Allied Engineering
Structural Mechanical Electrical Commissioning

LETTER OF TRANSMITTAL

To: **Jeff Coffin**
60 Bucksport Road

Address: **Ellsworth, ME 04605**

Date: October 28, 2011

Sent Via:

☐ Courier ☐ FedEx
☐ Picked Up ☐ UPS
☐ Delivered ☒ Mail

AEI Project #: 07-010

Project Name: Acadia Gateway

☒ SHOPS ☐ PLANS/SPECS ☐ PRINTS ☐ QUALS PKG ☐ REPORT ☐ OTHER

☒ For Review ☐ Please Comment ☐ Please Reply

COPIES	AEI SUBMTL #	DESCRIPTION
1 Set	291	Civil As-Builts
		PLEASE REVIEW AND RETURN TO ALLIED ENGINEERING

COPY: (1) File

SIGNED: William P. Faucher, P.E.

160 Veranda Street
Portland, ME 04103

T 207.221.2260
F 207.221.2266
Web: www.allied-eng.com

NICKERSON & O'DAY, INC.
CONSTRUCTORS

MAILING ADDRESS:
P. O. Box 911
Bangor, ME 04402-0911

TELEPHONE: 207-989-7400
FAX: 207-989-7548

LETTER OF TRANSMITTAL/SUBMITTAL FAX

TO: James Hodsdon
Allied Engineering

RECEIVED
OCT 28 2011
ALLIED ENGINEERING, INC.

DATE: 10/27/2011	JOB NO.: 2009-51
SUBJECT: Acadia Gateway Facility Pin # 16123.50	
SUBMITTAL #: 01-05	
SUB/SUPPLIER:	

WE ARE SENDING YOU:

☑ Attached ☐ Under Separate Cover via _____

☐ Shop Drawings ☐ Prints ☐ Plans ☐ Samples ☐ Specifications

☐ Copy of Letter ☐ Change Order ☑ Submittal

COPIES	SPEC #	DESCRIPTION	ACTION
1	017700	Electrical As-Builts	
1	017700	Civil As-Builts	
1	017700	Structural As-Builts	
1	017700	Architectural As-Builts	

THESE ARE TRANSMITTED AS CHECKED BELOW:

☑ For Approval ☐ Resubmit _____ Copies For Approval
☐ For Your Use ☐ Submit _____ Copies For Distribution
☐ As Requested ☐ Return _____ Corrected Prints
☐ For Review & Comment

ACTION CODE:

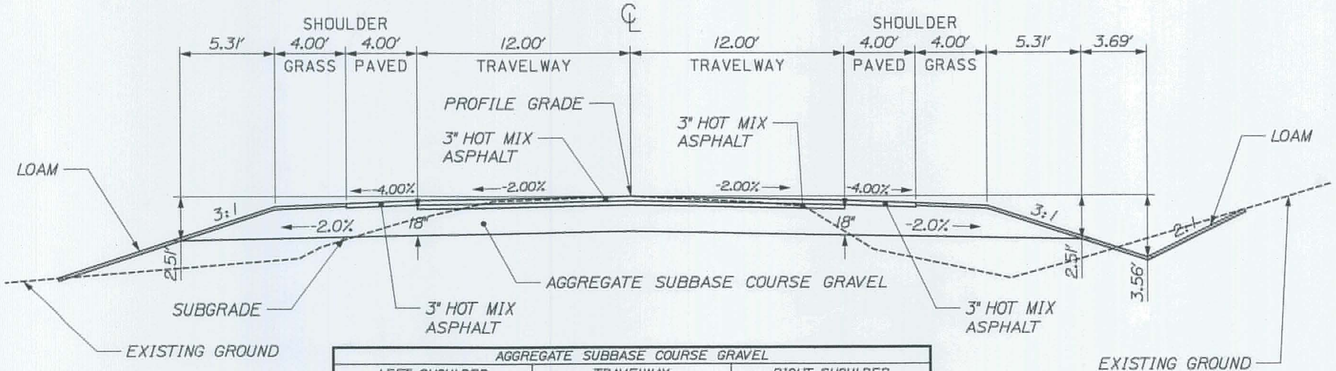
1 Approved as Submitted
2 Approved As Noted
3 Returned For Corrections
4 Revise & Resubmit
5 Other _____

REMARKS: Nickerson & O'Day has read and submits for approval

COPY TO: File

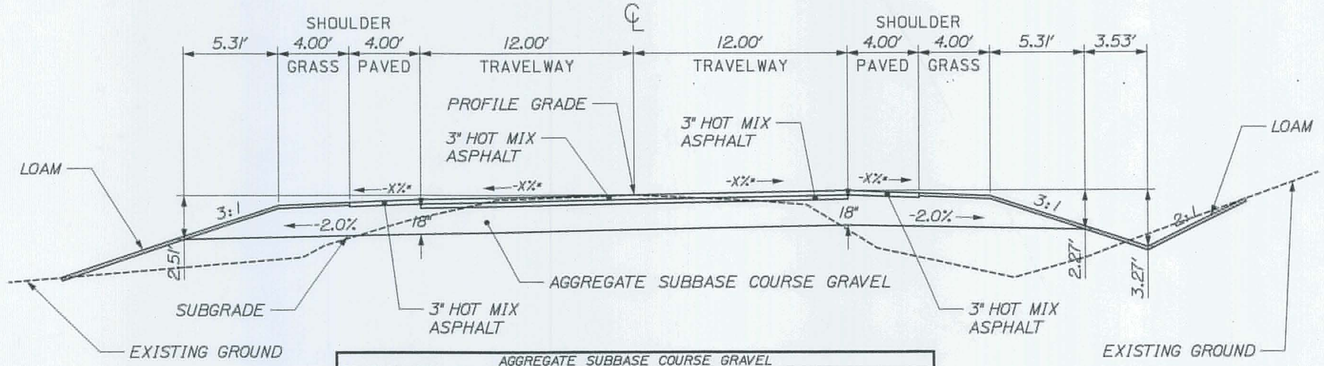
SIGNED: *Tina Kilduff*

ACADIA GATEWAY CENTER
6 IN HOT MIX ASPHALT PAVEMENT
FULL DEPTH GRAVEL - NORMAL SECTION



AGGREGATE SUBBASE COURSE GRAVEL		
LEFT SHOULDER 67.00 CY/100 LF	TRAVELWAY 133.33 CY/100 LF	RIGHT SHOULDER 67.00 CY/100 LF
STATION TO STATION	STATION TO STATION	STATION TO STATION
11+00 TO 12+50 LT.	11+00 TO 12+50	11+00 TO 12+50 RT.
20+00 TO 24+50 LT.	20+00 TO 24+50	20+00 TO 24+50 RT.
34+00 TO 35+50 LT.	34+00 TO 35+50	34+00 TO 35+50 RT.
43+50 TO 44+84 LT.	43+50 TO 44+84	43+50 TO 44+84 RT.

ACADIA GATEWAY CENTER
6 IN HOT MIX ASPHALT PAVEMENT
FULL DEPTH GRAVEL - SUPERELEVATION SECTION



AGGREGATE SUBBASE COURSE GRAVEL		
LOW SIDE SUPERELEVATED SHOULDER 67.00 CY/100 LF	TRAVELWAY 133.33 CY/100LF	HIGH SIDE SUPERELEVATED SHOULDER 67.00 CY/100 LF
STATION TO STATION	STATION TO STATION	STATION TO STATION
12+50 TO 20+00 LT.	12+50 TO 20+00	12+50 TO 20+00 RT.
24+50 TO 34+00 LT.	24+50 TO 34+00	24+50 TO 34+00 RT.
35+50 TO 43+50 LT.	35+50 TO 43+50	35+50 TO 43+50 RT.

*NOTE: SEE SUPERELEVATION TABLE FOR SLOPES

PLAN LEGEND

Town, County, State
Property Lines
R/W Lines-Existing
R/W Lines-Proposed
Culvert-Existing
Culvert Proposed
Curbing — Existing — Proposed
Type 1
Type 3&4
Type 5
Outline of Bodies of Water
Ledge
Buildings
Trees — Conifer — Deciduous
Tree Line
Clearing Limit Line — CL
Centerline-Existing
Centerline-Proposed
Travelway-Existing
Travelway-Proposed
Railroad
Catch Basins Existing ■ Proposed
Manholes Existing ● Proposed
Proposed Underdrain
Proposed Ditch
Existing Ditch
Utility Poles Existing ♦ Proposed
Fire Hydrants Existing ♦ Proposed
Existing Water Line
Existing San. Sewer
Existing San. Sewer Manhole
Guardrail-Existing
Guardrail-Proposed
Guardrail-Cable, Other

NOTE:

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

2. WHEN SUPERELEVATION EXCEEDS THE SLOPE OF THE LOW SIDE SHOULDER, THE LOW SIDE SHOULDER SHALL HAVE THE SAME SLOPE AS THE TRAVELWAY.

3. CROWNS FOR BOTH NORMAL AND SUPERELEVATION SECTIONS FOR ALL COURSES OF SUBBASE AND PAVEMENT SHALL BE STRAIGHT.

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

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

6. THE STATIONING SHOWN UNDER EACH TYPICAL IS APPROXIMATE.

SUPERELEVATION TABLE

LT. SHOULDER	LT. TRAVELWAY	STATION	RT. TRAVELWAY	RT. SHOULDER
		START		
-4.0	-2.0	11+00	-2.0	-4.0
		TO		
-4.0	-2.0	12+50	-2.0	-4.0
-4.0	-2.0	13+00	-0.1	-4.0
-4.0	-2.0	13+50	0.9	-4.0
-4.0	-2.0	14+00	1.9	-4.0
-4.0	-2.9	14+50	2.8	-4.0
-4.0	-3.8	15+00	3.8	-4.0
		TO		
-4.0	-3.8	17+00	3.8	-4.0
-4.0	-2.9	17+50	2.8	-4.0
-4.0	-2.0	18+00	1.9	-4.0
-4.0	-2.0	18+50	0.9	-4.0
-4.0	-2.0	19+00	-0.1	-4.0
-4.0	-2.0	19+50	-1.0	-4.0
-4.0	-2.0	20+00	-2.0	-4.0
		TO		
-4.0	-2.0	24+50	-2.0	-4.0
-4.0	-2.0	25+00	-0.9	-4.0
-4.0	-2.0	25+50	0.2	-4.0
-4.0	-2.0	26+00	1.3	-4.0
-4.0	-2.5	26+50	2.4	-4.0
-4.0	-3.5	27+00	3.5	-4.0
-4.0	-3.5	27+50	3.5	-4.0
-4.0	-2.5	28+00	2.4	-4.0
-4.0	-2.0	28+50	1.3	-4.0
-4.0	-2.0	29+00	0.2	-4.0
-4.0	-2.0	29+50	-0.9	-4.0
-4.0	-2.0	30+00	-2.0	-4.0
-4.0	-1.5	30+50	-2.0	-4.0
-4.0	-1.0	31+00	-2.0	-4.0
-4.0	-0.5	31+50	-2.0	-4.0
-4.0	0.0	32+00	-2.0	-4.0
-4.0	0.5	32+50	-2.0	-4.0
-4.0	1.0	33+00	-2.0	-4.0
-4.0	1.5	33+50	-2.0	-4.0
-4.0	2.0	34+00	-2.0	-4.0
		TO		
-4.0	2.0	35+50	-2.0	-4.0
-4.0	0.6	36+00	-0.6	-4.0
-4.0	-0.9	36+50	0.9	-4.0
-4.0	-2.4	37+00	2.4	-4.0
-4.0	-2.8	37+15.28	2.8	-4.0
		TO		
-4.0	-2.8	38+11.27	2.8	-4.0
-4.0	-2.3	38+50	2.3	-4.0
-4.0	-1.5	39+00	1.5	-4.0
-4.0	-0.8	39+50	0.8	-4.0
-4.0	-0.1	40+00	0.1	-4.0
-4.0	0.6	40+50	-0.6	-4.0
-4.0	1.3	41+00	-1.3	-4.0
-4.0	2.0	41+50	-2.0	-4.0
-4.0	1.36	42+00	-2.0	-4.0
-4.0	0.2	42+50	-2.0	-4.0
-4.0	-0.9	43+00	-2.0	-4.0
-4.0	-2.0	43+50	-2.0	-4.0
		TO		
-4.0	-2.0	44+84	-2.0	-4.0

NOT TO SCALE

STATE OF MAINE
DEPARTMENT OF TRANSPORTATION

PIN 16123.50 HIGHWAY PLANS

	BY	DATE
PROJ. MANAGER	J. KITTREDGE	
DESIGN-DETAILED	J. COFFIN	
CHECKED-REVIEWED		
DESIGN2-DETAILED2		
DESIGN3-DETAILED3		
REVISIONS 1	60% REVIEW - JAN 2009	01-08-09
REVISIONS 2	90% REVIEW - FEB 2009	02-12-09
REVISIONS 3	ISSUED FOR BID	05-28-09
REVISIONS 4		
FIELD CHANGES		

SIGNATURE

P.E. NUMBER

DATE

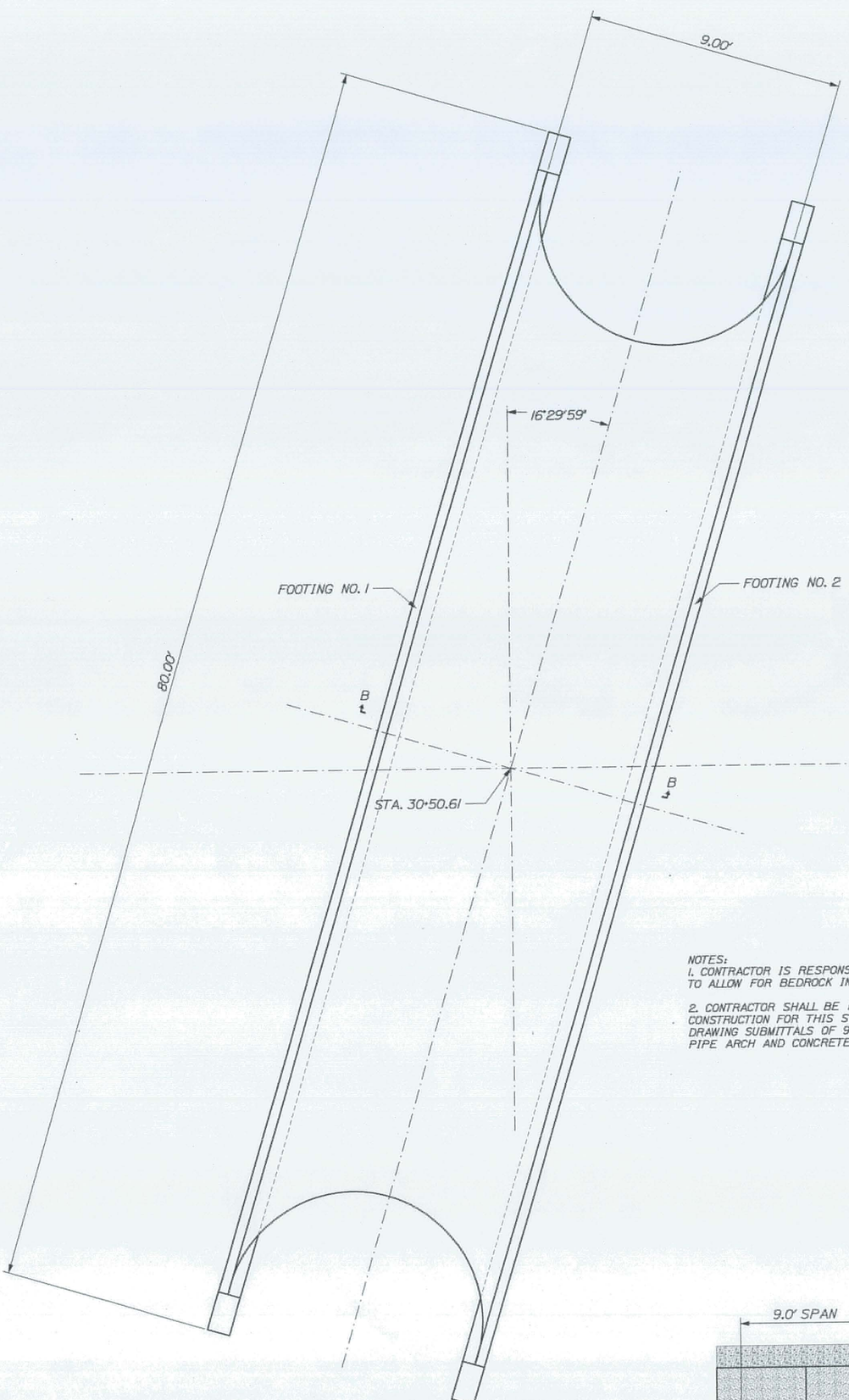
ACADIA GATEWAY FACILITY
BUS MAINTENANCE FACILITY

TYPICAL SECTIONS

CIVIL AS-BUILT

SHEET NUMBER
C-1
OF 63

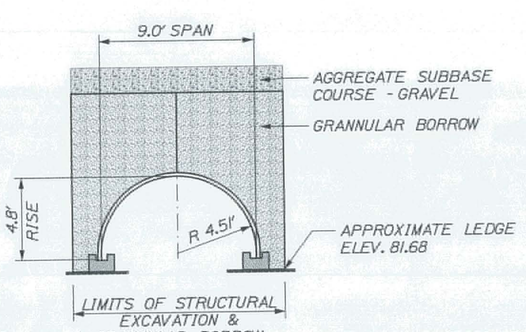
Filename: ...\001_Typical_gateway center.dgn Division: HIGHWAY Username: Jeffrey.Veilleux Date:9/10/2009



PIPE PLAN

NOTES:
1. CONTRACTOR IS RESPONSIBLE FOR VERIFYING ALL SUBSURFACE SOILS TO ALLOW FOR BEDROCK INSTALLATION OF CONCRETE FOOTINGS.

2. CONTRACTOR SHALL BE RESPONSIBLE FOR ALL PHASES OF DESIGN AND CONSTRUCTION FOR THIS STRUCTURE, INCLUDING BUT NOT LIMITED TO: DRAWING SUBMITTALS OF 9.0' SPAN x 4.8' RISE ALUMINUM STRUCTURAL PLATE PIPE ARCH AND CONCRETE FOOTINGS.



SECTION B-B

SHEET NUMBER C-2 OF 63

ACADIA GATEWAY FACILITY
BUS MAINTENANCE FACILITY

PIPE ARCH DETAILS

PROJ. MANAGER	J. KITTREDGE	BY	DATE
DESIGN-DETAILED	J. COFFIN	J. COFFIN	
CHECKED-REVIEWED			
DESIGN2-DETAILED2			
DESIGN3-DETAILED3			
REVISIONS 1	60% REVIEW - JAN 2009		01-08-09
REVISIONS 2	90% REVIEW - FEB 2009		02-12-09
REVISIONS 3	ISSUED FOR BID		05-28-09
REVISIONS 4			
FIELD CHANGES			

SIGNATURE

P.E. NUMBER

DATE

STATE OF MAINE
DEPARTMENT OF TRANSPORTATION

PIN 16123.50 HIGHWAY PLANS

COMMON EXCAVATION FOR ESTIMATE

COMMON EXCAVATION (FROM CROSS SECTIONS)	16.500	
EARTH FROM DRIVES, OLD ROAD, ETC.	0	
GRUBBING IN FILL	6.210	
LOAM SALVAGE IN FILL	0	
UNDERCUT	0	
MUCK EXCAVATION	0	
CULVERT INLET AND OUTLET DITCHES	0	
PAVEMENT SALVAGE IN FILL	0	
TOTAL COMMON EXCAVATION		22.710

FILL FOR BORROW CALCULATIONS

COMMON FILL (FROM CROSS SECTIONS)	11.710	
FILL FOR DRIVES	0	
GRUBBING IN FILL	6.210	
LOAM SALVAGE IN FILL	0	
UNDERCUT	0	
MUCK EXCAVATION	0	
PAVEMENT SALVAGE IN FILL	0	
TOTAL FILL		17.920

ROCK EXCAVATION FOR ESTIMATE

ROCK EXCAVATION (FROM CROSS SECTIONS)	150	
ROCK EXCAVATION (BOULDERS)	0	
TOTAL ROCK EXCAVATION		150

UNCLASSIFIED EXCAVATION FOR ESTIMATE

TOTAL UNCLASSIFIED EXCAVATION		0

AVAILABLE COMMON EXCAVATION FOR BORROW CALCULATIONS

(1) TOTAL COMMON EXCAVATION			22.710
DEDUCTIONS:			
GRUBBING IN CUT	6.630		
GRUBBING IN FILL	6.210		
LOAM SALVAGE IN CUT	0		
LOAM SALVAGE IN FILL	0		
UNDERCUT	0		
MUCK EXCAVATION	0		
PAVEMENT SALVAGE (CUT & FILL)	0		
(2) TOTAL DEDUCTIONS			12.840
TOTAL AVAILABLE COMMON EXCAVATION (1) MINUS (2)			9.870
TOTAL AVAILABLE STRUCT. EXCAVATIONS (USUALLY UNDERDRAIN ONLY)			70
TOTAL AVAILABLE NON-ROCK EXCAVATION			9.940

COMPUTATION OF WASTE STORAGE & WASTE MATERIAL

TOTAL AVAIL. WASTE STORAGE AREA (FROM CROSS SECTIONS)		0
GRUBBING IN CUT	6.630	
GRUBBING IN FILL	6.210	
UNDERCUT	0	
MUCK EXCAVATION	0	
TOTAL WASTE MATERIAL TO BE UTILIZED (LOWER OF TOTAL AVAILABLE WASTE STORAGE AREA OR TOTAL WASTE MATERIAL)		12.840
TOTAL WASTE MATERIAL TO BE WASTED (TOTAL WASTE MATERIAL MINUS TOTAL WASTE MATERIAL TO BE UTILIZED)		12.840

COMPUTATION FOR COMMON BORROW FOR ESTIMATE

(3)TOTAL FILL			17.920
TOTAL AVAIL. NON-ROCK EXCAV.	9.940x 0.85 =	8.449	
TOTAL AVAIL. ROCK EXCAV.	150x 1.33 =	200	
TOTAL AVAIL. STR. ROCK EXCAV.	100x 1.33 =	133	
TOTAL WASTE MATERIAL TO BE UTILI	0x 1.00 =	0	
(4)TOTAL AVAILABLE EXCAVATION		=	8.782
BORROW NEEDED = TOTAL FILL MINUS TOTAL AVAILABLE EXC			9.139

SEE SCHEDULE OF ITEMS IN THE CONTRACT PROPOSAL BOOK FOR BID ITEMS AND QUANTITIES

STATE OF MAINE
DEPARTMENT OF TRANSPORTATION

PIN
16123.50

HIGHWAY PLANS

	BY	DATE
PROJ. MANAGER	J. KITTREDGE	
DESIGN-DETAILED	J. COFFIN	SIGNATURE
CHECKED-REVIEWED	-----	-----
DESIGN-DETAILED2	-----	-----
DESIGN-DETAILED3	-----	-----
REVISIONS 1	SGZ REVIEW	JAN 2009 01-08-09
REVISIONS 2	SGZ REVIEW	FEB 2009 02-12-09
REVISIONS 3	ISSUED FOR BID	05-28-09
REVISIONS 4	-----	-----
FIELD CHANGES	-----	-----

P.E. NUMBER

DATE

ACADIA GATEWAY FACILITY
BUS MAINTENANCE FACILITY

EARTHWORK SUMMARY

SHEET NUMBER
C-3A
OF 63

Filename: ...\003A_Estimate_Gateway_Center.dgn Division: HIGHWAY Username: Jeffrey.Veilleux Date:10/6/2009

Filename: ...\003_Estimate_Gateway_Center.dgn Division: HIGHWAY Username: Jeffrey.Veilleux Date:9/10/2009

ESTIMATED QUANTITIES

ITEM NO.	DESCRIPTION	QUANTITY	UNIT
201.11	CLEARING	11	AC
203.2001	COMMON EXCAVATION - PLAN QUANTITY	22710	CY
203.21	ROCK EXCAVATION	150	CY
203.24	COMMON BORROW	9140	CY
206.07	STR ROCK EXC - DR & MINOR STR	100	CY
304.104	AGGR SUBB CRS - GRAVEL (PLAN QTY.)	13100	CY
403.207	HOT MIX ASPHALT 19.0 MM HMA	2710	T
403.210	HOT MIX ASPHALT 9.5 MM HMA	1130	T
403.213	HOT MIX ASPHALT 12.5 MM HMA BASE	1580	T
409.15	BITUMINOUS TACK COAT APPLIED	820	G
509.20	ALUM ALLOY STR PLT ARCH	1	LS
603.15	12" CULV PIPE OPTION I	40	LF
603.159	12" CULV PIPE OPTION III	70	LF
603.179	18" CULV PIPE OPTION III	280	LF
604.248	CATCH BASIN TYPE F6	1	EA
604.252	CATCH BASIN TYPE A5-C	1	EA
605.09	6" UNDERDRAIN TYPE B	200	LF
606.353	GR DELINEATOR POST	3	EA
609.11	VERT CURB TYPE I	1560	LF
609.12	VERT CURB TYPE I- CIRCULAR	430	LF
609.234	TERMINAL CURB TYPE I - 4 FOOT	4	EA
609.50	CONCRETE BASE FOR CURBING	1990	LF
610.08	PLAIN RIPRAP	40	CY
610.46	STONE BERMED LEVEL LIP SPREADER	380	CY
613.319	EROSION CONTROL BLANKET	1580	SY
615.07	LOAM	950	CY
618.1401	SEEDING METHOD NUMBER 2 - PLAN QUANTITY	160	UN
618.143	SPECIAL SEED MIX:	20	UN
619.1201	MULCH - PLAN QUANTITY	160	UN
620.58	NON WOVEN GEOTEXTILE	830	SY
621.01	EVERGREEN TR (8'-12')	450	EA
621.025	EVERGREEN TR (3'-4') GP A	12	EA
621.026	EVERGREEN TR (3'-4') GP B	45	EA
621.038	EVERGREEN TR (5'-6') GP B	15	EA
621.043	EVERGREEN TR (6'-8') GP A	18	EA
621.044	EVERGREEN TR (6'-8') GP B	27	EA
621.126	SM DECID TR (6'-8') GP A	27	EA
621.128	SM DECID TR (6'-8') GP C	4	EA
621.18	MD DECID TR (6'-8') GP C	6	EA
621.196	MD DECID TR (1.75"-2"CAL) GP B	12	EA
621.201	MD DECID TR (2"-2.50"CAL) GP A	7	EA
621.203	MD DECID TR (2"-2.50"CAL) GP C	5	EA
621.267	LG DECID TR (1.75"-2" CAL) GP A	11	EA
621.269	LG DECID TR (1.75"-2" CAL) GP C	6	EA
621.273	LG DECID TR (2"-2.50" CAL) GP A	13	EA
621.389	DWF EVERGREENS (15"-18") GP A	178	EA
621.5312	DECIDUOUS SHRUBS (10" - 12")GROUP A	180	EA
621.54	DECID SHRUBS (18"-24") GP A	467	EA
621.541	DECID SHRUBS (18"-24") GP B	66	EA
621.546	DECID SHRUBS (2'-3') GP A	76	EA
621.547	DECID SHRUBS (2'-3') GP B	137	EA
621.553	DECID SHRUBS (3'-4') GP B	62	EA
621.710	WOODY PERENNIALS GP A 1 gal.	72	EA
621.711	HERBACEOUS PERENNIALS GP B	72	EA
621.80	ESTABLISHMENT PERIOD	1	LS
627.75	WHITE OR YELLOW PVMT AND CURB MARK	2500	SF
629.05	HAND LABOR, STRAIGHT TIME	30	HR
631.12	ALL-PURPOSE EXC (INC OPERATOR)	20	HR
631.172	TRUCK-LARGE (INC OPERATOR)	40	HR
656.75	TEMP. SOIL EROS. AND WATER POLL. CONTROL	1	LS
659.10	MOBILIZATION	1	LS
801.093	2½" SEWER FORCE MAIN	1350	LF

1

COMMON EXCAVATION FOR ESTIMATE

COMMON EXCAVATION (FROM CROSS SECTIONS)	16,500	
EARTH FROM DRIVES, OLD ROAD, ETC.	0	
GRUBBING IN FILL	6,210	
LOAM SALVAGE IN FILL	0	
UNDERCUT	0	
MUCK EXCAVATION	0	
CULVERT INLET AND OUTLET DITCHES	0	
PAVEMENT SALVAGE IN FILL	0	
TOTAL COMMON EXCAVATION		22,710

FILL FOR BORROW CALCULATIONS

COMMON FILL (FROM CROSS SECTIONS)	11,710	
FILL FOR DRIVES	0	
GRUBBING IN FILL	6,210	
LOAM SALVAGE IN FILL	0	
UNDERCUT	0	
MUCK EXCAVATION	0	
PAVEMENT SALVAGE IN FILL	0	
TOTAL FILL		17,920

ROCK EXCAVATION FOR ESTIMATE

ROCK EXCAVATION (FROM CROSS SECTIONS)	150	
ROCK EXCAVATION (BOULDERS)	0	
TOTAL ROCK EXCAVATION		150

UNCLASSIFIED EXCAVATION FOR ESTIMATE

TOTAL UNCLASSIFIED EXCAVATION	0

AVAILABLE COMMON EXCAVATION FOR BORROW CALCULATIONS

(1) TOTAL COMMON EXCAVATION		22,710
DEDUCTIONS:		
GRUBBING IN CUT	6,630	
GRUBBING IN FILL	6,210	
LOAM SALVAGE IN CUT	0	
LOAM SALVAGE IN FILL	0	
UNDERCUT	0	
MUCK EXCAVATION	0	
PAVEMENT SALVAGE (CUT & FILL)	0	
(2) TOTAL DEDUCTIONS		12,840
TOTAL AVAILABLE COMMON EXCAVATION (1) MINUS (2)		9,870
TOTAL AVAILABLE STRUCT. EXCAVATIONS (USUALLY UNDERDRAIN ONLY)		70
TOTAL AVAILABLE NON-ROCK EXCAVATION		9,940

COMPUTATION OF WASTE STORAGE & WASTE MATERIAL

TOTAL AVAIL. WASTE STORAGE AREA (FROM CROSS SECTIONS)		0
GRUBBING IN CUT	6,630	
GRUBBING IN FILL	6,210	
UNDERCUT	0	
MUCK EXCAVATION	0	
TOTAL WASTE MATERIAL TO BE UTILIZED (LOWER OF TOTAL AVAILABLE WASTE STORAGE AREA OR TOTAL WASTE MATERIAL)		12,840
TOTAL WASTE MATERIAL TO BE WASTED (TOTAL WASTE MATERIAL MINUS TOTAL WASTE MATERIAL TO BE UTILIZED)		12,840

COMPUTATION FOR COMMON BORROW FOR ESTIMATE

(3)TOTAL FILL		17,920
TOTAL AVAIL. NON-ROCK EXCAV.	9,940x 0.85 = 8,449	
TOTAL AVAIL. ROCK EXCAV.	150x 1.33 = 200	
TOTAL AVAIL. STR. ROCK EXCAV.	100x 1.33 = 133	
TOTAL WASTE MATERIAL TO BE UTILI	0x 1.00 = 0	
(4)TOTAL AVAILABLE EXCAVATION	=	8,782
BORROW NEEDED = TOTAL FILL MINUS TOTAL AVAILABLE EXC		9,139

STATE OF MAINE
DEPARTMENT OF TRANSPORTATION

PIN
16123.50

HIGHWAY PLANS

PROJ MANAGER	J. KITTREDGE		
DESIGN-DETAILED	J. COFFIN		
CHECKED-REVIEWED	J. COFFIN		
DESIGN-DETAILED2	-----		
DESIGN-DETAILED3	-----		
REVISIONS 1	60% REVIEW	J. COFFIN	01-08-09
REVISIONS 2	90% REVIEW	J. COFFIN	02-12-09
REVISIONS 3	ISSUED FOR BID	-----	05-28-09
REVISIONS 4	-----	-----	-----
FIELD CHANGES	-----	-----	-----

SIGNATURE

P.E. NUMBER

DATE

ACADIA GATEWAY FACILITY
BUS MAINTENANCE FACILITY

ESTIMATED QUANTITIES

SHEET NUMBER
C-3
OF 63

Username: Jeffrey.Veilleux Date:9/10/2009

Filename: ...\004_GeneralNotes_Gateway_Center.dgn Division: HIGHWAY

GENERAL NOTES

1. THE UTILITIES INVOLVED IN THIS CONTRACT ARE AS FOLLOWS:
   BANGOR HYDRO ELECTRIC
   FAIRPOINT COMMUNICATIONS
   TIME WARNER CABLE.

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. PAYMENT SHALL BE ~~MADE UNDER ITEM 202.203 PAVEMENT BUTT JOINT.~~ INCIDENTAL TO RELATED CONTRACT ITEMS (2)

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

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

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

7. PRIOR TO REMOVING ANY PAVEMENT OR PLACING ANY SHIM PAVEMENT, THE ROADWAY WILL BE INSPECTED FOR POSSIBLE SUBSURFACE BOULDERS, WHICH WILL BE REMOVED AS DIRECTED BY THE RESIDENT. PAYMENT WILL BE MADE UNDER APPROPRIATE CONTRACT RENTAL ITEMS. BACKFILL WITH MATERIAL CONSISTENT WITH SURROUNDING MATERIAL UP TO SUBGRADE. PLACE AGGREGATE SUBBASE COURSE GRAVEL FROM SUB-GRADE TO FINISH GRAVEL GRADE AND COMPACT ALL MATERIAL. ANY MATERIAL AND EQUIPMENT USED TO BACKFILL HOLES AFTER REMOVAL OF BOULDERS WILL BE CONSIDERED INCIDENTAL TO THE CONTACT ITEMS.

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

9. THE CONTRACTOR SHALL PLAN AND CONDUCT THEIR WORK ACCORDINGLY SO THAT UPON FINAL COMPLETION OF THE PROJECT THERE IS NO DROP-OFF FROM THE EDGE OF SHOULDER PAVEMENT. ALL REMAINING OR DISTURBED MATERIAL ON SLOPES OR IN DITCHES ON THE PROJECT SHALL BE CAPABLE OF ATTAINING A GROWTH OF GRASS THAT IS ACCEPTABLE ACCORDING TO STANDARD SPECIFICATION 618.10. NO SEPARATE PAYMENT WILL BE MADE FOR THIS WORK.

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

11. 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.

12. THE FILL QUANTITY SHOWN ON THE CROSS SECTIONS INCLUDES THE WASTE STORAGE.

13. AREAS REQUIRING FILL ON THE PROJECT WILL COME FROM SUITABLE EXCAVATION FROM EXCAVATION AREAS AND APPROVED BORROW AREAS.

14. 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.

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

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

17. THE FOLLOWING SHALL BE INCIDENTAL TO THE 603 ITEM(S):
    A. ANY CUTTING OF EXISTING CULVERTS AND OR CONNECTORS NECESSARY TO INSTALL NEW CULVERT REPLACEMENTS OR EXTENSIONS
    B. ALL PIPE EXCAVATION INCLUDING ANY CUTTING AND REMOVAL OF PAVEMENT
    C. ALL DITCHING AT PIPE ENDS
    D. 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)
    E. GRANULAR BORROW UNDER THE PIPE SHALL MEET THE REQUIREMENTS FOR UNDERWATER BACKFILL
    F. ALL WORK NECESSARY TO CONNECT TO EXISTING PIPES AND DRAINAGE STRUCTURES
    G. FLOW LINES MAY BE CHANGED BY 1.5 FT
    H. ANY NECESSARY CLEARING OF BRUSH AND NON-PAY TREES AT CULVERT ENDS

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

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

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

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

24. ALL CONNECTIONS FOR UNDERDRAIN (U.D.) TO ROADWAY CULVERTS WILL BE INCIDENTAL TO U.D. PIPE ITEMS.

25. A 3 FT. X 3 FT. SQUARE RIPRAP PAD SHALL BE CONSTRUCTED AT U.D. OUTLETS.

26. 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.

27. LOAM HAS BEEN ESTIMATED FOR ALL DISTURBED SOIL AREAS AND INSLANDS. ACTUAL PLACEMENT OF THE LOAM SHALL BE AS NOTED ON THE PLANS OR DESIGNATED BY THE RESIDENT.

28. UNLESS OTHERWISE NOTED SEEDING METHOD NO. 2 SHALL BE UTILIZED ON ALL DISTURBED SOIL AREAS AND ISLANDS.

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

30. 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

31. THE CONTRACTOR IS RESPONSIBLE FOR THE CAREFUL SIDE STAKING OF EXISTING CENTERLINE AS PER STANDARD SPECIFICATION 105.6.2. SIDE STAKES SHALL BE PLACED SAFELY OUTSIDE OF THE CONSTRUCTION LIMITS AND THE EXISTING CENTERLINE GRADES SHALL BE TRANSFERRED TO THESE STAKES. THESE STAKES AND GRADES WILL BE USED TO LAYOUT CENTERLINE AND DETERMINE NEW CONSTRUCTION FINISH GRADES FROM DIFFERENTIAL ELEVATION SHEETS FURNISHED BY MAINEDOT. ALL LAYOUT, STAKES, AND GRADES WILL BE CHECKED AND MUST BE ACCEPTABLE TO THE RESIDENT.

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

33. 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. STATIONS REFERENCED ARE APPROXIMATE.

36. ALL WORK SHALL BE DONE IN ACCORDANCE WITH THE MAINE DEPARTMENT OF TRANSPORTATION'S BEST MANAGEMENT PRACTICES FOR EROSION & SEDIMENTATION CONTROL, FEBRUARY, 2008.

STATE OF MAINE
DEPARTMENT OF TRANSPORTATION

PIN
16123.50

HIGHWAY PLANS

PROJ. MANAGER	J. KITTREDGE	BY	DATE
DESIGN-DETAILED	J. COFFIN	J. COFFIN	
CHECKED-REVIEWED	----------	----------	----------
DESIGN2-DETAILED2	----------	----------	----------
DESIGN3-DETAILED3	----------	----------	----------
REVISIONS 1	60% REVIEW - JAN 2009		01-06-09
REVISIONS 2	90% REVIEW - FEB 2009		02-12-09
REVISIONS 3	ISSUED FOR BID		05-28-09
REVISIONS 4	----------		----------
FIELD CHANGES	----------		----------

SIGNATURE

P.E. NUMBER

DATE

ACADIA GATEWAY FACILITY
BUS MAINTENANCE FACILITY

GENERAL NOTES

SHEET NUMBER

C-4

OF 63

Filename: ...\msta\005_HDPLAN GATEWAY1.dgn Division: HIGHWAY Username: Jeffrey.Veilleux Date:9/10/2009

ITEM 201.11 - CLEARING

STA 15+50 TO STA 44+85 RT
STA 16+35 TO STA 17+05 LT
STA 17+40 TO STA 17+80 LT

18" x 77' OPT III
1.43% GRADE

STA. 17+73.12 PT

44.07 SF

STA. 14+28.48 PC

RIPRAP PAD (TYPICAL)
EXACT DIMENSIONS TO BE
DETERMINED IN THE
FIELD BY RESIDENT ENGINEER.

43.74 SF

STA. 13+29.11 PT

74.24 SF

18" x 95' OPT III
1.53% GRADE

STATE OF MAINE DEPARTMENT OF TRANSPORTATION
RIGHT OF WAY MONUMENT DEED
FROM MARIANITY DEED
BOOK 4909 PAGE 333
MACOCK MISCDEED
BOOK 3810 PAGE 233

MATCHLINE STA 11+00.00 AGADIA GATEWAY FACILITY ROADWORK AND TRENTON ROUTE 3 ROADWORK (BY OTHERS)

1508.70'

650.00'

B1 B2 B3 B4 B5 F4 F5

11+00 12+00 13+00 14+00 15+00 16+00 17+00 18+00

ACADIA GATEWAY FACILITY PROFILE

PROPOSED PROFILE
EXISTING PROFILE
18" x 95' OPT III

G = 1.50%
G = 1.39%

PVC = STA. 14+59.99
ELEV. = 76.92
EL. 76.77

PVI = STA. 16+09.99
ELEV. = 79.17

PVT = STA. 17+59.99
ELEV. = 81.26

V.C.L. = 300'
SSD = 103.30'
E = -0.040'

11+00	EL. 72.28	EL. 71.52		
	EL. 72.75	EL. 71.89		
12+00	EL. 73.06	EL. 72.27		
	EL. 73.43	EL. 72.64		
	EL. 73.79	EL. 73.02		
13+00	EL. 73.80	EL. 73.39		
	EL. 74.12	EL. 73.77		
	EL. 75.02	EL. 74.14		
14+00	EL. 75.80	EL. 74.52		
	EL. 77.25	EL. 74.89		
	EL. 74.64	EL. 75.27		
15+00	EL. 73.48	EL. 75.64		
	EL. 73.51	EL. 76.02		
	EL. 74.57	EL. 76.39		
	EL. 75.78	EL. 76.77		
		EL. 77.09	EL. 77.14	
16+00	EL. 77.25	EL. 77.52		
	EL. 77.44	EL. 77.89		
	EL. 77.25	EL. 78.25		
	EL. 77.07	EL. 78.62		
17+00	EL. 77.17	EL. 78.98		
	EL. 77.21	EL. 79.35		
	EL. 77.18	EL. 79.70		
	EL. 76.50	EL. 80.06		
18+00	EL. 79.37	EL. 80.42		
	EL. 79.85	EL. 80.77		
	EL. 79.83	EL. 81.12		
	EL. 79.37	EL. 81.47		
	EL. 78.17	EL. 81.82		

STA. 11+00.00 TO STA. 18+00.00

STATE OF MAINE
DEPARTMENT OF TRANSPORTATION

PIN
16123.50

HIGHWAY PLANS

	BY	DATE
PROJ. MANAGER	J. MITTREDGE	
DESIGN-DETAILED	J. COFFIN	
CHECKED-REVIEWED	------	SIGNATURE
DESIGN2-DETAILED2	------	------
DESIGN3-DETAILED3	------	------
REVISIONS 1	60% REVIEW - JAN 2009	01-08-09
REVISIONS 2	90% REVIEW - FEB 2009	02-12-09
REVISIONS 3	ISSUED FOR BID	05-28-09
REVISIONS 4	------	------
FIELD CHANGES	------	------

P.E. NUMBER

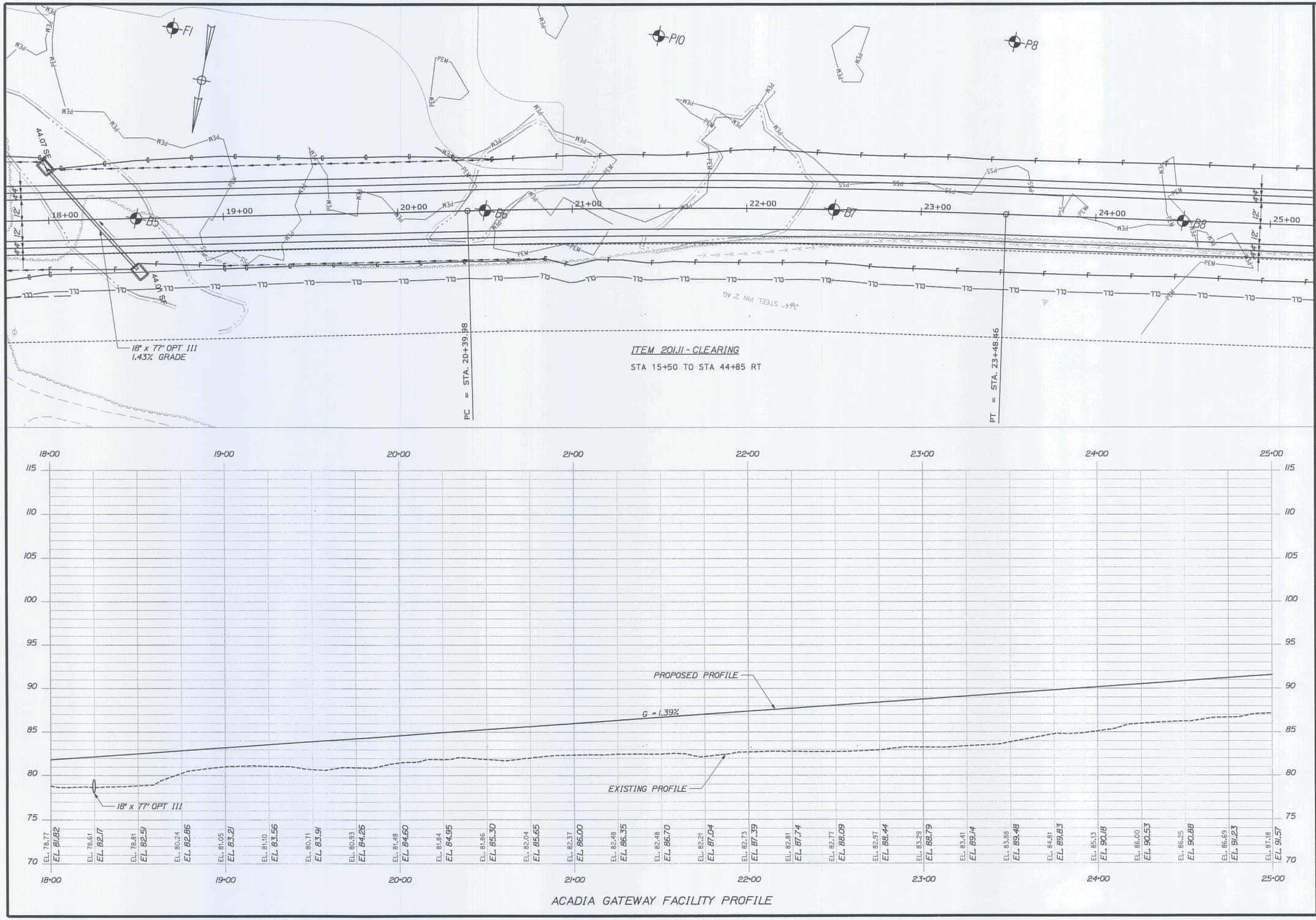
DATE

ACADIA GATEWAY FACILITY
BUS MAINTENANCE FACILITY

PLANS

SHEET NUMBER
C-5
OF 63

Filename: ...\msto\006_HDPLAN GATEWAY2.dgn Division: HIGHWAY Username: Jeffrey.Veilleux Date:9/10/2009



STATE OF MAINE
DEPARTMENT OF TRANSPORTATION

PIN
16123.50

HIGHWAY PLANS

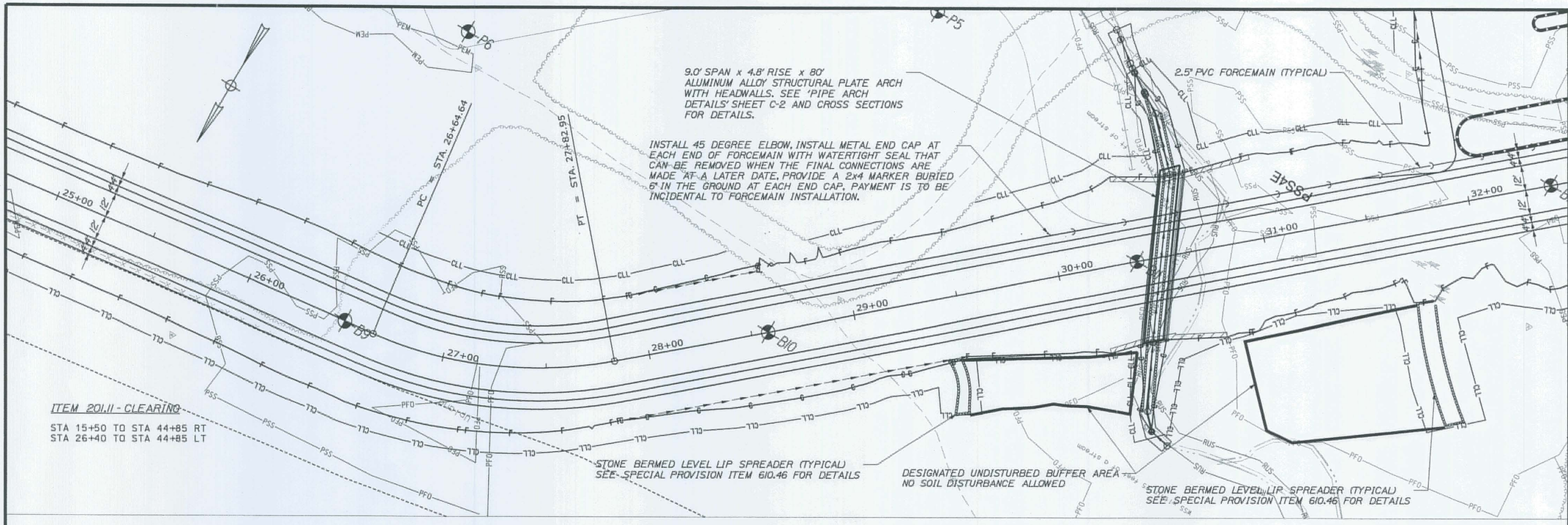
	BY	DATE
PROJ. MANAGER	J. KITTREDGE	
DESIGN-DETAILED	J. COFFIN	
CHECKED-REVIEWED	------	------
DESIGN2-DETAILED2	------	SIGNATURE
DESIGN3-DETAILED3	------	------
REVISIONS 1	60% REVIEW - JAN 2009	01-08-09 P.E. NUMBER
REVISIONS 2	90% REVIEW - FEB 2009	02-12-09
REVISIONS 3	ISSUED FOR BID	05-28-09 DATE
REVISIONS 4	------	------
FIELD CHANGES	------	------

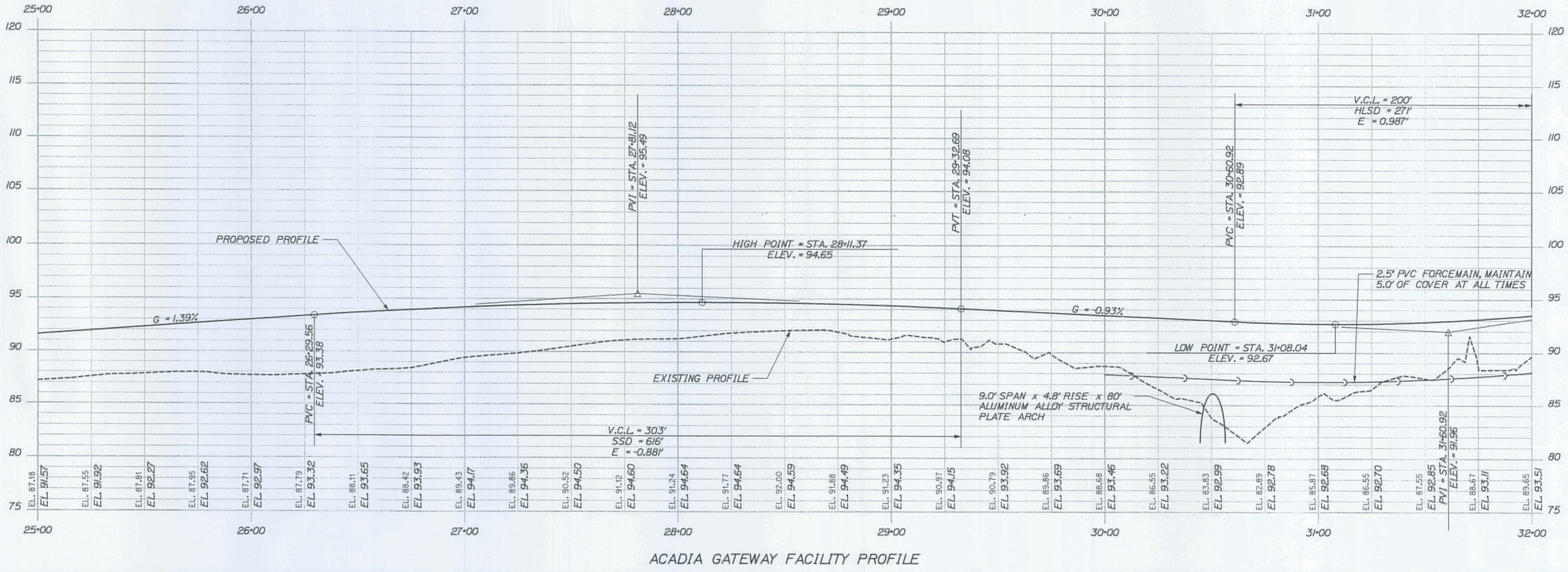
ACADIA GATEWAY FACILITY
BUS MAINTENANCE FACILITY

PLANS

SHEET NUMBER
C-6
OF 63

Filename: ...\msta\007_HDPLAN GATEWAY3.dgn Division: HIGHWAY Username: Jeffrey.Veilleux Date:9/10/2009





ACADIA GATEWAY FACILITY PROFILE

STA. 25+00.00 TO STA. 32+00.00

STATE OF MAINE
DEPARTMENT OF TRANSPORTATION

PIN 16123.50 HIGHWAY PLANS

	BY	DATE
PROJ. MANAGER	J. KITTREDGE	
DESIGN-DETAILED	J. COFFIN	------
CHECKED-REVIEWED	------	------
DESIGN-DETAILED2	------	------
DESIGN-DETAILED3	------	------
REVISIONS 1	60% REVIEW - JAN 2009	01-08-09
REVISIONS 2	90% REVIEW - FEB 2009	02-12-09
REVISIONS 3	ISSUED FOR BID	05-28-09
REVISIONS 4	------	------
FIELD CHANGES	------	------

SIGNATURE

P.E. NUMBER

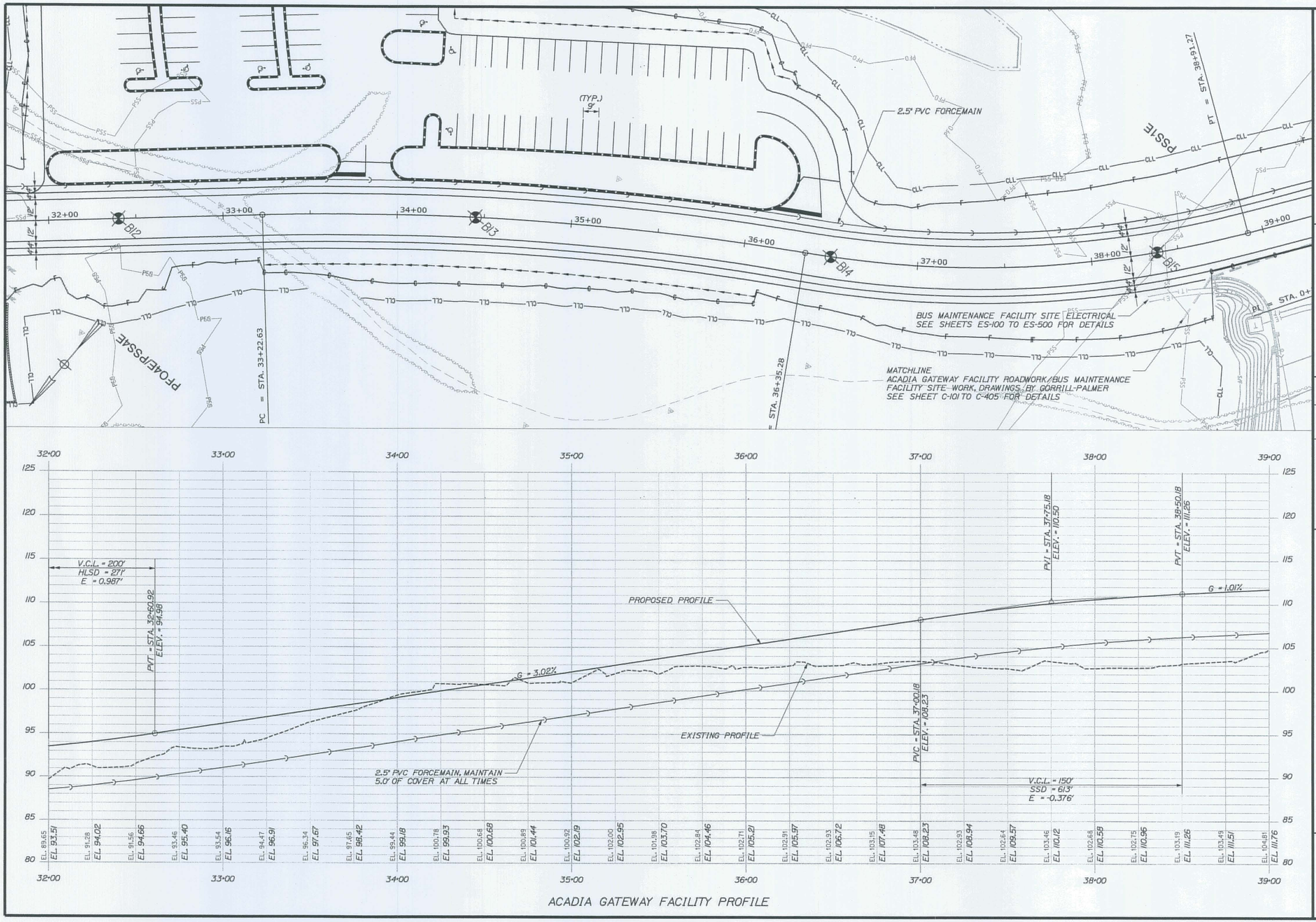
DATE

ACADIA GATEWAY FACILITY
BUS MAINTENANCE FACILITY

PLANS

SHEET NUMBER
C-7
OF 63

Filename: ...\msta\008_HDPLAN GATEWAY4.dgn Division: HIGHWAY Username: Jeffrey.Veilleux Date:9/10/2009



ACADIA GATEWAY FACILITY PROFILE

STA. 32+00.00 TO STA. 39+00.00

STATE OF MAINE
DEPARTMENT OF TRANSPORTATION

PIN
16123.50
HIGHWAY PLANS

	BY	DATE
J. KITTREDGE		
PROJ. MANAGER	J. COFFIN	
DESIGN-DETAILED	J. COFFIN	
CHECKED-REVIEWED	------	
DESIGN2-DETAILED2	------	
DESIGN3-DETAILED3	------	
REVISIONS 1	60% REVIEW - JAN 2009	01-08-09
REVISIONS 2	90% REVIEW - FEB 2009	02-12-09
REVISIONS 3	ISSUED FOR BID	05-28-09
REVISIONS 4	------	------
FIELD CHANGES	------	------

SIGNATURE

P.E. NUMBER

DATE

ACADIA GATEWAY FACILITY
BUS MAINTENANCE FACILITY

PLANS

SHEET NUMBER
C-8
OF 63

Filename: ...\msta\0009_HDPLAN GATEWAY5.dgn Division: HIGHWAY Username: Jeffrey.Veilleux Date:9/10/2009

PRIMARY SEPTIC AREA FOR PHASE 2 - VISITOR CENTER
NO CONSTRUCTION ACTIVITIES ALLOWED
RESERVED FOR FUTURE USE

DRAINAGE DITCH TO LEVEL LIP SPREADER
SEE PLAN SHEET C-16 FOR FULL VIEW AND
SPECIAL PROVISION 610.46 FOR DETAILS

2" WATER SUPPLY LINE
FOR ~~OPTION #2~~ WELL LOCATION
(SEE SHEET C-14 FOR WELL LOCATION)
MATCH TO PLAN C-102

18" x 90' OPT III
1.02% GRADE

2.5" PVC FORCEMAIN

SEE SHEET C-103 FOR
CONTINUATION OF STORM DRAIN

INSTALL 45 DEGREE ELBOW, INSTALL METAL END CAP AT
EACH END OF FORCEMAIN WITH WATERTIGHT SEAL THAT
CAN BE REMOVED WHEN THE FINAL CONNECTIONS ARE
MADE AT A LATER DATE. PROVIDE A 2x4 MARKER BURIED
6' IN THE GROUND AT EACH END CAP. PAYMENT IS TO BE
INCIDENTAL TO FORCEMAIN INSTALLATION.

12" x 70' OPT III
1.0% GRADE

PT = STA. 38+91.27

PI = STA. 0+38.97

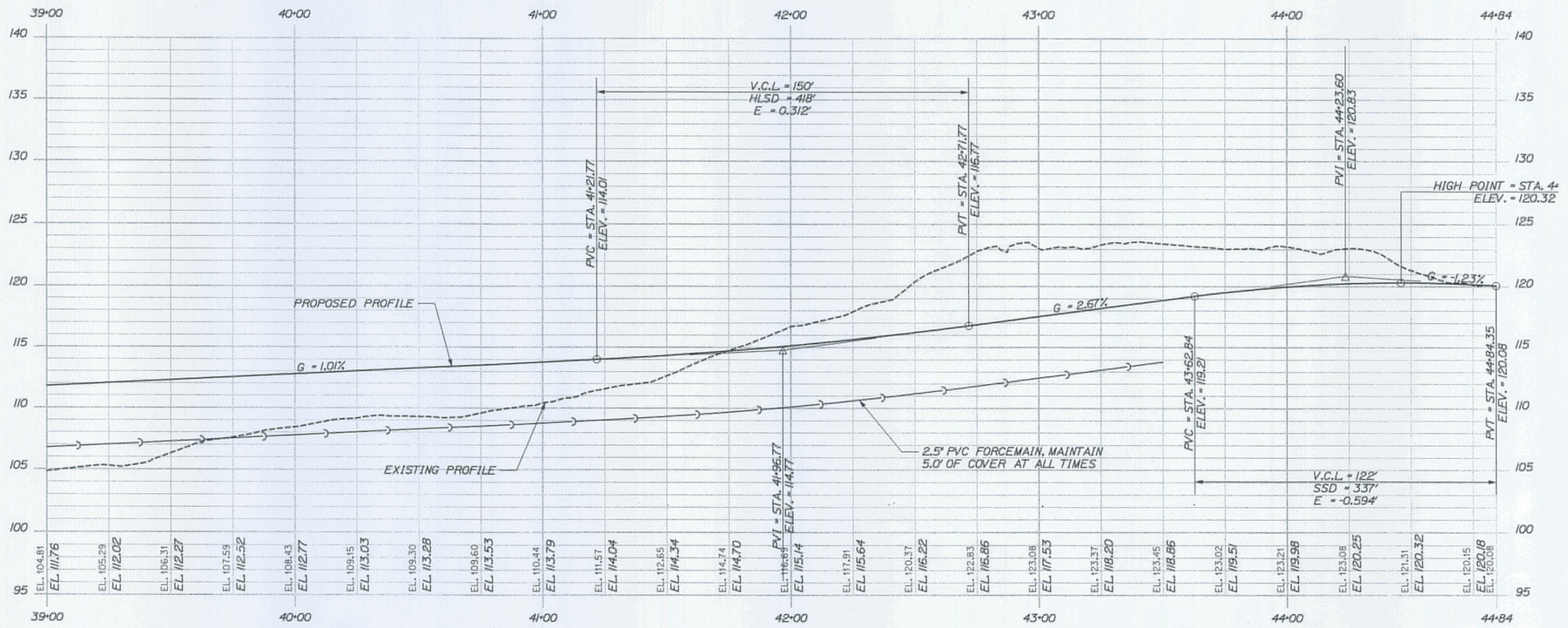
POB = STA. 0+00.00

STA 43+46.06, 5.0' RT
INSTALL CB TYPE A5IC

12" x 40' OPT I
7.50% GRADE

STA 43+44.06, 54.15' RT
INSTALL CB TYPE F6

2" WATER SUPPLY LINE
FOR ~~OPTION #1~~ WELL LOCATION
(SEE SHEET C-17 FOR WELL LOCATION)
MATCH TO PLAN C-102



ACADIA GATEWAY FACILITY PROFILE

STATE OF MAINE
DEPARTMENT OF TRANSPORTATION

PIN
16123.50
HIGHWAY PLANS

	BY	DATE
PROJ. MANAGER	J. KITTREDGE	
DESIGN-DETAILED	J. COFFIN	-----
CHECKED-REVIEWED	-----	-----
DESIGNS-DETAILED	-----	-----
DESIGNS-DETAILED	-----	-----
REVISIONS 1	J. COFFIN	60% REVIEW - JAN 2009 01-08-09
REVISIONS 2	-----	90% REVIEW - FEB 2009 02-12-09
REVISIONS 3	-----	ISSUED FOR BID 05-28-09
REVISIONS 4	-----	-----
FIELD CHANGES	-----	-----

P.E. NUMBER

SIGNATURE

DATE

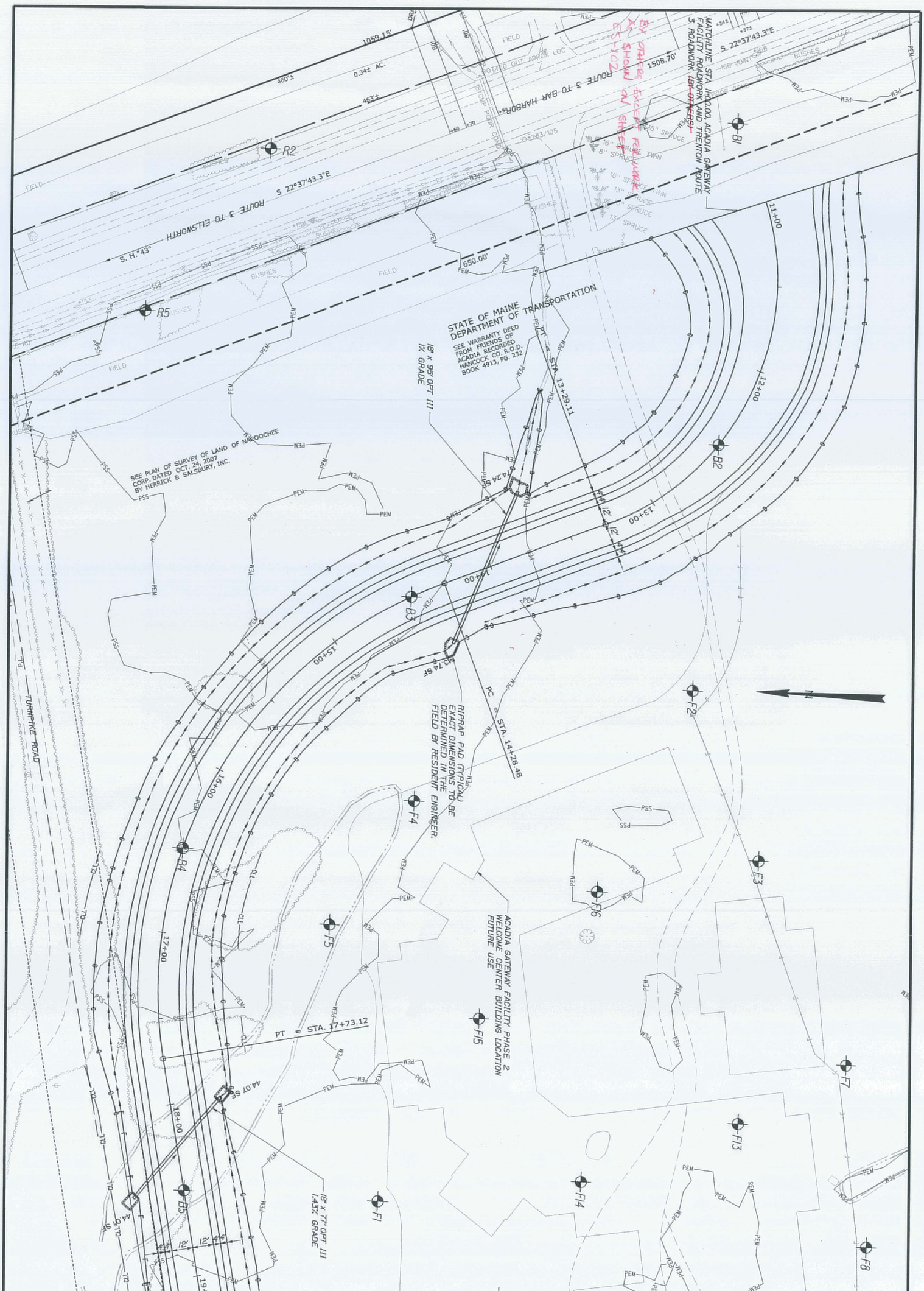
ACADIA GATEWAY FACILITY
BUS MAINTENANCE FACILITY

PLANS

SHEET NUMBER
C-9
OF 63

STA. 39+00.00 TO STA. 44+84.35

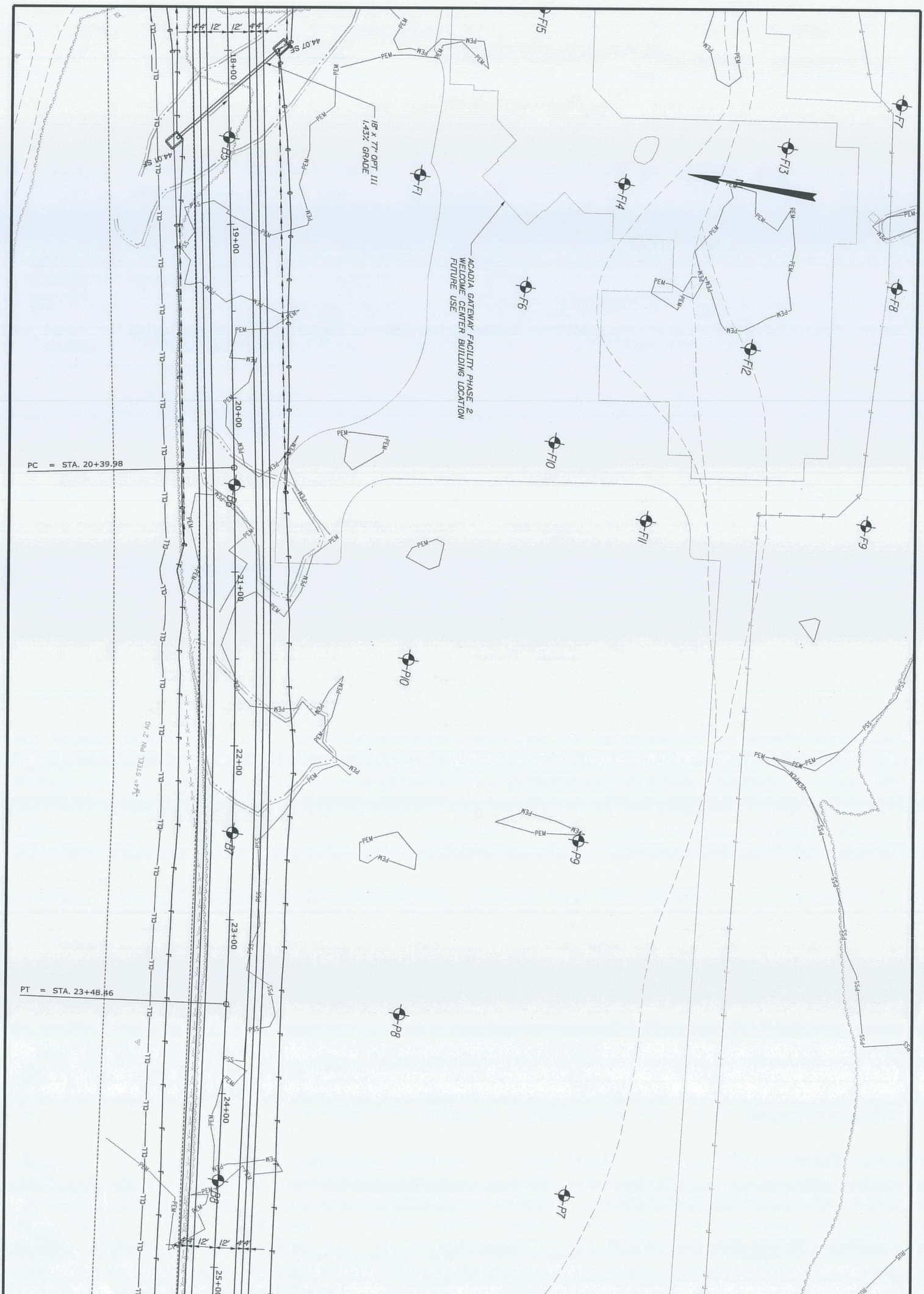
Filename: ...\msta\010_HDPLAN GATEWAY6.dgn Division: HIGHWAY Username: Jeffrey.Veilleux Date:9/10/2009



STA. 11+00.00 TO STA. 18+00.00

SHEET NUMBER C-10 OF 63	ACADIA GATEWAY FACILITY BUS MAINTENANCE FACILITY PLANS	PROJ. MANAGER J. KITTREDGE / BY / DATE DESIGN-DETAILED J. COFFIN J. COFFIN CHECKED-REVIEWED DESIGN2-DETAILED2 DESIGN3-DETAILED3 REVISIONS 1 60Z REVIEW - JAN 2009 01-08-09 REVISIONS 2 90Z REVIEW - FEB 2009 02-12-09 REVISIONS 3 ISSUED FOR BID 05-28-09 REVISIONS 4 FIELD CHANGES SIGNATURE P.E. NUMBER DATE	STATE OF MAINE DEPARTMENT OF TRANSPORTATION PIN 16123.50 HIGHWAY PLANS

Filename: ...\msta\011_HDPLAN GATEWAY7.dgn Division: HIGHWAY Username: Jeffrey.Veilleux Date:9/10/2009



STA. 18+00.00 TO STA. 25+00.00

PROJ. MANAGER	J. KITTREDGE	BY	DATE
DESIGN-DETAILED	J. COFFIN	J. COFFIN	
CHECKED-REVIEWED			
DESIGN2-DETAILED2			
DESIGN3-DETAILED3			
REVISIONS 1	60% REVIEW - JAN 2009		01-08-09
REVISIONS 2	90% REVIEW - FEB 2009		02-12-09
REVISIONS 3	ISSUED FOR BID		05-28-09
REVISIONS 4			
FIELD CHANGES			

SIGNATURE

P.E. NUMBER

DATE

SHEET NUMBER C-11 OF 63

ACADIA GATEWAY FACILITY
BUS MAINTENANCE FACILITY

PLANS

STATE OF MAINE
DEPARTMENT OF TRANSPORTATION

PIN 16123.50

HIGHWAY PLANS

Username: Jeffrey.Veilleux Date:9/10/2009
Filename: ...\mstа\012_HDPLAN GATEWAYB.dgn Division: HIGHWAY

STONE BERMED LEVEL LIP SPREADER (TYPICAL)
SEE SPECIAL PROVISION ITEM 610.46 FOR DETAILS

DESIGNATED UNDISTURBED BUFFER AREA
NO SOIL DISTURBANCE ALLOWED

1753.93SF

9.0' SPAN x 4.8' RISE x 80'
ALUMINUM ALLOY STRUCTURAL PLATE ARCH
WITH HEADWALLS. SEE 'PIPE ARCH
DETAILS' SHEET C-2 AND CROSS SECTIONS
FOR DETAILS.

INSTALL 45 DEGREE ELBOW. INSTALL METAL END CAP AT EACH END OF FORCEMAIN WITH WATERTIGHT SEAL THAT CAN BE REMOVED WHEN THE FINAL CONNECTIONS ARE MADE AT A LATER DATE. PROVIDE A 2x4 MARKER BURIED 6" IN THE GROUND AT EACH END CAP. PAYMENT IS TO BE INCIDENTAL TO FORCEMAIN INSTALLATION.

2.5" PVC FORCEMAIN

PC = STA. 26+64.64

PT = STA. 27+82.95

STONE BERMED LEVEL LIP SPREADER (TYPICAL)
SEE SPECIAL PROVISION ITEM 610.46 FOR DETAILS

DESIGNATED UNDISTURBED BUFFER AREA
NO SOIL DISTURBANCE ALLOWED

STONE BERMED LEVEL LIP SPREADER (TYPICAL)
SEE SPECIAL PROVISION ITEM 610.46 FOR DETAILS

STA. 25+00.00 TO STA. 32+00.00

STATE OF MAINE
DEPARTMENT OF TRANSPORTATION

PIN
16123.50

HIGHWAY PLANS

SIGNATURE

P.E. NUMBER

DATE

	BY	DATE
PROJ. MANAGER	J. MITTERIDGE	
DESIGN DETAILED	J. COFFIN	
CHECKED / REVIEWED	------	
GENERAL DETAILED	------	
REVISIONS 1	60% REVIEW - JAN 2009	01-08-09
REVISIONS 2	90% REVIEW - FEB 2009	02-12-09
REVISIONS 3	ISSUED FOR BID	05-28-09
REVISIONS 4	------	------
FIELD CHANGES	------	------

ACADIA GATEWAY FACILITY
BUS MAINTENANCE FACILITY

PLANS

SHEET NUMBER
C-12
OF 63

Filename: ...\mista\013_HDPLAN GATEWAY9.dgn Username: Jeffrey.Veilleux Division: HIGHWAY Date:9/10/2009

13 PARKING SPACES AT 9' WIDE
12 PARKING SPACES AT 10' WIDE

13 PARKING SPACES AT 9' WIDE
12 PARKING SPACES AT 10' WIDE

13 PARKING SPACES AT 9' WIDE
12 PARKING SPACES AT 10' WIDE

STONE BERMED LEVEL LIP SPREADER (TYPICAL)
SEE SPECIAL PROVISION ITEM 610.46 FOR DETAILS

STONE BERMED LEVEL LIP SPREADER (TYPICAL)
SEE SPECIAL PROVISION ITEM 610.46 FOR DETAILS

DESIGNATED UNDISTURBED BUFFER AREA
NO SOIL DISTURBANCE ALLOWED

DESIGNATED UNDISTURBED BUFFER AREA
NO SOIL DISTURBANCE ALLOWED

STONE BERMED LEVEL LIP SPREADER (TYPICAL)
SEE SPECIAL PROVISION ITEM 610.46 FOR DETAILS

2.5' PVC FORCEMAIN

9.0' SPAN x 4.8' RISE x 80'
ALUMINUM ALLOY STRUCTURAL PLATE ARCH
WITH HEADWALLS. SEE 'PIPE ARCH
DETAILS' SHEET C-2 AND CROSS SECTIONS
FOR DETAILS.

1753.93SF

PC = STA. 33+22.63

STA. 30+00.00 TO STA. 34+00.00

STATE OF MAINE
DEPARTMENT OF TRANSPORTATION

PIN
16123.50

HIGHWAY PLANS

PROJ. MANAGER	J. KITTREDGE	BY
DESIGN-DETAILED	J. COFFIN	
CHECKED-REVIEWED		
DESIGN2-DETAILED		
DESIGN3-DETAILED		
REVISIONS 1	60% REVIEW - JAN 2009	01-08-09
REVISIONS 2	90% REVIEW - FEB 2009	02-12-09
REVISIONS 3	ISSUED FOR BID	05-28-09
REVISIONS 4	------	------
FIELD CHANGES	------	------

SIGNATURE

P.E. NUMBER

DATE

ACADIA GATEWAY FACILITY
BUS MAINTENANCE FACILITY

PLANS

SHEET NUMBER
C-13
OF 63

Filename: ...\mstio\014_HDPLAN GATEWAY10.dgn Division: HIGHWAY Username: Jeffrey.Veilleux Date:9/10/2009

PT = STA. 38+91.27

2" WATER SUPPLY LINE
FOR ~~OPTION #2~~ WELL LOCATION
(SEE THIS SHEET FOR WELL LOCATION)
MATCH TO PLAN C-102

2.5" PVC FORCEMAIN

PROPOSED WELL LOCATION - OPTION #2
FOR BUS MAINTENANCE FACILITY
STATION 36+50.158' LT
X=2166842.8551
Y=231984.1385

MATCHLINE
ACADIA GATEWAY FACILITY ROADWORK/BUS MAINTENANCE
FACILITY SITE WORK. DRAWINGS BY GORRILL-PALMER
SEE PAGES C-101 TO C-405 FOR DETAILS

BUS MAINTENANCE FACILITY SITE ELECTRICAL
SEE SHEETS ES-100 TO ES-500 FOR DETAILS

STONE BERMED LEVEL LIP SPREADER (TYPICAL)
SEE SPECIAL PROVISION ITEM 610.46 FOR DETAILS

2785.93SF

DESIGNATED UNDISTURBED BUFFER AREA
NO SOIL DISTURBANCE ALLOWED

DIVERSION DITCH - EXACT DIMENTIONS,
LOCATION AND GRADES TO BE DETERMINED
IN THE FIELD BY THE RESIDENT

PRC = STA. 36+35.28

13 PARKING SPACES AT 9' WIDE
12 PARKING SPACES AT 10' WIDE

19 PARKING SPACES AT 9' WIDE
17 PARKING SPACES AT 10' WIDE

20 PARKING SPACES AT 9' WIDE
18 PARKING SPACES AT 10' WIDE

(TYP.) 9'

PSS16

PFO14E

PUB3HB

B5 B4 B3

38+00 37+00 36+00 35+00 34+00

STATE OF MAINE
DEPARTMENT OF TRANSPORTATION

PIN
16123.50

HIGHWAY PLANS

	BY	DATE
PROJ. MANAGER	J. MITREDGE	
DESIGN-DETAILED	J. COFFIN	-----
CHECKED-REVIEWED	-----	-----
DESIGNS-DETAILED	-----	-----
DESIGNS-SET ALIGN	-----	-----
REVISIONS 1	60% REVIEW - JAN 2009	01-08-09
REVISIONS 2	90% REVIEW - FEB 2009	02-12-09
REVISIONS 3	ISSUED FOR BID	05-28-09
REVISIONS 4	-----	-----
FIELD CHANGES	-----	-----

SIGNATURE

P.E. NUMBER

DATE

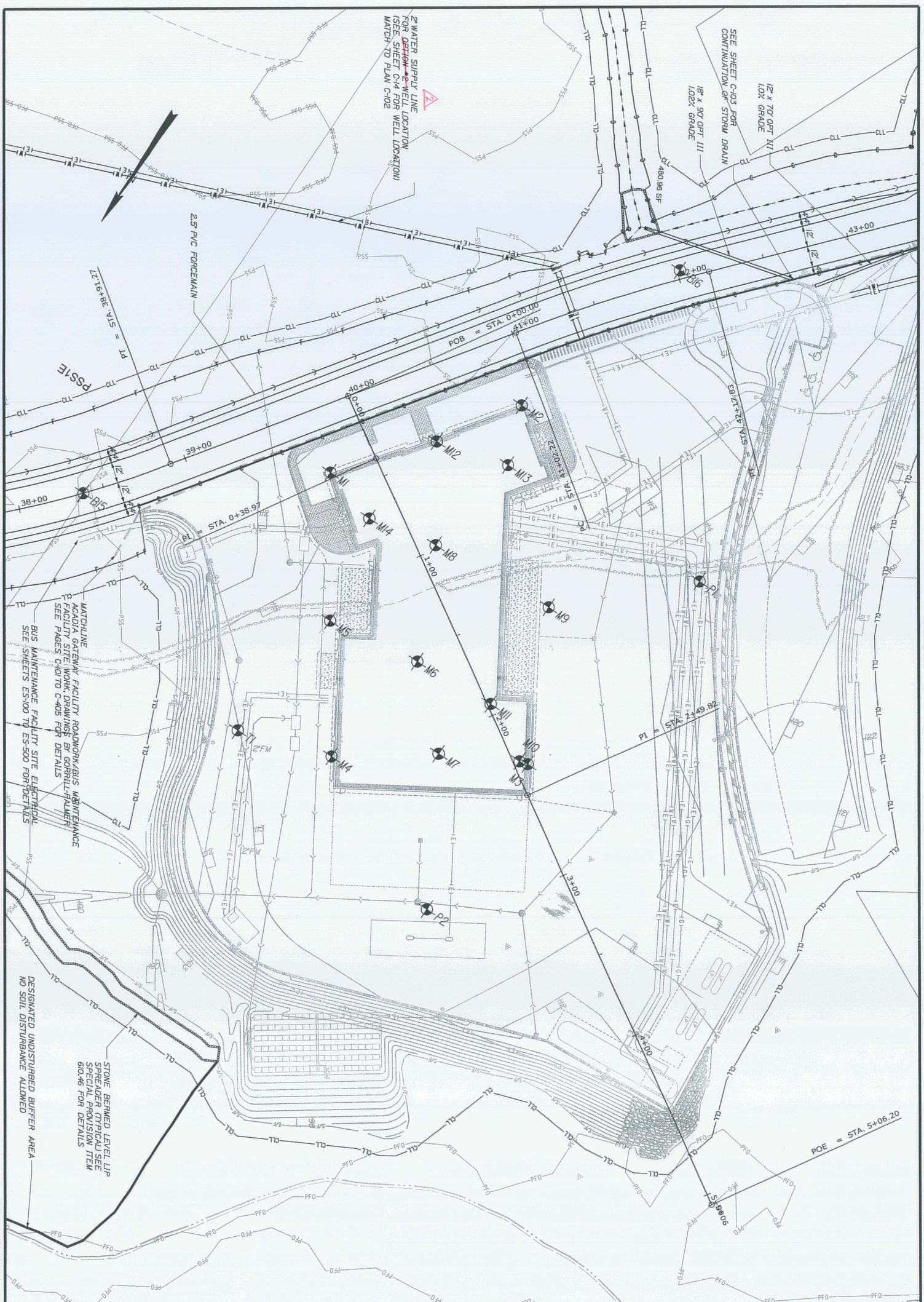
ACADIA GATEWAY FACILITY
BUS MAINTENANCE FACILITY

PLANS

SHEET NUMBER
C-14
OF 63

STA. 34+00.00 TO STA. 38+00.00

Filename: ...\msta\015_HDPLAN GATEWAY11.dgn Division: HIGHWAY Username: Jeffrey.Veilleux Date:9/10/2009



SHEET NUMBER C-15 OF 63	ACADIA GATEWAY FACILITY BUS MAINTENANCE FACILITY PLANS	PROJ. MANAGER J. KITTREDGE; DESIGN-DETAILED J. COFFIN; CHECKED-REVIEWED; DESIGN2-DETAILED2; DESIGN3-DETAILED3; REVISIONS 1 60% REVIEW - JAN 2009 01-08-09; REVISIONS 2 90% REVIEW - FEB 2009 02-12-09; REVISIONS 3 ISSUED FOR BID 05-28-09; REVISIONS 4; FIELD CHANGES SIGNATURE P.E. NUMBER DATE	STATE OF MAINE DEPARTMENT OF TRANSPORTATION PIN 16123.50 HIGHWAY PLANS

PRIMARY SEPTIC AREA FOR PHASE 2 - VISITOR CENTER
NO CONSTRUCTION ACTIVITIES ALLOWED
RESERVED FOR FUTURE USE

2" WATER SUPPLY LINE
FOR OPTION #1 WELL LOCATION
(SEE SHEET C-17 FOR WELL LOCATION)
MATCH TO PLAN C-102

INSTALL 45 DEGREE ELBOW, INSTALL METAL END CAP AT EACH END OF FORCEMAIN WITH WATERTIGHT SEAL THAT CAN BE REMOVED WHEN THE FINAL CONNECTIONS ARE MADE AT A LATER DATE. PROVIDE A 2x4 MARKER BURIED 6" IN THE GROUND AT EACH END CAP. PAYMENT IS TO BE INCIDENTAL TO FORCEMAIN INSTALLATION.

STONE BERMED LEVEL LIP SPREADER (TYPICAL)
SEE SPECIAL PROVISION ITEM 610.46 FOR DETAILS

STA 43+46.06, 15.0' RT
INSTALL CB TYPE A5-C

12" x 70' OPT III
1.0% GRADE

2.5" PVC FORCEMAIN

SEE SHEET C-103 FOR
CONTINUATION OF STORM DRAIN

18" x 90' OPT III
1.02% GRADE

12" x 40' OPT I
7.5% GRADE

STA 43+44.06, 54.15' RT
INSTALL CB TYPE F6

DESIGNATED UNDISTURBED BUFFER AREA
NO SOIL DISTURBANCE ALLOWED

MATCHLINE
ACADIA GATEWAY FACILITY ROADWORK/BUS MAINTENANCE
FACILITY SITE WORK, DRAWINGS BY GORRILL-PALMER
SEE SHEETS C-101 TO C-405 FOR DETAILS

2" WATER SUPPLY LINE
FOR ~~OPTION~~ #2 WELL LOCATION
(SEE SHEET C-14 FOR WELL LOCATION)
MATCH TO PLAN C-102

POB = STA. 0+00.00

PFO1/4E

STATE OF MAINE
DEPARTMENT OF TRANSPORTATION

PIN
16123.50
HIGHWAY PLANS

PROJ. MANAGER	J. KITTREDGE	
DESIGNED/DETAILED	J. COFFIN	
CHECKED/REVIEWED	-----	
DESIGN1-DETAILED3	-----	
REVISIONS 1	60% REVIEW - JAN 2009	01-08-09
REVISIONS 2	90% REVIEW - FEB 2009	02-12-09
REVISIONS 3	ISSUED FOR BID	05-28-09
REVISIONS 4	-----	-----
FIELD CHANGES	-----	-----

SIGNATURE

P.E. NUMBER

DATE

ACADIA GATEWAY FACILITY
BUS MAINTENANCE FACILITY

PLANS

SHEET NUMBER
C-16
OF 63

STA. 43+00.00 TO STA. 44+84.35

Filename: ...\msta\016_HDPLAN GATEWAY12.dgn Division: HIGHWAY Username: Jeffrey.Veilleux Date:9/10/2009

Filename: ...\mata\017_HDPLAN GATEWAY13.dgn Username: Jeffrey.Veilleux Date:9/10/2009 Division: HIGHWAY

2" WATER SUPPLY LINE
FOR OPTION #1 WELL LOCATION
(SEE THIS SHEET FOR WELL LOCATION)
MATCH TO PLAN C-102

PRIMARY SEPTIC AREA FOR PHASE 2 - VISITOR CENTER
NO CONSTRUCTION ACTIVITIES ALLOWED
RESERVED FOR FUTURE USE

PROPOSED WELL LOCATION - OPTION #1
FOR BUS MAINTENANCE FACILITY
STATION 44+00.27, 458.65' RT
X=2165756.2406
Y=231649.8305

PROPOSED WELL LOCATION - OPTION 1
MAINT. FACILITY

12 PARKING SPACES AT 9' WIDE
11 PARKING SPACES AT 10' WIDE

MATCHLINE
ACADIA GATEWAY FACILITY ROADWORK/BUS MAINTENANCE
FACILITY SITE WORK, DRAWINGS BY GORRILL-PALMER
SEE SHEETS C-101 TO C-405 FOR DETAILS

INSTALL 45 DEGREE ELBOW, INSTALL METAL END CAP AT EACH END OF FORCEMAIN WITH WATERTIGHT SEAL THAT CAN BE REMOVED WHEN THE FINAL CONNECTIONS ARE MADE AT A LATER DATE. PROVIDE A 2x4 MARKER BURIED 6" IN THE GROUND AT EACH END CAP. PAYMENT IS TO BE INCIDENTAL TO FORCEMAIN INSTALLATION.

2.5" PVC FORCEMAIN

RESERVE SEPTIC AREA FOR PHASE 2 - VISITOR CENTER
NO CONSTRUCTION ACTIVITIES ALLOWED
RESERVED FOR FUTURE USE

STA. 42+00.00 TO STA. 44+84.35

STATE OF MAINE
DEPARTMENT OF TRANSPORTATION

PIN
16123.50

HIGHWAY PLANS

	J. KITTREDGE	BY	DATE
DESIGN-DETAILED	J. COFFIN	J. COFFIN	-----
CHECKED-REVIEWED	-----	-----	-----
DESIGN2-DETAILED2	-----	-----	-----
DESIGN3-DETAILED3	-----	-----	-----
REVISIONS 1	60% REVIEW - JAN 2009		01-08-09
REVISIONS 2	90% REVIEW - FEB 2009		02-12-09
REVISIONS 3	ISSUED FOR BID		05-28-09
REVISIONS 4	-----	-----	-----
FIELD CHANGES	-----	-----	-----

P.E. NUMBER

SIGNATURE

DATE

ACADIA GATEWAY FACILITY
BUS MAINTENANCE FACILITY

PLANS

SHEET NUMBER
C-17
OF 63

Filename: ...\DIB_Geometry_Gateway_Center.dgn Division: HIGHWAY Username: Jeffrey.Veilleux Date:9/10/2009

CURVE DATA

DAB REPORT FOR COMMUTER LOT CURB 1

Point Type	Point Number	Station	Northing	Easting	Radius	Length
POB	40	0+00.00	232421.82	2167068.23		
			S 48°16'50" W			148.84
PC	41	1+48.84	232322.77	2166957.14		
					10.00 RT	31.42
PT	42	1+80.26	232337.7	2166943.83		
			N 48°16'50" E			148.84
PC	43	3+29.10	232436.75	2167054.92		
					10.00 RT	31.42
PT	40	3+60.51	232421.82	2167068.23		

DAB REPORT FOR COMMUTER LOT CURB 2

Point Type	Point Number	Station	Northing	Easting	Radius	Length
POB	1	0+00.00	232350.56	2167048.72		
			S 48°16'49" W			14.92
PC	2	0+14.92	232340.63	2167037.58		
					4.00 RT	12.57
PT	4	0+27.49	232346.6	2167032.26		
			N 48°16'49" E			37.00
PC	5	0+64.49	232371.23	2167059.88		
					4.00 RT	12.57
PT	7	0+77.05	232365.26	2167065.2		
			S 48°16'49" W			14.04
PC	8	0+91.09	232355.92	2167054.73		
					522.90 RT	119.26
PT	11	2+10.35	232267.1	2167133.92		
			N 48°16'53" E			14.92
PC	14	2+25.27	232277.03	2167145.06		
					4.00 RT	12.57
PT	16	2+37.84	232271.06	2167150.38		
			S 48°16'53" W			37.00
PC	17	2+74.84	232246.43	2167122.77		
					4.00 RT	12.57
PT	19	2+87.40	232252.41	2167117.44		
			N 48°16'53" E			14.04
PC	20	3+01.44	232261.75	2167127.92		
					514.90 RT	119.27
PT	1	4+20.71	232350.56	2167048.72		

DAB REPORT FOR COMMUTER LOT CURB 3

Point Type	Point Number	Station	Northing	Easting	Radius	Length
POB	21	0+00.00	232304.21	2166995.49		
			S 48°16'49" W			14.92
PC	22	0+14.92	232294.28	2166984.35		
					4.00 RT	12.57
PT	24	0+27.49	232300.25	2166979.03		
			N 48°16'49" E			37.00
PC	25	0+64.49	232324.87	2167006.65		
					4.00 RT	12.57
PT	27	0+77.05	232318.9	2167011.97		
			S 48°16'49" W			14.04
PC	28	0+91.09	232309.56	2167001.49		
					593.90 RT	120.16
PT	30	2+11.25	232219.96	2167081.24		
			N 50°07'38" E			14.92
PC	33	2+26.17	232229.53	2167092.7		
					4.00 RT	12.57
PT	35	2+38.73	232223.39	2167097.82		
			S 50°07'38" W			37.00
PC	36	2+75.73	232199.67	2167069.43		
					4.00 RT	12.57
PT	38	2+88.30	232205.81	2167064.3		
			N 50°07'38" E			14.04
PC	39	3+02.34	232214.81	2167075.07		
					585.90 RT	119.90
PT	21	4+22.24	232304.21	2166995.49		

GEOMETRICS

STATION AND OFFSET FOR CURVE CENTERS FROM MC30

Offset Point	Baseline Station	Offset	Northing	Easting	Radius
R1	32+09.50	30.00 LT	232429.29	2167061.58	10.00 FT
R2	33+57.67	30.39 LT	232330.23	2166950.48	10.00 FT
R3	32+49.40	76.20 LT	232368.24	2167062.54	4.00 FT
R4	32+86.40	76.20 LT	232343.62	2167034.92	4.00 FT
R5	32+48.51	203.20 LT	232274.04	2167147.72	4.00 FT
R6	32+85.51	203.20 LT	232249.42	2167120.10	4.00 FT
R7	33+19.98	75.38 LT	232321.89	2167009.31	4.00 FT
R8	33+55.43	75.73 LT	232297.27	2166981.69	4.00 FT
R9	33+19.33	203.81 LT	232226.46	2167095.26	4.00 FT
R10	33+52.52	202.93 LT	232202.74	2167066.86	4.00 FT
R11	34+05.51	30.00 LT	232299.46	2166912.68	10.00 FT
R12	34+18.78	53.69 LT	232272.45	2166916.78	5.01 FT
R13	36+03.98	41.91 LT	232172.85	2166753.82	21.92 FT
R14	36+02.37	58.75 LT	232159.39	2166764.07	5.00 FT
R15	34+19.02	91.24 LT	232242.81	2166939.84	4.00 FT
R16	33+99.23	96.98 LT	232251.41	2166959.79	9.11 FT

CURVE DATA

DAB REPORT FOR COMMUTER LOT CURB 4

Point Type	Point Number	Station	Northing	Easting	Radius	Length
PC	44	0+00.00	232291.66	2166918.94		
					1595.19 RT	8.28
PT	45	0+08.28	232286.36	2166912.58		
			S 36°54'39" E			13.43
PC	46	0+21.71	232275.63	2166920.65		
					5.00 RT	15.72
PT	47	0+37.43	232269.27	2166912.92		
			N 36°54'39" W			13.43
PC	48	0+50.86	232280	2166904.85		
					1595.19 RT	180.12
PT	49	2+30.97	232174.04	2166759.32		
			S 36°54'45" E			14.57
PC	50	2+45.54	232162.4	2166768.07		
					5.00 RT	7.82
PCC	51	2+53.36	232155.42	2166767.1		
					21.92 RT	70.49
PRC	52	3+23.85	232191.22	2166741.86		
					1620.00 LT	201.49
PRC	53	5+25.34	232307.26	2166906.42		
					10.00 RT	31.42
PT	44	5+56.75	232291.66	2166918.94		

DAB REPORT FOR COMMUTER LOT CURB 13

Point Type	Point Number	Station	Northing	Easting	Radius	Length
POB	54	0+00.00	232228.81	2166945.35		
			N 36°54'42" W			14.50
PC	55	0+14.50	232240.41	2166936.64		
					4.00 RT	6.28
PT	56	0+20.78	232246.01	2166937.44		
			N 53°05'18" E			21.11
PC	57	0+41.90	232258.69	2166954.32		
					9.11 RT	28.51
PT	58	0+70.40	232244.19	2166965.34		
			S 52°26'12" W			25.22
POE	54	0+95.62	232228.81	2166945.35		

GEOMETRICS

STATION & OFFSETS FOR COMMUTER LOT CURB 1 TO MC30

Offset Point	Baseline Station	Offset	Northing	Easting
40	32+09.50	40.00 LT	232421.82	2167068.23
41	33+57.46	40.39 LT	232322.77	2166957.14
42	33+57.89	20.39 LT	232337.70	2166943.83
43	32+09.50	20.00 LT	232436.75	2167054.92

STATION & OFFSETS FOR COMMUTER LOT CURB 2 TO MC30

Offset Point	Baseline Station	Offset	Northing	Easting
1	32+71.48	80.20 LT	232350.56	2167048.72
2	32+86.40	80.20 LT	232340.63	2167037.58
4	32+86.40	72.20 LT	232346.60	2167032.26
5	32+49.40	72.20 LT	232371.23	2167059.88
7	32+49.40	80.20 LT	232365.26	2167065.20
8	32+63.44	80.20 LT	232355.91	2167054.72
11	32+63.43	199.20 LT	232267.10	2167133.92
14	32+48.51	199.20 LT	232277.03	2167145.06
16	32+48.51	207.20 LT	232271.06	2167150.38
17	32+85.51	207.20 LT	232246.43	2167122.77
19	32+85.51	199.20 LT	232252.41	2167117.44
20	32+71.47	199.20 LT	232261.75	2167127.92

STATION & OFFSETS FOR COMMUTER LOT CURB 3 TO MC30

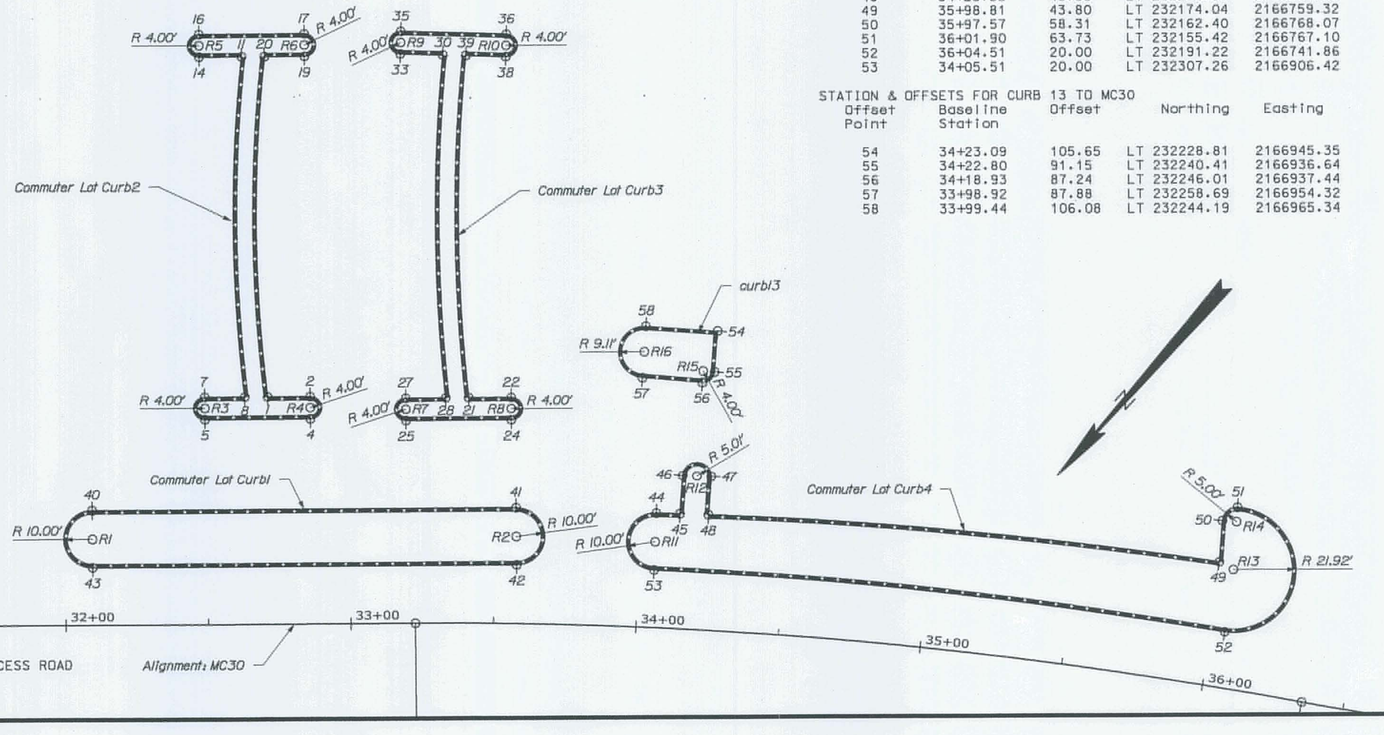
Offset Point	Baseline Station	Offset	Northing	Easting
21	33+41.14	79.49 LT	232304.21	2166995.49
22	33+55.35	79.73 LT	232294.28	2166984.35
24	33+55.51	71.73 LT	232300.25	2166979.03
25	33+19.98	71.38 LT	232324.87	2167006.65
27	33+19.98	79.38 LT	232318.90	2167011.97
28	33+33.48	79.42 LT	232309.56	2167001.49
30	33+32.84	199.36 LT	232219.96	2167081.24
33	33+19.20	199.81 LT	232229.53	2167092.70
35	33+19.46	207.80 LT	232223.39	2167097.82
36	33+52.57	206.93 LT	232199.67	2167069.43
38	33+52.48	198.93 LT	232205.81	2167064.30
39	33+39.99	199.17 LT	232214.81	2167075.07

STATION & OFFSETS FOR COMMUTER LOT CURB 4 TO MC30

Offset Point	Baseline Station	Offset	Northing	Easting
44	34+05.51	40.00 LT	232291.66	2166918.94
45	34+13.59	40.17 LT	232286.36	2166912.58
46	34+13.94	53.59 LT	232275.63	2166920.65
47	34+23.62	53.80 LT	232269.27	2166912.92
48	34+23.35	40.38 LT	232280.00	2166904.85
49	35+98.81	43.80 LT	232174.04	2166759.32
50	35+97.57	58.31 LT	232162.40	2166768.07
51	36+01.90	63.73 LT	232155.42	2166767.10
52	36+04.51	20.00 LT	232191.22	2166741.86
53	34+05.51	20.00 LT	232307.26	2166906.42

STATION & OFFSETS FOR CURB 13 TO MC30

Offset Point	Baseline Station	Offset	Northing	Easting
54	34+23.09	105.65 LT	232228.81	2166945.35
55	34+22.80	91.15 LT	232240.41	2166936.64
56	34+18.93	87.24 LT	232246.01	2166937.44
57	33+98.92	87.88 LT	232258.69	2166954.32
58	33+99.44	106.08 LT	232244.19	2166965.34



STATE OF MAINE
DEPARTMENT OF TRANSPORTATION

PIN 16123.50 HIGHWAY PLANS

	BY	DATE
PROJ. MANAGER	J. KITTREDGE	
DESIGN-DETAILED	J. COFFIN	
CHECKED-REVIEWED		
DESIGN2-DETAILED2		
DESIGN3-DETAILED3		
REVISIONS 1	60% REVIEW - JAN 2009	01-08-09
REVISIONS 2	90% REVIEW - FEB 2009	02-12-09
REVISIONS 3	ISSUED FOR BID	05-29-09
REVISIONS 4		
FIELD CHANGES		

SIGNATURE

P.E. NUMBER

DATE

ACADIA GATEWAY FACILITY
BUS MAINTENANCE FACILITY

GEOMETRICS AND CURB LAYOUT

SHEET NUMBER
C-18
OF 63

Filename: ...\019_Geometry_Gateway_Center.dgn Division: HIGHWAY Username: Jeffrey.Velleux Date:9/10/2009

CURVE DATA

DAB REPORT FOR CUL-DE-SAC CURB CENTER

Point Type	Point Number	Station	Northing	Easting	Radius	Length
POB	60	0+00.00	231592.92	2166231.25		
			N 35°57'52" W			17.63
PC	61	0+17.63	231607.19	2166220.89		
					10.00 LT	21.14
PT	63	0+38.77	231605.22	2166203.59		
			S 22°55'59" W			17.71
PC	64	0+56.48	231588.9	2166196.69		
					20.00 LT	83.47
PT	60	1+39.95	231592.92	2166231.25		

DAB REPORT FOR CUL-DE-SAC CURB RIGHT

Point Type	Point Number	Station	Northing	Easting	Radius	Length
POB	70	0+00.00	231675.48	2166232.14		
			S 41°39'12" W			27.4021
PI	71	0+27.40	231655.01	2166213.92		
			N 49°27'04" W			20.0049
PI	72	0+47.41	231668.02	2166198.72		
			S 41°39'16" W			54.0429
PC	73	1+01.45	231627.64	2166162.81		
					70.00 LT	75.5390
PT	74	1+76.99	231556.97	2166149.40		
			N 86°44'33" E			21.3079
PC	75	1+98.30	231558.18	2166170.67		
					50.00 LT	57.6249
PT	76	2+55.92	231531.20	2166218.01		

GEOMETRICS

STATION & OFFSETS FOR CUL-DE-SAC CURB CENTER FROM MC30

Offset Point	Baseline Station	Offset		Northing	Easting
60	44+23.50	16.80	LT	231592.92	2166231.25
61	44+08.65	7.29	LT	231607.19	2166220.89
63	44+09.62	10.10	RT	231605.22	2166203.59
64	44+25.51	17.94	RT	231588.90	2166196.69
60	44+23.50	16.80	LT	231592.92	2166231.25

GEOMETRICS

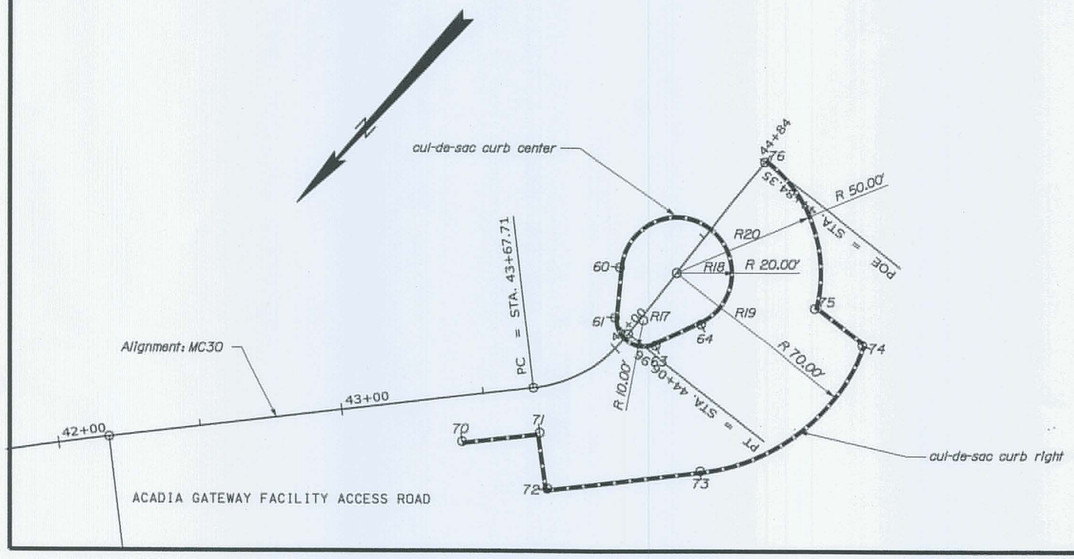
STATION & OFFSETS FOR CUL-DE-SAC CURB RIGHT FROM MC30

Offset Point	Baseline Station	Offset		Northing	Easting
70	43+40.59	16.00	RT	231675.48	2166232.14
71	43+67.93	16.00	RT	231655.01	2166213.92
72	43+68.10	36.00	RT	231668.02	2166198.72
73	43+96.04	51.93	RT	231627.64	2166162.81
74	44+54.64	67.00	RT	231556.97	2166149.40
75	44+54.67	45.69	RT	231558.18	2166170.67
76	44+84.35	0.00		231531.20	2166218.01

GEOMETRICS

STATION & OFFSETS FOR CURVE CENTERS FROM MC30

Offset Point	Baseline Station	Offset		Northing	Easting	Radius
R17	44+14.05	1.13	RT	231601.32	2166212.80	10.00 FT
R18	44+34.36	0.00		231581.11	2166215.11	20.00 FT
R19	44+34.35	0.00		231581.11	2166215.11	70.00 FT
R20	44+34.36	0.00		231581.11	2166215.11	50.00 FT



STATE OF MAINE
DEPARTMENT OF TRANSPORTATION

PIN
16123.50

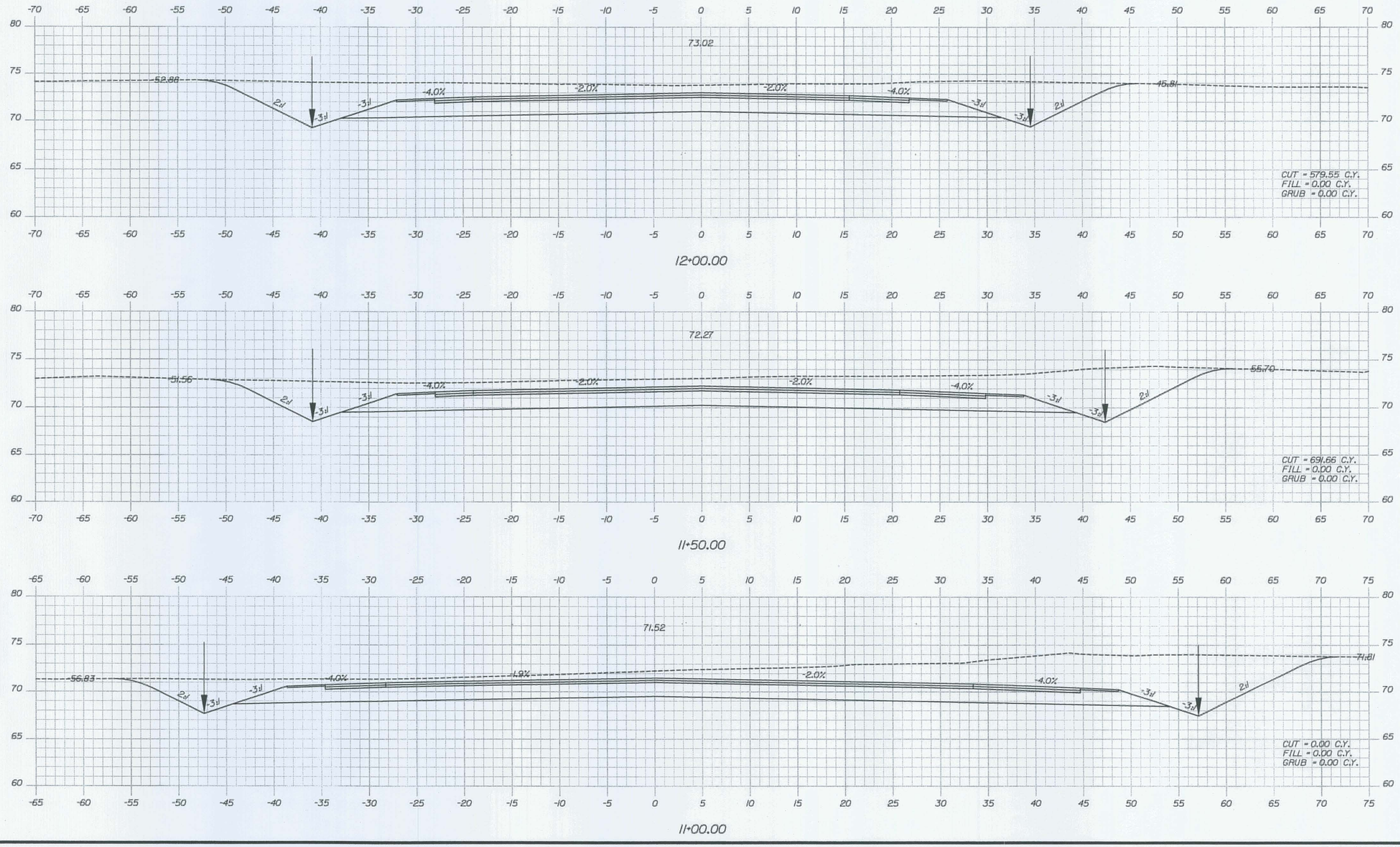
HIGHWAY PLANS

PROJ. MANAGER	J. KITTREDGE		
DESIGN-DETAILED	J. COFFIN	BY	DATE
CHECKED-REVIEWED	J. COFFIN	-----	-----
DESIGN-DETAILED	-----	-----	-----
DESIGN-DETAILED	-----	SIGNATURE	
REVISIONS 1		60% REVIEW - JAN 2009	01-08-09
REVISIONS 2		90% REVIEW - FEB 2009	02-25-09
REVISIONS 3		ISSUED FOR RFD	05-28-09
REVISIONS 4		P.E. NUMBER	DATE
FIELD CHANGES		-----	-----

ACADIA GATEWAY FACILITY
BUS MAINTENANCE FACILITY

GEOMETRICS AND CURB LAYOUT

SHEET NUMBER
C-19
OF 63



Sta. 11+00.00 to Sta. 12+00.00

STATE OF MAINE
DEPARTMENT OF TRANSPORTATION

PIN
16123.50

HIGHWAY PLANS

	BY	DATE
PROJ. MANAGER	J. KITTREDGE	
DESIGN-DETAILED	J. COFFIN	
CHECKED-REVIEWED		
DESIGN2-DETAILED2		
DESIGN3-DETAILED3		
REVISIONS 1	60% REVIEW - JAN 2009	01-08-09
REVISIONS 2	90% REVIEW - FEB 2009	02-12-09
REVISIONS 3	ISSUED FOR BID	05-28-09
REVISIONS 4		
FIELD CHANGES		

SIGNATURE

P.E. NUMBER

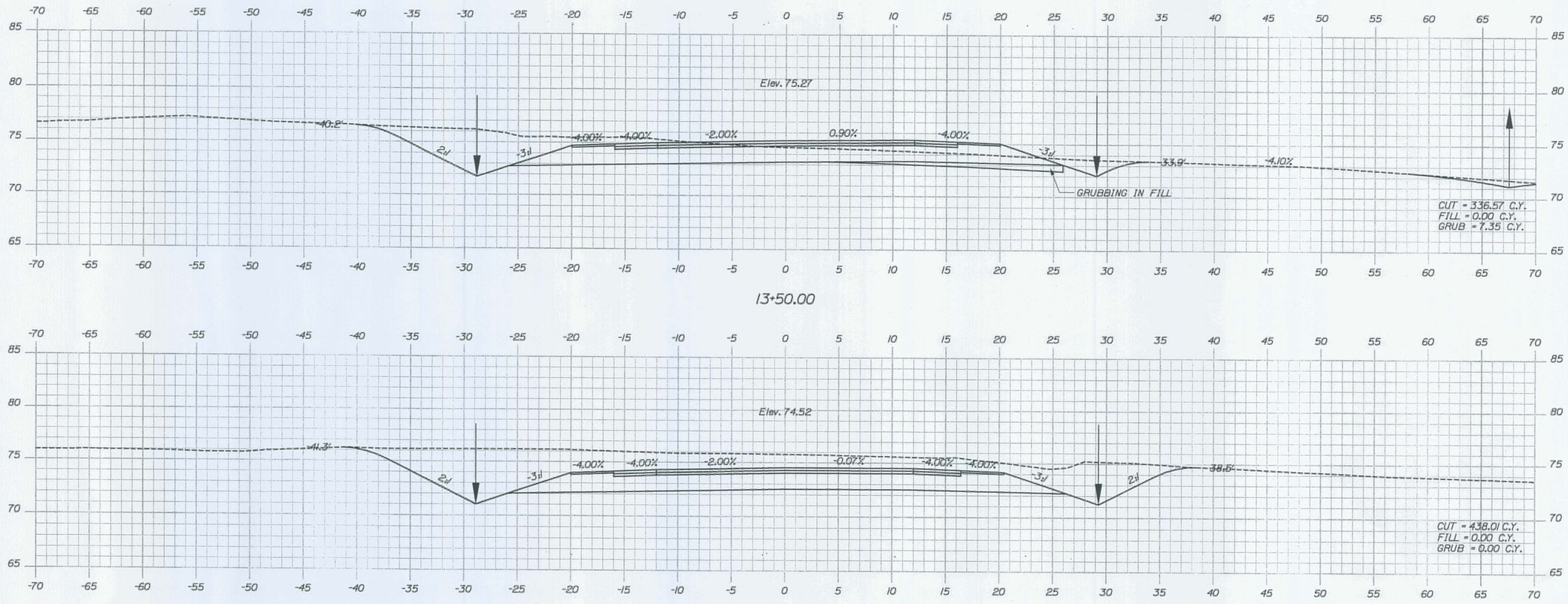
DATE

ACADIA GATEWAY FACILITY
BUS MAINTENANCE FACILITY

CROSS SECTIONS

SHEET NUMBER
C-20
OF 63

Filename: ...\msla\020_XSECT_11+00_034.dgn Username: Jeffrey.Veilleux Date:9/10/2009 Division: HIGHWAY



13+50.00

13+00.00

12+50.00

Sta. 12+50.00 to Sta. 13+50.00

STATE OF MAINE
DEPARTMENT OF TRANSPORTATION

PIN
16123.50

HIGHWAY PLANS

PROJ. MANAGER	J. KITTREDGE		
DESIGN-DETAILED	J. COFFIN		
CHECKED-REVIEWED	J. COFFIN		
DESIGN2-DETAILED3	-----	-----	-----
DESIGN3-DETAILED3	-----	-----	-----
REVISIONS 1	60% REVIEW - JAN 2009	J. COFFIN	01-08-09
REVISIONS 2	90% REVIEW - FEB 2009	J. COFFIN	02-12-09
REVISIONS 3	ISSUED FOR BID	J. COFFIN	05-28-09
REVISIONS 4	-----	-----	-----
FIELD CHANGES	-----	-----	-----

SIGNATURE

P.E. NUMBER

DATE

ACADIA GATEWAY FACILITY
BUS MAINTENANCE FACILITY

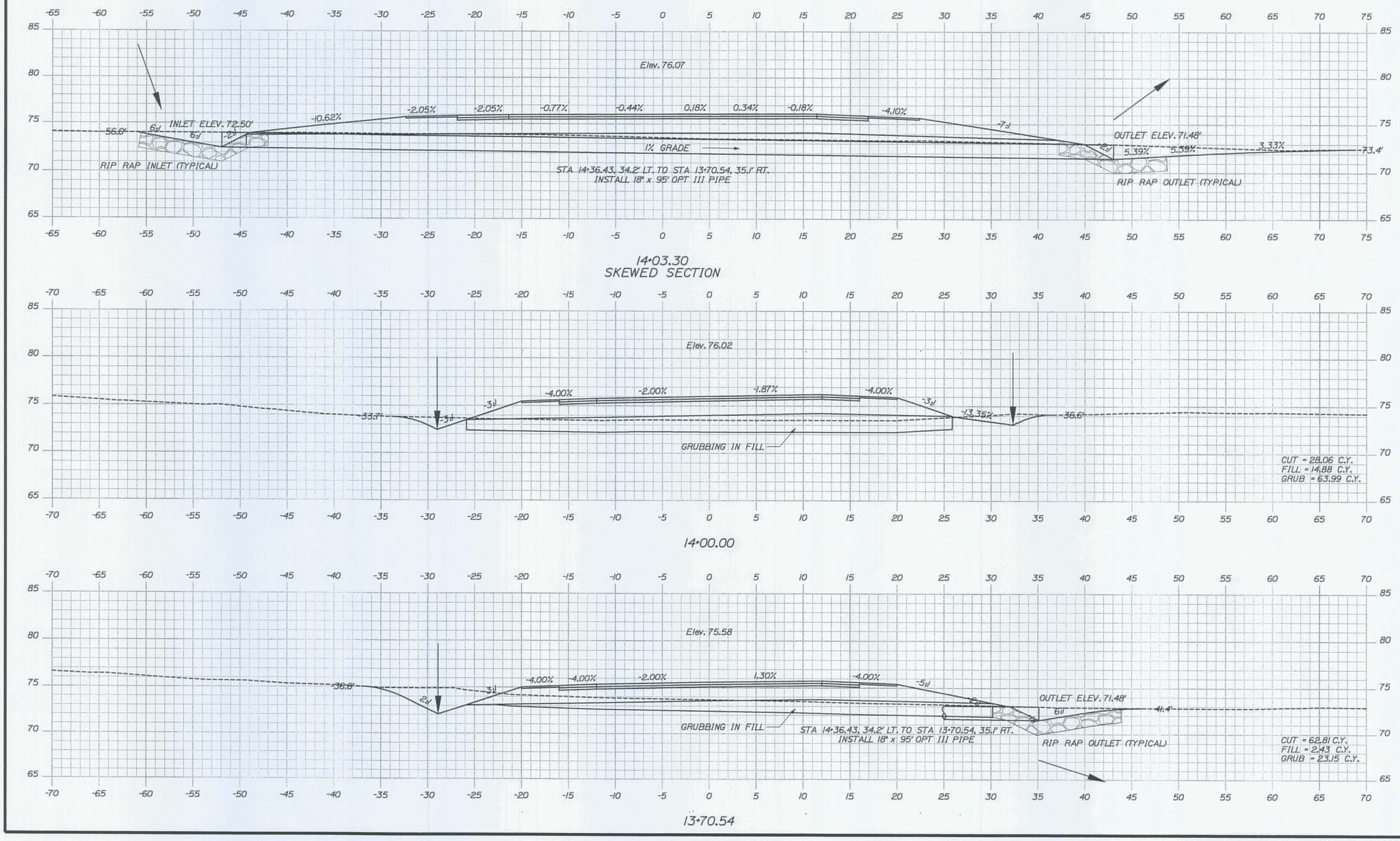
CROSS SECTIONS

SHEET NUMBER

C - 21

OF 63

Filename: ...\msta\021_XSECT_12+50_001.dgn Division: HIGHWAY Username: Jeffrey.Valleux Date:9/10/2009



STATE OF MAINE
DEPARTMENT OF TRANSPORTATION

PIN
16123.50

HIGHWAY PLANS

PROJ. MANAGER	J. KITTREDGE		
DESIGN-DETAILED	J.L. COFFIN	BY	DATE
CHECKED-REVIEWED	J.L. COFFIN	J. COFFIN	
DESIGN-DETAILED2	-----	-----	-----
DESIGN-DETAILED3	-----	-----	-----
REVISIONS 1	60%	REVIEW - JAN 2009	01-08-09
REVISIONS 2	90%	REVIEW - FEB 2009	02-12-09
REVISIONS 3	ISSUED FOR BID		05-28-09
REVISIONS 4	-----	-----	-----
FIELD CHANGES	-----	-----	-----

SIGNATURE

P.E. NUMBER

DATE

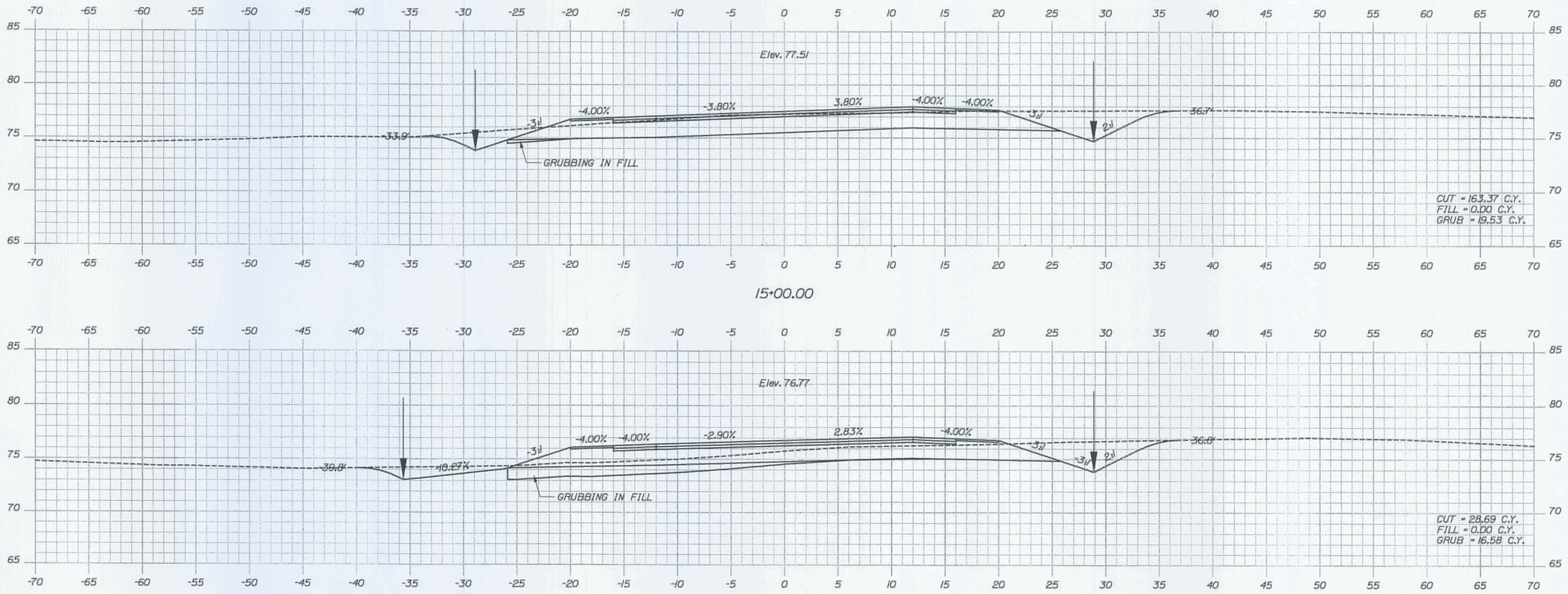
ACADIA GATEWAY FACILITY
BUS MAINTENANCE FACILITY

CROSS SECTIONS

SHEET NUMBER
C - 22
OF 63

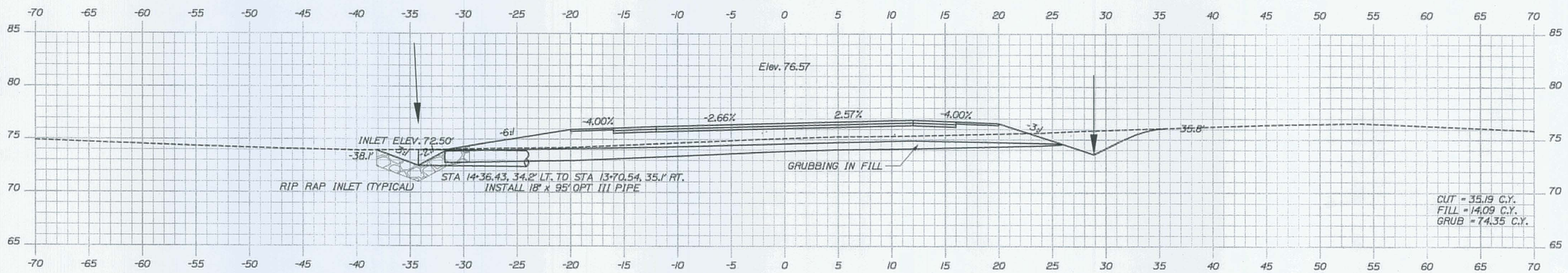
Sta. 13+70.54 to Sta. 14+03.30

Filename: ...\msta\022_XSECT_13+70_002.dgn Username: Jeffrey.Velleux Date:9/10/2009 Division: HIGHWAY



15+00.00

14+50.00



14+36.43

STATE OF MAINE
DEPARTMENT OF TRANSPORTATION

PIN
16123.50

HIGHWAY PLANS

PROJ. MANAGER	J. KITTREDGE	BY	DATE
DESIGN-DETAILED	L. COFFIN	J. COFFIN	
CHECKED-REVIEWED	L. COFFIN	-----	-----
DESIGN2-DETAILED2	-----	-----	-----
DESIGN3-DETAILED3	-----	-----	-----
REVISIONS 1	60% REVIEW - JAN 2009		01-08-09
REVISIONS 2	90% REVIEW - FEB 2009		02-12-09
REVISIONS 3	ISSUED FOR BID		05-28-09
REVISIONS 4	-----	-----	-----
FIELD CHANGES	-----	-----	-----

SIGNATURE

P.E. NUMBER

DATE

ACADIA GATEWAY FACILITY
BUS MAINTENANCE FACILITY

CROSS SECTIONS

SHEET NUMBER
C - 23
OF 63

Sta. 14+36.43 to Sta. 15+00.00

Filename: ...\msta\023_XSECT_14+36_003.dgn Division: HIGHWAY Username: Jeffrey.Valleux Date:9/10/2009

Username: Jeffrey.Veilleux Date:9/10/2009
Filename: ...\msta\024_XSECT_15+50_004.dgn Division: HIGHWAY

STATE OF MAINE
DEPARTMENT OF TRANSPORTATION

PIN
16123.50

HIGHWAY PLANS

		BY	DATE
PROJ. MANAGER	J. KITTREDGE		
DESIGN-DETAILED	J. COFFIN	J. COFFIN	-----
CHECKED-REVIEWED	J. COFFIN	-----	-----
DESIGN-DETAILED2	-----	-----	-----
DESIGN-DETAILED3	-----	-----	-----
REVISIONS 1	-----	60% REVIEW - JAN 2009	01-08-09
REVISIONS 2	-----	90% REVIEW - FEB 2009	02-12-09
REVISIONS 3	-----	ISSUED FOR BID	05-28-09
REVISIONS 4	-----	-----	-----
FIELD CHANGES	-----	-----	-----

SIGNATURE

P.E. NUMBER

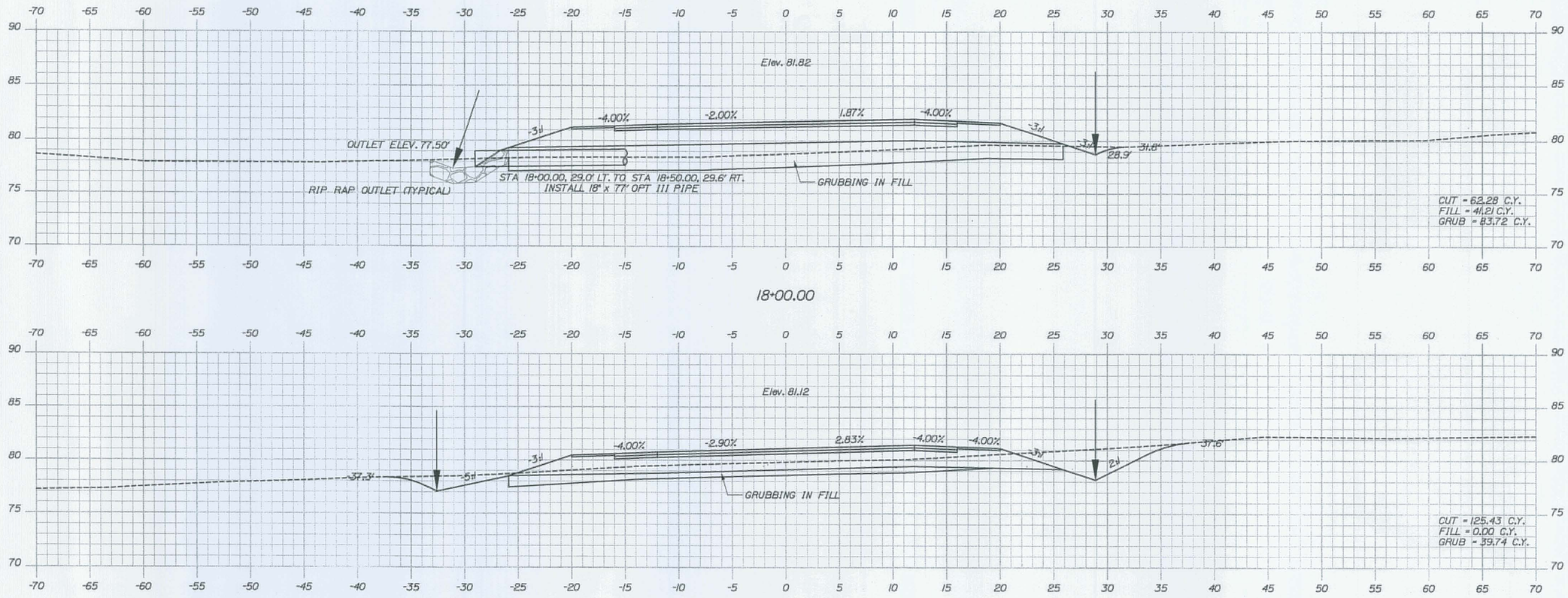
DATE

ACADIA GATEWAY FACILITY
BUS MAINTENANCE FACILITY

CROSS SECTIONS

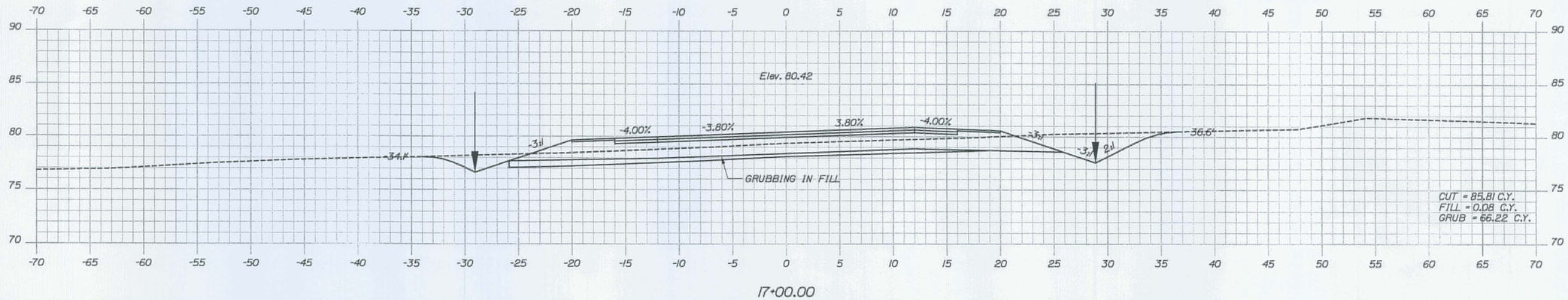
SHEET NUMBER
C-24
OF 63

Sta. 15+50.00 to Sta. 16+50.00



18+00.00

17+50.00



17+00.00

STATE OF MAINE
DEPARTMENT OF TRANSPORTATION

PIN
16123.50

HIGHWAY PLANS

PROJ. MANAGER	J. KITTREDGE	BY	DATE
DESIGN-DETAILED	J. COFFIN	J. COFFIN	
CHECKED-REVIEWED	J. COFFIN	-----	-----
DESIGN-DETAILED2	-----	-----	-----
DESIGN-DETAILED3	-----	-----	-----
REVISIONS 1	60% REVIEW - JAN 2009		01-08-09
REVISIONS 2	90% REVIEW - FEB 2009		02-12-09
REVISIONS 3	ISSUED FOR BID		05-28-09
REVISIONS 4	-----	-----	-----
FIELD CHANGES	-----	-----	-----

SIGNATURE

P.E. NUMBER

DATE

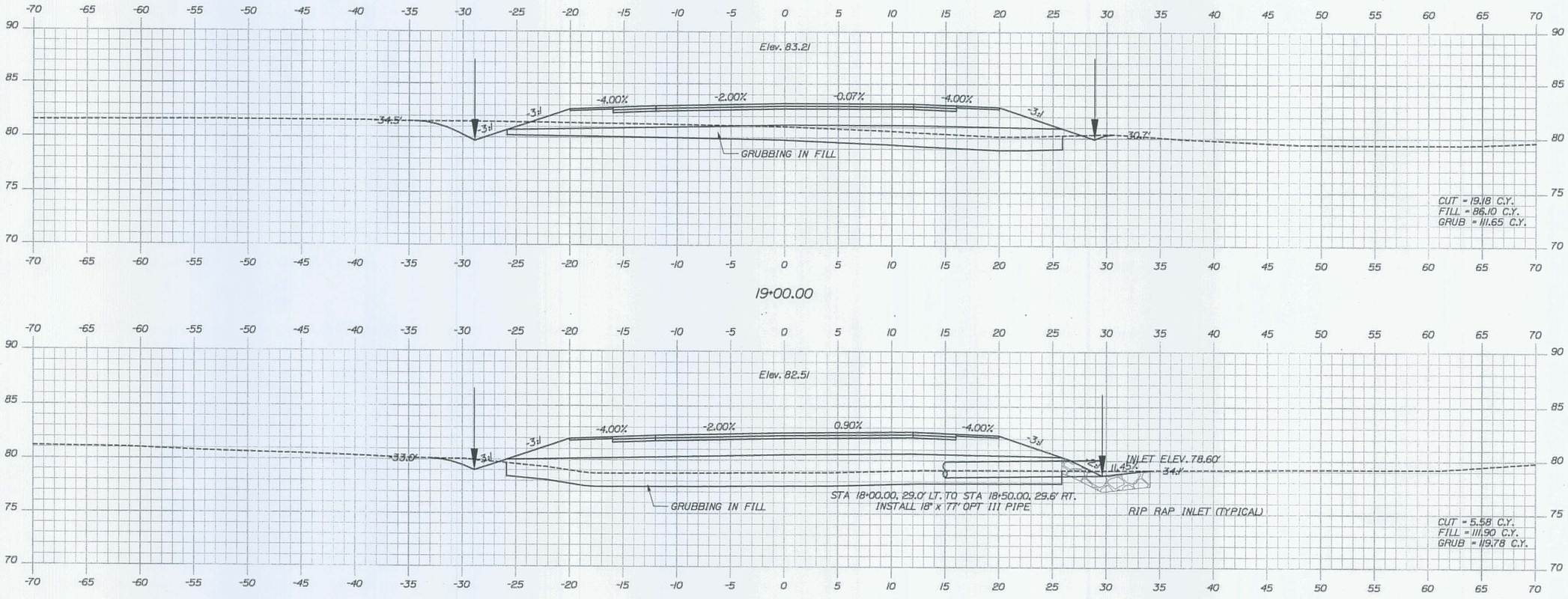
ACADIA GATEWAY FACILITY
BUS MAINTENANCE FACILITY

CROSS SECTIONS

SHEET NUMBER
C-25
OF 63

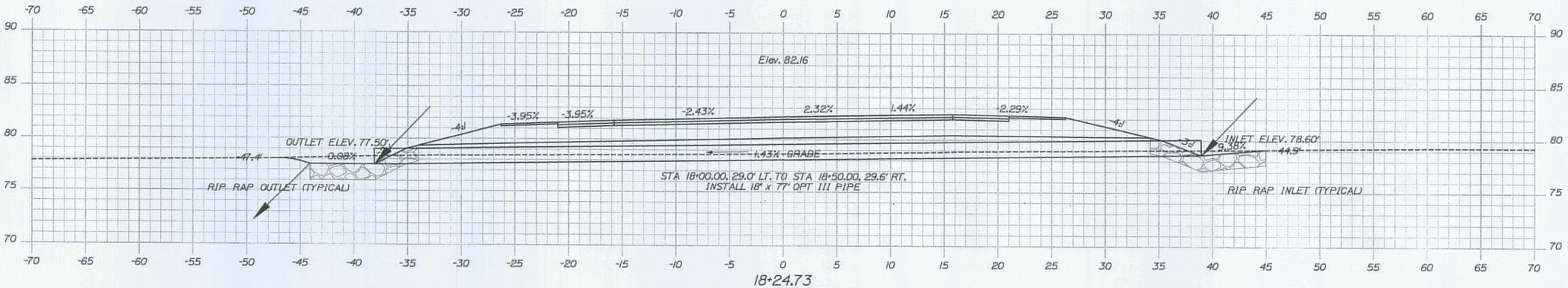
Sta. 17+00.00 to Sta. 18+00.00

Filename: ...\mstat\025_XSECT_17+00_005.dgn Username: Jeffrey.Veilleux Date:9/10/2009 Division: HIGHWAY



19+00.00

18+50.00



18+24.73
SKEWED SECTION

Sta. 18+24.73 to Sta. 19+00.00

STATE OF MAINE
DEPARTMENT OF TRANSPORTATION

PIN
16123.50

HIGHWAY PLANS

		BY	DATE
PROJ. MANAGER	J. MITREDGE		
DESIGN-DETAILED	J. COFFIN	J. COFFIN	
CHECKED-REVIEWED	-----	-----	SIGNATURE
DESIGN2-DETAILED2	-----	-----	
DESIGN3-DETAILED3	-----	-----	P.E. NUMBER
REVISIONS 1	60% REVIEW - JAN 2009		01-08-09
REVISIONS 2	90% REVIEW - FEB 2009		02-12-09
REVISIONS 3	ISSUED FOR BID		05-28-09
REVISIONS 4	-----		DATE
FIELD CHANGES	-----		-----

ACADIA GATEWAY FACILITY
BUS MAINTENANCE FACILITY

CROSS SECTIONS

SHEET NUMBER
C-26
OF 63

Filename: ...\msta\026_XSECT_18+24_006.dgn Username: Jeffrey.Valleux Date:9/10/2009 Division: HIGHWAY

20+50.00

20+00.00

19+50.00

Sta. 19+50.00 to Sta. 20+50.00

STATE OF MAINE
DEPARTMENT OF TRANSPORTATION

PIN
16123.50
HIGHWAY PLANS

PROJ MANAGER	J. KITTREDGE	BY	DATE
DESIGN-DETAILED	J. COFFIN	-----	-----
CHECKED-REVIEWED	-----	-----	-----
DESIGN-SET ALEGS	-----	-----	-----
REVISIONS 1	60% REVIEW - JAN 2009		01-08-09
REVISIONS 2	90% REVIEW - FEB 2009		02-12-09
REVISIONS 3	ISSUED FOR BID		05-28-09
REVISIONS 4	-----	-----	-----
FIELD CHANGES	-----	-----	-----

SIGNATURE

P.E. NUMBER

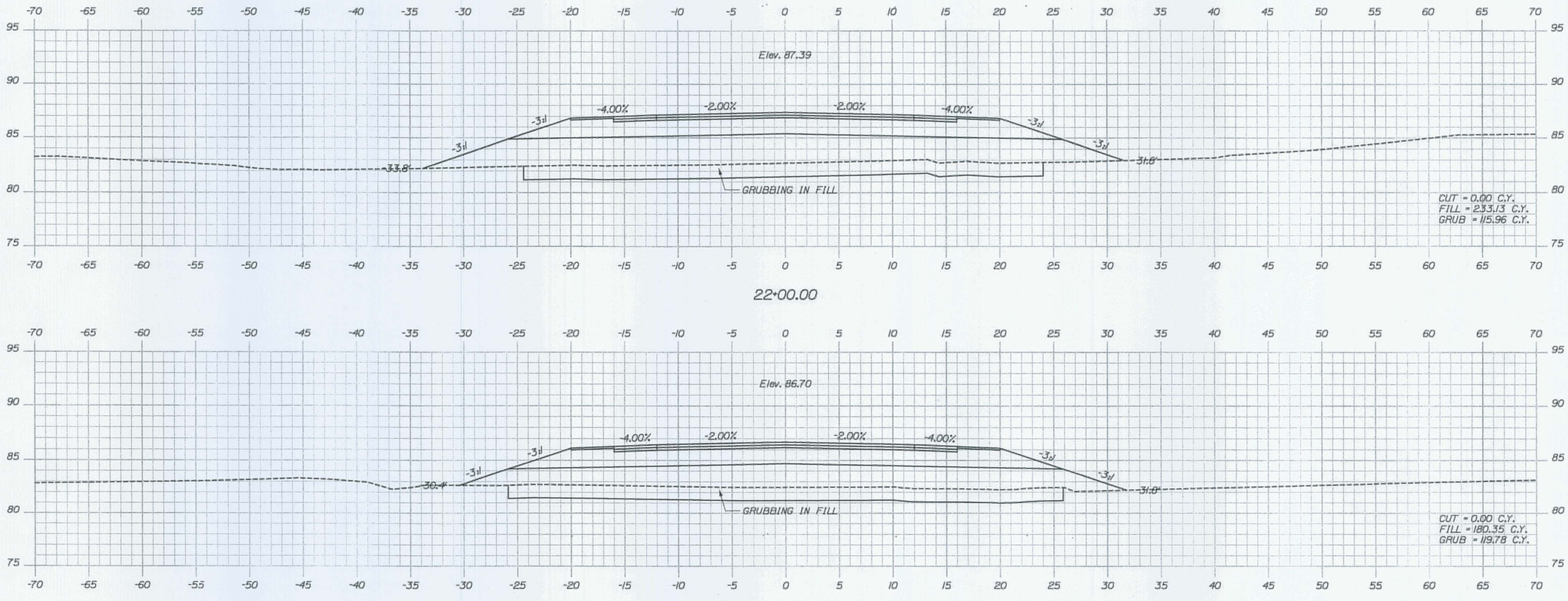
DATE

ACADIA GATEWAY FACILITY
BUS MAINTENANCE FACILITY

CROSS SECTIONS

SHEET NUMBER
C-27
OF 63

Username: Jeffrey.Veilleux Date:9/10/2009
Division: HIGHWAY
Filename: ...\msts\027_XSECT_19+50_007.dgn



22+00.00

21+50.00

21+00.00

Sta. 21+00.00 to Sta. 22+00.00

STATE OF MAINE
DEPARTMENT OF TRANSPORTATION

PIN
16123.50

HIGHWAY PLANS

PROJ. MANAGER	J. KITTREDGE		
DESIGN-DETAILED	J. COFFIN	BY	DATE
CHECKED-REVIEWED	------	------	------
DESIGNS-DETAILED2	------	------	------
DESIGNS-DETAILED3	------	------	------
REVISIONS 1	60% REVIEW	JAN 2009	01-08-09
REVISIONS 2	90% REVIEW	FEB 2009	02-12-09
REVISIONS 3	ISSUED FOR BID		05-28-09
REVISIONS 4	------	------	------
FIELD CHANGES	------	------	------

SIGNATURE

P.E. NUMBER

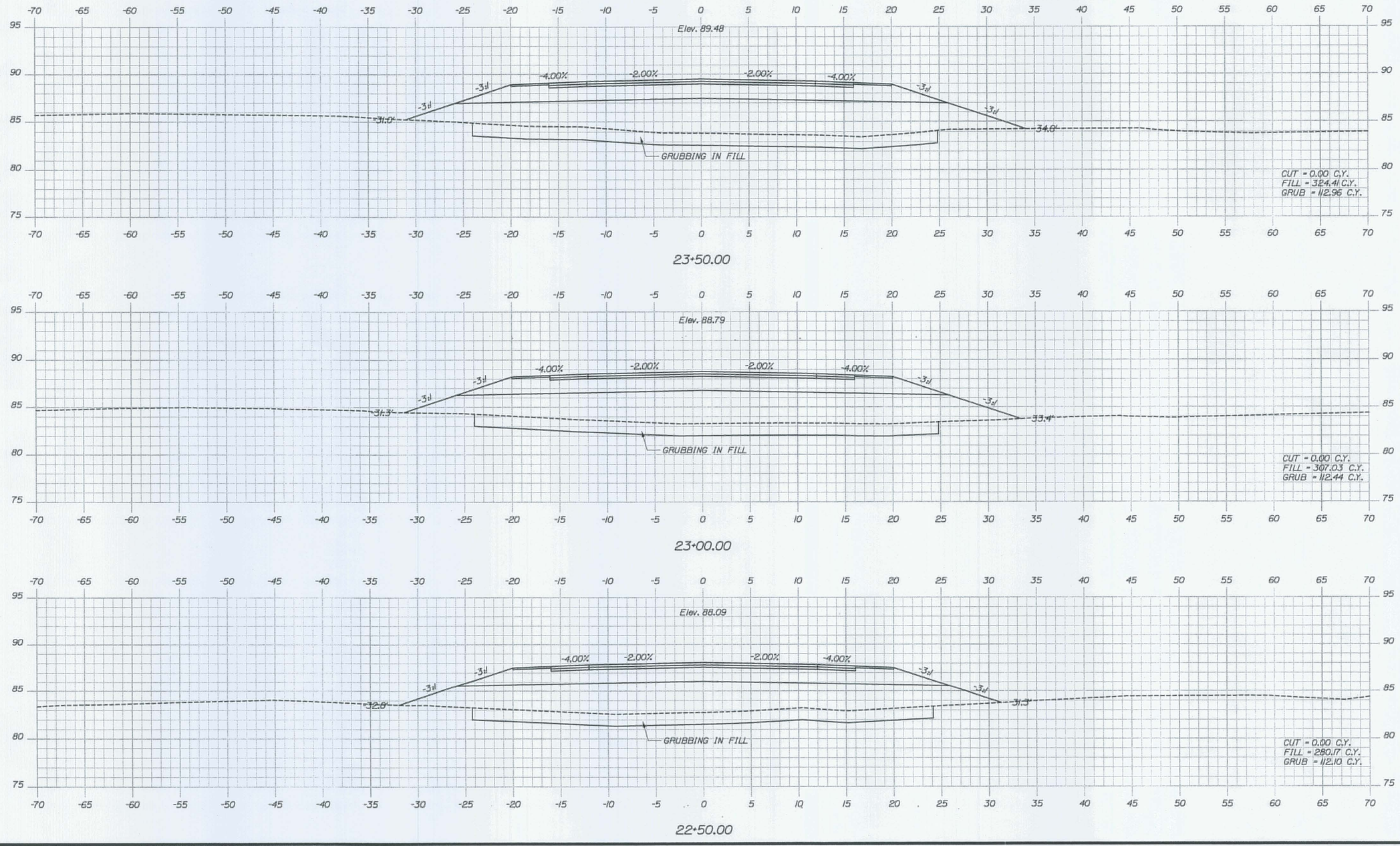
DATE

ACADIA GATEWAY FACILITY
BUS MAINTENANCE FACILITY

CROSS SECTIONS

SHEET NUMBER
C-28
OF 63

Filename: ...\mst\a\02B_XSECT_21+00_008.dgn Division: HIGHWAY Username: Jeffrey.Veilleux Date:9/10/2009



Filename: ...\msta\029_XSECT_22+50_009.dgn Division: HIGHWAY Username: Jeffrey.Veilleux Date:9/10/2009

STATE OF MAINE
DEPARTMENT OF TRANSPORTATION

PIN
16123.50

HIGHWAY PLANS

PROJ. MANAGER	J. KITTREDGE		
DESIGN-DETAILED	J. COFFIN	-----	-----
CHECKED-REVIEWED	J. COFFIN	-----	-----
DESIGN2-DETAILED2	-----	-----	-----
DESIGN3-DETAILED3	-----	-----	-----
REVISIONS 1	60% REVIEW - JAN 2009		01-06-09
REVISIONS 2	90% REVIEW - FEB 2009		02-12-09
REVISIONS 3	ISSUED FOR BID		05-28-09
REVISIONS 4	-----	-----	-----
FIELD CHANGES	-----	-----	-----

SIGNATURE

P.E. NUMBER

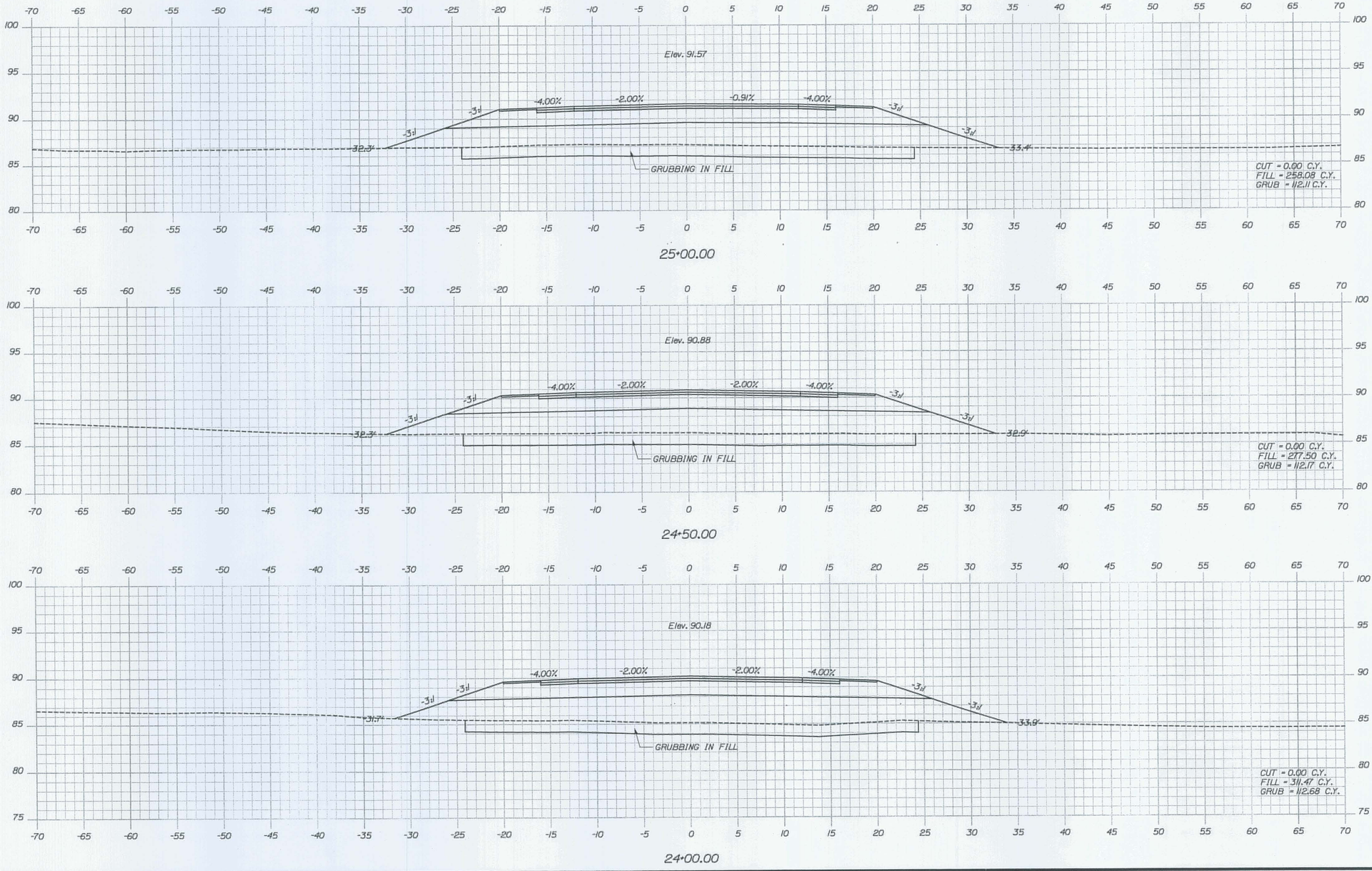
DATE

ACADIA GATEWAY FACILITY
BUS MAINTENANCE FACILITY

CROSS SECTIONS

SHEET NUMBER
C-29
OF 63

Sta. 22+50.00 to Sta. 23+50.00



Sta. 24+00.00 to Sta. 25+00.00

STATE OF MAINE
DEPARTMENT OF TRANSPORTATION

PIN
16123.50

HIGHWAY PLANS

PROJ. MANAGER	J. MITTREDGE		
DESIGN DETAILED	J. COFFIN	BY	DATE
DRAWN / REVISED	J. COFFIN	-----	-----
DESIGN DETAILS CHECKED	-----	-----	-----
REVISIONS 1	60% REVIEW - JAN 2009	J. COFFIN	01-08-09
REVISIONS 2	90% REVIEW - FEB 2009	J. COFFIN	02-12-09
REVISIONS 3	ISSUED FOR BID	-----	05-28-09
REVISIONS 4	-----	-----	-----
FIELD CHANGES	-----	-----	-----

SIGNATURE

P.E. NUMBER

DATE

ACADIA GATEWAY FACILITY
BUS MAINTENANCE FACILITY

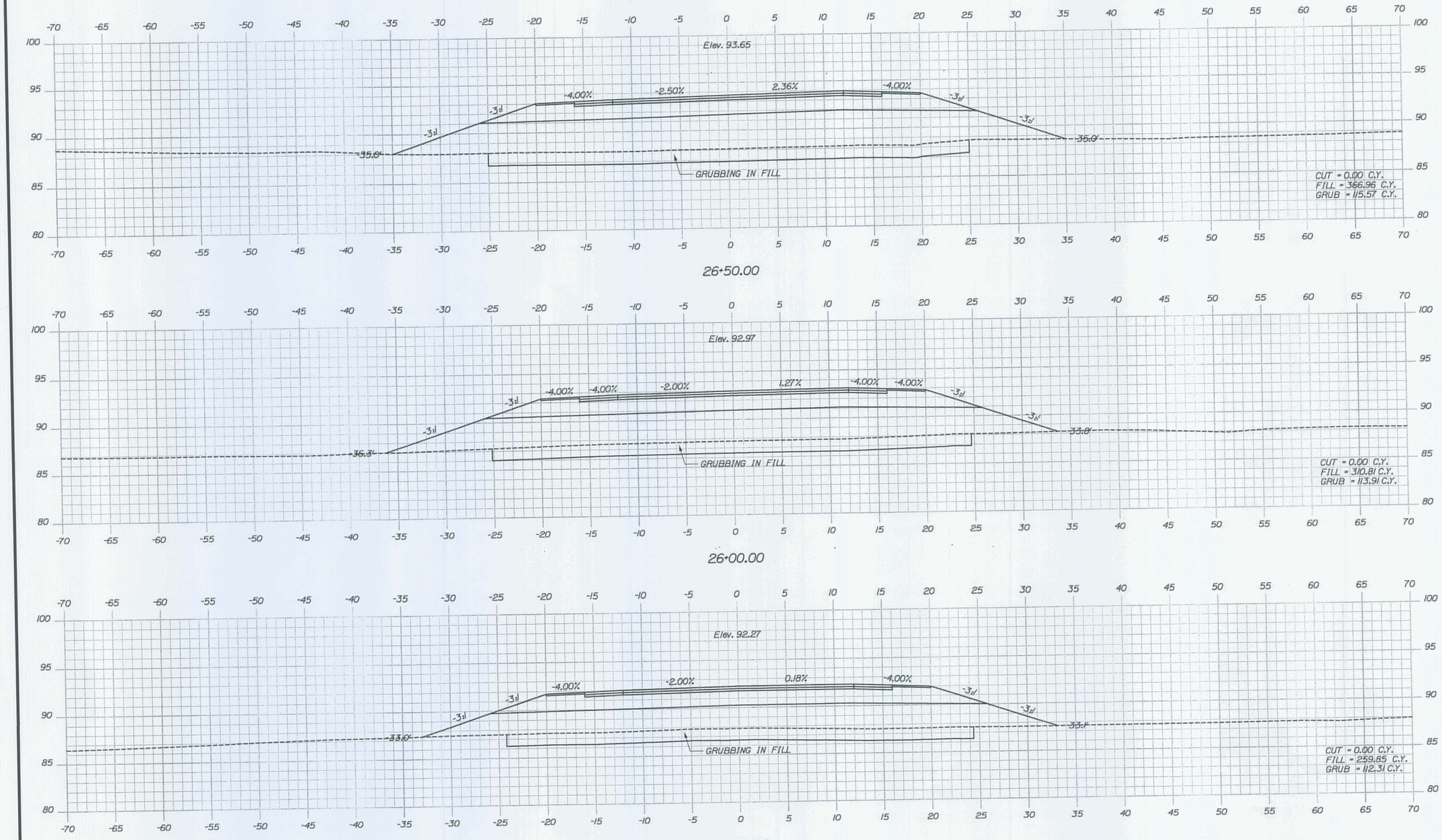
CROSS SECTIONS

SHEET NUMBER

C-30

OF 63

Filename: ...\msta\030_XSECT_24+00_010.dgn Username: Jeffrey.Veilleux Date:9/10/2009 Division: HIGHWAY



Sta. 25+50.00 to Sta. 26+50.00

Filename: ...\msta\031_XSECT_25+50_011.dgn Division: HIGHWAY Username: Jeffrey.Veilleux Date:9/10/2009

STATE OF MAINE
DEPARTMENT OF TRANSPORTATION

PIN
16123.50

HIGHWAY PLANS

PROJ. MANAGER	J. KITTREDGE	BY	DATE
DESIGN DETAILED	J. COFFIN	J. COFFIN	
CHECKED / REVIEWED	J. COFFIN		SIGNATURE
DESIGN DETAILED			
REVISIONS 1	607 REVIEW - JAN 2009		01-08-09
REVISIONS 2	907 REVIEW - FEB 2009		02-12-09
REVISIONS 3	ISSUED FOR BID		05-28-09
REVISIONS 4			DATE
FIELD CHANGES			

P.E. NUMBER

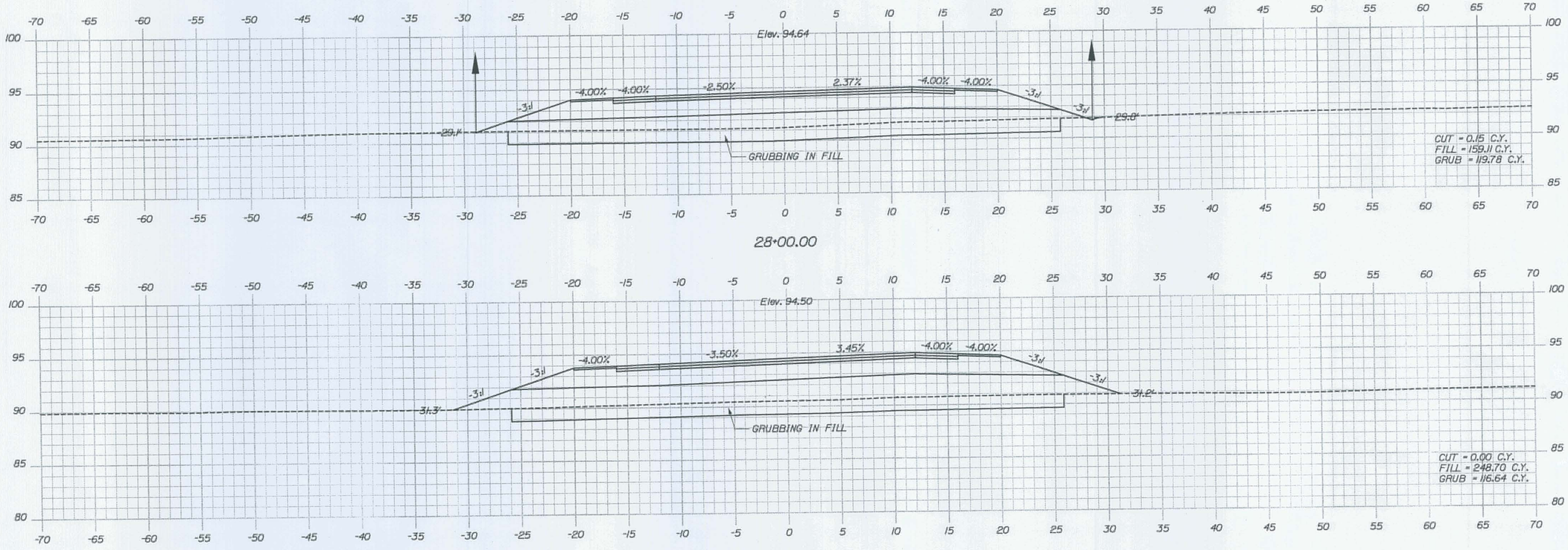
ACADIA GATEWAY FACILITY
BUS MAINTENANCE FACILITY

CROSS SECTIONS

SHEET NUMBER

C-31

OF 63



Sta. 27+00.00 to Sta. 28+00.00

Filename: ...\msta\032_XSECT_27+00_012.dgn Division: HIGHWAY Username: Jeffrey.Veilleux Date:9/10/2009

STATE OF MAINE
DEPARTMENT OF TRANSPORTATION

PIN
16123.50

HIGHWAY PLANS

		BY	DATE
PROJ. MANAGER	J. KITTREDGE		
DESIGN-DETAILED	J. COFFIN	J. COFFIN	
CHECKED-REVIEWED			
DESIGN1-DETAILED2			
DESIGN2-DETAILED3			
REVISIONS 1	60% REVIEW - JAN 2009		01-08-09
REVISIONS 2	90% REVIEW - FEB 2009		02-12-09
REVISIONS 3	ISSUED FOR BID		05-28-09
REVISIONS 4			
FIELD CHANGES			

SIGNATURE

P.E. NUMBER

DATE

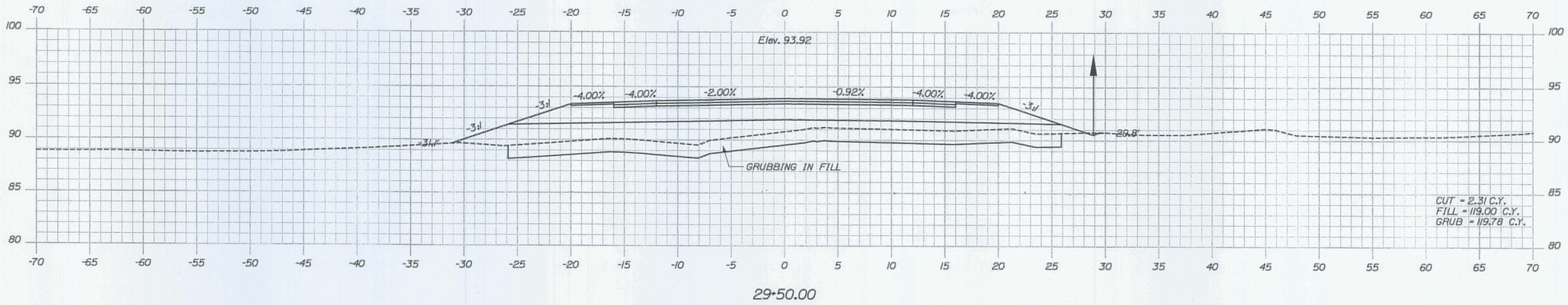
ACADIA GATEWAY FACILITY
BUS MAINTENANCE FACILITY

CROSS SECTIONS

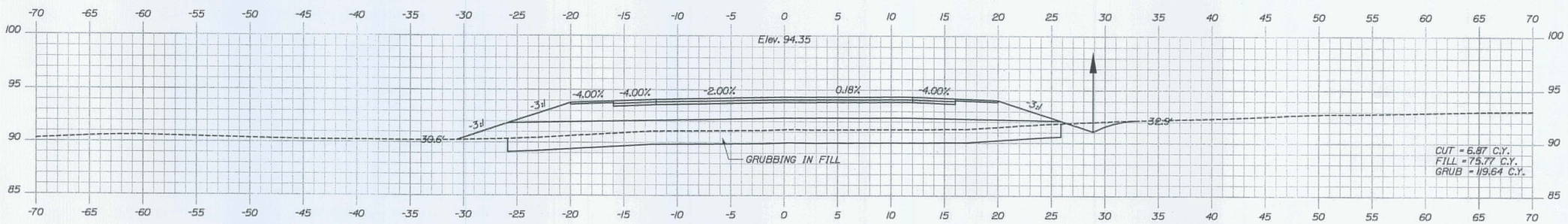
SHEET NUMBER

C-32

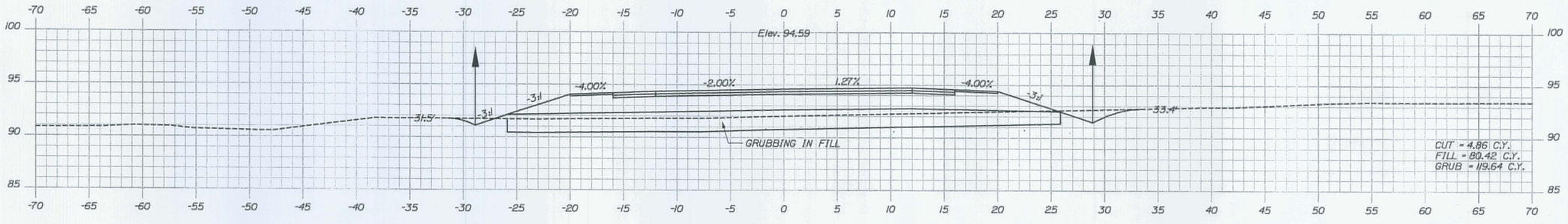
OF 63



29+50.00



29+00.00



28+50.00

Sta. 28+50.00 to Sta. 29+50.00

STATE OF MAINE
DEPARTMENT OF TRANSPORTATION

PIN
16123.50

HIGHWAY PLANS

PROJ. MANAGER	J. KITTREDGE		
DESIGN-DETAILED	J. COFFIN	BY	DATE
CHECKED-REVIEWED	------	------	------
DESIGN2-DETAILED2	------	------	------
DESIGN3-DETAILED3	------	------	------
REVISIONS 1	60% REVIEW - JAN 2009	J. COFFIN	01-08-09
REVISIONS 2	90% REVIEW - FEB 2009	------	02-12-09
REVISIONS 3	ISSUED FOR BID	------	05-28-09
REVISIONS 4	------	------	------
FIELD CHANGES	------	------	------

SIGNATURE

P.E. NUMBER

DATE

ACADIA GATEWAY FACILITY
BUS MAINTENANCE FACILITY

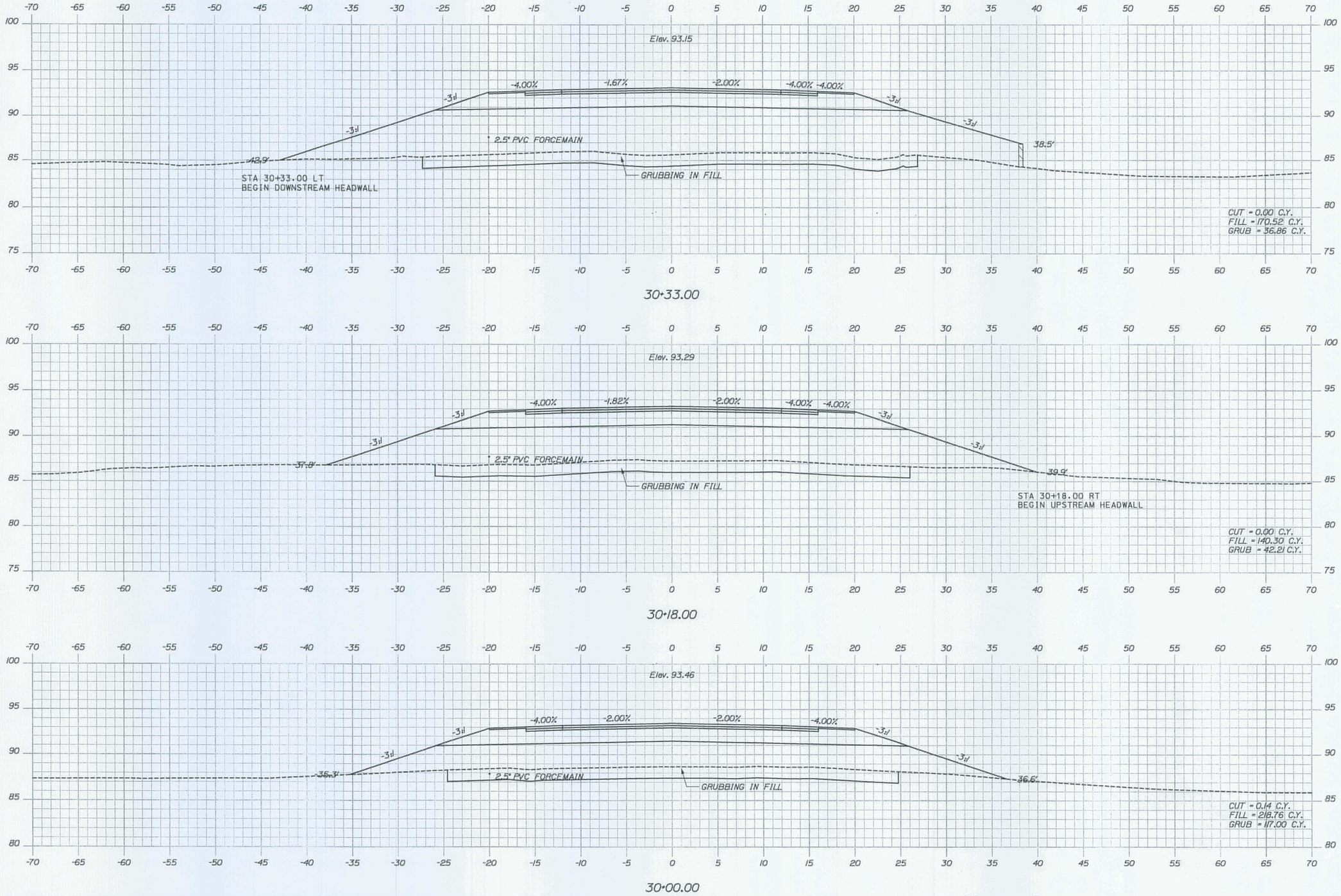
CROSS SECTIONS

SHEET NUMBER

C-33

OF 63

Filename: ...\msta\033_XSECT_28+50_013.dgn Division: HIGHWAY Username: Jeffrey.Veilleux Date:9/10/2009



Sta. 30+00.00 to Sta. 30+33.00

STATE OF MAINE
DEPARTMENT OF TRANSPORTATION

PIN
16123.50

HIGHWAY PLANS

PROJ. MANAGER	J. MITTREDGE		
DESIGN-DETAILED	J. COFFIN	BY	DATE
CHECKED-REVIEWED			
DESIGN-DETAILED			
CHECKED-REVIEWED			
REVISIONS 1	60% REVIEW - JAN 2009		01-08-09
REVISIONS 2	90% REVIEW - FEB 2009		02-12-09
REVISIONS 3	ISSUED FOR BID		05-28-09
REVISIONS 4			
FIELD CHANGES			

SIGNATURE

P.E. NUMBER

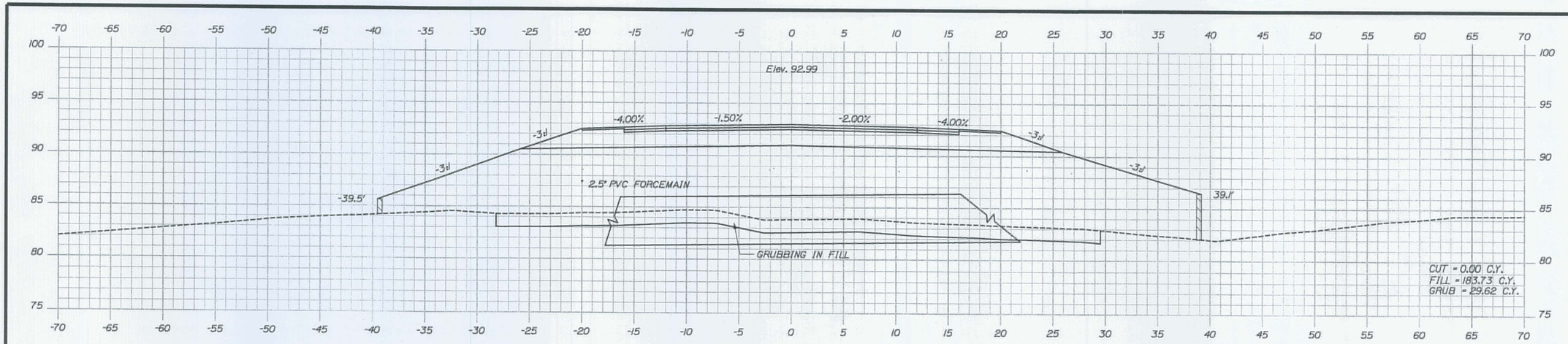
DATE

ACADIA GATEWAY FACILITY
BUS MAINTENANCE FACILITY

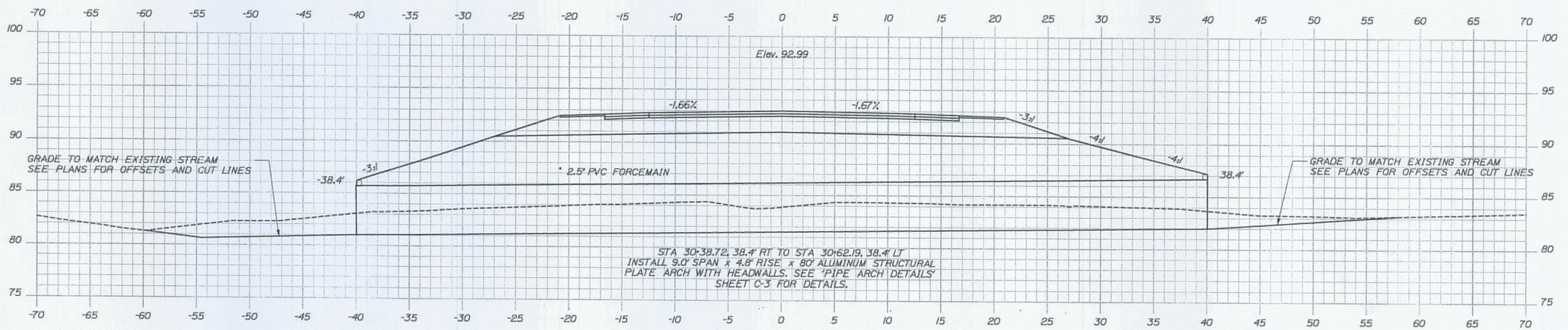
CROSS SECTIONS

SHEET NUMBER
C-34
OF 63

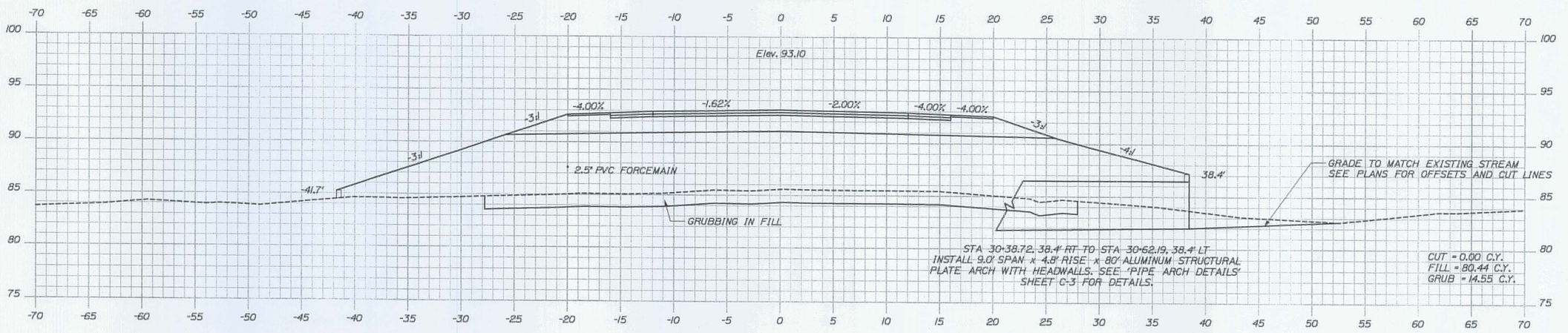
Username: Jeffrey.Veilleux Date:9/10/2009
Division: HIGHWAY
Filename: ...\mslc\034_XSECT_30-00_014.dgn



30+50.00



30+50.61
SKEWED SECTION



30+38.72

STATE OF MAINE
DEPARTMENT OF TRANSPORTATION

PIN
16123.50

HIGHWAY PLANS

PROJ. MANAGER	J. KITTREDGE	BY	DATE
DESIGN-DETAILED	J. COFFIN		
CHECKED-REVIEWED	J. COFFIN		
DESIGN2-DETAILED2			
DESIGN3-DETAILED3			
REVISIONS 1	60% REVIEW - JAN 2009	J. COFFIN	01-08-09
REVISIONS 2	90% REVIEW - FEB 2009		02-12-09
REVISIONS 3	ISSUED FOR BID		05-28-09
REVISIONS 4			
FIELD CHANGES			

P.E. NUMBER

SIGNATURE

DATE

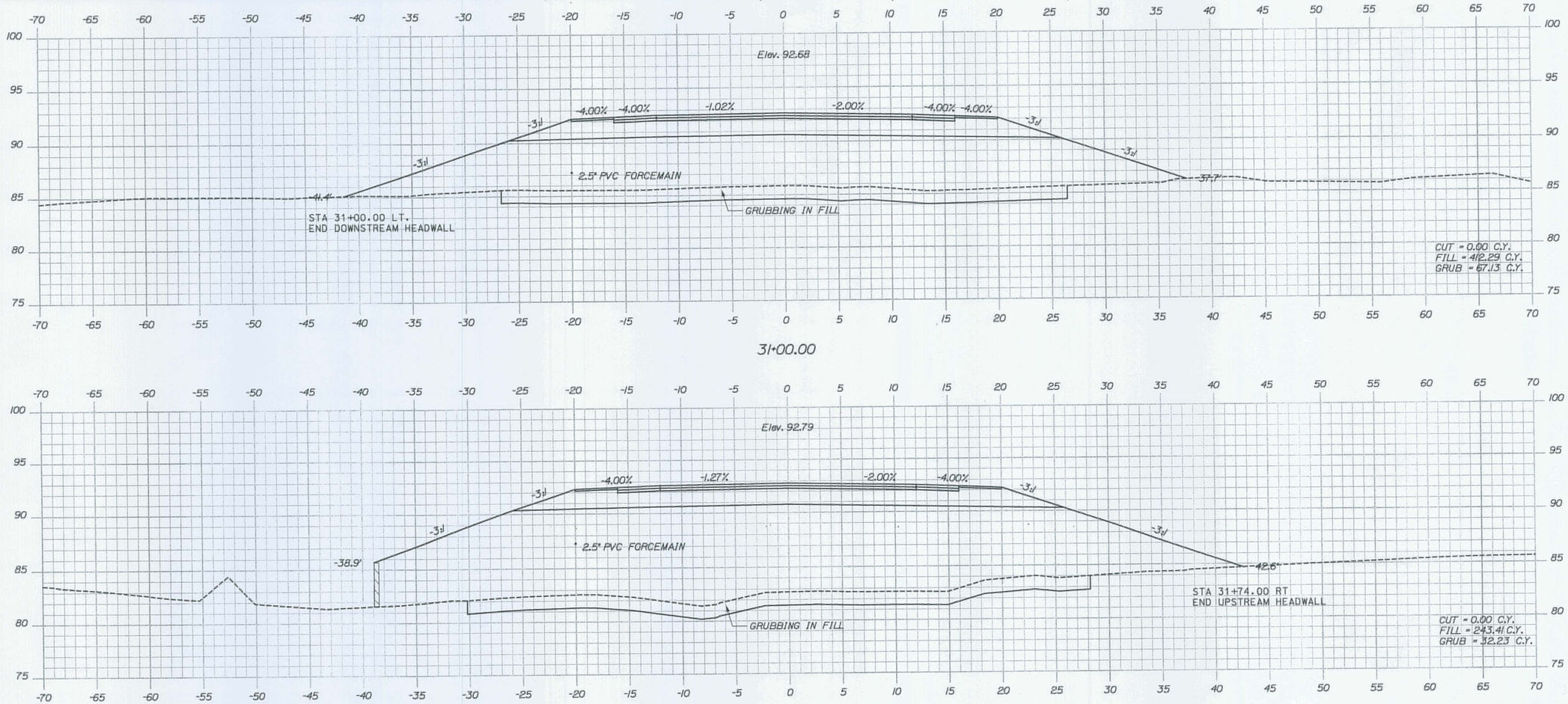
ACADIA GATEWAY FACILITY
BUS MAINTENANCE FACILITY

CROSS SECTIONS

SHEET NUMBER
C-35
OF 63

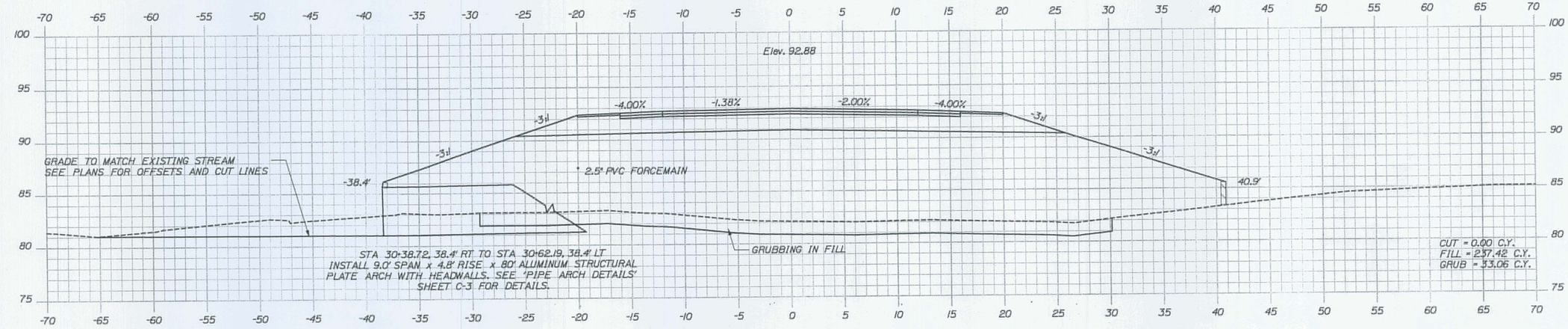
Filename: ...\msta\035_XSECT_30+38_015.dgn Division: HIGHWAY Username: Jeffrey.Velleux Date:9/10/2009

Sta. 30+38.72 to Sta. 30+50.00



31+00.00

30+74.00



30+62.19

STATE OF MAINE
DEPARTMENT OF TRANSPORTATION

PIN
16123.50

HIGHWAY PLANS

	BY	DATE
PROJ. MANAGER	J. KITTREDGE	
DESIGN-DETAILED	J. COFFIN	
CHECKED-REVIEWED		
DESIGN2-DET/ALED2		
DESIGN3-DET/ALED3		
REVISIONS 1	60% REVIEW - JAN 2009	01-08-09
REVISIONS 2	90% REVIEW - FEB 2009	02-12-09
REVISIONS 3	ISSUED FOR BID	05-28-09
REVISIONS 4		
FIELD CHANGES		

SIGNATURE

P.E. NUMBER

DATE

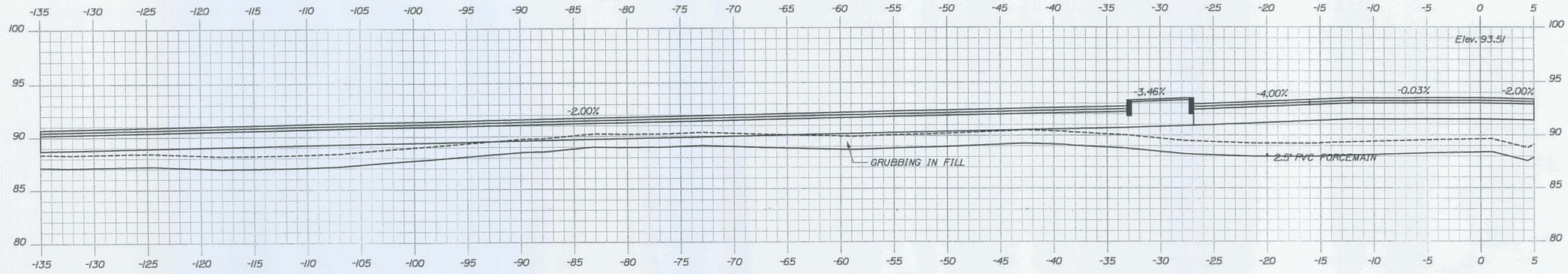
ACADIA GATEWAY FACILITY
BUS MAINTENANCE FACILITY

CROSS SECTIONS

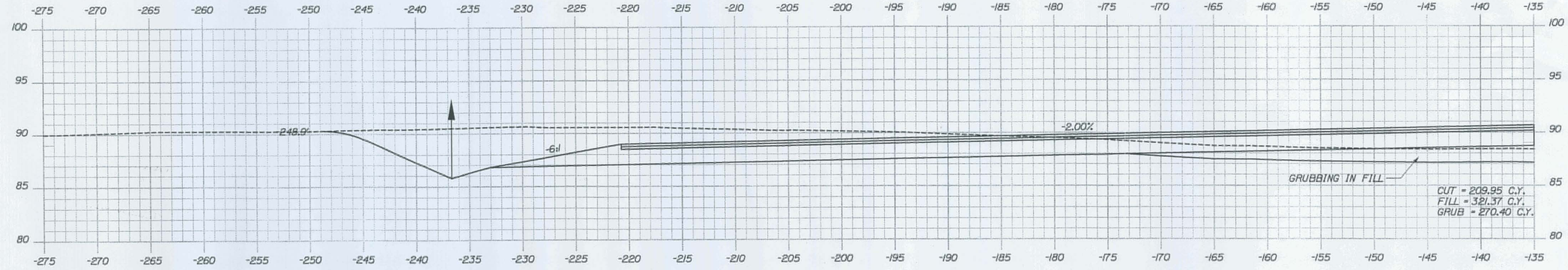
SHEET NUMBER
C-36
OF 63

Sta. 30+62.19 to Sta. 31+00.00

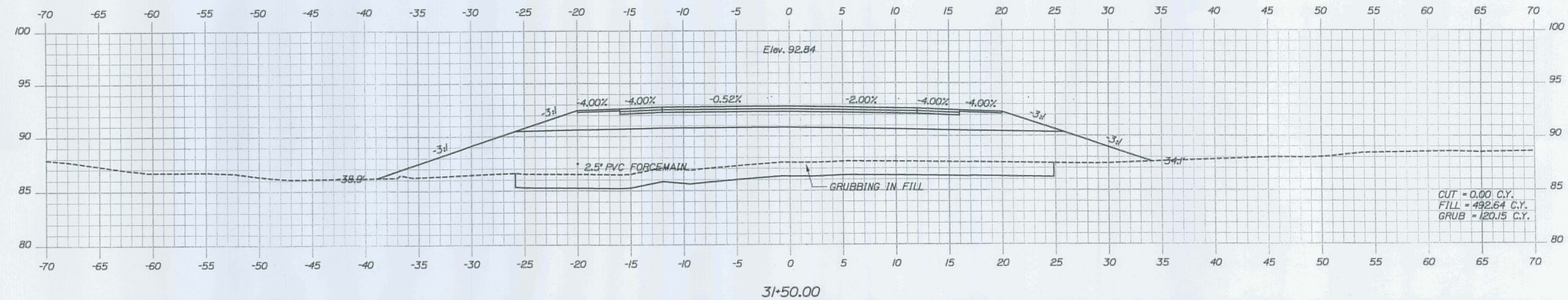
Filename: ...\msta\036_XSECT_30+62_016.dgn Division: HIGHWAY Username: Jeffrey.Velleux Date:9/10/2009



32+00.00 (+1)



32+00.00



31+50.00

Sta. 31+50.00 to Sta. 32+00.00

STATE OF MAINE
DEPARTMENT OF TRANSPORTATION

PIN
16123.50

HIGHWAY PLANS

	BY	DATE
PROJ. MANAGER	J. KITTREDGE	
DESIGN-DETAILED	J. COFFIN	------
CHECKED-REVIEWED	------	------
DESIGN2-DETAILED2	------	------
DESIGN3-DETAILED3	------	------
REVISIONS 1	60% REVIEW - JAN 2009	01-08-09
REVISIONS 2	90% REVIEW - FEB 2009	02-12-09
REVISIONS 3	ISSUED FOR BID	05-28-09
REVISIONS 4	------	------
FIELD CHANGES	------	------

SIGNATURE

P.E. NUMBER

DATE

ACADIA GATEWAY FACILITY
BUS MAINTENANCE FACILITY

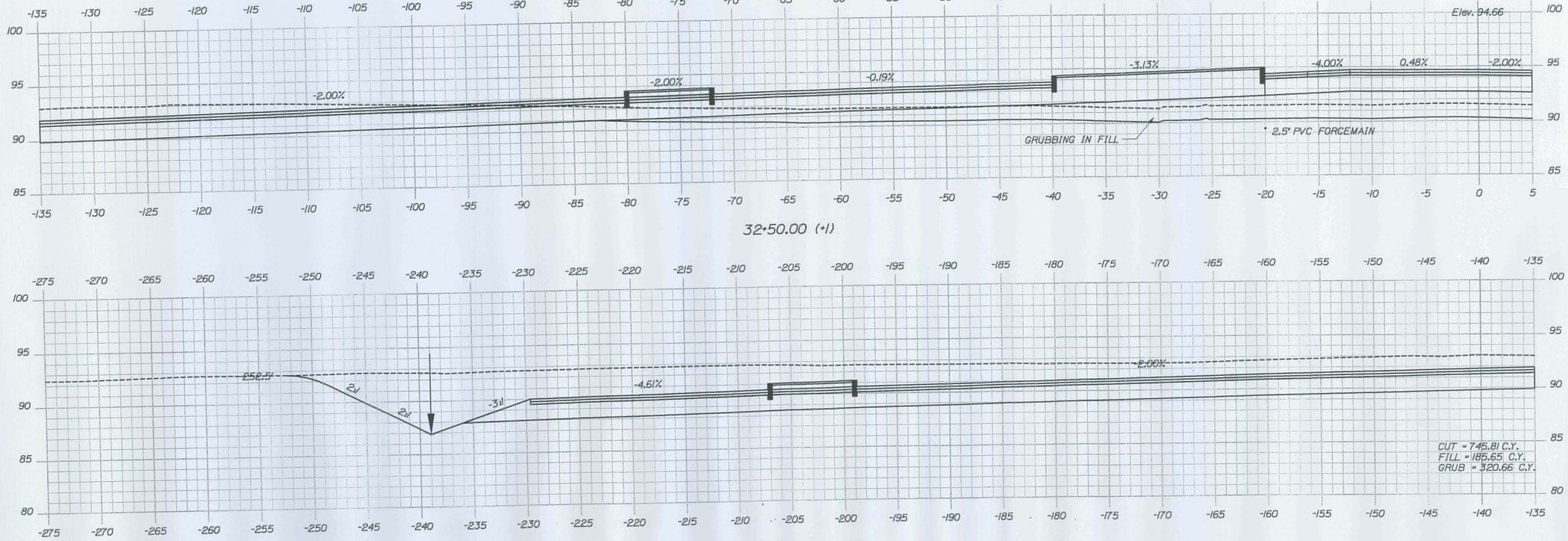
CROSS SECTIONS

SHEET NUMBER

C-37

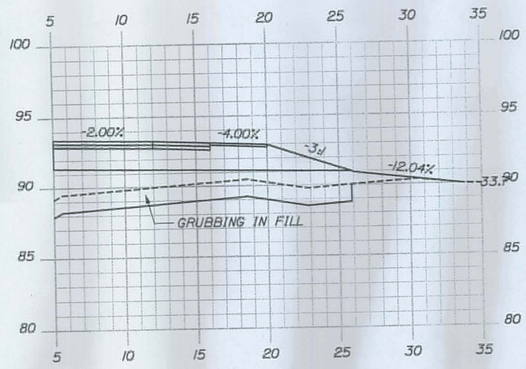
OF 63

Filename: ...\msta\037_XSECT_31+50_017.dgn Division: HIGHWAY Username: Jeffrey.Velleux Date:9/10/2009



32+50.00 (+1)

32+50.00



32+00.00 (+2)

Sta. 32+00.00 to Sta. 32+50.00

STATE OF MAINE
DEPARTMENT OF TRANSPORTATION

PIN
16123.50

HIGHWAY PLANS

PROJ. MANAGER	J. KITTREDGE		
DESIGN DETAILED	J. COFFIN	BY	DATE
CHECKED-REVIEWED	J. COFFIN	J. COFFIN	
DESIGN-DETAILED2	------	------	------
DESIGN-DETAILED3	------	------	------
REVISIONS 1	60% REVIEW - JAN 2009		01-08-09
REVISIONS 2	90% REVIEW - FEB 2009		02-12-09
REVISIONS 3	ISSUED FOR BID		05-28-09
REVISIONS 4	------	------	------
FIELD CHANGES	------	------	------

SIGNATURE

P.E. NUMBER

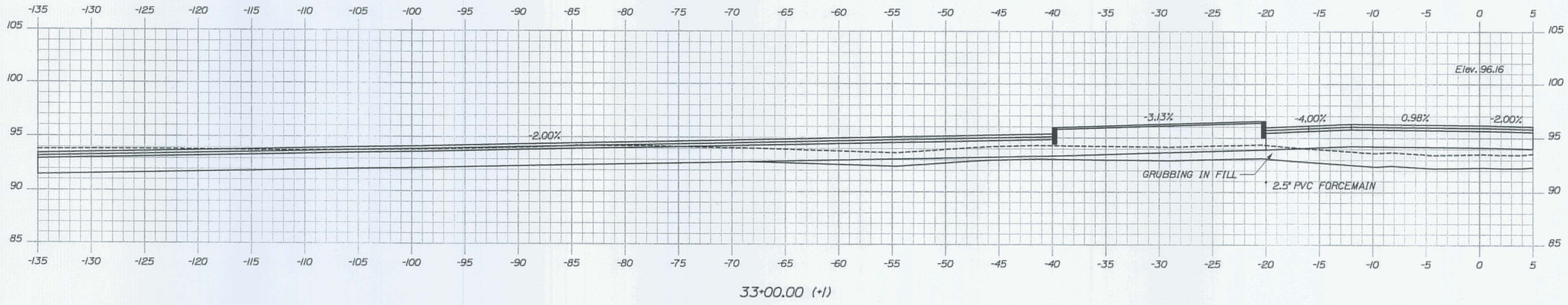
DATE

ACADIA GATEWAY FACILITY
BUS MAINTENANCE FACILITY

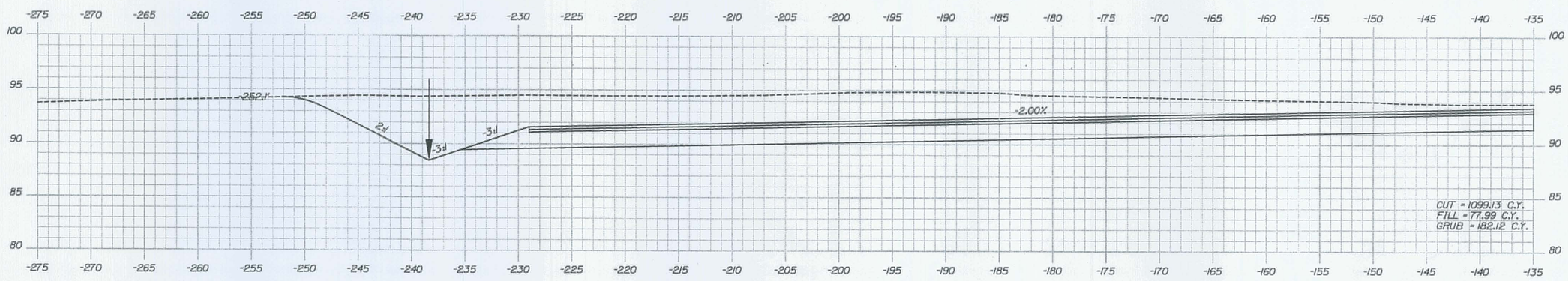
CROSS SECTIONS

SHEET NUMBER
C-38
OF 63

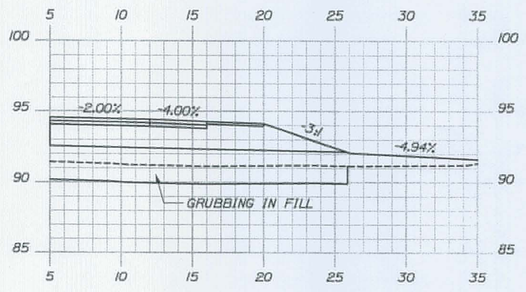
Filename: ...\msta\038_XSECT_32+00_01B.dgn Division: HIGHWAY Username: Jeffrey.Veilleux Date:9/10/2009



33+00.00 (+1)



33+00.00



32+50.00 (+2)

Sta. 32+50.00 to Sta. 33+00.00

STATE OF MAINE
DEPARTMENT OF TRANSPORTATION

PIN
16123.50

HIGHWAY PLANS

	BY	DATE
PROJ. MANAGER	J. KITTREDGE	
DESIGN-DETAILED	J. COFFIN	
CHECKED-REVIEWED	J. COFFIN	
DESIGNS-DETAILED	-----	-----
REVISIONS 1	60% REVIEW - JAN 2009	01-08-09
REVISIONS 2	90% REVIEW - FEB 2009	02-12-09
REVISIONS 3	ISSUED FOR BID	02-28-09
REVISIONS 4		
FIELD CHANGES		

SIGNATURE

P.E. NUMBER

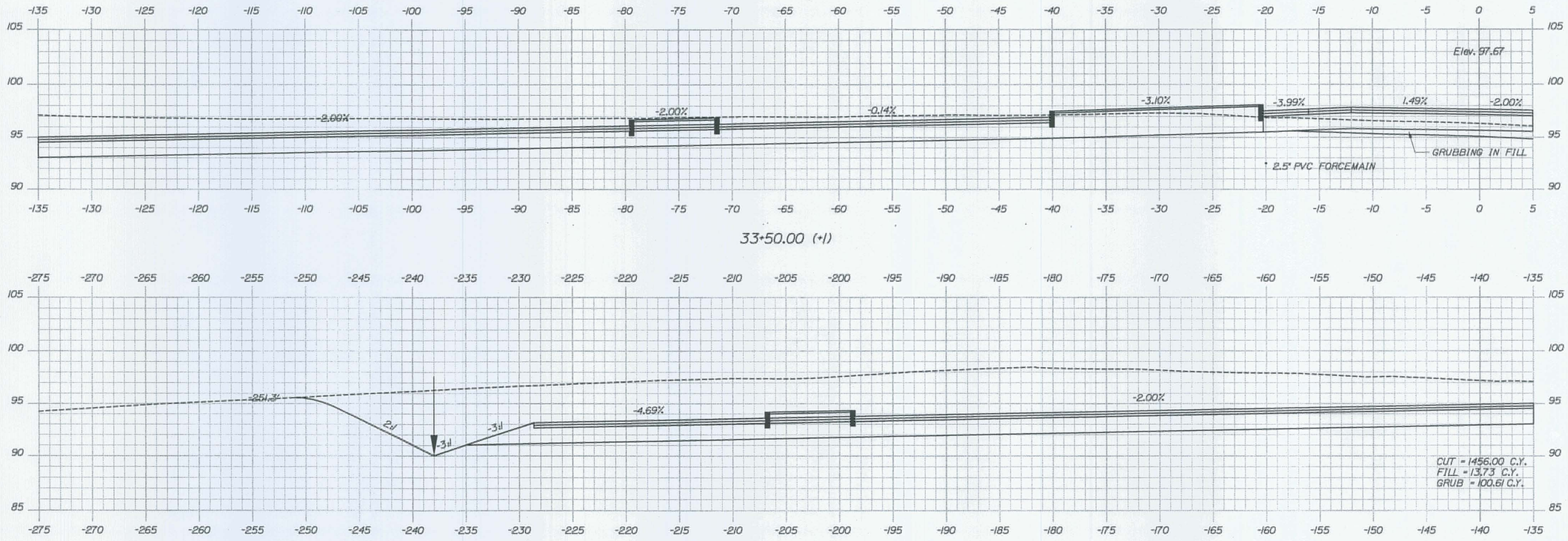
DATE

ACADIA GATEWAY FACILITY
BUS MAINTENANCE FACILITY

CROSS SECTIONS

SHEET NUMBER
C-39
OF 63

Filename: ...\msta\039_XSECT_32+50_019.dgn Username: Jeffrey.Veilleux Division: HIGHWAY Date:9/10/2009



33+50.00 (+1)

33+50.00

33+00.00 (+2)

Sta. 33+00.00 to Sta. 33+50.00

STATE OF MAINE
DEPARTMENT OF TRANSPORTATION

PIN
16123.50
HIGHWAY PLANS

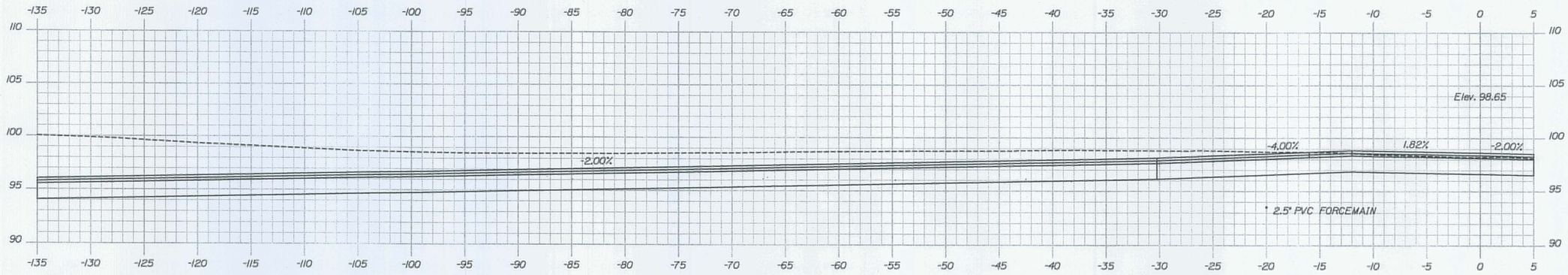
	BY	DATE
PROJ. MANAGER	J. KITTREDGE	
DESIGN-DETAILED	J. COFFIN	----- SIGNATURE
CHECKED-REVIEWED	-----	-----
DESIGN-DETAILED2	-----	----- P.E. NUMBER
DESIGN-DETAILED3	-----	-----
REVISIONS 1	60% REVIEW	JAN 2009 07-08-09
REVISIONS 2	90% REVIEW	FEB 2009 02-25-09
REVISIONS 3	ISSUED FOR BID	05-28-09 DATE
REVISIONS 4	-----	-----
FIELD CHANGES	-----	-----

ACADIA GATEWAY FACILITY
BUS MAINTENANCE FACILITY

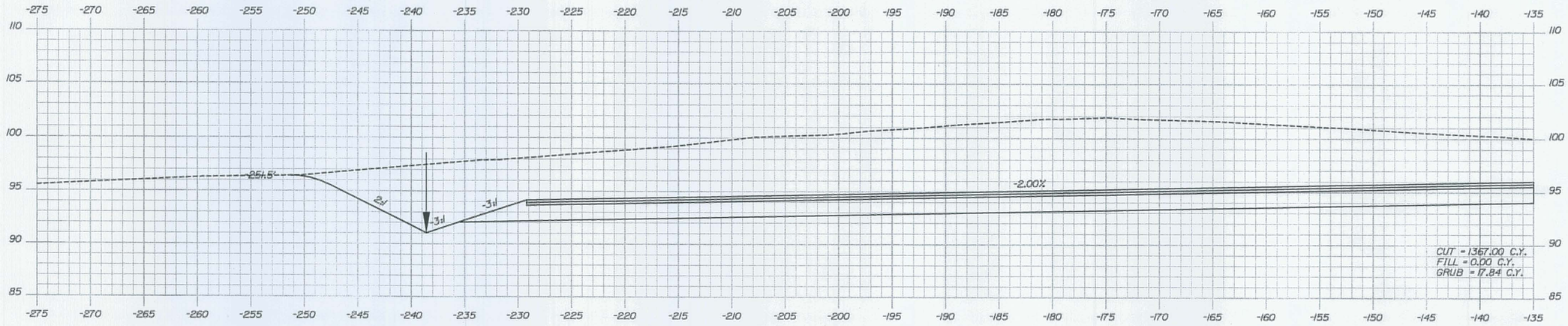
CROSS SECTIONS

SHEET NUMBER
C-40
OF 63

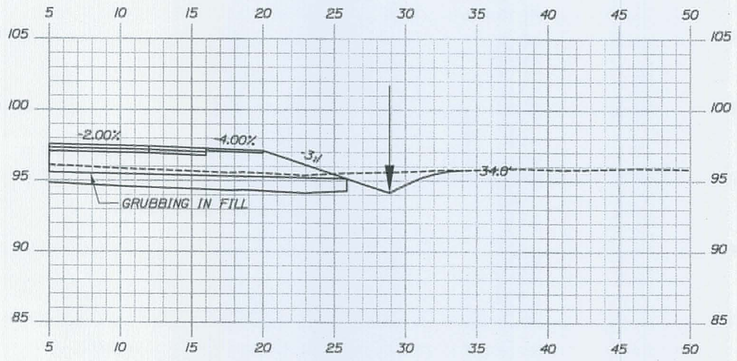
Filename: ...\mslo\040_XSECT_33+00_020.dgn Username: Jeffrey.Veilleux Date:9/10/2009 Division: HIGHWAY



33+82.50 (+1)



33+82.50



33+50.00 (+2)

Sta. 33+50.00 to Sta. 33+82.50

STATE OF MAINE
DEPARTMENT OF TRANSPORTATION

PIN
16123.50

HIGHWAY PLANS

	BY	DATE
PROJ. MANAGER	J. KITTREDGE	
DESIGN-DETAILED	J.L.COFFIN	
CHECKED-REVIEWED	J.L.COFFIN	
DESIGN2-DETAILED2		
DESIGN3-DETAILED3		
REVISIONS 1	60% REVIEW - JAN 2009	01-08-09
REVISIONS 2	90% REVIEW - FEB 2009	02-12-09
REVISIONS 3	ISSUED FOR BID	02-28-09
REVISIONS 4		
FIELD CHANGES		

SIGNATURE

P.E. NUMBER

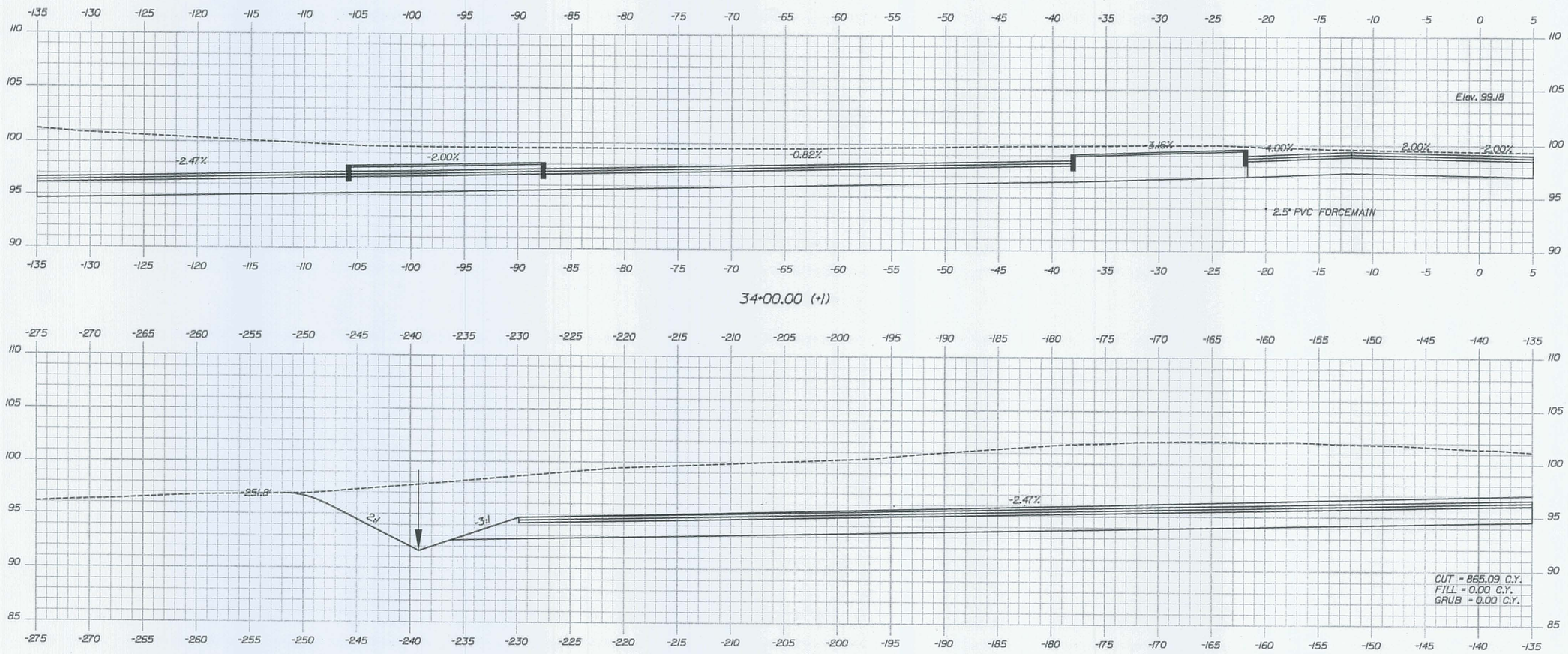
DATE

ACADIA GATEWAY FACILITY
BUS MAINTENANCE FACILITY

CROSS SECTIONS

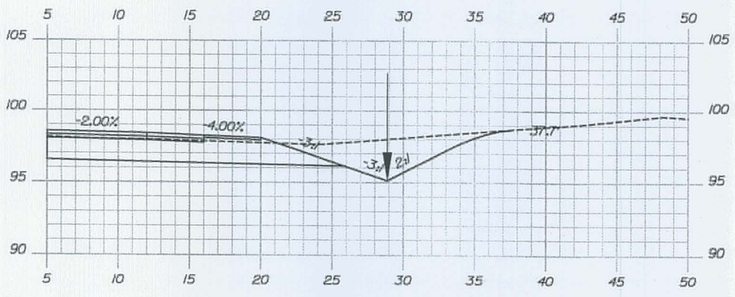
SHEET NUMBER
C-41
OF 63

Filename: ...\msta\041_XSECT_33+50_021.dgn Division: HIGHWAY Username: Jeffrey.Veilleux Date:9/10/2009



34+00.00 (+1)

34+00.00



33+82.50 (+2)

Sta. 33+82.50 to Sta. 34+00.00

STATE OF MAINE
DEPARTMENT OF TRANSPORTATION

PIN
16123.50
HIGHWAY PLANS

PROJ. MANAGER	J. KITTREDGE	BY	DATE
DESIGN-DETAILED	J. COFFIN	------	------
CHECKED-REVIEWED	------	------	------
DESIGN2-DETAILED2	------	------	------
DESIGN3-DETAILED3	------	------	------
REVISIONS 1	60% REVIEW - JAN 2009		01-08-09
REVISIONS 2	90% REVIEW - FEB 2009		02-12-09
REVISIONS 3	ISSUED FOR BID		05-28-09
REVISIONS 4	------		------
FIELD CHANGES	------		------

SIGNATURE

P.E. NUMBER

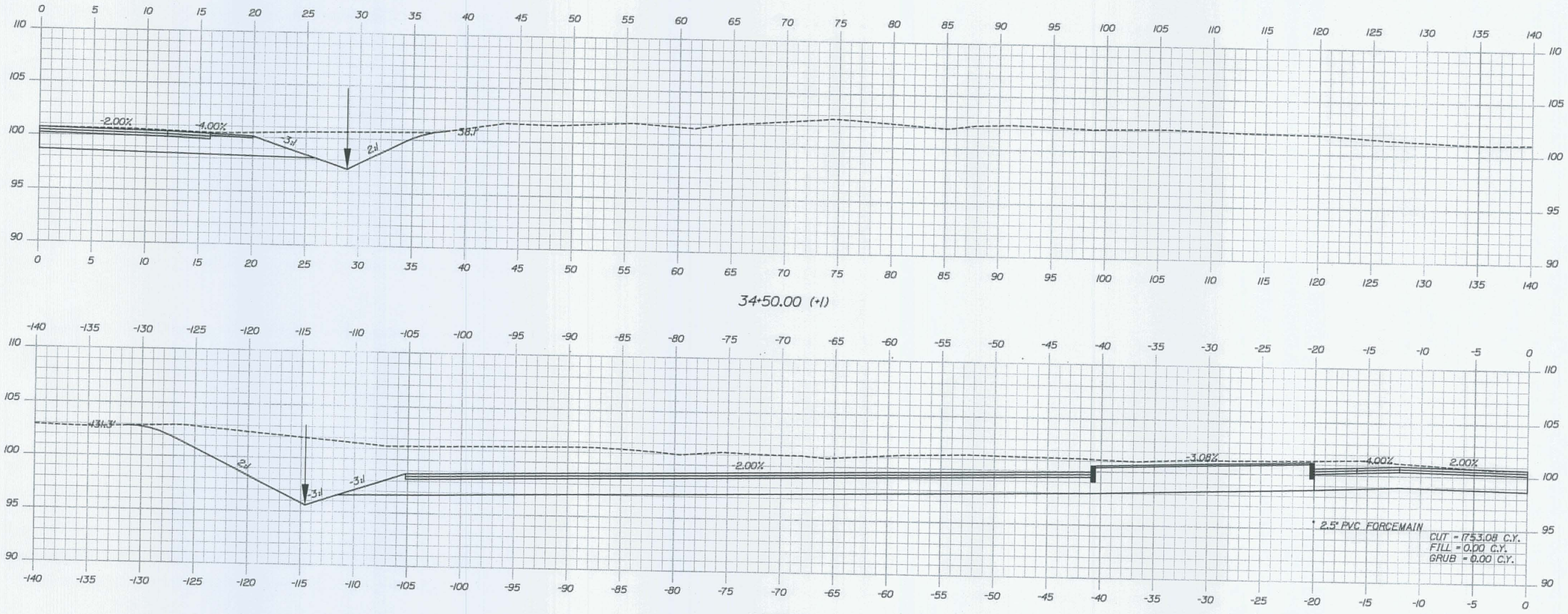
DATE

ACADIA GATEWAY FACILITY
BUS MAINTENANCE FACILITY

CROSS SECTIONS

SHEET NUMBER
C-42
OF 63

Filename: ...\msta\042_XSECT_33+82_022.dgn Division: HIGHWAY Username: Jeffrey.Veilleux Date:9/10/2009



Sta. 34+00.00 to Sta. 34+50.00

STATE OF MAINE
DEPARTMENT OF TRANSPORTATION

PIN
16123.50

HIGHWAY PLANS

PROJ. MANAGER	J. KITTREDGE		
DESIGN-DETAILED	J. COFFIN		
CHECKED-REVIEWED			
DESIGN2-DETAILED2			
DESIGN3-DETAILED3			
REVISIONS 1	60% REVIEW - JAN 2009	J. COFFIN	01-08-09
REVISIONS 2	90% REVIEW - FEB 2009		02-12-09
REVISIONS 3	ISSUED FOR BID		05-28-09
REVISIONS 4			
FIELD CHANGES			

SIGNATURE

P.E. NUMBER

DATE

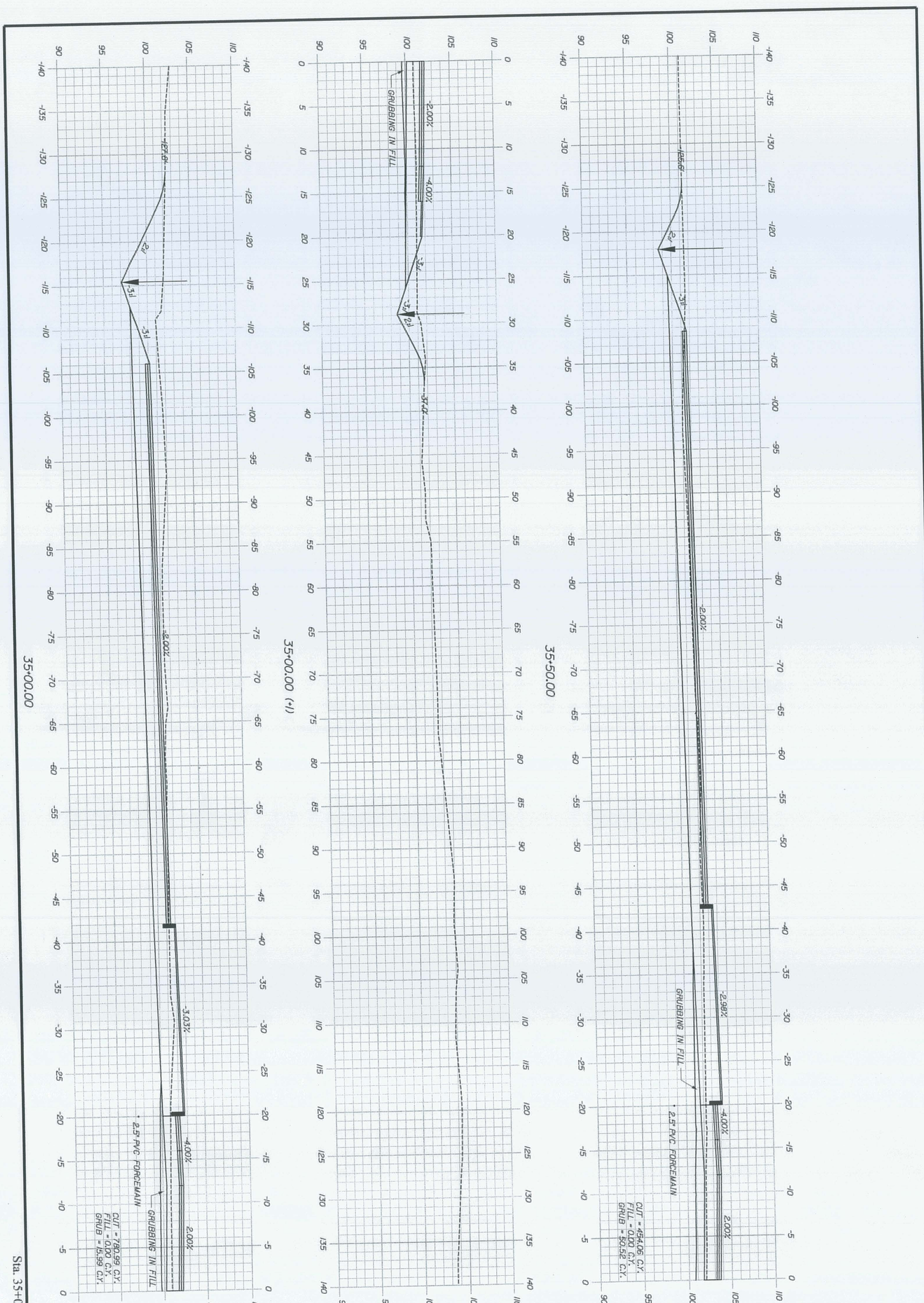
ACADIA GATEWAY FACILITY
BUS MAINTENANCE FACILITY

CROSS SECTIONS

SHEET NUMBER
C-43
OF 63

Filename: ...\mstaV043_XSECT_34+00_023.dgn Division: HIGHWAY Username: Jeffrey.Veilleux Date:9/10/2009

Filename: ...\msta\044_XSECT_35+00_024.dgn Division: HIGHWAY Username: Jeffrey.Veilleux Date:9/10/2009



Sta. 35+00.00 to Sta. 35+50.00

PROJ. MANAGER	J. KITTREDGE	BY	DATE
DESIGN-DETAILED	J. COFFIN	J. COFFIN	
CHECKED-REVIEWED			
DESIGN2-DETAILED2			
DESIGN3-DETAILED3			
REVISIONS 1	60% REVIEW - JAN 2009		01-08-09
REVISIONS 2	90% REVIEW - FEB 2009		02-12-09
REVISIONS 3	ISSUED FOR BID		05-28-09
REVISIONS 4			
FIELD CHANGES			

SIGNATURE

P.E. NUMBER

DATE

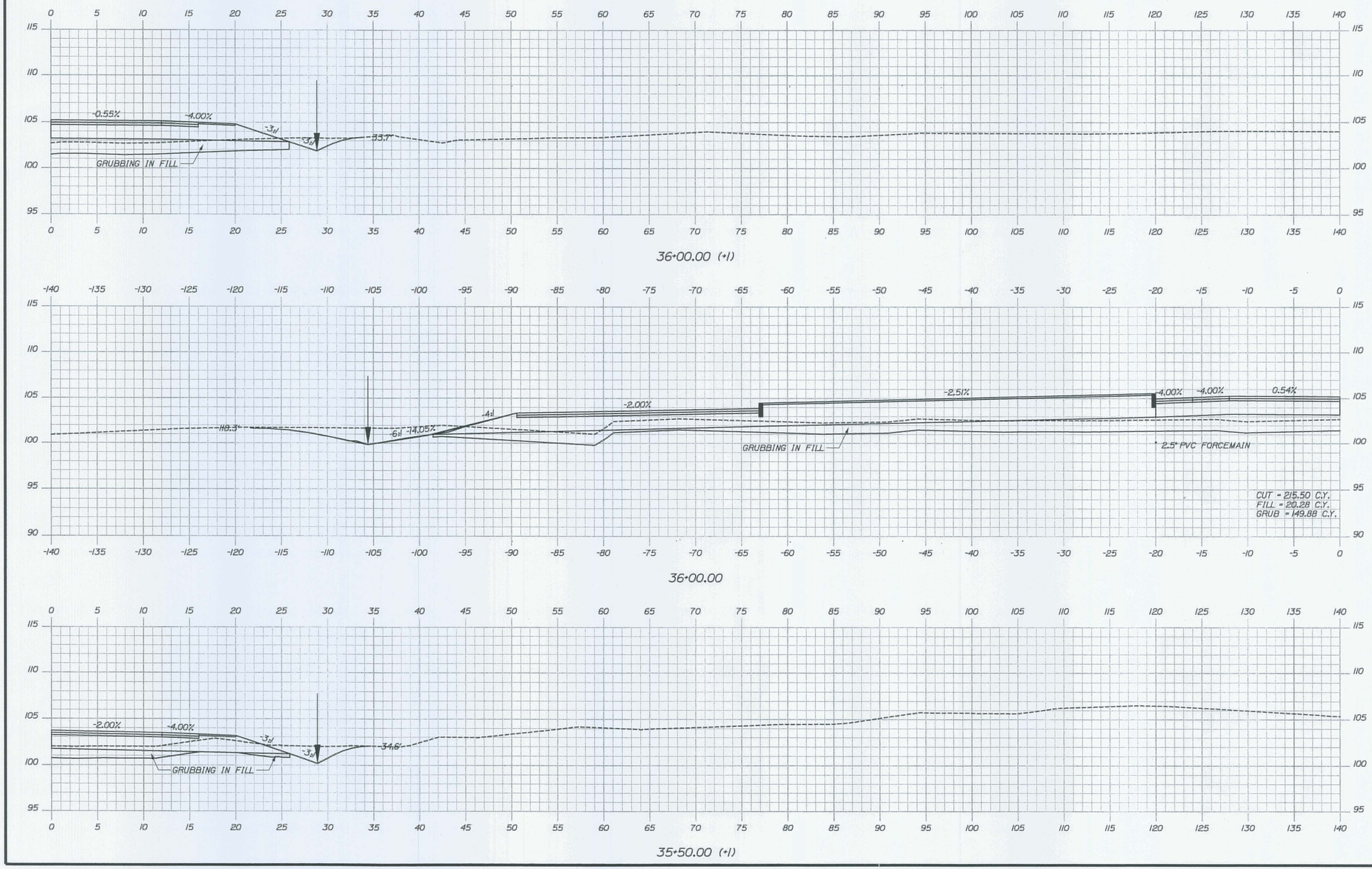
ACADIA GATEWAY FACILITY
BUS MAINTENANCE FACILITY

CROSS SECTIONS

SHEET NUMBER C - 44 OF 63

STATE OF MAINE
DEPARTMENT OF TRANSPORTATION

PIN 16123.50 HIGHWAY PLAN



Sta. 35+50.00 to Sta. 36+00.00

STATE OF MAINE
DEPARTMENT OF TRANSPORTATION

PIN
16123.50

HIGHWAY PLANS

PROJ. MANAGER	J. KITTREDGE	
DESIGN DETAILED	J. COFFIN	
CHECKED / REVIEWED	-----	
DESIGN DETAILED	-----	
REVISIONS 1	60% REVIEW - JAN 2009	01-06-09
REVISIONS 2	90% REVIEW - FEB 2009	02-12-09
REVISIONS 3	ISSUED FOR BID	03-26-09
REVISIONS 4	-----	-----
FIELD CHANGES	-----	-----

SIGNATURE

P.E. NUMBER

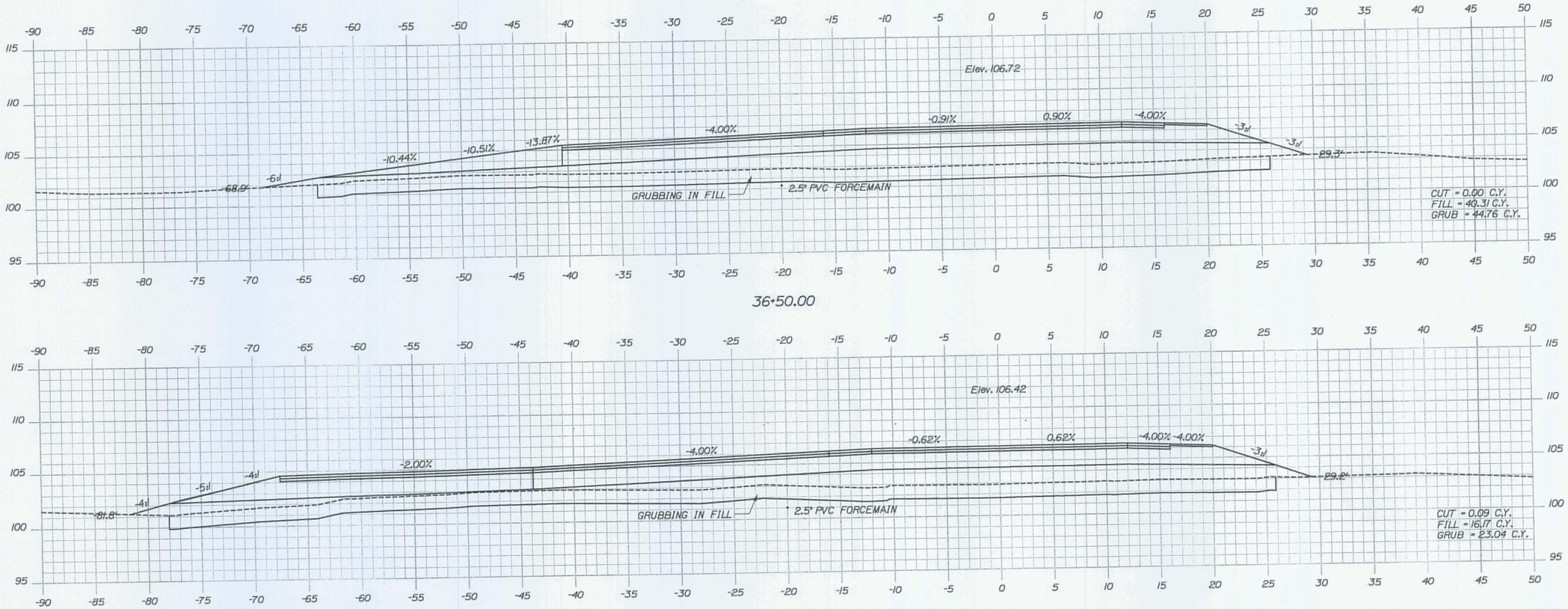
DATE

ACADIA GATEWAY FACILITY
BUS MAINTENANCE FACILITY

CROSS SECTIONS

SHEET NUMBER
C-45
OF 63

Filename: ...\mstat\045_XSECT_35+50_025.dgn Division: HIGHWAY Username: Jeffrey.Veilleux Date:9/10/2009



36+50.00

36+40.00

36+35.28

Sta. 36+35.28 to Sta. 36+50.00

STATE OF MAINE
DEPARTMENT OF TRANSPORTATION

PIN
16123.50

HIGHWAY PLANS

	BY	DATE
PROJ. MANAGER	J. KITTREDGE	
DESIGN-DETAILED	J. COFFIN	
CHECKED-REVIEWED		
DESIGN2-DETAILED2		
DESIGN3-DETAILED3		
REVISIONS 1	60% REVIEW - JAN 2009	01-08-09
REVISIONS 2	90% REVIEW - FEB 2009	02-12-09
REVISIONS 3	ISSUED FOR BID	05-28-09
REVISIONS 4		
FIELD CHANGES		

SIGNATURE

P.E. NUMBER

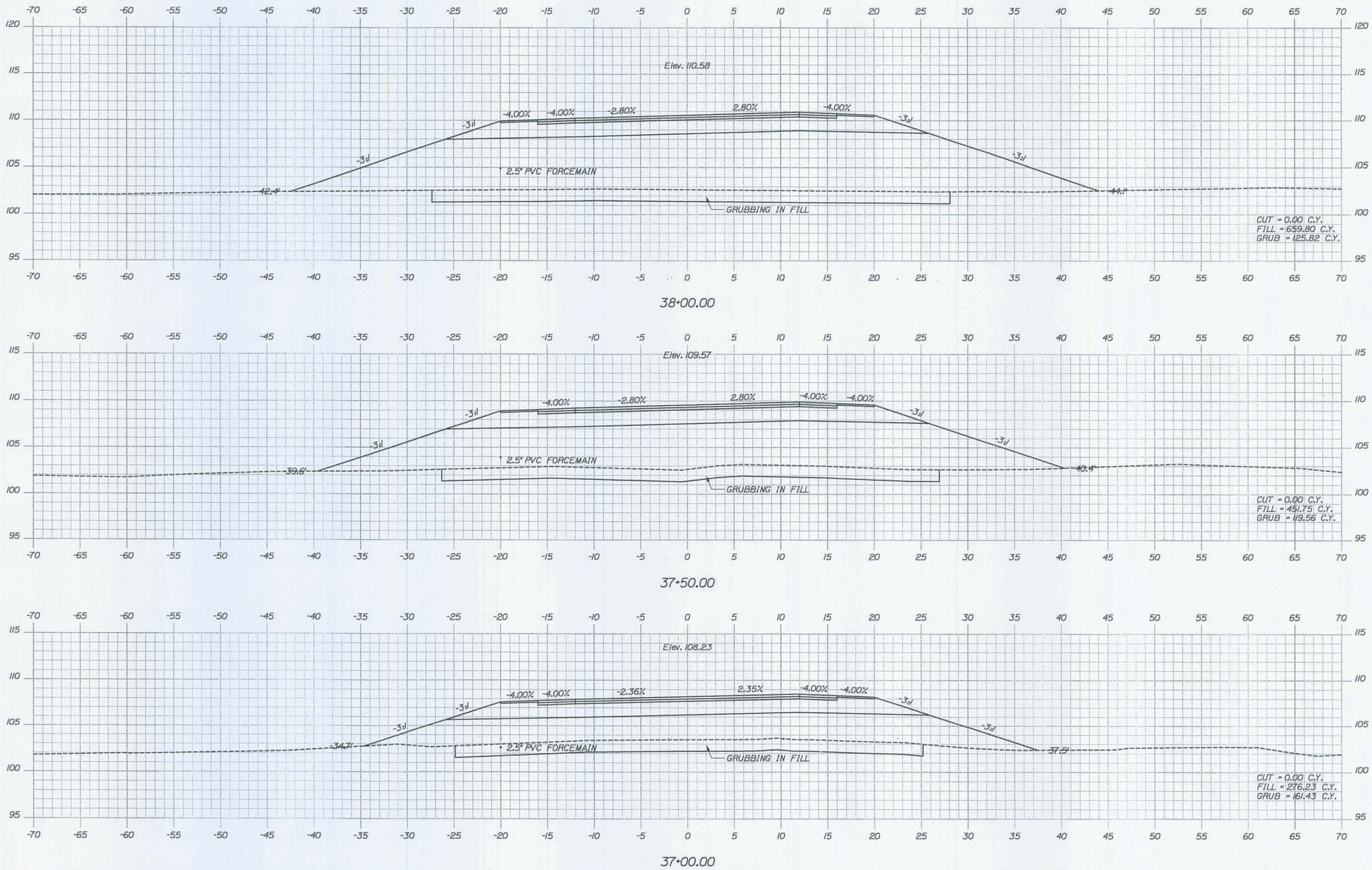
DATE

ACADIA GATEWAY FACILITY
BUS MAINTENANCE FACILITY

CROSS SECTIONS

SHEET NUMBER
C-46
OF 63

Filename: ...\msta\046_XSECT_36+35_026.dgn Division: HIGHWAY Username: Jeffrey.Veilleux Date:9/10/2009



STATE OF MAINE
DEPARTMENT OF TRANSPORTATION

PIN
16123.50

HIGHWAY PLANS

PROJ. MANAGER	J. KITTREDGE		
DESIGN-DETAILED	J. COFFIN	60% REVIEW - JAN 2009	01-08-09
CHECKED-REVIEWED	J. COFFIN	90% REVIEW - FEB 2009	02-12-09
DESIGN-DETAILED2	-----	ISSUED FOR BID	05-28-09
DESIGN-DETAILED3	-----	-----	-----
REVISIONS 1	-----	-----	-----
REVISIONS 2	-----	-----	-----
REVISIONS 3	-----	-----	-----
REVISIONS 4	-----	-----	-----
FIELD CHANGES	-----	-----	-----

SIGNATURE

P.E. NUMBER

DATE

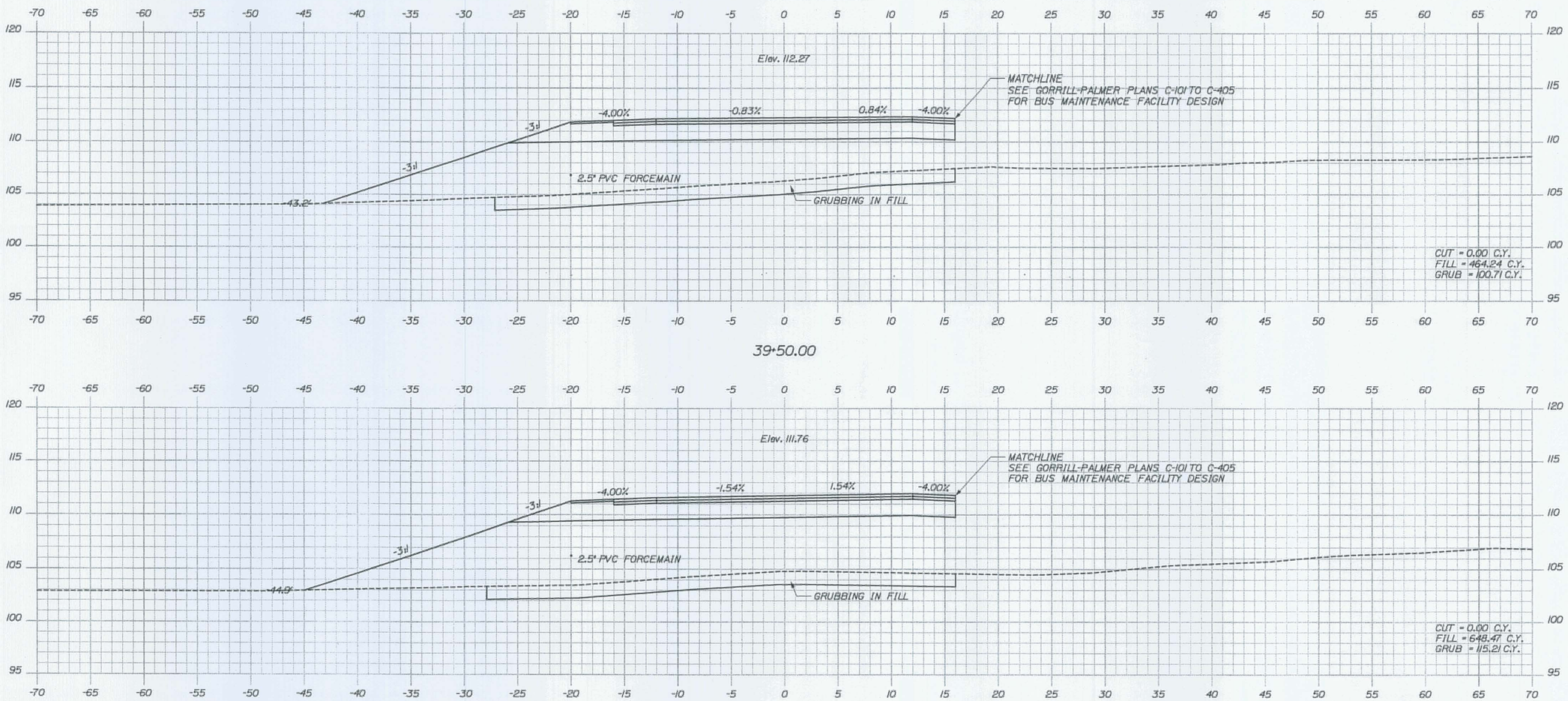
ACADIA GATEWAY FACILITY
BUS MAINTENANCE FACILITY

CROSS SECTIONS

SHEET NUMBER
C-47
OF 63

Sta. 37+00.00 to Sta. 38+00.00

Filename: ...\msta\047_XSECT_37+00_027.dgn Username: Jeffrey.Veilleux Date:9/10/2009 Division: HIGHWAY



Sta. 38+50.00 to Sta. 39+50.00

STATE OF MAINE
DEPARTMENT OF TRANSPORTATION

PIN
16123.50

HIGHWAY PLANS

	BY	DATE
PROJ. MANAGER	J. KITTREDGE	
DESIGN-DETAILED	J.L. COFFIN	
CHECKED-REVIEWED	J.L. COFFIN	
DESIGN2-DETAILED3	------	------
DESIGN3-DETAILED3	------	------
REVISIONS 1	60% REVIEW - JAN 2009	01-08-09
REVISIONS 2	90% REVIEW - FEB 2009	02-12-09
REVISIONS 3	ISSUED FOR BID	05-28-09
REVISIONS 4	------	------
FIELD CHANGES	------	------

SIGNATURE

P.E. NUMBER

DATE

ACADIA GATEWAY FACILITY
BUS MAINTENANCE FACILITY

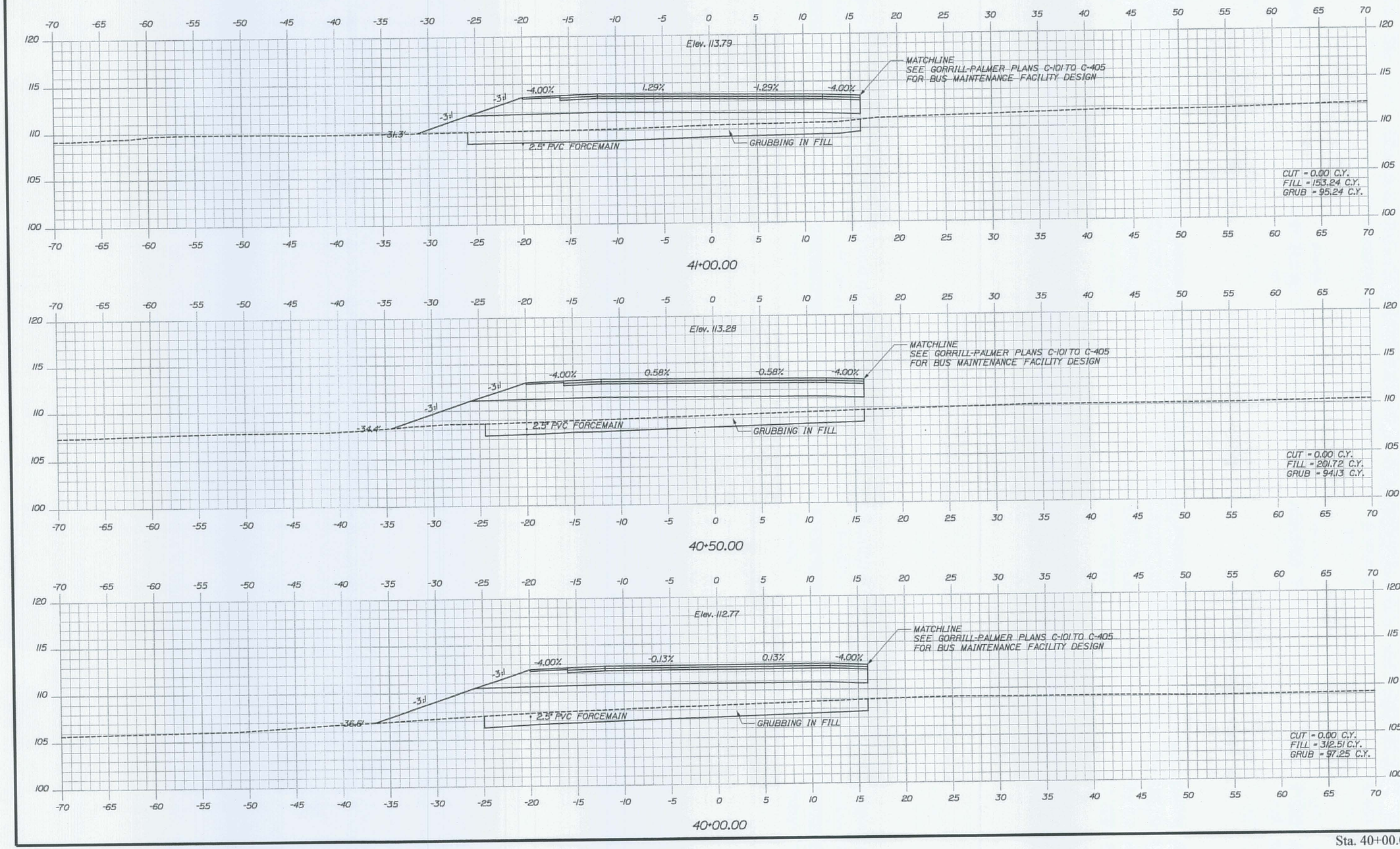
CROSS SECTIONS

SHEET NUMBER

C-48

OF 63

Filename: ...\msta\048_XSECT_38+50_028.dgn Division: HIGHWAY Username: Jeffrey.Veilleux Date:9/10/2009



Sta. 40+00.00 to Sta. 41+00.00

Filename: ...\msta\049_XSECT_40+00_029.dgn Username: Jeffrey.Veilleux Date:9/10/2009 Division: HIGHWAY

STATE OF MAINE
DEPARTMENT OF TRANSPORTATION

PIN
16123.50
HIGHWAY PLANS

	BY	DATE
PROJ. MANAGER	J. KITTREDGE	
DESIGN-DETAILED	J. COFFIN	
CHECKED-REVIEWED		
DESIGN2-DETAILED2		
DESIGN3-DETAILED3		
REVISIONS 1	60% REVIEW - JAN 2009	01-08-09
REVISIONS 2	90% REVIEW - FEB 2009	02-25-09
REVISIONS 3	ISSUED FOR BID	05-29-09
REVISIONS 4		
FIELD CHANGES		

SIGNATURE

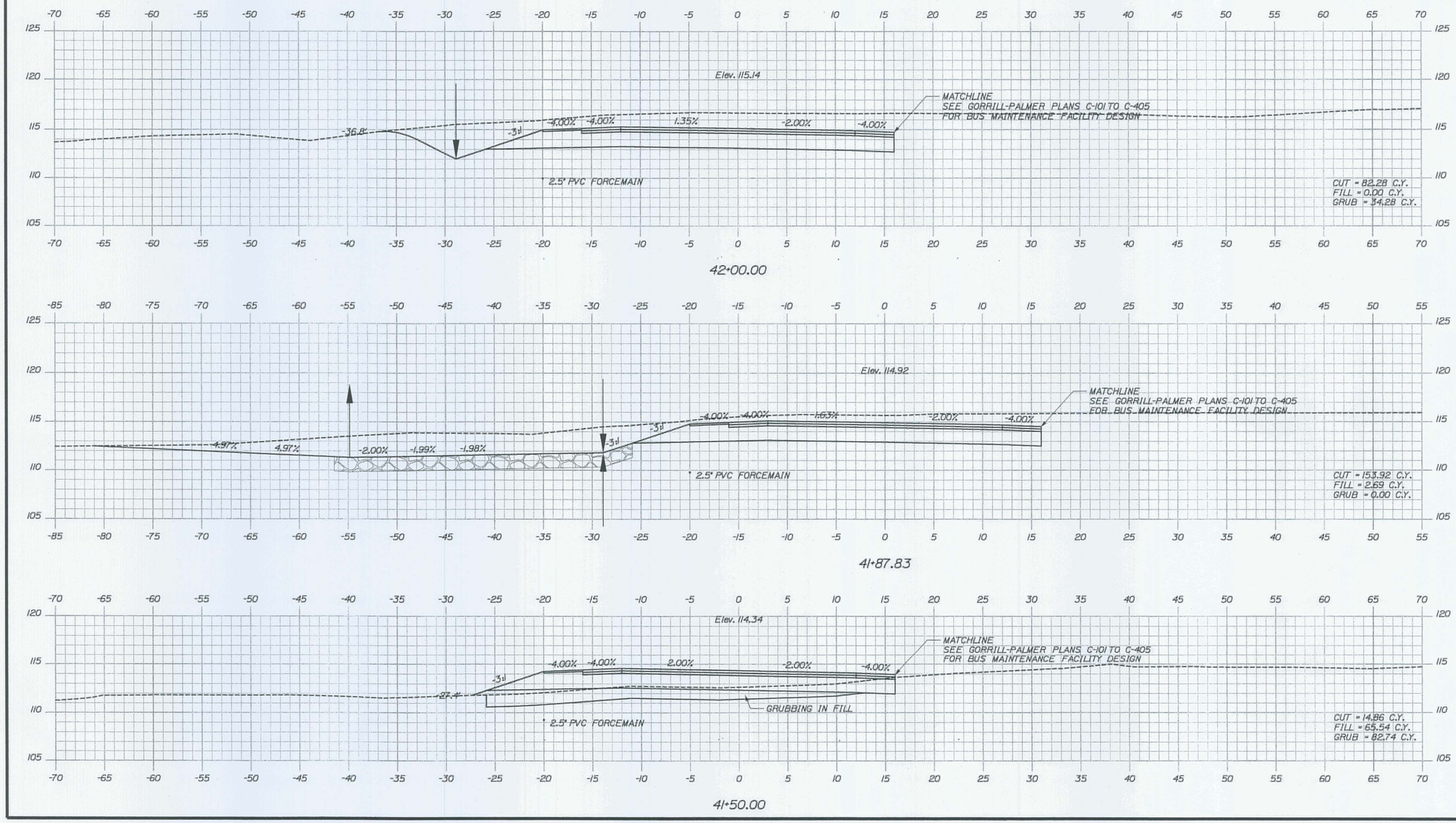
P.E. NUMBER

DATE

ACADIA GATEWAY FACILITY
BUS MAINTENANCE FACILITY

CROSS SECTIONS

SHEET NUMBER
C-49
OF 63



Sta. 41+50.00 to Sta. 42+00.00

STATE OF MAINE
DEPARTMENT OF TRANSPORTATION

PIN
16123.50
HIGHWAY PLANS

PROJ. MANAGER	J. KITTREDGE		
DESIGN-DETAILED	J. COFFIN		
CHECKED-DETAILED	-----	-----	-----
DESIGN-DETAILED3	-----	-----	-----
REVISIONS 1	60% REVIEW - JAN 2009	01-08-09	
REVISIONS 2	90% REVIEW - FEB 2009	02-12-09	
REVISIONS 3	ISSUED FOR BID	05-28-09	
REVISIONS 4	-----	-----	-----
FIELD CHANGES	-----	-----	-----

SIGNATURE

P.E. NUMBER

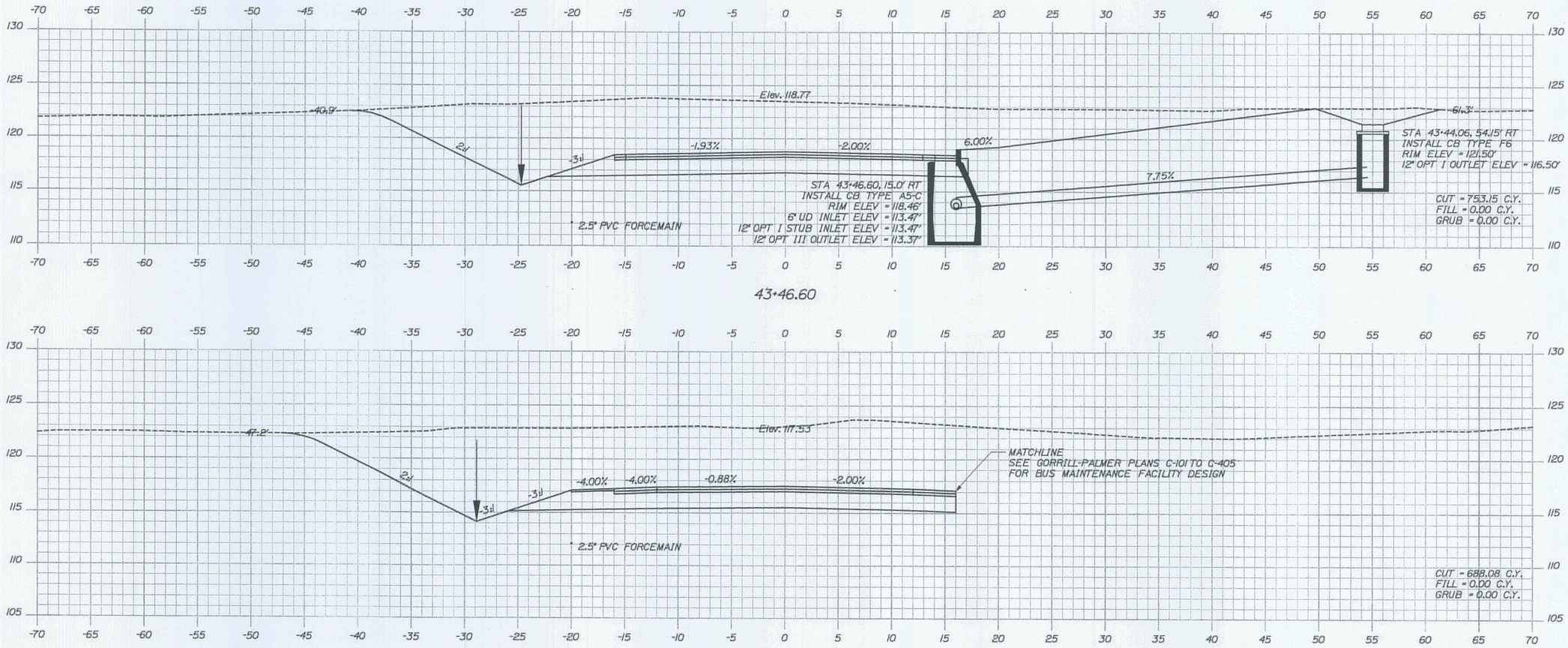
DATE

ACADIA GATEWAY FACILITY
BUS MAINTENANCE FACILITY

CROSS SECTIONS

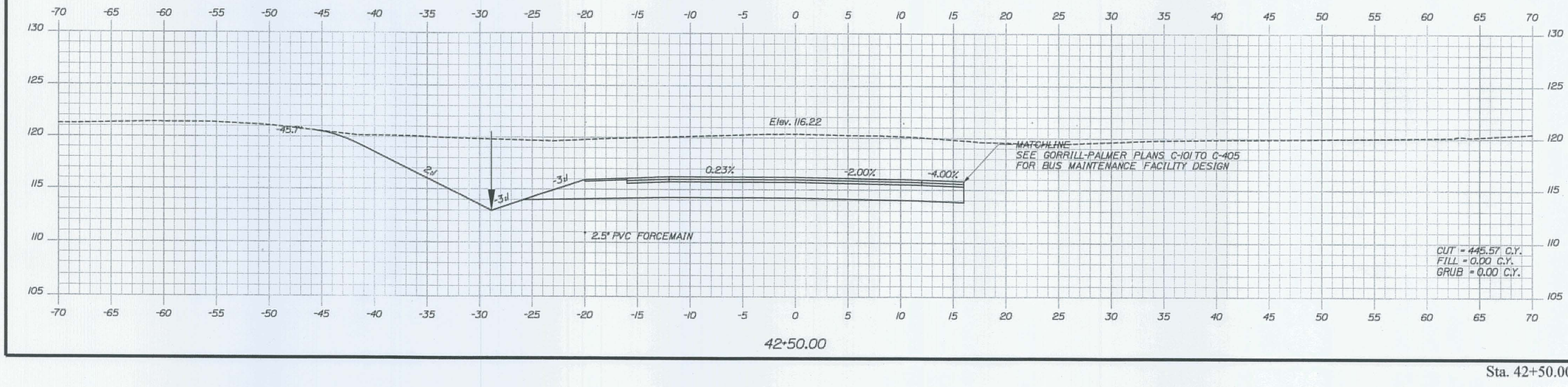
SHEET NUMBER
C-50
OF 63

Filename: ...\mst\a\050_XSECT_41+50_030.dgn Division: HIGHWAY Username: Jeffrey.Veilleux Date:9/10/2009



43+46.60

43+00.00



42+50.00

STATE OF MAINE
DEPARTMENT OF TRANSPORTATION

PIN
16123.50

HIGHWAY PLANS

		BY	DATE
PROJ. MANAGER	J. KITTREDGE		
DESIGN-DETAILED	J. COFFIN	J. COFFIN	SIGNATURE
CHECKED-REVIEWED	J. COFFIN	------	------
DESIGN-DETAILED2	------	------	------
DESIGN-DETAILED3	------	------	P.E. NUMBER
REVISIONS 1	60% REVIEW - JAN 2009	------	11-08-09
REVISIONS 2	90% REVIEW - FEB 2009	------	12-12-09
REVISIONS 3	ISSUED FOR BID	------	05-28-09
REVISIONS 4	------	------	DATE
FIELD CHANGES	------	------	------

ACADIA GATEWAY FACILITY
BUS MAINTENANCE FACILITY

CROSS SECTIONS

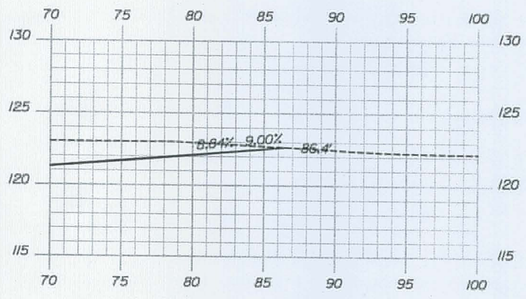
SHEET NUMBER

C-51

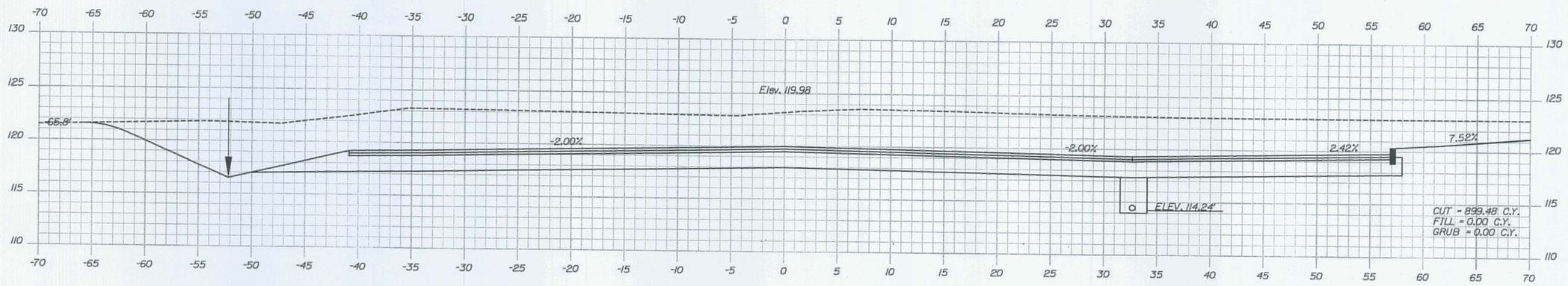
OF 63

Filename: ...\msta\051_XSECT_42+50_031.dgn Division: HIGHWAY Username: Jeffrey.Velleux Date:9/10/2009

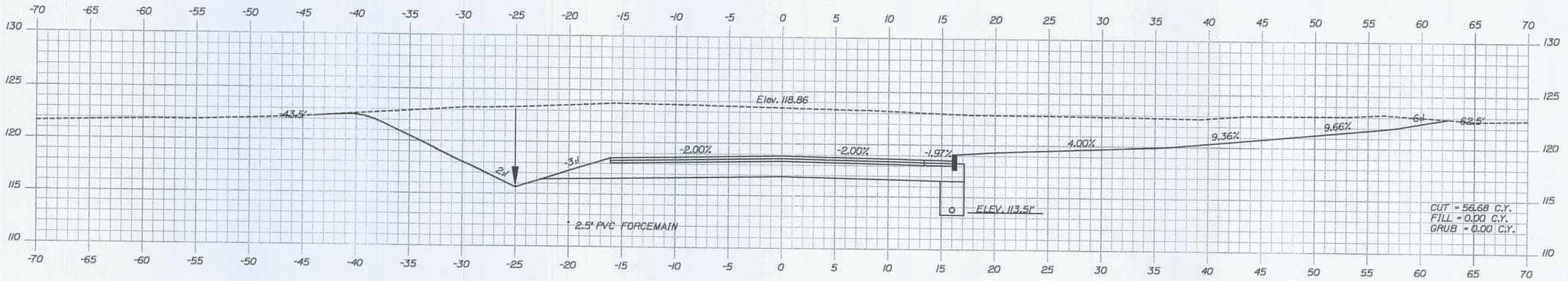
Sta. 42+50.00 to Sta. 43+46.60



44+00.00 (+1)



44+00.00



43+50.00

PROJ. MANAGER	J. KITTREDGE	BY	DATE
DESIGN DETAILED	J. COFFIN	J. COFFIN	
DESIGN CHECKED	_____	_____	SIGNATURE
DESIGN DETAILED	_____	_____	_____
REVISIONS 1	60% REVIEW - JAN 2009	01-06-09	P.E. NUMBER
REVISIONS 2	90% REVIEW - FEB 2009	02-20-09	
REVISIONS 3	ISSUED FOR BID	05-28-09	DATE
REVISIONS 4	_____	_____	_____
FIELD CHANGES	_____	_____	_____

STATE OF MAINE
DEPARTMENT OF TRANSPORTATION

PIN
16123.50
HIGHWAY PLANS

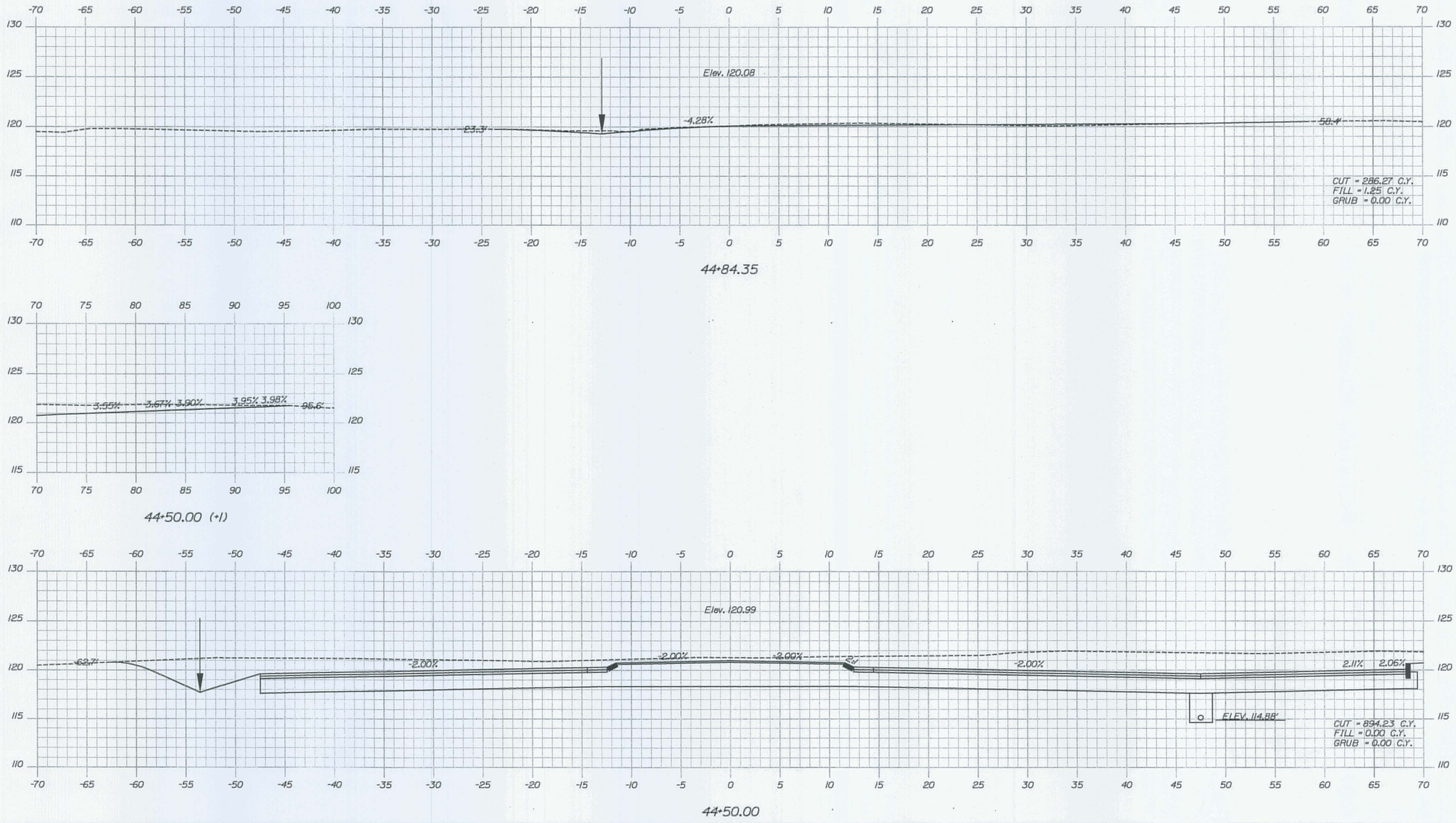
ACADIA GATEWAY FACILITY
BUS MAINTENANCE FACILITY

CROSS SECTIONS

SHEET NUMBER
C-52
OF 63

Sta. 43+50.00 to Sta. 44+00.00

Filename: ...\msfa\052_XSECT_43+50_032.dgn Division: HIGHWAY Username: Jeffrey.Veilleux Date:9/10/2009



Sta. 44+50.00 to Sta. 44+84.35

STATE OF MAINE
DEPARTMENT OF TRANSPORTATION

PIN
16123.50
HIGHWAY PLANS

PROJ. MANAGER	J. KITTREDGE		
DESIGN DETAILED	J. COFFIN	BY	DATE
CHECKED/REVIEWED	J. COFFIN		
DESIGN DETAILED			
REVISIONS 1		BGY REVIEW - JAN 2009	01-06-09
REVISIONS 2		BGY REVIEW - FEB 2009	02-12-09
REVISIONS 3		ISSUED FOR BID	05-28-09
REVISIONS 4			
FIELD CHANGES			

SIGNATURE

P.E. NUMBER

DATE

ACADIA GATEWAY FACILITY
BUS MAINTENANCE FACILITY

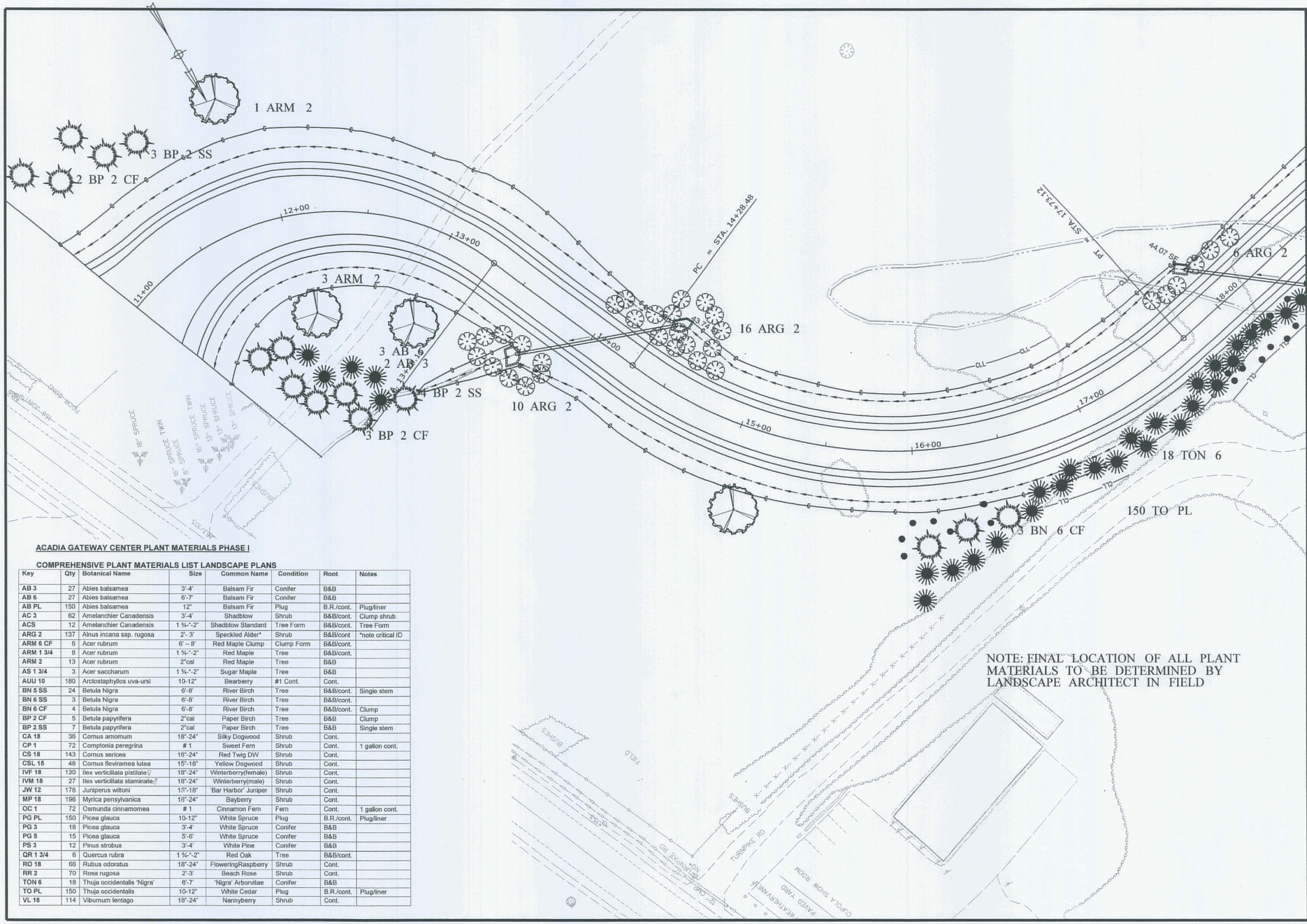
CROSS SECTIONS

SHEET NUMBER
C-53
OF 63

Username: Jeffrey.Veilleux Date:9/10/2009

Filename: ...\vmsta\053_XSECT_44+50_033.dgn Division: HIGHWAY

Filename: ...\vms1a\054_ENVPLAN GATEWAY1.dgn Division: HIGHWAY Username: Jeffrey.Veilleux Date:9/10/2009



ACADIA GATEWAY CENTER PLANT MATERIALS PHASE I

COMPREHENSIVE PLANT MATERIALS LIST LANDSCAPE PLANS

Key	Qty	Botanical Name	Size	Common Name	Condition	Root	Notes
AB 3	27	Abies balsamea	3'-4'	Balsam Fir	Conifer	B&B	
AB 6	27	Abies balsamea	6'-7'	Balsam Fir	Conifer	B&B	
AB PL	150	Abies balsamea	12"	Balsam Fir	Plug	B.R./cont.	Plug/liner
AC 3	62	Amelanchier Canadensis	3'-4'	Shadblow	Shrub	B&B/cont.	Clump shrub
ACS	12	Amelanchier Canadensis	1 ¾"-2"	Shadblow Standard	Tree Form	B&B/cont.	Tree Form
ARG 2	137	Alnus incana ssp. rugosa	2'- 3'	Speckled Alder*	Shrub	B&B/cont	*note critical ID
ARM 6 CF	6	Acer rubrum	6' – 8'	Red Maple Clump	Clump Form	B&B/cont.	
ARM 1 3/4	8	Acer rubrum	1 ¾"-2"	Red Maple	Tree	B&B/cont.	
ARM 2	13	Acer rubrum	2"cal	Red Maple	Tree	B&B	
AS 1 3/4	3	Acer saccharum	1 ¾"-2"	Sugar Maple	Tree	B&B	
AUU 10	180	Arctostaphyllos uva-ursi	10-12"	Bearberry	#1 Cont.	Cont.	
BN 5 SS	24	Betula Nigra	6'-8'	River Birch	Tree	B&B/cont.	Single stem
BN 6 SS	3	Betula Nigra	6'-8'	River Birch	Tree	B&B/cont.	
BN 6 CF	4	Betula Nigra	6'-8'	River Birch	Tree	B&B/cont.	Clump
BP 2 CF	5	Betula papyrifera	2"cal	Paper Birch	Tree	B&B	Clump
BP 2 SS	7	Betula papyrifera	2"cal	Paper Birch	Tree	B&B	Single stem
CA 18	36	Cornus amomum	18"-24"	Silky Dogwood	Shrub	Cont.	
CP 1	72	Comptonia peregrina	# 1	Sweet Fern	Shrub	Cont.	1 gallon cont.
CS 18	143	Cornus sericea	18"-24"	Red Twig DW	Shrub	Cont.	
CSL 15	48	Cornus flevirarnea lutea	15"-18"	Yellow Dogwood	Shrub	Cont.	
IVF 18	130	Ilex verticillata pistilate♀	18"-24"	Winterberry(female)	Shrub	Cont.	
IVM 18	27	Ilex verticillata staminate♂	18"-24"	Winterberry(male)	Shrub	Cont.	
JW 12	178	Juniperus wiltoni	15"-18"	'Bar Harbor' Juniper	Shrub	Cont.	
MP 18	196	Myrica pensylvanica	18"-24"	Bayberry	Shrub	Cont.	
OC 1	72	Osmunda cinnamomea	# 1	Cinnamon Fern	Fern	Cont.	1 gallon cont.
PG PL	150	Picea glauca	10-12"	White Spruce	Plug	B.R./cont.	Plug/liner
PG 3	18	Picea glauca	3'-4'	White Spruce	Conifer	B&B	
PG 5	15	Picea glauca	5'-6'	White Spruce	Conifer	B&B	
PS 3	12	Pinus strobus	3'-4'	White Pine	Conifer	B&B	
QR 1 3/4	6	Quercus rubra	1 ¾"-2"	Red Oak	Tree	B&B/cont.	
RO 18	66	Rubus odoratus	18"-24"	FloweringRaspberry	Shrub	Cont.	
RR 2	70	Rosa rugosa	2'-3'	Beach Rose	Shrub	Cont.	
TON 6	18	Thuja occidentalis 'Nigra'	6'-7'	'Nigra' Arborvitae	Conifer	B&B	
TO PL	150	Thuja occidentalis	10-12"	White Cedar	Plug	B.R./cont.	Plug/liner
VL 18	114	Viburnum lentago	18"-24"	Nannyberry	Shrub	Cont.	

STA. 11+00.00 TO STA. 18+00.00

STATE OF MAINE
DEPARTMENT OF TRANSPORTATION

PIN 16123.50 HIGHWAY PLANS

PROJ. MANAGER	J. KITTREDGE	BY	DATE
DESIGN-DETAILED	J. COFFIN		
CHECKED-REVIEWED	J. COFFIN	J. COFFIN	
DESIGN2-DETAILED2			SIGNATURE
DESIGN3-DETAILED3			
REVISIONS 1	60% REVIEW - JAN 2009	01-08-09	P.E. NUMBER
REVISIONS 2	90% REVIEW - FEB 2009	02-12-09	
REVISIONS 3	ISSUED FOR BID	05-28-09	DATE
REVISIONS 4			
FIELD CHANGES			

ACADIA GATEWAY FACILITY
BUS MAINTENANCE FACILITY

LANDSCAPE SHEET 1 OF 5

SHEET NUMBER
C-54
OF 63

Filename: ...\msta\1055_ENVPLAN GATEWAY2.dgn Division: HIGHWAY Username: Jeffrey.Veilleux Date:9/10/2009

Key	Botanical Name	Size	Common Name	Cond.	Root	Notes
AB 3	Abies balsamea	3'-4'	Balsam Fir	Tree	B&B	
AB 6	Abies balsamea	6'-7'	Balsam Fir	Tree	B&B	
AB PL	Abies balsamea	12"	Balsam Fir	Plug	B.R./cont.	Plug/liner
AC 3	Amelanchier canadensis	3'-4'	Shadblow	Shrub	B&B/cont.	Clump shrub
ACS	Amelanchier canadensis	1 ¾"-2"	Shadblow	Tree Form	B&B/cont.	Tree Form
ARG 2	Alnus incana ssp. rugosa	2'- 3'	Speckled Alder	Shrub	B&B/cont.	
ARM 6 CF	Acer rubrum	6'-7'	Red Maple Clump	Clump Form	B&B/cont.	
ARM 1 3/4	Acer rubrum	1 ¾"-2"	Red Maple	Tree	B&B/cont.	
ARM 2	Acer rubrum	2"cal	Red Maple	Tree	B&B	
AS 1 3/4	Acer saccharum	1 ¾"-2"	Sugar Maple	Tree	B&B	
AUU 10	Arctostaphyllow uva-ursi	10-12"	Bearberry	#1 Cont.	Cont.	
BN 6 SS	Betula Nigra	6'-8'	River Birch	Tree	B&B/cont.	
BN 6 CF	Betula Nigra	6'-8'	River Birch	Tree	B&B/cont.	Clump
BP 2 CF	Betula papyrifera	2"cal	Paper Birch	Tree	B&B	Clump
BP 2 SS	Betula papyrifera	2"cal	Paper Birch	Tree	B&B	Single stem
CA 18	Cornus amomum	18"-24"	Gray Dogwood	Shrub	Cont.	
CP 1	Comptonia peregrina	# 1	Sweet Fern	Perennial	Cont.	1 gallon cont.
CS 18	Cornus sericea	18"-24"	Red Twig DW	Shrub	Cont.	
CSL 18	Cornus flaviramnea lutea	15"-18"	Yellow Dogwood	Shrub	Cont.	
IVF 18	Ilex verticillata pistilate	18"-24"	Winterberry(female)	Shrub	Cont.	
IVM 18	Ilex verticillata staminate	18"-24"	Winterberry(female)	Shrub	Cont.	
JW 12	Juniperus wiltoni	15"-18"	'Bar Harbor' Juniper	Shrub	Cont.	
MP 18	Myrica pensylvanica	18"-24"	Bayberry	Shrub	Cont.	
OC 1	Osmunda cinnamomea	# 1	Cinnamon Fern	Perennial	Cont.	1 gallon cont.
PG PL	Picea glauca	10-12"	White Spruce	Plug	B.R./cont.	Plug/liner
PG 3	Picea glauca	3'-4'	White Spruce	Tree	B&B	
PG 6	Picea glauca	5'-6'	White Spruce	Tree	B&B	
PS 3	Pinus strobus	3'-4'	White Pine	Tree	B&B	
QR 1 3/4	Quercus rubra	1 ¾"-2"	Red Oak	Tree	B&B/cont.	
RO 18	Rubus odoratus	18"-24"	Flowering Raspberry	Shrub	Cont.	
RR 2	Rosa rugosa	2'-3'	Beach Rose	Shrub	Cont.	
TON 6	Thuja occidentalis 'Nigra'	6'-7'	'Nigra' Arborvitae	Tree	B&B	
TO PL	Thuja occidentalis	10-12"	White Cedar	Plug	B.R./cont.	Plug/Liner
VL 18	Viburnum lentago	18"-24"	Nannyberry	Shrub	Cont.	

STA. 18+00.00 TO STA. 25+00.00

STATE OF MAINE
DEPARTMENT OF TRANSPORTATION

PIN
16123.50
HIGHWAY PLANS

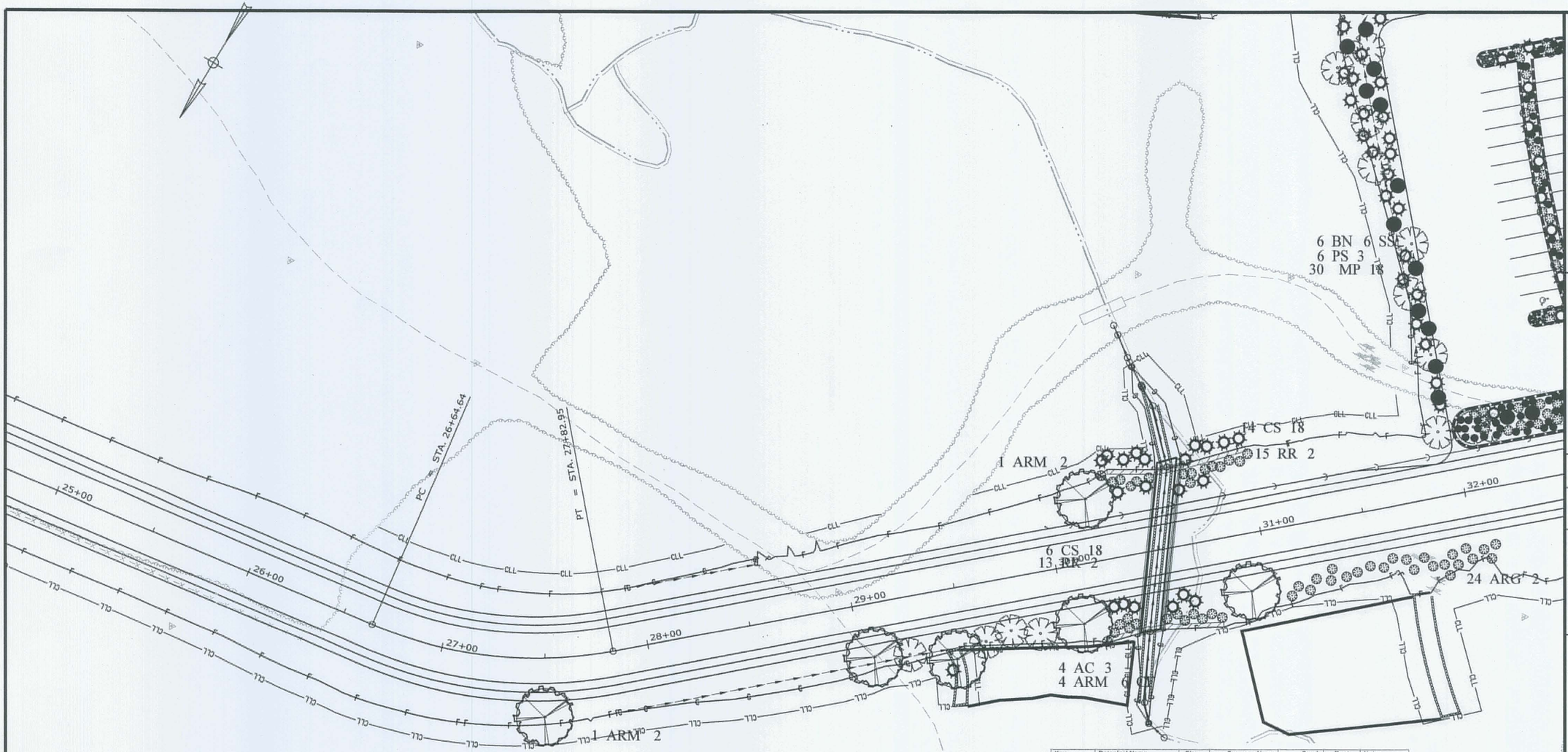
PROJ. MANAGER	J. KITTREDGE	BY	DATE
DESIGN-DETAILED	J. COFFIN	J. COFFIN	
CHECKED-REVIEWED			SIGNATURE
DESIGN2-DETAILED2			
DESIGN3-DETAILED3			
REVISIONS 1	60% REVIEW - JAN 2009		P.E. NUMBER
REVISIONS 2	90% REVIEW - FEB 2009	01-08-09	
REVISIONS 3	ISSUED FOR BID	01-26-09	
REVISIONS 4		05-28-09	DATE
FIELD CHANGES			

ACADIA GATEWAY FACILITY
BUS MAINTENANCE FACILITY

LANDSCAPE SHEET 2 OF 5

SHEET NUMBER
C-55
OF 63

Filename: ...\mstg\056_ENVPLAN GATEWAY3.dgn Division: HIGHWAY Username: Jeffrey.Veilleux Date:9/10/2009



NOTE: FINAL LOCATION OF ALL PLANT MATERIALS TO BE DETERMINED BY LANDSCAPE ARCHITECT IN FIELD

Key	Botanical Name	Size	Common Name	Cond.	Root	Notes
AB 3	Abies balsamea	3'-4'	Balsam Fir	Tree	B&B	
AB 6	Abies balsamea	6'-7'	Balsam Fir	Tree	B&B	
AB PL	Abies balsamea	12"	Balsam Fir	Plug	B.R./cont.	Plug/liner
AC 3	Amelanchier canadensis	3'-4'	Shadblow	Shrub	B&B/cont.	Clump shrub
AC5	Amelanchier canadensis	1 ¾"-2"	Shadblow	Tree Form	B&B/cont.	Tree Form
ARG 2	Alnus incana ssp. rugosa	2'- 3'	Speckled Alder	Shrub	B&B/cont.	
ARM 6 CF	Acer rubrum	6'-7'	Red Maple Clump	Clump Form	B&B/cont.	
ARM 1 3/4	Acer rubrum	1 ¾"-2"	Red Maple	Tree	B&B/cont.	
ARM 2	Acer rubrum	2"cal	Red Maple	Tree	B&B	
AS 1 3/4	Acer saccharum	1 ¾"-2"	Sugar Maple	Tree	B&B	
AUU 10	Arctostaphyllow uva-ursi	10-12"	Bearberry	#1 Cont.	Cont.	
BN 6 SS	Betula Nigra	6'-8'	River Birch	Tree	B&B/cont.	
BN 6 CF	Betula Nigra	6'-8'	River Birch	Tree	B&B/cont.	Clump
BP 2 CF	Betula papyrifera	2"cal	Paper Birch	Tree	B&B	Clump
BP 2 SS	Betula papyrifera	2"cal	Paper Birch	Tree	B&B	Single stem
CA 18	Cornus amomum	18"-24"	Gray Dogwood	Shrub	Cont.	
CF 1	Comptonia peregrina	# 1	Sweet Fern	Perennial	Cont.	1 gallon cont.
CS 18	Cornus sericea	18"-24"	Red Twig DW	Shrub	Cont.	
CSL 15	Cornus flaviramea lutea	15"-18"	Yellow Dogwood	Shrub	Cont.	
IVF 18	Ilex verticillata pistillate	18"-24"	Winterberry(female)	Shrub	Cont.	
IVM 18	Ilex verticillata staminate	18"-24"	Winterberry(female)	Shrub	Cont.	
JW 12	Juniperus wiltoni	15"-18"	'Bar Harbor' Juniper	Shrub	Cont.	
MP 18	Myrica pensylvanica	18"-24"	Bayberry	Shrub	Cont.	
OC 1	Osmunda cinnamomea	# 1	Cinnamon Fern	Perennial	Cont.	1 gallon cont.
PG PL	Picea glauca	10-12"	White Spruce	Plug	B.R./cont.	Plug/liner
PG 3	Picea glauca	3'-4'	White Spruce	Tree	B&B	
PG 6	Picea glauca	5'-6'	White Spruce	Tree	B&B	
PS 3	Pinus strobus	3'-4'	White Pine	Tree	B&B	
QR 1 3/4	Quercus rubra	1 ¾"-2"	Red Oak	Tree	B&B/cont.	
RG 18	Rubus odoratus	18"-24"	Flowering Raspberry	Shrub	Cont.	
RR 2	Rosa rugosa	2'-3'	Beach Rose	Shrub	Cont.	
TON 6	Thuja occidentalis 'Nigra'	6'-7'	'Nigra' Arborvitae	Tree	B&B	
TO PL	Thuja occidentalis	10-12"	White Cedar	Plug	B.R./cont.	Plug/Liner
VL 18	Viburnum lentago	18"-24"	Nannyberry	Shrub	Cont.	

STA. 25+00.00 TO STA. 32+00.00

STATE OF MAINE
DEPARTMENT OF TRANSPORTATION

PIN
16123.50
HIGHWAY PLANS

PROJ. MANAGER	J. KITTREDGE		
DESIGN DETAILED:	J. COFFIN	BY	DATE
CHECKED BY REVIEW:	J. COFFIN	----	----
DESIGN DETAILED:	----	----	----
DESIGN DETAILED:	----	----	----
REVISIONS 1	60% REVIEW - JAN 2009		01-08-09
REVISIONS 2	90% REVIEW - FEB 2009		02-12-09
REVISIONS 3	ISSUED FOR BID		05-28-09
REVISIONS 4	----	----	----
FIELD CHANGES	----	----	----

SIGNATURE

P.E. NUMBER

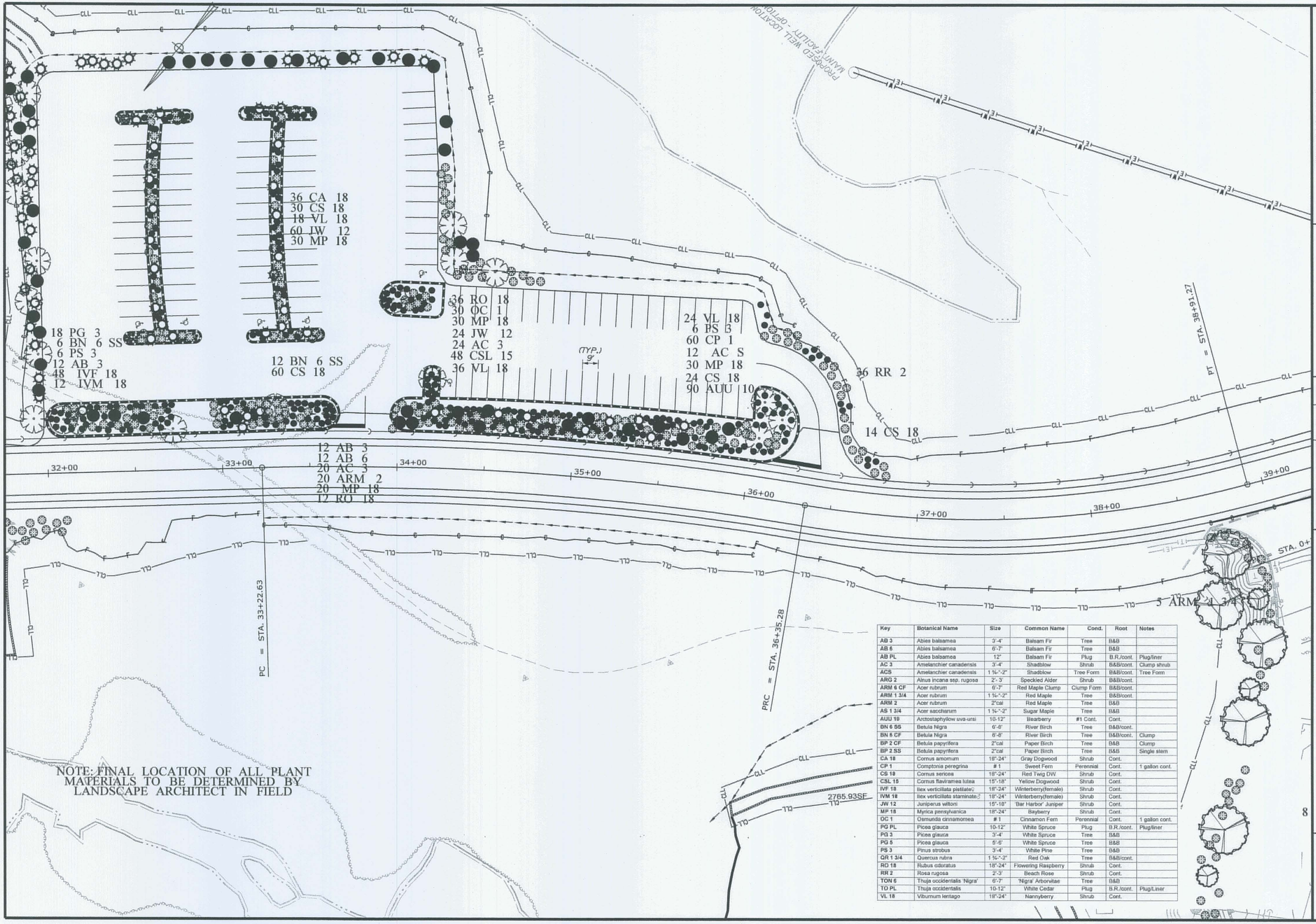
DATE

ACADIA GATEWAY FACILITY
BUS MAINTENANCE FACILITY

LANDSCAPE SHEET 3 OF 5

SHEET NUMBER
C-56
OF 63

Filename: ...\mst\a\057_ENVPLAN GATEWAY4.dgn Division: HIGHWAY Username: Jeffrey.Veilleux Date:9/10/2009



NOTE: FINAL LOCATION OF ALL PLANT MATERIALS TO BE DETERMINED BY LANDSCAPE ARCHITECT IN FIELD

Key	Botanical Name	Size	Common Name	Cond.	Root	Notes
AB 3	Abies balsamea	3'-4'	Balsam Fir	Tree	B&B	
AB 6	Abies balsamea	6'-7'	Balsam Fir	Tree	B&B	
AB PL	Abies balsamea	12"	Balsam Fir	Plug	B.R./cont.	Plug/liner
AC 3	Amelanchier canadensis	3'-4'	Shadblow	Shrub	B&B/cont.	Clump shrub
ACS	Amelanchier canadensis	1 ¾"-2"	Shadblow	Tree Form	B&B/cont.	Tree Form
ARG 2	Alnus incana ssp. rugosa	2'- 3'	Speckled Alder	Shrub	B&B/cont.	
ARM 6 CF	Acer rubrum	6'-7'	Red Maple Clump	Clump Form	B&B/cont.	
ARM 1 3/4	Acer rubrum	1 ¾"-2"	Red Maple	Tree	B&B/cont.	
ARM 2	Acer rubrum	2"cal	Red Maple	Tree	B&B	
AS 1 3/4	Acer saccharum	1 ¾"-2"	Sugar Maple	Tree	B&B	
AUU 10	Arctostaphyllow uva-ursi	10-12"	Bearberry	#1 Cont.	Cont.	
BN 6 SS	Betula Nigra	6'-8'	River Birch	Tree	B&B/cont.	
BN 6 CF	Betula Nigra	6'-8'	River Birch	Tree	B&B/cont.	Clump
BP 2 CF	Betula papyrifera	2"cal	Paper Birch	Tree	B&B	Clump
BP 2 SS	Betula papyrifera	2"cal	Paper Birch	Tree	B&B	Single stem
CA 18	Cornus amomum	18"-24"	Gray Dogwood	Shrub	Cont.	
CP 1	Comptonia peregrina	# 1	Sweet Fern	Perennial	Cont.	1 gallon cont.
CS 18	Cornus sericea	18"-24"	Red Twig DW	Shrub	Cont.	
CSL 15	Cornus flaviramea lutea	15"-18"	Yellow Dogwood	Shrub	Cont.	
IVF 18	Ilex verticillata pistilate;	18"-24"	Winterberry(female)	Shrub	Cont.	
IVM 18	Ilex verticillata staminate;	18"-24"	Winterberry(female)	Shrub	Cont.	
JW 12	Juniperus wiltoni	15"-18"	'Bar Harbor' Juniper	Shrub	Cont.	
MP 18	Myrica pensylvanica	18"-24"	Bayberry	Shrub	Cont.	
OC 1	Osmunda cinnamomea	# 1	Cinnamon Fern	Perennial	Cont.	1 gallon cont.
PG PL	Picea glauca	10-12"	White Spruce	Plug	B.R./cont.	Plug/liner
PG 3	Picea glauca	3'-4'	White Spruce	Tree	B&B	
PG 5	Picea glauca	5'-6'	White Spruce	Tree	B&B	
PS 3	Pinus strobus	3'-4'	White Pine	Tree	B&B	
QR 1 3/4	Quercus rubra	1 ¾"-2"	Red Oak	Tree	B&B/cont.	
RO 18	Rubus odoratus	18"-24"	Flowering Raspberry	Shrub	Cont.	
RR 2	Rosa rugosa	2'-3'	Beach Rose	Shrub	Cont.	
TON 6	Thuja occidentalis 'Nigra'	6'-7'	'Nigra' Arborvitae	Tree	B&B	
TO PL	Thuja occidentalis	10-12"	White Cedar	Plug	B.R./cont.	Plug/Liner
VL 18	Viburnum lentago	18"-24"	Nannyberry	Shrub	Cont.	

STA. 32+00.00 TO STA. 39+00.00

STATE OF MAINE
DEPARTMENT OF TRANSPORTATION

PIN
16123.50

HIGHWAY PLANS

	BY	DATE
PROJ. MANAGER	J. KITTREDGE	
DESIGN-DETAILED	J. COFFIN	-----
CHECKED-REVIEWED	-----	-----
DESIGN-DETAILED2	-----	-----
DESIGN-DETAILED3	-----	-----
REVISIONS 1	60% REVIEW - JAN 2009	01-08-09
REVISIONS 2	90% REVIEW - FEB 2009	02-12-09
REVISIONS 3	ISSUED FOR BID	05-28-09
REVISIONS 4	-----	-----
FIELD CHANGES	-----	-----

SIGNATURE

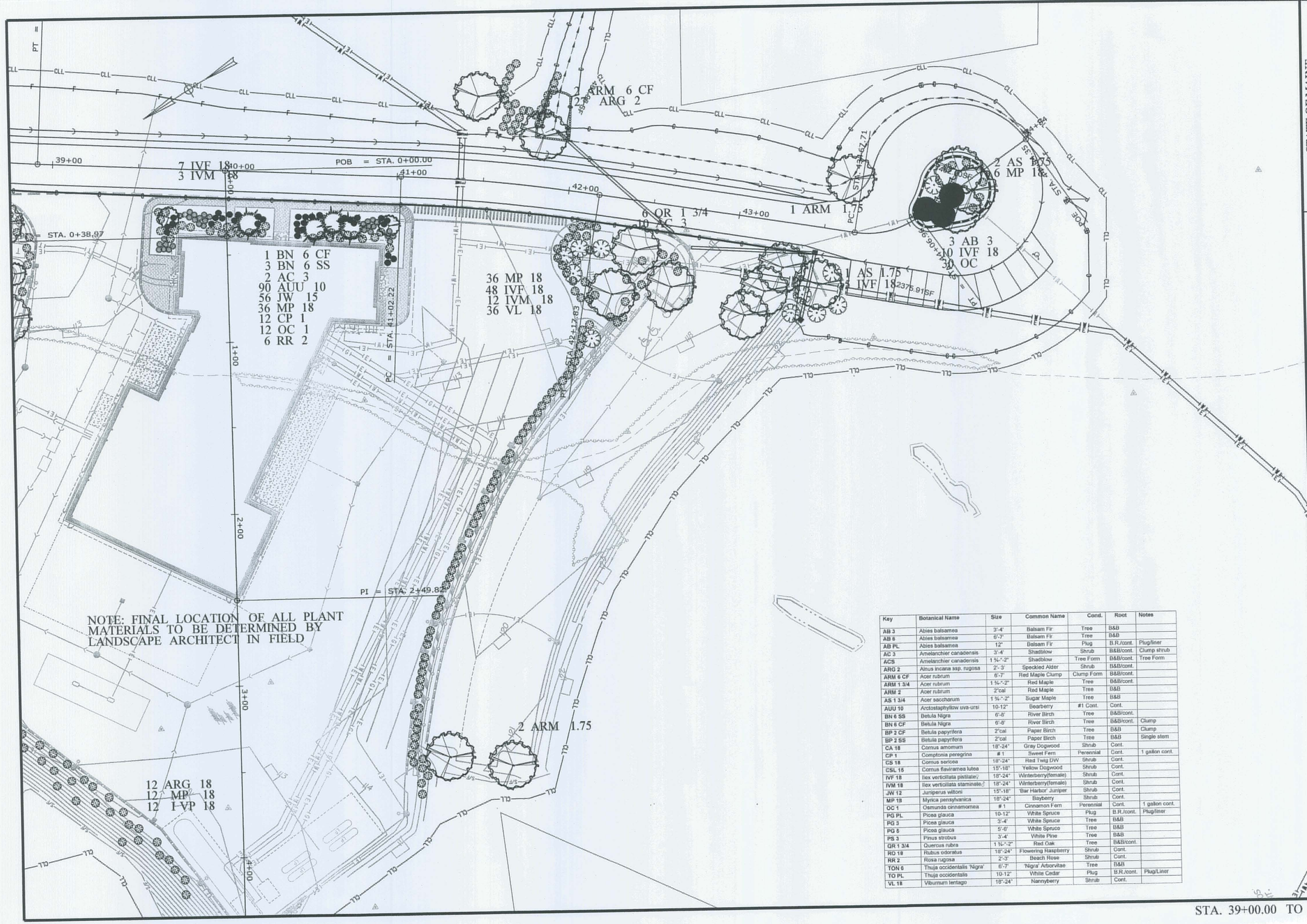
P.E. NUMBER

DATE

ACADIA GATEWAY FACILITY
BUS MAINTENANCE FACILITY

LANDSCAPE SHEET 4 OF 5

SHEET NUMBER
C-57
OF 63



Key	Botanical Name	Size	Common Name	Cond.	Root	Notes
AB 3	Abies balsamea	3'-4'	Balsam Fir	Tree	B&B	
AB 6	Abies balsamea	6'-7'	Balsam Fir	Tree	B&B	
AB PL	Abies balsamea	12"	Balsam Fir	Plug	B.R./cont.	Plug/liner
AC 3	Amelanchier canadensis	3'-4'	Shadblow	Shrub	B&B/cont.	Clump shrub
ACS	Amelanchier canadensis	1 ¾"-2"	Shadblow	Tree Form	B&B/cont.	Tree Form
ARG 2	Alnus incana ssp. rugosa	2'- 3'	Speckled Alder	Shrub	B&B/cont.	
ARM 6 CF	Acer rubrum	6'-7'	Red Maple Clump	Clump Form	B&B/cont.	
ARM 1 3/4	Acer rubrum	1 ¾"-2"	Red Maple	Tree	B&B/cont.	
ARM 2	Acer rubrum	2"cal	Red Maple	Tree	B&B	
AS 1 3/4	Acer saccharum	1 ¾"-2"	Sugar Maple	Tree	B&B	
AUU 10	Arctostaphyllow uva-ursi	10-12"	Bearberry	#1 Cont.	Cont.	
BN 6 SS	Betula Nigra	6'-8'	River Birch	Tree	B&B/cont.	
BN 6 CF	Betula Nigra	6'-8'	River Birch	Tree	B&B/cont.	Clump
BP 2 CF	Betula papyrifera	2"cal	Paper Birch	Tree	B&B	Clump
BP 2 SS	Betula papyrifera	2"cal	Paper Birch	Tree	B&B	Single stem
CA 18	Cornus amomum	18"-24"	Gray Dogwood	Shrub	Cont.	
CP 1	Comptonia peregrina	# 1	Sweet Fern	Perennial	Cont.	1 gallon cont.
CS 18	Cornus sericea	18"-24"	Red Twig DW	Shrub	Cont.	
CSL 15	Cornus flaviramea lutea	15"-18"	Yellow Dogwood	Shrub	Cont.	
IVF 18	Ilex verticillata pistillate	18"-24"	Winterberry(female)	Shrub	Cont.	
IVM 18	Ilex verticillata staminate	18"-24"	Winterberry(female)	Shrub	Cont.	
JW 12	Juniperus wiltoni	15"-18"	'Bar Harbor' Juniper	Shrub	Cont.	
MP 18	Myrica pensylvanica	18"-24"	Bayberry	Shrub	Cont.	
OC 1	Osmunda cinnamomea	# 1	Cinnamon Fern	Perennial	Cont.	1 gallon cont.
PG PL	Picea glauca	10-12"	White Spruce	Plug	B.R./cont.	Plug/liner
PG 3	Picea glauca	3'-4'	White Spruce	Tree	B&B	
PG 6	Picea glauca	5'-6'	White Spruce	Tree	B&B	
PS 3	Pinus strobus	3'-4'	White Pine	Tree	B&B	
QR 1 3/4	Quercus rubra	1 ¾"-2"	Red Oak	Tree	B&B/cont.	
RD 18	Rubus odoratus	18"-24"	Flowering Raspberry	Shrub	Cont.	
RR 2	Rosa rugosa	2'-3'	Beach Rose	Shrub	Cont.	
TON 6	Thuja occidentalis 'Nigra'	6'-7'	'Nigra' Arborvitae	Tree	B&B	
TO PL	Thuja occidentalis	10-12"	White Cedar	Plug	B.R./cont.	Plug/Liner
VL 18	Viburnum lentago	18"-24"	Nannyberry	Shrub	Cont.	

STA. 39+00.00 TO STA. 44+84.35

STATE OF MAINE
DEPARTMENT OF TRANSPORTATION

PIN
16123.50
HIGHWAY PLANS

	BY	DATE
PROJ. MANAGER	J. KITTREDGE	
DESIGN-DETAILED	J. COFFIN	
CHECKED-REVIEWED	-----	SIGNATURE
DESIGN-DETAILED	-----	
DESIGN-DETAILED	-----	P.E. NUMBER
REVISIONS 1	60% REVIEW - JAN 2009	01-08-09
REVISIONS 2	90% REVIEW - FEB 2009	02-12-09
REVISIONS 3	ISSUED FOR BID	05-28-09
REVISIONS 4	-----	DATE
FIELD CHANGES	-----	

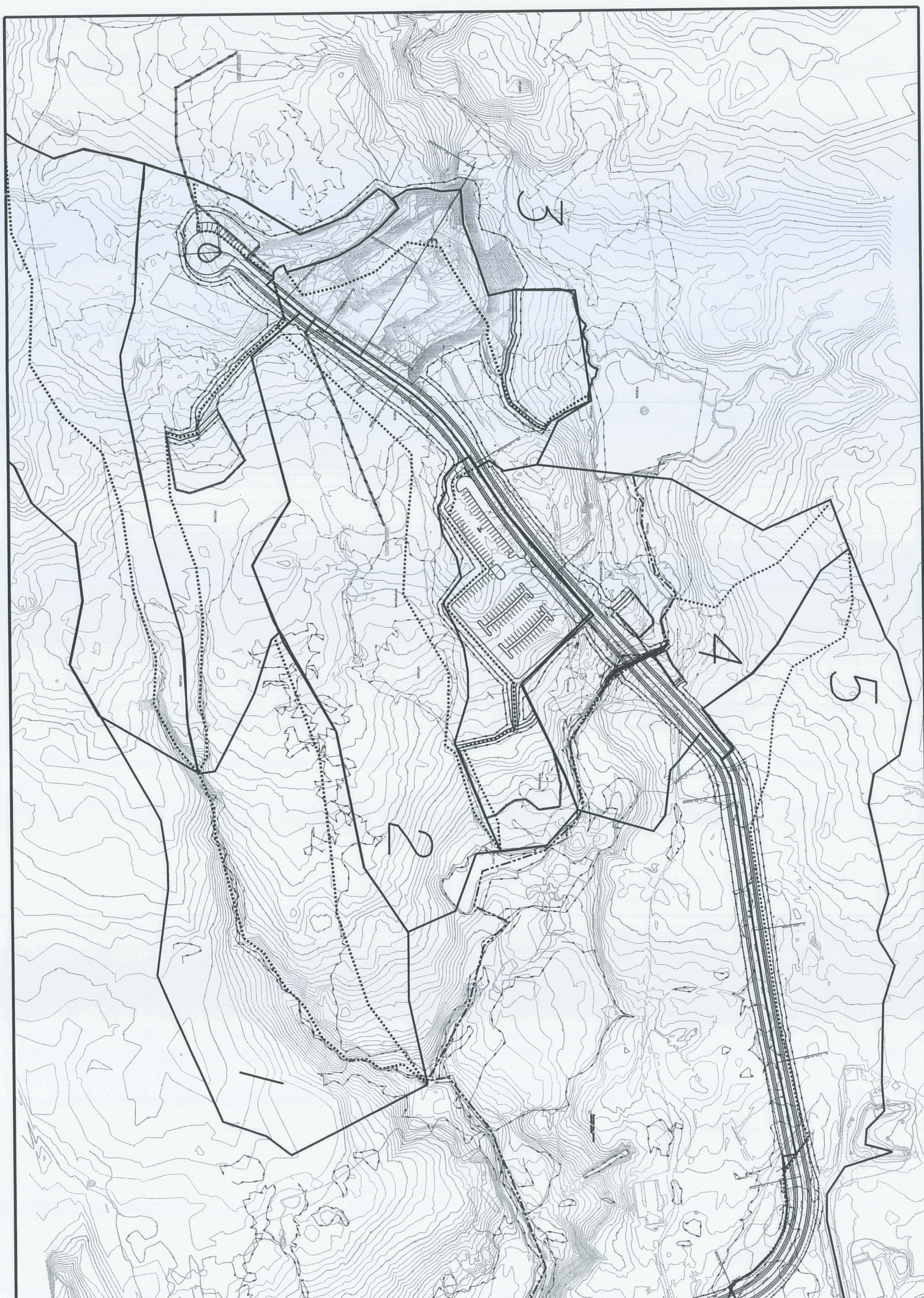
ACADIA GATEWAY FACILITY
BUS MAINTENANCE FACILITY

LANDSCAPT SHEET 5 OF 5

SHEET NUMBER
C-58
OF 63

Filename: ...\msta\058_ENVPLAN GATEWAY5.dgn Division: HIGHWAY Username: Jeffrey.Veilleux Date:9/10/2009

Filename: ...\msta\059_DEP_HDPlan1.dgn Division: HIGHWAY Username: Jeffrey.Veilleux Date:9/10/2009



ACADIA GATEWAY FACILITY
BUS MAINTENANCE FACILITY

ENVIRONMENTAL PLAN VIEW

SHEET NUMBER C-59 OF 63

PROJ. MANAGER	J. KITTREDGE	BY	DATE
DESIGN-DETAILED	J. COFFIN	J. COFFIN	
CHECKED-REVIEWED			
DESIGN2-DETAILED2			
DESIGN3-DETAILED3			
REVISIONS 1	60% REVIEW - JAN 2009		01-08-09
REVISIONS 2	90% REVIEW - FEB 2009		02-12-09
REVISIONS 3	ISSUED FOR BID		05-28-09
REVISIONS 4			
FIELD CHANGES			

SIGNATURE

P.E. NUMBER

DATE

STATE OF MAINE
DEPARTMENT OF TRANSPORTATION

PIN
16123.50

HIGHWAY PLANS

Filename: ...\msta\060_DEP_HDPlan2.dgn Division: HIGHWAY Username: Jeffrey.Veilleux Date:9/10/2009

PROJ. MANAGER	J. KITTREDGE	BY	DATE
DESIGN-DETAILED	J. COFFIN	J. COFFIN	
CHECKED-REVIEWED			
DESIGN2-DETAILED2			
DESIGN3-DETAILED3			
REVISIONS 1	60% REVIEW - JAN 2009		01-08-09
REVISIONS 2	90% REVIEW - FEB 2009		02-12-09
REVISIONS 3	ISSUED FOR BID		05-28-09
REVISIONS 4			
FIELD CHANGES			

SHEET NUMBER C-60 OF 63

ACADIA GATEWAY FACILITY
BUS MAINTENANCE FACILITY

ENVIRONMENTAL PLAN VIEW

SIGNATURE

P.E. NUMBER

DATE

STATE OF MAINE
DEPARTMENT OF TRANSPORTATION

PIN
16123.50

HIGHWAY PLANS

Filename: ...\msta\061_DEP_HDPlan3.dgn Division: HIGHWAY Username: Jeffrey.Veilleux Date:9/10/2009

PROJ. MANAGER	J. KITTREDGE	BY	DATE
DESIGN-DETAILED	J. COFFIN	J. COFFIN	
CHECKED-REVIEWED			
DESIGN2-DETAILED2			
DESIGN3-DETAILED3			
REVISIONS 1	60% REVIEW - JAN 2009		01-08-09
REVISIONS 2	90% REVIEW - FEB 2009		02-12-09
REVISIONS 3	ISSUED FOR BID		05-28-09
REVISIONS 4			
FIELD CHANGES			

SIGNATURE

P.E. NUMBER

DATE

SHEET NUMBER C-61 OF 63

ACADIA GATEWAY FACILITY
BUS MAINTENANCE FACILITY

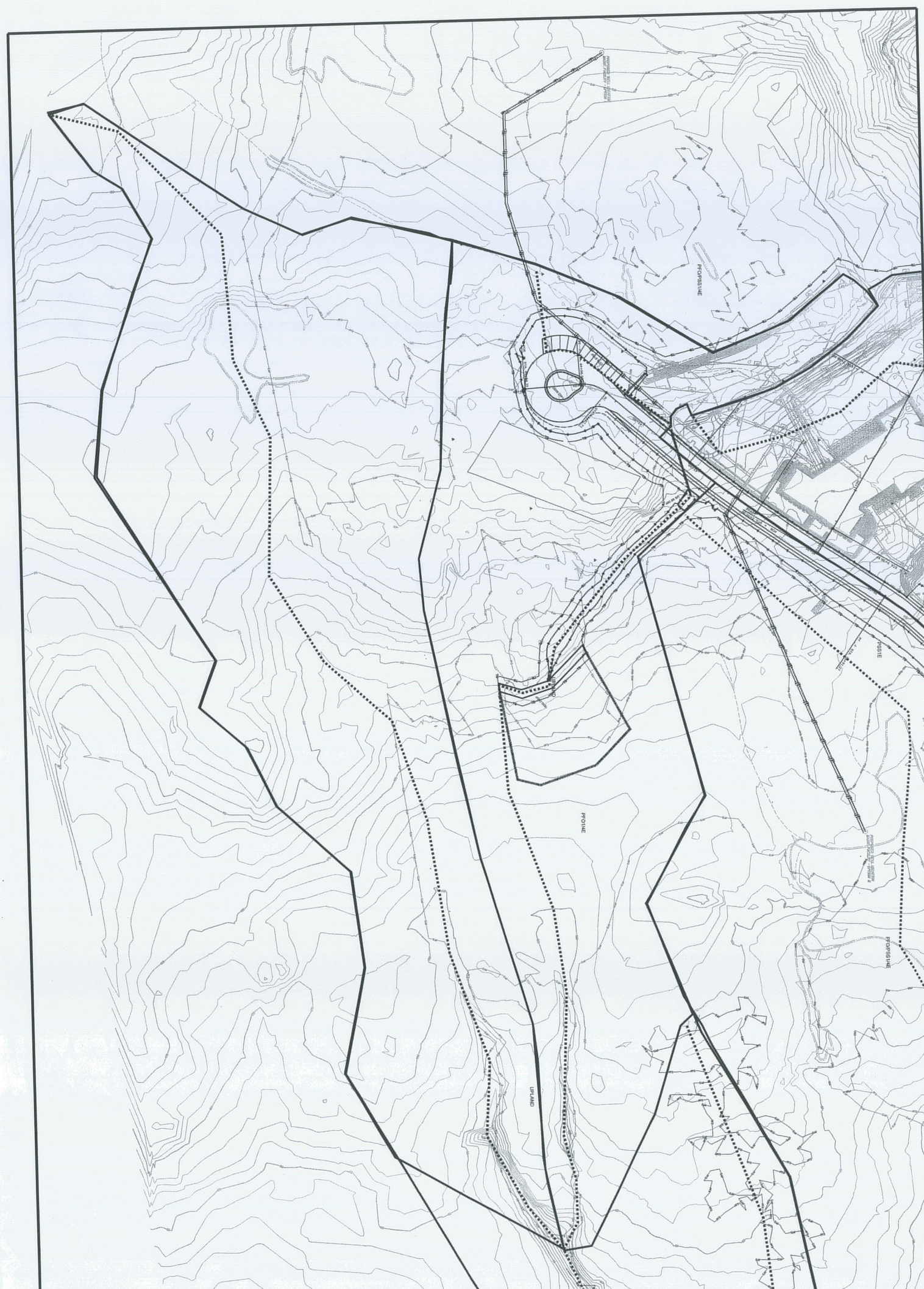
ENVIRONMENTAL PLAN VIEW

STATE OF MAINE
DEPARTMENT OF TRANSPORTATION

PIN 16123.50

HIGHWAY PLANS

Filename: ...\msta\062_DEP_HDPlan4.dgn Division: HIGHWAY Username: Jeffrey.Veilleux Date:9/10/2009



ACADIA GATEWAY FACILITY
BUS MAINTENANCE FACILITY

ENVIRONMENTAL PLAN VIEW

	PROJ. MANAGER	J. KITTREDGE	BY	DATE
	DESIGN-DETAILED	J. COFFIN	J. COFFIN	
	CHECKED-REVIEWED			
	DESIGN2-DETAILED2			
	DESIGN3-DETAILED3			
	REVISIONS 1	60% REVIEW - JAN 2009		01-08-09
	REVISIONS 2	90% REVIEW - FEB 2009		02-12-09
	REVISIONS 3	ISSUED FOR BID		05-28-09
	REVISIONS 4			
	FIELD CHANGES			

SIGNATURE

P.E. NUMBER

DATE

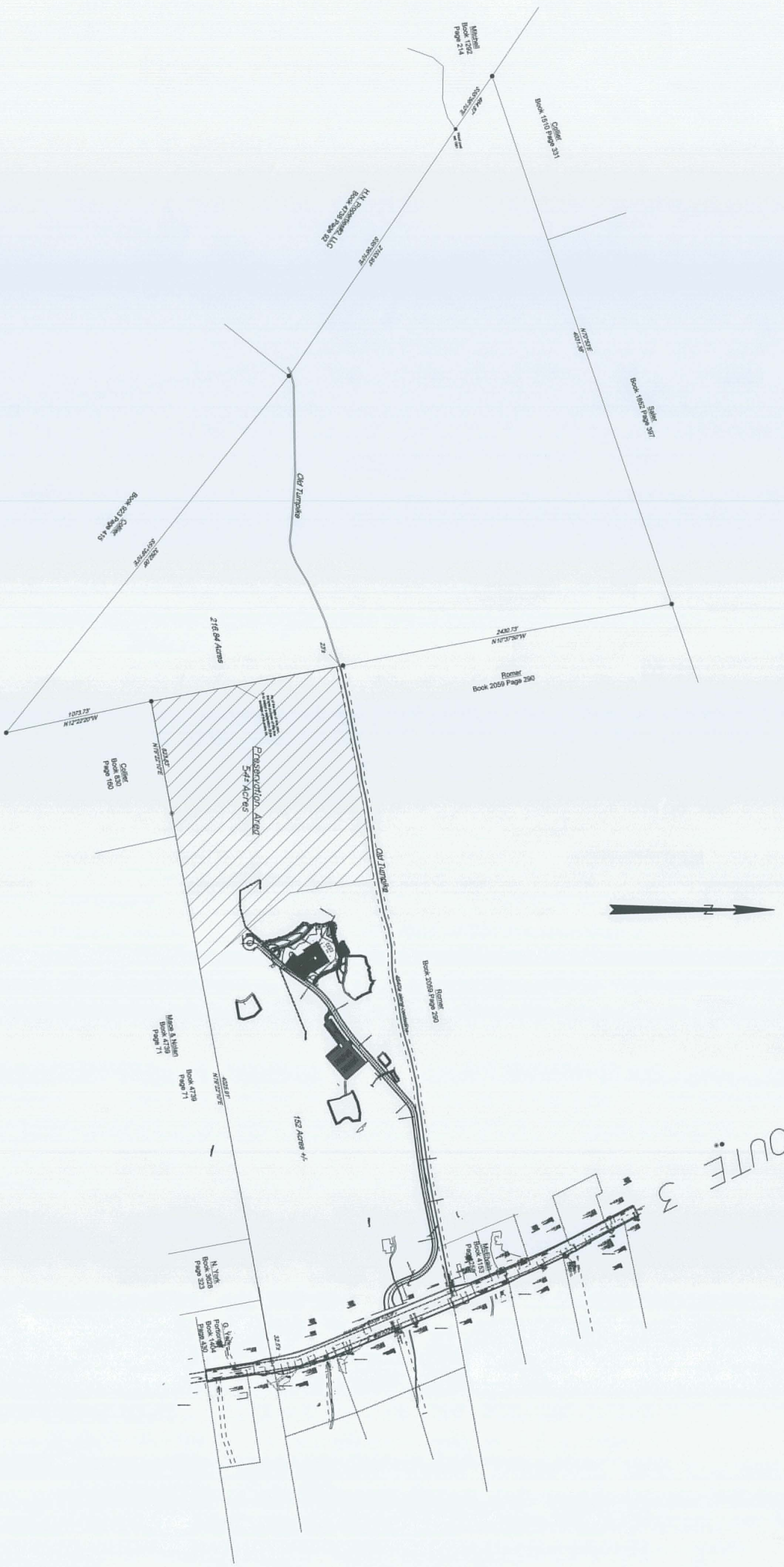
STATE OF MAINE
DEPARTMENT OF TRANSPORTATIO

PIN
16123.50

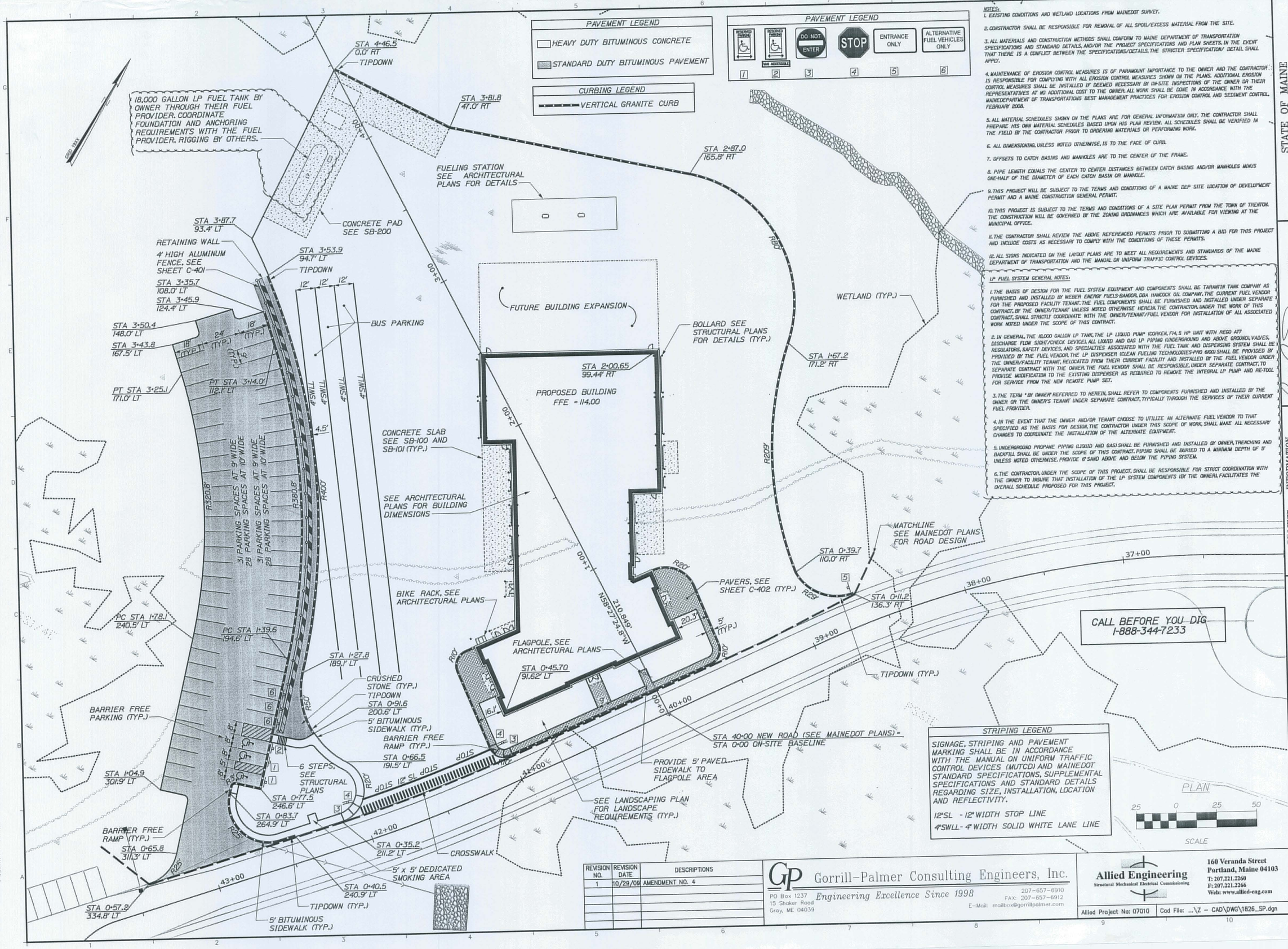
HIGHWAY P

SHEET NUMBER
C-62
OF 63

Filename: ...\highway\msta\063_GatewayRW.dgn Division: HIGHWAY Username: Jeffrey.Veilleux Date:8/24/2009



SHEET NUMBER C-63 OF 63	ACADIA GATEWAY FACILITY BUS MAINTENANCE FACILITY BOUNDARY PLAN	PROJ. MANAGER J. KITTREDGE / BY / DATE		STATE OF MAINE DEPARTMENT OF TRANSPORTATION
		DESIGN-DETAILED J. COFFIN / J. COFFIN		
		CHECKED-REVIEWED	SIGNATURE	
		DESIGN2-DETAILED2		
		DESIGN3-DETAILED3		
		REVISIONS 1: 60% REVIEW - JAN 2009 / 01-08-09	P.E. NUMBER	
		REVISIONS 2: 90% REVIEW - FEB 2009 / 02-12-09		
		REVISIONS 3: ISSUED FOR BID / 05-28-09	DATE	
		REVISIONS 4		PIN 16123.50 HIGHWAY PLANS
		FIELD CHANGES		



NOTES:

1. EXISTING CONDITIONS AND WETLAND LOCATIONS FROM MAINEDOT SURVEY.
2. CONTRACTOR SHALL BE RESPONSIBLE FOR REMOVAL OF ALL SPOIL/EXCESS MATERIAL FROM THE SITE.
3. ALL MATERIALS AND CONSTRUCTION METHODS SHALL CONFORM TO MAINE DEPARTMENT OF TRANSPORTATION SPECIFICATIONS AND STANDARD DETAILS, AND/OR THE PROJECT SPECIFICATIONS AND PLAN SHEETS. IN THE EVENT THAT THERE IS A CONFLICT BETWEEN THE SPECIFICATIONS/DETAILS, THE STRICTER SPECIFICATION/ DETAIL SHALL APPLY.
4. MAINTENANCE OF EROSION CONTROL MEASURES IS OF PARAMOUNT IMPORTANCE TO THE OWNER AND THE CONTRACTOR IS RESPONSIBLE FOR COMPLYING WITH ALL EROSION CONTROL MEASURES SHOWN ON THE PLANS. ADDITIONAL EROSION CONTROL MEASURES SHALL BE INSTALLED IF DEEMED NECESSARY BY ON-SITE INSPECTIONS OF THE OWNER OR THEIR REPRESENTATIVES AT NO ADDITIONAL COST TO THE OWNER. ALL WORK SHALL BE DONE IN ACCORDANCE WITH THE MAINEDEPARTMENT OF TRANSPORTATIONS BEST MANAGEMENT PRACTICES FOR EROSION CONTROL AND SEDIMENT CONTROL. FEBRUARY 2008.
5. ALL MATERIAL SCHEDULES SHOWN ON THE PLANS ARE FOR GENERAL INFORMATION ONLY. THE CONTRACTOR SHALL PREPARE HIS OWN MATERIAL SCHEDULES BASED UPON HIS PLAN REVIEW. ALL SCHEDULES SHALL BE VERIFIED IN THE FIELD BY THE CONTRACTOR PRIOR TO ORDERING MATERIALS OR PERFORMING WORK.
6. ALL DIMENSIONING, UNLESS NOTED OTHERWISE, IS TO THE FACE OF CURB.
7. OFFSETS TO CATCH BASINS AND MANHOLES ARE TO THE CENTER OF THE FRAME.
8. PIPE LENGTH EQUALS THE CENTER TO CENTER DISTANCES BETWEEN CATCH BASINS AND/OR MANHOLES MINUS ONE-HALF OF THE DIAMETER OF EACH CATCH BASIN OR MANHOLE.
9. THIS PROJECT WILL BE SUBJECT TO THE TERMS AND CONDITIONS OF A MAINE DEP SITE LOCATION OF DEVELOPMENT PERMIT AND A MAINE CONSTRUCTION GENERAL PERMIT.
10. THIS PROJECT IS SUBJECT TO THE TERMS AND CONDITIONS OF A SITE PLAN PERMIT FROM THE TOWN OF TRENTON. THE CONSTRUCTION WILL BE GOVERNED BY THE ZONING ORDINANCES WHICH ARE AVAILABLE FOR VIEWING AT THE MUNICIPAL OFFICE.
11. THE CONTRACTOR SHALL REVIEW THE ABOVE REFERENCED PERMITS PRIOR TO SUBMITTING A BID FOR THIS PROJECT AND INCLUDE COSTS AS NECESSARY TO COMPLY WITH THE CONDITIONS OF THESE PERMITS.
12. ALL SIGNS INDICATED ON THE LAYOUT PLANS ARE TO MEET ALL REQUIREMENTS AND STANDARDS OF THE MAINE DEPARTMENT OF TRANSPORTATION AND THE MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES.

LP FUEL SYSTEM GENERAL NOTES:

1. THE BASIS OF DESIGN FOR THE FUEL SYSTEM EQUIPMENT AND COMPONENTS SHALL BE TARANTIN TANK COMPANY AS FURNISHED AND INSTALLED BY WEBER ENERGY FUELS-BANGOR, DBA HANCOCK OIL COMPANY. THE CURRENT FUEL VENDOR FOR THE PROPOSED FACILITY TENANT. THE FUEL COMPONENTS SHALL BE FURNISHED AND INSTALLED UNDER SEPARATE CONTRACT, BY THE OWNER/TENANT UNLESS NOTED OTHERWISE HEREIN. THE CONTRACTOR, UNDER THE WORK OF THIS CONTRACT, SHALL STRICTLY COORDINATE WITH THE OWNER/TENANT/FUEL VENDOR FOR INSTALLATION OF ALL ASSOCIATED WORK NOTED UNDER THE SCOPE OF THIS CONTRACT.
2. IN GENERAL, THE 18,000 GALLON LP TANK, THE LP LIQUID PUMP (CORKEN, F14, 5 HP UNIT WITH REGO ATT REGULATORS, SAFETY DEVICES, AND SPECIALTIES ASSOCIATED WITH THE FUEL TANK AND DISPENSING SYSTEM SHALL BE PROVIDED BY THE FUEL VENDOR. THE LP DISPENSER (CLEAN FUELING TECHNOLOGIES-PRO 6100) SHALL BE PROVIDED BY THE OWNER/FACILITY TENANT, RELOCATED FROM THEIR CURRENT FACILITY AND INSTALLED BY THE FUEL VENDOR UNDER SEPARATE CONTRACT WITH THE OWNER. THE FUEL VENDOR SHALL BE RESPONSIBLE, UNDER SEPARATE CONTRACT, TO PROVIDE MODIFICATION TO THE EXISTING DISPENSER AS REQUIRED TO REMOVE THE INTEGRAL LP PUMP AND RE-TOOL FOR SERVICE FROM THE NEW REMOTE PUMP SET.
3. THE TERM "BY OWNER" REFERRED TO HEREIN, SHALL REFER TO COMPONENTS FURNISHED AND INSTALLED BY THE OWNER OR THE OWNER'S TENANT UNDER SEPARATE CONTRACT, TYPICALLY THROUGH THE SERVICES OF THEIR CURRENT FUEL PROVIDER.
4. IN THE EVENT THAT THE OWNER AND/OR TENANT CHOOSE TO UTILIZE AN ALTERNATE FUEL VENDOR TO THAT SPECIFIED AS THE BASIS FOR DESIGN, THE CONTRACTOR UNDER THIS SCOPE OF WORK, SHALL MAKE ALL NECESSARY CHANGES TO COORDINATE THE INSTALLATION OF THE ALTERNATE EQUIPMENT.
5. UNDERGROUND PROPANE PIPING (LIQUID AND GAS) SHALL BE FURNISHED AND INSTALLED BY OWNER, TRENCHING AND BACKFILL SHALL BE UNDER THE SCOPE OF THIS CONTRACT. PIPING SHALL BE BURIED TO A MINIMUM DEPTH OF 5' UNLESS NOTED OTHERWISE. PROVIDE 6" SAND ABOVE AND BELOW THE PIPING SYSTEM.
6. THE CONTRACTOR, UNDER THE SCOPE OF THIS PROJECT, SHALL BE RESPONSIBLE FOR STRICT COORDINATION WITH THE OWNER TO INSURE THAT INSTALLATION OF THE LP SYSTEM COMPONENTS (BY THE OWNER), FACILITATES THE OVERALL SCHEDULE PROPOSED FOR THIS PROJECT.

REVISION NO.	REVISION DATE	DESCRIPTIONS
1	10/29/09	AMENDMENT NO. 4

Gorrill-Palmer Consulting Engineers, Inc.
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Gray, ME 04039
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207-657-6910
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E-Mail: mailbox@gorrillpalmer.com

Allied Engineering
Structural Mechanical Electrical Commissioning
160 Veranda Street
Portland, Maine 04103
T: 207.221.2260
F: 207.221.2266
Web: www.allied-eng.com

Allied Project No: 07010 | Cad File: ...\Z - CAD\DWG\1826_SP.dgn

STATE OF MAINE
DEPARTMENT OF TRANSPORTATION
DATE: MAY 1, 2009
FED PIN NO:
PIN NO: 16123.50

STATE OF MAINE — ALTON M. PALMER — No. 6251 — REGISTERED PROFESSIONAL ENGINEER

SIGNATURE
6251
P.E. NUMBER
10-26-09
DATE

PROJECT INFORMATION	
PROGRAM	-
PROJECT MANAGER	WPF
DESIGNER	-
CONSULTANT	ALLIED ENGINEERING
PROJECT RESIDENT	-
CONTRACTOR	-
PROJECT COMPLETION DATE	-

MAINE DEPARTMENT OF TRANSPORTATION
ACADIA GATEWAY FACILITY
BUS MAINTENANCE FACILITY

Site Layout Plan

SHEET NUMBER
C-101
OF 8

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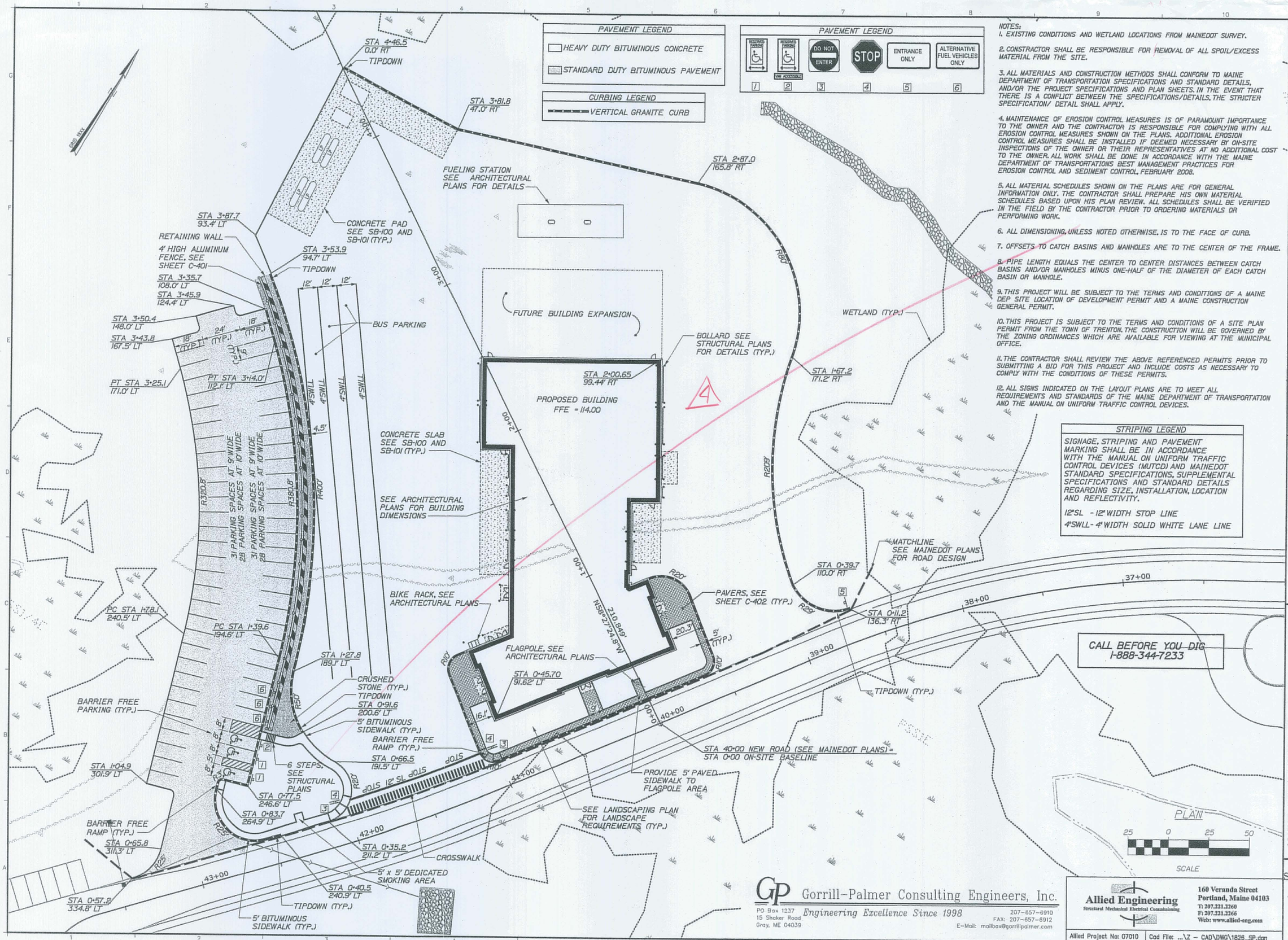
Filename: ...\Z - CAD\DWG\1826_SP.dgn Division: HIGHWAY Username: dburgess Date:10/26/2009



NOTES:

1. EXISTING CONDITIONS AND WETLAND LOCATIONS FROM MAINEDOT SURVEY.
2. CONTRACTOR SHALL BE RESPONSIBLE FOR REMOVAL OF ALL SPOIL/EXCESS MATERIAL FROM THE SITE.
3. ALL MATERIALS AND CONSTRUCTION METHODS SHALL CONFORM TO MAINE DEPARTMENT OF TRANSPORTATION SPECIFICATIONS AND STANDARD DETAILS, AND/OR THE PROJECT SPECIFICATIONS AND PLAN SHEETS. IN THE EVENT THAT THERE IS A CONFLICT BETWEEN THE SPECIFICATIONS/DETAILS, THE STRICTER SPECIFICATION/ DETAIL SHALL APPLY.
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8. PIPE LENGTH EQUALS THE CENTER TO CENTER DISTANCES BETWEEN CATCH BASINS AND/OR MANHOLES MINUS ONE-HALF OF THE DIAMETER OF EACH CATCH BASIN OR MANHOLE.
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11. THE CONTRACTOR SHALL REVIEW THE ABOVE REFERENCED PERMITS PRIOR TO SUBMITTING A BID FOR THIS PROJECT AND INCLUDE COSTS AS NECESSARY TO COMPLY WITH THE CONDITIONS OF THESE PERMITS.
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STRIPING LEGEND

SIGNAGE, STRIPING AND PAVEMENT MARKING SHALL BE IN ACCORDANCE WITH THE MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES (MUTCD) AND MAINEDOT STANDARD SPECIFICATIONS, SUPPLEMENTAL SPECIFICATIONS AND STANDARD DETAILS REGARDING SIZE, INSTALLATION, LOCATION AND REFLECTIVITY.

12"SL - 12" WIDTH STOP LINE
4"SWLL- 4" WIDTH SOLID WHITE LANE LINE

STATE OF MAINE
DEPARTMENT OF TRANSPORTATION

	DATE
FED PIN NO:	MAY 1, 2009
PIN NO: 16123.50	

STATE OF MAINE — DOUGLAS E. PALMER — REGISTERED PROFESSIONAL ENGINEER — No. 9818

SIGNATURE 9818
P.E. NUMBER
8-4-09
DATE

PROJECT INFORMATION		
PROGRAM	-	
PROJECT MANAGER	WFP	
DESIGNER	-	
CONSULTANT	ALLIED ENGINEERING	
PROJECT RESIDENT	-	-
CONTRACTOR	-	-
PROJECT COMPLETION DATE	-	-

MAINE DEPARTMENT OF TRANSPORTATION
ACADIA GATEWAY FACILITY
BUS MAINTENANCE FACILITY

Site Layout Plan

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GP Gorrill-Palmer Consulting Engineers, Inc.
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Web: www.allied-eng.com

Allied Project No: 07010 | Cad File: ...\Z - CAD\DWG\1826_SP.dgn

SHEET NUMBER
C-101
OF 8

Filename: ...\Z - CAD\DWG\1826_SP.dgn Division: HIGHWAY Username: dburgess Date:8/4/2009

NOTES:
1. ELECTRICAL INFORMATION, INCLUDING PRIMARY AND SECONDARY SERVICE AS WELL AS LIGHTING AND TELEPHONE, SHOWN FOR COORDINATION PURPOSES. REFER TO ELECTRICAL SITE PLAN ES-100 BY ALLIED ENGINEERING FOR DESIGN INFORMATION INCLUDING TRENCH SECTION.

2. SEE HHE-200 APPLICATION FOR SEPTIC SYSTEM INFORMATION.

3. COORDINATE ALL UTILITY ENTRY POINTS WITH APPROPRIATE TRADES PRIOR TO CONSTRUCTION.

COORDINATE WATER LOCATION WITH TANK INSTALLER

SEE HHE-200 FOR SEPTIC SYSTEM DESIGN

ASSUMED INV IN = 103.25
VERIFY DISPOSAL AREA ELEVATIONS WITH HHE-200 PRIOR TO SETTING SANITARY SEWER PIPE INVERT

UNDERGROUND SPRINKLER WATER STORAGE TANKS, SEE SPRINKLER PLANS

2-8" 1/8 BENDS

GENERATOR SEE ES-100

ABOVEGROUND PROPANE TANKS BY OWNER, SEE MECHANICAL PLANS

SEE SHEET ES-100

1 1/2" LP TO TANKS

8" 1/16 BEND

FUELING STATION, SEE ARCHITECTURAL PLANS

5,000 GALLON WASH WATER HOLDING TANK WITH HIGH WATER LEVEL ALARM AND RISERS TO GRADE
INV IN = 108.50
REFER TO DETAILS ON SHEET C-403

EXTEND 2" FM INTO MANWAY AND CAP FOR FUTURE USE, INV = 110.00

2" FM FOR FUTURE USE

SEE SHEET ES-100

SLOPE 8" PIPE TO DRAIN TO STORAGE TANK

SEE SHEET ES-100

ELECTRICAL SUPPLY FOR HIGH WATER ALARM. ADDITIONAL CONDUIT FOR FUTURE PUMP CONTROL, SEE ES-100

6" BUS WASH OVERFLOW TO HOLDING TANK
L=167.0'
S=0.0222

6" 8" SAN. SEWER
L=170.0'
S=0.0242

1,000 GALLON H.D. SEPTIC TANK WITH RISERS TO GRADE. INSTALL PER MANUFACTURER'S DETAILS.
INV IN = 107.62
INV OUT = 107.37

2" WATER TANK SUPPLY LINE

8" FIRE SPRINKLER SERVICE

CAP FM INSIDE SEPTIC TANK

8" SAN. SEWER
L=4.0'
S=0.0250

1,000 GALLON H.D. SEPTIC TANK WITH RISERS TO GRADE. INSTALL PER MANUFACTURER'S DETAILS.
INV IN = 107.97
INV OUT = 107.72

LIGHTS (TYP.) SEE SHEET ES-100

6" BUS WASH DRAIN
INV = 112.20

BLOCK HEATER (TYP.) SEE SHEET ES-100

SEE SHEET ES-100 FOR ELECTRICAL SERVICE ENTRY POINT AND TRENCH REQUIREMENTS

WELL

Elec To Block Heaters

2-8" 1/8 BENDS

2" CURB STOP

4" SAN. SEWER
L=94.0'
S=0.0208

MATCHLINE
SEE MAINEDOT PLANS FOR CONTINUATION OF ROAD DESIGN AND UTILITIES

CLEANOUT

Well Line & Elec

4" SEWER
INV = 110.70

SEE SHEET ES-100

PROPOSED BUILDING
FFE = 114.00

SEE SHEET ES-100

2" WATER SUPPLY LINE

Elec To Light Bases

1,000 GALLON H.D. SEPTIC TANK WITH RISERS TO GRADE. INSTALL PER MANUFACTURER'S DETAILS.
INV IN = 110.18
INV OUT = 109.93

4" SAN. SEWER
L=25.0'
S=0.0208

Retaining wall drain

OPTION 1

OPTION 2

2" WATER SUPPLY LINE

MATCHLINE
SEE MAINEDOT PLANS FOR CONTINUATION OF ROAD DESIGN AND UTILITIES

37+00
38+00
39+00
40+00
41+00
42+00
43+00

PLAN
25 0 25 50
SCALE

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Web: www.allied-eng.com

Allied Project No: 07010 | Cad File: ...\Z - CAD\DWG\1826_UTIL.dgn

STATE OF MAINE
DEPARTMENT OF TRANSPORTATION

DATE	
	MAY 1, 2009

FED PIN NO:
PIN NO: 16123.50

DONALD R. E. PETTERS No. 8068 REGISTERED PROFESSIONAL ENGINEER STATE OF MAINE

SIGNATURE
2968
P.E. NUMBER
8-4-09
DATE

PROJECT INFORMATION			
PROGRAM	-	WFF	-
PROJECT MANAGER	-		
DESIGNER	-	ALLIED ENGINEERING	-
CONSULTANT			
PROJECT RESIDENT	-	-	-
CONTRACTOR	-	-	-
PROJECT COMPLETION DATE			

MAINE DEPARTMENT OF TRANSPORTATION
ACADIA GATEWAY FACILITY
BUS MAINTENANCE FACILITY

Utility Plan

SHEET NUMBER
C-102
OF 8

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Filename: ...\Z - CAD\DWG\1826_UTIL.dgn Division: HIGHWAY Username: dburgess Date:8/4/2009

Filename: ...\Z - CAD\DWG\1826_UTIL.dgn Division: HIGHWAY Username: dburgess Date:10/26/2009

SEE HHE-200 FOR SEPTIC SYSTEM DESIGN

COORDINATE WATER LOCATION WITH TANK INSTALLER

2" PUMPED LP TO FUEL DISPENSER. PIPING SHALL BE FURNISHED AND INSTALLED BY THE OWNER AS NOTED HEREIN. COORDINATE TRENCHING AND BACKFILL REQUIREMENTS

ASSUMED INV IN = 103.25
VERIFY DISPOSAL AREA ELEVATIONS WITH HHE-200 PRIOR TO SETTING SANITARY SEWER PIPE INVERT

UNDERGROUND SPRINKLER WATER STORAGE TANKS. SEE SPRINKLER PLANS

2-8" 1/8 BENDS

GENERATOR SEE ES-100

LP PUMP BY OWNER AS NOTED HEREIN. COORDINATE ANCHORING REQUIREMENTS

ABOVEGROUND PROPANE TANK BY OWNER

5,000 GALLON WASH WATER HOLDING TANK WITH HIGH WATER LEVEL ALARM AND RISERS TO GRADE
INV IN = 108.50
REFER TO DETAILS ON SHEET C-403

FUELING STATION. SEE ARCHITECTURAL PLANS

8" 1/16 BEND

SEE SHEET ES-100

EXTEND 2" FM INTO MANWAY AND CAP FOR FUTURE USE, INV = 110.00

2" FM FOR FUTURE USE

1 1/2" LP GAS SERVICE BY OWNER AS NOTED HEREIN

SEE SHEET ES-100

ELECTRICAL SUPPLY FOR HIGH WATER ALARM, ADDITIONAL CONDUIT FOR FUTURE PUMP CONTROL. SEE ES-100

SLOPE 8" PIPE TO DRAIN TO STORAGE TANK

SEE SHEET ES-100

6" BUS WASH OVERFLOW TO HOLDING TANK
L=467.0'
S=0.0222

8" SAN. SEWER
L=170.0'
S=0.0242

1,000 GALLON H.D. SEPTIC TANK WITH RISERS TO GRADE. INSTALL PER MANUFACTURER'S DETAILS.
INV IN = 107.62
INV OUT = 107.37

2" WATER TANK SUPPLY LINE

8" SAN. SEWER
L=4.0'
S=0.0250

8" FIRE SPRINKLER SERVICE

CAP FM INSIDE SEPTIC TANK

1,000 GALLON H.D. SEPTIC TANK WITH RISERS TO GRADE. INSTALL PER MANUFACTURER'S DETAILS.
INV IN = 107.97
INV OUT = 107.72

LIGHTS (TYP.) SEE SHEET ES-100

6" BUS WASH DRAIN
INV = 112.20

BLOCK HEATER (TYP.) SEE SHEET ES-100

SEE SHEET ES-100 FOR ELECTRICAL SERVICE ENTRY POINT AND TRENCH REQUIREMENTS

2-8" 1/8 BENDS

4" SAN. SEWER
L=94.0'
S=0.0208

MATCHLINE SEE MAINEDOT PLANS FOR CONTINUATION OF ROAD DESIGN AND UTILITIES

2" CURB STOP

CLEANOUT

4" SEWER
INV = 110.70

SEE SHEET ES-100

PROPOSED BUILDING
FFE = 114.00

SEE SHEET ES-100

1,000 GALLON H.D. SEPTIC TANK WITH RISERS TO GRADE. INSTALL PER MANUFACTURER'S DETAILS.
INV IN = 110.18
INV OUT = 109.93

2" WATER SUPPLY LINE

4" SAN. SEWER
L=25.0'
S=0.0208

MATCHLINE SEE MAINEDOT PLANS FOR CONTINUATION OF ROAD DESIGN AND UTILITIES

MATCHLINE SEE MAINEDOT PLANS FOR CONTINUATION OF ROAD DESIGN AND UTILITIES

NOTES:
1. ELECTRICAL INFORMATION, INCLUDING PRIMARY AND SECONDARY SERVICE AS WELL AS LIGHTING AND TELEPHONE, SHOWN FOR COORDINATION PURPOSES. REFER TO ELECTRICAL SITE PLAN ES-100 BY ALLIED ENGINEERING FOR DESIGN INFORMATION INCLUDING TRENCH SECTION.

2. SEE HHE-200 APPLICATION FOR SEPTIC SYSTEM INFORMATION.

3. COORDINATE ALL UTILITY ENTRY POINTS WITH APPROPRIATE TRADES PRIOR TO CONSTRUCTION.

4. COORDINATE INSTALLATION OF UNDERGROUND GAS PIPING WITH GAS TANK AND PUMP SUPPLIER.

PLAN
25 0 25 50
SCALE

REVISION NO.	REVISION DATE	DESCRIPTIONS
1	10/29/09	AMENDMENT NO. 4

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Web: www.allied-eng.com

Allied Project No: 07010 | Cad File: ...\Z - CAD\DWG\1826_UTIL.dgn

STATE OF MAINE
DEPARTMENT OF TRANSPORTATION

DATE	
	MAY 1, 2009
FED PIN NO:	
PIN NO:	16123.50

ALTON M. WALKER III No. 12251 — STATE OF MAINE — REGISTERED PROFESSIONAL ENGINEER

SIGNATURE
P.E. NUMBER 12251
DATE 12-24-09

PROJECT INFORMATION	
PROGRAM	-
PROJECT MANAGER	WPP
DESIGNER	-
CONSULTANT	ALLIED ENGINEERING
PROJECT RESIDENT	-
CONTRACTOR	-
PROJECT COMPLETION DATE	-

MAINE DEPARTMENT OF TRANSPORTATION
ACADIA GATEWAY FACILITY
BUS MAINTENANCE FACILITY

Utility Plan

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SHEET NUMBER
C-102
OF 8

NOTES:
1. ELECTRICAL INFORMATION, INCLUDING PRIMARY AND SECONDARY SERVICE AS WELL AS LIGHTING AND TELEPHONE, SHOWN FOR COORDINATION PURPOSES. REFER TO ELECTRICAL SITE PLAN ES-100 BY ALLIED ENGINEERING FOR DESIGN INFORMATION INCLUDING TRENCH SECTION.

2. SEE HHE-200 APPLICATION FOR SEPTIC SYSTEM INFORMATION.

3. COORDINATE ALL UTILITY ENTRY POINTS WITH APPROPRIATE TRADES PRIOR TO CONSTRUCTION.

COORDINATE WATER LOCATION WITH TANK INSTALLER

SEE HHE-200 FOR SEPTIC SYSTEM DESIGN

ASSUMED INV IN = 103.25 VERIFY DISPOSAL AREA ELEVATIONS WITH HHE-200 PRIOR TO SETTING SANITARY SEWER PIPE INVERT

UNDERGROUND SPRINKLER WATER STORAGE TANKS, SEE SPRINKLER PLANS

2-8" 1/8 BENDS

GENERATOR SEE ES-100

5,000 GALLON WASH WATER HOLDING TANK WITH HIGH WATER LEVEL ALARM AND RISERS TO GRADE INV IN = 108.50 REFER TO DETAILS ON SHEET C-403

ABOVEGROUND PROPANE TANKS BY OWNER, SEE MECHANICAL PLANS

FUELING STATION, SEE ARCHITECTURAL PLANS

8" 1/16 BEND

SEE SHEET ES-100

EXTEND 2" FM INTO MANWAY AND CAP FOR FUTURE USE, INV = 110.00

1 1/2" LP TO TANKS

2" FM FOR FUTURE USE

SEE SHEET ES-100

ELECTRICAL SUPPLY FOR HIGH WATER ALARM, ADDITIONAL CONDUIT FOR FUTURE PUMP CONTROL, SEE ES-100

SEE SHEET ES-100

SLOPE 8" PIPE TO DRAIN TO STORAGE TANK

6" BUS WASH OVERFLOW TO HOLDING TANK L=167.0' S=0.0222

8" SAN. SEWER L=170.0' S=0.0242

1,000 GALLON H.D. SEPTIC TANK WITH RISERS TO GRADE. INSTALL PER MANUFACTURER'S DETAILS. INV IN = 107.62 INV OUT = 107.37

2" WATER TANK SUPPLY LINE

8" SAN. SEWER L=4.0' S=0.0250

8" FIRE SPRINKLER SERVICE

CAP FM INSIDE SEPTIC TANK

1,000 GALLON H.D. SEPTIC TANK WITH RISERS TO GRADE. INSTALL PER MANUFACTURER'S DETAILS. INV IN = 107.97 INV OUT = 107.72

LIGHTS (TYP.) SEE SHEET ES-100

6" BUS WASH DRAIN INV = 112.20

BLOCK HEATER (TYP.) SEE SHEET ES-100

SEE SHEET ES-100 FOR ELECTRICAL SERVICE ENTRY POINT AND TRENCH REQUIREMENTS

2-8" 1/8 BENDS

4" SAN. SEWER L=94.0' S=0.0208

MATCHLINE SEE MAINEDOT PLANS FOR CONTINUATION OF ROAD DESIGN AND UTILITIES

2" CURB STOP

CLEANOUT

4" SEWER INV = 110.70

PROPOSED BUILDING FFE = 114.00

SEE SHEET ES-100

1,000 GALLON H.D. SEPTIC TANK WITH RISERS TO GRADE. INSTALL PER MANUFACTURER'S DETAILS. INV IN = 110.18 INV OUT = 109.93

4" SAN. SEWER L=25.0' S=0.0208

SEE SHEET ES-100

2" WATER SUPPLY LINE

OPTION 1

OPTION 2

2" WATER SUPPLY LINE

MATCHLINE SEE MAINEDOT PLANS FOR CONTINUATION OF ROAD DESIGN AND UTILITIES

MATCHLINE SEE MAINEDOT PLANS FOR CONTINUATION OF ROAD DESIGN AND UTILITIES

PLAN

25 0 25 50

SCALE

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STATE OF MAINE
DEPARTMENT OF TRANSPORTATION

DATE	
MAY 1, 2009	

FED PIN NO:
PIN NO: 16123.50

DOUGLAS R. REYNOLDS
No. 8050
STATE OF MAINE
REGISTERED PROFESSIONAL ENGINEER

SIGNATURE
3968
P.E. NUMBER
5-4-09
DATE

PROJECT INFORMATION	
PROGRAM	–
PROJECT MANAGER	WFF
DESIGNER	–
CONSULTANT	ALLIED ENGINEERING
PROJECT RESIDENT	–
CONTRACTOR	–
PROJECT COMPLETION DATE	–

MAINE DEPARTMENT OF TRANSPORTATION
ACADIA GATEWAY FACILITY
BUS MAINTENANCE FACILITY

Utility Plan

SHEET NUMBER
C-102
OF 8

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Filename: ...\Z - CAD\DWG\1826_UTIL.dgn Division: HIGHWAY Username: dburgess Date:8/4/2009

Filename: ...\Z - CAD\DWG\1826_GRADING.dgn Division: HIGHWAY Username: dburgess Date:8/4/2009

GRADING AND DRAINAGE NOTES:

1. DIRECT RUNOFF TO ROADWAY DRAINAGE SYSTEM, SEE MAINEDOT ROADWAY PLANS FOR STORM DRAIN INFORMATION.

2. ALL CATCHBASIN OUTLET PIPES SHALL HAVE SEDIMENTATION HOOD (SNOUT).

3. TOPSOIL STRIPPED IN AREAS OF CONSTRUCTION THAT IS SUITABLE FOR REUSE AS LOAM SHALL BE STOCKPILED ON SITE AT A LOCATION TO BE DESIGNATED BY THE OWNER. UNSUITABLE SOIL SHALL BE SEPARATED, REMOVED AND DISPOSED OF AT AN APPROVED DISPOSAL LOCATION OFF SITE.

4. THE CONTRACTOR SHALL ANTICIPATE THAT GROUNDWATER WILL BE ENCOUNTERED DURING CONSTRUCTION AND SHALL INCLUDE SUFFICIENT COSTS WITHIN THEIR BID TO PROVIDE DEWATERING AS NECESSARY. NO SEPARATE PAYMENT SHALL BE MADE TO THE CONTRACTOR FOR DEWATERING.

1.5:1 RIPRAP SLOPE, REFER TO SHEET C-403

APPROXIMATE LOCATION OF SUBSURFACE WASTEWATER DISPOSAL FIELD

SILT FENCE (TYP.)

SEE HHE-200 FOR FINAL GRADING OVER DISPOSAL SYSTEM

STONE BERM LEVEL LIP SPREADER #1 REFER TO SHEET C-405

RIPRAP OUTLET APRON REFER TO SHEET C-405 (TYP.)

INV OUT=101.00

12" SD L=66' S=0.0103

15" PERF. SD HOLES UP L=122' S=0.0100

15" SD L=16' S=0.0106

INV 103.10

DMH3

DMH2

CB2

DMH4

15" SD L=17' S=0.0100

RIPRAP OUTLET APRON

INV OUT=101.00

15" PERF. SD HOLES UP L=74' S=0.0100

CONNECT FOUNDATION DRAIN TO CB

15" PERF. SD HOLES UP L=56' S=0.0100

12" SD L=31' S=0.0103

CB3

CONNECT FLOOR DRAIN TO SD WITH WYE CONNECTION

CB4

12" PERF. SD HOLES UP L=96' S=0.0100

RIPRAP OUTLET APRON

15" SD L=17' S=0.0100

18" SD L=20' S=0.0555

6" FD L=117.5' S=0.0689

TENAX MULTIMAT FABRIC ON SLOPES EQUAL TO OR STEEPER THAN 8% FOR OCTOBER 1ST THROUGH APRIL 15TH AND EQUAL TO OR STEEPER THAN 15% FOR APRIL 15TH THROUGH OCTOBER 1ST (TYP.)

PROPOSED BUILDING FFE = 114.00

INV 111.20

INV 111.20

INV 108.88

8" RD L=82' S=0.0463

INV 108.80

4" FOUNDATION DRAIN (TYP.) REFER TO SHEET C-403 GRAVEL DRAIN, REFER TO SHEET C-404 (TYP.)

DMH1

INV 108.65

15" PERF. SD HOLES UP L=131' S=0.0100

12" PERF. SD HOLES UP L=83' S=0.0100

CB5

INV 108.40

INV 108.80

12" PERF. SD HOLES UP L=55' S=0.0100

TRANSITION FROM 2:1 SLOPE TO 3:1 SLOPE AND MATCH GRADING SHOWN ON MAINEDOT PLANS

MATCHLINE SEE MAINEDOT PLANS FOR ROAD DESIGN

6"x10" REDUCER INV 108.80 INV 107.66

10"x10"x8" WYE INV 107.40

INV 107.80

DMH6

CB1

6" RD L=24' S=0.0100

10" RD L=17' S=0.0100

6" UNDERDRAIN L=153' S=0.0100

STONE SEDIMENT BARRIER (TYP.)

CB8

1' BERM (TYP.)

DIRECT RUNOFF TO SHALLOW DITCH (TYP.)

CB6

INV 107.60

DIRECT FLOW TO CB

INV 108.80

INV 108.80

12" PERF. SD HOLES UP L=140' S=0.0101

SEE GRADING AND DRAINAGE NOTE 1

TRANSITION TO GRADES SHOWN ON MAINEDOT PLANS

SEE MAINEDOT ROADWAY PLANS FOR STORM DRAIN

STABILIZED CONSTRUCTION ENTRANCE REFER TO SHEET C-405 (TYP.)

DMH5

CB9

12" PERF. SD HOLES UP L=26' S=0.0100

18" SD L=10' S=0.0102

SEE MAINEDOT ROADWAY PLANS FOR CONTINUATION OF STORM DRAIN

MATCH ROADWAY GRADING

INV OUT 103.75

RIPRAP OUTLET APRON

STONE BERM LEVEL LIP SPREADER #2. REFER TO SHEET C-405

10" RD L=120' S=0.0100

MATCH ROADWAY GRADING

38+00

39+00

40+00

41+00

42+00

43+00

DRAINAGE SCHEDULE				
STRUCTURE	SIZE	RIM	INV IN	INV OUT
CB1	4'	111.23	-	107.23/12"(DMH1)
CB2	4'	111.55	104.97/12"(DMH1) 102.48/15"(DMH2)	102.38/18"(DMH4)
CB3	4'	113.37	-	109.37/12"(DMH2)
CB4	4'	113.00	105.31/12"(CB5) 107.75/4"(FD)	105.21/15"(DMH3)
CB5	4'	113.00	106.37/12"(CB6) 108.09/4"(GD)	106.27/12"(CB4)
CB6	4'	112.64	107.30/4"(GD)	107.20/12"(CB5)
CB7	4'	111.15	-	107.15/12"(DMH3)
CB8	4'	119.00	115.50/6"(UD)	115.00/12"(CB9)
CB9	4'	116.75	113.24/12"(DMH5) 112.67/12"(MDOT)	112.57/18"(OUTLET)
DMH1	4'	113.00	106.68/12"(CB1)	106.28/15"(CB2)
DMH2	4'	113.92	103.81/15"(DMH3) 109.05/12"(CB3)	103.71/15"(CB2)
DMH3	4'	113.88	104.47/15"(CB4) 106.42/12"(CB7)	104.37/15"(DMH2)
DMH4	6'	106.00	101.27/18"(CB2)	101.17/15"(OUTLET) 101.17/15"(OUTLET) 101.17/15"(OUTLET)
DMH5	4'	117.34	113.60/12"(CB8)	113.50/12"(CB9)
DMH6	4'	112.66	107.25/10"(RD)	104.95/10"(OUTLET)

EROSION CONTROL NOTES:

1. LAND DISTURBING ACTIVITIES SHALL BE ACCOMPLISHED IN A MANNER AND SEQUENCE THAT CAUSES THE LEAST PRACTICAL DISTURBANCE OF THE SITE.

2. PRIOR TO BEGINNING ANY CLEARING/LAND DISTURBING ACTIVITIES, THE CONTRACTOR SHALL INSTALL THE PERIMETER SILT FENCES AND THE CONSTRUCTION ENTRANCE.

3. ALL GROUND AREAS DISTURBED FOR CONSTRUCTION WILL BE GRADED, LOAMED AND SEEDED AS SOON AS POSSIBLE.

4. PRIOR TO PAVING, THE CONTRACTOR SHALL FLUSH SEDIMENT FROM ALL STORM DRAIN LINES. REMOVE ACCUMULATED SEDIMENT FROM SUMPS AND INVERTS AND PROPERLY DISPOSE OF.

5. SILT FENCES SHALL BE INSPECTED, REPAIRED AND CLEANED AS NOTED IN THE EROSION CONTROL SPECIFICATIONS

6. THE CONTRACTOR SHALL REPAIR AND ADD STONE TO THE CONSTRUCTION ENTRANCE AS IT BECOMES SATURATED WITH MUD TO ENSURE THAT IT WORKS AS PLANNED DURING CONSTRUCTION.

7. SILT REMOVED FROM AROUND INLETS AND BEHIND THE SILT FENCES SHALL BE PLACED ON A TOPSOIL STOCKPILE AND MIXED INTO IT FOR LATER USE IN LANDSCAPING OPERATIONS.

8. THE CONTRACTOR IS CAUTIONED THAT FAILURE TO COMPLY WITH THE SEQUENCE OF CONSTRUCTION, EROSION/SEDIMENT CONTROL PLAN, AND OTHER PERMIT REQUIREMENTS BASED UPON ANY THIRD PARTY REVIEW (ie MDEP) MAY RESULT IN MONETARY PENALTIES. THE CONTRACTOR SHALL BE ASSESSED ALL SUCH PENALTIES AT NO COST TO THE OWNER OR PERMITTEE.

9. ALL NON-PAVED AREAS DISTURBED DURING CONSTRUCTION SHALL BE LOAMED AND SEEDED, UNLESS OTHERWISE DIRECTED BY THE OWNER.

10. ALL DISTURBED AREAS ARE TO RECEIVE A MINIMUM OF 4" OF TOPSOIL PRIOR TO PERMANENT SEEDING.

PLAN

25 0 25 50

SCALE

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Allied Project No: 07010 | Cad File: ...\Z - CAD\DWG\1826_GRADING.dgn

STATE OF MAINE
DEPARTMENT OF TRANSPORTATION

DATE: MAY 1, 2009

FED PIN NO:

PIN NO: 16123.50

DOUGLAS E. REYNOLDS No. 9069 STATE OF MAINE REGISTERED PROFESSIONAL ENGINEER

SIGNATURE 9968

P.E. NUMBER

8-4-09

DATE

PROJECT INFORMATION	
PROGRAM	-
PROJECT MANAGER	WFP
DESIGNER	-
CONSULTANT	ALLIED ENGINEERING
PROJECT RESIDENT	-
CONTRACTOR	-
PROJECT COMPLETION DATE	-

MAINE DEPARTMENT OF TRANSPORTATION
ACADIA GATEWAY FACILITY
BUS MAINTENANCE FACILITY

Grading, Drainage and Erosion and Sedimentation Control Plan

SHEET NUMBER
C-103
OF 8

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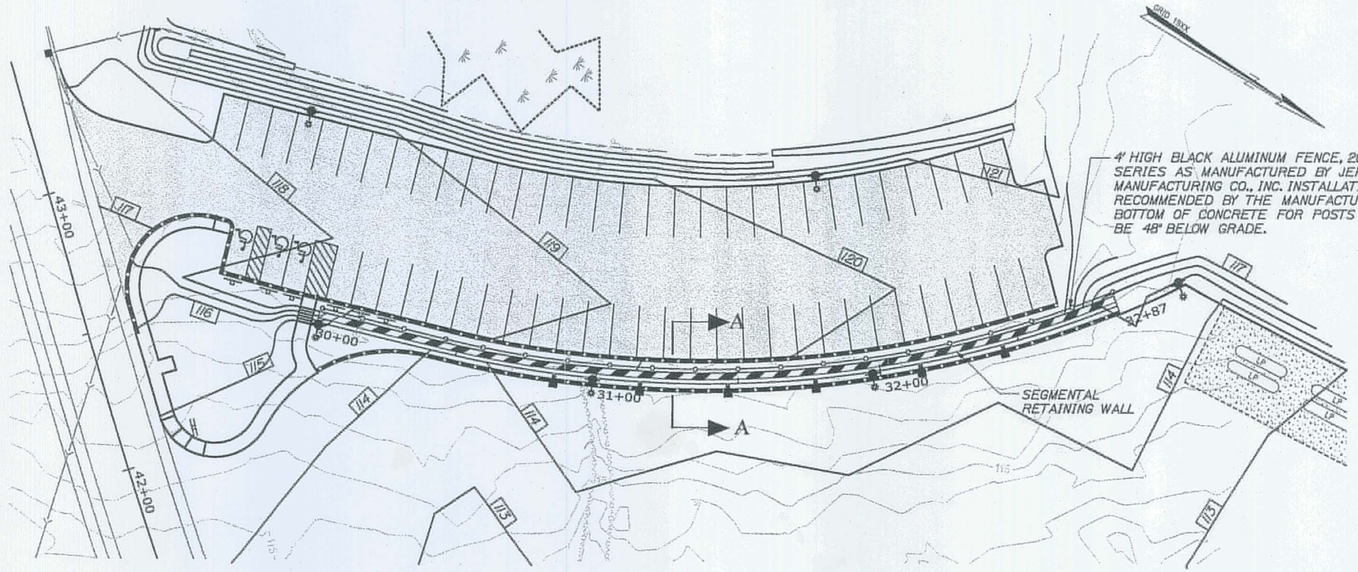
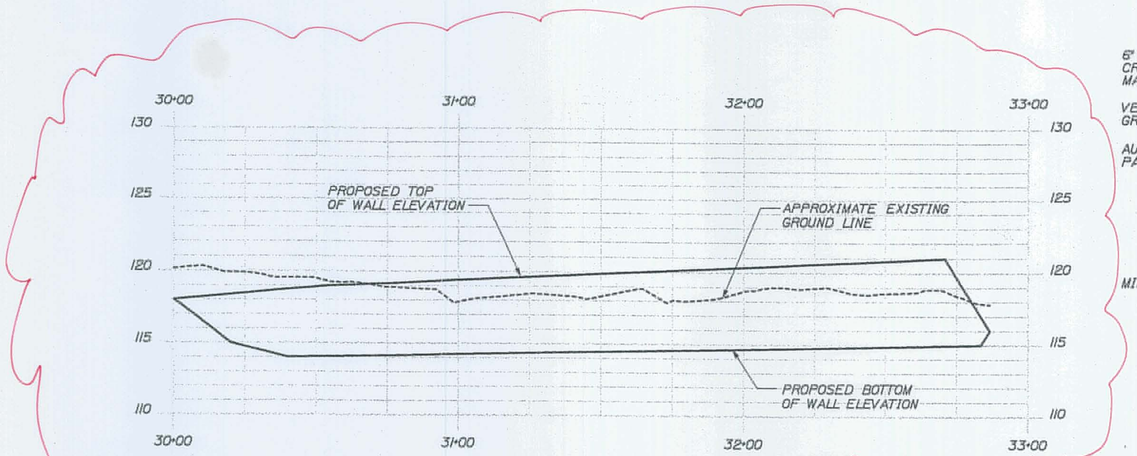
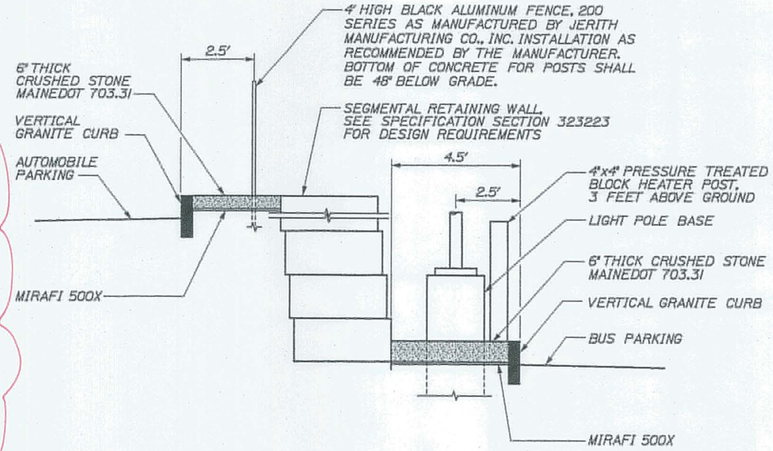


PLAN VIEW
SCALE: 1"=25'



RETAINING WALL PROFILE
SCALE: 1"=25' HORIZ.
1"=5' VERT.

SEE RFI 44 for Retaining wall & Fence Profile



TYPICAL SECTION A-A
NOT TO SCALE

PLAN
25 0 25 50
SCALE

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Allied Engineering
Structural Mechanical Electrical Commissioning

Allied Project No: 07010 | Cad File: ...\Z - CAD\DWG\1826_RETWALL.dgn

STATE OF MAINE
DEPARTMENT OF TRANSPORTATION

	DATE
FED PIN NO:	MAY 1, 2009
PIN NO: 16123.50	

DOUGLAS E. REYNOLDS No. 9269 STATE OF MAINE REGISTERED PROFESSIONAL ENGINEER

SIGNATURE 9868
P.E. NUMBER
DATE 8-4-09

PROJECT INFORMATION			
PROGRAM	-		
PROJECT MANAGER	WPP		
DESIGNER	-		
CONSULTANT	ALLIED ENGINEERING		
PROJECT RESIDENT	-		
CONTRACTOR	-		
PROJECT COMPLETION DATE	-		

MAINE DEPARTMENT OF TRANSPORTATION
ACADIA GATEWAY FACILITY
BUS MAINTENANCE FACILITY

Retaining Wall Plan & Profile

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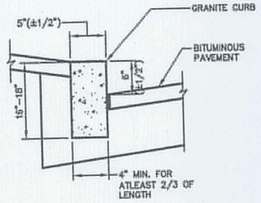
SHEET NUMBER
C-401
OF 8

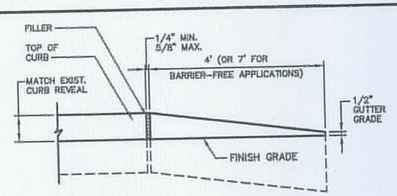
Filename: ...\Z - CAD\DWG\1826_RETWALL.dgn Division: HIGHWAY Username: dburgess Date:8/4/2009



NOTE: VERTICAL GRANITE CURB SHALL MEET THE REQUIREMENTS OF SECTION 8.13 OF THE MAINE DEPARTMENT OF TRANSPORTATION (MDOT) STANDARD SPECIFICATIONS, LATEST REVISION, AND THE DIMENSIONS SHOWN ON THE DRAWINGS. SLOPED GRANITE CURB SHALL MEET THE REQUIREMENTS OF SECTION 609 OF THE STANDARD SPECIFICATIONS, LATEST REVISION, AND THE DIMENSIONS SHOWN ON THE DRAWINGS.

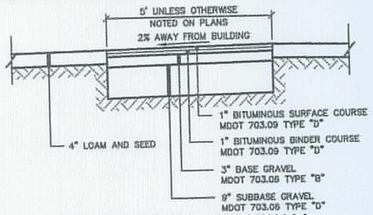
VERTICAL GRANITE CURB

NOT TO SCALE



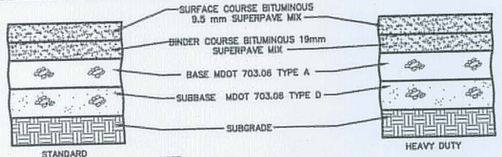
TIPDOWN CURB

NOT TO SCALE



BITUMINOUS WALKWAY

NOT TO SCALE

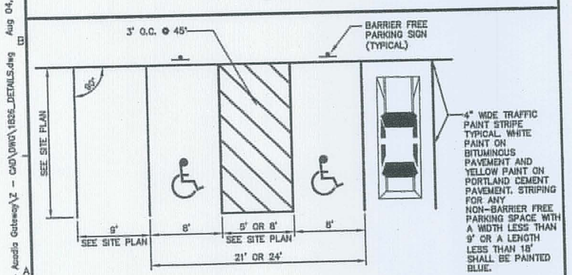


NOTE:
COMPACT SUBGRADE TO 95% MAXIMUM DRY DENSITY IN ACCORDANCE WITH ASTM D-1557

THICKNESS OF LAYERS		
STANDARD	LAYERS	HEAVY DUTY
1.5"	SURFACE COURSE BITUMINOUS 9.5mm SUPERPAVE MIX	1.5"
2"	BINDER COURSE BITUMINOUS 19mm SUPERPAVE MIX	2.5"
6"	AGGREGATE BASE GRAVEL MDOT 703.06 TYPE A	6"
15"	AGGREGATE SUBBASE GRAVEL MDOT 703.06 TYPE D	18"

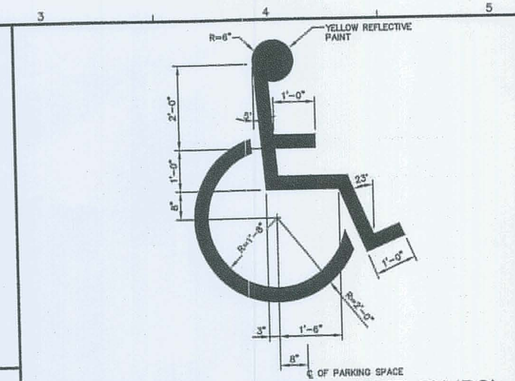
BITUMINOUS PAVEMENT SECTION

NOT TO SCALE



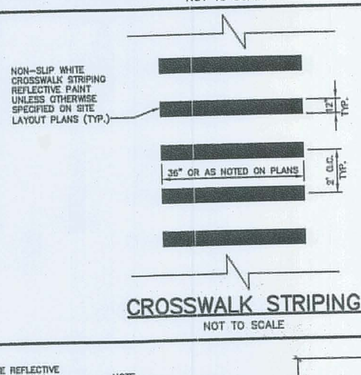
PARKING SPACE DIMENSIONS

NOT TO SCALE



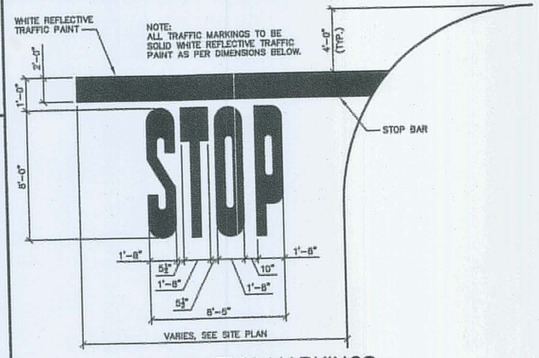
INTERNATIONAL BARRIER FREE SYMBOL

NOT TO SCALE



CROSSWALK STRIPING

NOT TO SCALE



PAVEMENT MARKINGS

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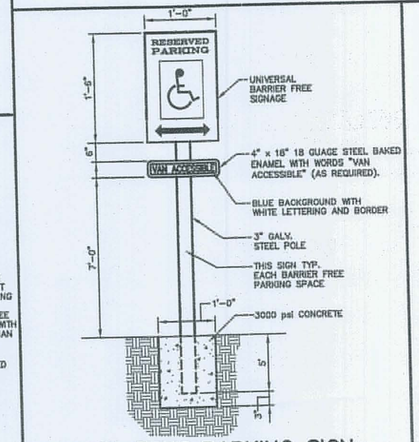
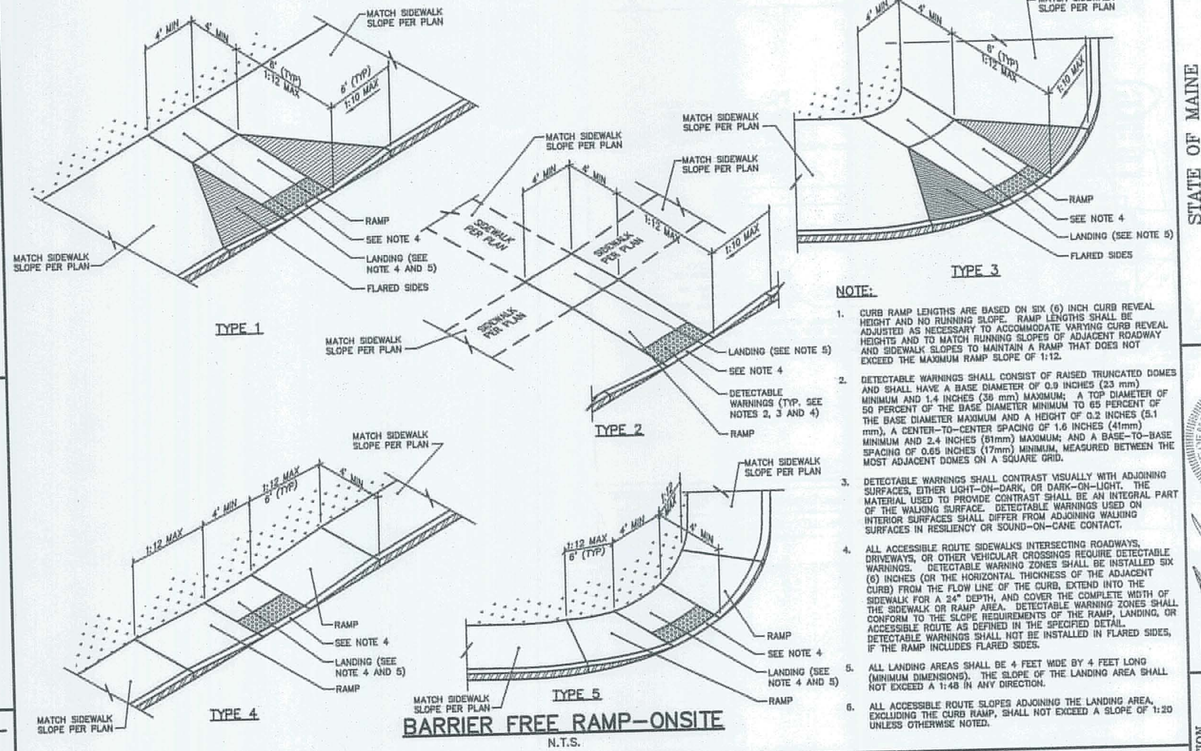


BARRIER FREE PARKING SIGN

NOT TO SCALE

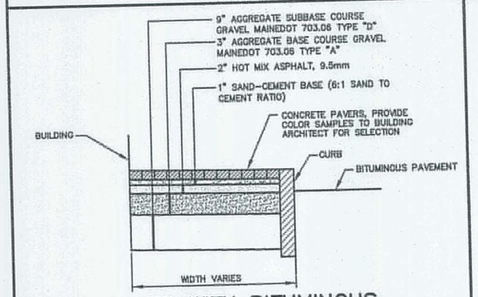


BARRIER FREE RAMP-ONSITE

N.T.S.

NOTE:

1. CURB RAMP LENGTHS ARE BASED ON SIX (6) INCH CURB REVEAL HEIGHT AND NO RUNNING SLOPE. RAMP LENGTHS SHALL BE ADJUSTED AS NECESSARY TO ACCOMMODATE VARYING CURB REVEAL HEIGHTS AND TO MATCH RUNNING SLOPES OF ADJACENT ROADWAY AND SIDEWALK SLOPES TO MAINTAIN A RAMP THAT DOES NOT EXCEED THE MAXIMUM RAMP SLOPE OF 1:12.
2. DETECTABLE WARNINGS SHALL CONSIST OF RAISED TRUNCATED DOMES AND SHALL HAVE A BASE DIAMETER OF 0.9 INCHES (23 mm) MINIMUM AND 1.4 INCHES (36 mm) MAXIMUM; A TOP DIAMETER OF 50 PERCENT OF THE BASE DIAMETER MINIMUM TO 65 PERCENT OF THE BASE DIAMETER MAXIMUM AND A HEIGHT OF 0.2 INCHES (5.1 mm), A CENTER-TO-CENTER SPACING OF 1.6 INCHES (41mm) MINIMUM AND 2.4 INCHES (61mm) MAXIMUM; AND A BASE-TO-BASE SPACING OF 0.65 INCHES (17mm) MINIMUM, MEASURED BETWEEN THE MOST ADJACENT DOMES ON A SQUARE GRID.
3. DETECTABLE WARNINGS SHALL CONTRAST VISUALLY WITH ADJOINING SURFACES, EITHER LIGHT-ON-DARK, OR DARK-ON-LIGHT. THE MATERIAL USED TO PROVIDE CONTRAST SHALL BE AN INTEGRAL PART OF THE WALKING SURFACE. DETECTABLE WARNINGS USED ON INTERIOR SURFACES SHALL DIFFER FROM ADJOINING WALKING SURFACES IN RESILIENCY OR SOUND-ON-CANE CONTACT.
4. ALL ACCESSIBLE ROUTE SIDEWALKS INTERSECTING ROADWAYS, DRIVEWAYS, OR OTHER VEHICULAR CROSSINGS REQUIRE DETECTABLE WARNINGS. DETECTABLE WARNING ZONES SHALL BE INSTALLED SIX (6) INCHES (OR THE HORIZONTAL THICKNESS OF THE ADJACENT CURB) FROM THE FLOW LINE OF THE CURB, EXTEND INTO THE SIDEWALK FOR A 24" DEPTH, AND COVER THE COMPLETE WIDTH OF THE SIDEWALK OR RAMP AREA. DETECTABLE WARNING ZONES SHALL CONFORM TO THE SLOPE REQUIREMENTS OF THE RAMP, LANDING, OR ACCESSIBLE ROUTE AS DEFINED IN THE SPECIFIED DETAIL. DETECTABLE WARNINGS SHALL NOT BE INSTALLED IN FLARED SIDES, IF THE RAMP INCLUDES FLARED SIDES.
5. ALL LANDING AREAS SHALL BE 4 FEET WIDE BY 4 FEET LONG (MINIMUM DIMENSIONS). THE SLOPE OF THE LANDING AREA SHALL NOT EXCEED A 1:48 IN ANY DIRECTION.
6. ALL ACCESSIBLE ROUTE SLOPES ADJOINING THE LANDING AREA, EXCLUDING THE CURB RAMP, SHALL NOT EXCEED A SLOPE OF 1:20 UNLESS OTHERWISE NOTED.



PAVER WITH BITUMINOUS BASE SIDEWALK

NOT TO SCALE

STATE OF MAINE
DEPARTMENT OF TRANSPORTATION

DATE
MAY 1, 2009

FED PIN NO:
PIN NO: 16123.50

DOUGLAS E. REYNOLDS No. 12088 STATE OF MAINE REGISTERED PROFESSIONAL ENGINEER

PROJECT INFORMATION	
PROGRAM	-
PROJECT MANAGER	WPF
DESIGNER	-
CONSULTANT	ALLIED ENGINEERING
PROJECT RESIDENT	-
CONTRACTOR	-
PROJECT COMPLETION DATE	-

SIGNATURE 9668 — P.E. NUMBER — DATE 8-4-09

MAINE DEPARTMENT OF TRANSPORTATION
ACADIA GATEWAY FACILITY
BUS MAINTENANCE FACILITY

Site Details

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Allied Project No: 07010
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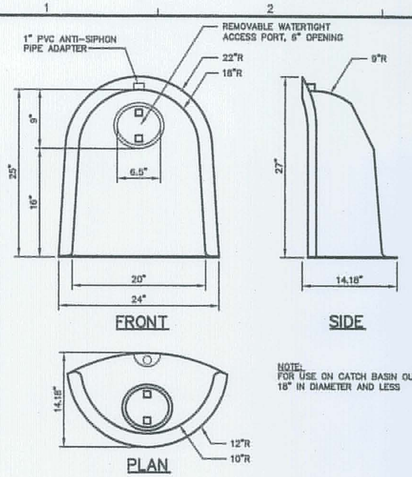
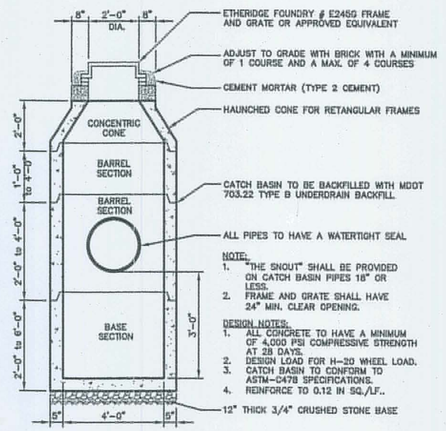
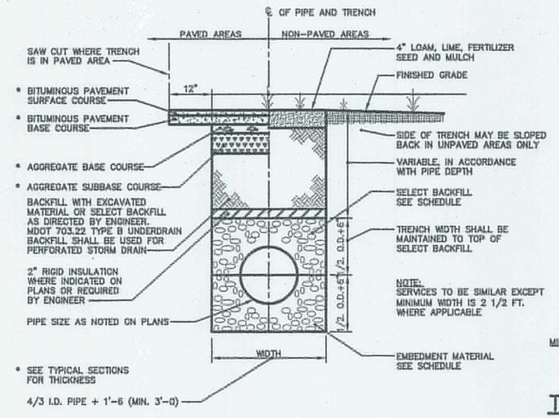


"THE SNOUT"
NOT TO SCALE



4'-0" PRECAST CATCH BASIN
NOT TO SCALE



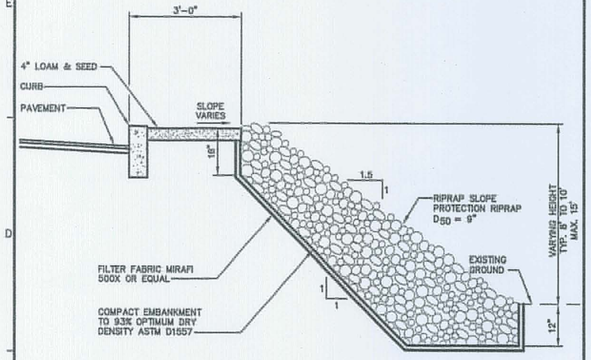
SCHEDULE OF TRENCH BACKFILL		
TYPE OF PIPE	EMBEDMENT MATERIAL	SELECT BACKFILL
CMP DUCTILE IRON RCP	MDOT 703.22 TYPE B UD BACKFILL	MDOT 703.22 TYPE B UD BACKFILL
PVC-SDR 35 HDPE	MDOT 703.22 TYPE C 3/4" CRUSHED STONE	MDOT 703.22 TYPE B UD BACKFILL
PERFORATED PVC-SDR35 HDPE	MDOT 703.22 TYPE C 3/4" CRUSHED STONE	MDOT 703.22 TYPE C 3/4" CRUSHED STONE

NOTE:
1. BRACING AND SHEETING OR OTHER TRENCH PROTECTION TO BE PROVIDED TO MEET APPLICABLE STATE AND O.S.H.A. SAFETY STANDARDS. ALL SUCH TRENCH PROTECTION TO BE THE RESPONSIBILITY OF THE CONTRACTOR.
2. INSTALL WARNING TAPE DIRECTLY ABOVE UTILITIES, 12" BELOW FINISH GRADE.

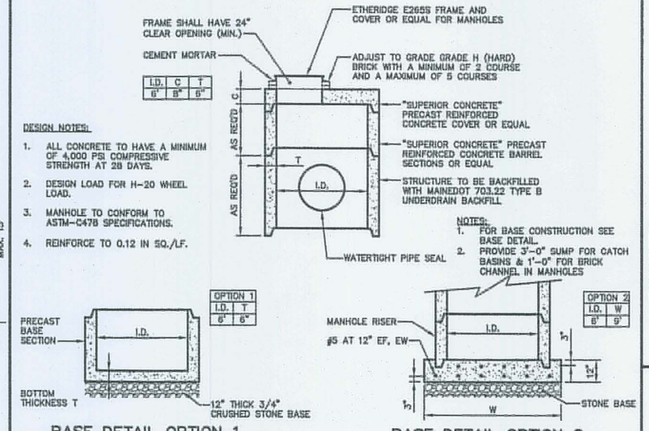
MINIMUM COVER	PIPE
2'-0"	DRAIN (1)
5'-5"	WATER
5'-0"	SEWER

(1) COVER BETWEEN 2' AND 3' SHALL INCLUDE 4" RIGID INSULATION. COVER BETWEEN 3' AND 4' SHALL INCLUDE 2" RIGID INSULATION.

TRENCH SECTION
NOT TO SCALE



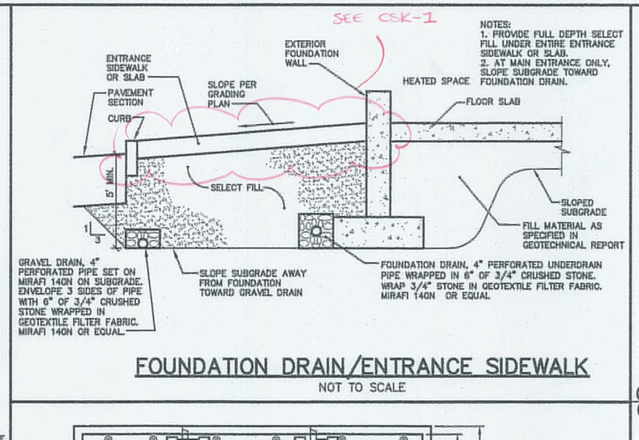
TYPICAL RIPRAP SLOPE
NOT TO SCALE



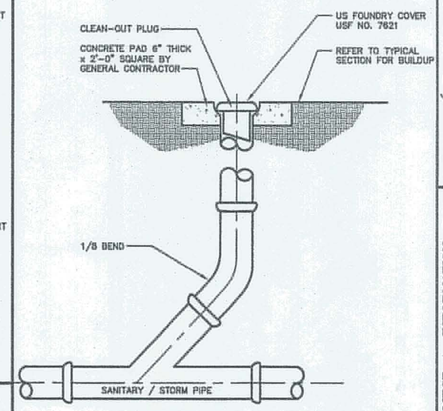
BASE DETAIL OPTION 1

BASE DETAIL OPTION 2

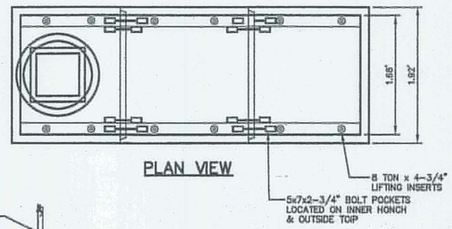
LARGE DIAMETER STORM DRAIN MANHOLE
NOT TO SCALE



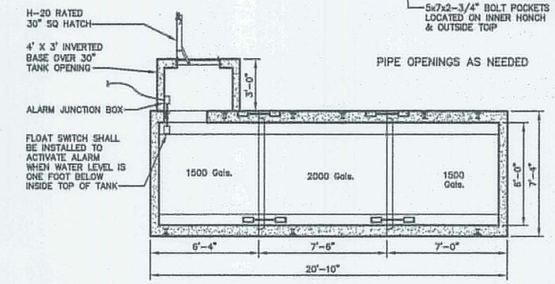
FOUNDATION DRAIN/ENTRANCE SIDEWALK
NOT TO SCALE



CLEANOUT
NOT TO SCALE



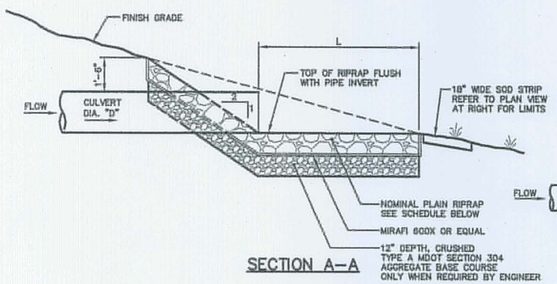
PLAN VIEW



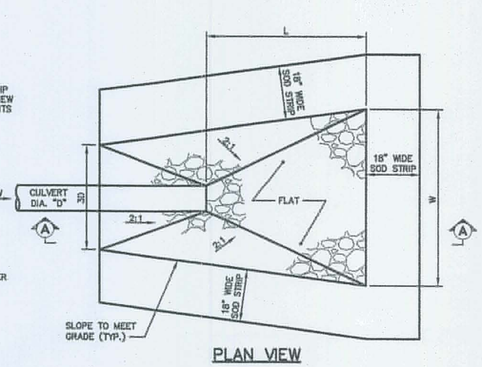
CROSS SECTION

5,000 GALLON WASH WATER HOLDING TANK
NOT TO SCALE

NOTES:
1. ALL CONCRETE SHALL ACHIEVE A MINIMUM 28 DAY COMPRESSIVE STRENGTH OF 5,000 PSI.
2. BOX SECTION REINFORCING SHALL BE GRADE 60
3. EACH JOINT SEALED WITH CONSEAL AND A TOP COAT OF SIKA-FLEX-1A
4. BEDDING UNDER TANK TO BE A 6" TO 8" LAYER OF ½" TO ¾" STONE.
5. TANK TO BE BACKFILLED PRIOR TO TESTING.
6. THE BACKFILL PROCESS TO START AT THE ENDS OF THE TANK AND WORKED TO THE MIDDLE. THE BACKFILLING PROCESS TO FOLLOW STANDARD CONSTRUCTION PROCEDURES; EVEN BACKFILLING AND COMPACTING IN 12" +/- LAYERS.
7. TANK SHALL BE SUPPLIED WITH HIGH WATER ALARM AND 30' UG CABLE.
8. TANK AS SUPPLIED BY AMERICAN CONCRETE INDUSTRIES, AUBURN, MAINE OR ENGINEER APPROVED EQUAL.
9. TANK AND RISER SHALL BE RATED FOR H-20 LOADING.



SECTION A-A



PLAN VIEW

SCHEDULE					
	CULVERT DIAMETER (D)	LENGTH (L)	WIDTH (W)	STONE d50	RIPRAP THICKNESS
OUTLET	10"	6'	3'	6"	14"
OUTLET	12"	8'	9'	6"	14"
OUTLET	15"	8'	10'	6"	14"

CULVERT OUTLET APRON
NOT TO SCALE

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Allied Project No: 07010 | Cad File: 1826_DETAILS.dwg

STATE OF MAINE
DEPARTMENT OF TRANSPORTATION

DATE: MAY 1, 2009
FED PIN NO:
PIN NO: 016123.50

DOUGLAS E. REYNOLDS No. 9663 STATE OF MAINE REGISTERED PROFESSIONAL ENGINEER

PROJECT INFORMATION			
PROGRAM	-	-	-
PROJECT MANAGER	WPP	-	-
DESIGNER	-	-	-
CONSULTANT	ALLIED ENGINEERING	-	-
PROJECT RESIDENT	-	-	-
CONTRACTOR	-	-	-
PROJECT COMPLETION DATE	-	-	-

SIGNATURE | P.E. NUMBER | DATE
8-6-09

MAINE DEPARTMENT OF TRANSPORTATION
ACADIA GATEWAY FACILITY
BUS MAINTENANCE FACILITY

Drainage and Utility Details

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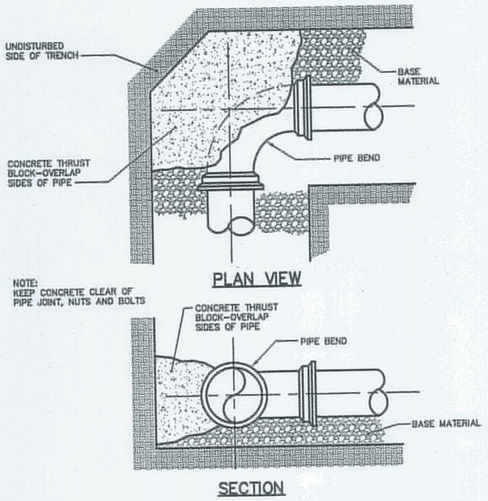
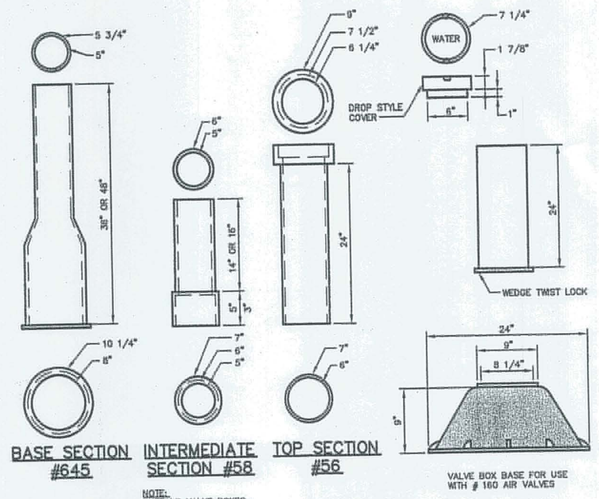


THRUST/RETAINER GLAND SCHEDULE		
1/4 BEND	90°	USE POURED IN-PLACE THRUST BLOCK WITH RETAINERS
1/8 BEND	45°	THRUST BLOCK WITH RETAINERS
1/16 BEND	22 1/2°	THRUST BLOCK
1/32 BEND	11 1/4°	THRUST BLOCK

THE ABOVE SCHEDULE IS SUBJECT TO THE APPROVAL OF THE ON-SITE INSPECTOR DUE TO SOILS AND WORKING PRESSURES IN THE AREA.

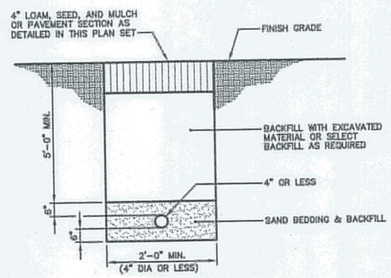
THRUST BLOCK PLACEMENT ON BENDS

NOT TO SCALE



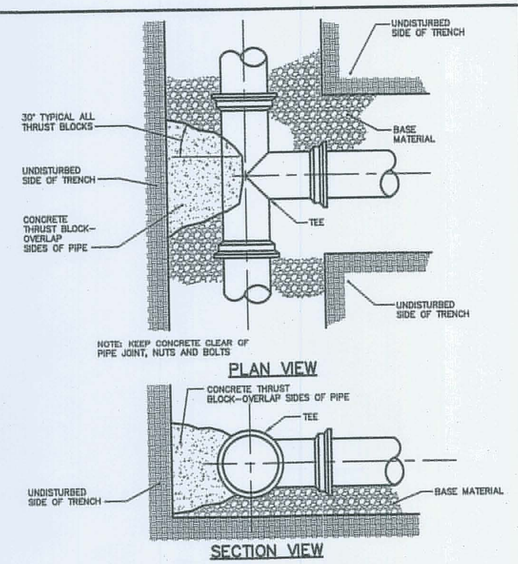
NOTE: BUFFALO VALVE BOXES NUMBERS ARE FOR 5.25"

TYPICAL VALVE BOXES



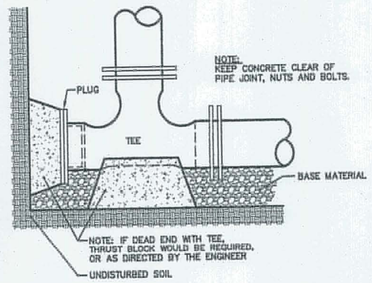
WATER SERVICE TRENCH SECTION

NOT TO SCALE



THRUST BLOCK PLACEMENT ON TEES

NOT TO SCALE



STANDARD TEE BLOCKING

NOT TO SCALE

1. THE BEARING SURFACE OF THE THRUST BLOCK SHALL BE THE SURFACE AREA OF THE THRUST BLOCK WHICH IS CAST AGAINST THE TRENCH WALL. THE BEARING SURFACE SHALL NOT EXCEED THE FOLLOWING LOADINGS:

IN-SITU CONDITION	ALLOWABLE
BEDROCK	3,000 psf
SAND OR OUTWASH DEPOSITS	1,500 psf
OTHER SOILS	1,000 psf

THE THRUST SHALL BE COMPUTED ON THE BASIS OF 150 psi x THE CROSS SECTIONAL AREA OF THE PIPE. FOR EXAMPLE, A THRUST BLOCK FOR A 1/4 BEND ON AN 8" WATER MAIN BEARING AGAINST CLAY WOULD REQUIRE A BEARING SURFACE OF 7.5 s.f.

$$\frac{150 \text{ psi} \times 50 \text{ sq. in.}}{1{,}000 \text{ psf}} = 7.5 \text{ s.f.}$$

2. INSTALL POLY BARRIER BETWEEN PIPE AND ALL THRUST BLOCKS.

THRUST BLOCK NOTES

STATE OF MAINE
DEPARTMENT OF TRANSPORTATION

DATE	
MAY 1, 2009	
FED PIN NO:	
PIN NO: 16123.50	

PROJECT INFORMATION	
PROGRAM	-
PROJECT MANAGER	WPP
DESIGNER	-
CONSULTANT	ALLIED ENGINEERING
PROJECT RESIDENT	-
CONTRACTOR	-
PROJECT COMPLETION DATE	-

SIGNATURE 9/8/08
P.E. NUMBER
DATE 8-4-09

MAINE DEPARTMENT OF TRANSPORTATION
ACADIA GATEWAY FACILITY
BUS MAINTENANCE FACILITY

Water Details

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Allied Project No: 07010
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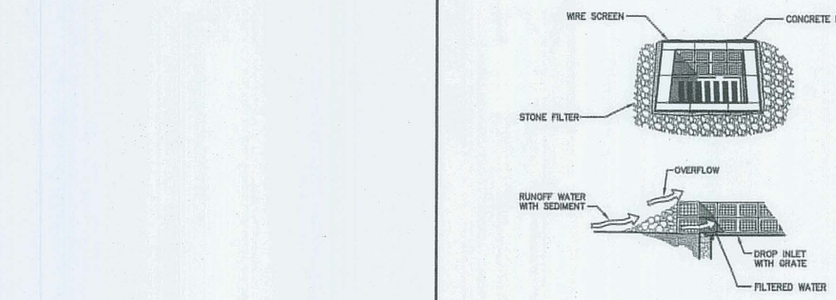


CATCH BASIN INLET FILTER
NOT TO SCALE

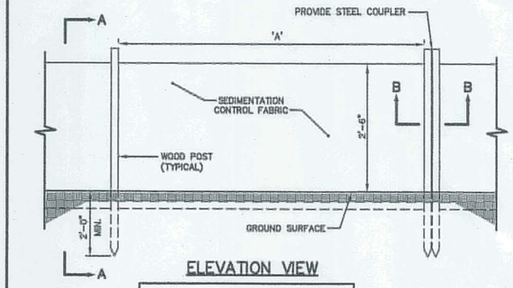
SPECIFIC APPLICATION

THIS METHOD OF INLET PROTECTION IS APPLICABLE WHERE HEAVY FLOWS ARE EXPECTED AND WHERE AN OVERFLOW CAPACITY IS NECESSARY TO PREVENT EXCESSIVE PONDING AROUND THE STRUCTURE.

NOTES:

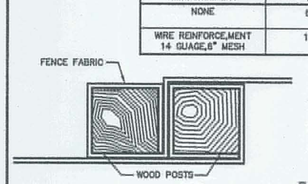
1. PLACE CONCRETE BLOCKS LENGTHWISE ON THEIR SIDES IN A SINGLE ROW AROUND THE PERIMETER OF THE INLET, WITH THE ENDS OF ADJACENT BLOCKS ABUTTING. THE HEIGHT OF THE BARRIER CAN BE VARIED, DEPENDING ON DESIGN NEEDS, BY STACKING COMBINATIONS OF 4", 8" AND 12" WIDE BLOCKS. THE BARRIER OF BLOCKS SHALL BE AT LEAST 12 INCHES HIGH, AND NO GREATER THAN 24" HIGH.
2. WIRE MESH SHALL BE PLACED OVER THE OUTSIDE VERTICAL FACE (WEBBING) OF THE CONCRETE BLOCKS TO PREVENT STONE FROM BEING WASHED THROUGH THE HOLES IN THE BLOCKS. HARDWARE CLOTH OR COMPARABLE WIRE MESH WITH 1/2" OPENINGS SHALL BE USED.
3. STONE SHALL BE PILED AGAINST THE WIRE TO THE TOP OF THE BLOCK BARRIER, AS SHOWN IN DETAIL. THE STONE FILTER SHALL BE 3/4" CRUSHED STONE.
4. IF THE STONE FILTER BECOMES CLOGGED WITH SEDIMENT, SO THAT IT NO LONGER ADEQUATELY PERFORMS ITS FUNCTION, THE STONE MUST BE PULLED AWAY FROM THE BLOCKS, CLEANED AND REPLACED.

STONE SEDIMENT BARRIER
NOT TO SCALE

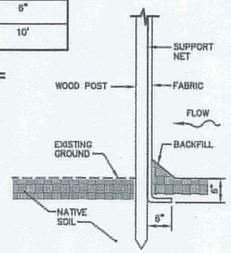


ELEVATION VIEW

SILT FENCE	
SILT FENCE REINFORCEMENT	MAXIMUM SPACING "A"
NONE	6'
WIRE REINFORCEMENT 14 GUAGE,6" MESH	10'



SECTION B–B

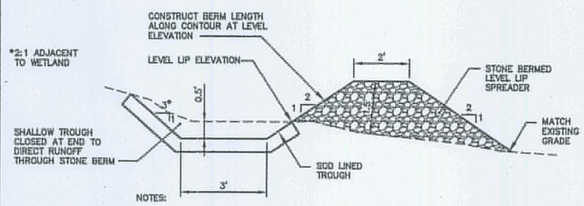


SECTION A–A

SILTATION FENCE DETAIL
NOT TO SCALE

BERM STONE SIZE	
SIEVE DESIGNATION (US CUSTOMARY)	PERCENT BY WEIGHT PASSING
12 IN	100
6 IN	84–100
3 IN	68–83
1 IN	42–55
NO. 4	8–12

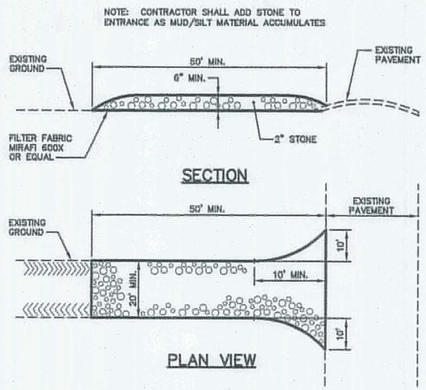
LEVEL LIP SPREADER		
LEVEL LIP	ELEVATION	LENGTH
1	99'	336'
2	104.25'	25'



NOTES:

1. PRIOR TO CONSTRUCTION OF ANY ONSITE DRAINAGE FEATURES, THE CONTRACTOR SHALL STAKE OUT THE LEVEL LIP SPREADERS FOR REVIEW BY GORRILL–PALMER. THE CONTRACTOR SHALL NOTIFY GORRILL–PALMER WHEN STAKE OUT IS COMPLETE, AND PROVIDE GROUND SURVEYED ELEVATIONS OF THE LEVEL LIP SPREADER LOCATION. GORRILL–PALMER WILL CONDUCT A SITE WALK WITHIN 48 HOURS TO CONFIRM LOCATION AND ORIENTATION TO VERIFY DESIGN INTENT.

STONE BERM LEVEL LIP SPREADER
NOT TO SCALE



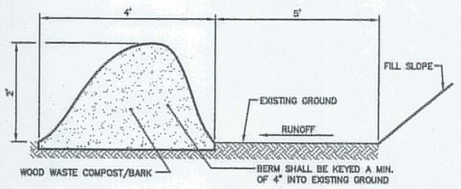
SECTION

PLAN VIEW

STABILIZED CONSTRUCTION ENTRANCE
NOT TO SCALE

NOTES:

1. THE WOOD WASTE COMPOST/BARK MIX SHALL CONFORM TO THE FOLLOWING STANDARDS:
   - A. MOISTURE CONTENT – 30–60%
   - B. pH – 5.0 – 8.0.
   - C. SCREEN SIZE – 100% LESS THAN 3", MAX. 70% LESS THAN 1".
   - D. NO LESS THAN 40% ORGANIC MATERIAL (DRY WEIGHT) BY LOSS OF IGNITION.
   - E. NO STONES LARGER THAN 3" IN DIAMETER.
   - F. SILTS, CLAYS OR SUGAR SANDS ARE NOT ACCEPTABLE IN THE MIX.
2. THE COMPOST BERM SHALL BE PLACED, UNCOMPACTED, ALONG A RELATIVELY LEVEL CONTOUR.
3. THE WOOD WASTE COMPOST/BARK FILTER BERM MAY BE USED IN LIEU OF SILTATION FENCE, AT THE TOE OF SHALLOW SLOPES, ON FROZEN GROUND, LEDGE OUT CROPS, VERY ROOTED FORESTED AREA OR AT THE EDGE OF GRAVEL PARKING AREAS.
4. BERMS SHALL REMAIN IN PLACE UNTIL UPSTREAM AREA IS COMPLETED OR 70% CATCH OF VEGETATION IS ATTAINED. BERMS SHALL BE REMOVED BY SPREADING SUCH THAT NATIVE EARTH CAN BE SEEN BELOW.



WOOD WASTE COMPOST/BARK FILTER BERM DETAIL
NOT TO SCALE

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STATE OF MAINE
DEPARTMENT OF TRANSPORTATION

DATE	MAY 1, 2009
FED PIN NO:	
PIN NO:	16123.50

DOUGLAS E. PHILBRICK No. 5393 — STATE OF MAINE — REGISTERED PROFESSIONAL ENGINEER

PROJECT INFORMATION		
PROGRAM	–	
PROJECT MANAGER	WPP	
DESIGNER	–	
CONSULTANT	ALLIED ENGINEERING	
PROJECT RESIDENT	–	
CONTRACTOR	–	
PROJECT COMPLETION DATE	–	

SIGNATURE — P.E. NUMBER 8405 — DATE

MAINE DEPARTMENT OF TRANSPORTATION
ACADIA GATEWAY FACILITY
BUS MAINTENANCE FACILITY

Erosion Control Details

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OF 8

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