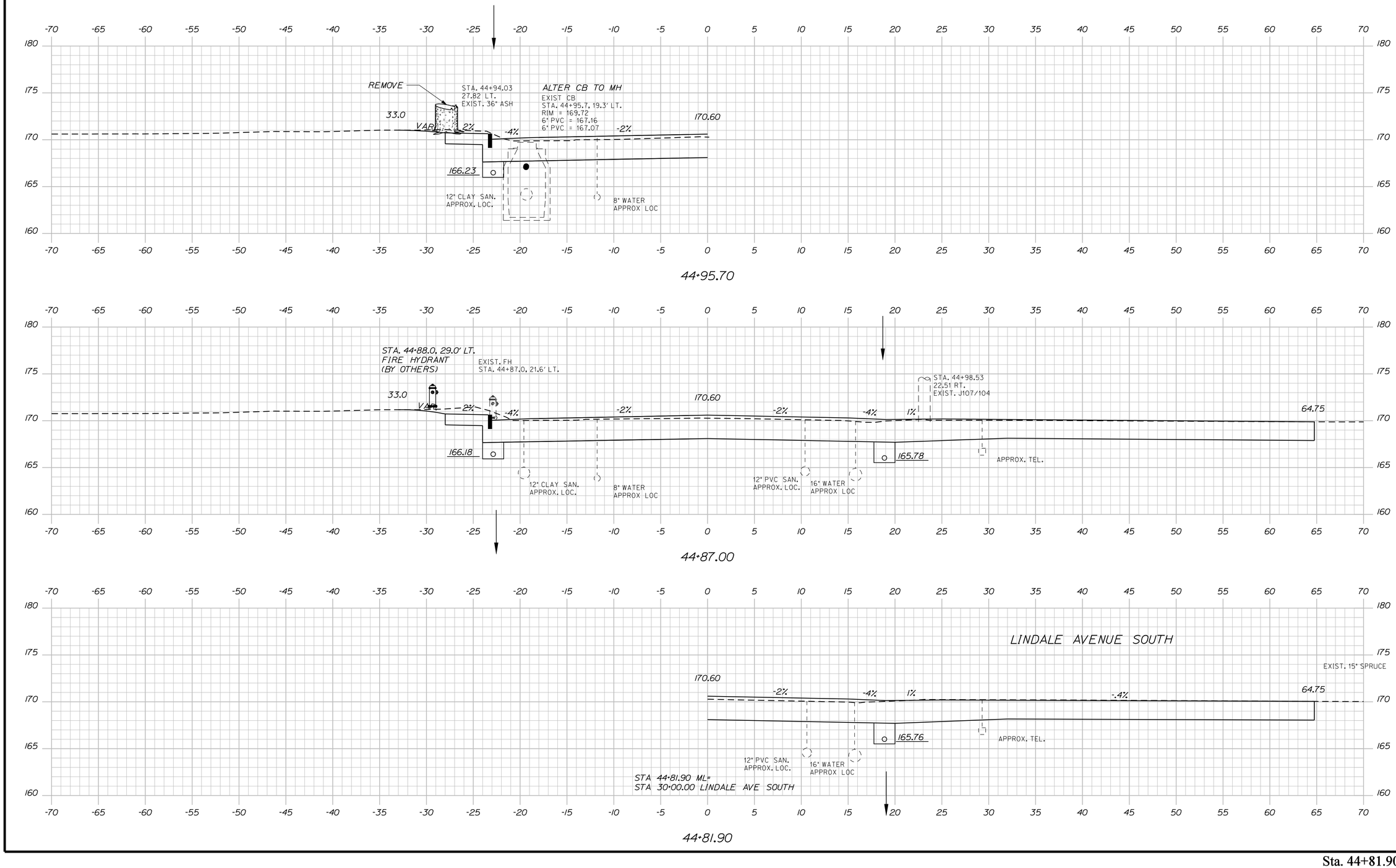
BIDDEFORD
ROUTE 1

CROSS SECTIONS

SHEET NUMBER
47
OF 102

Sta. 44+25.00 to Sta. 44+75.00

Filename: ...\MSTA\047_XSECT_44+25_018.dgn Division: HIGHWAY Username: jeason Date:6/4/2012



STATE OF MAINE
DEPARTMENT OF TRANSPORTATION

STP-1481(400)X

WIN
14814.00

HIGHWAY PLANS

	BY	DATE
ERNIE MARTIN		
PROJ. MANAGER	RCL	5-12
DESIGN-DETAILED	RCL	5-12
CHECKED-REVIEWED	ALG	
DESIGN2-DETAILED2		
DESIGN3-DETAILED3		
REVISIONS 1		
REVISIONS 2		
REVISIONS 3		
REVISIONS 4		
FIELD CHANGES		

SIGNATURE
4226
P.E. NUMBER
5/23/12
DATE

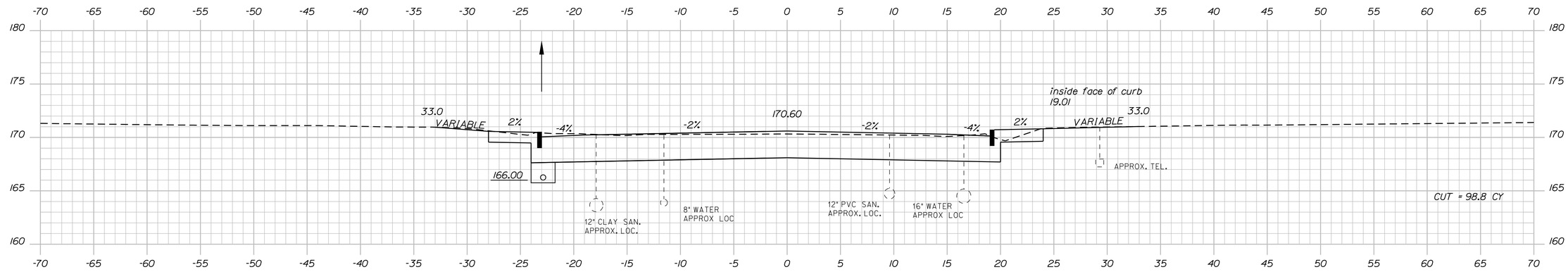
BIDDEFORD
ROUTE 1

CROSS SECTIONS

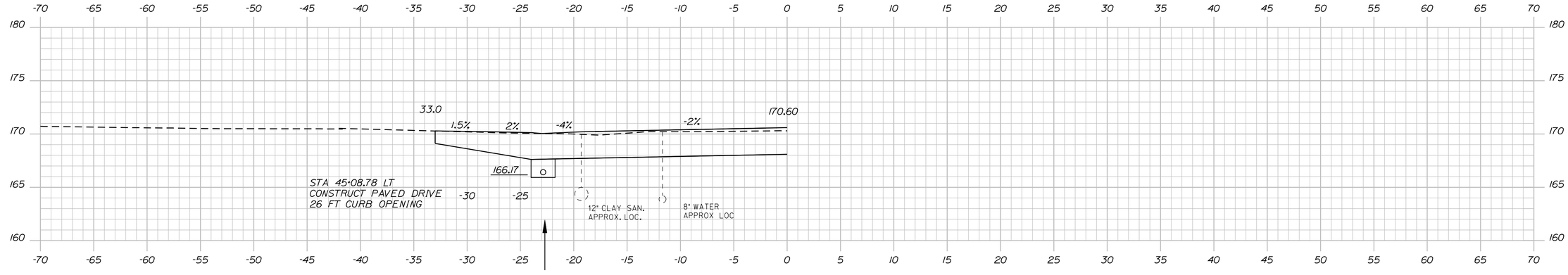
SHEET NUMBER
48
OF 102

Filename: ...\MSTA\048_XSECT_44+81_018.dgn Division: HIGHWAY Username: jeason Date:6/4/2012

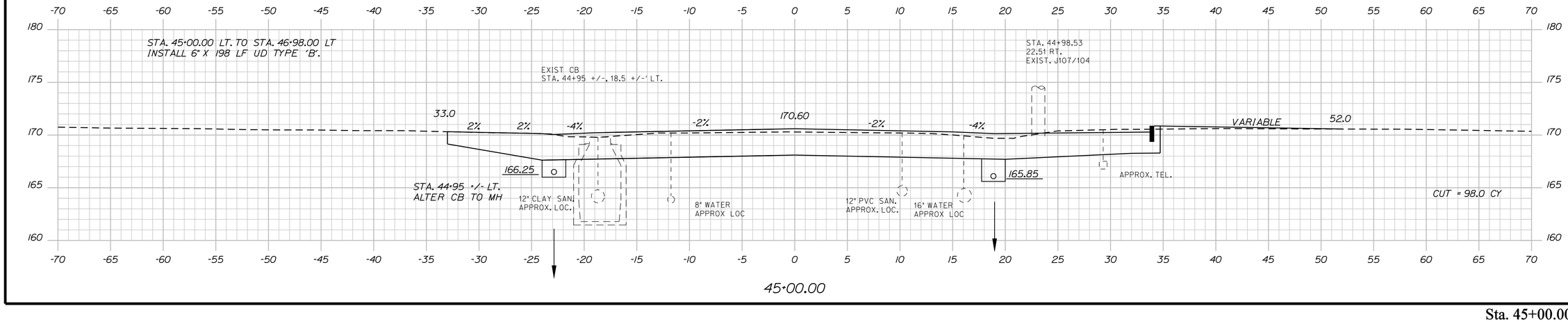
Sta. 44+81.90 to Sta. 44+95.70



45+25.00



45+07.70



45+00.00

STATE OF MAINE
DEPARTMENT OF TRANSPORTATION

STP-1481(400)X

WIN
14814.00

HIGHWAY PLANS

			DATE
PROJ. MANAGER	ERNIE MARTIN	BY	
DESIGN-DETAILED	RCL	RCL	5-12
CHECKED-REVIEWED	ALG		5-12
DESIGN2-DETAILED2			
DESIGN3-DETAILED3			
REVISIONS 1			
REVISIONS 2			
REVISIONS 3			
REVISIONS 4			
FIELD CHANGES			

SIGNATURE

4226

P.E. NUMBER

5/23/12

DATE

BIDDEFORD
ROUTE 1

CROSS SECTIONS

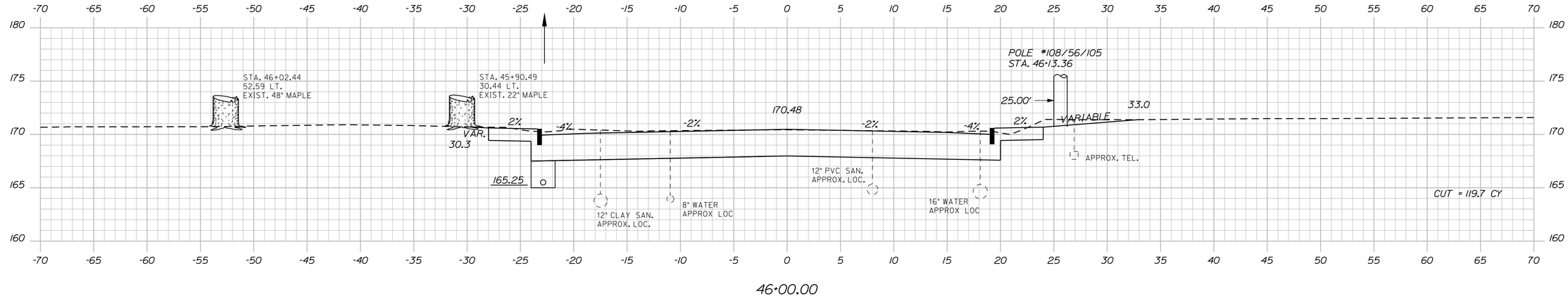
SHEET NUMBER

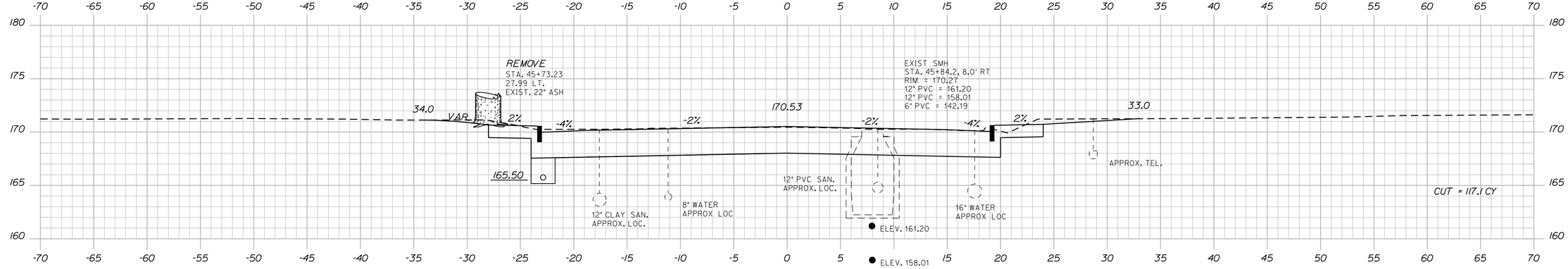
49

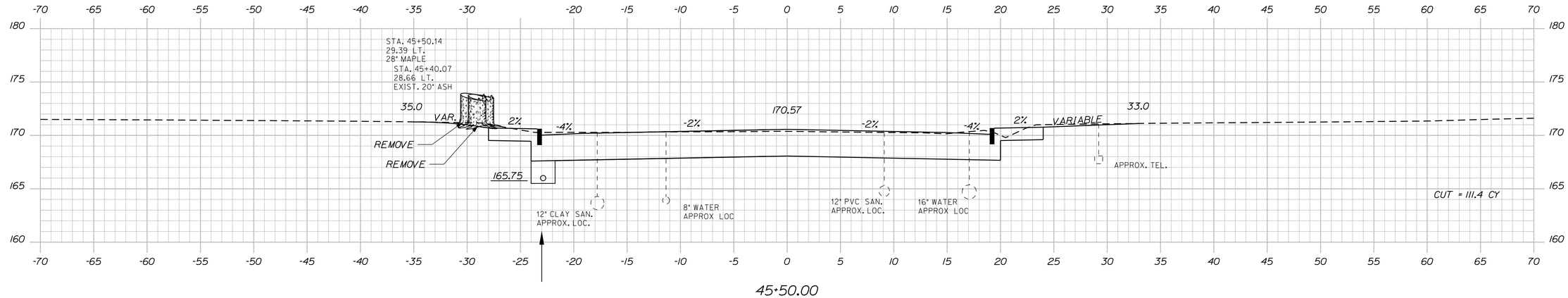
OF 102

Sta. 45+00.00 to Sta. 45+25.00

Filename: ...\MSTA\049_XSECT_45+00_019.dgn Division: HIGHWAY Username: jeason Date:6/4/2012







STATE OF MAINE
DEPARTMENT OF TRANSPORTATION

STP-1481(400)X

WIN
14814.00

HIGHWAY PLANS

SIGNATURE		
4226		
P.E. NUMBER		
5/23/12		
DATE		

	BY	DATE
PROJ. MANAGER	ERNIE MARTIN	
DESIGN-DETAILED	RCL	5-12
CHECKED-REVIEWED	ALG	5-12
DESIGN2-DETAILED2		
DESIGN3-DETAILED3		
REVISIONS 1		
REVISIONS 2		
REVISIONS 3		
REVISIONS 4		
FIELD CHANGES		

BIDDEFORD
ROUTE 1

CROSS SECTIONS

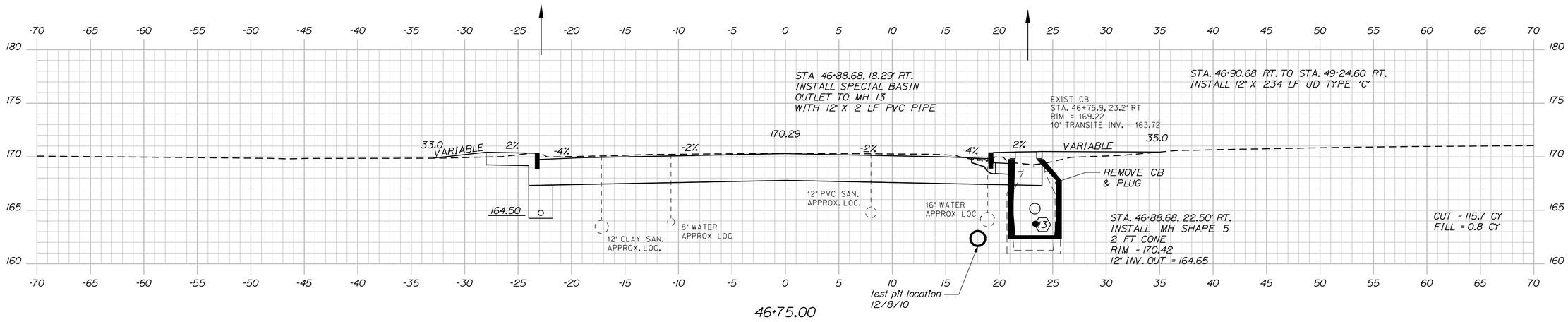
SHEET NUMBER

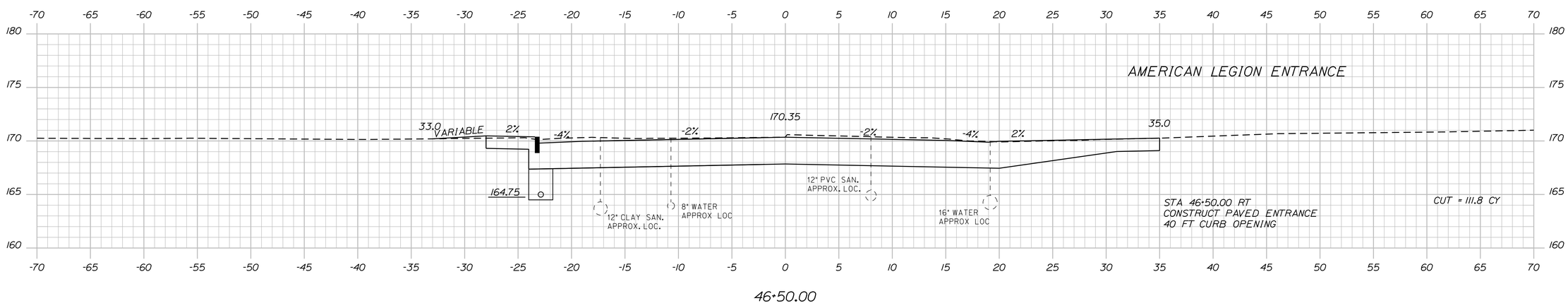
50

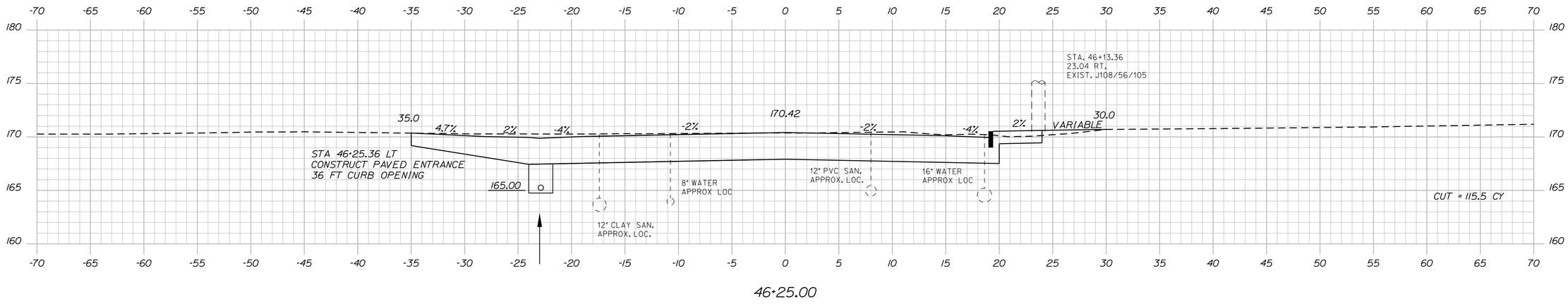
OF 102

Sta. 45+50.00 to Sta. 46+00.00

Filename: ...\MSTA\050_XSECT_45+50_020.dgn Division: HIGHWAY Username: jeason Date:6/4/2012







STATE OF MAINE
DEPARTMENT OF TRANSPORTATION

STP-1481(400)X

WIN
14814.00

HIGHWAY PLANS

PROJ. MANAGER	ERNIE MARTIN	BY	DATE
DESIGN-DETAILED	RCL	RCL	5-12
CHECKED-REVIEWED	ALG		5-12
DESIGN2-DETAILED2			
DESIGN3-DETAILED3			
REVISIONS 1			
REVISIONS 2			
REVISIONS 3			
REVISIONS 4			
FIELD CHANGES			

SIGNATURE
4226
P.E. NUMBER
5/23/12
DATE

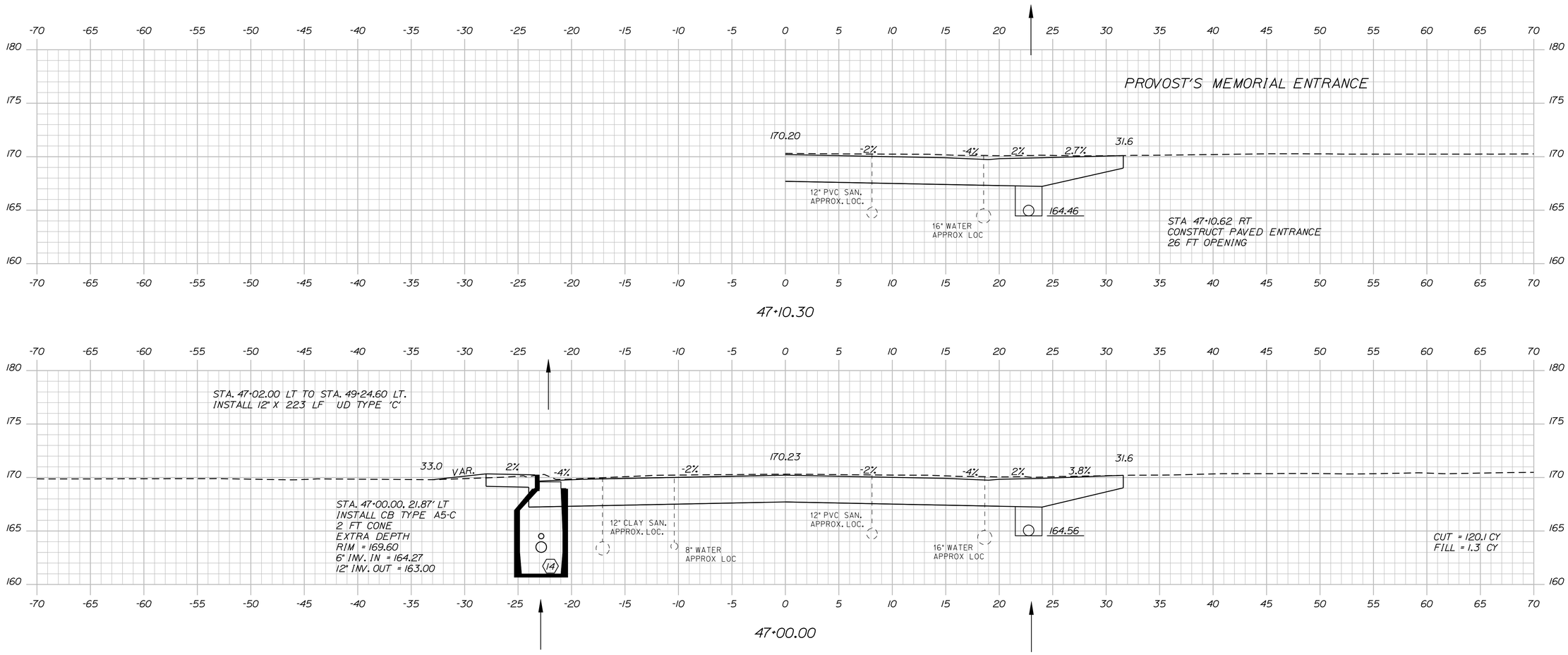
BIDDEFORD
ROUTE 1

CROSS SECTIONS

SHEET NUMBER
51
OF 102

Sta. 46+25.00 to Sta. 46+75.00

Filename: ...\MSTA\051_XSECT_46+25_020.dgn Division: HIGHWAY Username: jeason Date:6/4/2012



STATE OF MAINE
DEPARTMENT OF TRANSPORTATION

STP-1481(400)X

WIN
14814.00

HIGHWAY PLANS

			DATE
PROJ. MANAGER	ERNIE MARTIN	BY	DATE
DESIGN-DETAILED	RCL	RCL	5-12
CHECKED-REVIEWED	ALG		5-12
DESIGN2-DETAILED2			
DESIGN3-DETAILED3			
REVISIONS 1			
REVISIONS 2			
REVISIONS 3			
REVISIONS 4			
FIELD CHANGES			

SIGNATURE

4226

P.E. NUMBER

5/23/12

DATE

BIDDEFORD
ROUTE 1

CROSS SECTIONS

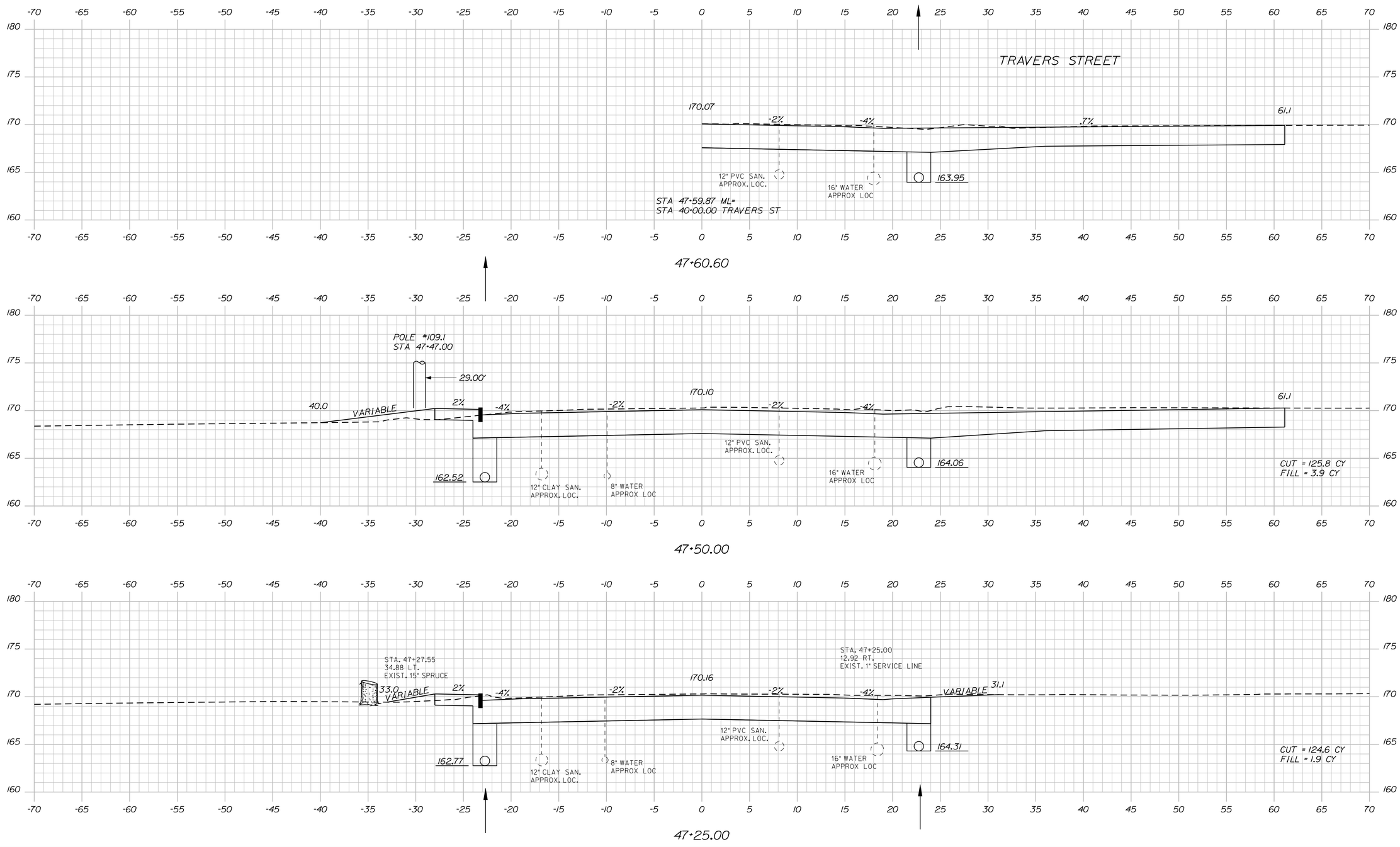
SHEET NUMBER

52

OF 102

Sta. 47+00.00 to Sta. 47+10.30

Filename: ...\MSTA\052_XSECT_47+00_021.dgn Division: HIGHWAY Username: jeason Date:6/4/2012



STATE OF MAINE
DEPARTMENT OF TRANSPORTATION

STP-1481(400)X

WIN
14814.00

HIGHWAY PLANS

	SIGNATURE
	4226
P.E. NUMBER	
	5/23/12
DATE	

	BY	DATE
PROJ. MANAGER	ERNIE MARTIN	
DESIGN-DETAILED	RCL	5-12
CHECKED-REVIEWED	ALG	5-12
DESIGN2-DETAILED2		
DESIGN3-DETAILED3		
REVISIONS 1		
REVISIONS 2		
REVISIONS 3		
REVISIONS 4		
FIELD CHANGES		

BIDDEFORD
ROUTE 1

CROSS SECTIONS

SHEET NUMBER

53

OF 102

Sta. 47+25.00 to Sta. 47+60.60

Filename: ...\MSTA\053_XSECT_47+25_022.dgn Division: HIGHWAY Username: jeason Date:6/4/2012

STATE OF MAINE
DEPARTMENT OF TRANSPORTATION

STP-1481(400)X

WIN
14814.00

HIGHWAY PLANS

	BY	DATE
PROJ. MANAGER	ERNIE MARTIN	
DESIGN-DETAILED	RCL	5-12
CHECKED-REVIEWED	ALG	5-12
DESIGN2-DETAILED2		
DESIGN3-DETAILED3		
REVISIONS 1		
REVISIONS 2		
REVISIONS 3		
REVISIONS 4		
FIELD CHANGES		

SIGNATURE
4226
P.E. NUMBER
5/23/12
DATE

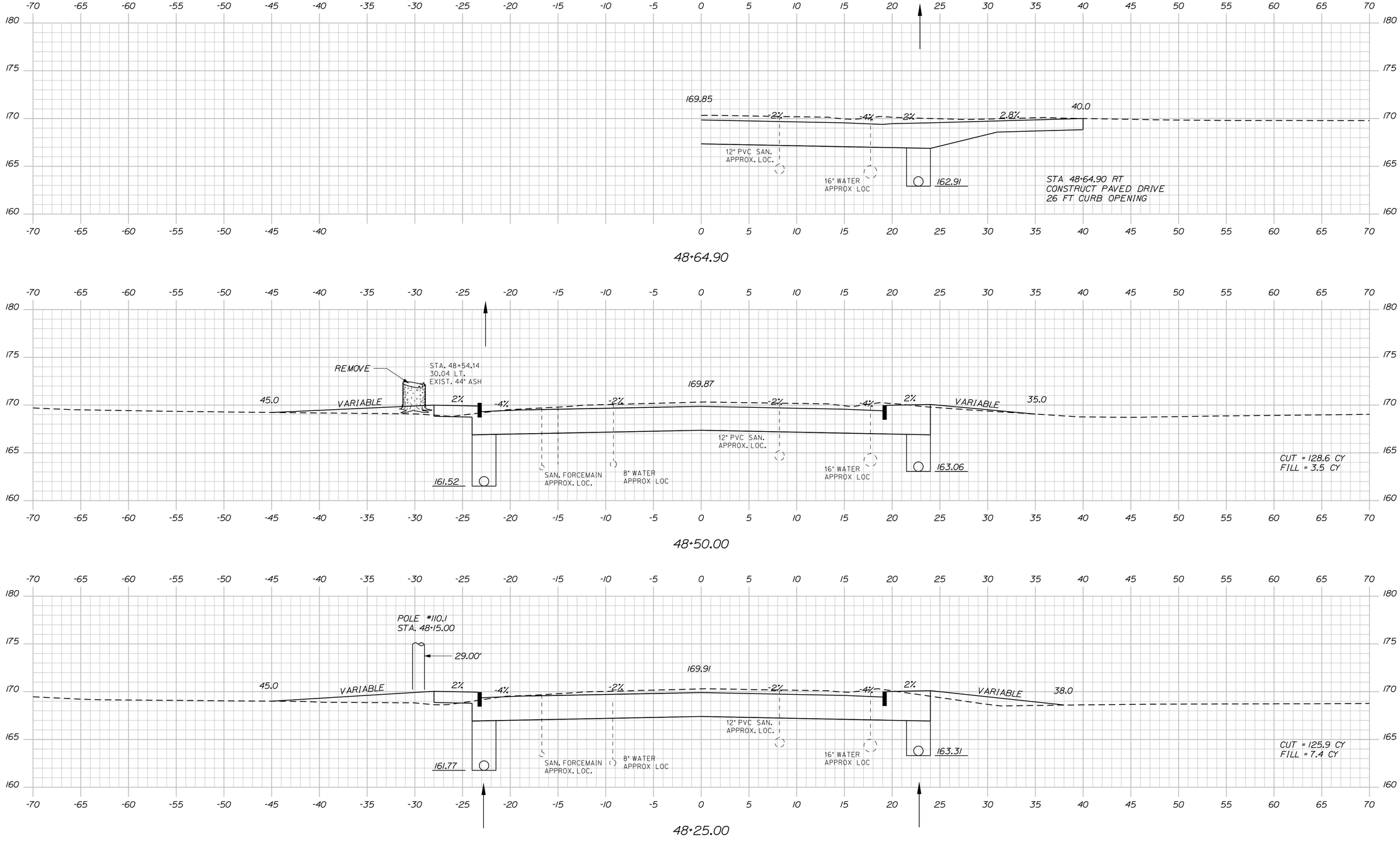
BIDDEFORD
ROUTE 1

CROSS SECTIONS

SHEET NUMBER
54
OF 102

Sta. 47+75.00 to Sta. 48+00.00

Filename: ...\MSTA\054_XSECT_47+75_023.dgn Division: HIGHWAY Username: jeason Date:6/4/2012



Sta. 48+25.00 to Sta. 48+64.90

STATE OF MAINE
DEPARTMENT OF TRANSPORTATION

STP-1481(400)X

WIN
14814.00

HIGHWAY PLANS

SIGNATURE
4226
P.E. NUMBER
5/23/12
DATE

	ERNIE MARTIN	BY	DATE
PROJ. MANAGER			
DESIGN-DETAILED	RCL	RCL	5-12
CHECKED-REVIEWED	ALG		
DESIGN2-DETAILED2			
DESIGN3-DETAILED3			
REVISIONS 1			
REVISIONS 2			
REVISIONS 3			
REVISIONS 4			
FIELD CHANGES			

BIDDEFORD
ROUTE 1

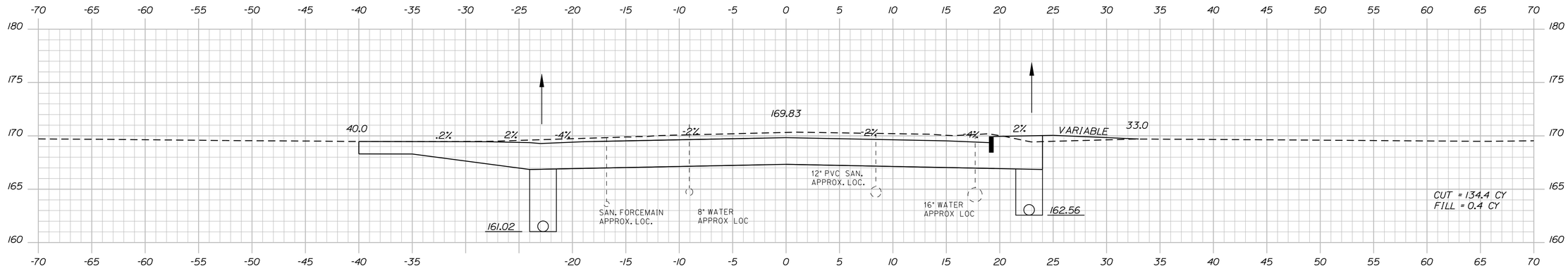
CROSS SECTIONS

SHEET NUMBER

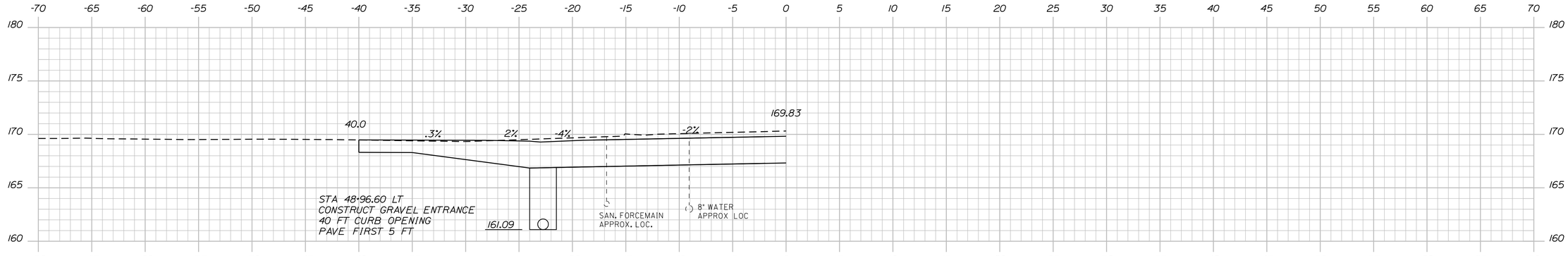
55

OF 102

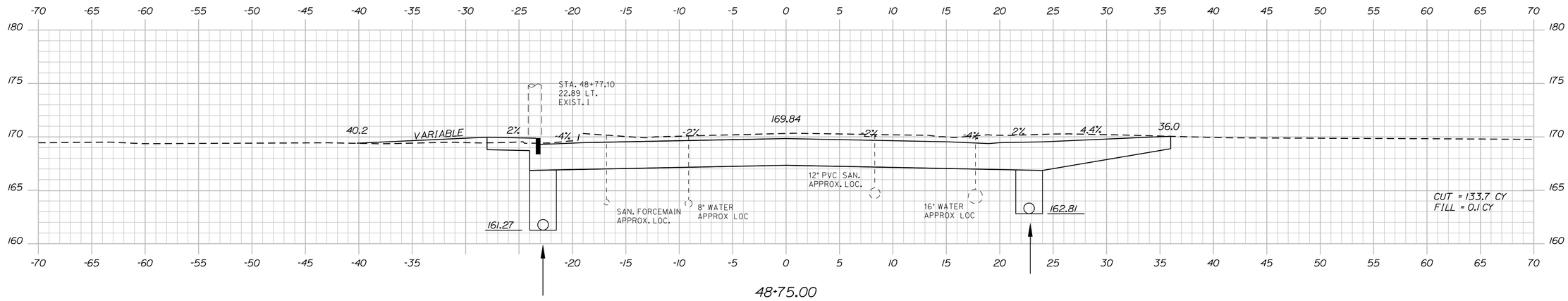
Filename: ...\MSTA\055_XSECT_48+25_024.dgn Division: HIGHWAY Username: jeason Date:6/4/2012



49+00.00



48+93.20



48+75.00

STATE OF MAINE
DEPARTMENT OF TRANSPORTATION

STP-1481(400)X

WIN
14814.00

HIGHWAY PLANS

			DATE
PROJ. MANAGER	ERNIE MARTIN	BY	
DESIGN-DETAILED	RCL	RCL	5-12
CHECKED-REVIEWED	ALG		5-12
DESIGN2-DETAILED2			
DESIGN3-DETAILED3			
REVISIONS 1			
REVISIONS 2			
REVISIONS 3			
REVISIONS 4			
FIELD CHANGES			

SIGNATURE

4226

P.E. NUMBER

5/23/12

DATE

BIDDEFORD
ROUTE 1

CROSS SECTIONS

SHEET NUMBER

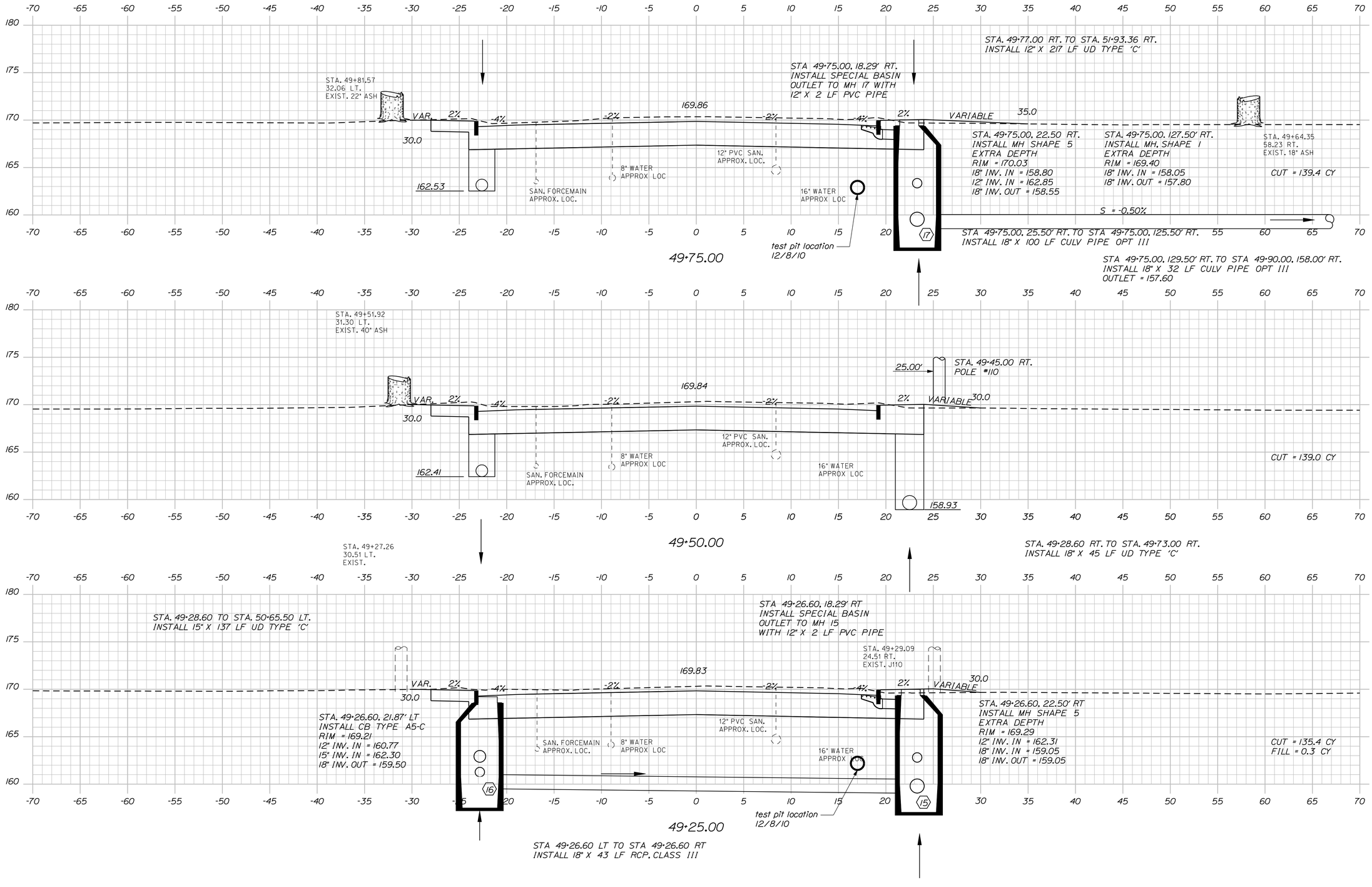
56

OF 102

Sta. 48+75.00 to Sta. 49+00.00

Filename: ...\MSTA\056_XSECT_48+75_025.dgn Division: HIGHWAY Username: jeason Date:6/4/2012

Filename: ...\MSTA\057_XSECT_49+25_026.dgn Division: HIGHWAY Username: jeason Date:6/4/2012



STATE OF MAINE
DEPARTMENT OF TRANSPORTATION

STP-1481(400)X

WIN
14814.00

HIGHWAY PLANS

PROJ. MANAGER	ERNIE MARTIN	BY	DATE
DESIGN-DETAILED	RCL	RCL	5-12
CHECKED-REVIEWED	ALG		5-12
DESIGN2-DETAILED2			
DESIGN3-DETAILED3			
REVISIONS 1			
REVISIONS 2			
REVISIONS 3			
REVISIONS 4			
FIELD CHANGES			

SIGNATURE
4226
P.E. NUMBER
5/23/12
DATE

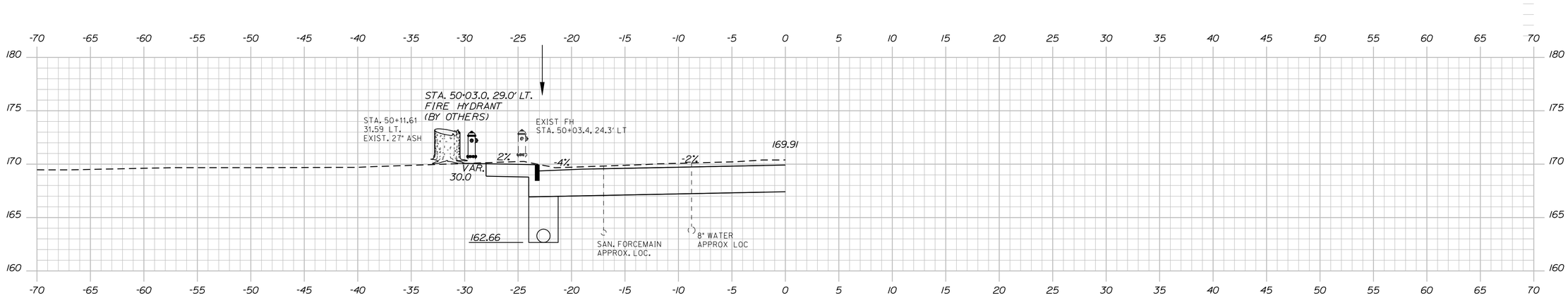
BIDDEFORD
ROUTE 1

CROSS SECTIONS

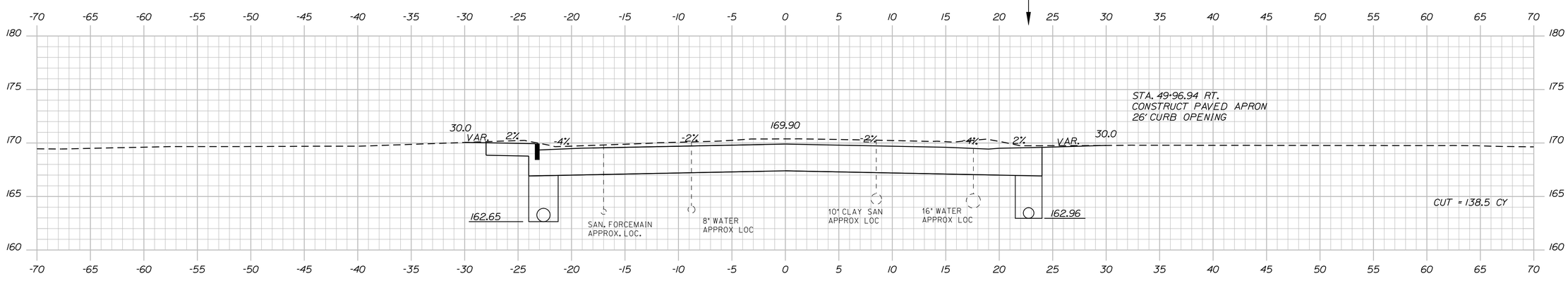
SHEET NUMBER
57
OF 102

Sta. 49+25.00 to Sta. 49+75.00

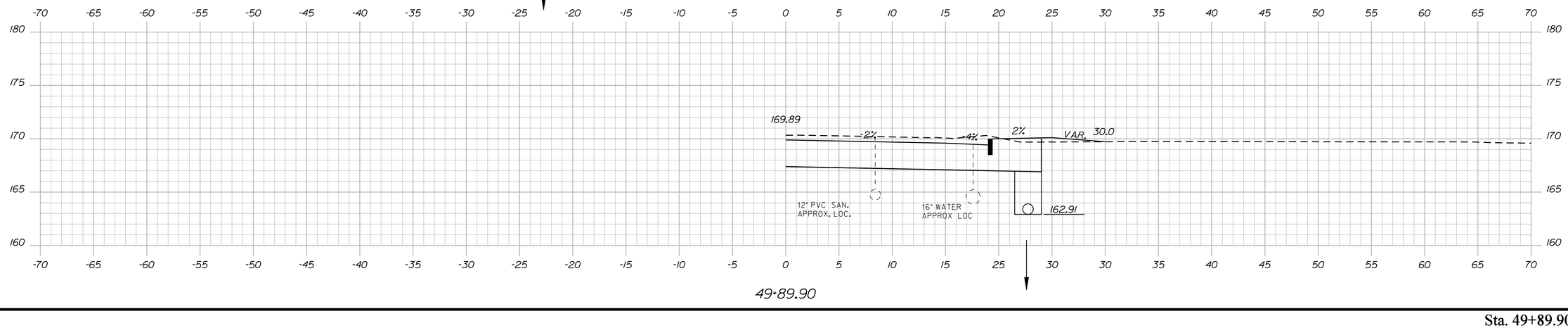
Filename: ...\MSTA\058_XSECT_49+89_027.dgn Division: HIGHWAY Username: jeason Date:6/4/2012



50+03.40



50+00.00



49+89.90

STATE OF MAINE
DEPARTMENT OF TRANSPORTATION

STP-1481(400)X

WIN
14814.00

HIGHWAY PLANS

			DATE
PROJ. MANAGER	ERNIE MARTIN	BY	
DESIGN-DETAILED	RCL	RCL	5-12
CHECKED-REVIEWED	ALG		5-12
DESIGN2-DETAILED2			
DESIGN3-DETAILED3			
REVISIONS 1			
REVISIONS 2			
REVISIONS 3			
REVISIONS 4			
FIELD CHANGES			

SIGNATURE
4226
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5/23/12
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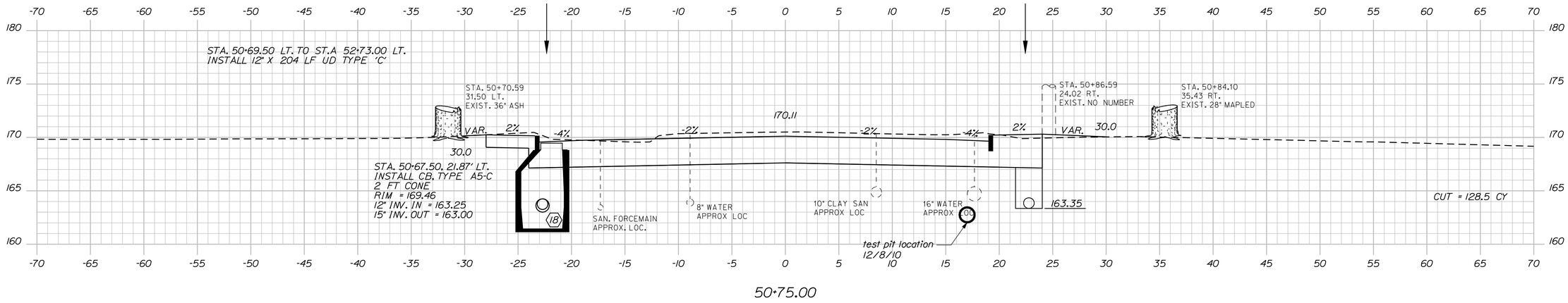
BIDDEFORD
ROUTE 1

CROSS SECTIONS

SHEET NUMBER
58
OF 102

Sta. 49+89.90 to Sta. 50+03.40



STATE OF MAINE
DEPARTMENT OF TRANSPORTATION

STP-1481(400)X

WIN
14814.00

HIGHWAY PLANS

PROJ. MANAGER	ERNIE MARTIN	BY	DATE
DESIGN-DETAILED	RCL	RCL	5-12
CHECKED-REVIEWED	ALG		5-12
DESIGN2-DETAILED2			
DESIGN3-DETAILED3			
REVISIONS 1			
REVISIONS 2			
REVISIONS 3			
REVISIONS 4			
FIELD CHANGES			

SIGNATURE
4226
P.E. NUMBER
5/23/12
DATE

BIDDEFORD
ROUTE 1

CROSS SECTIONS

SHEET NUMBER
59
OF 102

Sta. 50+25.00 to Sta. 50+75.00

Filename: ...\MSTA\059_XSECT_50-25_028.dgn Division: HIGHWAY Username: jeason Date:6/4/2012

STATE OF MAINE
DEPARTMENT OF TRANSPORTATION

STP-1481(400)X

WIN 14814.00

HIGHWAY PLANS

	BY	DATE
ERNIE MARTIN	RCL	5-12
PROJ. MANAGER	RCL	
DESIGN-DETAILED	RCL	5-12
CHECKED-REVIEWED	ALG	
DESIGN2-DETAILED2		
DESIGN3-DETAILED3		
REVISIONS 1		
REVISIONS 2		
REVISIONS 3		
REVISIONS 4		
FIELD CHANGES		

SIGNATURE
4226
P.E. NUMBER
5/23/12
DATE

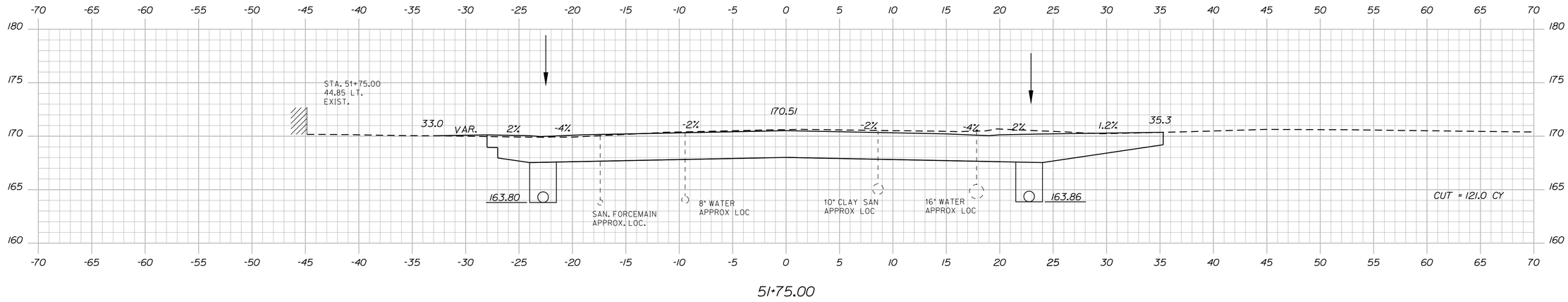
BIDDEFORD
ROUTE 1

CROSS SECTIONS

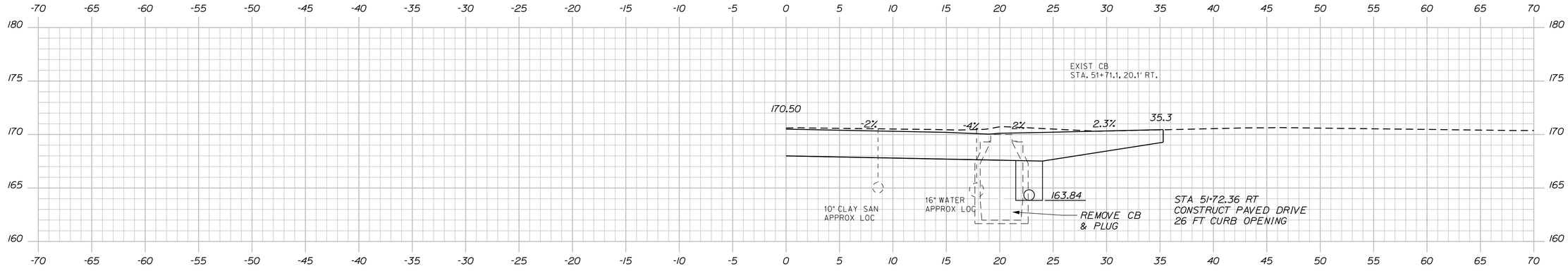
SHEET NUMBER
60
OF 102

Filename: ...\MSTA\060_XSECT_51+00_029.dgn Division: HIGHWAY Username: jeason Date:6/4/2012

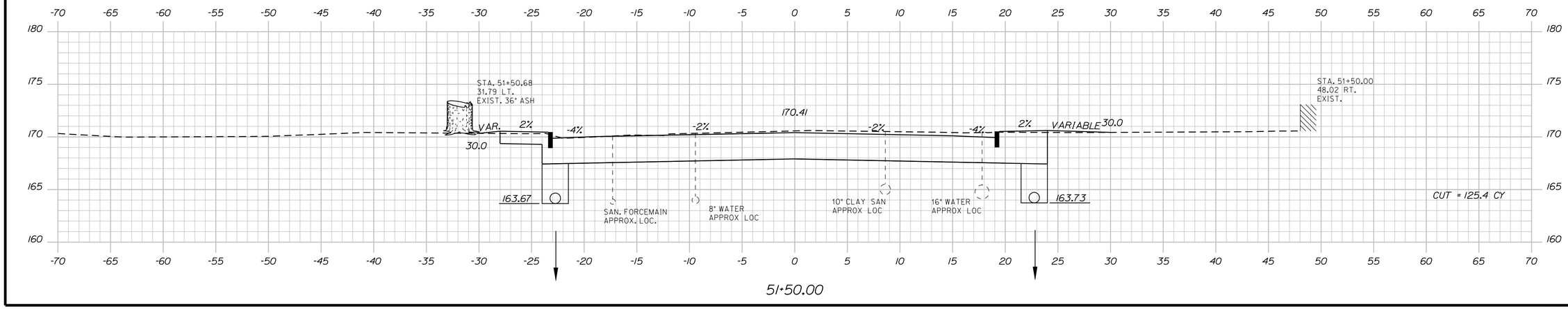
Sta. 51+00.00 to Sta. 51+44.30



51+75.00



51+71.70



51+50.00

STATE OF MAINE
DEPARTMENT OF TRANSPORTATION

STP-1481(400)X

WIN
14814.00

HIGHWAY PLANS

PROJ. MANAGER	ERNIE MARTIN	BY	DATE
DESIGN-DETAILED	RCL	RCL	5-12
CHECKED-REVIEWED	ALG		5-12
DESIGN2-DETAILED2			
DESIGN3-DETAILED3			
REVISIONS 1			
REVISIONS 2			
REVISIONS 3			
REVISIONS 4			
FIELD CHANGES			

SIGNATURE

4226

P.E. NUMBER

5/23/12

DATE

BIDDEFORD
ROUTE 1

CROSS SECTIONS

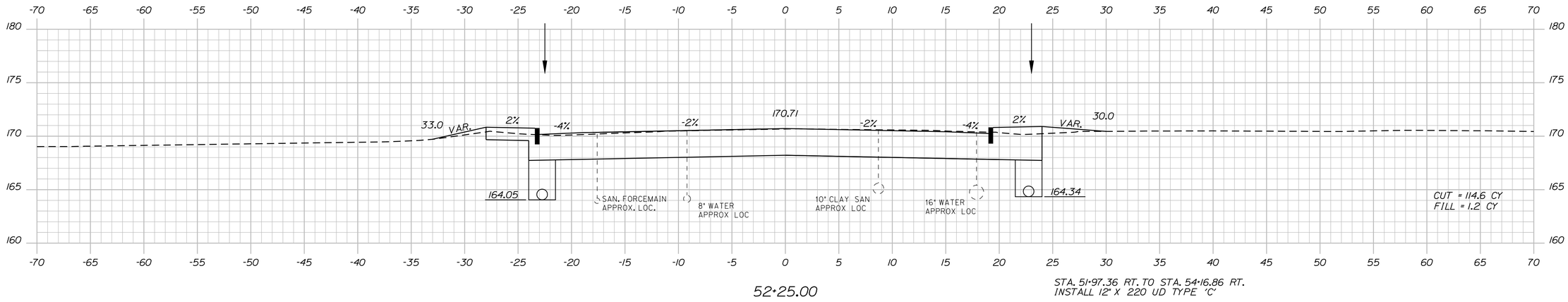
SHEET NUMBER

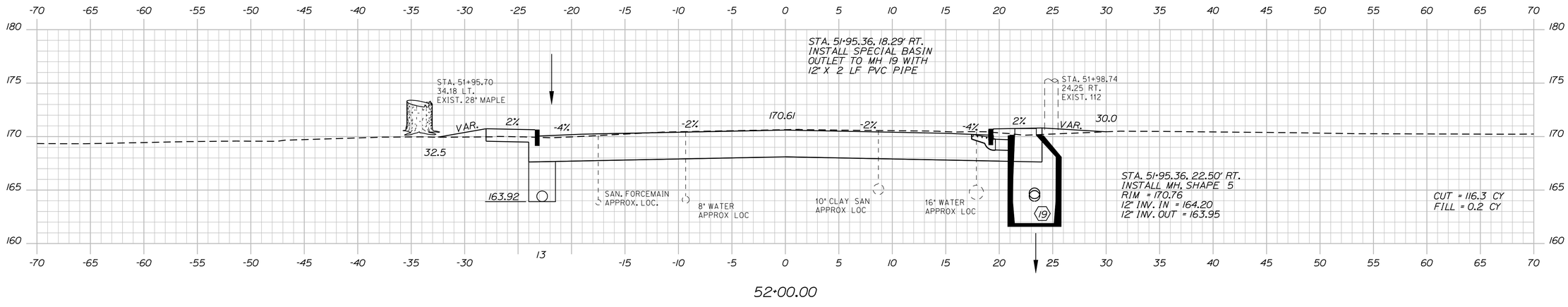
61

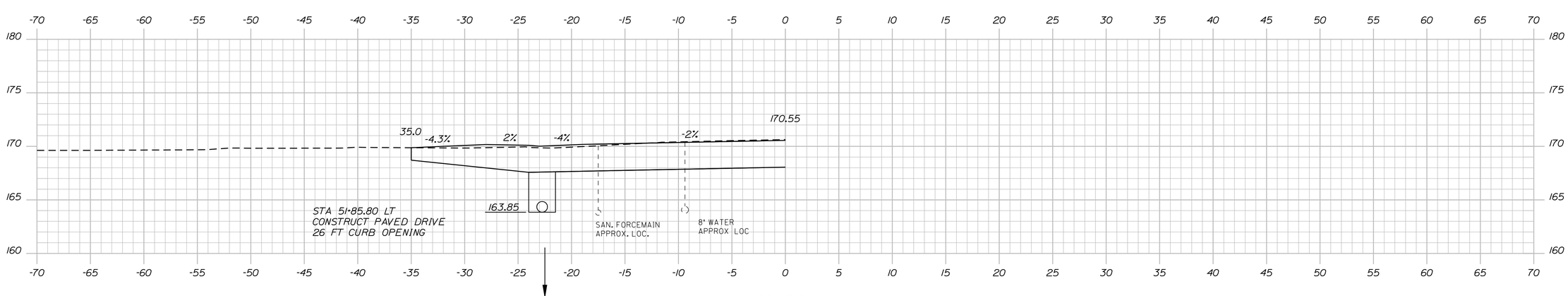
OF 102

Sta. 51+50.00 to Sta. 51+75.00

Filename: ...\MSTA\061_XSECT_51+50_030.dgn Division: HIGHWAY Username: jeason Date:6/4/2012







STATE OF MAINE
DEPARTMENT OF TRANSPORTATION

STP-1481(400)X

WIN 14814.00

HIGHWAY PLANS

	SIGNATURE
	4226
	P.E. NUMBER
	5/23/12
	DATE

	BY	DATE
PROJ. MANAGER	ERNIE MARTIN	
DESIGN-DETAILED	RCL	5-12
CHECKED-REVIEWED	ALC	5-12
DESIGN2-DETAILED2		
DESIGN3-DETAILED3		
REVISIONS 1		
REVISIONS 2		
REVISIONS 3		
REVISIONS 4		
FIELD CHANGES		

BIDDEFORD
ROUTE 1

CROSS SECTIONS

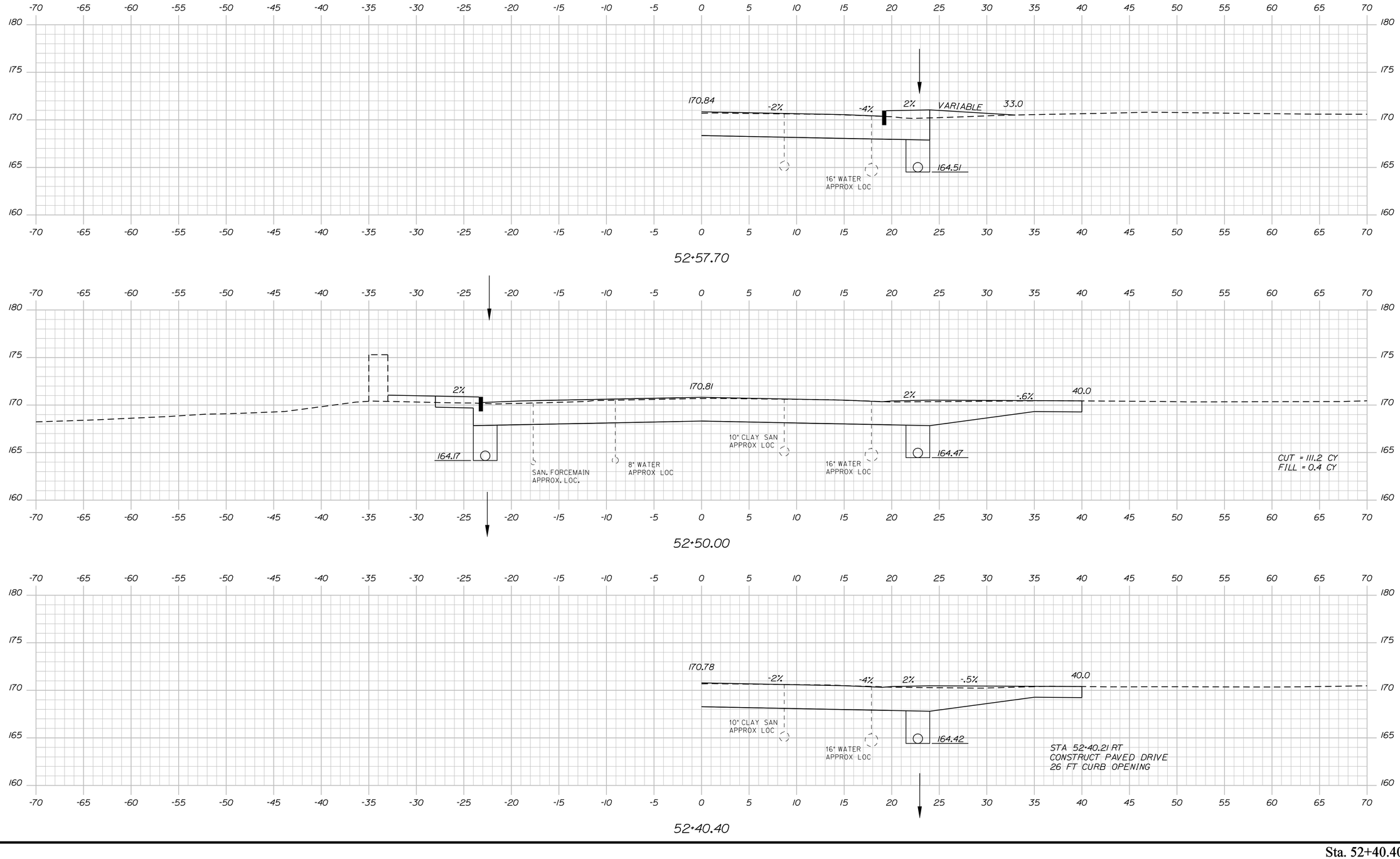
SHEET NUMBER

62

OF 102

Sta. 51+85.80 to Sta. 52+25.00

Filename: ...\MSTA\062_XSECT_51+85_031.dgn Division: HIGHWAY Username: jeason Date:6/4/2012



Filename: ...\MSTA\063_XSECT_52+40_032.dgn Division: HIGHWAY Username: jeason Date:6/4/2012

STATE OF MAINE
DEPARTMENT OF TRANSPORTATION

STP-1481(400)X

WIN
14814.00

HIGHWAY PLANS

SIGNATURE
4226
P.E. NUMBER
5/23/12
DATE

	ERNIE MARTIN	BY	DATE
PROJ. MANAGER	ERNIE MARTIN		
DESIGN-DETAILED	RCL	RCL	5-12
CHECKED-REVIEWED	ALG		
DESIGN2-DETAILED2			
DESIGN3-DETAILED3			
REVISIONS 1			
REVISIONS 2			
REVISIONS 3			
REVISIONS 4			
FIELD CHANGES			

BIDDEFORD
ROUTE 1

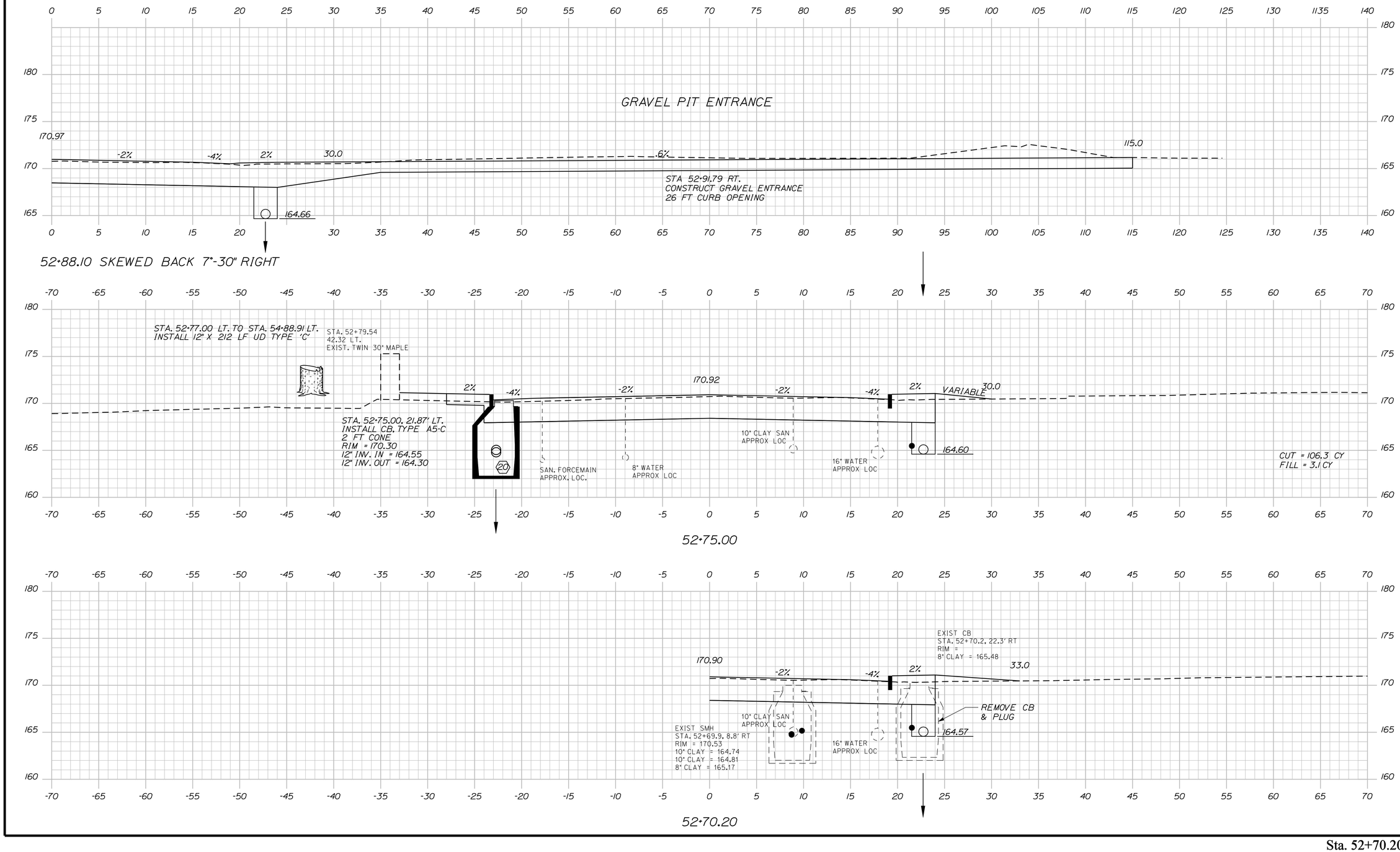
CROSS SECTIONS

SHEET NUMBER

63

OF 102

Sta. 52+40.40 to Sta. 52+57.70



STATE OF MAINE
DEPARTMENT OF TRANSPORTATION

STP-1481(400)X

WIN 14814.00

HIGHWAY PLANS

	BY	DATE
PROJ. MANAGER	ERNIE MARTIN	
DESIGN-DETAILED	RCL	5-12
CHECKED-REVIEWED	ALG	5-12
DESIGN2-DETAILED2		
DESIGN3-DETAILED3		
REVISIONS 1		
REVISIONS 2		
REVISIONS 3		
REVISIONS 4		
FIELD CHANGES		

SIGNATURE
4226
P.E. NUMBER
5/23/12
DATE

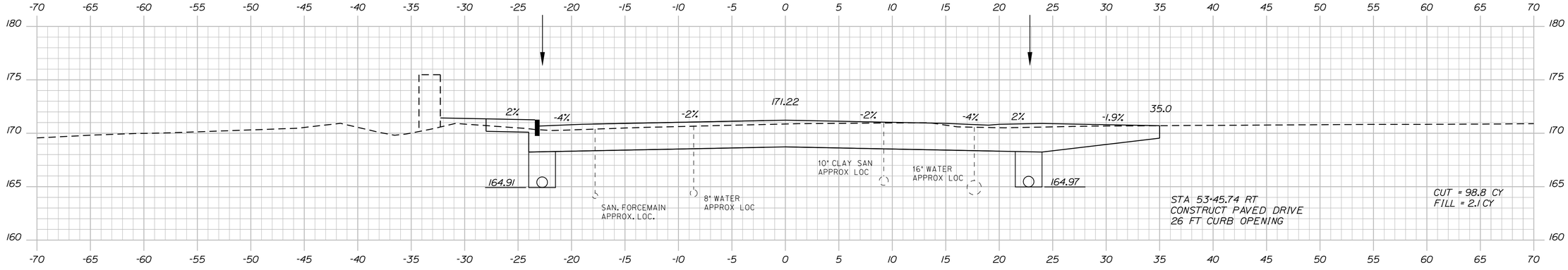
BIDDEFORD
ROUTE 1

CROSS SECTIONS

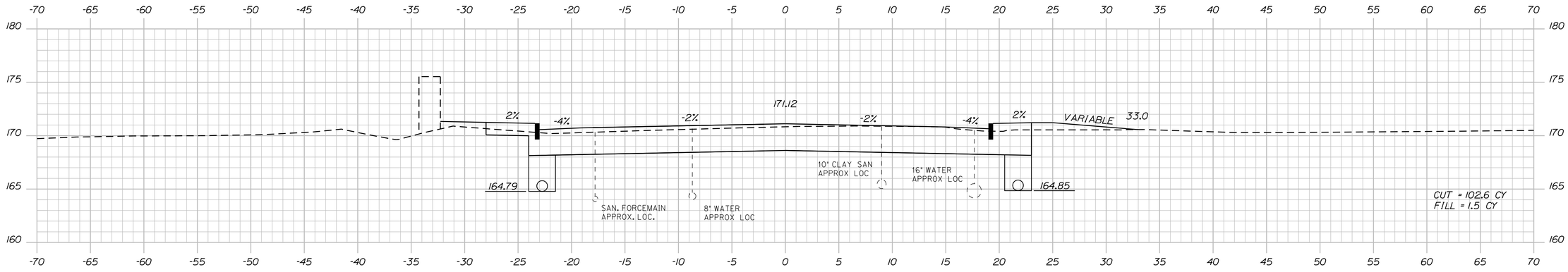
SHEET NUMBER
64
OF 102

Sta. 52+70.20 to Sta. 52+88.10

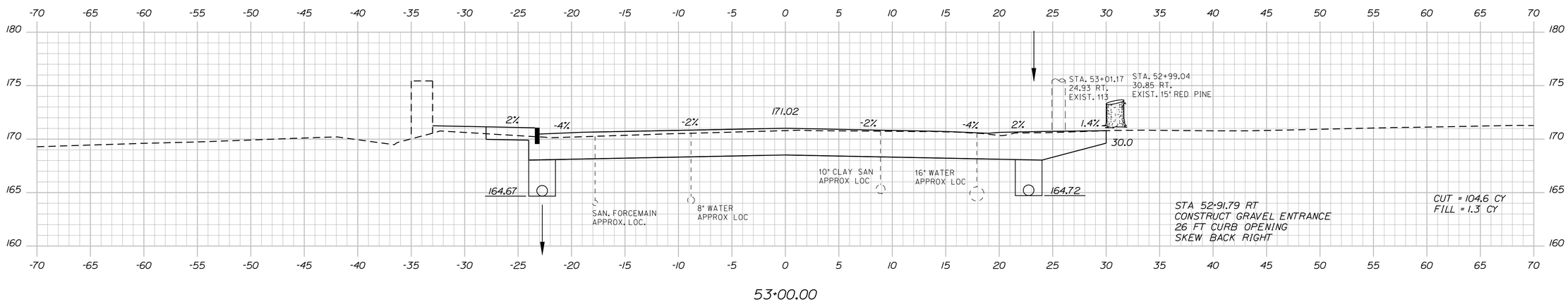
Filename: ...\MSTA\064_XSECT_52+70_033.dgn Username: jeason Division: HIGHWAY Date:6/4/2012



53+50.00



53+25.00



53+00.00

STATE OF MAINE
DEPARTMENT OF TRANSPORTATION

STP-1481(400)X

WIN
14814.00

HIGHWAY PLANS

SIGNATURE

4226

P.E. NUMBER

5/23/12

DATE

		BY	DATE
PROJ. MANAGER	ERNIE MARTIN		
DESIGN-DETAILED	RCL	RCL	5-12
CHECKED-REVIEWED	ALG		
DESIGN2-DETAILED2			
DESIGN3-DETAILED3			
REVISIONS 1			
REVISIONS 2			
REVISIONS 3			
REVISIONS 4			
FIELD CHANGES			

BIDDEFORD
ROUTE 1

CROSS SECTIONS

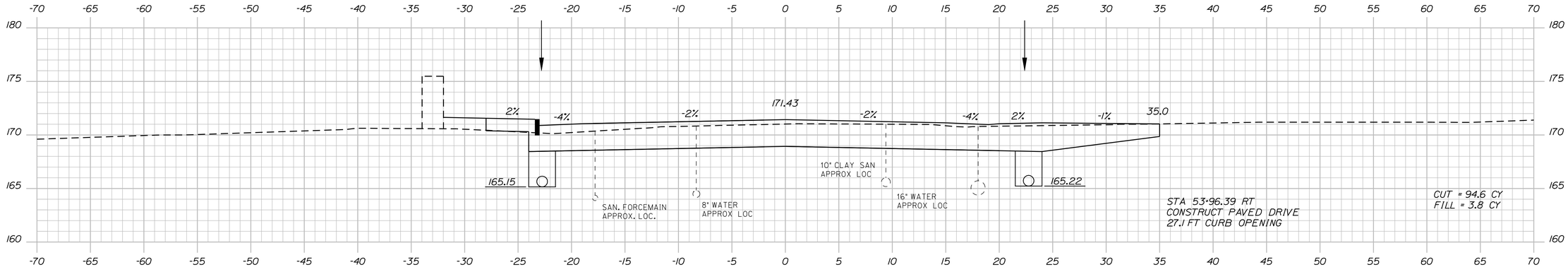
SHEET NUMBER

65

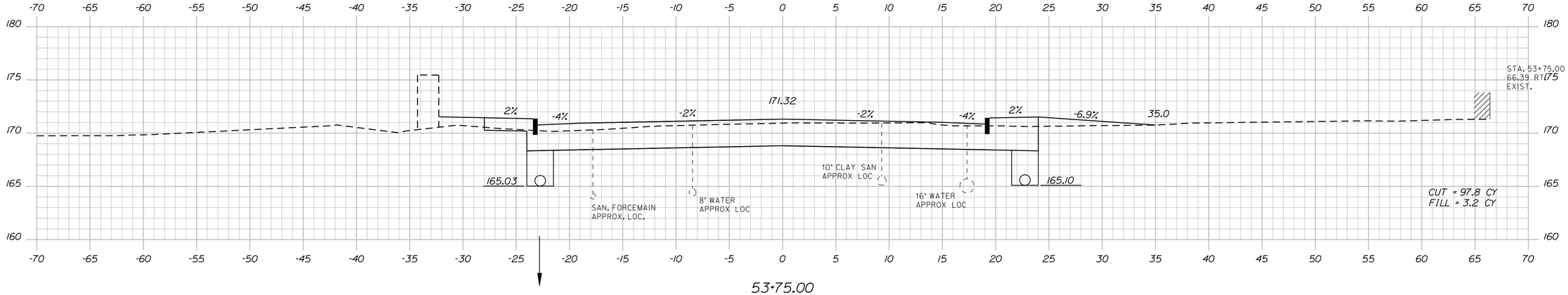
OF 102

Sta. 53+00.00 to Sta. 53+50.00

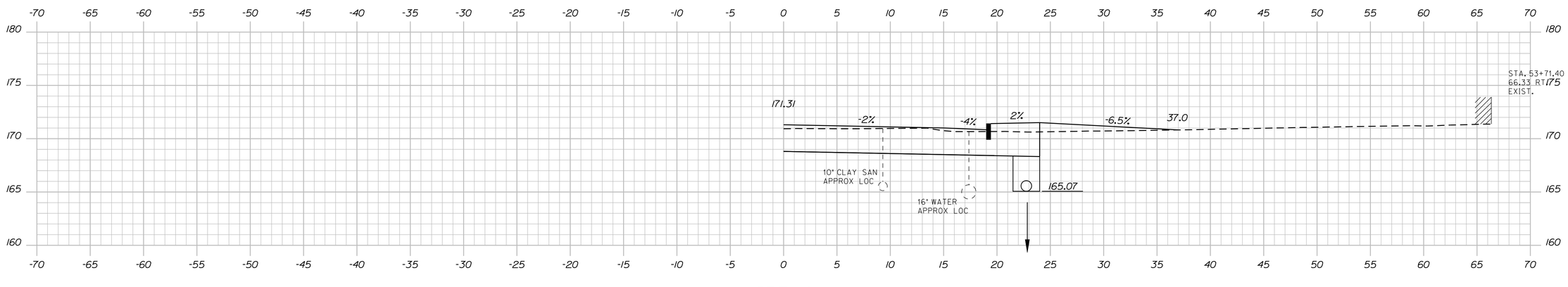
Filename: ...\MSTA\065_XSECT_53+00_034.dgn Division: HIGHWAY Username: jeason Date:6/4/2012



54+00.00



53+75.00



53+71.40

STATE OF MAINE
DEPARTMENT OF TRANSPORTATION

STP-1481(400)X

WIN
14814.00

HIGHWAY PLANS

SIGNATURE
4226
P.E. NUMBER
5/23/12
DATE

	ERNIE MARTIN	BY	DATE
PROJ. MANAGER	ERNIE MARTIN		
DESIGN-DETAILED	RCL	RCL	5-12
CHECKED-REVIEWED	ALG		
DESIGN2-DETAILED2			
DESIGN3-DETAILED3			
REVISIONS 1			
REVISIONS 2			
REVISIONS 3			
REVISIONS 4			
FIELD CHANGES			

BIDDEFORD
ROUTE 1

CROSS SECTIONS

SHEET NUMBER

66

OF 102

Filename: ...\MSTA\066_XSECT_53+71_035.dgn Division: HIGHWAY Username: jeason Date:6/4/2012

STATE OF MAINE
DEPARTMENT OF TRANSPORTATION

STP-1481(400)X

WIN
14814.00

HIGHWAY PLANS

	SIGNATURE	DATE
PROJ. MANAGER	ERNIE MARTIN	
DESIGN-DETAILED	RCL	5-12
CHECKED-REVIEWED	ALG	5-12
DESIGN2-DETAILED2		
DESIGN3-DETAILED3		
REVISIONS 1		
REVISIONS 2		
REVISIONS 3		
REVISIONS 4		
FIELD CHANGES		

P.E. NUMBER
4226

5/23/12
DATE

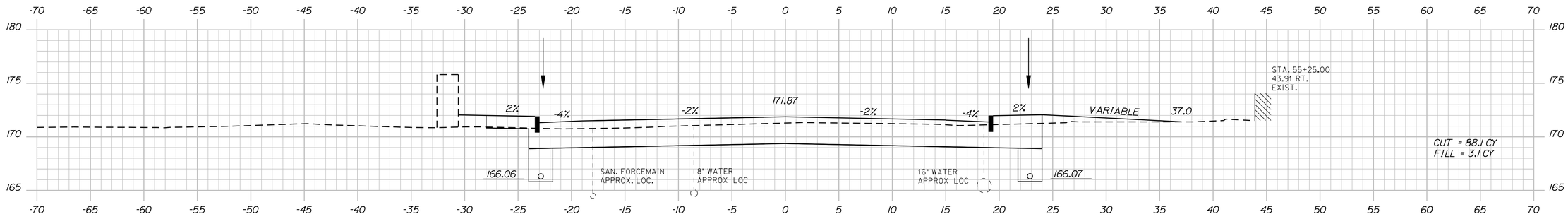
BIDDEFORD
ROUTE 1

CROSS SECTIONS

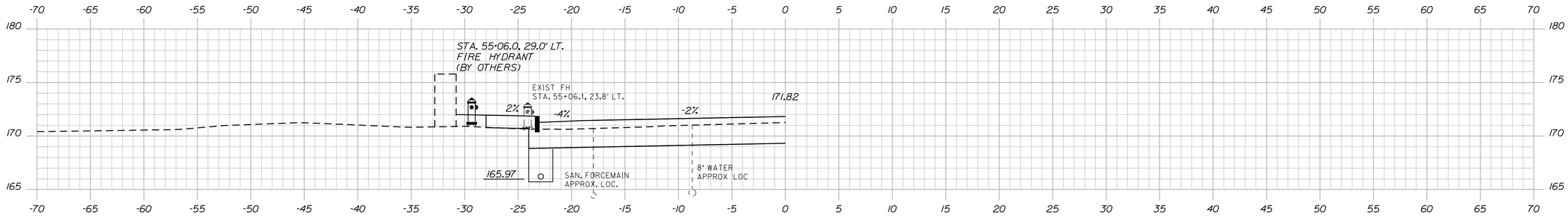
SHEET NUMBER
67
OF 102

Sta. 54+25.00 to Sta. 54+68.40

Filename: ...\MSTA\067_XSECT_54+25_036.dgn Division: HIGHWAY Username: jeason Date:6/4/2012

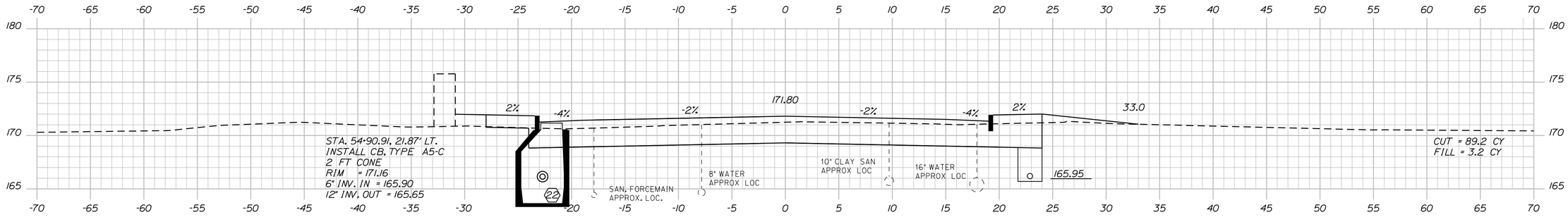


55+25.00

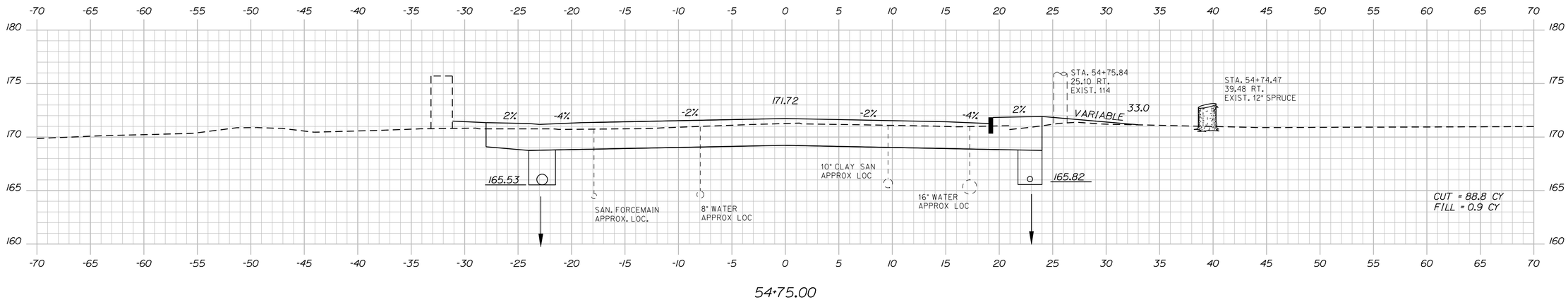


STA. 54+92.91 LT. TO STA. 56+25.00 LT
INSTALL 6" X 133 LF UD TYPE 'B'-

55+06.10



55+00.00



54+75.00

STATE OF MAINE
DEPARTMENT OF TRANSPORTATION

STP-1481(400)X

WIN
14814.00

HIGHWAY PLANS

PROJ. MANAGER	ERNIE MARTIN	BY	DATE
DESIGN-DETAILED	RCL	RCL	5-12
CHECKED-REVIEWED	ALG		5-12
DESIGN2-DETAILED2			
DESIGN3-DETAILED3			
REVISIONS 1			
REVISIONS 2			
REVISIONS 3			
REVISIONS 4			
FIELD CHANGES			

SIGNATURE
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P.E. NUMBER
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DATE

BIDDEFORD
ROUTE 1

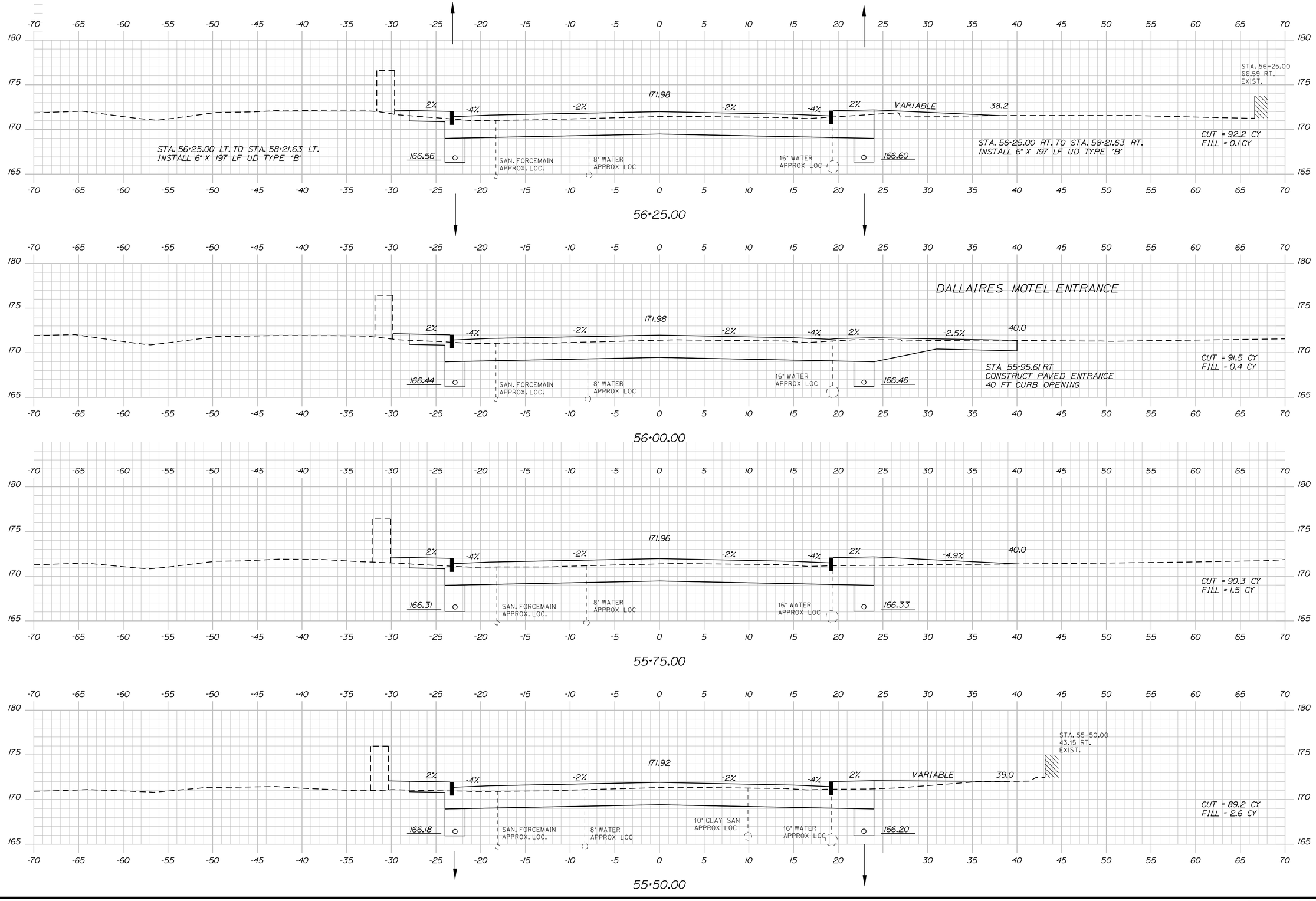
CROSS SECTIONS

SHEET NUMBER
68
OF 102

Sta. 54+75.00 to Sta. 55+25.00

Filename: ...\MSTA\068_XSECT_54+75_037.dgn Division: HIGHWAY Username: jeason Date:6/4/2012

Filename: ...\MSTA\069_XSECT_55+50_038.dgn Division: HIGHWAY Username: jeason Date:6/4/2012



STATE OF MAINE
DEPARTMENT OF TRANSPORTATION

STP-1481(400)X

WIN 14814.00

HIGHWAY PLANS

PROJ. MANAGER	ERNIE MARTIN	BY	DATE
DESIGN-DETAILED	RCL	RCL	5-12
CHECKED-REVIEWED	ALG		5-12
DESIGN2-DETAILED2			
DESIGN3-DETAILED3			
REVISIONS 1			
REVISIONS 2			
REVISIONS 3			
REVISIONS 4			
FIELD CHANGES			

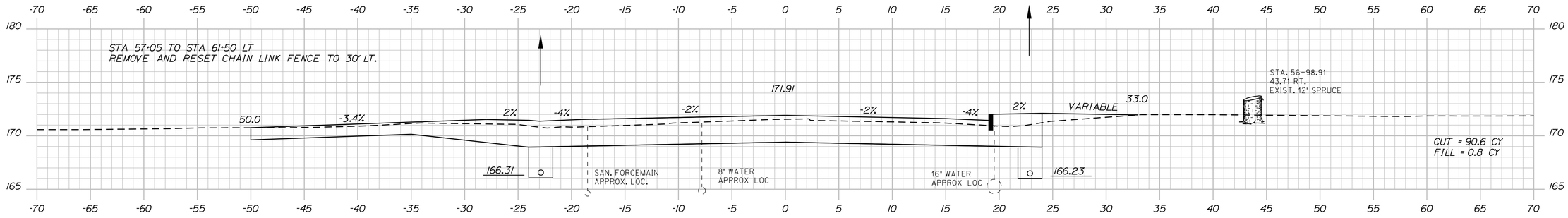
SIGNATURE
4226
P.E. NUMBER
5/23/12
DATE

BIDDEFORD
ROUTE 1

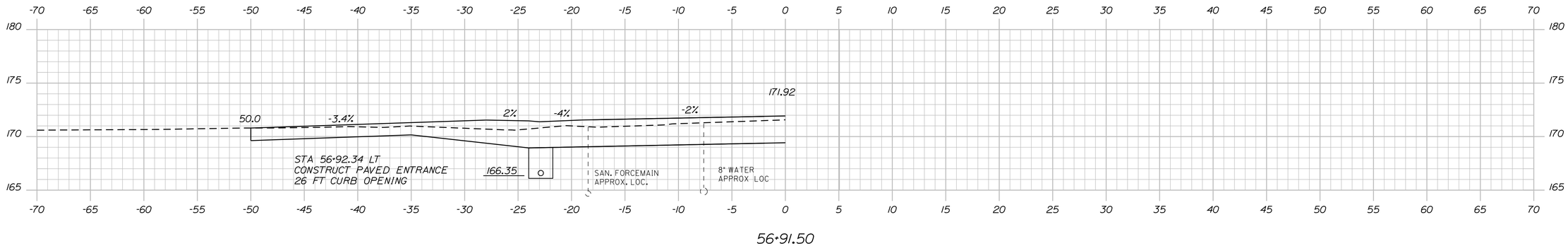
CROSS SECTIONS

SHEET NUMBER
69
OF 102

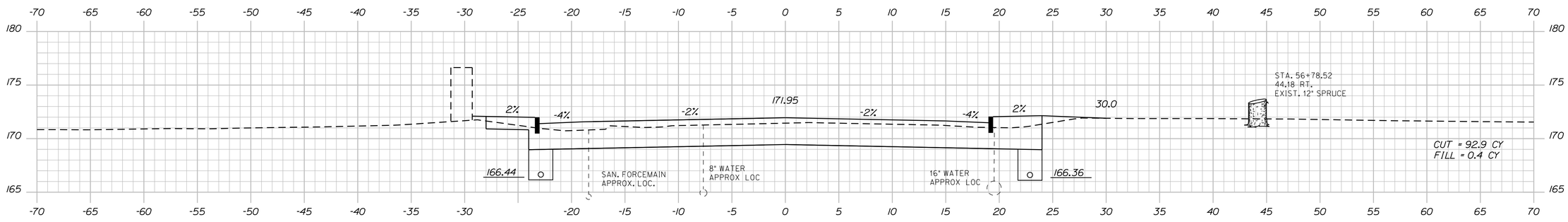
Sta. 55+50.00 to Sta. 56+25.00



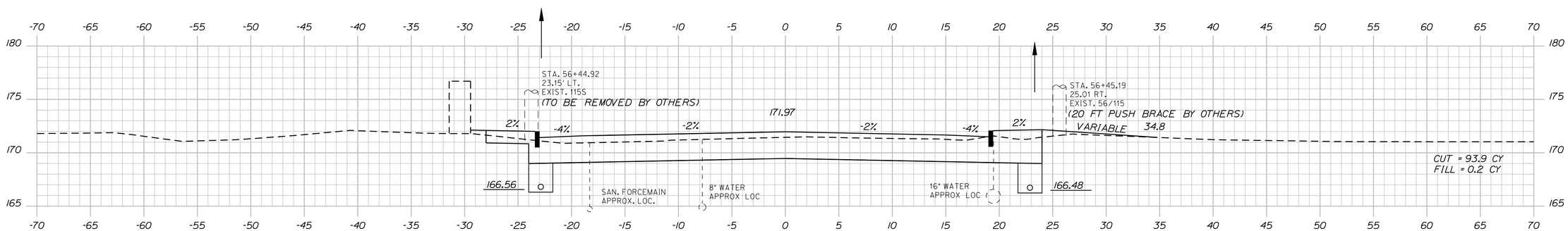
57+00.00



56+91.50



56+75.00



56+50.00

STATE OF MAINE
DEPARTMENT OF TRANSPORTATION

STP-1481(400)X

WIN
14814.00

HIGHWAY PLANS

		BY	DATE
PROJ. MANAGER	ERNIE MARTIN		
DESIGN-DETAILED	RCL	RCL	5-12
CHECKED-REVIEWED	ALG	ALG	5-12
DESIGN2-DETAILED2			
DESIGN3-DETAILED3			
REVISIONS 1			
REVISIONS 2			
REVISIONS 3			
REVISIONS 4			
FIELD CHANGES			

SIGNATURE
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P.E. NUMBER
5/23/12
DATE

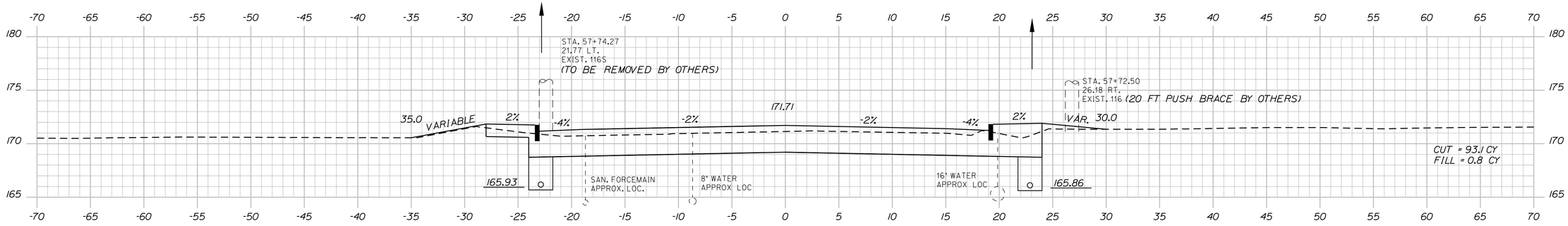
BIDDEFORD
ROUTE 1

CROSS SECTIONS

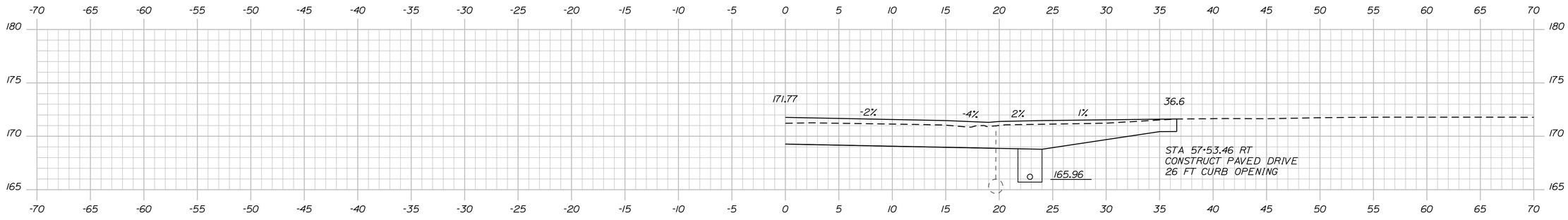
SHEET NUMBER
70
OF 102

Sta. 56+50.00 to Sta. 57+00.00

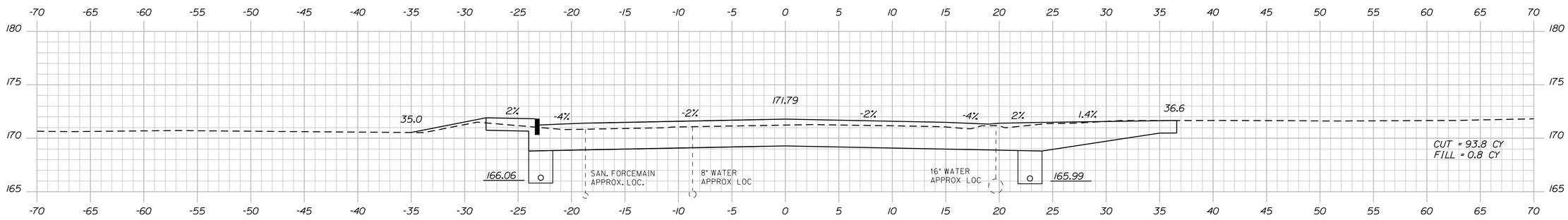
Filename: ...\MSTA\070_XSECT_56+50_039.dgn Division: HIGHWAY Username: jeason Date:6/4/2012



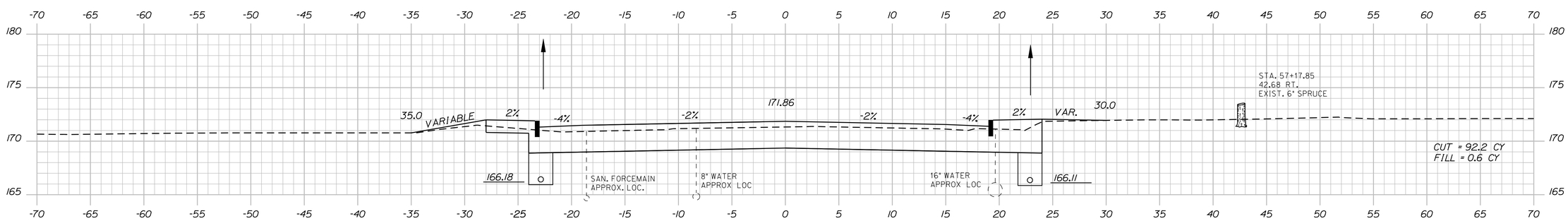
57+75.00



57+56.50



57+50.00



57+25.00

STATE OF MAINE
DEPARTMENT OF TRANSPORTATION

STP-1481(400)X

WIN
14814.00

HIGHWAY PLANS

		BY	DATE
PROJ. MANAGER	ERNIE MARTIN		
DESIGN-DETAILED	RCL	RCL	5-12
CHECKED-REVIEWED	ALG	ALG	5-12
DESIGN2-DETAILED2			
DESIGN3-DETAILED3			
REVISIONS 1			
REVISIONS 2			
REVISIONS 3			
REVISIONS 4			
FIELD CHANGES			

SIGNATURE
4226
P.E. NUMBER
5/23/12
DATE

BIDDEFORD
ROUTE 1

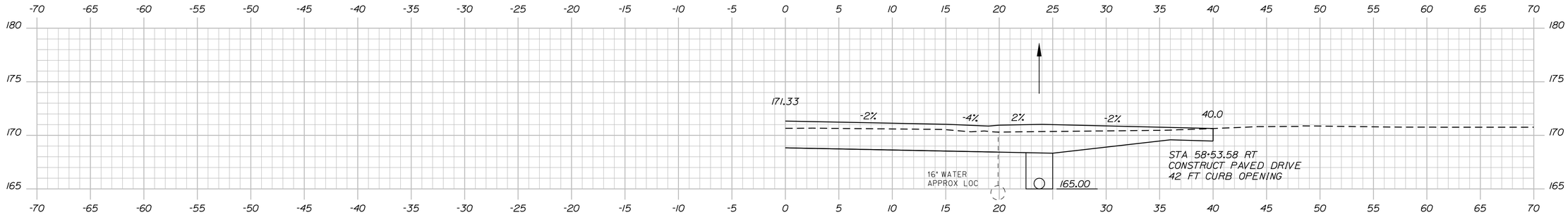
CROSS SECTIONS

SHEET NUMBER
71
OF 102

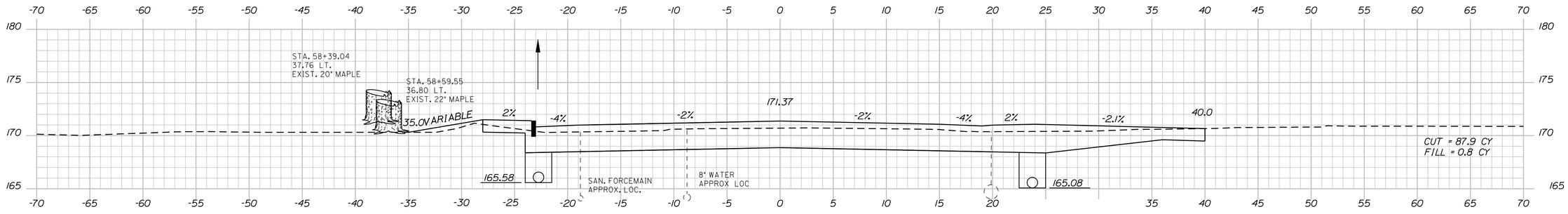
Sta. 57+25.00 to Sta. 57+75.00

Filename: ...\MSTA\071_XSECT_57-25_040.dgn Division: HIGHWAY Username: jeason Date:6/4/2012

Filename: ...\MSTA\072_XSECT_58+00_041.dgn Division: HIGHWAY Username: jeason Date:6/4/2012



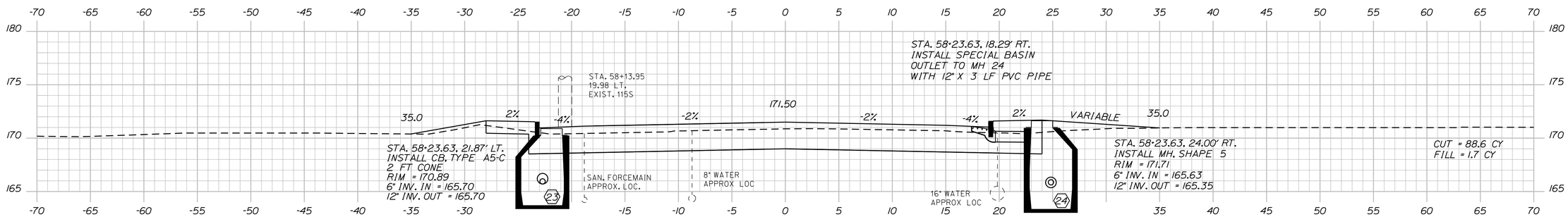
58+57.60



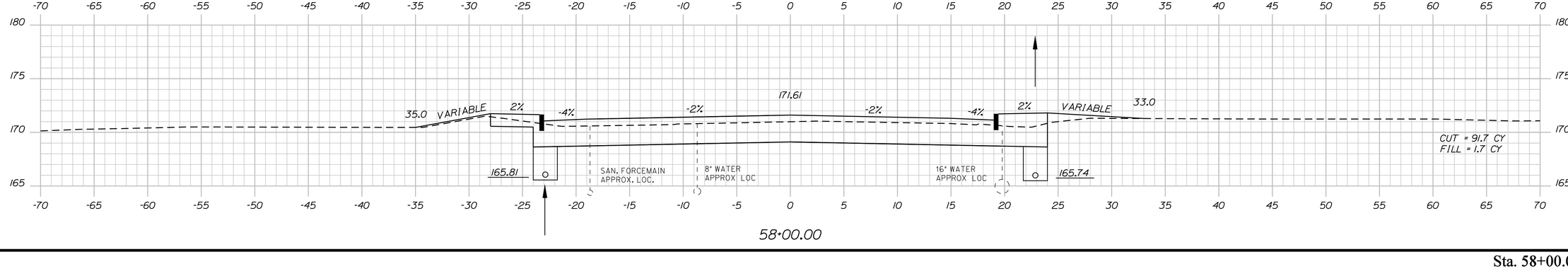
58+50.00

STA. 58+25.63 LT. TO STA. 60+56.46 LT.
INSTALL 12" X 231 LF UD TYPE 'C'

STA. 58+25.63 RT. TO STA. 60+56.46 RT.
INSTALL 12" X 231 LF UD TYPE 'C'



58+25.00



58+00.00

STATE OF MAINE
DEPARTMENT OF TRANSPORTATION

STP-1481(400)X

WIN
14814.00

HIGHWAY PLANS

	BY	DATE
PROJ. MANAGER	ERNIE MARTIN	
DESIGN-DETAILED	RCL	5-12
CHECKED-REVIEWED	ALG	5-12
DESIGN2-DETAILED2		
DESIGN3-DETAILED3		
REVISIONS 1		
REVISIONS 2		
REVISIONS 3		
REVISIONS 4		
FIELD CHANGES		

SIGNATURE
4226
P.E. NUMBER
5/23/12
DATE

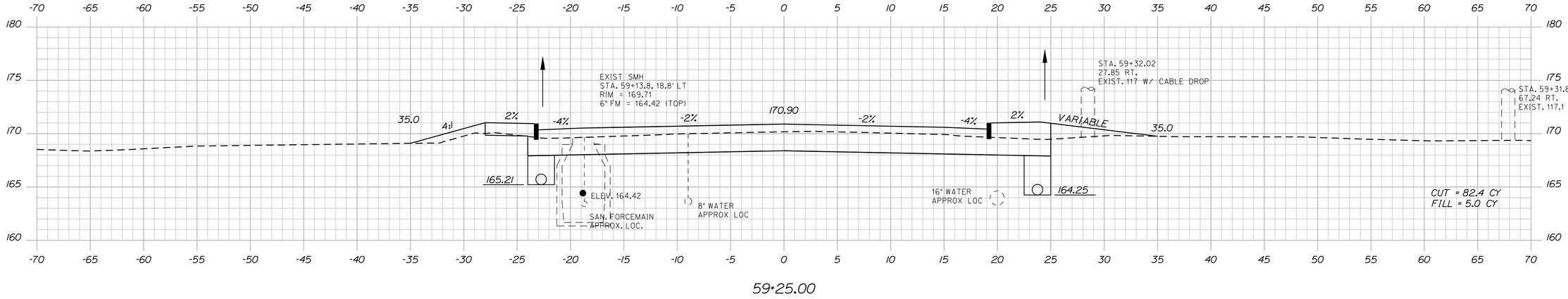
BIDDEFORD
ROUTE 1

CROSS SECTIONS

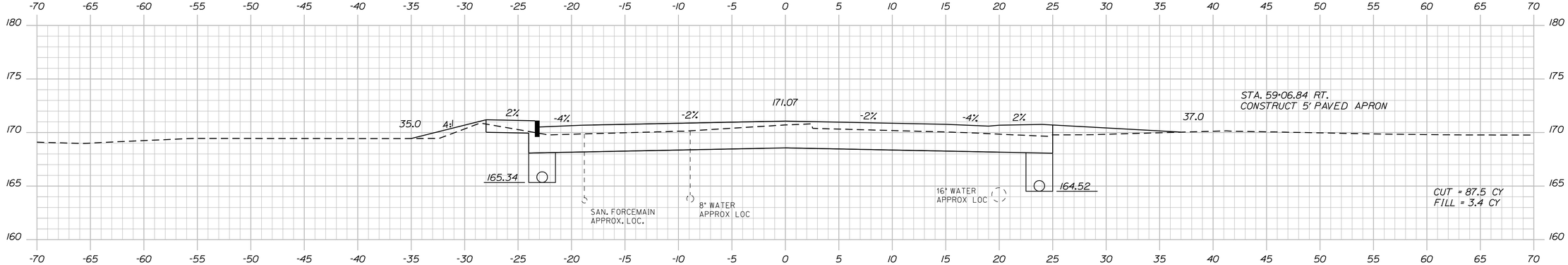
SHEET NUMBER
72
OF 102

Sta. 58+00.00 to Sta. 58+57.60

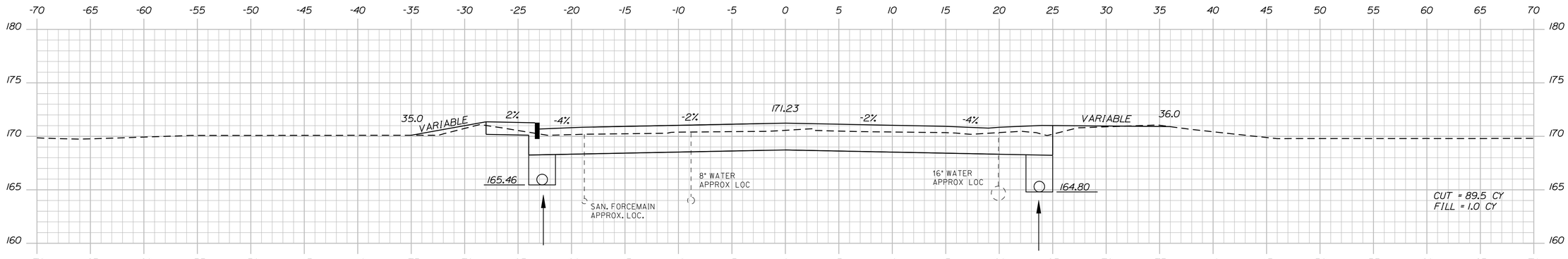
Filename: ...\MSTA\073_XSECT_58+75_042.dgn Division: HIGHWAY Username: jeason Date:6/4/2012



59+25.00



59+00.00



58+75.00

STATE OF MAINE
DEPARTMENT OF TRANSPORTATION

STP-1481(400)X

WIN 14814.00

HIGHWAY PLANS

PROJ. MANAGER	ERNIE MARTIN	BY	DATE
DESIGN-DETAILED	RCL	RCL	5-12
CHECKED-REVIEWED	ALG		5-12
DESIGN2-DETAILED2			
DESIGN3-DETAILED3			
REVISIONS 1			
REVISIONS 2			
REVISIONS 3			
REVISIONS 4			
FIELD CHANGES			

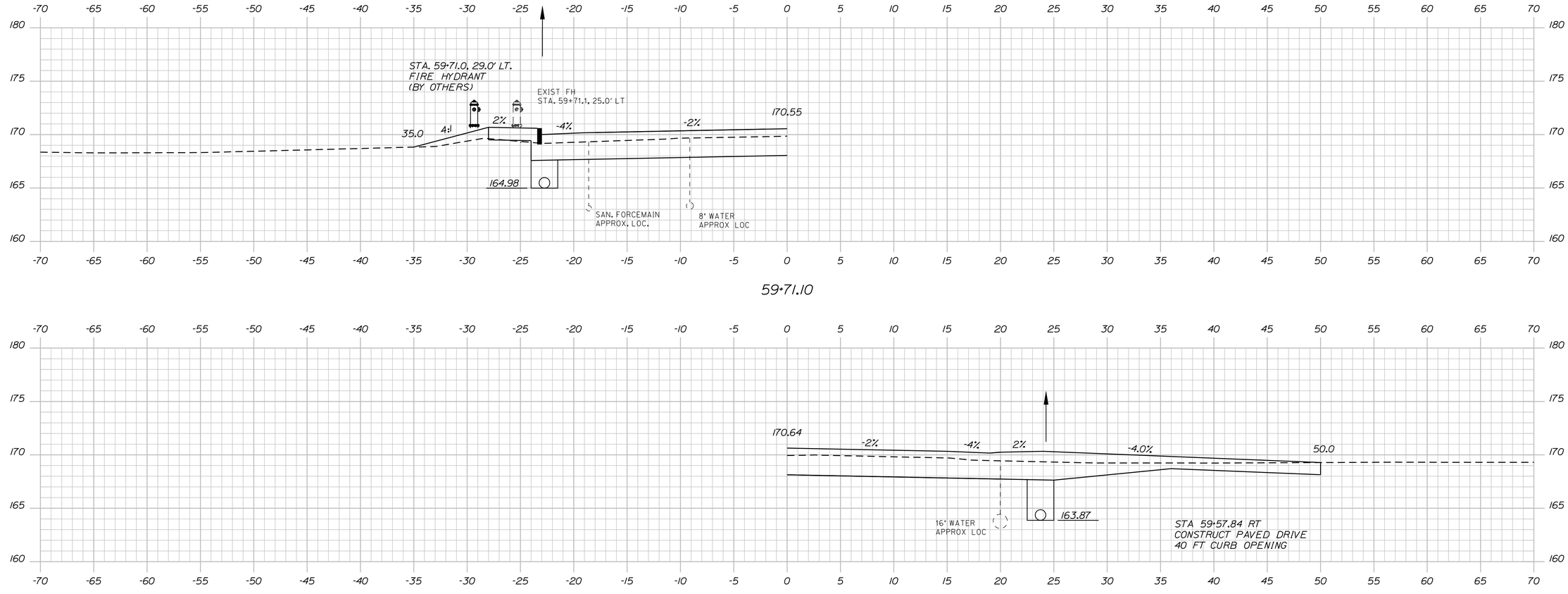
SIGNATURE
4226
P.E. NUMBER
5/23/12
DATE

BIDDEFORD
ROUTE 1

CROSS SECTIONS

SHEET NUMBER
73
OF 102

Sta. 58+75.00 to Sta. 59+25.00



STATE OF MAINE
DEPARTMENT OF TRANSPORTATION

STP-1481(400)X

WIN
14814.00

HIGHWAY PLANS

SIGNATURE
4226
P.E. NUMBER
5/23/12
DATE

	BY	DATE
PROJ. MANAGER	ERNIE MARTIN	
DESIGN-DETAILED	RCL	5-12
CHECKED-REVIEWED	ALG	5-12
DESIGN2-DETAILED2		
DESIGN3-DETAILED3		
REVISIONS 1		
REVISIONS 2		
REVISIONS 3		
REVISIONS 4		
FIELD CHANGES		

BIDDEFORD
ROUTE 1

CROSS SECTIONS

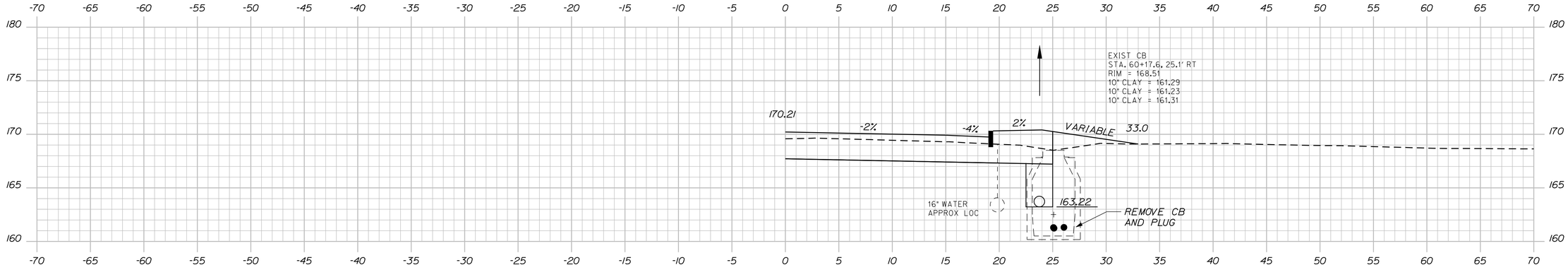
SHEET NUMBER

74

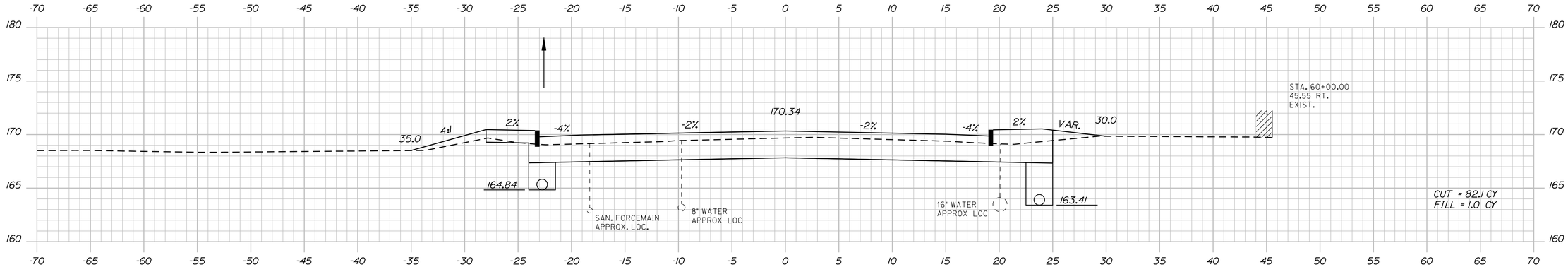
OF 102

Filename: ...\MSTA\074_XSECT_59+50_043.dgn Division: HIGHWAY Username: jeason Date:6/4/2012

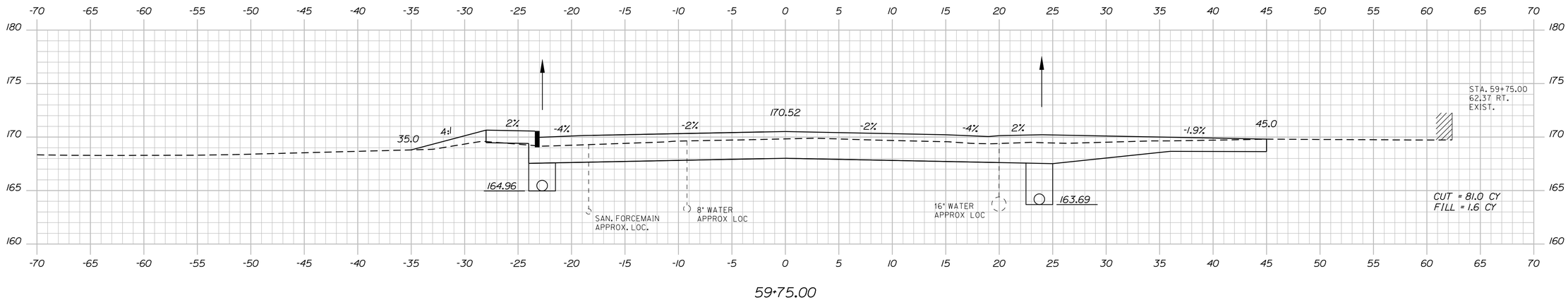
Sta. 59+50.00 to Sta. 59+71.10



60+17.60



60+00.00



59+75.00

Sta. 59+75.00 to Sta. 60+17.60

STATE OF MAINE
DEPARTMENT OF TRANSPORTATION

STP-1481(400)X

WIN
14814.00

HIGHWAY PLANS

			DATE
PROJ. MANAGER	ERNIE MARTIN	BY	
DESIGN-DETAILED	RCL	RCL	5-12
CHECKED-REVIEWED	ALG		5-12
DESIGN2-DETAILED2			
DESIGN3-DETAILED3			
REVISIONS 1			
REVISIONS 2			
REVISIONS 3			
REVISIONS 4			
FIELD CHANGES			

SIGNATURE

4226
P.E. NUMBER

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DATE

BIDDEFORD
ROUTE 1

CROSS SECTIONS

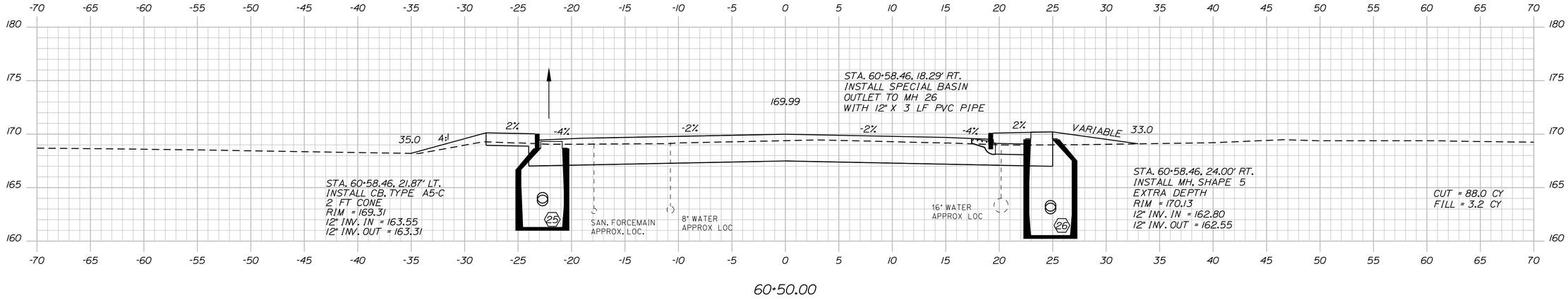
SHEET NUMBER

75

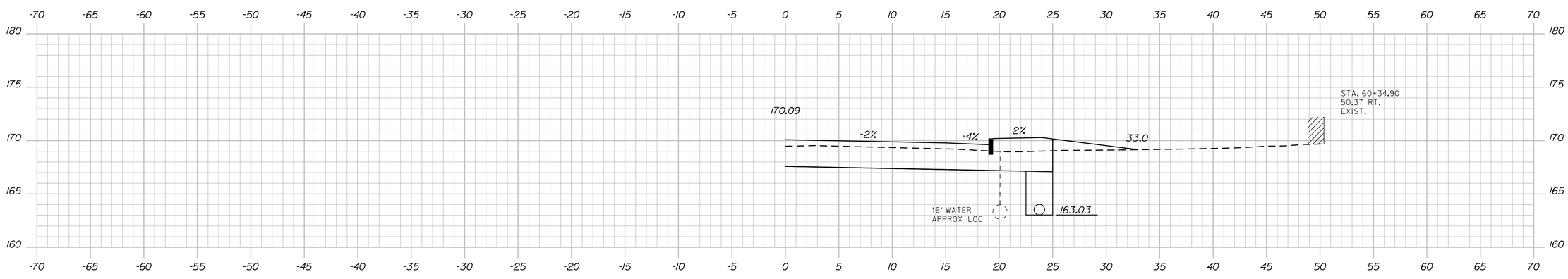
OF 102

Filename: ...\MSTA\075_XSECT_59-75_044.dgn Division: HIGHWAY Username: jeason Date:6/4/2012

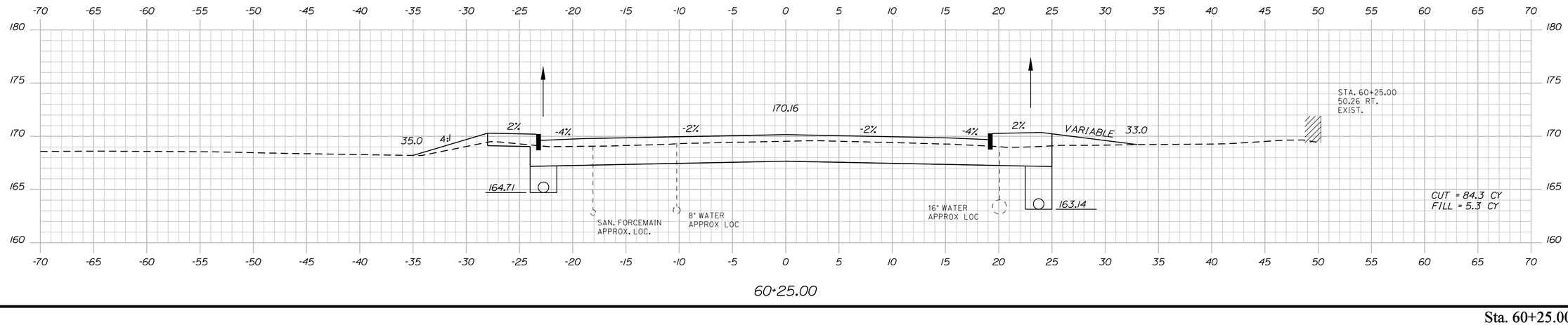
Filename: ...\MSTA\076_XSECT_60-25_045.dgn Division: HIGHWAY Username: jeason Date:6/4/2012



60+50.00



60+34.90



60+25.00

STATE OF MAINE
DEPARTMENT OF TRANSPORTATION

STP-1481(400)X

WIN
14814.00

HIGHWAY PLANS

			DATE
PROJ. MANAGER	ERNIE MARTIN	BY	
DESIGN-DETAILED	RCL	RCL	5-12
CHECKED-REVIEWED	ALG	ALG	5-12
DESIGN2-DETAILED2			
DESIGN3-DETAILED3			
REVISIONS 1			
REVISIONS 2			
REVISIONS 3			
REVISIONS 4			
FIELD CHANGES			

SIGNATURE

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BIDDEFORD
ROUTE 1

CROSS SECTIONS

SHEET NUMBER

76

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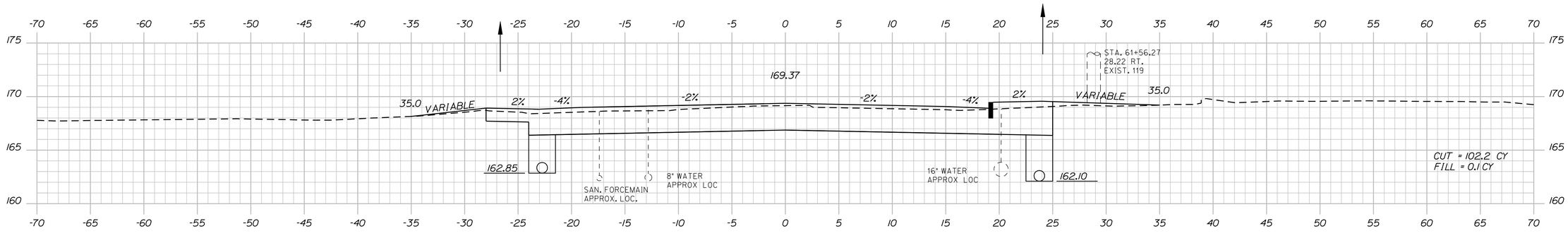
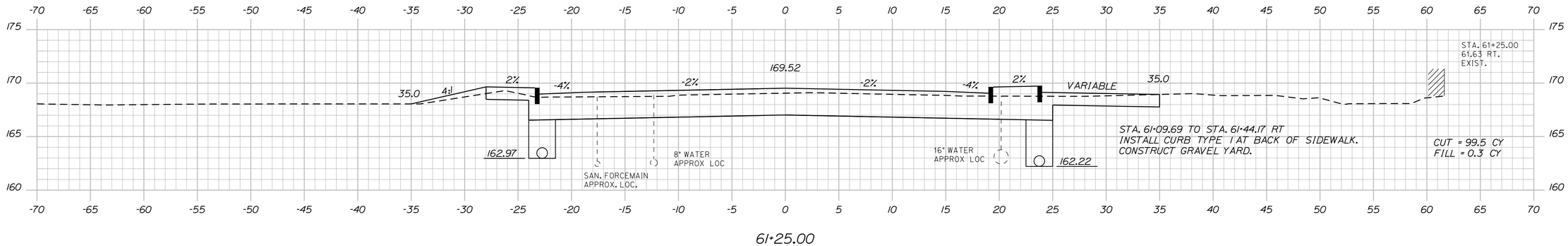
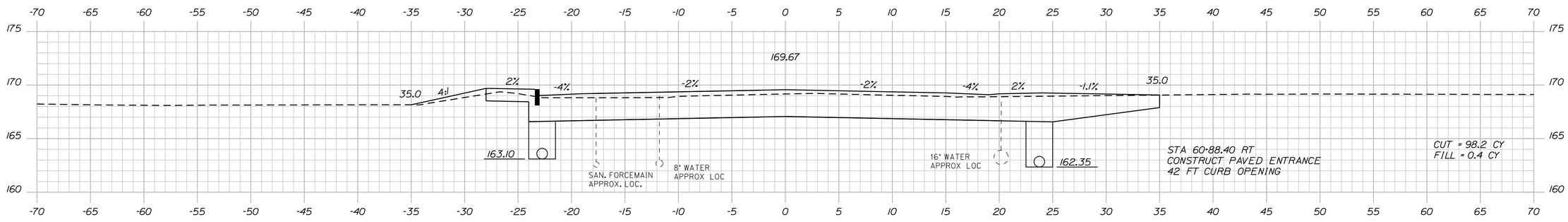
Sta. 60+25.00 to Sta. 60+50.00



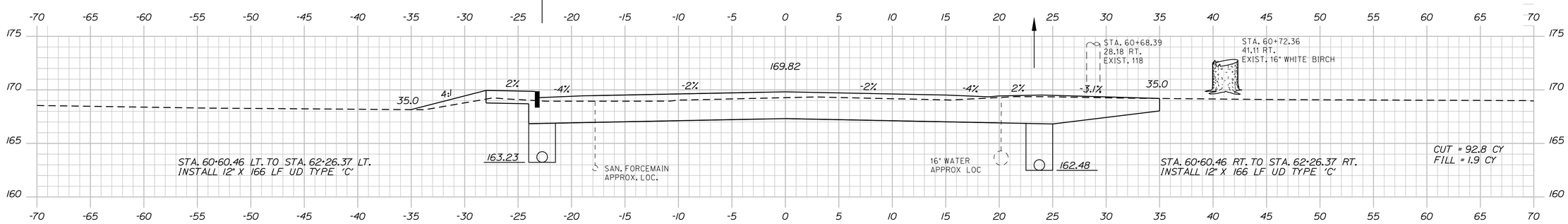
61+50.00



61+25.00



61+00.00



60+75.00

STATE OF MAINE
DEPARTMENT OF TRANSPORTATION

STP-1481(400)X

WIN
14814.00

HIGHWAY PLANS

PROJ. MANAGER	ERNIE MARTIN	BY	DATE
DESIGN-DETAILED	RCL	RCL	5-12
CHECKED-REVIEWED	ALG		5-12
DESIGN2-DETAILED2			
DESIGN3-DETAILED3			
REVISIONS 1			
REVISIONS 2			
REVISIONS 3			
REVISIONS 4			
FIELD CHANGES			

SIGNATURE
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5/23/12
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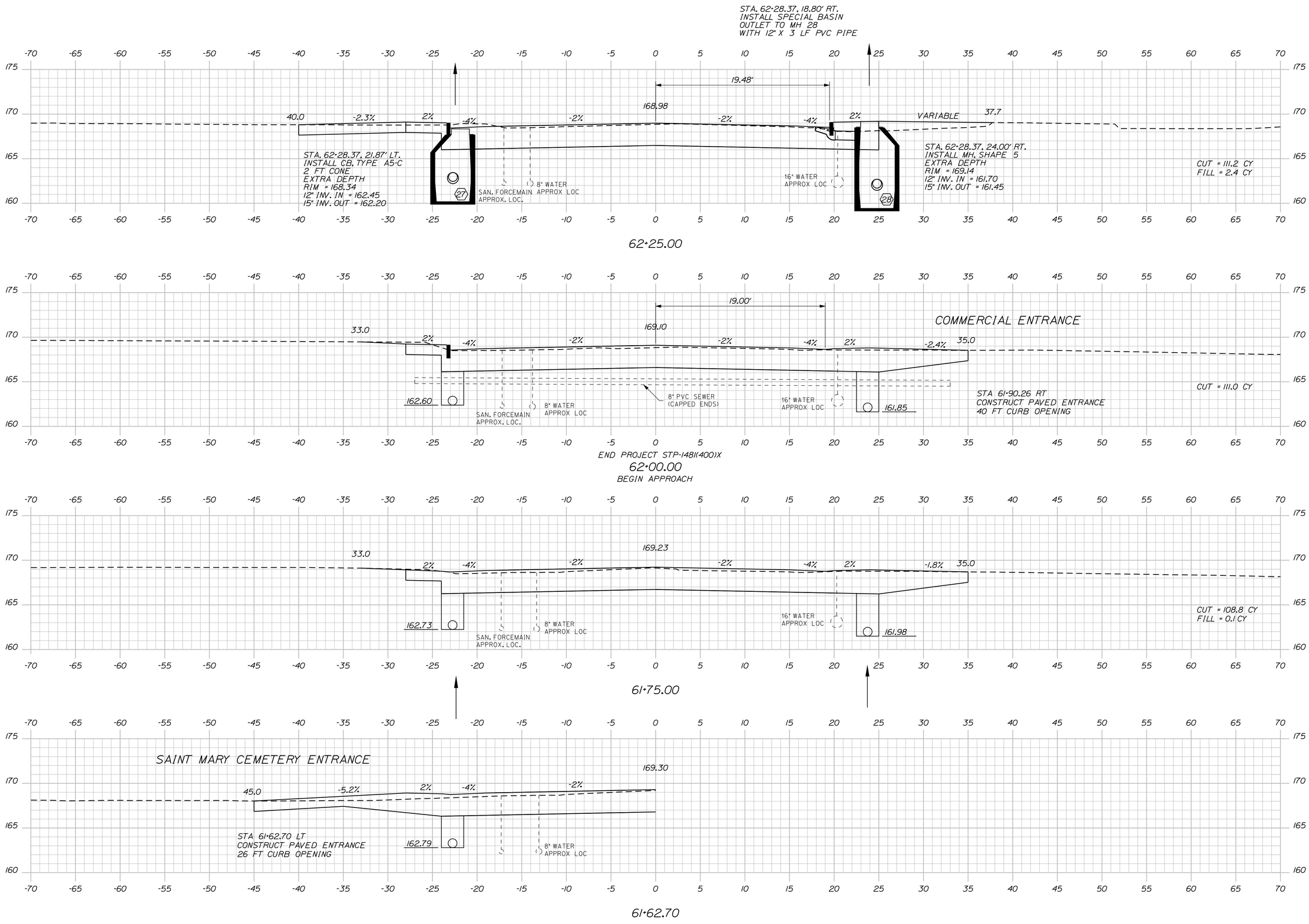
BIDDEFORD
ROUTE 1

CROSS SECTIONS

SHEET NUMBER
77
OF 102

Sta. 60+75.00 to Sta. 61+50.00

Filename: ...\MSTA\077_XSECT_60+75_046.dgn Division: HIGHWAY Username: jeason Date:6/4/2012



STATE OF MAINE
DEPARTMENT OF TRANSPORTATION

STP-1481(400)X

WIN
14814.00

HIGHWAY PLANS

PROJ. MANAGER	ERNIE MARTIN	BY	DATE
DESIGN-DETAILED	RCL	RCL	5-12
CHECKED-REVIEWED	ALG		5-12
DESIGN2-DETAILED2			
DESIGN3-DETAILED3			
REVISIONS 1			
REVISIONS 2			
REVISIONS 3			
REVISIONS 4			
FIELD CHANGES			

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ROUTE 1

CROSS SECTIONS

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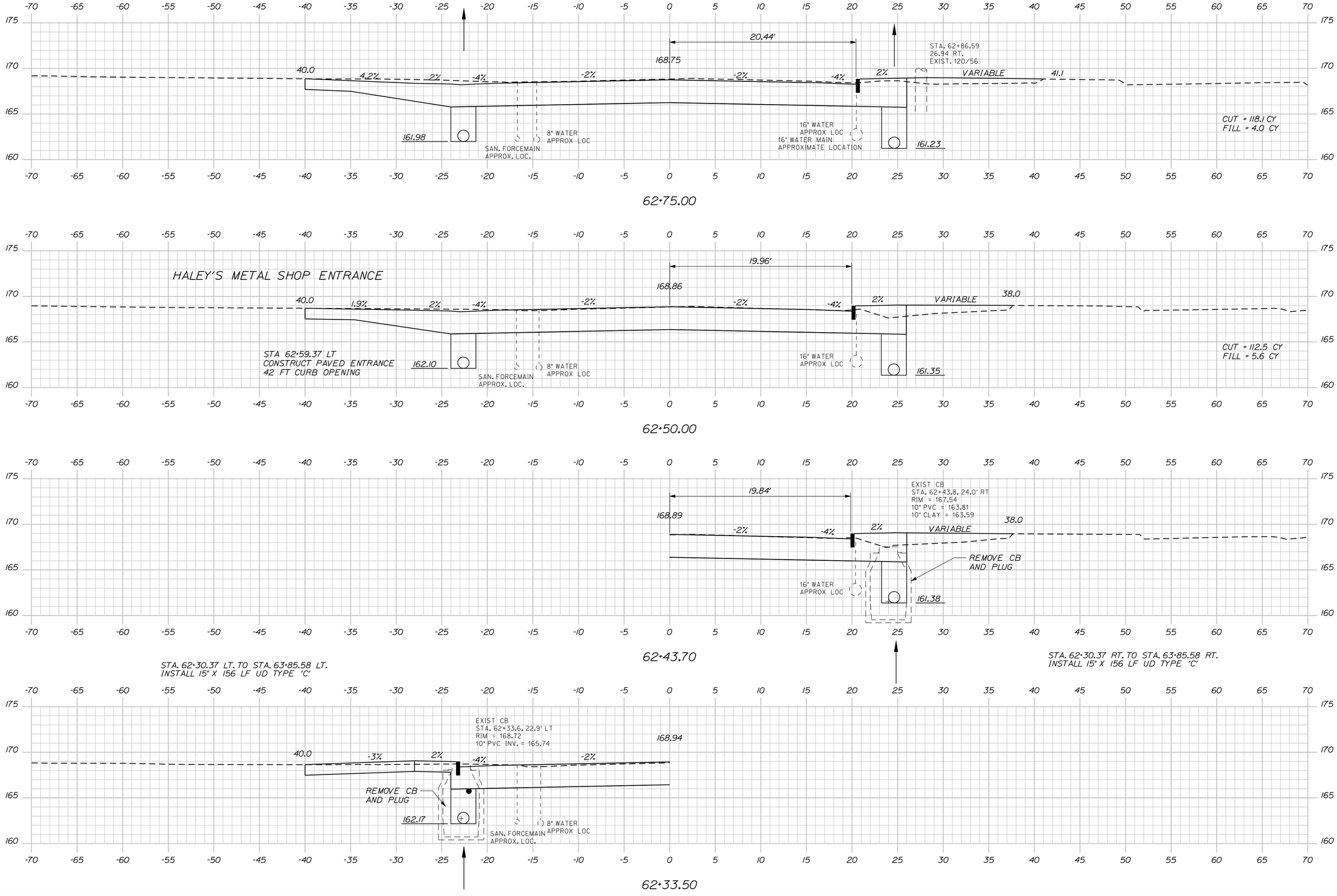
OF 102

Sta. 61+62.70 to Sta. 62+25.00

Filename: ...\MSTA\078_XSECT_61+62_047.dgn Division: HIGHWAY Username: jeason Date:6/4/2012



STATE OF MAINE
DEPARTMENT OF TRANSPORTATION

STP-1481(400)X

WIN 14814.00

HIGHWAY PLANS

PROJ. MANAGER	ERNIE MARTIN	BY	DATE
DESIGN-DETAILED	RCL	RCL	5-12
CHECKED-REVIEWED	ALG		5-12
DESIGN2-DETAILED2			
DESIGN3-DETAILED3			
REVISIONS 1			
REVISIONS 2			
REVISIONS 3			
REVISIONS 4			
FIELD CHANGES			

SIGNATURE
4226
P.E. NUMBER
5/23/12
DATE

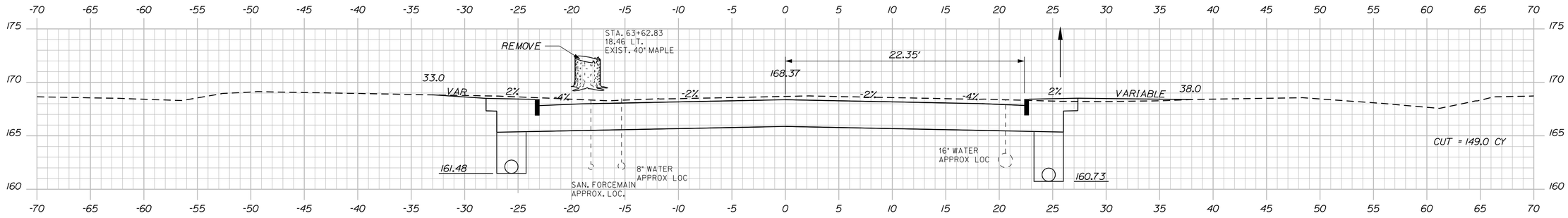
BIDDEFORD
ROUTE 1

CROSS SECTIONS

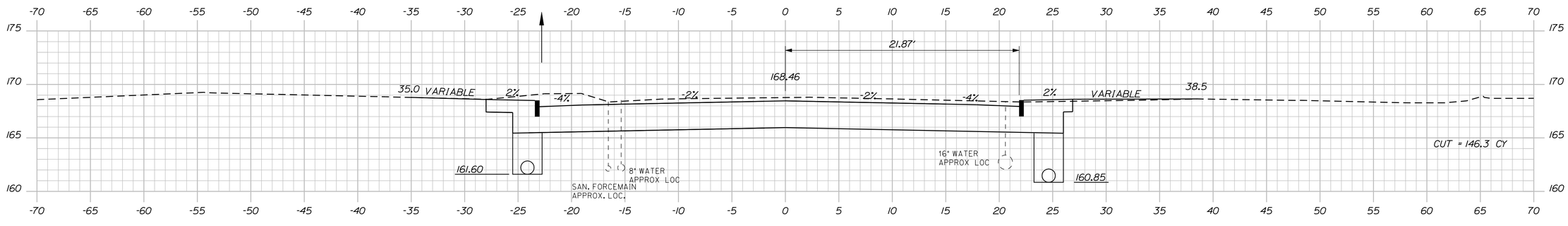
SHEET NUMBER
79
OF 102

Sta. 62+33.50 to Sta. 62+75.00

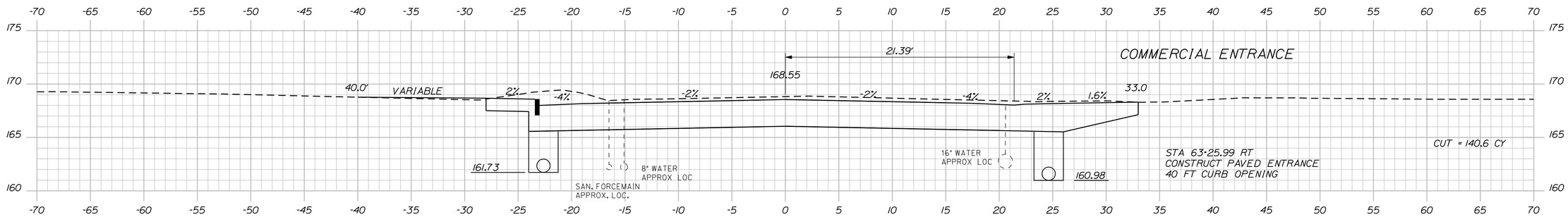
Filename: ...\MSTA\079_XSECT_62+33_048.dgn Division: HIGHWAY Username: jeason Date:6/4/2012



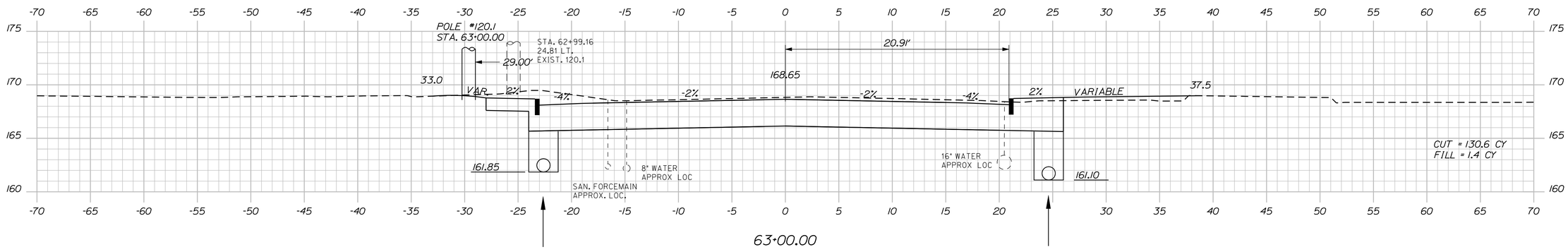
63+75.00



63+50.00



63+25.00



63+00.00

Sta. 63+00.00 to Sta. 63+75.00

STATE OF MAINE
DEPARTMENT OF TRANSPORTATION

STP-1481(400)X

WIN
14814.00

HIGHWAY PLANS

	SIGNATURE	
	4226	
	P.E. NUMBER	
	5/23/12	
	DATE	

PROJ. MANAGER		
DESIGN-DETAILED	RCL	5-12
CHECKED-REVIEWED	ALG	5-12
DESIGN2-DETAILED2		
DESIGN3-DETAILED3		
REVISIONS 1		
REVISIONS 2		
REVISIONS 3		
REVISIONS 4		
FIELD CHANGES		

BIDDEFORD
ROUTE 1

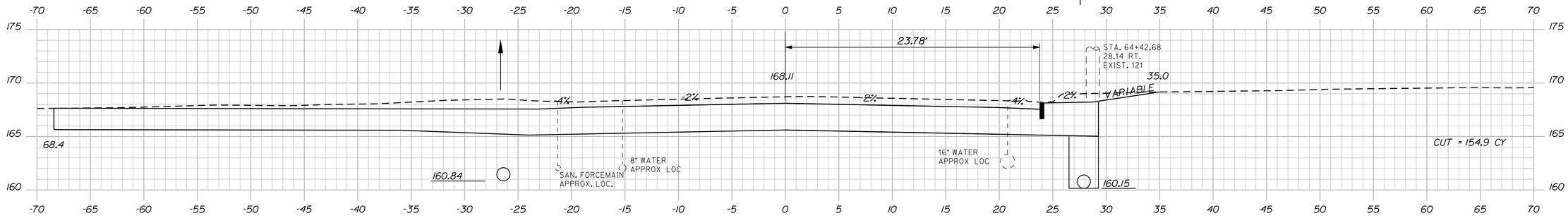
CROSS SECTIONS

SHEET NUMBER

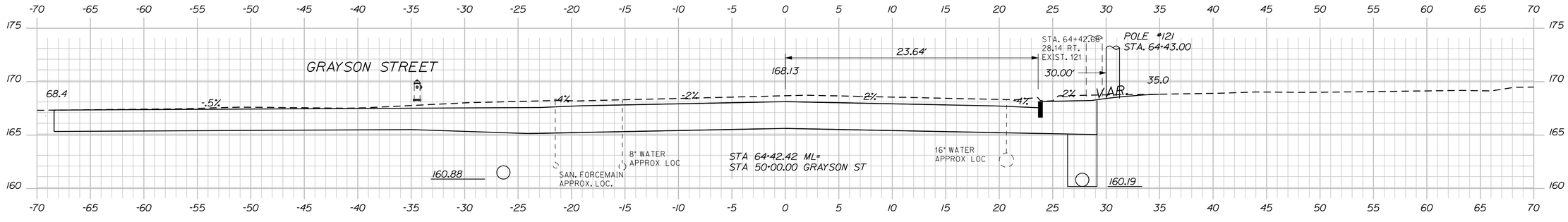
80

OF 102

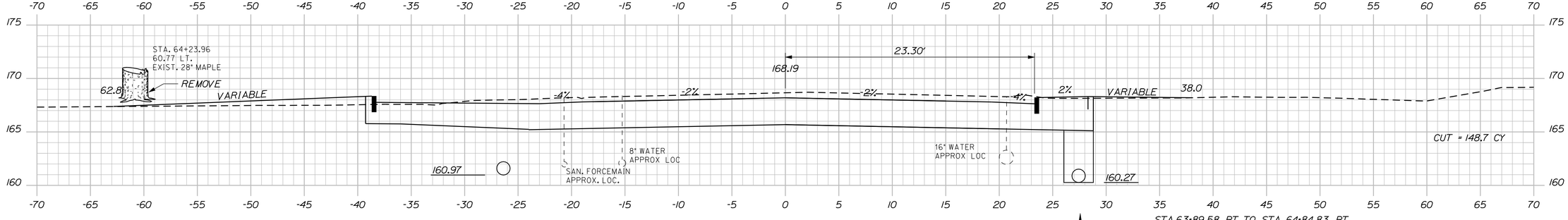
Filename: ...\MSTA\080_XSECT_63+00_049.dgn Division: HIGHWAY Username: jeason Date:6/4/2012



64+50.00



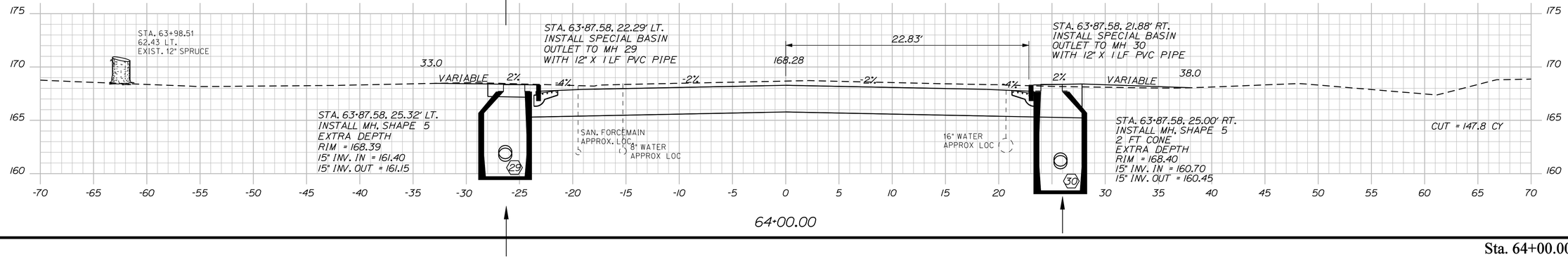
64+42.42



64+25.00

STA. 63+89.58 LT. TO STA. 64+84.83 LT.
INSTALL 15" X 96 LF CULVERT PIPE, OPT III

STA.63+89.58 RT. TO STA. 64+84.83 RT.
INSTALL 15" X 96 LF UD TYPE 'C'



64+00.00

Sta. 64+00.00 to Sta. 64+50.00

STATE OF MAINE
DEPARTMENT OF TRANSPORTATION

STP-1481(400)X

WIN
14814.00

HIGHWAY PLANS

		BY	DATE
PROJ. MANAGER	ERNIE MARTIN		
DESIGN-DETAILED	RCL	RCL	5-12
CHECKED-REVIEWED	ALG	ALG	5-12
DESIGN2-DETAILED2			
DESIGN3-DETAILED3			
REVISIONS 1			
REVISIONS 2			
REVISIONS 3			
REVISIONS 4			
FIELD CHANGES			

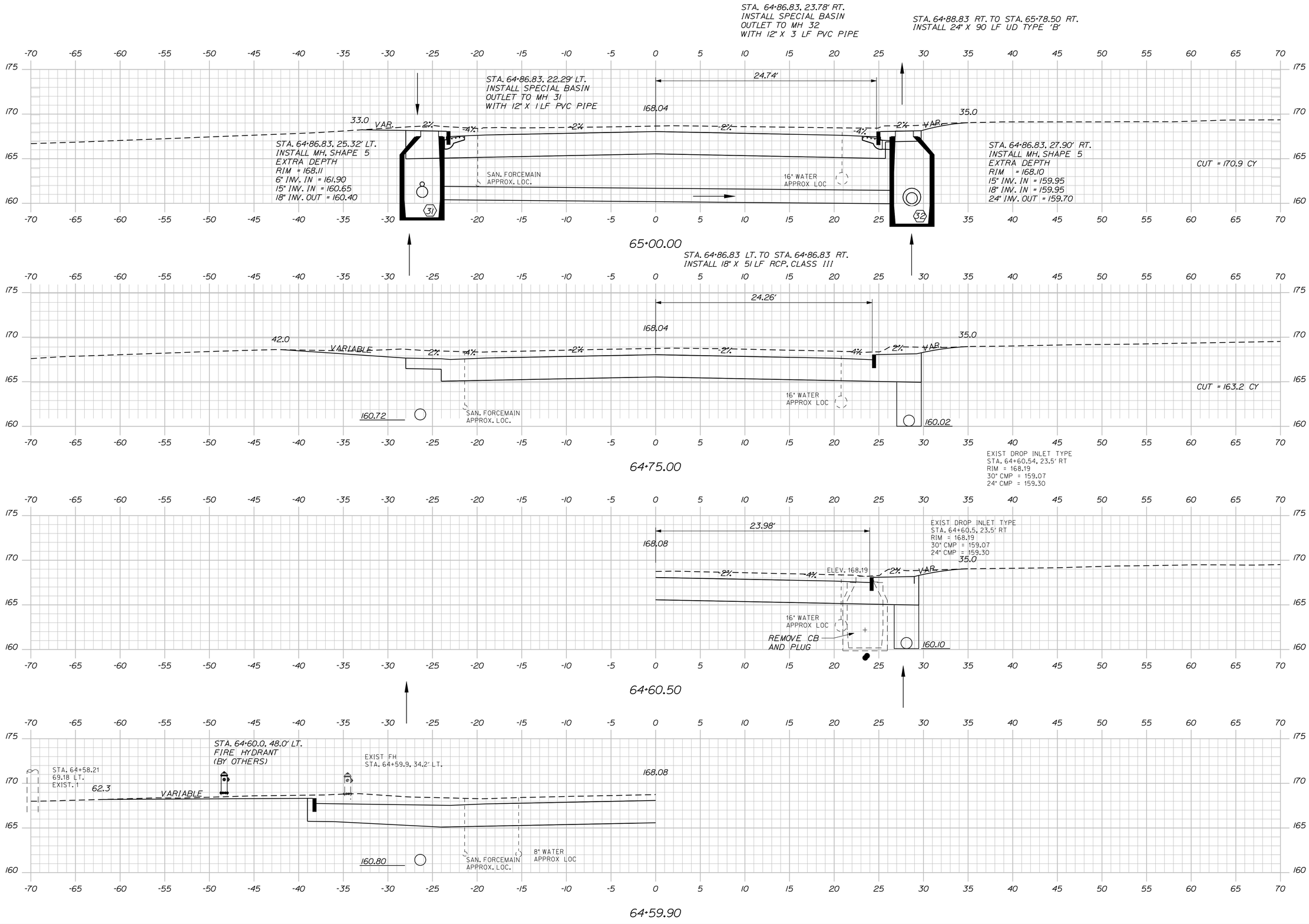
SIGNATURE
4226
P.E. NUMBER
5/23/12
DATE

BIDDEFORD
ROUTE 1

CROSS SECTIONS

SHEET NUMBER
81
OF 102

Filename: ...\MSTA\081_XSECT_64+00_050.dgn Division: HIGHWAY Username: jeason Date:6/4/2012



STATE OF MAINE
DEPARTMENT OF TRANSPORTATION

STP-1481(400)X

WIN
14814.00

HIGHWAY PLANS

PROJ. MANAGER	ERNIE MARTIN	BY	DATE
DESIGN-DETAILED	RCL	RCL	5-12
CHECKED-REVIEWED	ALG		5-12
DESIGN2-DETAILED2			
DESIGN3-DETAILED3			
REVISIONS 1			
REVISIONS 2			
REVISIONS 3			
REVISIONS 4			
FIELD CHANGES			

SIGNATURE
4226
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5/23/12
DATE

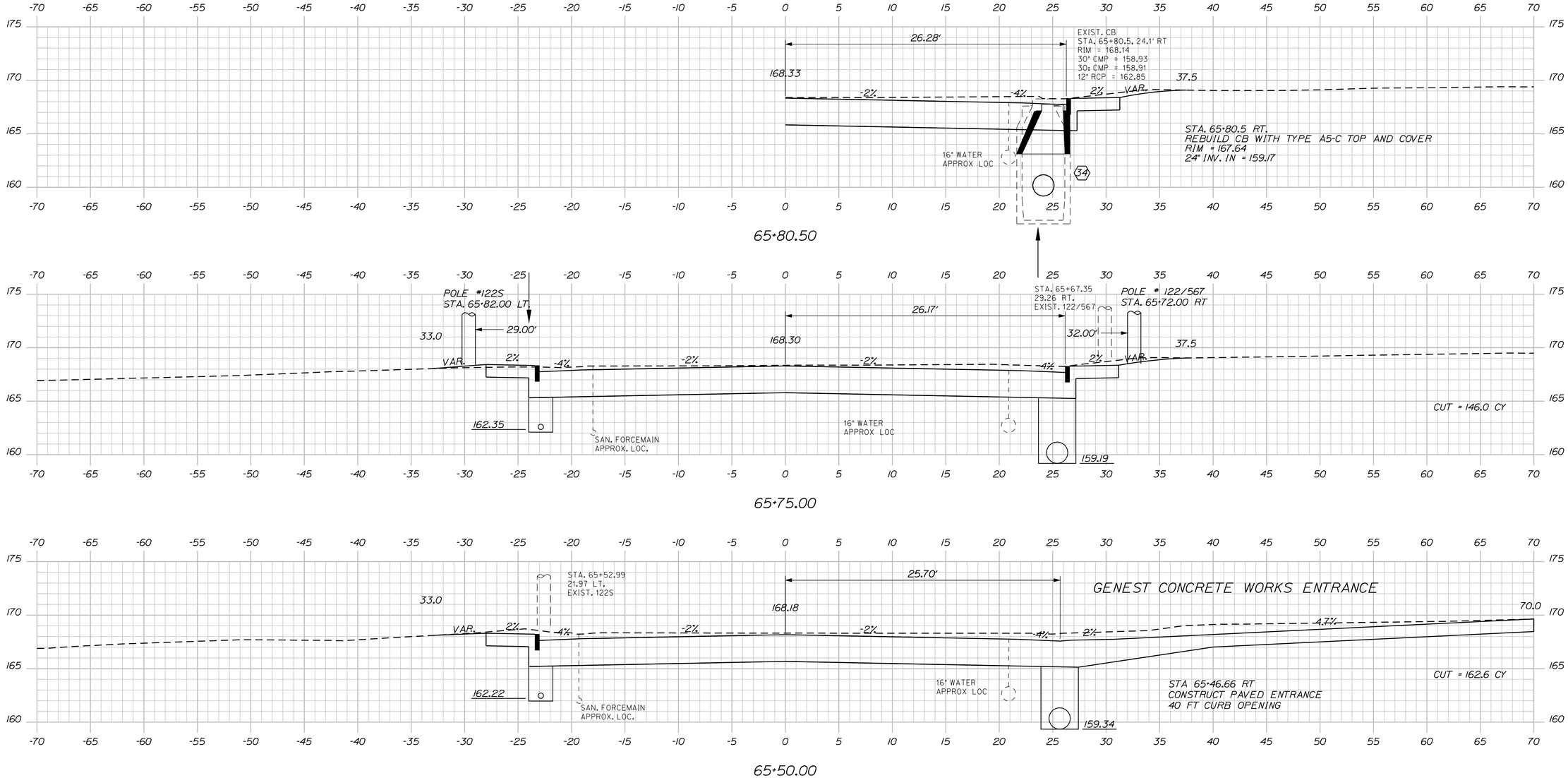
BIDDEFORD
ROUTE 1

CROSS SECTIONS

SHEET NUMBER
82
OF 102

Sta. 64+59.90 to Sta. 65+00.00

Filename: ...\MSTA\082_XSECT_64+59_051.dgn Division: HIGHWAY Username: jeason Date:6/4/2012



STATE OF MAINE
DEPARTMENT OF TRANSPORTATION

STP-1481(400)X

WIN 14814.00

HIGHWAY PLANS

		BY	DATE
PROJ. MANAGER	ERNIE MARTIN		
DESIGN-DETAILED	RCL	RCL	5-12
CHECKED-REVIEWED	ALG		5-12
DESIGN2-DETAILED2			
DESIGN3-DETAILED3			
REVISIONS 1			
REVISIONS 2			
REVISIONS 3			
REVISIONS 4			
FIELD CHANGES			

SIGNATURE
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5/23/12
DATE

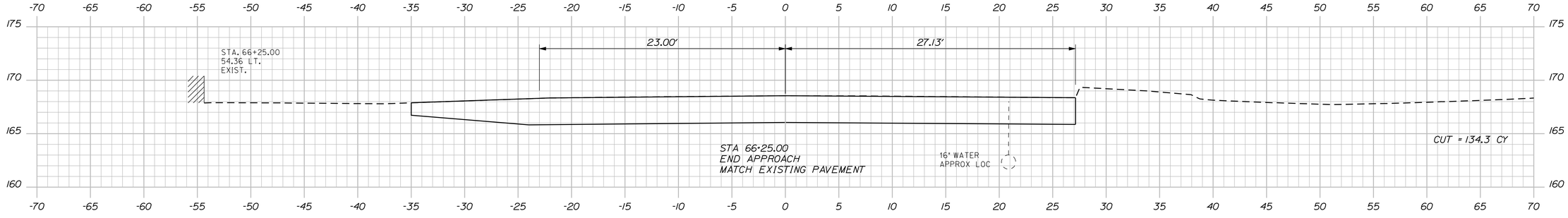
BIDDEFORD
ROUTE 1

CROSS SECTIONS

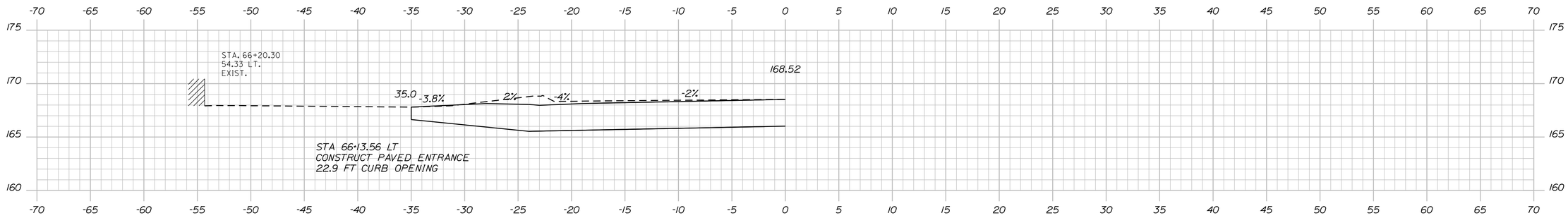
SHEET NUMBER
83
OF 102

Sta. 65+25.00 to Sta. 65+80.50

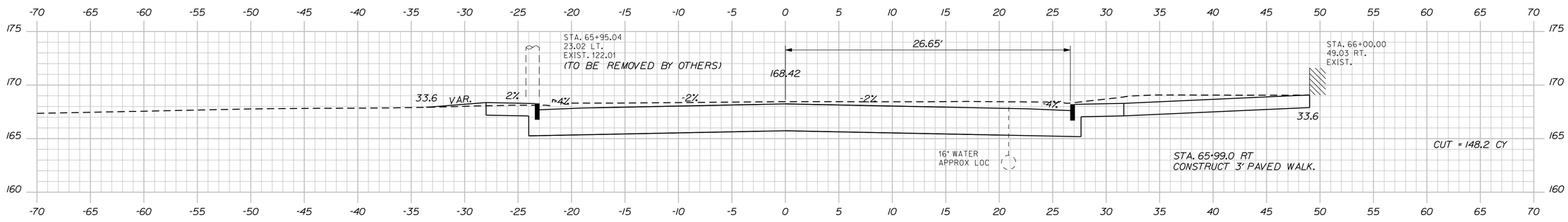
Filename: ...\MSTA\083_XSECT_65+25_052.dgn Division: HIGHWAY Username: jeason Date:6/4/2012



66+25.00

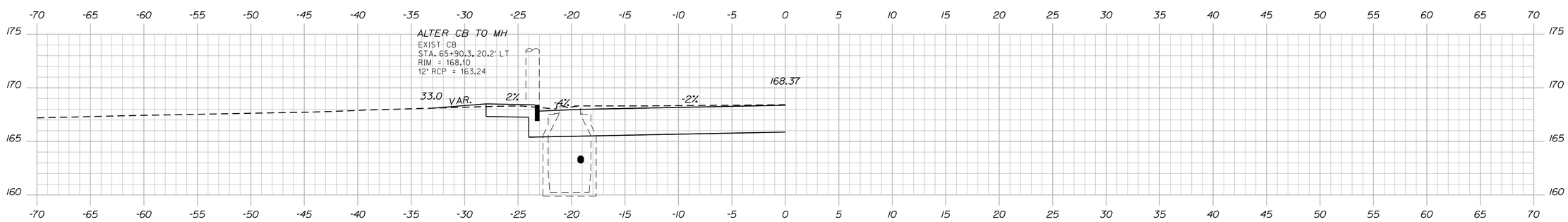


66+20.30



66+00.00

STA. 65+71 TO STA. 66+23 RT
REMOVE AND RESET 52 LF OF
3-RAIL WOOD FENCE AT 36" RT



65+90.30

STATE OF MAINE
DEPARTMENT OF TRANSPORTATION

STP-1481(400)X

WIN
14814.00

HIGHWAY PLANS

PROJ. MANAGER	ERNIE MARTIN	BY	DATE
DESIGN-DETAILED	RCL	RCL	5-12
CHECKED-REVIEWED	ALG		5-12
DESIGN2-DETAILED2			
DESIGN3-DETAILED3			
REVISIONS 1			
REVISIONS 2			
REVISIONS 3			
REVISIONS 4			
FIELD CHANGES			

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BIDDEFORD
ROUTE 1

CROSS SECTIONS

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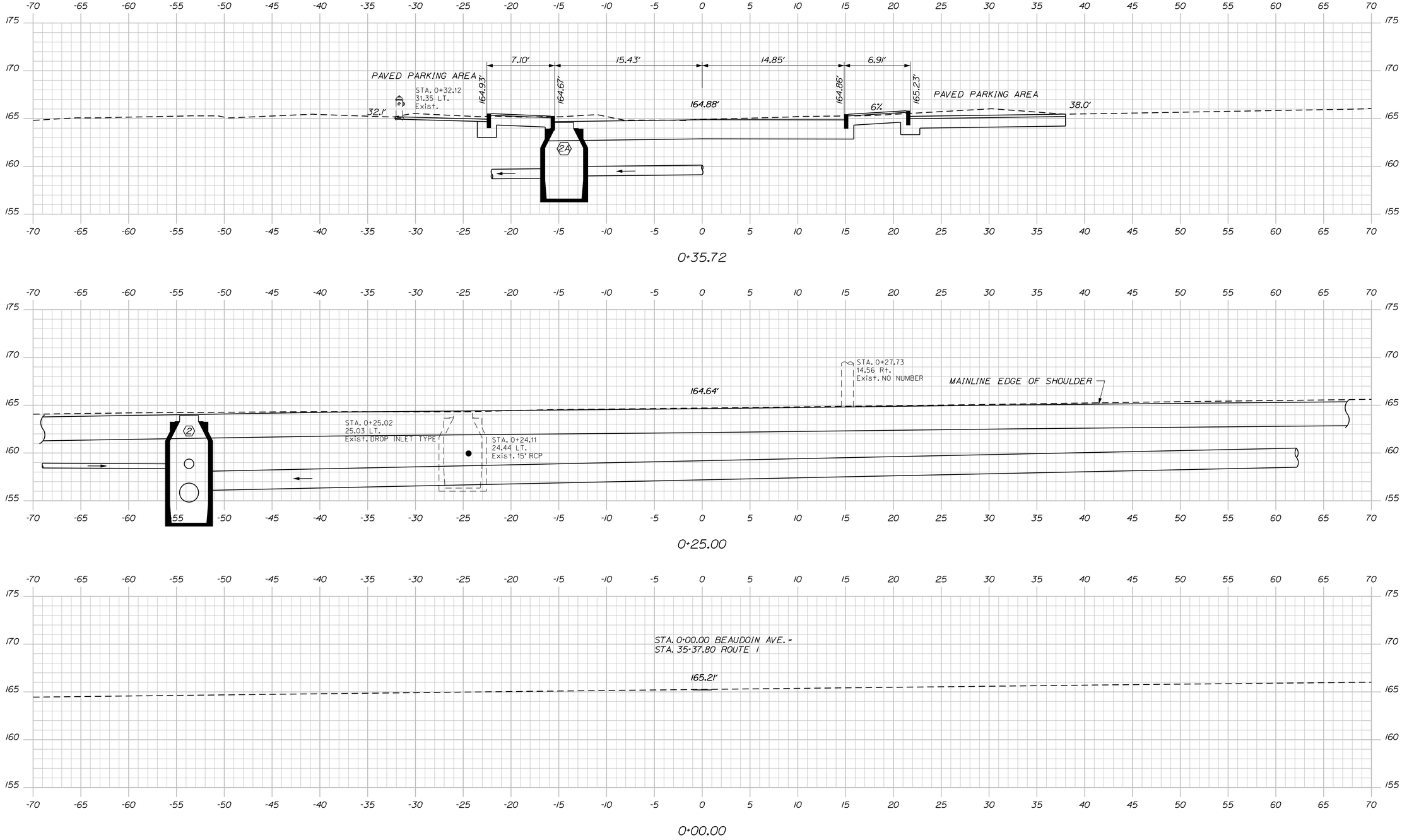
OF 102

Sta. 65+90.30 to Sta. 66+25.00

Filename: ...\MSTA\084_XSECT_65+90_053.dgn Division: HIGHWAY Username: jeason Date:6/4/2012



Sta. 0+00.00 to Sta. 0+35.72

STATE OF MAINE
DEPARTMENT OF TRANSPORTATION

STP-1481(400)X

WIN
14814.00

HIGHWAY PLANS

SIGNATURE
4226
P.E. NUMBER
5/23/12
DATE

	BY	DATE
PROJ. MANAGER	ERNIE MARTIN	
DESIGN-DETAILED	MSM	5-12
CHECKED-REVIEWED	ALG	5-12
DESIGN2-DETAILED2		
DESIGN3-DETAILED3		
REVISIONS 1		
REVISIONS 2		
REVISIONS 3		
REVISIONS 4		
FIELD CHANGES		

BIDDEFORD
BEAUDOIN AVENUE

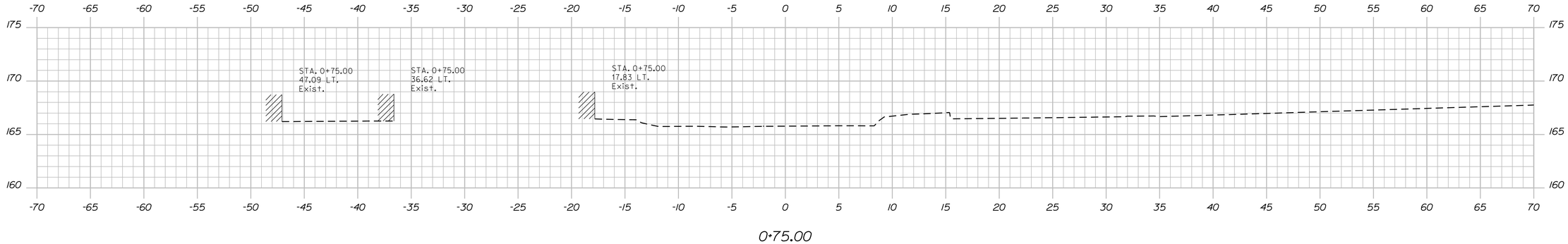
CROSS SECTIONS

SHEET NUMBER

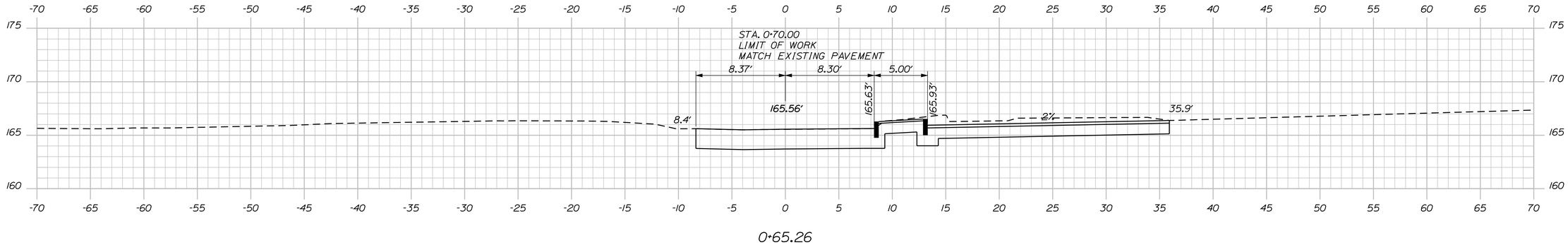
85

OF 102

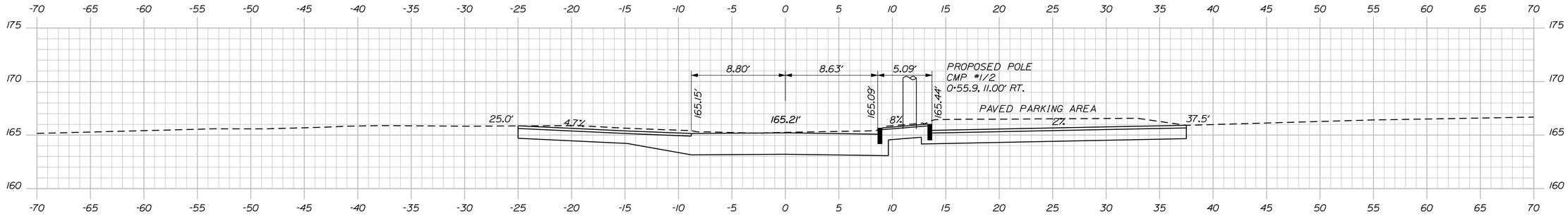
Filename: ...\MSTA\085_XSECT_0+00_001.dgn Division: HIGHWAY Username: jeason Date:6/4/2012



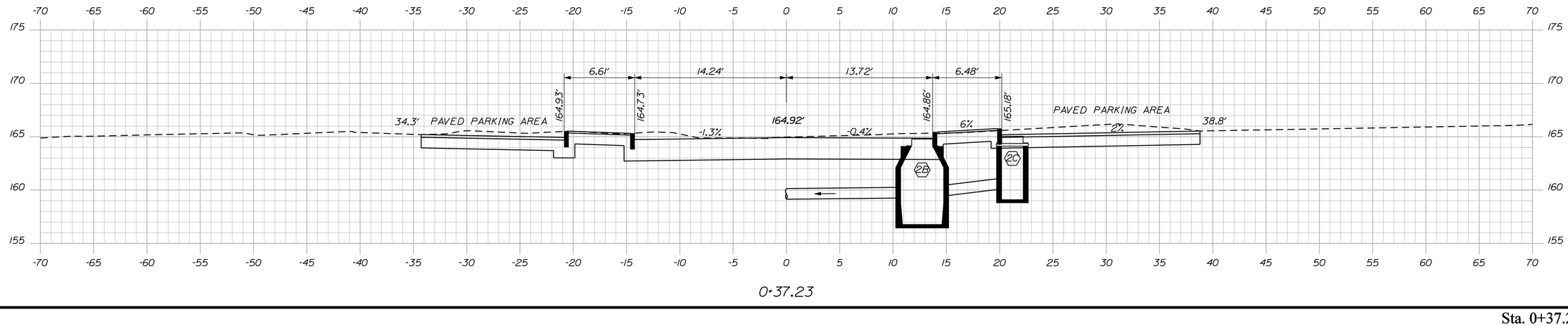
0+75.00



0+65.26



0+50.00



0+37.23

Sta. 0+37.23 to Sta. 0+75.00

STATE OF MAINE
DEPARTMENT OF TRANSPORTATION

STP-1481(400)X

WIN
14814.00

HIGHWAY PLANS

PROJ. MANAGER	ERNIE MARTIN	BY	DATE
DESIGN-DETAILED	MSM	MSM	5-12
CHECKED-REVIEWED	ALG		5-12
DESIGN2-DETAILED2			
DESIGN3-DETAILED3			
REVISIONS 1			
REVISIONS 2			
REVISIONS 3			
REVISIONS 4			
FIELD CHANGES			

SIGNATURE

4226
P.E. NUMBER

5/23/12
DATE

BIDDEFORD
BEAUDOIN AVENUE

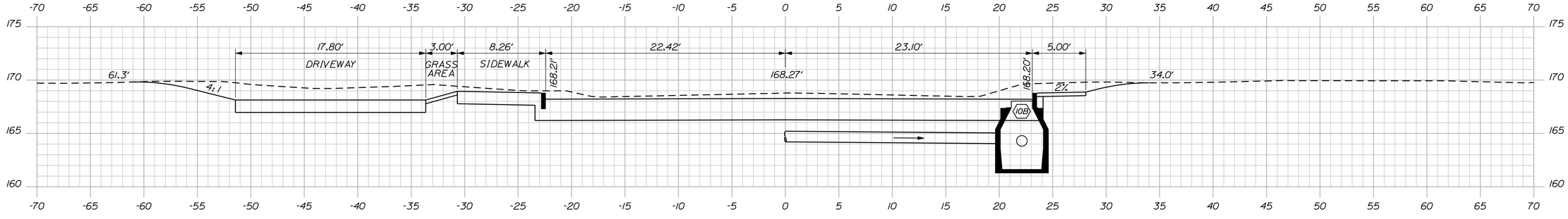
CROSS SECTIONS

SHEET NUMBER

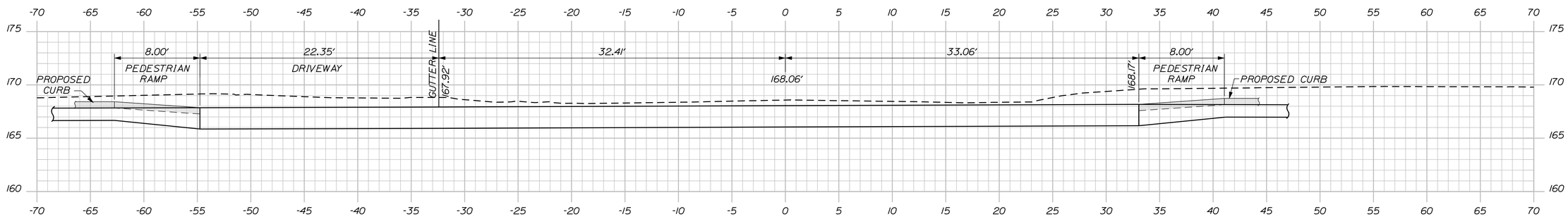
86

OF 102

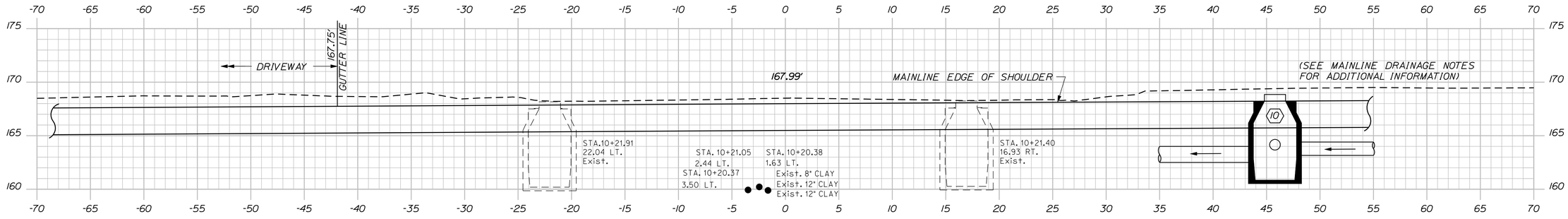
Filename: ...\MSTA\086_XSECT_0+37_002.dgn Division: HIGHWAY Username: jeason Date:6/4/2012



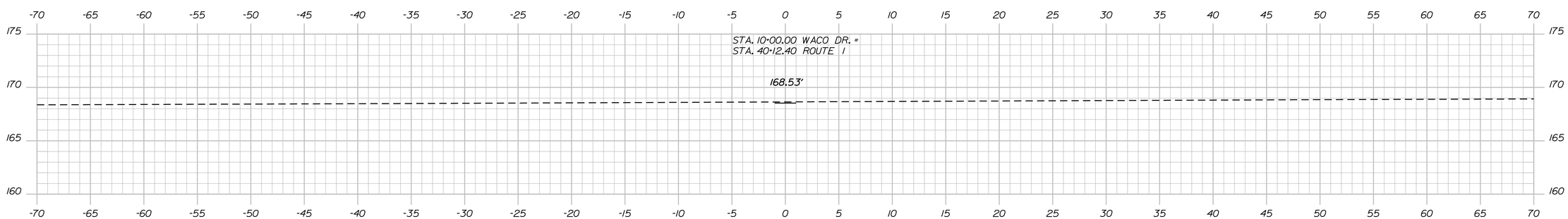
10+31.39



10+25.00



10+23.00



10+00.00

STATE OF MAINE
DEPARTMENT OF TRANSPORTATION

STP-1481(400)X

WIN 14814.00

HIGHWAY PLANS

PROJ. MANAGER	ERNIE MARTIN	BY	DATE
DESIGN-DETAILED	MSM	MSM	5-12
CHECKED-REVIEWED	ALG		5-12
DESIGN2-DETAILED2			
DESIGN3-DETAILED3			
REVISIONS 1			
REVISIONS 2			
REVISIONS 3			
REVISIONS 4			
FIELD CHANGES			

SIGNATURE

4226
P.E. NUMBER

5/25/12
DATE

BIDDEFORD
WACO DRIVE

CROSS SECTIONS

SHEET NUMBER

87

OF 102

Sta. 10+00.00 to Sta. 10+31.39

Filename: ...\MSTA\087_XSECT_10+00_004.dgn Division: HIGHWAY Username: jeason Date:6/4/2012

STATE OF MAINE
DEPARTMENT OF TRANSPORTATION

STP-1481(400)X

WIN
14814.00

HIGHWAY PLANS

	BY	DATE
PROJ. MANAGER	ERNIE MARTIN	
DESIGN-DETAILED	MSM	5-12
CHECKED-REVIEWED	ALG	5-12
DESIGN2-DETAILED2		
DESIGN3-DETAILED3		
REVISIONS 1		
REVISIONS 2		
REVISIONS 3		
REVISIONS 4		
FIELD CHANGES		

SIGNATURE

4226
P.E. NUMBER

5/25/12
DATE

BIDDEFORD
WACO DRIVE

CROSS SECTIONS

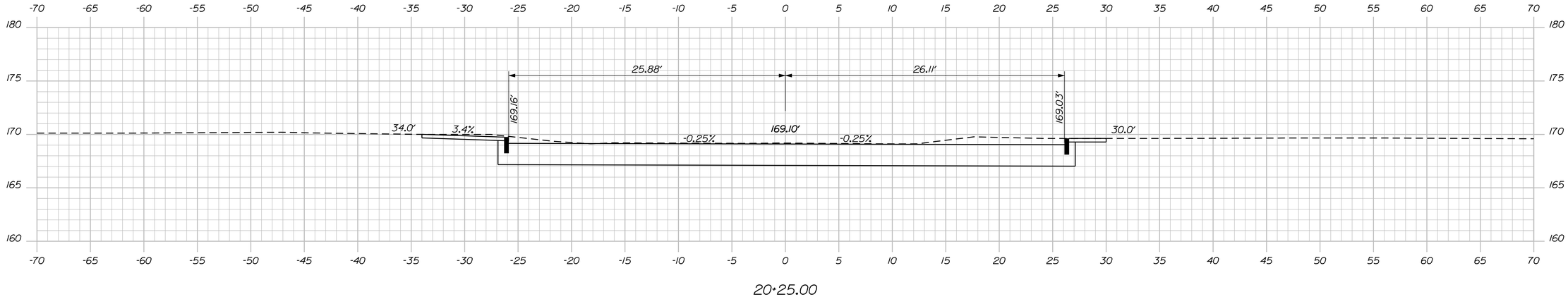
SHEET NUMBER

88

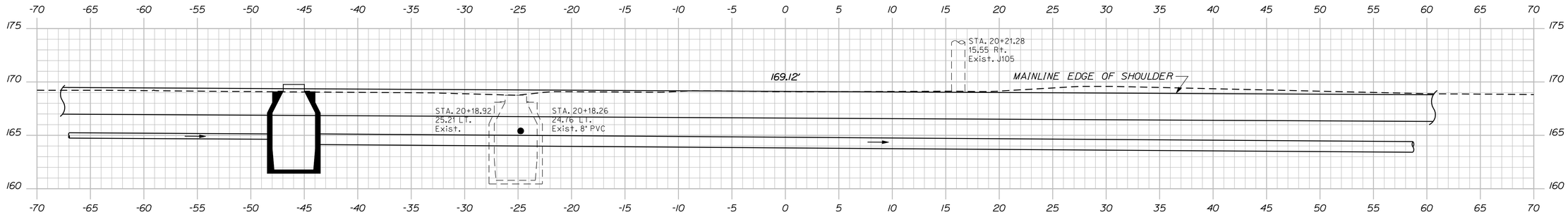
OF 102

Sta. 10+36.61 to Sta. 10+64.86

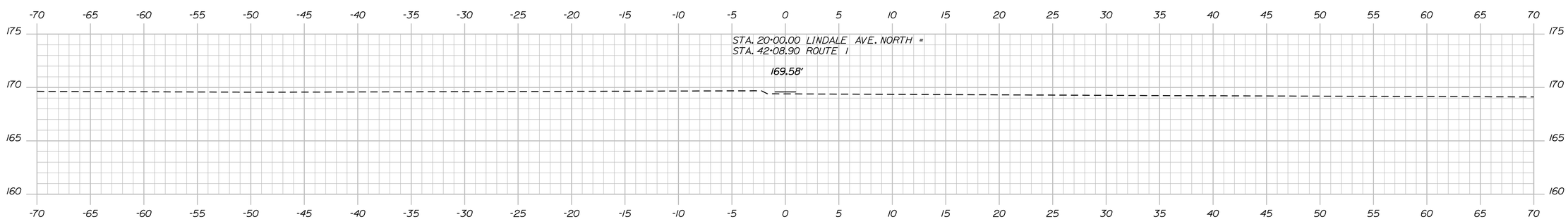
Filename: ...\MSTA\088_XSECT_10+36_005.dgn Division: HIGHWAY Username: jeason Date:6/4/2012



20+25.00



20+19.00



20+00.00

Sta. 20+00.00 to Sta. 20+25.00

STATE OF MAINE
DEPARTMENT OF TRANSPORTATION

STP-1481(400)X

WIN
14814.00

HIGHWAY PLANS

PROJ. MANAGER	ERNIE MARTIN	BY	DATE
DESIGN-DETAILED	MSM	MSM	5-12
CHECKED-REVIEWED	ALG	ALG	5-12
DESIGN2-DETAILED2			
DESIGN3-DETAILED3			
REVISIONS 1			
REVISIONS 2			
REVISIONS 3			
REVISIONS 4			
FIELD CHANGES			

SIGNATURE

4226

P.E. NUMBER

5/23/12

DATE

BIDDEFORD
LINDALE AVENUE NORTH

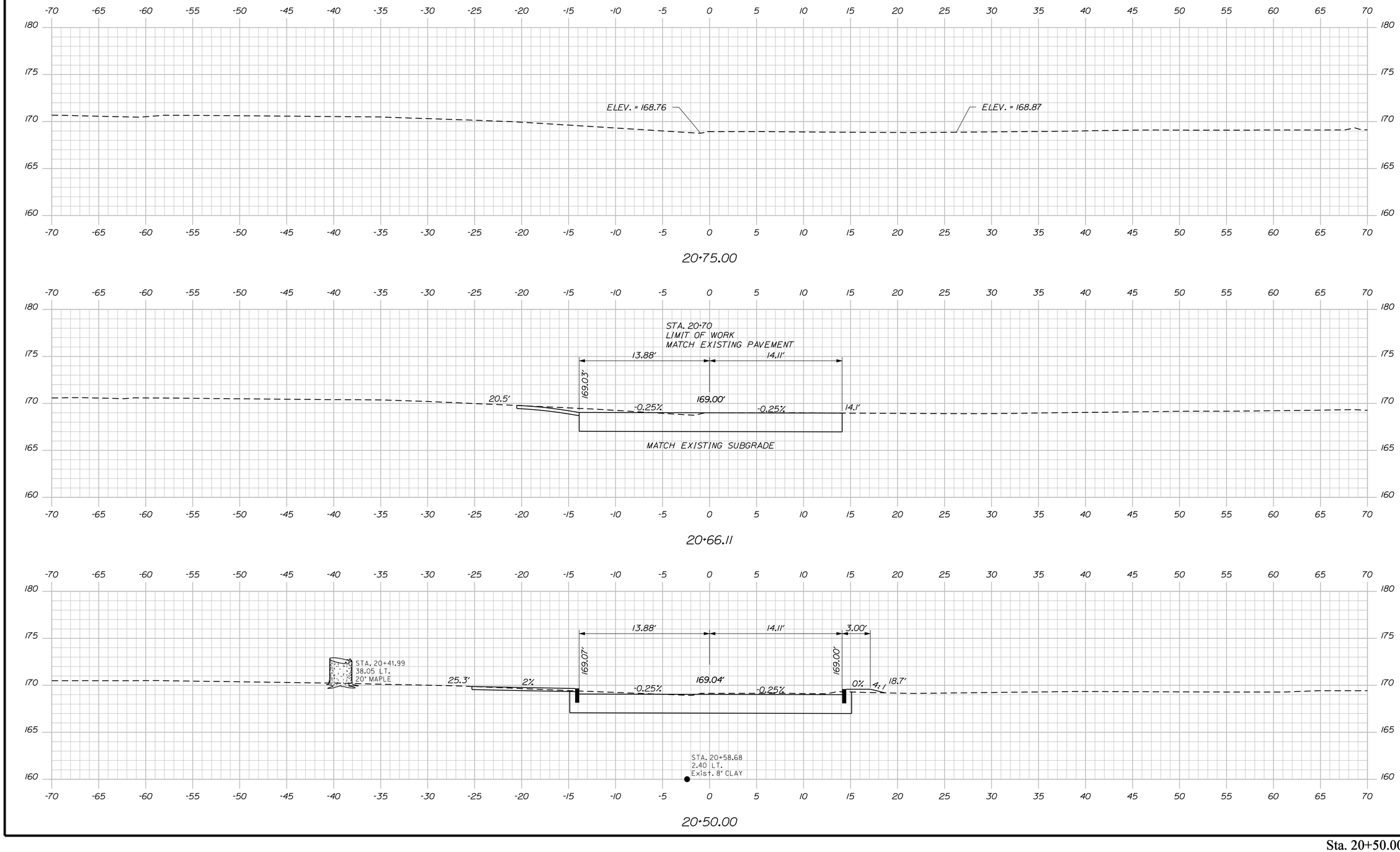
CROSS SECTIONS

SHEET NUMBER

89

OF 102

Filename: ...\MSTA\089_XSECT_20+00_007.dgn Division: HIGHWAY Username: jeason Date:6/4/2012



STATE OF MAINE
DEPARTMENT OF TRANSPORTATION

STP-1481(400)X

WIN
14814.00

HIGHWAY PLANS

SIGNATURE

4226

P.E. NUMBER

5/23/12

DATE

	BY	DATE
PROJ. MANAGER	ERNIE MARTIN	
DESIGN-DETAILED	MSM	5-12
CHECKED-REVIEWED	ALC	5-12
DESIGN2-DETAILED2		
DESIGN3-DETAILED3		
REVISIONS 1		
REVISIONS 2		
REVISIONS 3		
REVISIONS 4		
FIELD CHANGES		

BIDDEFORD
LINDALE AVENUE NORTH

CROSS SECTIONS

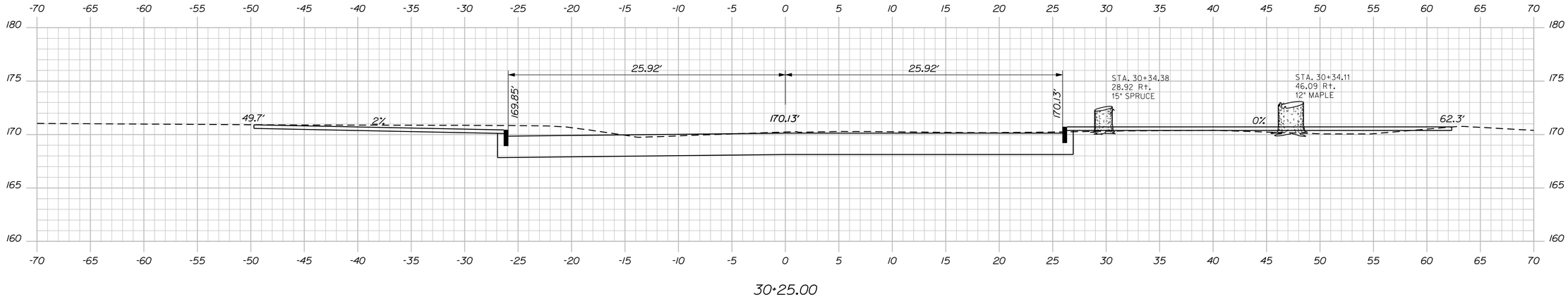
SHEET NUMBER

90

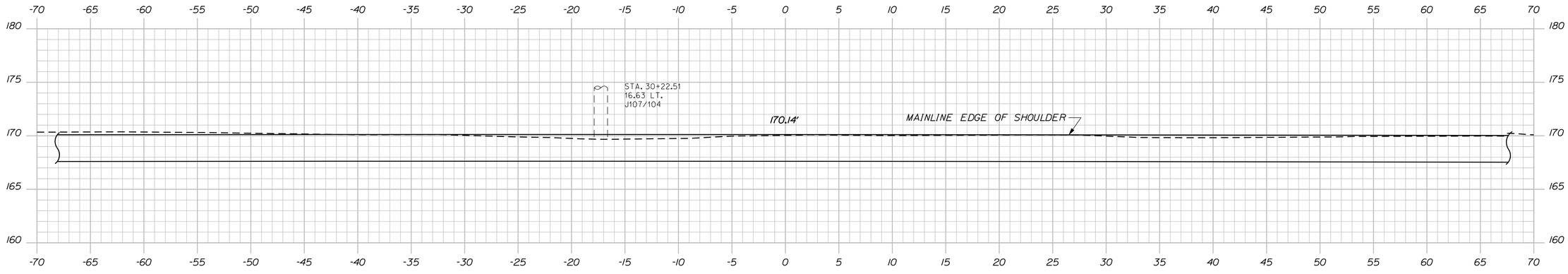
OF 102

Sta. 20+50.00 to Sta. 20+75.00

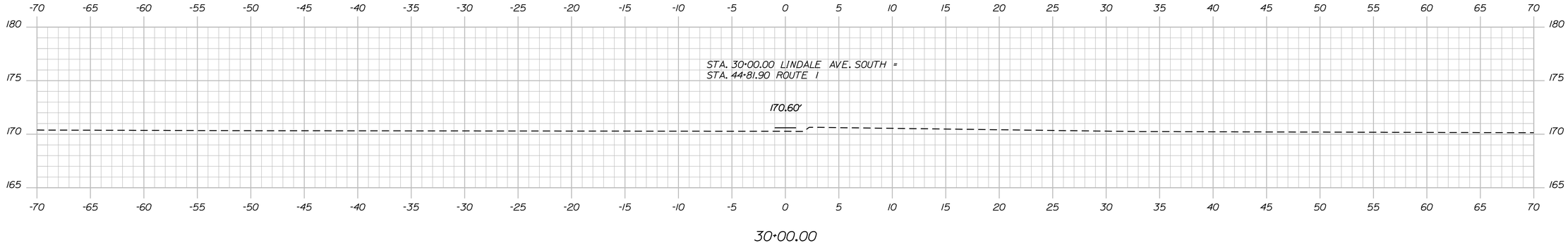
Filename: ...\MSTA\090_XSECT_20+50_008.dgn Division: HIGHWAY Username: jeason Date:6/4/2012



30+25.00



30+19.00



30+00.00

STATE OF MAINE
DEPARTMENT OF TRANSPORTATION

STP-1481(400)X

WIN
14814.00

HIGHWAY PLANS

			DATE
PROJ. MANAGER	ERNIE MARTIN	BY	
DESIGN-DETAILED	MSM	MSM	5-12
CHECKED-REVIEWED	ALG		5-12
DESIGN2-DETAILED2			
DESIGN3-DETAILED3			
REVISIONS 1			
REVISIONS 2			
REVISIONS 3			
REVISIONS 4			
FIELD CHANGES			

SIGNATURE

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BIDDEFORD
LINDALE AVENUE SOUTH

CROSS SECTIONS

SHEET NUMBER

91

OF 102

Sta. 30+00.00 to Sta. 30+25.00

Filename: ...\MSTA\091_XSECT_30+00_010.dgn Division: HIGHWAY Username: jeason Date:6/4/2012

Filename: ...\MSTA\092_XSECT_30+50_011.dgn Division: HIGHWAY Username: jeason Date:6/4/2012

STATE OF MAINE
DEPARTMENT OF TRANSPORTATION

STP-1481(400)X

WIN
14814.00

HIGHWAY PLANS

SIGNATURE
4226
P.E. NUMBER
5/23/12
DATE

		BY	DATE
PROJ. MANAGER	ERNIE MARTIN		
DESIGN-DETAILED	MSM	MSM	5-12
CHECKED-REVIEWED	ALG		5-12
DESIGN2-DETAILED2			
DESIGN3-DETAILED3			
REVISIONS 1			
REVISIONS 2			
REVISIONS 3			
REVISIONS 4			
FIELD CHANGES			

BIDDEFORD
LINDALE AVENUE SOUTH

CROSS SECTIONS

SHEET NUMBER

92

OF 102

Sta. 30+50.00 to Sta. 30+75.00

Sta. 40+00.00 to Sta. 40+25.00

STATE OF MAINE
DEPARTMENT OF TRANSPORTATION

STP-1481(400)X

WIN
14814.00

HIGHWAY PLANS

		BY	DATE
PROJ. MANAGER	ERNIE MARTIN		
DESIGN-DETAILED	MSM	MSM	5-12
CHECKED-REVIEWED	ALG		5-12
DESIGN2-DETAILED2			
DESIGN3-DETAILED3			
REVISIONS 1			
REVISIONS 2			
REVISIONS 3			
REVISIONS 4			
FIELD CHANGES			

SIGNATURE

4226

P.E. NUMBER

5/23/12

DATE

BIDDEFORD
TRAVERS STREET

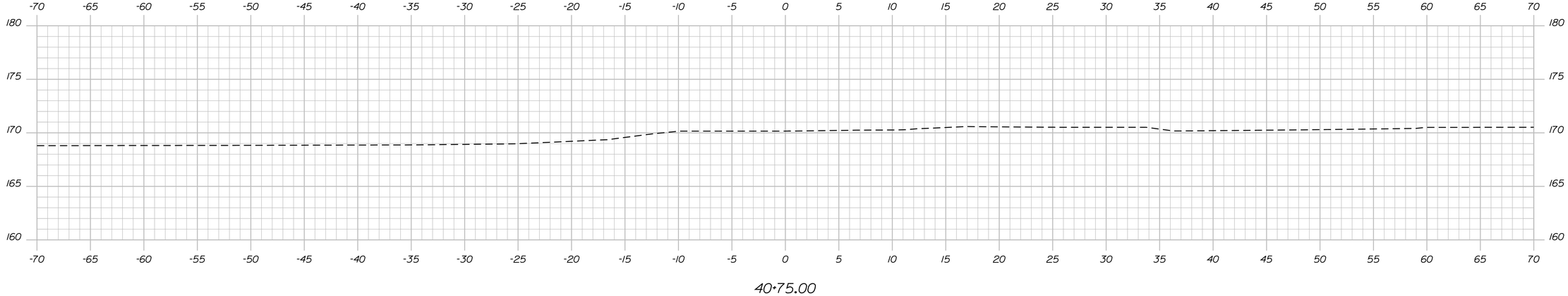
CROSS SECTIONS

SHEET NUMBER

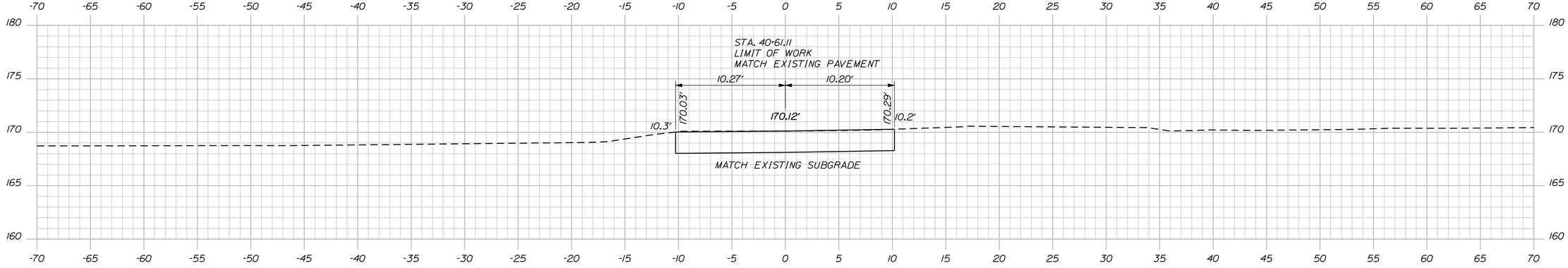
93

OF 102

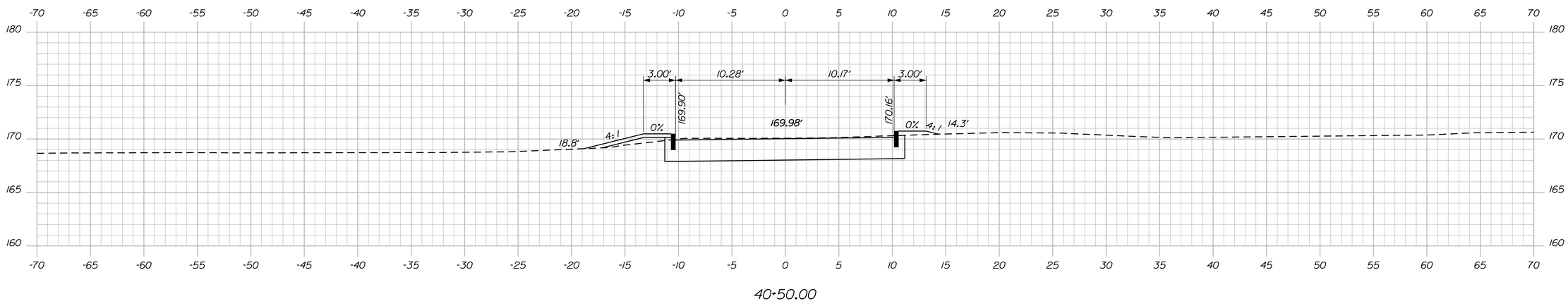
Filename: ...\MSTA\093_XSECT_40+00_013.dgn Division: HIGHWAY Username: jeason Date:6/4/2012



40+75.00



40+61.11



40+50.00

STATE OF MAINE
DEPARTMENT OF TRANSPORTATION

STP-1481(400)X

WIN
14814.00

HIGHWAY PLANS

SIGNATURE

4226
P.E. NUMBER

5/23/12
DATE

	BY	DATE
PROJ. MANAGER	ERNIE MARTIN	
DESIGN-DETAILED	MSM	5-12
CHECKED-REVIEWED	ALG	5-12
DESIGN2-DETAILED2		
DESIGN3-DETAILED3		
REVISIONS 1		
REVISIONS 2		
REVISIONS 3		
REVISIONS 4		
FIELD CHANGES		

BIDDEFORD
TRAVERS STREET

CROSS SECTIONS

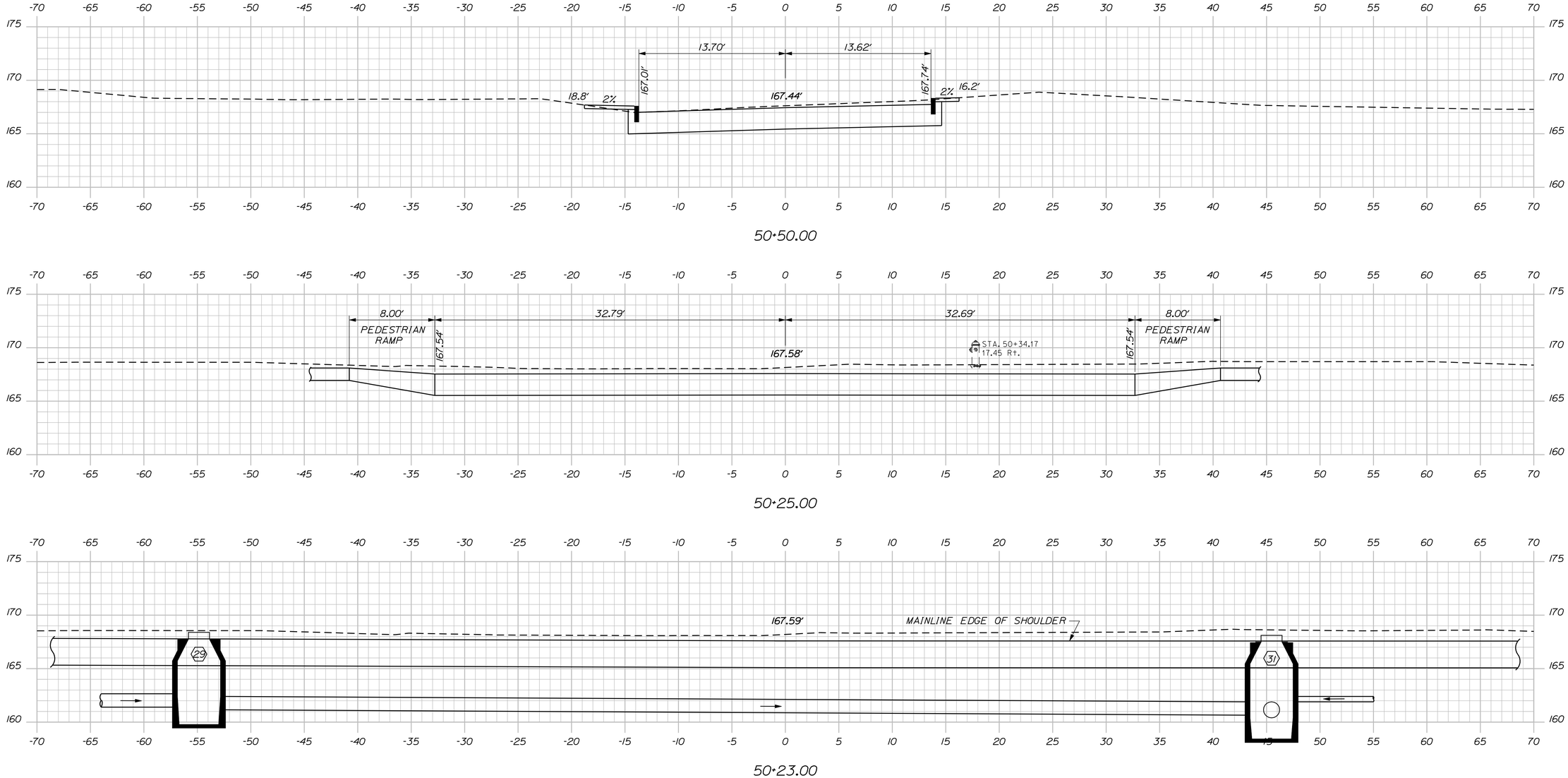
SHEET NUMBER

94

OF 102

Sta. 40+50.00 to Sta. 40+75.00

Filename: ...\MSTA\094_XSECT_40+50_014.dgn Division: HIGHWAY Username: jeason Date:6/4/2012



STATE OF MAINE
DEPARTMENT OF TRANSPORTATION

STP-1481(400)X

WIN 14814.00

HIGHWAY PLANS

PROJ. MANAGER	ERNIE MARTIN		
DESIGN-DETAILED	MSM	BY	DATE
CHECKED-REVIEWED	ALG	MSM	5-12
DESIGN2-DETAILED2		ALG	5-12
DESIGN3-DETAILED3			
REVISIONS 1			
REVISIONS 2			
REVISIONS 3			
REVISIONS 4			
FIELD CHANGES			

SIGNATURE

4226

P.E. NUMBER

5/23/12

DATE

BIDDEFORD
GRAYSON STREET

CROSS SECTIONS

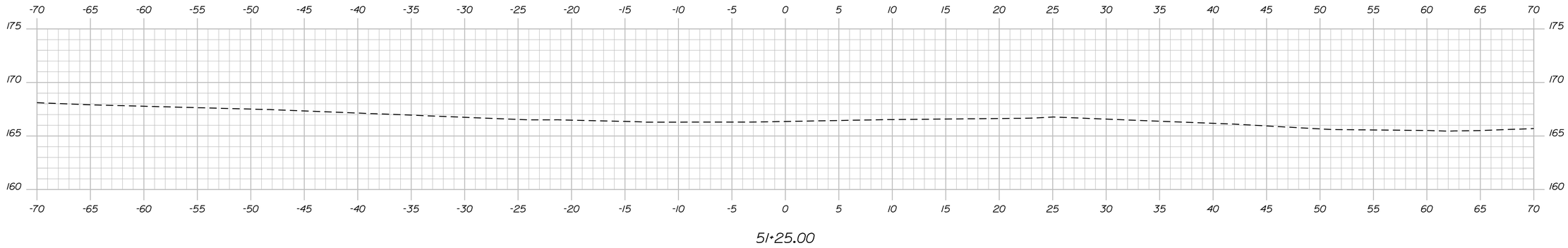
SHEET NUMBER

95

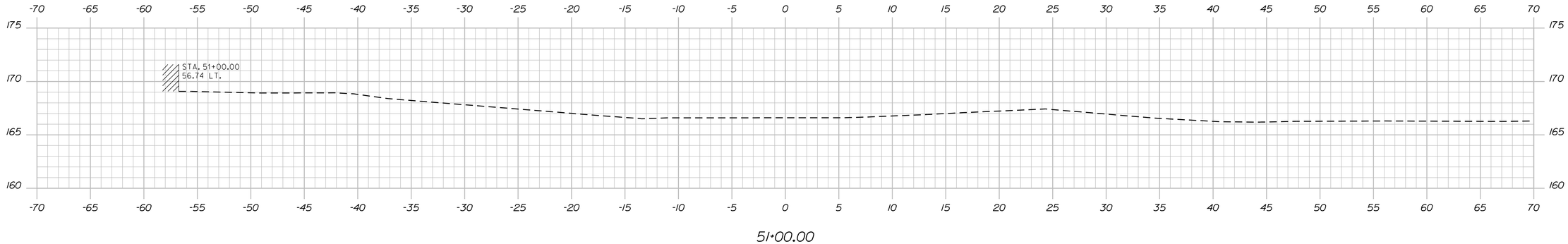
OF 102

Sta. 50+00.00 to Sta. 50+50.00

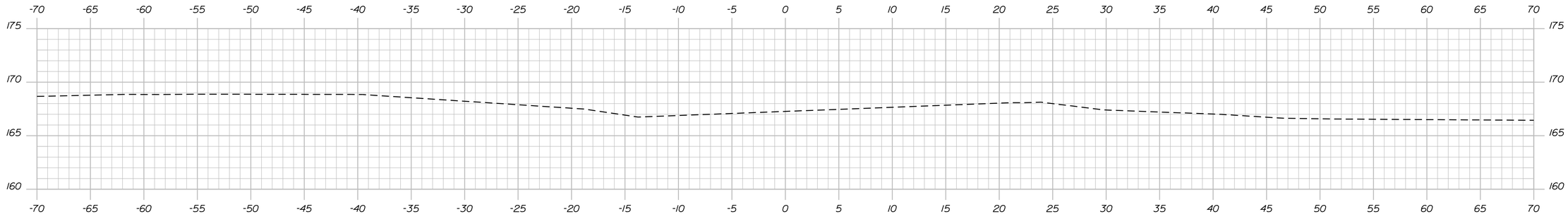
Filename: ...\MSTA\095_XSECT_50+00_016.dgn Division: HIGHWAY Username: jeason Date:6/4/2012



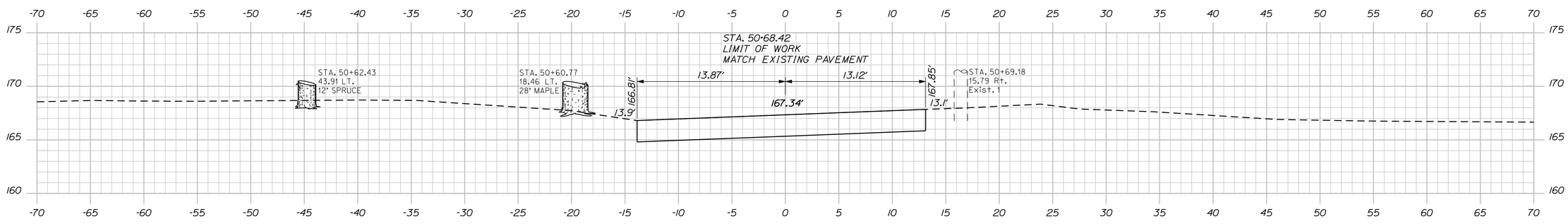
51+25.00



51+00.00



50+75.00



50+68.42

STATE OF MAINE
DEPARTMENT OF TRANSPORTATION

STP-1481(400)X

WIN
14814.00

HIGHWAY PLANS

PROJ. MANAGER	ERNIE MARTIN	BY	DATE
DESIGN-DETAILED	MSM	MSM	5-12
CHECKED-REVIEWED	ALG	ALG	5-12
DESIGN2-DETAILED2			
DESIGN3-DETAILED3			
REVISIONS 1			
REVISIONS 2			
REVISIONS 3			
REVISIONS 4			
FIELD CHANGES			

SIGNATURE
4226
P.E. NUMBER
5/23/12
DATE

BIDDEFORD
GRAYSON STREET

CROSS SECTIONS

SHEET NUMBER

96

OF 102

Sta. 50+68.42 to Sta. 51+25.00

Filename: ...\MSTA\096_XSECT_50+68_017.dgn Division: HIGHWAY Username: jeason Date:6/4/2012

Filename: ...\00\ROW\MSTA\001_RWPLAN1.dgn Username: terri.kelley Date:6/19/2012 Division: ROW

RICHARD H. PATE
PARCEL NO. (5)
LAND TAKEN = 175± S.F. (1)
TEMP. CONST. RIGHTS = 2320± S.F. (1)
TOTAL AREA = 2.0± AC. (CALC.)
REM. AREA = 2.0± AC.

PHILIP M. DESHAIES
CECILE B. DESHAIES
ITEM NO. (1)
TEMP. CONST. RIGHTS = 620± S.F. (1)
TOTAL AREA = 0.23± AC.

YVONNE M. GALLUCCI
TRUSTEE OF THE
YVONNE M. GALLUCCI
REVOCABLE TRUST
PARCEL NO. (3)
LAND TAKEN = 142± S.F. (1)
TEMP. CONST. RIGHTS = 985± S.F. (1)
TOTAL AREA = 9152± S.F. (CALC.)
REM. AREA = 9010± S.F.

FIRST MORTUARY ASSOCIATES
ITEM NO. (2)
DRAINGE EASE. = (2)
TEMP. CONST. RIGHTS = 1,145± S.F. (3)
TOTAL AREA = 3.6± AC. (CALC. & DEED)

ROW REFERENCE
YORK COUNTY BOOK 14 PAGE 313
1808 4 RODS WIDE

D.O.T. FILE NO. 16-240
Y.C.R.D. PLAN BOOK 139 PAGE 36

STATE HIGHWAY "1"
BEGIN B.L. 33+00
STA. 35+37.80 STATE HIGHWAY "1" =
STA 0+00.00 BEAUDOIN AVE.
END B.L. 1+00
BEAUDOIN AVE.
100.00'
S53°46'10.7"E
S34°50'16.9"W
372.84'
REMOVE CB
6" TYPE 'B' UD
18" TYPE 'C' UD
18" RCP
36" RCP
CB
CMP #1/2
POLE #98
INLET DRAINAGE STRUCTURE STA. 34+90 RT.
INLET DRAINAGE STRUCTURE STA. 34+75 RT.
6" X 6" UNDER PAVEMENT DROP INLET TYPE
DROP INLET TYPE
CIP TITCOMB ILLEGIBLE
CIP #2104: FLUSH
3/4" REBAR: FLUSH & LEANING SW
5/8" REBAR: 2" AG & LEANING
1/2" IP: 3" BG
1/2" IP: 1" BG
1/2" IP: FLUSH
1-1/2" IP: LEANING 18" AG
8" X 8" GRANITE W/DRILL HOLE
SIGNAL UNDER PAVEMENT
PAVED PARKING
PAVED ENTRANCE
PARTY CASTLES
BROKEN WHITE
DOUBLE YELLOW
NEW PAVEMENT JOINT
RIGHT LANE END
APPROX. LOC. OF NORTH END GRAVITY LINE
IRRIGATION CONTROL VALVES
PASSING ON RIGHT
HOPE MEMORIAL CHAPEL
AIR ISLAND
40' ROW TO OTHER
P.L.
LIMITS
CONST.
TEMP.
620± S.F.
985± S.F.
410±
2320± S.F.
395'±
427±
820± S.F.
200± S.F.
770'±
24'±
12'±
18'±
33'±
32'±
34+00
35+00
36+00
0+00
ROW REFERENCE
YORK COUNTY BOOK 14 PAGE 313
1808 4 RODS WIDE
D.O.T. FILE NO. 16-240
Y.C.R.D. PLAN BOOK 139 PAGE 36

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

PIN 14814.00

SYMBOLS
- ○ WELL
- IP or ●IPF (IRON PIPE or PIN FOUND)
- ST. (SEPTIC TANK)
- ▣ (ROW MONUMENT)
- ⚓BM (TRAVERSE POINT)
- GRADING LIMIT LINE
- CONSTRUCTION LIMIT LINE
- PROPERTY LINE PL
- LIMITS OF TAKE/RIGHT PORTION (LOT P.)
- EXISTING RIGHT OF WAY
- NEW RIGHT OF WAY
- NEW ROW WITHIN EXIST. ROW
- CONTROL OF ACCESS
- W WATER LINE
- G GAS LINE
- E ELECTRIC LINE
- T TELEPHONE LINE
- SEWER LINE

ITEM	TECH	CHECKED
BASE MAP		
EXIST. R/W	REG. 1	
PROP. LINES	T.J.K.	T.J.K.
AREAS	T.J.K.	T.L.B.

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

REVISIONS

NO.	DATE	DESCRIPTION	BY

PLAN FILED IN PLAN BOOK PAGE COUNTY RECORD

NO.	GRANTOR	INSTRUMENT	DATE	BOOK	PAGE
		COND.	5/1/12	16312	194

DAVID BERNHARDT
COMMISSIONER
KENNETH L. SWEENEY
CHIEF ENGINEER
DATE

STATE OF MAINE
CHRISTOPHER W. KNIGHT 2257
PROFESSIONAL LAND SURVEYOR

STATE HIGHWAY "1"
ELM STREET/ U.S. ROUTE 1
BIDDEFORD YORK COUNTY
FEDERAL AID PROJECT NO. STP-1481(400)X

DECEMBER 2011	RIGHT-OF-WAY MAP	D.O.T. FILE NO. 16-482
SCALE 1" = 25'	SHEET 1 OF 7	

SHEET NUMBER
97
OF 103

RICHARD H. PATE
PARCEL NO. (5)
LAND TAKEN = 175± S.F. (1)
TEMP. CONST. RIGHTS = 2320± S.F. (1)
TOTAL AREA = 2.0± AC. (CALC.)
REM. AREA = 2.0± AC.

RICHARD H. PATE
ITEM NO. (6)
TEMP. CONST. RIGHTS = 2285± S.F. (1)
TOTAL AREA = 2.5± AC. (CALC.)

RICHARD H. PATE
PARCEL NO. (7)
LAND TAKEN = 80± S.F.
TEMP. CONST. RIGHTS = 2150± S.F. (1)
TOTAL AREA = 26,400± S.F. (CALC.)
REM. AREA = 26,320± S.F.

RICHARD H. PATE
PARCEL NO. (9)
LAND TAKEN = 146± S.F. (1)
TEMP. CONST. RIGHTS = 3210± S.F. (1)
TOTAL AREA = 0.70± AC. (CITY)
REM. AREA = 0.70± AC.

PETER C. MOURMOURAS
ITEM NO. (12)
TEMP. CONST. RIGHTS = 1445± S.F. (1)
TOTAL AREA = 2.56± AC. (DEED)

H.A. MAPES, INC.
ITEM NO. (4)
TEMP. CONST. RIGHTS = 655± S.F. (1)
TOTAL AREA = 14,000± S.F. (CALC.)

FIRST MORTUARY ASSOCIATES
ITEM NO. (2)
DRAINGE EASE. = (2)
TEMP. CONST. RIGHTS = 1135± S.F. (3)
TOTAL AREA = 3.6± AC. (CALC.&DEED)

NATIONAL RETAIL PROPERTIES, LP
ITEM NO. (8)
TEMP. CONST. RIGHTS = 640± S.F. (2)
TOTAL AREA = 3.1± AC. (CALC.)

CASEY L. ADAMS
PARCEL NO. (10)
LAND TAKEN = 177± S.F. (1)
TEMP. CONST. RIGHTS = 215± S.F. (1)
TOTAL AREA = 13,200± S.F. (CALC.)
REM. AREA = 13,023± S.F.

HARVEY G. LAROCHELLE
RUTH V. LAROCHELLE
PARCEL NO. (11)
LAND TAKEN = 205± S.F. (1)
TEMP. CONST. RIGHTS = 570± S.F. (1)
TOTAL AREA = 11,400± S.F. (CALC.)
REM. AREA = 11,195± S.F.

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

ROW REFERENCE
YORK COUNTY BOOK 14 PAGE 313
1808 4 RODS WIDE

D.O.T. FILE NO. 16-240
Y.C.R.D. PLAN BOOK 139 PAGE 36

CURVE DATA
PI = 38+89.32
D = 0° - 11' - 27.5"
Δ = 0° - 38' - 09.2" Rt.
R = 30000.00'
L = 332.96'
T = 166.48'
E = 0.46'

STA. 40+12.40 STATE HIGHWAY "1"
STA. 10+00.00 WACO DRIVE
S35°28'26"W
332.95'

STA. 42+08.90 STATE HIGHWAY "1" =
STA. 20+00.00 LINDALE AVENUE NORTH
1467.10'

WACO DRIVE END B.L. 11+00
LINDALE AVENUE NORTH END B.L. 21+00
PT = STA. 40+55.79
PC = STA. 37+22.84

SYMBOLS
○MELL (MELL)
GRADING LIMIT LINE
CONSTRUCTION LIMIT LINE
PROPERTY LINE PL
IP or ●IPF (IRON PIPE or PIN FOUND)
ST. (SEPTIC TANK)
(ROW MONUMENT)
(TRAVERSE POINT)
LIMITS OF RIGHT-OF-WAY (LOW.P.)
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	REG. 1	
PROP. LINES	T.J.K.	
AREAS	T.J.K.	T.L.B.

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

PIN 14814.00

REVISIONS NO.	DATE	DESCRIPTION	BY

PLAN FILED IN PLAN BOOK NO.	GRANTOR	INSTRUMENT	DATE	BOOK	PAGE
		COND.	5/1/12	16312	194

DAVID BERNHARDT
COMMISSIONER
KENNETH L. SWEENEY
CHIEF ENGINEER
DATE

STATE OF MAINE · CHRISTOPHER W. KNIGHT 2257 · PROFESSIONAL LAND SURVEYOR

STATE HIGHWAY "1"
ELM STREET/ U.S. ROUTE 1
BIDDEFORD YORK COUNTY
FEDERAL AID PROJECT NO. STP-1481(400)X

DECEMBER 2011 | RIGHT-OF-WAY MAP | D.O.T. FILE NO. 16-482
SCALE 1"= 25' | SHEET 2 OF 7

SHEET NUMBER
98
OF 103

Filename: ...\00\row\mslo\002_RWPLAN2.dgn Division: ROW Username: terri.kelley Date:6/19/2012

Filename: ...\00\row\msto\003_RWPLAN3.dgn Username: terri.kelley Date:6/19/2012 Division: ROW

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

DIANE ROBERTS
ITEM NO. (14)
TEMP. CONST. RIGHTS = 1040± S.F. (1)
TOTAL AREA = 20,000± S.F. (DEED)

PETER C. MOURMOURAS
ITEM NO. (15)
TEMP. CONST. RIGHTS = 1255± S.F. (1)
TOTAL AREA = 1.4± AC. (CALC.)

MOUNIR F. SOLIMAN
ALICIA G-S. SOLIMAN
TRUSTEES UNDER MOUNIR F. SOLIMAN
LIVING TRUST
ALICIA G-S. SOLIMAN AND MOUNIR F. SOLIMAN
TRUSTEES UNDER
ALICIA G-S. SOLIMAN LIVING TRUST
ITEM NO. (17)
TEMP. CONST. RIGHTS = 1255± S.F.±
TOTAL AREA =21,000± S.F. (SURVEY)

RICHARD H. PATE
ITEM NO. (20)
TEMP. CONST. RIGHTS = 3950± S.F. (1)
TOTAL AREA = 12.7± AC.(CITY)

MICHAEL A. J. PREJEAN
PARCEL NO. (13)
LAND TAKEN = 92± S.F. (1)
TEMP. CONST. RIGHTS = 345± S.F. (3)
TOTAL AREA = 15,470± S.F. (SURVEY)
REM. AREA = 15,378± S.F.

ROW REFERENCE
YORK COUNTY BOOK 14 PAGE 313
1808 4 RODS WIDE

D.O.T. FILE NO. 16-240
Y.C.R.D. PLAN BOOK 139 PAGE 36

THOMAS G. SEVIGNY
KAREN L. SEVIGNY
PARCEL NO. (16)
LAND TAKEN = 124± S.F. (1)
TEMP. CONST. RIGHTS = 175± S.F. (1)
TOTAL AREA = 12,100± S.F. (CALC.)
REM. AREA = 11,976± S.F.

TIGHE-BEAUDOIN-FARLEY
POST NO. 26,
AMERICAN LEGION
ITEM NO. (18)
TEMP. CONST. RIGHTS = 255± S.F. (1)
TOTAL AREA = 10,890± S.F.(CALC.)

WILFRID J. PROVOST JR.
DAWNE L. PROVOST
PARCEL NO. (19)
LAND TAKEN = 122± S.F. (1)
TEMP. CONST. RIGHTS = 350± S.F. (1)
TOTAL AREA =11,410± S.F. (CALC.)
REM. AREA = 11,288± S.F.

JOSEPH ROGER G. CHARETTE
PRISCILLA A. CHARETTE
PARCEL NO. (21)
LAND TAKEN = 184± S.F. (1)
TEMP. CONST. RIGHTS = 1075± S.F. (1)
TOTAL AREA = 1.1± AC. (DEED)
REM. AREA = 1.1± AC.

RICHARD H. PATE
ITEM NO. (22)
DRAINAGE EASE. = 0.08± AC.(1)
TEMP. RIGHTS = 540± S.F. (1)
TOTAL AREA = 0.3± AC. (DEED)

DRAINAGE STRUCTURE
STA. 49+60 TO
STA. 49+99 RT.

CITY OF BIDDEFORD
ITEM NO. (24)
TEMP. CONST. RIGHTS =1.75± AC.
TOTAL AREA = 10.2± AC. (CITY)

1.75± AC.

PIN 14814.00

LINDALE AVENUE SOUTH B.L. STA 30+00.00=
S.H. "1" ELM STREET U.S. ROUTE 1 B.L. STA 44+81.90

TRAVERS STREET B.L. STA 40+00.00=
S.H. "1" ELM STREET U.S. ROUTE 1 B.L. STA 47+59.87

S 35°28'26" W 1467.10'

SYMBOLS
(WELL)
GRADING LIMIT LINE
CONSTRUCTION LIMIT LINE
PROPERTY LINE P.L.
LIMITS OF R.O.W. RIGHT PORTION (LOW P.)
EXISTING RIGHT OF WAY
NEW RIGHT OF WAY
NEW ROW WITHIN EXIST. ROW
CONTROL OF ACCESS
IP or ⊕ P/P (IRON PIPE or PIN FOUND)
S.T. (SEPTIC TANK)
(ROW MONUMENT)
(TRAVERSE POINT)
W WATER LINE
G GAS LINE
E ELECTRIC LINE
T TELEPHONE LINE
SEWER LINE

ITEM	TECH	CHECKED
BASE MAP		
EXIST. R/W	REG. 1	
PROP. LINES	T.J.K.	T.L.B.
AREAS	T.J.K.	

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

REVISIONS

NO.	DATE	DESCRIPTION	BY

PLAN FILED IN PLAN BOOK		PAGE	COUNTY RECORD		
NO.	GRANTOR	INSTRUMENT	DATE	BOOK	PAGE
		COND.	5/1/12	16312	194

DAVID BERNHARDT
COMMISSIONER
KENNETH L. SWEENEY
CHIEF ENGINEER
DATE

STATE OF MAINE · CHRISTOPHER W. KNIGHT 2257 · PROFESSIONAL LAND SURVEYOR

STATE HIGHWAY "1"
ELM STREET/ U.S. ROUTE 1
BIDDEFORD YORK COUNTY
FEDERAL AID PROJECT NO. STP-1481(400)X

DECEMBER 2011	RIGHT-OF-WAY MAP	D.O.T. FILE NO. 16-482
SCALE 1" = 25'	SHEET 3 OF 7	

SHEET NUMBER
99
OF 103

Usename: terri.kelley Date:6/19/2012

Division: ROW

Filename: ...\00\row\mst0\004_RWPLAN4.dgn

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

GRID 19XX ZONE

RICHARD H. PATE
ITEM NO. (20)
TEMP. CONST. RIGHTS =
3950± S.F. (1)
TOTAL AREA = 12.7± AC.(CITY)

TIMOTHY LACROIX
NANCY LACROIX
ITEM NO. (29)
TEMP. CONST. RIGHTS =
670± S.F. (1)
TOTAL AREA = 1.39± AC. (CALC.)

ROMAN CATHOLIC BISHOP OF PORTLAND
ITEM NO. (37)
TEMP. CONST. RIGHTS = 5535± S.F. (1)
TOTAL AREA =

RICHARD H. PATE
ITEM NO. (22)
DRAINAGE EASE. =
0.08± AC.(1)
TEMP. RIGHTS =
540± S.F. (1)
TOTAL AREA =
0.3± AC.
(DEED)

DRAINAGE STRUCTURE
STA. 49+60 TO
STA. 49+99 RT.

THOMAS PEASLEE
ITEM NO. (23)
TEMP. CONST. RIGHTS = 0.11± AC. (1)
TOTAL AREA =0.5± AC. (DEED)

STEVEN P. MASSE
SUSAN R. MASSE
TEM NO. (25)
TEMP. CONST. RIGHTS = 965± S.F. (1)
TOTAL AREA = 1.05± AC. (CALC.)

DALLAIRE'S MOTEL & COTTAGES, LLC
ITEM NO. (26)
TEMP. CONST. RIGHTS = 1085± S.F. (1)
TOTAL AREA = 3.05± AC. (CALC.)

GERARD DAUDIER
CECILE T. DAUDIER
ITEM NO. (27)
TEMP. CONST. RIGHTS
90± S.F. (1)
TOTAL AREA =
16,000± S.F. (CALC.)

CITY OF BIDDEFORD
ITEM NO. (24)
TEMP. CONST. RIGHTS = 1.75± AC.(1)
TOTAL AREA = 10.2± AC. (CITY.)

ROW REFERENCE
YORK COUNTY BOOK 14 PAGE 313
1808 4 RODS WIDE

D.O.T. FILE NO. 16-240
Y.C.R.D. PLAN BOOK 139 PAGE 36

HB-BIDD-20I, B-I

PC = STA. 55+22.89

S35°28'26"W 1467.10'

S35°28'26"W 353.19'

CURVE DATA

PI = 56+22.89
D = 0° - 11' - 27.5"
Δ = 0° - 40' - 28.3" Rt
R = 30000.00'
L = 353.19'
T = 176.56'
E = 0.52'

PIN 14814.00

SYMBOLS
- ○WELL (WELL)
- ---G--- GRADING LIMIT LINE
- CONSTRUCTION LIMIT LINE
- PL PROPERTY LINE
- LIMITS OF TYPE OF RIGHT-OF-PORTION (LOW P.)
- 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)
- ⌀DM (TRAVERSE POINT)
- W WATER LINE
- G GAS LINE
- E ELECTRIC LINE
- T TELEPHONE LINE
- SEWER LINE

ITEM	TECH	CHECKED
BASE MAP		T.L.B.
EXIST. R/W	REG. 1	
PROP. LINES	T.J.K.	
AREAS	T.J.K.	

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

REVISIONS			
NO.	DATE	DESCRIPTION	BY

PLAN FILED IN PLAN BOOK		PAGE	COUNTY RECORD			
NO.	GRANTOR		INSTRUMENT	DATE	BOOK	PAGE
			COND.	5/1/12	16312	194

DAVID BERNHARDT
COMMISSIONER
KENNETH L. SWEENEY
CHIEF ENGINEER
DATE

STATE OF MAINE
CHRISTOPHER W. KNIGHT 2257
PROFESSIONAL LAND SURVEYOR

STATE HIGHWAY "1"
ELM STREET/ U.S. ROUTE 1
BIDDEFORD YORK COUNTY
FEDERAL AID PROJECT NO. STP-1481(400)X

DECEMBER 2011	RIGHT-OF-WAY MAP	D.O.T. FILE NO. 16-482
SCALE 1" = 25'	SHEET 4 OF 7	

SHEET NUMBER
100
OF 103

Filename: ...\00\row\msto\005_RWPLAN5.dgn Division: ROW Username: terri.kelley Date:6/19/2012

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

ROMAN CATHOLIC BISHOP OF PORTLAND
ITEM NO. (37)
TEMP. CONST. RIGHTS = 5535± S.F. (1)
TOTAL AREA =

HALEY PROPERTIES, LLC
ITEM NO. (38)
TEMP. CONST. RIGHTS = 1760± S.F. (1)
TOTAL AREA = 32,390± S.F.(CALC.)

GAUDETTE PROPERTIES, LLC
PARCEL NO. (34)
LAND TAKEN = 98± S.F. (1)
TEMP. CONST. RIGHTS = 1510± S.F. (1)
TOTAL AREA =40,068± S.F. (CALC.)
REM. AREA = 39,970± S.F.

KAG INVESTMENTS LLC
ITEM NO. (32)
TEMP. CONST. RIGHTS = 1660± S.F. (1)
TOTAL AREA = 1.6± AC. (CITY)

GERARD DAUDIER
CECILE T. DAUDIER
ITEM NO. (27)
TEMP. CONST. RIGHTS = 90± S.F. (1)
TOTAL AREA = 16,000± S.F. (CALC.)

MININNI REALTY CORPORATION
ITEM NO. (28)
TEMP. CONST. RIGHTS = 280± S.F. (1)
TOTAL AREA = 3.1± AC. (CALC.)

NANCY L. MERROW
ITEM NO. (31)
TEMP. CONST. RIGHTS = 595± S.F. (1)
TOTAL AREA = 6,205± S.F. (DEED)

CITY OF BIDDEFORD
ITEM NO. (30)
TEMP. CONST. RIGHTS = 50± S.F. (1)
TOTAL AREA = 26,136± S.F. (CALC.)

CURVE DATA
PI = 56+22.89
D = 0° - 11' - 27.5"
Δ = 0° - 40' - 28.3" Rt.
R = 30000.00'
L = 353.19'
T = 176.56'
E = 0.52'

ROW REFERENCE
YORK COUNTY BOOK 14 PAGE 313
1808 4 RODS WIDE

D.O.T. FILE NO. 16-240
Y.C.R.D. PLAN BOOK 139 PAGE 36

SEE SURVEY PLAN FOR
CITY OF BIDDEFORD
BY DOW & COULOMBE, INC
DATED JUNE 3, 1996
AND REVISED
DEC. 4, 1996 FOR
JOHN J. NISSEN BAKING COMPANY

NOTE: SEE SHEET NO. 4 FOR ITEM (29)

BOUNDARY SURVEY PLAN
FOR SAMUAL M. ZAITLIN d.b.a.
CRYSTAL PACIFIC SEAFOODS, LLC
BIDDEFORD, MAINE
12/ 24/2003
SEBAGO TECHNICS
UNRECORDED

PLAN SHOWING A STANDARD BOUNDARY SURVEY
MADE FOR THE CITY OF BIDDEFORD
BIDDEFORD, MAINE
JUNE 3, 1996
DOW & COULOMBE INC.
UNRECORDED

PIN 14814.00

SYMBOLS
○WELL (WELL)
GRADING LIMIT LINE
CONSTRUCTION LIMIT LINE
PROPERTY LINE P.L.
LIMITS OF "RIGHT-OF-WAY" (ROW) EXISTING RIGHT OF WAY
NEW RIGHT OF WAY
NEW ROW WITHIN EXIST. ROW
CONTROL OF ACCESS
● I.P. or ■ P/P (IRON PIPE or PIN FOUND)
S.T. (SEPTIC TANK)
(ROW MONUMENT)
(TRAVERSE POINT)
W WATER LINE
G GAS LINE
E ELECTRIC LINE
T TELEPHONE LINE
SEWER LINE

ITEM	TECH	CHECKED
BASE MAP		T.L.B.
EXIST. R/W	REG. 1	T.J.K.
PROP. LINES	T.J.K.	T.J.K.
AREAS	T.J.K.	

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

REVISIONS			
NO.	DATE	DESCRIPTION	BY

PLAN FILED IN PLAN BOOK					
NO.	GRANTOR	INSTRUMENT	DATE	BOOK	PAGE
		COND.	5/1/12	16312	194

DAVID BERNHARDT
COMMISSIONER
KENNETH L. SWEENEY
CHIEF ENGINEER
DATE

STATE OF MAINE · CHRISTOPHER W. KNIGHT 2257 · PROFESSIONAL LAND SURVEYOR

STATE HIGHWAY "1"
ELM STREET/ U.S. ROUTE 1
BIDDEFORD YORK COUNTY
FEDERAL AID PROJECT NO. STP-1481(400)X

DECEMBER 2011	RIGHT-OF-WAY MAP	D.O.T. FILE NO. 16-482
SCALE 1" = 25'	SHEET 5 OF 7	

SHEET NUMBER
101
OF 103

Filename: ...\00\row\mnsto\006_RWPLAN6.dgn Division: ROW Username: terri.kelley Date:6/19/2012

JAMES A. MININNI &
ESTATE OF VITO M. MININNI JR.
ELIZABETH A. MININNI (PERSONAL REP.)
MICHAEL A. MININNI (PERSONAL REP.)
PARCEL NO. (35)
LAND TAKEN = 91± S.F.(1)
TEMP. CONST. RIGHTS = 1310± S.F. (1)
TOTAL AREA = 16,024± S.F. (CALC.)
REM. AREA =15,933± S.F.

RITA J. BARD
TRUSTEE OF THE RITA J. BARD
GRANTOR TRUST
ITEM NO. (39)
TEMP. CONST. RIGHTS = 300± S.F. (1)
TOTAL AREA =

GENEST CONCRETE WORKS, INC.
ITEM NO. (33)
TEMP. CONST. RIGHTS = 1195± S.F. (1)
TOTAL AREA = 0.70± AC. (CITY)

ELEANOR L. HANSON
HAROLD L. HANSON
ITEM NO. (36)
TEMP. CONST. RIGHTS = 1330± S.F. (1)
TOTAL AREA = 27,924± S.F. (CALC.)

FIVE POINTS HEIGHTS
BIDDEFORD, YORK COUNTY, MAINE
OWNED BY THE
A.F. HUTCHINSON LAND CO.
SEPTEMBER 27, 1920
ERNEST W. BRANCH CIVIL ENGINEER
Y.C.R.D. PLAN BOOK 8 PAGE 43

FIVE POINTS HEIGHTS
BIDDEFORD, YORK COUNTY MAINE
OWNED BY THE
A.F. HUTCHINSON LAND CO.
SEPTEMBER 27, 1920
ERNEST W. BRANCH CIVIL ENGINEER

PLAN SHOWING LAND SURVEYED FOR
VITO MININNI, INC.
BIDDEFORD, MAINE
MAY 11, 1981
DOW & COULOMBE INC.
UNRECORDED

ROW REFERENCE
YORK COUNTY BOOK 14 PAGE 313
1808 4 RODS WIDE

D.O.T. FILE NO. 16-240
Y.C.R.D. PLAN BOOK 139 PAGE 36

NOTE: SEE SHEET NOS. 4 & 5 FOR ITEM (37)
SEE SHEET NO. 5 FOR ITEMS (34 & 38)

GRAYSON STREET
FOGG STREET (PAPER STREET)
FICKETT STREET (PAPER STREET)
BRIGHAM STREET (PAPER STREET)
BIDDEFORD CONNECTOR
BROKEN WHITE
POE = STA. 67+62.08
END B.L. 67+00
END B.L. 51+00
67+62
66+00
65+00
64+00
50+00
823.92' S36°8'54.5"W
CONST. 1310± S.F.
TEMP. 910± S.F.
CONST. 1195± S.F.
TEMP. 1330± S.F.
LIMITS 300± S.F.
6" TYPE 'B' UD
CB23
POLE #122
POLE #122/567
POLE #121
EXIST. 30"
(SMALL PAVED AREA) (2 BRICK PILLARS) - APPROX. LOC.
GRAVEL YARD
PAVED ENTRANCE
PAVED PARKING
PAVED SW.
DROP INLET TYPE
RR SPIKE: FLUSH
5/8"I REBAR: 3" BG
LAWN MULCHED FLOWERBED
CHAINLINK FENCE
GENEST
PIN 14814.00

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

SYMBOLS
- ● IP or ● PIPE (IRON PIPE or PIN FOUND)
- ST. (SEPTIC TANK)
- (ROW MONUMENT)
- (TRAVERSE POINT)
- ○WELL (WELL)
- GRADING LIMIT LINE
- CONSTRUCTION LIMIT LINE
- PROPERTY LINE
- LIMITS OF "RIGHT-PORTION (LOW-P.)
- 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	REG. 1	
PROP. LINES	T.J.K.	
AREAS	T.J.K.	T.L.B.

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

REVISIONS

NO.	DATE	DESCRIPTION	BY

PLAN NO.	FILED IN PLAN BOOK GRANTOR	PAGE INSTRUMENT	COUNTY RECORD DATE	BOOK	PAGE
		COND.	5/1/12	16312	194

DAVID BERNHARDT
COMMISSIONER
KENNETH L. SWEENEY
CHIEF ENGINEER
DATE

STATE OF MAINE · CHRISTOPHER W. KNIGHT 2257 · PROFESSIONAL LAND SURVEYOR

STATE HIGHWAY "1"
ELM STREET/ U.S. ROUTE 1
BIDDEFORD YORK COUNTY
FEDERAL AID PROJECT NO. STP-1481(400)X

DECEMBER 2011 | RIGHT-OF-WAY MAP | D.O.T. FILE NO. 16-482
SCALE 1"= 25' | SHEET 6 OF 7

SHEET NUMBER
102
OF 103

Filename: ...\00\row\msto\007_RWPLAN7.dgn Username: terri.kelley Date:6/19/2012 Division: ROW

THOMAS PEASLEE
ITEM NO. (23)
TEMP. CONST. RIGHTS = 0.11± AC. (1)
TOTAL AREA =0.5± AC. (DEED)

RICHARD H. PATE
ITEM NO. (22)
DRAINAGE EASE. = 0.08± AC.(1)
TEMP. RIGHTS = 540± S.F. (1)
TOTAL AREA = 0.3± AC. (DEED)

DRAINAGE STRUCTURE
STA. 49+67 RT.
STA. 49+99 RT.

CITY OF BIDDEFORD
ITEM NO. (24)
TEMP. CONST. RIGHTS = 1.75± AC.(1)
TOTAL AREA = 10.2± AC. (CITY.)

ROW REFERENCE
YORK COUNTY BOOK 14 PAGE 313
1808 4 RODS WIDE

D.O.T. FILE NO. 16-240
Y.C.R.D. PLAN BOOK 139 PAGE 36

MAINE 200ft. REST. ZONE

HB-B1DD-201, B-1
HB-B1DD-202, B-2
HB-B1DD-203, B-3
HB-B1DD-204, B-4
HB-B1DD-205, B-5
HB-B1DD-206, B-6

TEMP. CONST LIMITS

TEMP. CONST. LIMITS

TEMP. CONST. LIMITS

TEMP. CONST.