



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

JOHN ELIAS BALDACCI
GOVERNOR

DAVID A. COLE
COMMISSIONER

August 26, 2009
Subject: **Auburn**
Federal Project No: ER-1663(720)X
State Pin No.016637.20
Amendment No. 1

Dear Sir/Ms:

Make the following changes to the Bid Documents:

In the Bid Book (pages 4 through 8) **REMOVE** the "SCHEDULE OF ITEMS", 5 pages dated 090812 and **REPLACE** with the attached new "SCHEDULE OF ITEMS", 5 pages dated 090824.

In the Bid Book, **REMOVE** the first page of each copy of the "CONTRACT AGREEMENT, OFFER & AWARD" (pages 9 and 13) and **REPLACE** with the attached new first pages reflecting the new project completion date.

In the Bid Book (page 39), "SPECIAL PROVISION, SECTION 107, Prosecution and Progress, (Contract Time)" **CHANGE** the completion date under item 2 from July 16, 2010 to read **August 20, 2010**. Make this change in pen and ink.

In the Plans, **REMOVE** Sheet Numbers 2 of 95 through 11 of 95 and **REPLACE** them with the attached new Plan Sheets numbered 2 of 95 through 11 of 95.

NOTE: Plans will be FedExed/mailed to plan holders who purchased plans in the size and quantity ordered.

The following question has been received:

Question: Special Provision 105 calls out a Cross Culvert at sta. 32+50 that is considered to be "in water" work. This Special Provision also calls out the "in water" work dates to be between 7/15 & 9/30. With a bid date of 9/2/09 and a completion date of 7/16/2010 it appears that there may not be enough of a work window this year to install the culvert. Is it possible to extend the "in water" work window by 1 week this season? If the culvert had to be done next year, it could add a lot of time to the contract.

Response: The instream work window cannot be extended. The contract completion date has been extended to August 20, 2010, to allow for the instream work.



PRINTED ON RECYCLED PAPER

Question: Does item 618.146 include enkamaH? If not, is enkamaH to be used and how will it be paid for?

Response: Item 618.146 does not include the installation of turf reinforcement mat (TRM), however TRM is part of this contract. The TRM will be paid for under Item #613.40 and the specifications for the TRM to be utilized can be found under Special Provision 613.40.

Question: Please clarify what the information starting on page 224 of the proposed book is and how it applies to this project?

Response: The information starting on page 224 is the complete Environmental Submittal Package and Permits for the Project. Because the stream where the cross culvert is being replaced outlets into the Androscoggin River, which is Atlantic salmon habitat, an individual permit is required. The permit for the Project was applied for with several other projects, as listed in the Table of Contest for the Environmental Package. The permit requirements for the Project are outlined on page 32 of the Environmental Package (page 258 of the Contract Book)

Question: Please supply a Special Provision for item 613.40 – Turf Reinforcing Mat (TRM).

Response: Refer to Special Provision 613.40 on page 102 of the Bid Book.

Consider these changes and information prior to submitting your bid on September 2, 2009.

Sincerely,

A handwritten signature in black ink, appearing to read "Scott Bickford" followed by "FOR" in a larger, bold font.

Scott Bickford
Contracts & Specifications Engineer

SCHEDULE OF ITEMS

REVISED:

CONTRACT ID: 016637.20

PROJECT(S): ER-1663(720)X

CONTRACTOR : _____

LINE NO	ITEM DESCRIPTION	APPROX. QUANTITY AND UNITS	UNIT PRICE		BID AMOUNT	
			DOLLARS	CTS	DOLLARS	CTS
SECTION 0001 PROJECT ITEMS						
0010	201.11 CLEARING	0.250 AC				
0020	203.20 COMMON EXCAVATION	11780.000 CY				
0030	203.25 GRANULAR BORROW	650.000 CY				
0040	206.061 STRUCTURAL EARTH EXCAVATION - DRAINAGE AND MINOR STRUCTURES, BELOW GRADE	25.000 CY				
0050	304.10 AGGREGATE SUBBASE COURSE - GRAVEL	7000.000 CY				
0060	403.207 HOT MIX ASPHALT 19.0 MM HMA	1050.000 T				
0070	403.208 HOT MIX ASPHALT 12.5 MM HMA SURFACE	720.000 T				
0080	403.209 HOT MIX ASPHALT 9.5 MM HMA (SIDEWALKS, DRIVES, INCIDENTALS)	25.000 T				
0090	409.15 BITUMINOUS TACK COAT - APPLIED	190.000 G				
0100	603.17 18 INCH CULVERT PIPE OPTION I	131.000 LF				

SCHEDULE OF ITEMS

REVISED:

CONTRACT ID: 016637.20

PROJECT(S): ER-1663(720)X

CONTRACTOR : _____

LINE NO	ITEM DESCRIPTION	APPROX. QUANTITY AND UNITS	UNIT PRICE		BID AMOUNT	
			DOLLARS	CTS	DOLLARS	CTS
0110	603.179 18 INCH CULVERT PIPE OPTION III	56.000 LF				
0120	603.199 24 INCH CULVERT PIPE OPTION III	30.000 LF				
0130	603.235 48 INCH REINFORCED CONCRETE PIPE CLASS III	112.000 LF				
0140	605.09 6 INCH UNDERDRAIN TYPE B	305.000 LF				
0150	605.10 6 INCH UNDERDRAIN OUTLET	40.000 LF				
0160	605.15 24 INCH UNDERDRAIN TYPE C	415.000 LF				
0170	606.23 GUARDRAIL TYPE 3C - SINGLE RAIL	975.000 LF				
0180	606.353 REFLECTORIZED FLEXIBLE GUARDRAIL MARKER	12.000 EA				
0190	606.356 UNDERDRAIN DELINEATOR POST	2.000 EA				
0200	606.79 GUARDRAIL 350 FLARED TERMINAL	6.000 EA				
0210	609.31 CURB TYPE 3	235.000 LF				

SCHEDULE OF ITEMS

REVISED:

CONTRACT ID: 016637.20

PROJECT(S): ER-1663(720)X

CONTRACTOR : _____

LINE NO	ITEM DESCRIPTION	APPROX. QUANTITY AND UNITS	UNIT PRICE		BID AMOUNT	
			DOLLARS	CTS	DOLLARS	CTS
0220	610.08 PLAIN RIPRAP	18.000 CY				
0230	613.319 EROSION CONTROL BLANKET	80.000 SY				
0240	613.40 TURF REINFORCEMENT MAT - (TRM)	1150.000 SY				
0250	615.07 LOAM	150.000 CY				
0260	618.1401 SEEDING METHOD NUMBER 2 - PLAN QUANTITY	12.000 UN				
0270	618.146 SEEDING HYDROMULCH GROWTH MEDIUM	11.000 UN				
0280	619.1201 MULCH - PLAN QUANTITY	12.000 UN				
0290	620.58 EROSION CONTROL GEOTEXTILE	750.000 SY				
0300	620.65 REINFORCEMENT GEOGRID	2280.000 SY				
0310	627.711 WHITE OR YELLOW PAINTED PAVEMENT MARKING LINE (PLAN QUANTITY)	3600.000 LF				
0320	627.76 TEMPORARY PVMT. MARK LINE, W OR YELLOW	LUMP	LUMP			

SCHEDULE OF ITEMS

REVISED:

CONTRACT ID: 016637.20

PROJECT(S): ER-1663(720)X

CONTRACTOR : _____

LINE NO	ITEM DESCRIPTION	APPROX. QUANTITY AND UNITS	UNIT PRICE		BID AMOUNT	
			DOLLARS	CTS	DOLLARS	CTS
0330	629.05 HAND LABOR, STRAIGHT TIME	10.000 HR				
0340	631.12 ALL PURPOSE EXCAVATOR (INCLUDING OPERATOR)	10.000 HR				
0350	631.172 TRUCK - LARGE (INCLUDING OPERATOR)	20.000 HR				
0360	631.18 CHAIN SAW RENTAL (INCLUDING OPERATOR)	10.000 HR				
0370	639.19 FIELD OFFICE TYPE B	1.000 EA				
0380	652.33 DRUM	25.000 EA				
0390	652.34 CONE	50.000 EA				
0400	652.35 CONSTRUCTION SIGNS	280.000 SF				
0410	652.36 MAINTENANCE OF TRAFFIC CONTROL DEVICES	90.000 CD				
0420	652.38 FLAGGER	5000.000 HR				
0430	656.75 TEMPORARY SOIL EROSION AND WATER POLLUTION CONTROL	LUMP	LUMP			

SCHEDULE OF ITEMS

REVISED:

CONTRACT ID: 016637.20

PROJECT(S): ER-1663(720)X

CONTRACTOR : _____

LINE NO	ITEM DESCRIPTION	APPROX. QUANTITY AND UNITS	UNIT PRICE		BID AMOUNT	
			DOLLARS	CTS	DOLLARS	CTS
0440	659.10 MOBILIZATION	LUMP	LUMP			
	SECTION 0001 TOTAL					
	TOTAL BID					

CONTRACT AGREEMENT, OFFER & AWARD

AGREEMENT made on the date last signed below, by and between the State of Maine, acting through and by its Department of Transportation (Department), an agency of state government with its principal administrative offices located at Child Street, Augusta, Maine, with a mailing address at 16 State House Station, Augusta, Maine 04333-0016, and

_____ a corporation or other legal entity organized under the laws of the State of _____, with its principal place of business located at _____

The Department and the Contractor, in consideration of the mutual promises set forth in this Agreement (the "Contract"), hereby agree as follows:

A. The Work.

The Contractor agrees to complete all Work as specified or indicated in the Contract including Extra Work in conformity with the Contract, PIN No. **16637.20** for **Highway Improvements** in the city of **Auburn**, County of **Androscoggin**, Maine. The Work includes construction, maintenance during construction, warranty as provided in the Contract, and other incidental work.

The Contractor shall be responsible for furnishing all supervision, labor, equipment, tools supplies, permanent materials and temporary materials required to perform the Work including construction quality control including inspection, testing and documentation, all required documentation at the conclusion of the project, warranting its work and performing all other work indicated in the Contract.

The Department shall have the right to alter the nature and extent of the Work as provided in the Contract; payment to be made as provided in the same.

B. Time.

The Contractor agrees to complete all Work, except warranty work, on or before **August 20, 2010**. Further, the Department may deduct from moneys otherwise due the Contractor, not as a penalty, but as Liquidated Damages in accordance with Sections 107.7 and 107.8 of the State of Maine Department of Transportation Standard Specifications, Revision of December 2002 and related Special Provisions.

CONTRACT AGREEMENT, OFFER & AWARD

AGREEMENT made on the date last signed below, by and between the State of Maine, acting through and by its Department of Transportation (Department), an agency of state government with its principal administrative offices located at Child Street, Augusta, Maine, with a mailing address at 16 State House Station, Augusta, Maine 04333-0016, and

_____ a corporation or other legal entity organized under the laws of the State of _____, with its principal place of business located at _____

The Department and the Contractor, in consideration of the mutual promises set forth in this Agreement (the "Contract"), hereby agree as follows:

A. The Work.

The Contractor agrees to complete all Work as specified or indicated in the Contract including Extra Work in conformity with the Contract, PIN No. **16637.20** for **Highway Improvements** in the city of **Auburn**, County of **Androscoggin**, Maine. The Work includes construction, maintenance during construction, warranty as provided in the Contract, and other incidental work.

The Contractor shall be responsible for furnishing all supervision, labor, equipment, tools supplies, permanent materials and temporary materials required to perform the Work including construction quality control including inspection, testing and documentation, all required documentation at the conclusion of the project, warranting its work and performing all other work indicated in the Contract.

The Department shall have the right to alter the nature and extent of the Work as provided in the Contract; payment to be made as provided in the same.

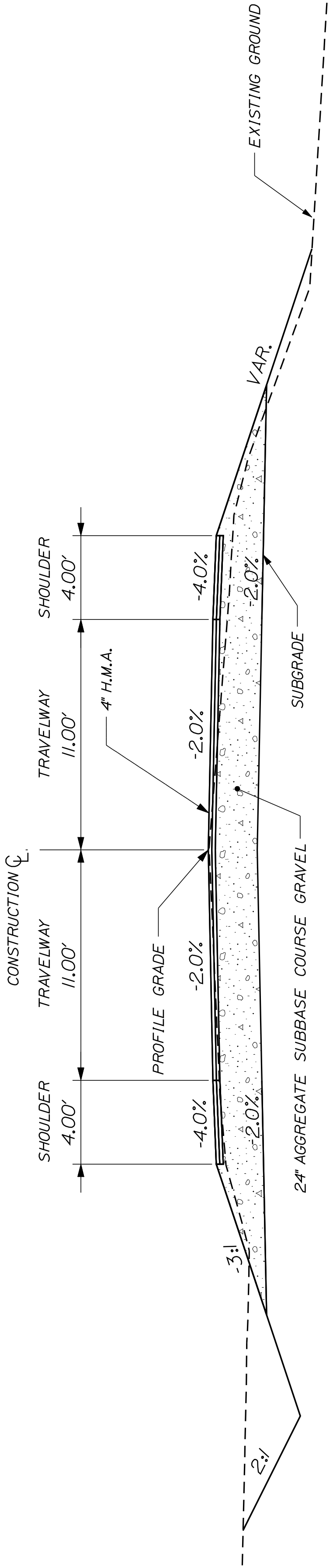
B. Time.

The Contractor agrees to complete all Work, except warranty work, on or before **August 20, 2010**. Further, the Department may deduct from moneys otherwise due the Contractor, not as a penalty, but as Liquidated Damages in accordance with Sections 107.7 and 107.8 of the State of Maine Department of Transportation Standard Specifications, Revision of December 2002 and related Special Provisions.

DATE	8-20-09
P.E. NUMBER	JDF
SIGNATURE	[Signature]

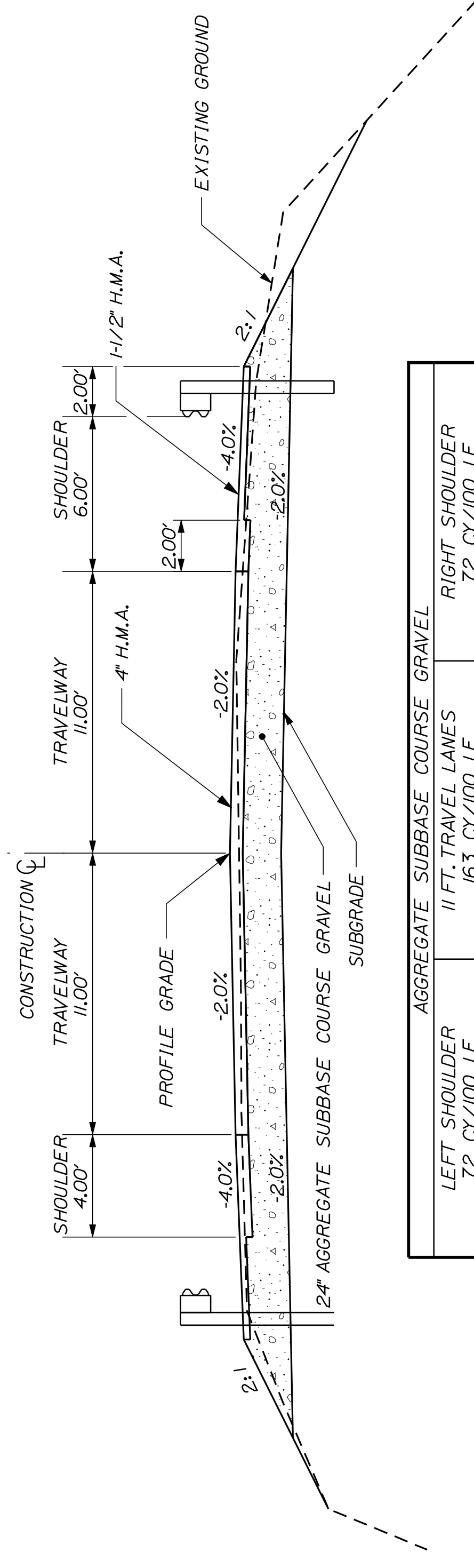
NOTE:

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.
2. CROWNS FOR BOTH NORMAL AND SUPERELEVATION SECTIONS FOR ALL COURSES OF SUBBASE AND PAVEMENT SHALL BE STRAIGHT.
3. THE ALGEBRAIC DIFFERENCE BETWEEN THE SHOULDER AND TRAVELWAY CROSS SLOPES "FOLLOWER" SHALL NOT EXCEED 8%.
4. THE STATIONING SHOWN UNDER EACH TYPICAL IS APPROXIMATE.
5. 7' GUARDRAIL POSTS SHALL BE USED IN GUARDRAIL SECTIONS.



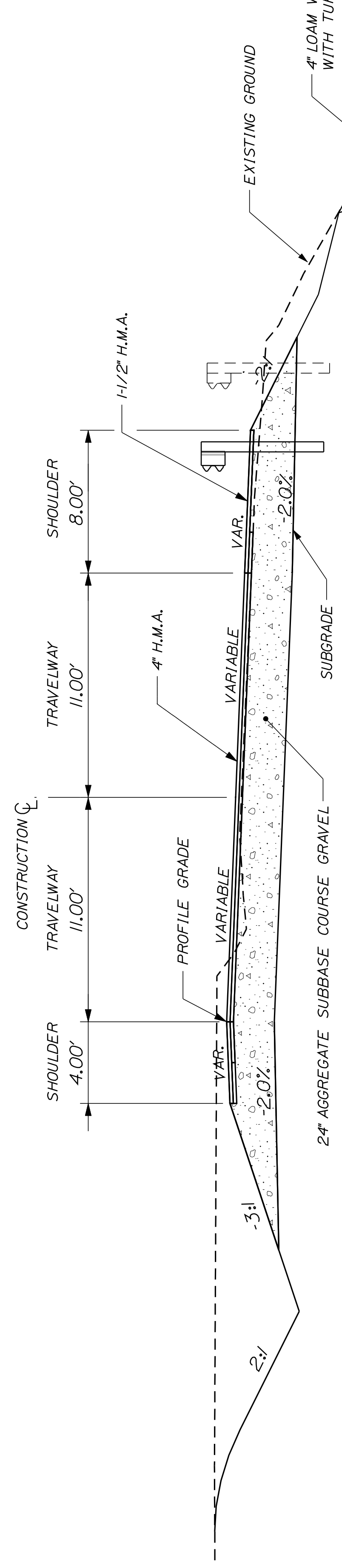
AGGREGATE SUBBASE COURSE GRAVEL	
LEFT SHOULDER	RIGHT SHOULDER
56 CY/100 LF	56 CY/100 LF
STATION TO STATION	STATION TO STATION
15+00 TO 15+50 LT.	15+00 TO 15+50 RT.
28+25 TO 31+25 LT.	28+25 TO 31+25 RT.
34+00 TO 37+74 LT.	34+00 TO 37+74 RT.

FULL CONSTRUCTION - NORMAL



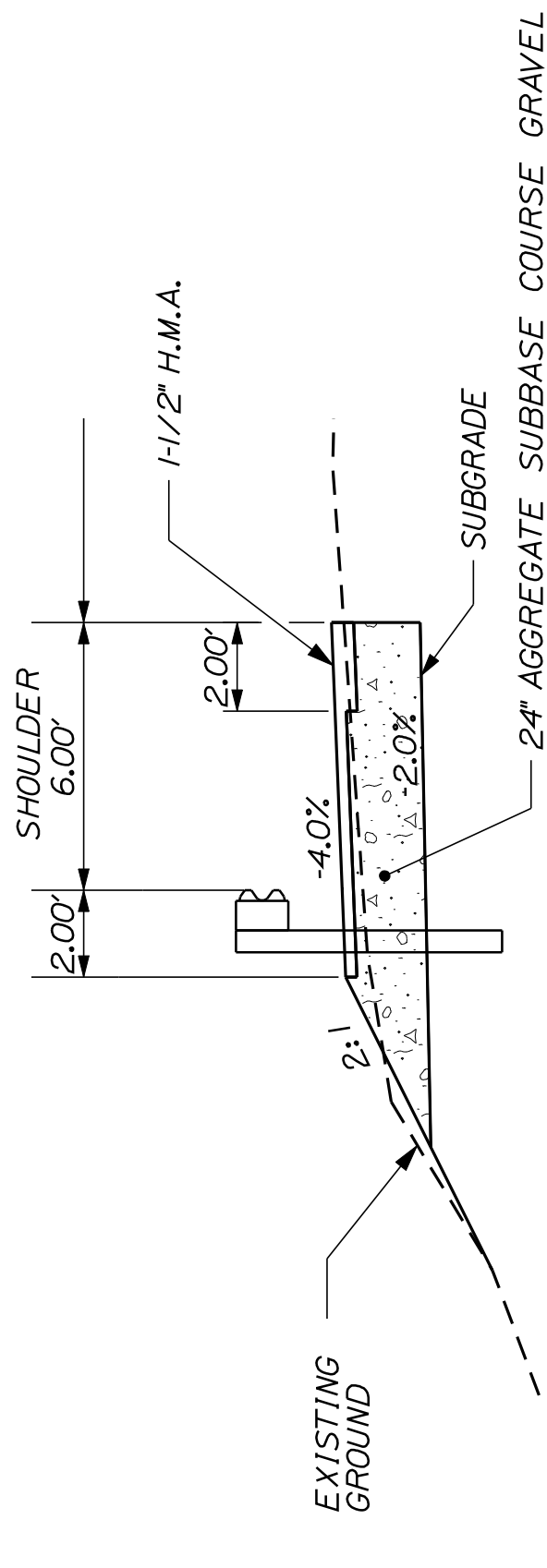
AGGREGATE SUBBASE COURSE GRAVEL	
LEFT SHOULDER	RIGHT SHOULDER
72 CY/100 LF	72 CY/100 LF
STATION TO STATION	STATION TO STATION
31+25 TO 34+00 LT.	31+25 TO 34+00 RT.

FULL CONSTRUCTION - GUARDRAIL - NORMAL

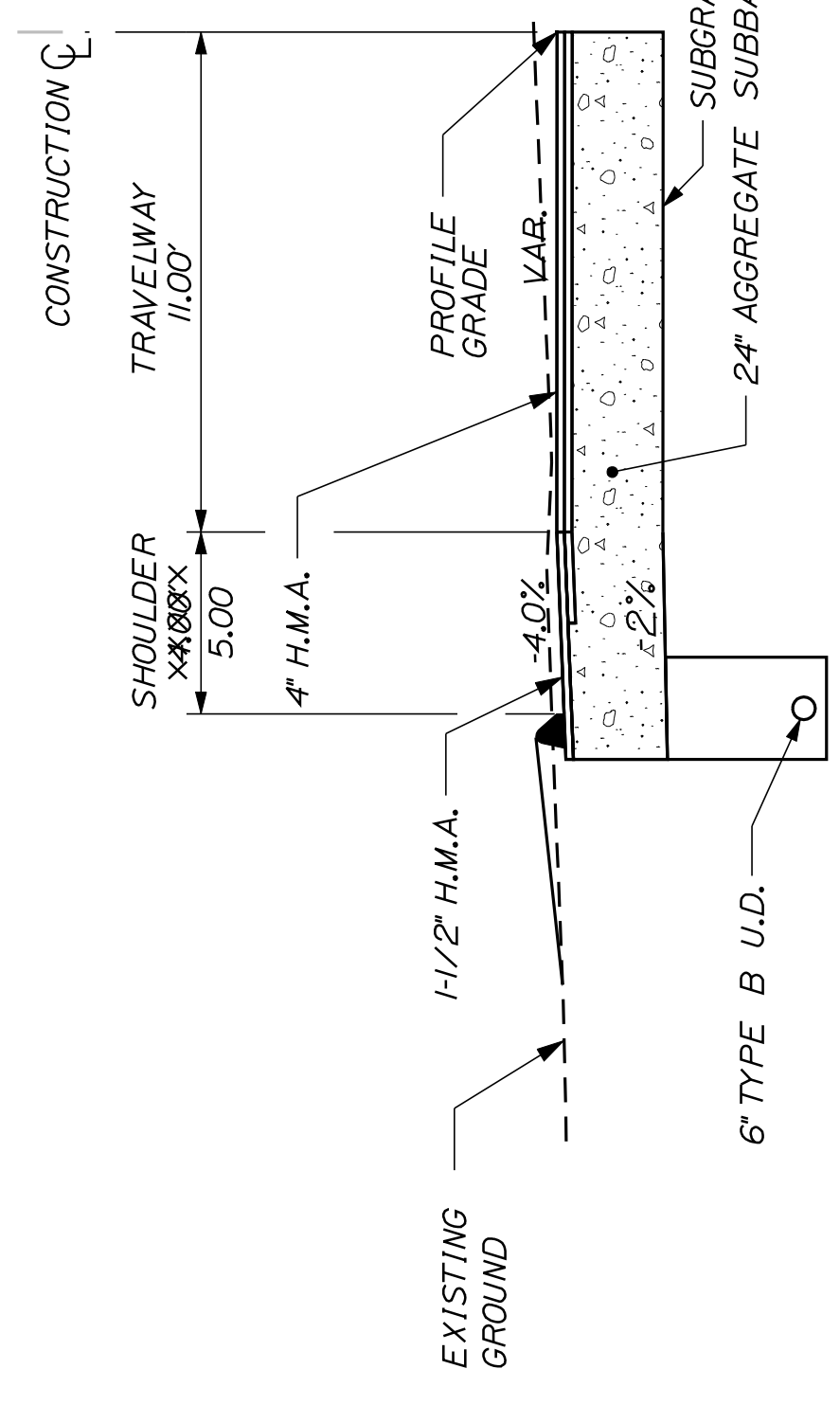


AGGREGATE SUBBASE COURSE GRAVEL	
LOW SIDE SUPERELEVATED SHOULDER	HIGH SIDE SUPERELEVATED SHOULDER
71 CY/100 LF	64 CY/100 LF
STATION TO STATION	STATION TO STATION
21+00 TO 24+00 RT.	19+75 TO 21+00 RT.
	21+50 TO 24+00 LT.

FULL CONSTRUCTION - GUARDRAIL - SUPERELEVATED



SHOULDER W/ GUARDRAIL TYPE 3C



SHOULDER WITH CURB TYPE 3 MOLD 2 AND 6" TYPE B U.D.

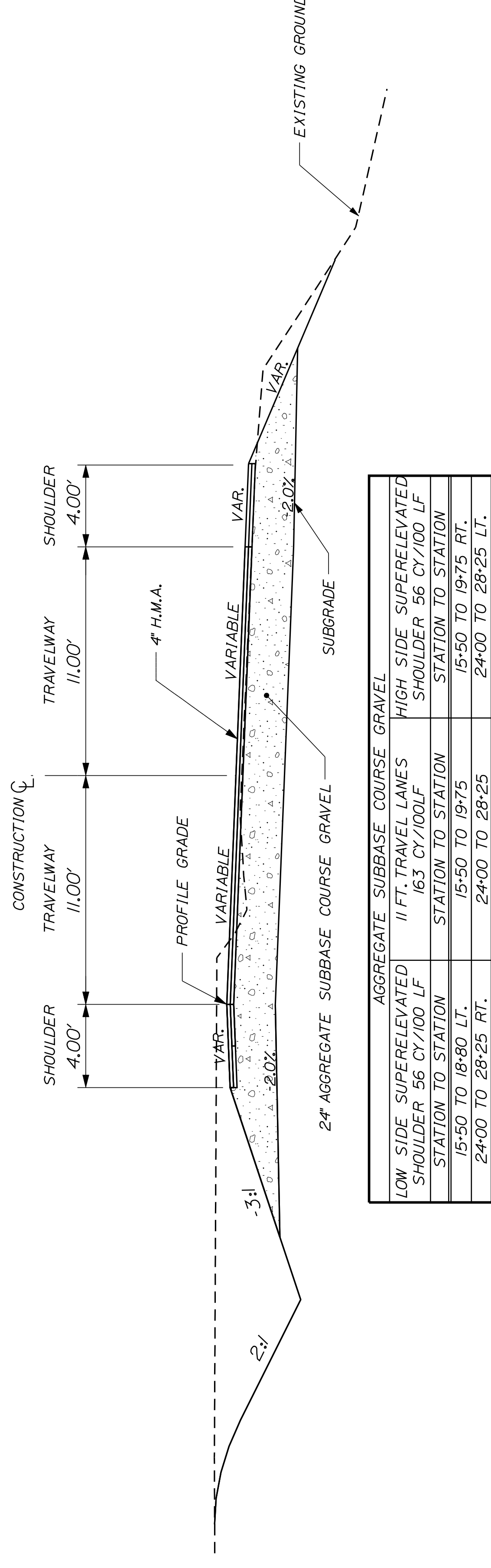
AGGREGATE SUBBASE COURSE GRAVEL	
SHOULDER	
38 CY/100 LF	
STATION TO STATION	
18+80 TO 21+50 LT.	

4" LOAM WITH COVERED WITH TURF REINFORCED MAT

LT. SHOULDER	LT TRAVELWAY	STATION	RT TRAVELWAY	RT. SHOULDER
-4.0	-2.0	START	-2.0	-4.0
-4.0	-2.0	15+01	-2.0	-4.0
-4.0	-2.0	TO	-2.0	-4.0
-4.0	-2.0	15+50	-2.0	-4.0
-4.0	-2.0	15+75	-1.4	-4.0
-4.0	-2.0	16+00	-0.8	-4.0
-4.0	-2.0	16+24.33	0.1	-4.0
-4.0	-2.0	16+25	-0.1	-4.0
-4.0	-2.0	16+50	-0.5	-4.0
-4.0	-2.0	16+75	-1.1	-4.0
-4.0	-2.0	17+00	1.7	-4.0
-4.0	-2.4	17+25	-2.4	-4.0
-4.0	-3.0	17+50	-3.0	-4.0
-4.0	-3.0	TO	-3.0	-4.0
-4.0	-3.0	19+50	-3.0	-4.0
-3.9	-2.6	19+64.37	-2.6	-4.0
-4.0	-2.5	19+75	-2.5	-4.0
-4.0	-2.0	20+00	-2.0	-4.0
-4.0	-1.5	20+25	-1.5	-4.0
-4.0	-0.9	20+50	1.0	-4.0
-4.0	-0.5	20+75	-0.5	-4.0
-4.0	0.0	21+00	0.0	-4.0
-4.0	0.5	21+25	0.5	-4.0
-4.0	-1.0	21+50	-1.0	-4.0
-4.0	-1.5	21+75	-1.5	-4.0
-4.0	-2.0	22+00	-2.0	-4.0
-4.0	-2.5	22+25	-2.5	-4.0
-4.0	-3.0	22+50	-3.0	-4.0
-4.0	-3.5	22+75	-3.5	-4.0
-4.0	-4.0	23+00	-4.0	-4.0
-3.5	-4.5	23+25	-4.5	-4.5
-3.0	-5.0	23+50	-5.0	-5.0
-3.0	-5.0	TO	-5.0	-5.0
-3.0	-4.4	26+00	-5.0	-5.0
-4.0	-3.5	26+25	-4.4	-4.4
-4.0	-2.6	26+50	-3.5	-4.0
-4.0	-1.8	26+75	-2.6	-4.0
-4.0	-1.0	27+00	-2.0	-4.0
-4.0	-0.9	27+25	-2.0	-4.0
-4.0	0.0	27+50	-2.0	-4.0
-4.0	-0.9	27+75	-2.0	-4.0
-4.0	-1.7	28+00	-2.0	-4.0
-4.0	-2.0	28+25	-2.0	-4.0
-4.0	-2.0	TO	-2.0	-4.0
-4.0	-2.0	37+74	-2.0	-4.0
-4.0	-2.0	END	-2.0	-4.0

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 TRAVELWAY CROSS SLOPES "ROLLOVER" SHALL NOT EXCEED 8%.
6. THE STATIONING SHOWN UNDER EACH TYPICAL IS APPROXIMATE.



LOW SIDE SUPERELEVATED SHOULDER 56 CY/100 LF STATION TO STATION	11 FT. TRAVEL LANES 163 CY/100LF STATION TO STATION	HIGH SIDE SUPERELEVATED SHOULDER 56 CY/100 LF STATION TO STATION
15+50 TO 18+80 LT.	15+50 TO 19+75	15+50 TO 19+75 RT.
24+00 TO 28+25 RT.	24+00 TO 28+25	24+00 TO 28+25 LT.

FULL CONSTRUCTION SUPERELEVATED

DATE	P.E. NUMBER	SIGNATURE
8-20-09	JDF	

PROJ. MANAGER	BY	DATE
J. TWEDDE	B. KITTREDGE	JULY 2009

ITEM NO.	DESCRIPTION	QUANTITY	UNIT
20.11	CLEARING	.25	AC
203.20	COMMON EXCAVATION	11780	CY
203.25	GRANULAR BORROW	650	CY
206.061	STR EARTH BELOW GRADE STR	25	CY
304.10	AGGR SUBB COURSE - GRAVEL	7000	CY
403.207	HOT MIX ASPHALT 19.0 MM HMA	1050	T
403.208	HOT MIX ASPHALT 12.5 MM HMA SURFACE	720	T
403.209	HOT MIX ASPHALT 9.5 MM HMA (INCLD.)	25	T
409.15	BITUMINOUS TACK COAT APPLIED	190	G
603.17	18" CULV PIPE OPTION I	131	LF
603.179	18" CULV PIPE OPTION III	56	LF
603.199	24" CULV PIPE OPTION III	30	LF
603.235	48" RCP CLASS III	112	LF
605.09	6" UNDERDRAIN TYPE B	305	LF
605.10	6" UNDERDRAIN OUTLET	40	LF
605.15	24" UNDERDRAIN TYPE C	415	LF
606.353	REFLECTORIZED FLEXIBLE GUARDRAIL MARKER	12	EA
606.356	UNDERDRAIN DELINEATOR	2	EA
606.79	GUARDRAIL 350 FLARED TERMINAL	6	EA
609.31	CURB TYPE 3	235	LF
610.08	PLAIN RIPRAP	18	CY
613.319	EROSION CONTROL BLANKET	416	SY
613.40	TURF REINFORCEMENT MAT	150	CY
615.07	LOAM	12	UN
618.1401	SEEDING METHOD NUMBER 2 - PLAN QUANTITY	12	UN
619.1201	MULCH - PLAN QUANTITY	12	UN
620.58	EROSION CONTROL GEOTEXTILE	750	SY
620.65	REINFORCEMENT GEOGRID	2280	SY
627.711	WH OR YELL PAINT PVMT MARKING LINE	3600	LF
627.76	TEMPORARY PVMT MARK LINE W OR YELLOW	1	LS
629.05	HAND LABOR, STRAIGHT TIME	10	HR
631.12	ALL-PURPOSE EXC (INC OPERATOR)	10	HR
631.172	TRUCK-LARGE (INC OPERATOR)	20	HR
639.19	FIELD OFFICE TYPE B	1	EA
652.33	DRUM	1	EA
652.34	CONE	25	EA
652.35	CONSTRUCTION SIGNS	50	EA
652.35	CONSTRUCTION SIGNS	280	SF
652.38	MAINT OF TRAFFIC CONTR DEVICES	90	CD
652.38	FLAGGER	5000	HR
656.75	TEMP. SOIL EROS. AND WATER POLL. CONTROL	1	LS
659.10	MOBILIZATION	1	LS
606.23	GR TYPE 3C - SINGLE RAIL	975	LF

EARTHWORK SUMMARY

COMMON EXCAVATION FOR ESTIMATE
COMMON EXCAVATION (FROM CROSS SECTIONS)
TOTAL COMMON EXCAVATION 11,780

FILL FOR BORROW CALCULATIONS
COMMON FILL (FROM CROSS SECTIONS)
TOTAL FILL 565

ROCK EXCAVATION FOR ESTIMATE
TOTAL ROCK EXCAVATION 0

UNCLASSIFIED EXCAVATION FOR ESTIMATE
TOTAL UNCLASSIFIED EXCAVATION 0

AVAILABLE COMMON EXCAVATION FOR BORROW CALCULATIONS
(1) TOTAL COMMON EXCAVATION 11,780
(2) TOTAL DEDUCTIONS 0
TOTAL AVAILABLE COMMON EXCAVATION (1) MINUS (2)
TOTAL AVAILABLE STRUCT. EXCAVATIONS (USUALLY UNDERDRAIN ONLY) 405
TOTAL AVAILABLE NON-ROCK EXCAVATION 12,185

COMPUTATION OF GRANULAR BORROW FOR ESTIMATE
GRANULAR BORROW FOR UNDERCUTTING 565
GRANULAR BORROW = 565 x 1.15 = 650

COMPUTATION FOR COMMON BORROW FOR ESTIMATE
(3) TOTAL FILL 565
TOTAL AVAIL. NON-ROCK EXCAV. 12,185 x 0.85 = 10,357
(4) TOTAL AVAILABLE EXCAVATION = 10,357

SURPLUS AVAILABLE EXCAVATION = TOTAL AVAILABLE EXCAVATION MINUS TOTAL FILL
TOTAL SURPLUS MATERIAL = AVAILABLE EXCAVATION MINUS TOTAL FILL, PLUS TOTAL WASTE MATERIAL
SURPLUS MATERIAL = 9792 m3

PROJ. MANAGER J. TWEDDE
BY
DATE
CHECKED-REVIEWED B. KITTREDGE
DESIGN-DETAILER J.H.
JULY 2009
SIGNATURE
P.B. NUMBER
DATE

REVISIONS 1 JDF
DESIGN-DETAILER
REVISIONS 2
REVISIONS 3
REVISIONS 4
FIELD CHANGES

CONSTRUCTION NOTES

DRIVEWAYS AND ENTRANCES

LOCATION	DESCRIPTION
STA. 19+29 LT.	PAVED DRIVE
STA. 19+64 LT.	PAVED DRIVE
STA. 28+98 LT.	PAVED DRIVE

ITEM #606.23 GUARDRAIL TYPE 3C - SINGLE RAIL

LOCATION	QUANTITY
STA. 19+75 TO STA. 24+00 RT.	425 LF
STA. 31+25 TO STA. 34+00 RT.	275 LF
STA. 31+25 TO STA. 34+00 LT.	275 LF

ITEM #606.79 GUARDRAIL 350 FLARED TERMINAL

LOCATION	QUANTITY
STA. 19+37.50 TO STA. 19+75.00 RT.	1 EA
STA. 24+00.00 TO STA. 24+37.50 RT.	1 EA
STA. 30+87.50 TO STA. 31+25.00 RT.	1 EA
STA. 30+87.50 TO STA. 31+25.00 LT.	1 EA
STA. 34+00.00 TO STA. 34+37.50 RT.	1 EA
STA. 34+00.00 TO STA. 34+37.50 LT.	1 EA

ITEM #609.31 CURB TYPE 3 - MOLD 2

LOCATION	QUANTITY
STA. 18+80 TO STA. 19+21 LT.	41 LF
STA. 19+38 TO STA. 19+54 LT.	16 LF
STA. 19+72 TO STA. 21+50 LT.	178 LF

ITEM #610.08 PLAIN RIPRAP

LOCATION	DESCRIPTION	QUANTITY
STA. 16+29 RT & LT. +/-	CULVERT END TREATMENTS AND PADS	41 LF
STA. 32+52 RT & LT. +/-	CULVERT END TREATMENTS	16 LF
		178 LF

GENERAL NOTES

1. ALL UTILITY FACILITIES SHALL BE ADJUSTED BY THE RESPECTIVE UTILITIES UNLESS OTHERWISE NOTED.
2. CLEARING LIMITS ARE NOT SHOWN ON THE PLANS. REQUIRED CLEARING LIMITS GENERALLY CONSIST OF THE AREA AROUND AERIAL UTILITY LOCATIONS, FOR A HORIZONTAL DISTANCE OF 8 FEET BEYOND THE UTILITY FOR THE LENGTH OF THE PROJECT.
3. 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.
4. THE CONTRACTOR SHALL NOT EXCAVATE BELOW ELEVATION 124, UNLESS EXPLICITLY SHOWN ON THE PLANS. IF EXCAVATION IS REQUIRED BELOW ELEVATION 124, THE CONTRACTOR SHALL OBTAIN APPROVAL FROM THE RESIDENT.
5. DRIVEWAY FILL SIDE SLOPES SHALL BE THE SAME AS THE NON-GUARDRAIL FILL SLOPES UNLESS OTHERWISE NOTED ON THE PLANS.
- 6 ALL WASTE MATERIAL NOT USED ON THE PROJECT SHALL BE DISPOSED OF OFF THE PROJECT IN WASTE AREAS APPROVED BY THE RESIDENT. THE REQUIRED DITCH PROTECTION SHOWN ON THE PLANS OR IN THE CONSTRUCTION NOTES IS FOR ESTIMATING PURPOSES ONLY.
7. THE ACTUAL TYPE AND LOCATION OF DITCH PROTECTION MAY BE ALTERED BY THE RESIDENT.
8. IF FOUNDATION MATERIAL IS REQUIRED UNDER CULVERTS, IT SHALL MEET THE REQUIREMENTS FOR GRANULAR BORROW - UNDERWATER BACKFILL AND WILL PAID FOR AS GRANULAR BORROW.
9. GRANULAR BORROW USED SHALL MEET REQUIREMENTS FOR GRANULAR BORROW UNDERWATER BACKFILL.
 - o THE FOLLOWING SHALL BE INCIDENTAL TO THE 603 ITEM(S):
 - o ANY CUTTING OF EXISTING CULVERTS AND OR CONNECTORS NECESSARY TO INSTALL NEW CULVERT REPLACEMENTS OR EXTENSIONS
 - o ALL PIPE EXCAVATION INCLUDING ANY CUTTING AND REMOVAL OF PAVEMENT
 - o ALL DITCHING AT PIPE ENDS
 - o FINISHING, 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 PIPE INSTALLATION (EXCAVATION IS ALSO INCIDENTAL).
 - o GRANULAR BORROW UNDER THE PIPE SHALL MEET THE REQUIREMENTS FOR UNDERWATER BACKFILL
 - o ALL WORK NECESSARY TO CONNECT TO EXISTING PIPES AND DRAINAGE STRUCTURES
 - o ANY NECESSARY CLEARING OF BRUSH AND NON-PAY TREES AT CULVERT ENDS
11. NO EXISTING DRAINAGE SHALL BE ABANDONED, REMOVED OR PLUGGED WITHOUT PRIOR APPROVAL OF THE RESIDENT.
12. FOR ITEM # 606.15, FRENCH DRAIN STONE SHALL BE USED IN PLACE OF UNDERDRAIN BACKFILL. FRENCH DRAIN STONE SHALL MEET THE REQUIREMENTS OF STANDARD SPECIFICATION 703.24.
13. INLETS AND OUTLETS OF ALL CULVERTS SHALL BE RIPRAPPED UNLESS OTHERWISE NOTED ON THE PLANS OR DIRECTED BY THE RESIDENT.
14. THE CULVERT SIZES SHOWN ON THE PLANS AND CROSS SECTIONS ARE FOR SMOOTHLINED PIPES. FOR COMPARABLE CORRUGATED SIZES SEE THE DRAINAGE TABULATION.
15. GUARDRAIL END TREATMENTS SHALL BE INSTALLED CONCURRENTLY WITH THE PLACEMENT OF EACH SECTION OF BEAM GUARDRAIL.
16. HOLES CREATED BY GUARDRAIL REMOVAL WILL BE FILLED AND COMPACTED WITH APPROVED MATERIALS AS DIRECTED BY THE RESIDENT. PAYMENT TO BE CONSIDERED INCIDENTAL TO THE GUARDRAIL ITEMS.
17. ALL EXISTING GUARDRAIL SHALL BE REMOVED AND BECOME THE PROPERTY OF THE CONTRACTOR. REMOVAL AND DISPOSAL SHALL BE CONSIDERED INCIDENTAL TO THE GUARDRAIL ITEMS.
18. TWO REFLECTORIZED FLEXIBLE G.R. MARKERS (ITEM 606.353) WILL BE INSTALLED AT EACH GUARDRAIL END. A DELINEATOR POST (ITEM 606.356) WILL BE INSTALLED AT EACH UNDERDRAIN OUTLET.
19. 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
20. THE CONTRACTOR WILL BE RESPONSIBLE FOR MAINTAINING ALL EXISTING MAILBOXES TO ENSURE THAT THE MAIL WILL BE DELIVERABLE. NO SEPARATE PAYMENT WILL BE MADE FOR THIS WORK; IT SHALL BE CONSIDERED INCIDENTAL TO THE CONTRACT.
21. THE CONTRACTOR IS RESPONSIBLE FOR THE CAREFUL SIDE STAKING OF EXISTING CENTERLINE AS PER STANDARD SPECIFICATION 105.62. 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.
22. AREAS REQUIRING FILL ON THE PROJECT WILL COME FROM SUITABLE EXCAVATION FROM EXCAVATION AREAS.
23. 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.
24. NO SEPARATE PAYMENT FOR SUPERINTENDENT OR FOREMAN WILL BE MADE FOR THE SUPERVISION OF EQUIPMENT BEING PAID FOR UNDER THE EQUIPMENT RENTAL ITEMS.
25. "UNDETERMINED LOCATIONS" SHALL BE DETERMINED BY THE RESIDENT.
26. STATIONS REFERENCED ARE APPROXIMATE.
27. ALL WORK SHALL BE DONE IN ACCORDANCE WITH THE MAINE DEPARTMENT OF TRANSPORTATION'S BEST MANAGEMENT PRACTICES FOR EROSION CONTROL & SEDIMENT CONTROL, FEBRUARY, 2008.
28. MAINEDOT WILL FINAL STRIPE THE PROJECT. THE CONTRACTOR IS RESPONSIBLE FOR TRANSFERRING THE EXISTING STRIPING PATTERN TO THE SURFACE COURSE.

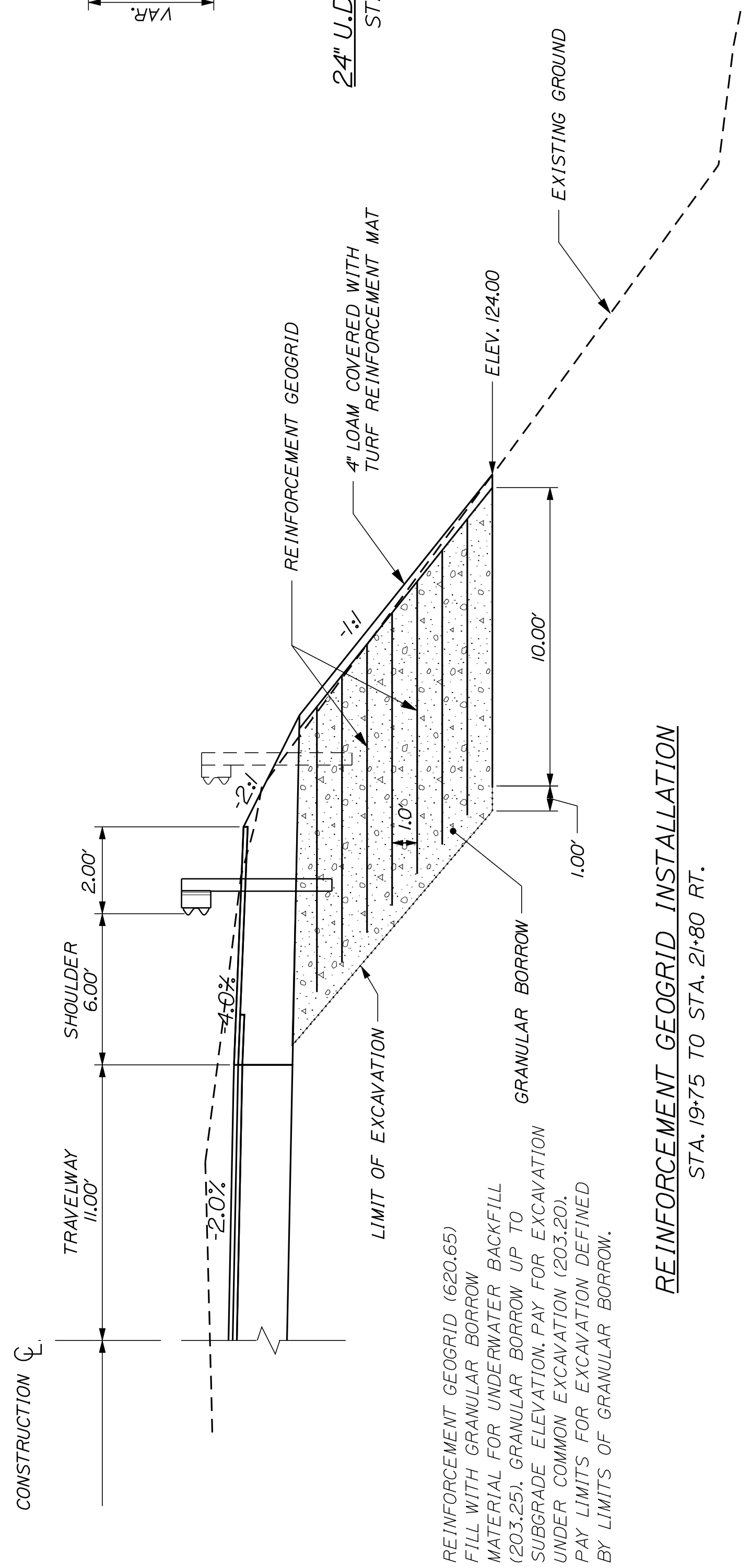
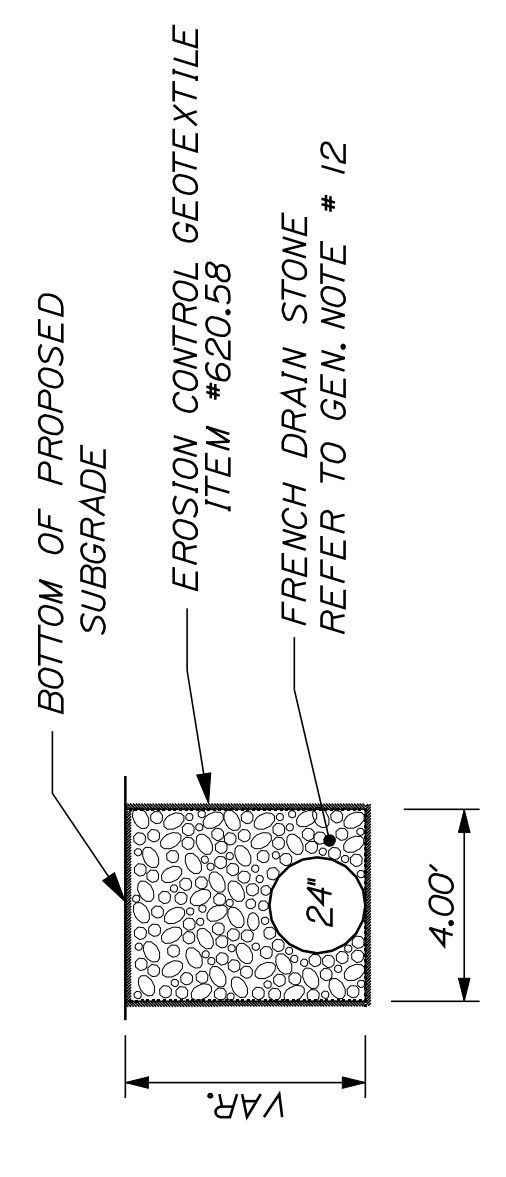
STATE OF MAINE DEPARTMENT OF TRANSPORTATION	AUBURN ROUTE 136
16637.20 PIN	CONSTRUCTION NOTES & GENERAL NOTES
16637.20 HIGHWAY PLANS	FIELD CHANGES

PROJ. MANAGER	J. TWEDDE	DATE	
DESIGN-DETAILED	B. KITTREDGE	BY	
CHECKED-REVIEWED	J.H.	DATE	JULY 2009
DESIGN-DETAILED			
REVISIONS 1	JDF	P.E. NUMBER	8-24-09
REVISIONS 2			
REVISIONS 3			
REVISIONS 4			
FIELD CHANGES			

NOT TO SCALE

NOTE:

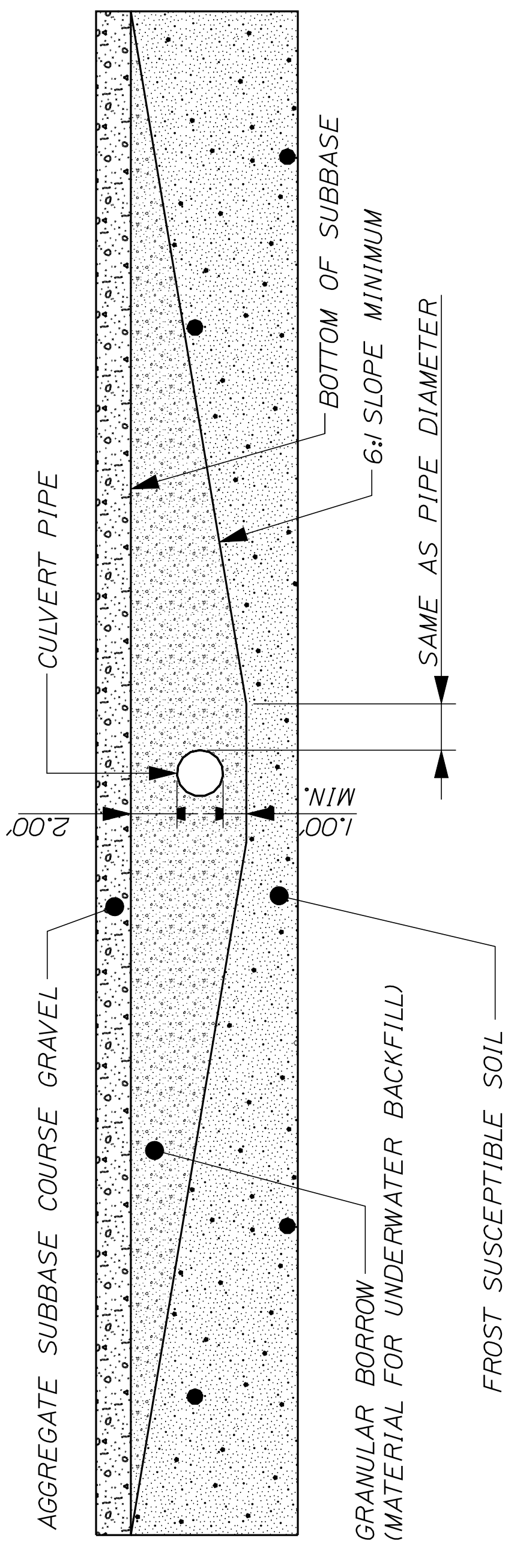
1. THE PAVEMENT, BASE AND SUBBASE DEPTHS AS SHOWN ON THE PLANS ARE INTENDED TO BE NOMINAL.
2. WHEN SUPERELEVATION EXCEEDS THE SLOPE OF THE LOW SIDE SHOULDER, THE LOW SIDE SHOULDER SHALL HAVE THE SAME SLOPE AS THE TRAVELWAY.
3. CROWNS FOR BOTH NORMAL AND SUPERELEVATION SECTIONS FOR ALL COURSES OF SUBBASE AND PAVEMENT SHALL BE STRAIGHT.
4. THE ALGEBRAIC DIFFERENCE BETWEEN THE SHOULDER AND TRAVELWAY CROSS SLOPES "ROLLOVER" SHALL NOT EXCEED 8%.
5. 7' GUARDRAIL POSTS SHALL BE USED IN GUARDRAIL SECTIONS.



REINFORCEMENT GEOGRID (620.65) FILL WITH GRANULAR BORROW MATERIAL FOR UNDERWATER BACKFILL (203.25), GRANULAR BORROW UP TO SUBGRADE ELEVATION. PAY FOR EXCAVATION UNDER COMMON EXCAVATION (203.20). PAY LIMITS FOR EXCAVATION DEFINED BY LIMITS OF GRANULAR BORROW.

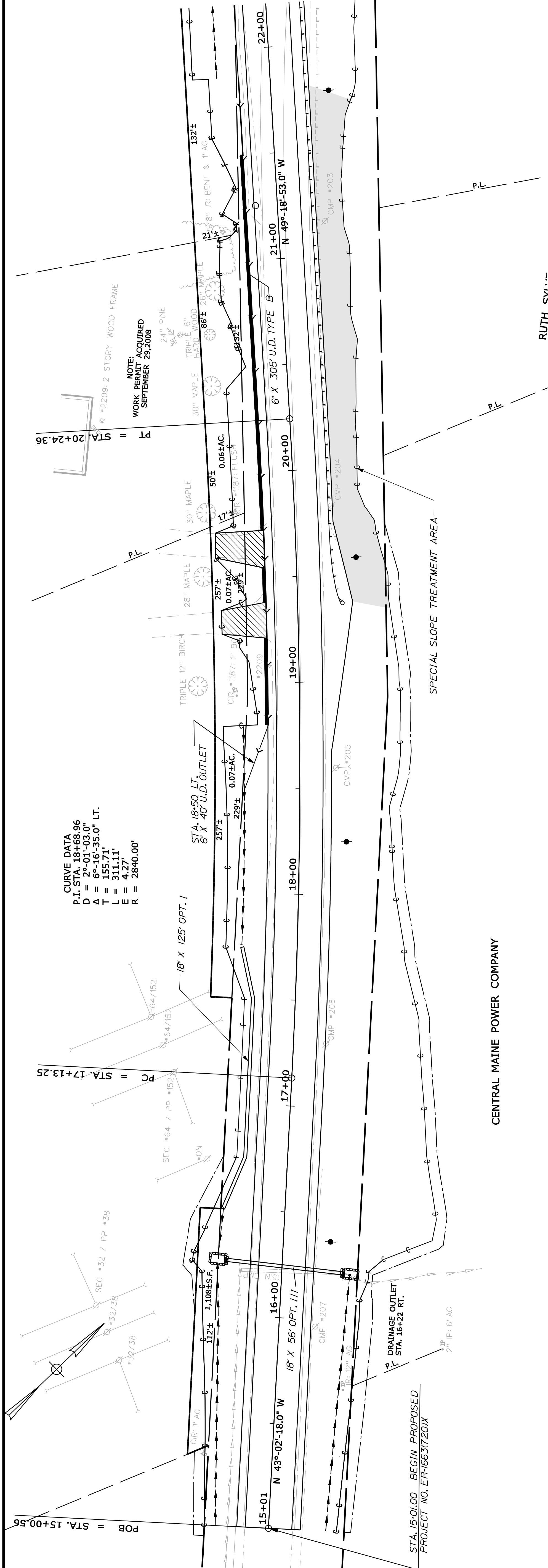
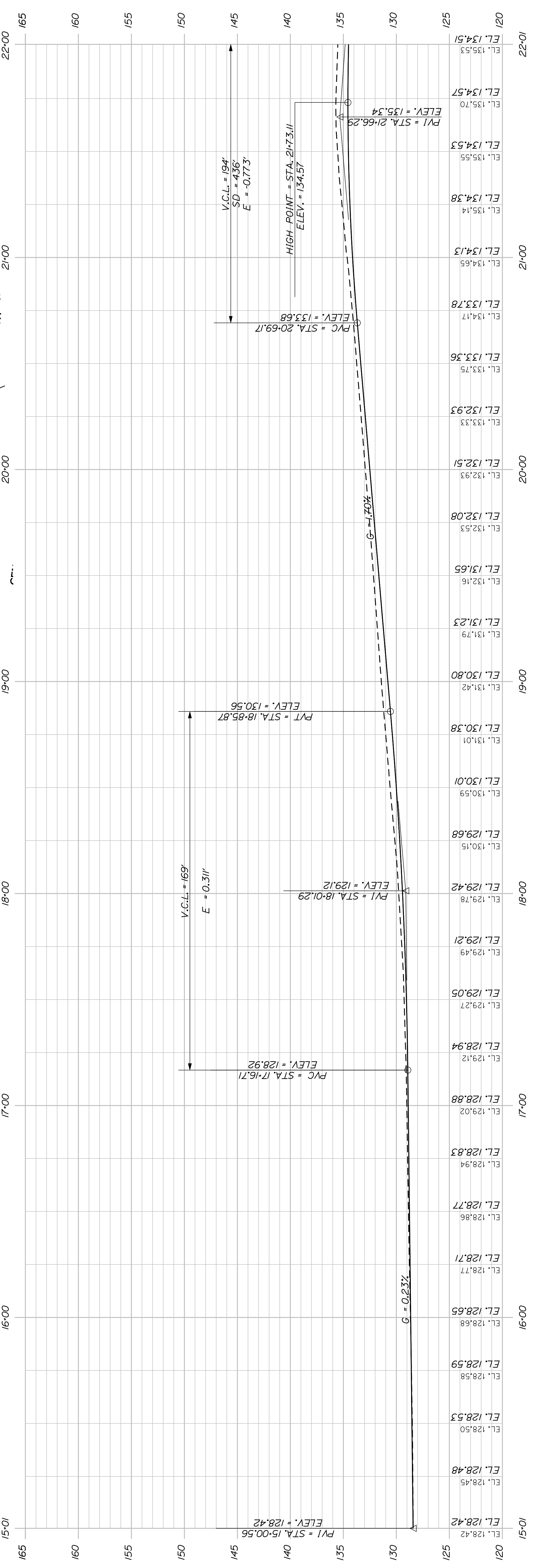
REINFORCEMENT GEOGRID INSTALLATION
STA. 19+75 TO STA. 21+80 RT.

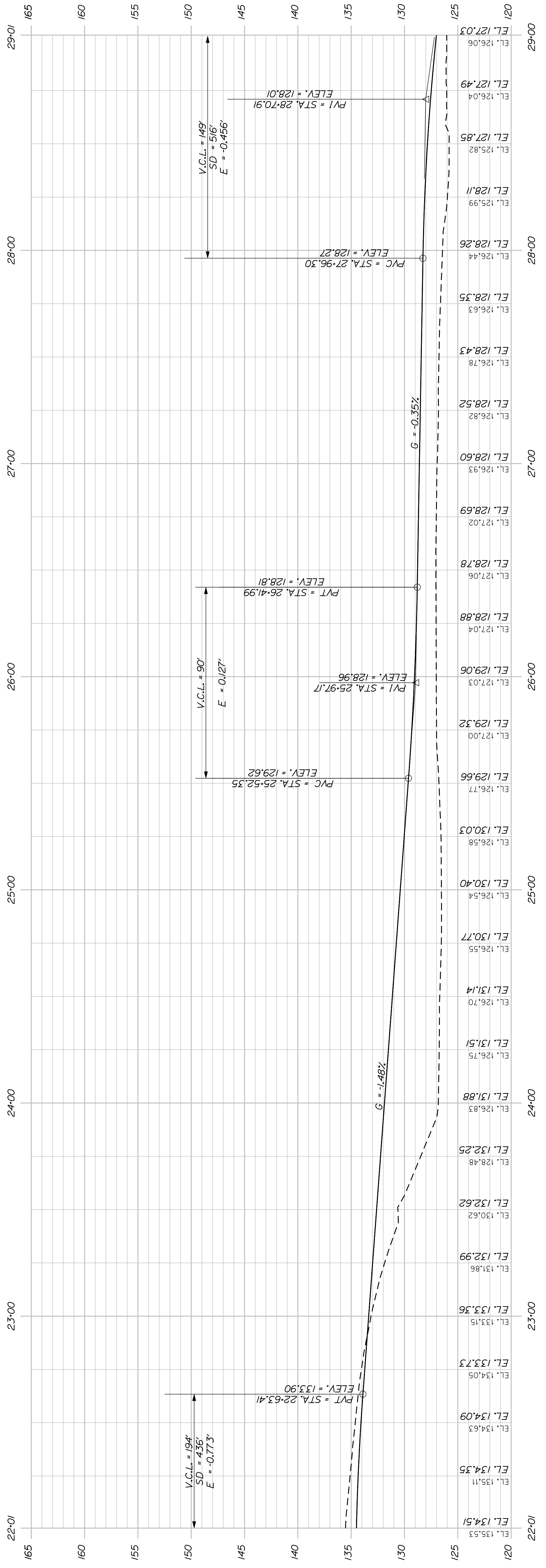
CROSS CULVERT IN FROST SUSCEPTIBLE SOILS



PROJ. MANAGER	J. TWEDDE	DATE	
CHECKED-REVIEWED	B. KITTREDGE	DATE	JULY 2009
DESIGN-DETAILS		SIGNATURE	
DESIGNS-DETAILED		P.E. NUMBER	8-21-09
REVISIONS 1	JDF	DATE	
REVISIONS 2			
REVISIONS 3			
REVISIONS 4			
FIELD CHANGES			

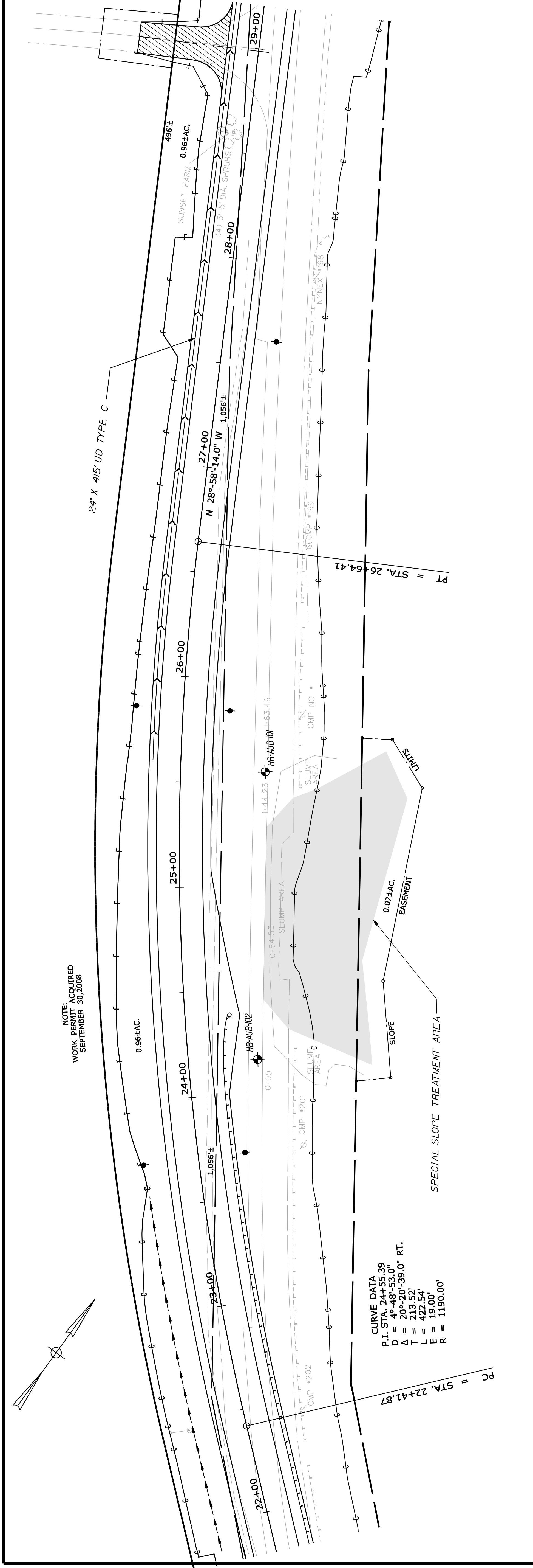
STATE OF MAINE DEPARTMENT OF TRANSPORTATION	16637.20
PIN	16637.20
HIGHWAY PLANS	





PROJ. MANAGER	J. TWEDDE	DATE	JULY 2009
CHECKED-REVIEWED	B. KITTREDGE	SIGNATURE	
DESIGN-DETAILED	J.H.	P.E. NUMBER	8-21-09
DESIGN-DETAILED		DATE	
REVISIONS 1	JDF		
REVISIONS 2			
REVISIONS 3			
REVISIONS 4			
FIELD CHANGES			

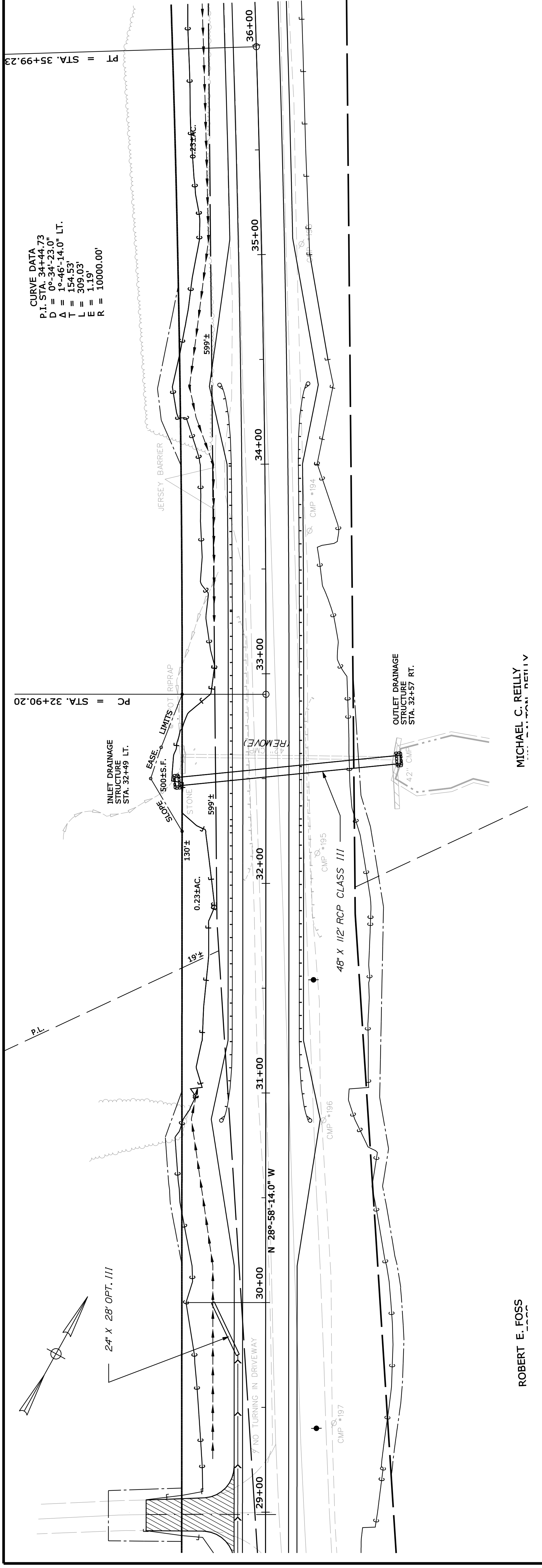
STATE OF MAINE	DEPARTMENT OF TRANSPORTATION
16637.20	16637.20
PIN	16637.20
HIGHWAY PLANS	



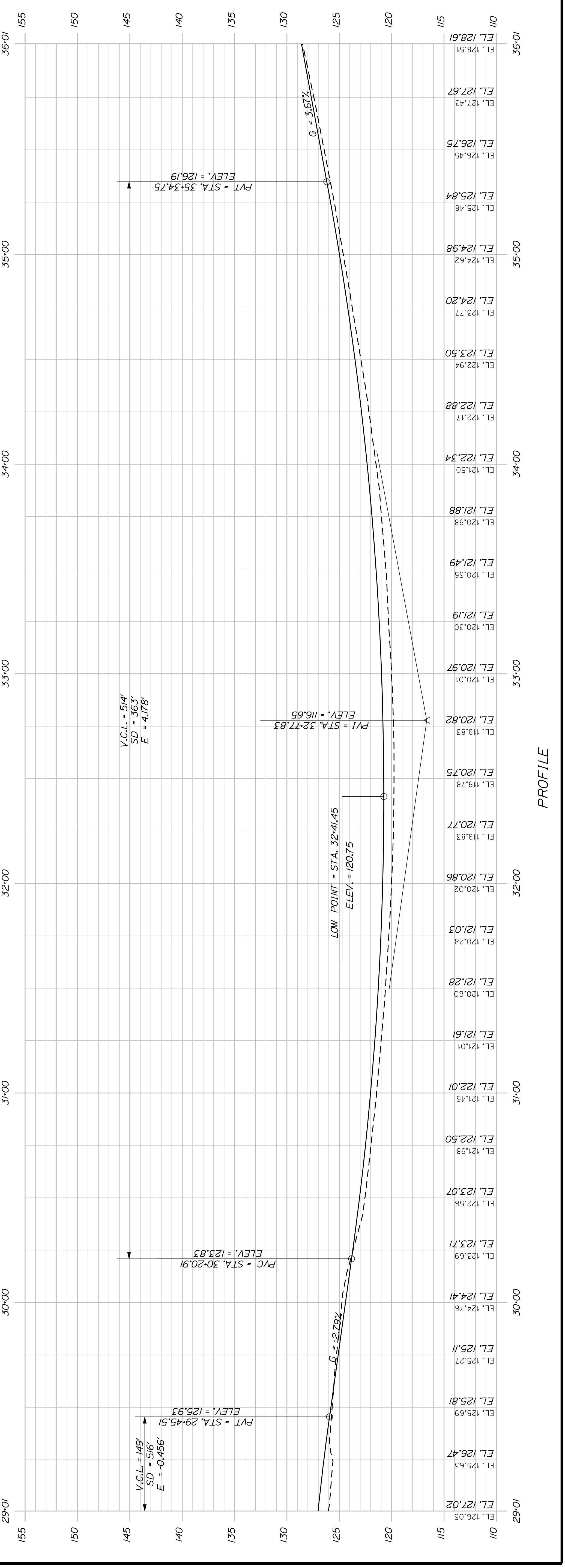
CURVE DATA
 P.I. STA. 24+55.39
 D = 4°-48'-53.0" RT.
 A = 20°-20'-39.0" RT.
 T = 213.52'
 E = 422.54'
 R = 19.00'
 R = 1190.00'

NOTE:
 WORK PERMIT ACQUIRED
 SEPTEMBER 30, 2008

PROJ. MANAGER	J. WEDDE	DATE	
CHECKED-REVIEWED	B. KITTREDGE	BY	
DESIGN-DETAILED	J.H.	DATE	JULY 2009
DESIGNS-DETAILED			
REVISIONS 1	JDF	P.R. NUMBER	8-21-09
REVISIONS 2			
REVISIONS 3			
REVISIONS 4			
FIELD CHANGES			



CURVE DATA
P.I. STA. 34+44.73
D = 0°-34'-23.0" LT.
A = 1°-46'-14.0" LT.
T = 154.53'
L = 309.03'
E = 1.19'
R = 10000.00'

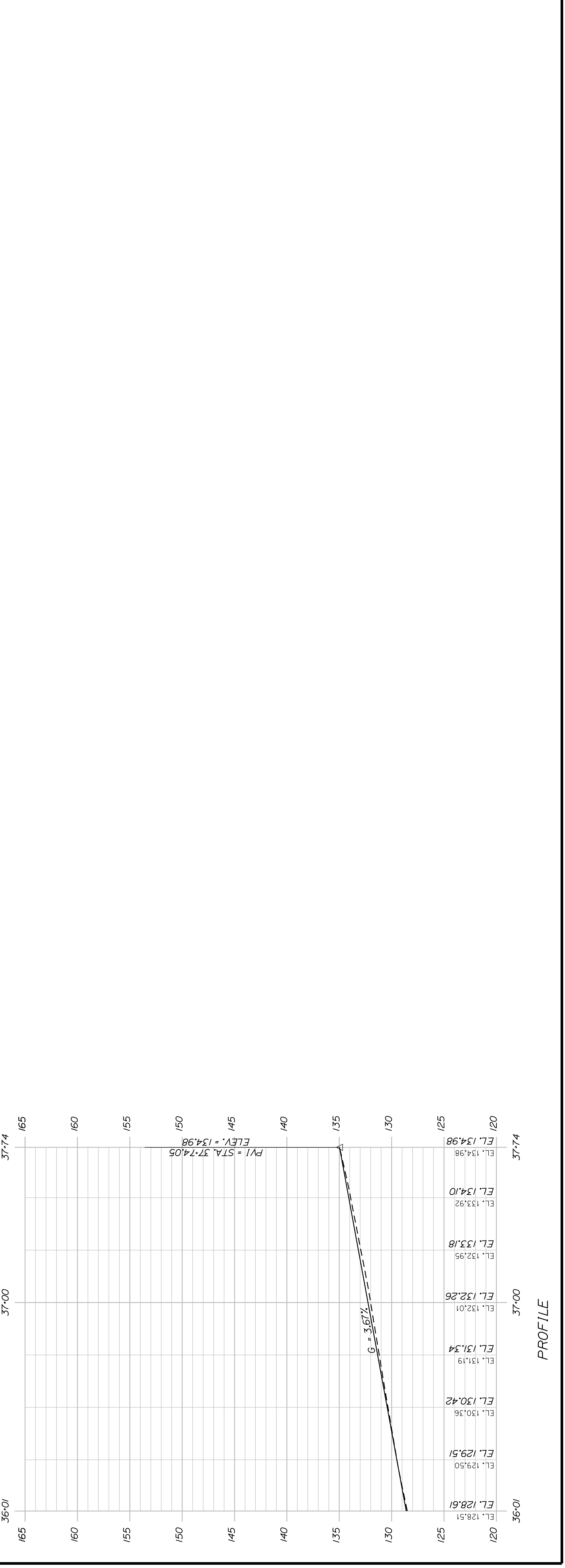
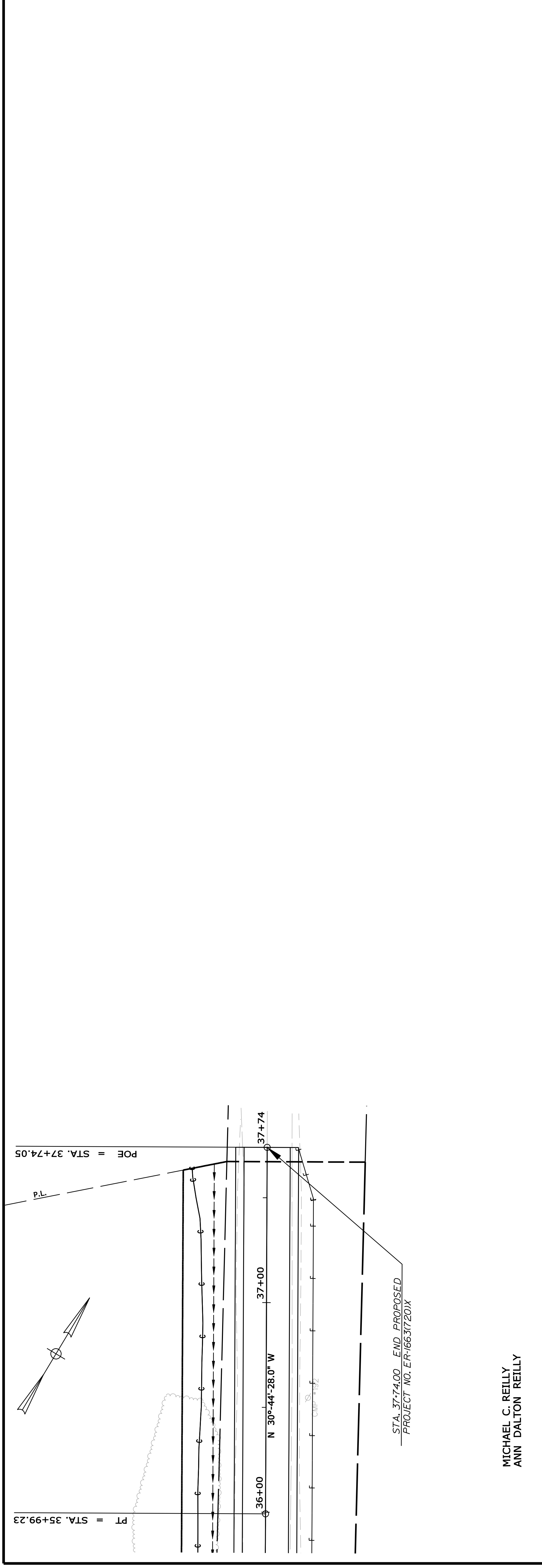


MICHAEL C. REILLY

ROBERT E. FOSS

PROFILE

PROJ. MANAGER	J. TWEDDE	BY	DATE
DESIGN-DETAILER	B. KITTREDGE	J.H.	JULY 2009
CHECKED-REVIEWER			
DESIGN-DETAILER			
DESIGN-DETAILER			
DESIGN-DETAILER			
REVISIONS 1	JDF		8-21-09
REVISIONS 2			
REVISIONS 3			
REVISIONS 4			
FIELD CHANGES			



MICHAEL C. REILLY
ANN DALTON REILLY

STA. 37+74.00 END PROPOSED
PROJECT NO. ER-1663(720)X

PROFILE