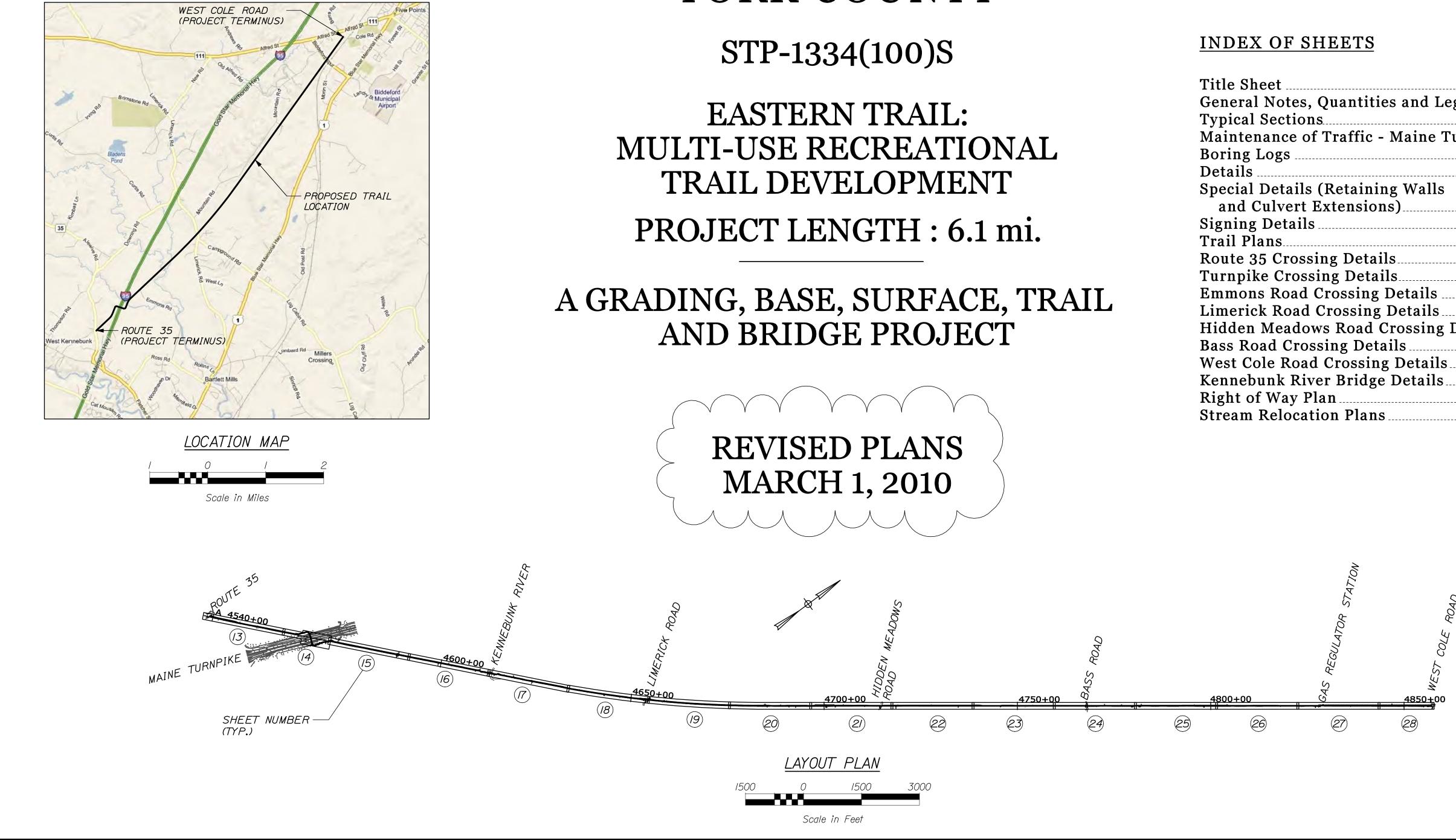
STATE OF MAINE DEPARTMENT OF TRANSPORTATION

KENNEBUNK, ARUNDEL, AND BIDDEFORD YORK COUNTY





Title Sheet	
General Notes, Quantities and Legend	
Typical Sections	
Maintenance of Traffic - Maine Turnpike	4-7
Boring Logs	
Details	10-11
Special Details (Retaining Walls	
and Culvert Extensions)	11a-11d
Signing Details	
Trail Plans	
Route 35 Crossing Details	
Turnpike Crossing Details	
Emmons Road Crossing Details	50a
Limerick Road Crossing Details	51-56
Hidden Meadows Road Crossing Details	
Bass Road Crossing Details	
West Cole Road Crossing Details	
Kennebunk River Bridge Details	
Right of Way Plan	
Stream Relocation Plans	

STATE OF MAINE		DEPARTMENT OF TRANSPORTATION			COMMISSIONER:		CHIEF ENGINEER:
		SIGNATURE		P.E. NUMBER		DATE	
PROJECT INFORMATION	PROGRAM MUL TIMODAL	PROJECT MANAGER JOEL KITTREDGE	DESIGNER HNTB	CONSULTANT HNTB	PROJECT RESIDENT	CONTRACTOR	PROJECT COMPLETION DATE
	LADILKN IKAIL	KENNFRINK TO RIDDFFORD					
S		E E	1		ME	BEI	٦

GENERAL NOTES

I. THE MULTI-USE TRAIL IS INTENDED TO BE BUILT ON TOP OF THE EXISTING RAILROAD EMBANKMENT. HORIZONTAL TRAIL ALIGNMENT IS APPROXIMATE AND MAY BE ADJUSTED IN THE FIELD TO FIT OVER CULVERTS AND BETWEEN LEDGE CUTS AND TO REDUCE CLEARING AND EARTHWORK REQUIREMENTS. ALL ADJUSTMENTS SHALL BE COORDINATED AND APPROVED BY THE RESIDENT IN ADVANCE OF THE WORK.

2. ALL WORK TO BE DONE UNDER THIS CONTRACT SHALL BE GOVERNED BY THE "STATE OF MAINE DEPARTMENT OF TRANSPORTATION STANDARD SPECIFICATIONS", REVISION OF DECEMBER 2002, UPDATED AUGUST 2008 AND "STATE OF MAINE DEPARTMENT OF TRANSPORTATION STANDARD DETAILS", REVISION OF DECEMBER 2002, UPDATED FEBRUARY 2009, EXCEPT AS MODIFIED BY THE CONTRACT DOCUMENTS.

3. ALL TREES, BRUSH, VEGETATION, STUMPS, AND OTHER ITEMS SHALL BE REMOVED FROM THE AREA. ALL DEBRIS SHALL BE REMOVED AND DISPOSED OF IN ACCORDANCE WITH STATE AND LOCAL REGULATIONS AND CODES.

4. ITEM 203.20 SHALL INCLUDE THE REMOVAL OF EXISTING VEGETATION, TOPSOIL, ROAD SURFACE, MUCK AND OTHER MATERIALS ENCOUNTERED. MUCK SHALL BE EXCAVATED TO THE DEPTHS SHOWN ON THE PLANS AND DISPOSED AS DIRECTED BY THE RESIDENT.

5. INFORMATION REGARDING THE LOCATION OF EXISTING UTILITIES HAS BEEN BASED UPON AVAILABLE INFORMATION AND MAY BE INCOMPLETE, AND WHERE SHOWN SHOULD BE CONSIDERED APPROXIMATE. THE LOCATION OF ALL EXISTING UTILITIES SHOULD BE CONFIRMED PRIOR TO BEGINNING CONSTRUCTION. PRIOR TO ANY DIGGING CONTRACTOR SHALL CONTACT "DIG SAFE" AT I-800-344-7233 TO DETERMINE LOCATIONS OF EXISTING UNDERGROUND UTILITIES. ALL UTILITY LOCATIONS THAT DO NOT MATCH THE VERTICAL OR HORIZONTAL CONTROL SHOWN ON THE PLANS SHALL IMMEDIATELY BE BROUGHT TO THE ATTENTION OF THE ENGINEER FOR RESOLUTION.

6. GRANITE STATE GAS TRANSMISSION CO. MAINTAINS AND OPERATES A HIGH PRESSURE NATURAL GAS TRANSMISSION LINE ALONG THE FULL LENGTH OF THE PROPOSED TRAIL CORRIDOR. THE CONTRACTOR IS ADVISED THAT THE RESTRICTIONS OUTLINED IN SPECIAL PROVISION 104 WILL APPLY TO ALL WORK COMPLETED WITHIN THE TRANSMISSION CORRIDOR.

7. ALL UTILITY FACILITIES SHALL BE ADJUSTED BY THE RESPECTIVE UTILITIES UNLESS OTHERWISE NOTED. COORDINATION SHALL BE BY THE DEPARTMENT.

8. THE UTILITIES INVOLVED IN THIS CONTRACT ARE AS FOLLOWS: KENNEBUNK SEWER DISTRICT CITY OF BIDDEFORD KENNEBUNK LIGHT AND POWER DISTRICT CENTRAL MAINE POWER COMPANY KENNEBUNK, KENNEBUNKPORT, AND WELLS WATER DISTRICT VERIZON\FAIRPOINT COMMUNICATIONS GRANITE STATE GAS TRANSMISSION CO. NORTHERN UTILITIES

9. UNLESS DIRECTED BY THE RESIDENT, ALL DISTURBED AREAS SHALL RECEIVE A MINIMUM OF 2" LOAM AND BE SEEDED WITH METHOD #1. MULCH SHALL BE APPLIED IN AREAS SEEDED.

IO. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ALL CONSTRUCTION LAYOUT AND STAGING.

II. PLACE A 2 FT WIDE STRIP OF TEMPORARY EROSION CONTROL BLANKET ALONG THE TOP OF ALL RIPRAP SLOPES.

12. DO NOT EXCAVATE FOR AGGREGATE SUBBASE COURSE WHERE EXISTING MATERIAL IS SUITABLE AS DETERMINED BY THE ENGINEER.

13. BASED ON THE SCOPE OF WORK AND CURRENT CONDITION OF THE PROJECT PROPERTY. NO PETROLEUM OR HAZARDOUS WASTE IS EXPECTED TO BE ENCOUNTERED. HOWEVER, DURING THE DURATION OF THE PROJECT, THE CONTRACTOR IS RESPONSIBLE FOR THE PROPER DISPOSAL OF ANY RAILROAD TIES ENCOUNTERED THAT CAN NOT BE REUSED ON SITE. THE CONTRACTOR IS RESPONSIBLE TO HAVE THE UNUSED TIES DISPOSED OF AS DEMOLITION WASTE AT A LANDFILL APPROVED TO ACCEPT DEMOLITION WASTE/DEBRIS. IF THE CONTRACTOR ENCOUNTERS ANY OTHER POTENTIAL DEMOLITION DEBRIS AND IS NOT SURE OF HOW TO DISPOSE. THE CONTRACTOR SHALL NOTIFY THE RESIDENT. THE RESIDENT SHALL CONTACT THE HYDROGEOLOGIST IN MDOT'S ENVIRONMENTAL OFFICE AT 207-624-3/03 FOR CLARIFICATION. THE CONTRACTOR SHALL ALSO REMAIN ALERT FOR EVIDENCE OF PETROLEUM AND HAZARDOUS WASTE/MATERIALS CONTAMINATION. IN PARTICULAR ANY EVIDENCE OF COAL ASH. IF THE CONTRACTOR ENCOUNTERS EVIDENCE OF SOIL OR GROUNDWATER CONTAMINATION, THE CONTRACTOR SHALL SECURE THE EXCAVATION, STOP WORK IN THE CONTAMINATED AREA, AND IMMEDIATELY NOTIFY THE RESIDENT. THE RESIDENT SHALL CONTACT THE HYDROGEOLOGIST IN MAINEDOT'S ENVIRONMENTAL OFFICE AT 207-624-3100 AND THE MAINE DEPARTMENT OF ENVIRONMENTAL PROTECTION AT 800-482-0777. WORK MAY ONLY CONTINUE WITH AUTHORIZATION FROM THE RESIDENT.

14. BOLLARDS AND POSTS FOR SIGNS, TIMBER GUARDRAIL AND CEDAR RAIL FENCE MUST BE A MINIMUM OF I FOOT FROM GAS LINE. IF WITHIN 3 FEET OF GAS LINE, THE CONTRACTOR SHALL COORDINATE THEIR INSTALLATION WITH THE GAS COMPANY*S REPRESENTATIVE.

15. CONTRACTOR SHALL INSTALL TWO TRAIL KIOSKS AT LOCATIONS DETERMINED BY THE RESIDENT.

I6. CLEARING SHALL BE MINIM CLEARING SHALL BE 5' FROM

I7. WHERE PROPERTY LINE BEARINGS AND DISTANCES ARE NOT SHOWN, RIGHT-OF-WAY INFORMATION HAS BEEN APPROXIMATED BASED ON AVAILABLE RAILROAD VALUATION PLANS.

IS. FOR EASEMENT DESCRIPTIONS REFER TO RIGHT OF WAY MAP.

19. THE LOCATION AND EXTENT OF CEDAR RAIL FENCE IS SHOWN FOR ESTIMATING PURPOSES. THE FINAL LOCATION AND QUANTITY OF FENCING SHALL BE DETERMINED BY THE RESIDENT.

20. BOULDERS SHALL BE PLACED AT INTERSECTING PATHS TO PREVENT VEHICULAR ACCESS TO EASTERN TRAIL. LOCATIONS SHALL BE AS SHOWN ON PLANS OR AS DIRECTED BY THE RESIDENT.

21. REMOVAL AND DISPOSAL OF GATES AND FENCE SHALL BE INCIDENTAL TO SECTION 607.

22. REMOVAL AND DISPOSAL OF CULVERTS SHOWN ON THE PLANS SHALL BE INCIDENTAL TO SECTION 603. NO EXISTING DRAINAGE SHALL BE ABANDONED, REMOVED, OR PLUGGED WITHOUT PRIOR APPROVAL OF THE RESIDENT.

23. BOLLARDS, CEDAR RAIL FENCE, AND TIMBER GUARDRAIL SHALL BE INSTALLED AT LEAST 10 FEET FROM THE EDGE OF ROADWAY.

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

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

26. INLETS AND OUTLETS OF ALL PROPOSED CULVERTS SHALL BE RIPRAPPED IN ACCORDANCE WITH MAINE STANDARD DETAILS UNLESS OTHERWISE NOTED ON THE PLANS OR DIRECTED BY THE RESIDENT.

27. ANY DAMAGE TO THE SLOPES CAUSED BY THE CONTRACTOR'S EQUIPMENT, PERSONNEL, OR OPERATION SHALL BE REPAIRED AT THE CONTRACTORS EXPENSE TO THE SATISFACTION OF THE RESIDENT.

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

29. *UNDETERMINED LOCATIONS* SHALL BE DETERMINED BY THE RESIDENT.

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

31. SUBSURFACE SOILS INFO BY SEBAGO TECHNICS:

> "REPORT ON SUBSURFACE AND FOUNDATION INVESTIGATION: PROPOSED EASTERN TRAIL, KENNEBUNK RIVER, ROUTE 35 AND LIMERICK ROAD CROSSING KENNEBUNK AND ARUNDEL, MAINE"

"REPORT ON SUBSURFACE AND FOUNDATION INVESTIGATION: PROPOSED EASTERN TRAIL MAINE TURNPIKE CROSSING KENNEBUNK, MAINE"

32. SURVEY TIE POINTS ARE 59 (WEST COLE ROAD).

33. PROPOSED LOCATIONS FOR EROSION AND SEDIMENTATION CONTROL DEVICES HAVE BEEN DEVELOPED FOR PORTIONS OF THE TRAIL LOCATED WITHIN THE KENNEBUNK TOWN LIMITS AS A REQUIREMENT OF SITE PLAN APPROVAL. THE CONTRACTOR SHALL REVIEW AND MODIFY THE LOCATIONS OF THESE DEVICES AS NEEDS WARRANT. THE CONTRACTOR SHALL DEVELOP AND IMPLEMENT EROSION AND SEDIMENTATION CONTROL DEVICES FOR THE REMAINDER OF THE CORRIDOR IN ACCORDANCE WITH MAINE DEPARTMENT OF ENVIRONMENTAL BEST MANAGEMENT PRACTICES AND SHEET 12 OF THIS PLAN SET. PAYMENT FOR DEVELOPING, INSTALLING, AND MAINTAINING EROSION AND SEDIMENTATION CONTROL DEVICES SHALL BE PAID UNDER ITEM 656.75 "TEMPORARY SOIL EROSION AND WATER POLLUTION CONTROL".

34. AT THE EXISTING PRECOURT STREET OVERPASS THE CONTRACTOR SHALL INSTALL A BRIDGE DRAIN EXTENSION TO DIVERT BRIDGE RUNOFF AWAY FROM THE TRAIL SURFACE IN ACCORDANCE WITH SPECIAL PROVISION 502.

35. WHERE TYPICAL SECTION CALL-OUTS ARE DESIGNATED ON THE TRAIL PLANS THE LIMITS SHALL BE CONSIDERED APPROXIMATE. THE LIMIT AND TYPE OF TYPICAL SECTION TO BE USED MAY BE CHANGED BASED ON EXISTING CONDITIONS AS DIRECTED BY THE RESIDENT.

36. THE CONTRACTOR MAY UTILIZE EMBANKMENT SURCHARGE MATERIAL FOR CONSTRUCTION OF THE TRAIL BETWEEN ROUTE 35 AND THE TURNPIKE ONCE THE SURCHARGE PERIOD IS COMPLETE. IF ELECTED, THE CONTRACTOR SHALL USE SURCHARGE MATERIALS APPROPRIATE FOR TRAIL CONSTRUCTION. WHERE SURCHARGE MATERIAL WILL NOT BE USED FOR TRAIL CONSTRUCTION COMMON BORROW MAY BE USED.

37. CONTRACTOR SHALL NOTE THAT RESERVE LIMITS HAVE BEEN PLACED ON THE FOLLOWING) LOCATIONS:

STA. 455/+40, LT., CULVERT EXTENSION STA. 460/+50, LT., CULVERT EXTENSION STA. 46/2+00 TO STA. 46/4+50, TRAIL CONSTRUCTION STA. 465/+00 TO STA. 4654+25, TRAIL CONSTRUCTION STA. 4707+50, LT., CULVERT EXTENSION

NO WORK SHALL OCCUR AT THESE LOCATIONS BEFORE MARCH I, 2010 OR UNTIL REVISED ENVIRONMENTAL PERMITS ARE RECEIVED, AS APPROVED BY THE RESIDENT. CONTRACTOR SHALL NOTE OTHER WORK RESTRICTIONS MAY EXIST AS NOTED IN THE SPECIFICATIONS (DATE RESTRICTIONS RELATING TO GAS COMPANY) OR AS NOTED IN THE ENVIRONMENTAL PERMITS (IN-STREAM WORK WINDOWS). COORDINATE ALL WORK WITH THE RESIDENT.

И	IZED.	НС	WEVER,	AT	SIGN	IFICANT	EMBANKMENT	SECTIONS	
1	TOE	0F	SLOPE,	EXC	CEPT	WHERE	OTHERWISE	NOTED.	

31. SUBSURFACE SOILS INFORMATION IS PROVIDED IN THE FOLLOWING REPORTS PREPARED

32. SURVEY TIE POINTS ARE PROVIDED ON SHEETS 29 (ROUTE 35), 51 (LIMERICK ROAD), AND

	ESTIMATED QUANTITIES		
ITEM NO.	DESCRIPTION	QTY	UNI
201.11		3	AC
201.12	SELECTIVE CLEARING AND THINNING	4	AC
202.12	REMOVING EXISTING STRUCTURAL CONCRETE	4	CY
203.20	COMMON EXCAVATION COMMON BORROW	4250	
205.24	STRUCTURAL EARTH EXCAVATION - MAJOR STRUCTURES, PLAN QUANTITY	30	C
200.082	PREFABRICATED VERTICAL DRAINS	87600	LF
304.09	AGGREGATE BASE COURSE - CRUSHED, TYPE B	11500	C
304.1	AGGREGATE SUBBASE COURSE - GRAVEL, TYPE D	2530	C
403.209	HOT MIX ASPHALT, 9.5mm NOMINAL MAXIMUM SIZE (SIDEWALKS, DRIVES, ISLANDS	18	ТО
403.210	HOT MIX ASPHALT, 9.5 mm NOMINAL MAXIMUM SIZE	88	TO
411.13	STONE DUST SURFACE COURSE	6600	TO
502.219	STRUCTURAL CONCRETE, ABUTMENTS AND RETAINING WALLS (21 CY)	1	LS
502.327	STRUCTURAL CONCRETE BOX CULVERT EXTENSION	1	LS
502.6	PORTLAND CEMENT MORTAR	10	CF
502.71	BRIDGE DRAIN EXTENSION	1	E
530.01	PREFABRICATED STEEL TRUSS BRIDGE, IN PLACE	1	LS
603.175	18 INCH RCP CLASS III	160	LF
603.179	18 INCH CULVERT PIPE OPTION III	24	LF
603.199	24 INCH CULVERT PIPE OPTION III	140	LF
603.219	36 INCH CULVERT PIPE OPTION III	8	LF
603.4105	CONCRETE PIPE COLLAR	2	EA
603.471	60" RCP CLASS V	112	LF
606.611	TIMBER GUARDRAIL	530	LF
607.163	CHAIN LINK FENCE - 4 FT - PVC COATED, BLACK	1050	LF
607.22	CEDAR RAIL FENCE	7250	LI
607.294	BARRIER BOULDERS	61	E
607.35	BRACING ASSEMBLY CHAIN LINK FENCE - PVC COATED	12	E
608.26	CURB RAMP DETECTABLE WARNING FIELD	210	S
610.08		640	C
610.21	RIVER STONES	40	C
610.212	STREAM STONE	10	C
613.319	EROSION CONTROL BLANKET	3970 2050	S' C
615.07 618.13	LOAM SEEDING METHOD NUMBER 1	340	UN
618.13	SPECIAL SEED MIX: WETLAND SEED	<u> </u>	UN
618.15	TEMPORARY SEEDING	84	UN
619.12	MULCH	340	UN
619.1401	EROSION CONTROL MIX	50	C
620.58	EROSION CONTROL GEOTEXTILE	1635	S
620.6	SEPARATION GEOTEXTILE	1400	S
621.037	EVERGREEN TREE (5'-6')	21	E
621.546	DECIDUOUS SHRUBS (2' – 3') GROUP A	700	E
621.8	ESTABLISHMENT PERIOD	1	L
627.75	WHITE OR YELLOW PAVEMENT AND CURB MARKING	1300	S
629.05	HAND LABOR, STRAIGHT TIME	120	Н
631.12	ALL-PURPOSE EXCAVATOR (INCLUDING OPERATOR)	50	Н
631.133	SKID-STEER (INCLUDING OPERATOR)	20	Н
631. 1 4	GRADER (INCLUDING OPERATOR)	20	H
631.171	TRUCK-SMALL (INCLUDING OPERATOR)	30	Н
631.18	CHAIN SAW RENTAL (INCLUDING OPERATOR)	10	Н
631.32	CULVERT CLEANER (INCLUDING OPERATORS)	20	Н
631.36	FOREMAN	40	Н
635.31	PREFABRICATED CONCRETE BLOCK GRAVITY WALL	2250	S
639.18	FIELD OFFICE, TYPE A	1	E
641.89	KIOSK	2	E
645.103		1	E
645.113	REINSTALL GUIDE SIGN	1	E
645.271	REGULATORY, WARNING, CONFIRMATION AND ROUTE ASSEMBLY SIGN, TYPE I	550	S
646.091	SETTLEMENT PLATFORMS	1	
652.33		140	E
652.34	CONE CONSTRUCTION SIGNS	20	E/
652.35	CONSTRUCTION SIGNS	780	1
652.361	MAINTENANCE OF TRAFFIC CONTROL DEVICES	1	
652.38	FLAGGERS	40	H
660 200	MAINTENANCE OF TRAFFIC CONTROL DEVICES (MAINE TURNPIKE AUTHORITY) TEMP. SOIL EROSION AND WATER POLLUTION CONTROL	1	LS
652.362			
656.75		1	1.0
	MOBILIZATION BOLLARDS	1 4	LS E/

* = UNDETERMINED LOCATION

<u>LEGEND</u>

EXISTING FEATURES

G F		GAS LINE
-(((((SEWER LINE
ORA	5	TREELINE
		EDGE OF PAVE
		EDGE OF STRE
] //] /,	EXPOSED LEDG
XX	X	ROW FENCE
		PROPERTY LINE
		ROW LINE
<u><u> </u></u>	<u></u>	WETLANDS
		DITCH LINE
		RIPRAP
	\ominus	UTILITY POLE
B-	5	BORING
	1	

2 THOMAS DRIVE WESTBROOK, ME 04092 (207) 774-5155

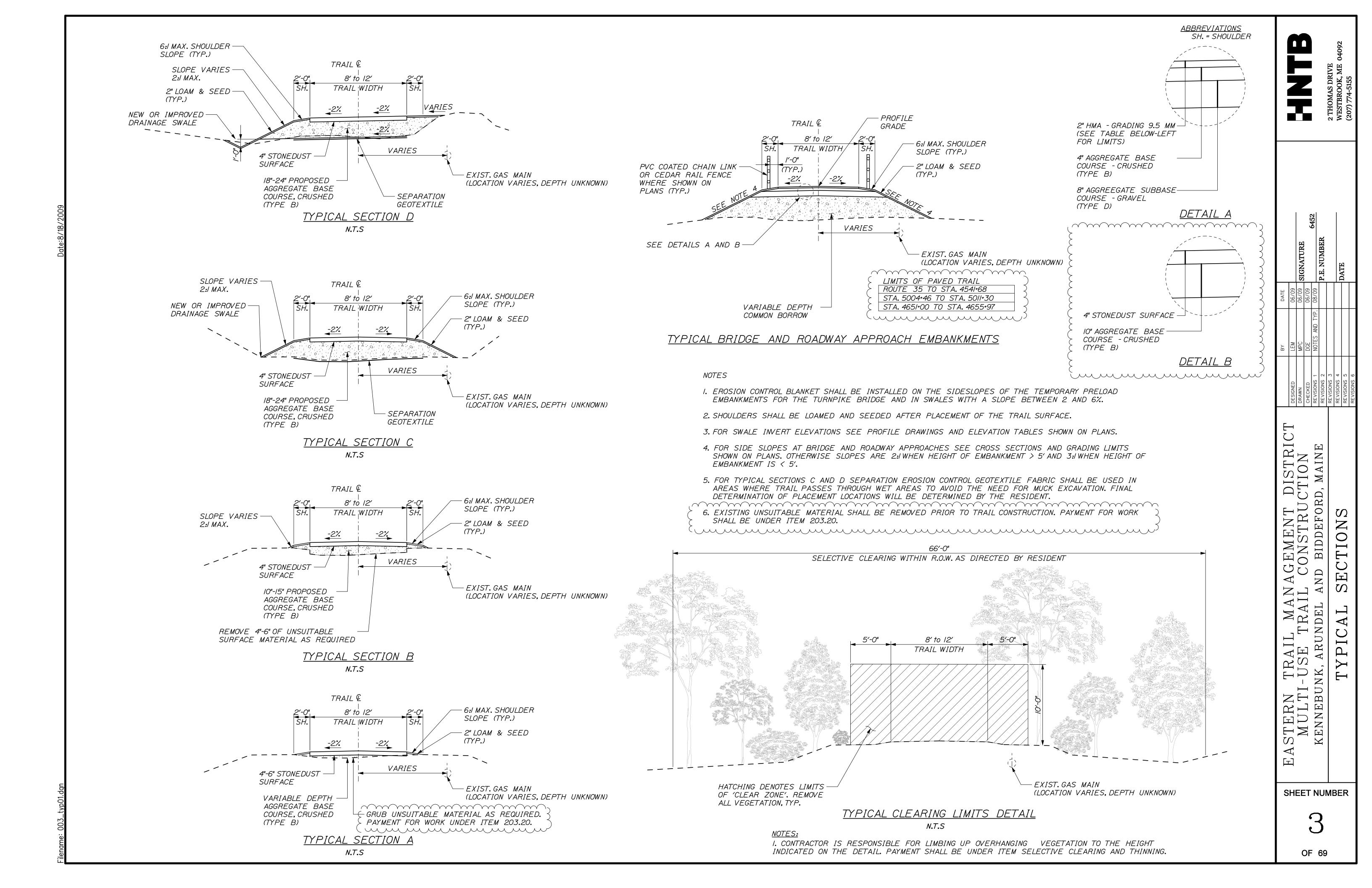
NUM P.E. 비휘망 · 문 | 우 照 팀 폰 [뜻] Z 되 Η EG STR. ON Z Г \triangleleft Σ CT Ω Ω E 0 \triangleleft ENJ Γ₋ 되 Ω Ω EMEONS D TIE BI СU Γ Ω \triangleleft Z Z ZЦ \triangleleft \triangleleft Ω Ē N N ð Ω H ЧЪ $\mathcal{O}_{\mathcal{O}}$ Ξ $\mathbf{\Sigma}$ 0 Z Z \Box ΖH Ш 되 Г \mathbb{Z} Z \mathbf{A} Z Ц $\vdash \Sigma$ 되 \mathcal{O} \mathbf{N} \triangleleft 되 되 ப SHEET NUMBER $\mathbf{\cap}$

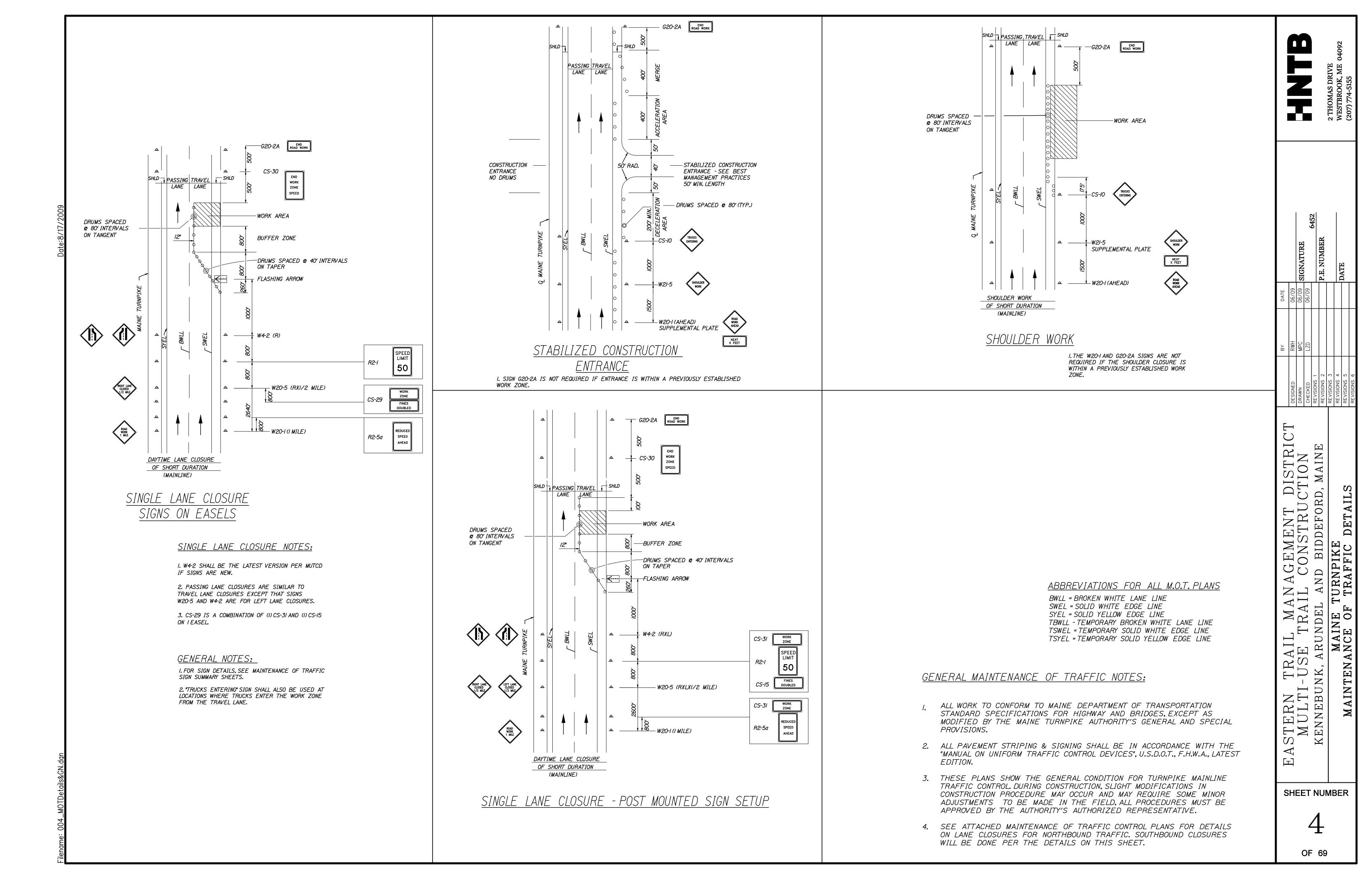
REVISED QUANTITIES - AS NOTED }

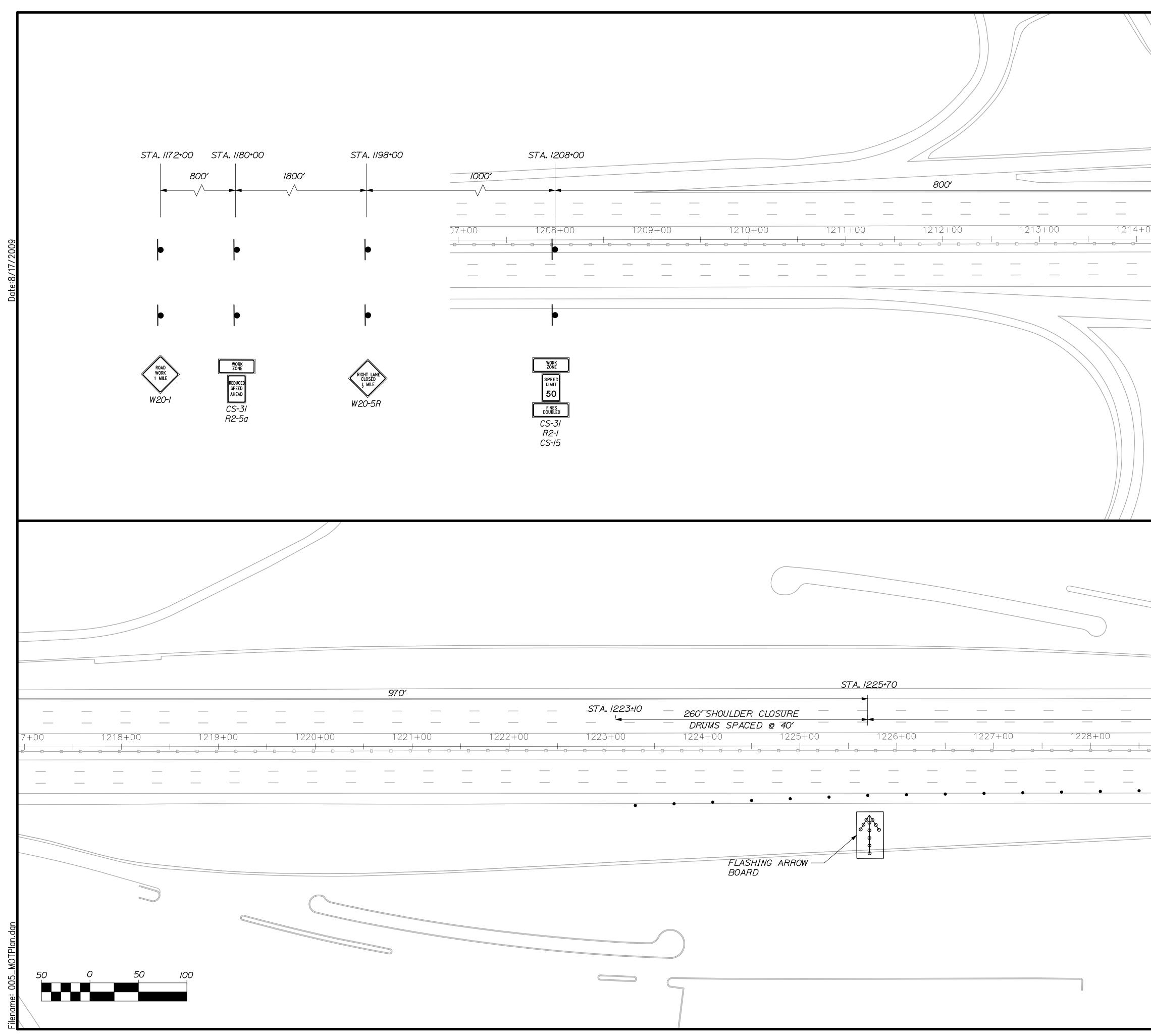
PROPOSED	FEATURES

	G	.		C	£	L
	F	-F		F	F	L
MENT			- S/F —		-	S
AM/WATER						
E						F
						F
	0	0		0	Ð	4
	o			•	Θ	(
		1			Ŧ	7
				00	2	E
				_	-	S
				x)	S

DITCH LINE
LIMIT OF CUT SLOPE
LIMIT OF FILL SLOPE
SILT FENCE
OR SEDIMENT BARRIER
RIPRAP PIPE OUTLET
OR STONE DITCH PROTECTION
RIPRAP SLOPE PROTECTION
4' PVC COATED CHAIN LINK FENCE
CEDAR RAIL FENCE
TIMBER GUARDRAIL
BARRIER BOULDERS
SIGN
SIGN NUMBER - SEE SIGNING
DETAILS FOR DESCRIPTIONS

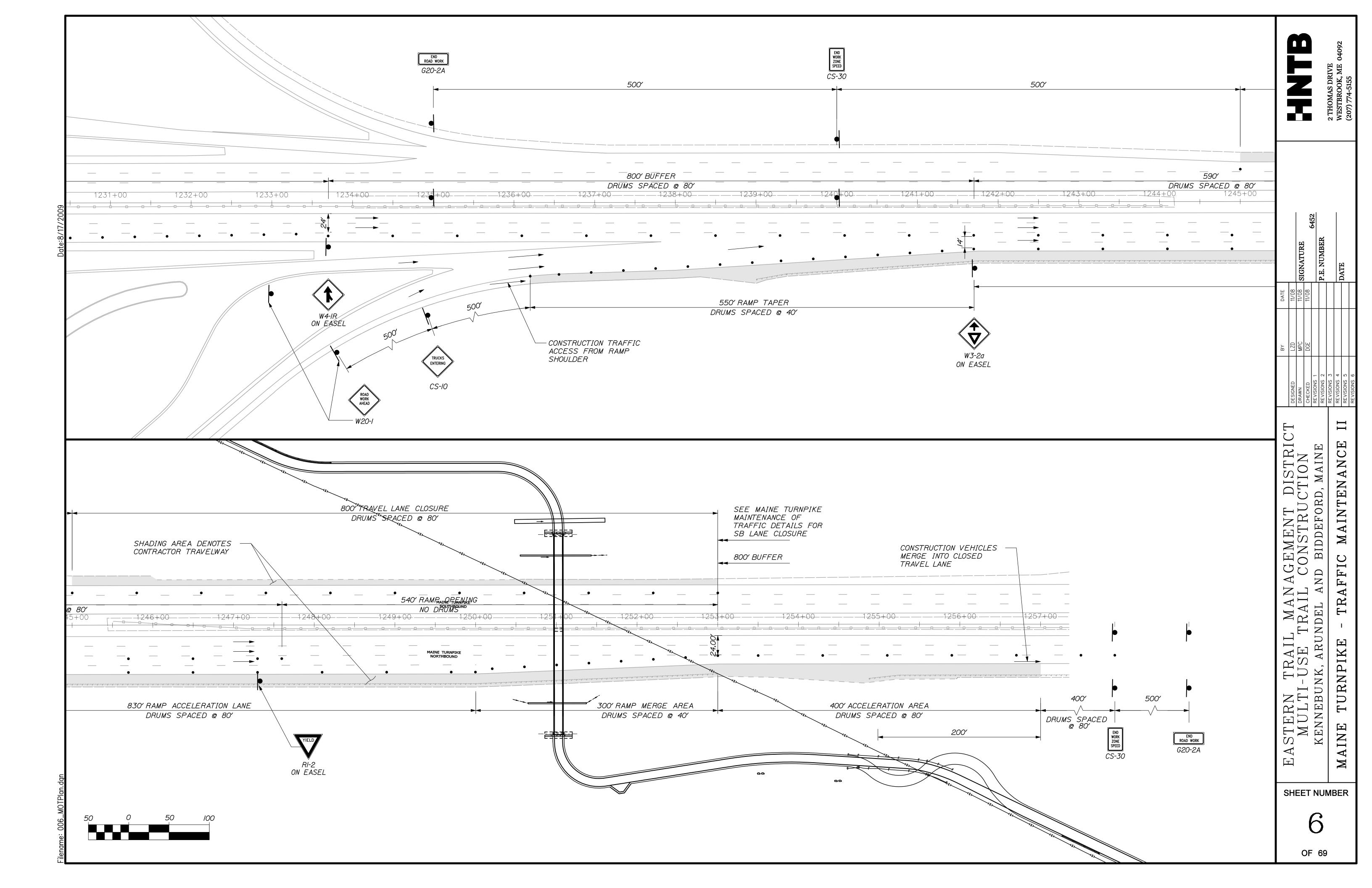






		STA. 1225+70			
	CLOSURE	1226+00 +	 1227+00	 1228+00	
 					1
	FLASHING ARROW — BOARD				

				4092
				2 THUMAS DRIVE WESTBROOK, ME 04092 (207) 774-5155
				2 THOMAS DRIVE WESTBROOK, ME (207) 774-5155
				VESTB WESTB (207) 7
STA. 1216+00				
0 1215+00 1216+00 1217+00				
		6452		
		ATURE	P.E. NUMBER	
		SIGNA'	P.E.]	DATE
	DATE 11/08	11/08		
W4-2R				
	BY LZD	MPC DGE		
	œ			
	VED	ΚED	ONS 1 ONS 2	ONS 5 ONS 5 ONS 5 ONS 6
	DESIGNED	DRAWN CHECKED	REVISIONS REVISIONS	RE VISIONS RE VISIONS RE VISIONS RE VISIONS
	Ē			П
	۶IC	FRAIL CONSTRUCTION	Э	田
		ΟΝ	AIN	A N (
	DIS	ΙL), M	ΕN
		UC	ORI	MAINTENANCE
	Z	ΤR	ЭЕF	IAI
	IM	NS	3IDI	
	E E E	CO	DE	TRAFFIC
	NA	Ц	ΑN	¢ΑF
BOO' TRAVEL LANE TAPER	MA	٤AI	KENNEBUNK, ARUNDEL	L L
			JND	
	A I	S E	ARI	TURNPIKE
• • • • • • • •	TRAI	D	ιK,	NP
		- T	BUN	UR
	L R I	MULT	NE]	
		\mathbf{M}^{I}	KΕΝ	[NE
	EASTERN		ł	MAINE
	I			
	SH	EET	NUN	IBER
		ľ	5	
		OF	69	



IDENTIFI-	SIZE OF SIGN			TEXT D	IMENSIONS	(INCHES)	NUMBER OF	COLO	OR	BORDER	AREA IN	
CATION NUMBER		HEIGHT	TEXT	LETTER HEIGHT	VERTICAL SPACING	ARROW RTE.MKR.	SIGNS REQUIRED	BACK- GROUND	LEGEND BORDER	RADIUS	SQUARE FEET	NOTES
CS-10	<i>48</i> "	48"	TRUCKS ENTERING	7" 7"	6"		/	ORANGE	BLACK		/6.00 (/6.00)	
CS-31 CS-15	48" 48"	24" 24"	WORK ZONE FINES DOUBLED	6" 6" 6" 6"	4.5" 4.5"		8 4	ORANGE WHITE			8.00 (64.00) 8.00 (32.00)	
CS-30	36"	<i>48</i> "	END WORK ZONE SPEED	6" 6" 6" 6"	4.5" 4.5" 4.5"		4	WHITE			/2.00 (48.00)	
<i>G20-2A</i>	48"	24"	END ROAD WORK	CONFC	DIMENSIONS RM TO "STA NAY SIGNS"	NDARD	4	ORANGE	BLACK		8.00 (32.00)	
RI-2	36" 36	6" 36"	YIELD				/		LL CONFORM RD HIGHWA - 2000		4.00 (4.00)	
R2-1	48"	60"	SPEED LIMIT 50				4				20.00 (80.00)	
R2-5a	48"	60"	REDUCED SPEED AHEAD				4				20.00 (80.00)	
W3-2a	48"	48"					/	ORANGE	BLACK		16.00 (16.00)	
W4-IR	48"	48"					/				16.00 (16.00)	
W4-2R	48"	48"					4				/6.00 (64.00)	

Date:8/17/2009

IDENTIFI-	SIZE O	F SIGN		TEXT D.	IMENSION	VS (INC)	HES)	NUMBER OF	COL	OR	BORDER	AREA IN	NOTEC
CATION NUMBER	WIDTH	HEIGHT	TEXT	LETTER HEIGHT	VERTIC. SPACIN		R <i>RO</i> W E.MKR.	SIGNS REQUIRED	BACK- GROUND	LEGEND BORDER	RADIUS	SQUARE FEET	NOTES
W2O-I (AHEAD) (I MILE)	48"	<i>48</i> "	ROAD WORK XXX	CONFO	DIMENSIO RM TO "S NAY SIGN	STANDA	RD	2 4	ORANGE	BLACK		6.00 (32.00) 6.00 (64.00)	
W20-5R (I/2 MILE)	48"	<i>48</i> "	RIGHT LANE CLOSED XXX					4				/6.00 (64.00)	
W2I-5	48"	48"	SHOULDER WORK					4				/6.00 (64.00)	



2 THOMAS DRIVE WESTBROOK, ME 04092 (207) 774-5155

		I					1		
		06/09 SIGNATURE		7040	P.E. NUMBER			DALE	
DATE	60/90	06/00	06/00						
ВΥ	RWH	MPC	LZD						
	DESIGNED	DRAWN	CHECKED	REVISIONS 1	REVISIONS 2	REVISIONS 3	REVISIONS 4	REVISIONS 5	REVISIONS 6
NI V NI V C D VI D VI L		NOITTIATANOT IIVAT ASII-ITIIN	ONTRAID OOTANIT T	DIINDEI AND DIDDEFODD	VINUEL		TIDNDIZE CICN CILINA D	IMAINE IUNITIE - JUAN JUMMANI	
S	HI	EE	T Y		UI 1	M	3E	R	
		(DF		69)			

SEBAGO TECHNH	1				Т	EST	BORING REPOR	Т							NG 1 31	August and a state	*****
INC. PROJECT LOCATION CLIENT CONTRAC DRILLER	N.	MAINE TU HNTB COI	IBNPIKE CI Uporatio: St borine	*****				PF Fil D/	T JOB NO. ROJECT MGR, ELD REP, ATE STARTED ATE FINISHED	•	08428 K REC K REC 8/28/2 8/28/2	(KÉ) (KE) (X68		1		<u>>f</u>	3
Elevation Item	*****	Casing		ler Core Bi	arrel Rig Ma	econoceleterosciencies	iel Mobile B47		Hammer Type		ing Mi				ng Ac		
Type Inside Dian Hammer Wi	aight (lb.)	HSA 2.5	55 1.37 140		nt [] ۲۵ [] ۲۵ [] []	v G ck [Geopróbe Wini Air Track Roll	ar Bit	Doughnut [Automatic [Bentoi Polym None	61		and the second	fethc \$230.0		epin
Hammer Fa	Sampler Blows per 6 In.	Sample No. & Recovery (in.)	30 Sample Depth (ft.)	Well Diagram	Stratum Change (III.)	uscs Symbol		ntification & Desci NAME & SYMEOL. n	naximum particle side*.	Gra		San	% Fine	26 Filmers		. T	lest Approximation
- 0	1/12*	51	6.0		· · · · · · · · ·	SM	Loose gray brown silty SAND (SM), raps = 0.02 in d	ry, roots, piece of	3.	× *	20		2 ⁸ 30	3	3.5	<u>5</u>
	1/12*	1	2.6		2.6		wood in tip of spoon	OPSOIL-		,							
			11. AN 1. 11. 2. 3 1 2													and a second	
	2 6 5 5	. \$2	5.0	 	6.0	SP CL	Stiff, gray brown mottled lean CLA	NE DEPOSIT-				40				121	M
		24	<u></u>				Stiff, gray lean CLAY (CL), damp				1			100	N.	And a second s	ST.
	WOH WOH WOH	\$3 	10.0			ÇL.	Medium stiff, gray lear CLAY (CL	i wer, black streaks						109	numeron de la competencia de la competencia de la competencia de l		м
	RON	24	12.0							ar da ser an	A vikina (ipperson or energy) viewarzyw						n shalara an
	WOR	<u></u>	EV1				-MARI Field Varie 1 @ 16.0 teer, rorque =	NE DEPOSIT-	u v Solivst		general de la constance de la consta						
	WOR WOH WOH	24	35.0 17.0	waaraa Waa ahaya		Cì.	Medium stiff, gray lean CLAY (CL	where a new Arrest sector a			er formundetna for verstenn besegter regione		, pro destina de la companya de la c	100	N	M 2	M
					рт. 1.1. 0. 1.1.												
- 20	WOH WOH WOH WOH	85	20.0			CL	Soft, gray lean CLAY (CL), wes, bi	ack Streaks						100	<u>N</u> 1	4 3	м
				11 - 12 - 12 - 12 - - 	n an taitigt an said an an taitigt an taitigt an an an said												
- 25	WOR WOR	56	₽¥2 25.0			cù	Field Vane 2 72 26 0 feet, torque = Soft, gray lean CLAY (CL), wet, bl		* 300 psi					100	N		M
	WOR WOH	24	27.0														
30	· · · · ·						MARI	NE DEPOSIŢ-			e manademistry i stadi ja na mana se	an i wa nani in anna kana manina mata			an a		
	1	Water L	evel Data De	opth in feet	102		***************************************	/ell Diagram Riser Pipe			Sum	mary					******
Date 8/28/2008		Elapsied Time (hr.)	Bottom of Casing 16.6	Bottom of Hole 18.0	Water 3.8	O T U S	Open End Rod DED This Wall Tube Undisturbed Sample Split Spoon Sample	Screen Filter Sand Cottings Grout	Overburden (Linea Rock Odred (Linea Number of Sample	(1)	00000000 1000000 10000000			09.0 7 S	******		VI.100
8/28/2(K)8 Field 1	1300 Tests	Dilatancy	Caved R - Ra	ລາວ \$ - \$/ຍະ	4.2.	6	222	Concrete Bentonite Seal	BORING NO.	Linu			B1				******

SEBAGO TECHNIC INC.	S,				Т	EST	BORING RE	PORT				Pa	ge	BOR	ING B2), 3
PROJECT LOCATION CLIENT CONTRACT DRILLER	OR	MAINE TU HNTB COL MAINE TE T SCHAE	URNPIKE CI RPORATION ST BORING FER	******	KENNEBU	NK REST	AREA		STI JOB NO. PRÖJECT MGR. FIELD REP. DATE STARTED DATE FINISHED		08428 K REC K REC 8/27/2 8/28/2	CKEI CKEI 008	R				
Elevation	A-25-4	ft. Casing	Datum Samp	int Care B	Boring arrel Rig Ma	Location		1252+50, 98'	RT. Hammer Type	Date	ng Mi		.	Cas			once
Туре		HSA	Samp	Sec Sole B				Cal-Head	Safety [7]		Bentor						Depth
Inside Diame		2.5	1.37					Winch Roller Bit	Doughnut		Polym	ēt	HS.	VSPI	N/30	.0	100136/003000
Hammer Wei Hammer Fall	and the second second		140 30		Tra			Roller Bit Cutting Head	Drilling Notes: 2 in x 7		None Reld V	ane	J		*****	******	anantan kananan
	Sampler	Sample			Stratum					Gra	vel	San	d		f	ield	Test
Depth (ft.) B		No. & Recovery (in.)	Sample Depth (ff.)	Woll Diagram	Change (tt.)	USCS Symbol	(density/consistency of	Manual Identification & D bio, GROUP NAME & SYMB bisture, optional destriptions,	OL, maximum particle size*,	T& Charse	% Filme	% Medium	% Fare	% Pleners	Distancy	f oughterse	Flashely
0	1 2	St	8.0		1.0	ML		y SILT (ML), dry, roots -TOPSOIL-					40	60			
	4 8	18	2.0			SM	Loose, dark brown suik	s SAND(SM), mps = 0.02	in., demp			20	60	20	 		
		· · · · · · · · · · · · · · · · · · ·				1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1		-MARINE DEPOSIT-									
	2 3 3 3	52	5.0		5.5	SP-SM CL	gapte at the enters in the second in the enters at a do	ly-graded SAND with silr (LAY (CL), moist, occasion	* stored & 's break # at stored; is a passed of it stored.	• • •	••••	30	x = = v +	10 90		M	M.
· · · · · · ·				۵۰۰۰۰ ۱۰۰۰ میں ۱۹۹۰ - ۱۹۰۰ ۱۰۰۰ - ۱۹۰۰ - ۱۹۰۰ ۱۹۰۰ - ۱۹۰۰ - ۱۹۰۰ - ۱۹۰۰ ۱۹۰۰ -													
10	1/24 in.	.\$3	10.0			cı	Soft, gray lean CLAY (CL), wet, occasional black (ureaks					190	Ñ	м	M
	1) 24 Hit	24	12/0						, , , , , , , , , , , , , , , , , , ,		· · · · · · · · · · · · · · · · · · ·					· · · · · ·	
								+MARINE DEPOSIT-			AND A THINK OF THE ADDRESS OF THE ADDRES				۰ ۲۰۰۰ ۲۰		
	WOR WOR WOR		FV1 15.0		۱۰ - ۲۰ - ۲۰ - ۲۰ ۱۰ - ۲۰ - ۲۰ - ۲۰ ۱۰ - ۲۰ - ۲۰ - ۲۰ ۱۰ - ۲۰ - ۲۰ - ۲۰	, cl	Field Vane 1 @ 16.0 fee Soft, gray lean CLAY (f	<. torque = 7/0, Su = 260 2L), wet, black streaks	а станульных станов станования с таналариана М					100	N	M1	M
	WOH	2.4	17.0				(1) A set of the se	المی از مراقب این از این						1999 - 1999 1997 - 1996 1997 - 1997 1997 - 1997 1997 - 1997	and a second		
	WOR WOR WOR	\$5	20.0		n an	CL	Soli, gray lean CLAY ((TL), wei, black stresks	بالارمانية المراجع المراجع المحمد المحادث المراجع المحمد المحمول المراجع المحمد المحمد المحم المحمد المحمد					100	x	м	М
	WOH.	24	. 22.0	· · · · · · · · · · · · · · · · · · ·								Andrew Contraction and Andre					
	WOR WOR	56	FV2 25.0			CL.		t. torque = 9/3 foot pound Lo, wet, occasional black s						109	Z	M	M
	WOH	24. 	22,8					-MARINE DEPOSIT-									
					 	· · · · · · · ·				againe and the study of another to	Annalysis generation and			a de els segundes (en consecuto en segunde)		Advanture Constantine Corpora	
- 30							Constant of the second		· · · · · · · · · · · · · · · · · · ·						l	1	
Date	Time	Elapsed	evel Data Do Bottom of	opth in feet Bottom of		0	Sample ID Open End Rod	Well Diagram	Overburden (Linear f		Sumn	nary		97.0	******		
8/27/2008	1245	Time (hr.)	Casing 5.0	Hole .5,6	Water 2.6	T U S	Thin Wall Tube Undisturbed Sample Split Spoon Sample	Filter Sand Cattings Grout	Rock Cored (Linear I Number of Samples					9.S			
8/28/2008 Field T	ests	Dilatancy: Toughness		5.0 pid S+Slo	3.3 w N - Noo	Ģ	Geoprobe Plasticity:		BORING NO. + Low M - Medium H - I Aeduim H - High V - Vi				B2				

SEBAG TECHN	0 IICS.				Т	EST	BORING REPORT			-	******	
INC.		L		Yuunnaanaanaanaa					wining		90	•
Depth (fi.	Sampi) Blows p in.	NO.G	Sample Depth (It.)	Well Diagram	Stratum Change (fl.)	USCS Symbol	Visual-Manual Identification & Description (density/consistency, color: GROUP NAME & SYMBOL, maximum particle size* structure, odor, moisture, optional descriptions, geológic interpretatio	% Coarse o	% Fare	% Coarse	T	
- 30 -	WOR	- \$7	39.0			CL.	Seff, gray lean CLAY (CL), wer, black streaks					
	WOR	na na na tan	20.0	na a serie de la composition de la comp		· · · · · · · · · · · · · · · · · · ·	oor full dage eeu sterreet wij naar op op op een die eeu sterreet op op eeu sterreet op op op eeu sterreet op	,				
	WÓR WOR	2.4	32.0				-MARINE DEPOSIT-					
							Begin red probe using hydraulic push at 32.0 feet below ground surface					
	-				5							
- 35 -			6 · · ·		· · · · · · · · · · · · · · · · · · ·		an a				-	
						· · · · ·	an ana ang ang ang ang ang ang ang ang a	1			Sugard worked on	
				· · · · ·			· · · · · · · · · · · · · · · · · · ·				Alanda and a second	
							and a second			arnona sifera il cons	And a contract of the contract.	
			· · · · ·	· · · ·						and a second	descent of the second	
- 46 -					e de la composition de la comp		a de la menora de la composition de la La composition de la c				Construction of the state	
										-		
											- interest	
										a construction and		
		×					r a barra a ba Barra da barra barra a b					
45 -		10					n an				a to student where	
		1									A DESCRIPTION OF A DESC	
		an su					-MARINE DEPOSIT-				(And and a second second	
		a could be could be										
							(1) The second se Second second	r		, ,		
				· · · · · · · · · · · · · · ·		· · · · · · · · ·	a mana a secondar a mana andre a companya a A companya a			,	-	
50 -											Wannahood Colombulat	
				di storna por la							-	
					records which							
							(c) A set of the se					
				· ·								
										and the second descent		
- 55 -						-				and the second	and the lot of the lot	
		· · · · ·				-			, 			
						a subject to a set	(a) Second s second second s second second se second second se second second se second second s					
							Applies and a property of the second statement of t					
	Manager and Man					The second s						
- 60 m								1				
	-	-										
	ha a cuis cal a la supe											
	-	1 1 1 1 1 1 1 1										-
63 m	-						e and a second secon					
	And	and in age of the second second				and the second s		a manda di manta di				
	The second second	T P P P P P P P P P P P P P P P P P P P										
						An or a second second						
	An an interface			(-))			the second s					
. 76												
						1	1	1	1 1	1	_1	

SEBAGC						T	FST	BORING REPORT					BOR	ING B2	NO.	
TECHNI INC.	CS,					1	-01				Pa	ge	2		of	3
		la l	Sample	*****		B			Gra	ret	Sar				eld 1	
Depth (fL)	San Blows Ir	per 6	No. & Recovery (in.)	Sample Depth (ft.)	Weli Diagram	Stratum Change (ft.)	USCS Symbol	Visual-Manual Identification & Description (density-conisistency, color: GROUP NAME & SYMBOL, maximum particle size", structure, edor, moisture, optional descriptions, geologic interpretatio	% Coarse	% Fine	% Medeum	% Fane	% Fines	Diatarcy	1 oughiness	Plasticity
- 36 -	W	1	\$7	30.0			CL.	Soft, gray lean CLAY (CL), wet, black streaks							-	
	W3 W0 W0	RC	24	32.0				MARINE DEPOSIT								
a. A	54.4 					1	e teta peri	Begin rod probe using hydraulic push at 32.0 feet below ground surface								
							a a at						2			
35						1	0 - 1									
								· · · · · · · · · · · · · · · · · · ·								
na n				· · · · ·	· · · · · · ·	en a anti-ara	· · · · · ·	and a start of the second start					 	 		
							- 11 - 11 - 11 - 11 18 - 18	· · · · · · · · · · · · · · · · · · ·								
- 40						and a second										-
(and provide a state of the st					1 I I I I I I					· · · · ·						
anj jao da la dagana																
					· · · · · · · · ·	· · · · · · ·	, , , , , , , , , , , , , , , , , , ,									
				n an an ann an t-airtean an an an t-	the state of the s	····	n a shear	and a second		· . ~ .	ан 1. с. н		- 1949 174 - 9	244 1 - 204		•••
- 45		Adamateria Adamatica		n to denote to the set of the set	· · · · · · ·	P - 1		· · · · · · · · · · · · · · · · · · ·					· · · · ·			
				стория салония 1911 г. – Салония К.	·····	1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 -	- 2 - 2 - 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1				and the second			-		
				· ··· ·				-MARINE DEPOSIT-							-	
						an an An ann an Airte	, , , , , , , , , , , , , , , , , , ,	a na ana ana ana ana ana ana ana ana an					1 - 1 - 1 2 - 1 - 1 2 - 1 - 1 - 1	 25		
					an a	n freen freedom Nordeland	н н мар на н	a 1995 - Maria I. Maria I. Maria Maria Maria Maria Maria Maria Maria Managara na mana manana manana manana mana 1997 - Maria Maria Managara Maria Maria Maria Maria Managara Managara Managara Managara Managara Managara Manag			· · · · · · · · · · · · · · · · · · ·	· · · · ·	2000 2007 - 200			
- 50 mm						na na serie de la serie de La serie de la s	· · · · · · ·					and a second second		2 - N		

							e pa									
				·····				and a second								
				a pha a a bana i		1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1									-	
• 55 mi				,	· · · · · · · · · · · · · · · · · · ·			en e		-	-	and the second sec				
						·· · ·										
		· · ·		- 112 - 12 - 12 12 - 12 - 12 - 12 - 12 -		20	an an an A An an an A			-						
				· · · · · · · · · · · ·		1				-		ar found through the			A Company of Concession, Name	a nambur natura namu n
				ing and so				a de la companya de La companya de la comp								
- 60																-
				n - Angelan Angelania Angelania Angelania						(Angenia can and again), 'r						-
				ta kanalara katal Tanan sa katal	,	х. 					,					-
				· · · ·	Anna ann an Anna Anna Anna Anna Anna An					ii waxii waxiiyahama			oolaad, waxaa waxaa ƙaya aa			to an photograph
						ан 1911 - 1911 - 1911 - 1911 - 1911 - 1911 - 1911 - 1911 - 1911 - 1911 - 1911 - 1911 - 1911 - 1911 - 1911 - 1911 -					~ .		na n		the discontingeneration of the	-
- 65 mm										and days where where	-		orden tradicije anna		innado ay inclu quedecircà	'n Analogie orde Asen
										The contract Law	-		an (pinninganing			Second and particular second
		najaritister and									A MATERIA CONTRACTOR OF THE OWNER			ndjari i majarate		
					1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 -					-	n .			- Chanada and A		
- 70		1.			service and the					the province state	And the Association			NUMBER OF STREET, STREET, ST	No. No. Adv. Antis Lo v. M.	
IOTES:		¥ [FILE NO. 08428 BC	עומר יעומר	L s NO						-
IOTES:								FILE NO. 08428 BC	RING	S NO	,			B2		

- 30 -	SEBAGO TECHNI					т	EST	BORING REPORT					в	ori ^a B	ig n 1	0.	
Depart Mark Mark Mark Depart Mark D									G	zvol	1			3			
- 73 -	Depth (ft.)	Blows per 6	No. & Recovery			Change		(density/consistency, solar, GROUP NAME & SYMBOL, maximum particle size*,		T-	+	t	-	% Fanes		-	T
- 73 -	- 70 -																
- 73 -		a diska serena jima da			an a		· · · · · · · · · ·										and the second s
- 73 -											-						-
- 73 -		la constante da cons Constante da constante da constant			ee alaa	and a second second	·				i.						
- 73 -					at .	1		and a second									
- 10 - 10								-MARINE DEPOSIT-			- - 						
- 89 -										-					deres dagen and		
- 89 -													mennelindaria		-		
- 89 -							· · · ·						-				
6.2 Does not set 32 3or. Executived synthem runnae. 7 10 10 10 10 10 100 10 10 100 10 10 100 10 10 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100						n na hAra									dimensional contracts		
6.2 Does not set 32 3or. Executived synthem runnae. 7 10 10 10 10 10 100 10 10 100 10 10 100 10 10 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100													-	de de ser en de ser e			
42 Parket rol: 16: 2. Tex. Executines graphican traitings: 70 12 71 12 72 12 73 13 74 14 75 14 76 15 77 14 78 14 79 14 70 14 71 14 72 14 73 14 74 15 75 15 76 16 77 16 78 17 79 10 70 10 71 10 72 10 73 10 74 10 75 10 76 10 77 10 78 100 79 100 70 100 71 100 72 100 73 100 74 100													-				
5.2 Diver reds with 300-posed bounder: filling 14 refues: 17 19 18 19 19 14 19 14 19 14 19 14 19 14 19 14 19 14 19 14 10 14 10 14 11 14 12 14 14 14 15 14 16 14 16 15 17 14 18 14 19 14 10 15 110 100 110 100 110 100 110 100 110 100 110 100 110 100 110 100 110 100 110 100 110 100 110 100 110				: · · · ·		n n n h h		Pushed rods to \$2.2 feet. Encountered significant resistance.									
- 50 - 10 - 10				na an an an an a	· · · · · · · · · · ·	82.2											
- 55 - 19 15 15 16 17 18 19 19 10 10 10 10 10 10 10 10 10 10								an a	1					-	,		
10 10 12 <td< td=""><td></td><td></td><td>1.17</td><td>n na sanan a</td><td>·</td><td>· · · · · · · · · · · ·</td><td>·····</td><td></td><td>,</td><td></td><td></td><td></td><td></td><td>,</td><td></td><td></td><td></td></td<>			1.17	n na sanan a	·	· · · · · · · · · · · ·	·····		,					,			
10 12 12 12 12 12 13 13 16 14 12 12 15 13 16 16 12 12 17 13 13 18 17 16 18 17 16 19 120.0 Bases of forme ± 100 first blave grave nuface. 100 16 120.0 101 120.0 Bases of forme ± 100 first blave grave nuface. 100 100 120.0 120.0 101 120.0 Bases of forme ± 100 first blave grave nuface. 10 101 120.0 Bases of forme ± 100 first blave grave nuface. 10 101 120.0 0.422 Boens 0.0 10	- 85					· · · · · · · · · · ·											
- 60 -						· · · · · · · · · · · · · · · · · · ·		n an									
- 90 - 10							-	a a sua ana ana ana ana ana ana ana ana ana a				· · · ·					
90 19			· · · · ·				· · · · · · · · · · · ·										100 ¹¹ 1
100 101 101 101 102 101 101 101 102 101 103 101 104 101 105 101 105 101 106 101 107 101 108 102 109 102 100 102 101 102 102 102 103 102 104 102 105 102 105 102 105 102 105 102 105 102 105 102 105 102 105 102 105 102 105 Boreno / boring at 109.0 fets tabley ground surface. Ketual in Rod Probe. Place Phote: Maximum Particle Size is a setermined by direct observation within the imitations of sampler Size.					· · · · ·	· · · · · · · · · · · ·		INTERVISE ACTAL THE.									
23 16 16 12 17 23 17 16 16 16 16 16 16 16 16 16 16 16 17 16 18 17 19 15 17 19 18 17 19 190 19 190 19 190 10 250.0 KOTE: File NO. Paticle Size is determined by direct observation within the limitations of samplet size	90		· ·			· · · · · · · · · · ·				н		,					
16 12 12 13 21 14 23 17 24 17 17 16 16 16 16 16 16 16 16 16 17 16 18 16 19 15 17 19 18 100 19 100 101 250.0 NOTE: ElE NO. 06428 BORING NO. R1 NOTE: Maximum Particle Size is cetermined by direct Deservation within the Intuitions of sampler size.										 	, 	· · · · · · · · ·					
12 12 28 11 21 12 25 13 17 16 16 16 16 16 17 16 18 17 19 19 32 190 33 100 19 10 32 100 101 250.0 FILE No. FILE No. NOTE: Maximum Particle Size is determined by direct observation within the limitations of sampler size.						а алана 1919 г. – 1				1 - e - i 1 - e - i	хч 1. 1						
95 28 1 21 25 17 25 18 16 16 16 15 17 104 25 17 10 16 16 15 17 105 27 16 10 17 10 25 10 105 27 16 10 17 10 25 10 10 25 0.0 NOTE: Ele NO. PLE NO. 06428 BORING NO. 81																-	
31 21 24 17 17 16 16 16 16 16 17 16 18 17 19 17 32 19 35 10 35 109 45 109.0 100 Bottom of biring at 109.0 feet below ground surface. Ketuaal to kad Proke. Rotes NOTES: FILE NO. 06428 BORING NO. PI							· · · · · · · ·										
21 23 17 17 16 16 16 16 15 17 17 18 17 19 32 19 35 109 45 109.0 100 Bottom of boring at 109.0 feet below ground surface. Refusal to ked Frobe. NOTE: FILE NO. 06428 BORING NO. 81										· · ·	 						
25 17 17 16 16 16 16 15 17 16 18 17 19 17 19 10 32 10 33 103.0 45 103.0 NOTES: FILE NO. POTE: Maximum Particle Size is cetermined by direct observation within the limitations of sampler size.								(a) a second se second second sec									
10 10 10 16 16 16 15 17 17 18 17 19 18 19 19 10 10 25 10 250.0 NOTES: FLE NO. 06428 BORING NO. B1						5		n na haran a sana a Tana mana a sana mana a sana									
100 16 16 16 15 17 17 17 105 23 19 32 32 109.0 33 109.0 45 109.0 100 Boxen of Boring at 109.0 fext below ground surface. Refusal to Rod Frole. NOTES: FILE NO. 06428 BORING NO. BI					· · · · · · · · ·			(a) A set of the se		с., 11. с			,,				
16 16 16 15 17 17 105 27 19 32 35 105.0 100 50.0 NOTES: File NO. VNOTE: Maximum Particle Size is determined by direct observation within the limitations of sampler size.								2. A set of the se	, ,							: · ·	
16 15 17 17 108 27 19 32 32 35 45 109.0 110 25%0.0 FILE NO. BORING NO. BI			-					(1, 2, 3) is a standard for the standard stan						-			
15 17 105 25 19 19 32 19 32 10 33 109.0 45 109.0 110 25/0.0 NOTE: File NO. 06428 BORING NO. Bit			1		a and a second sec			and a second of the second									
17 17 105 27 19 19 32 19 33 109.0 45 109.0 5 109.0 110 25/0.0 Pille NO. Boiteni of Boring at 109.0 feet below ground surface. Kefusal to Rod Probe. Interview Pille NO. BORING NO. BI					ne - dine - o contra - dine - o contra - dine -			 A second sec second second sec							-		• • • •
108 27 19 19 32 33 45 109.0 110 25/0.0 NOTES: FILE NO. VNOTE: Maximum Particle Size is determined by direct observation within the limitations of sampler size.				An shares Manager				a construction and the second s							-		
105 19 32 32 33 109.0 45 109.0 110 25/0.0 NOTES: FILE NO. 08428 BORING NO. BI						Traductation of the second									and the second second		
32 33 35 109.0 45 109.0 50.0 Bottom of Baring at 109.0 feet below ground surface. Refusal to Rod Prote. NOTES: FILE NO. *NOTE: Maximum Particle Size is determined by direct observation within the limitations of sampler size.	- 105														-		
35 109.0 Bottom of Boring at 109.0 feet below ground surface. Ketusal to Rod Frobe. Id9.0 NOTES: FILE NO. 08428 BORING NO. *NOTE: Maximum Particle Size is determined by direct observation within the limitations of sampler size.															-		
45 109.0 110 25/0.0 NOTES: FILE NO. 08428 BORING NO. BORING NO.															and a second second second		
			040		() water I''s automitiety	100 0					-			-			
NOTES: FILE NO. 06428 BORING NO. BI "NOTE: Maximum Particle Size is determined by direct observation within the limitations of sampler size.						ESCENT.	+						1	1	1		-
*NOTE : Maximum Particle Size is determined by direct observation within the limitations of sampler size.		23-010	-										1				
	- i no 1 ke ki i		*****	*637	TE: Maxim	um Particie	Size is di	00420 5		IG N	.U.		çe e e la server		81		
	hantalı odr. baştara bir dan baştara bir Lana ağışların ayına yören yören veye	un e jaar ee ee se								inc.	******		10-10-10-10-0-0-0		********		

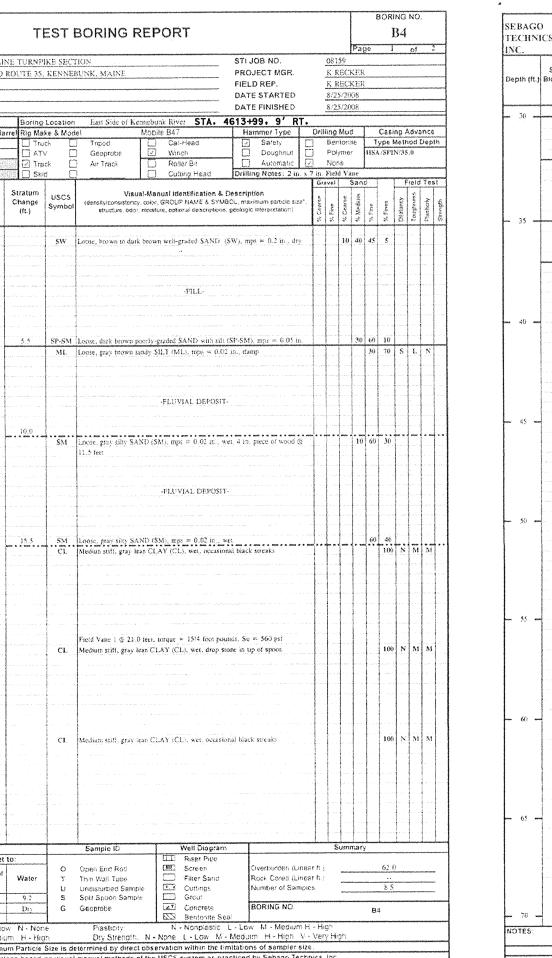
SEBAGO TECHNI					т	EST	BORING REPORT					10		ing B2	NO.	
INC.		*****	-								Pag		3		ot	
Depih (fi.)	Sampler Blows per 6 In.	Sample No.& Recovery (in.)	Sample Depth (ft.)	Well Diagram	Stratum Change (fl.)	USCS Symbol	Visual-Manual identification & Description (densivionsatency, coki, GROUP NAME & SYMBOL maintum particle size", structure, odor, mensture, optional descriptions, geologic interpretatio	% Coarse		% Coarse	Sand Helping %		% Fines	Dilastancy	Taugtmess	Diseteriv
~ 70 ~	1						· ·									ritek bes
														с. 		
		and in the second													and the second second	
		contractor the second se			н н. н. 1	· · · · · ·										
													• •			
- 75 -				and an and a second											-	
• ^																
	14 - 14 A.A.	1					-MARINE DEPOSIT-									
		n an				· · · ·							ч н н			
	1 - 1 1 - 1 - 1 - 1 - 1										-					
- 60						, . 					-					
						,										
	- Second and a second se			1												
						• • •										
n 85 mm								а 1 — 1					· · · ·		-	
nde en Aldre der oge				,	\$6.4		Pushed rods to 86.4 feet. Encountered significant resistance.								- 	
	11										1				\uparrow	
	7		· · · ·	anastaa 			Dreve rods with 300-pound hammor falling 16 mehes.		 							
	21	а 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1	·····	н н 1846 — 1841 —	1. 1. 1. 1. 1. 1. _{1. 1} 1. 1. 1.		المرکز التي التي التي التي التي التي التي التي		-							
- 90 inin	29			an a	en por en conserva- conserva-conserva-conserva-conserva-conserva-conserva-conserva-conserva-conserva-conserva- conserva-conserva-conserva-conserva-conserva-conserva-conserva-conserva-conserva-conserva-conserva-conserva-con	· · · · · · · ·					-		دي. در در			
	31			· · · · · · · · · · · ·												
and the second se	34			n an gan an ta		· · · · ·										
	27	na ka k					LIKELY GLACIAL TILL-									
	30									to tare excelution						
- 95 m	30															
	24	· · · · ·										and a second				
	22	-														
							Bottom of Baring 25 97.0 feet below ground surface					-				
							No Refusef					-			· · · · · · · · · · · ·	
	· · ·								and the second second	-					And and a state of the state of the	
• 100										undarrada e colleges arreste	-	-			an ship by a strength or a late	
er anti-er anti-erange	-									radju ganadjuga		-			Strategic particular	
- The Party of Contract of Con										nanepieres a aktietete	neede valer oor olge wa					
								-	State of the State of States	A STATUS	ani na	Complete Sector			and the second second	
	,											Structure and strength				
· 105								er Velasjolaren kalen		-				-		
r voine produce and the								a shi ya magana ya ku wa ku	- Anno Second Michigan				Mariana de Maria		And and a second se	
y na na kalendar dynadi								Approximation of the second	A TAX BARRIELON		-		-	And an of Shirld Strength	Partic Mappil, Clanda	
la sa si padi seriere									alway or state in state			ale of the second s	ann feil an stradige	POINT PARTY FROM	dénérosági isztivá.	
	and and a second s							-	yarra Vişladirə Ari		and a constant strain	P. I. L.	Our e-traconado	BUNKKKWANA	وماليك المراجعة الأر	
. 110											And a statistic planets					
OTES:							FILE NO. 08428 B0		G N					B2		

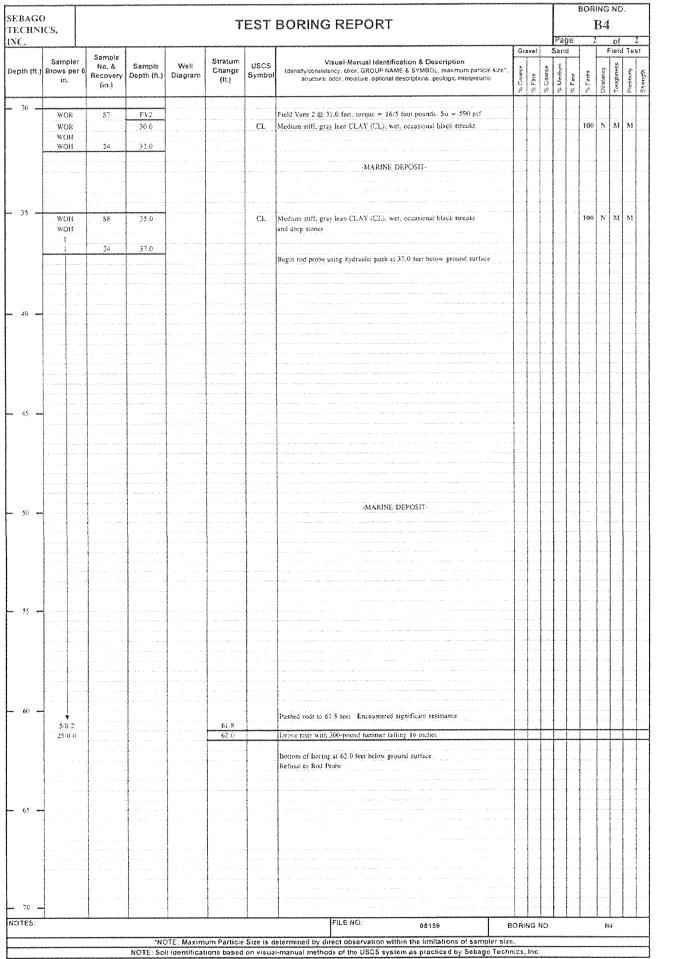
NOTE: FOR BORING LOCATIONS, SEE SHEETS 16, 17, 20, 21 AND 22.

Sebago Technics Engineering Expertise You Can Build On One Chobot Street Westbrook, We 04098-1339 Tel (207) 856-0277	,
DATE DATE DATE DE/OF ANIMULATE OF ANIMULATE OF ANIMULATION OB/09 SIGNATURE 5435 * L. RECKER N. S. RECKER N. S. S. P. D. S.	NAL AND THE STATE ON AL AND THE STATE OF ALL AND TH
BY DESIGNED KLR DRAWN TRC DRAWN TRC CHECKED KLR REVISIONS 1 REVISIONS 2 REVISIONS 3 REVISIONS 3 REVISIONS 4	REVISIONS 6
EASTERN TRAIL MANAGEMENT DISTRICT MULTI-USE TRAIL CONSTRUCTION Kennebunk, arundel and biddeford, maine BORING LOGS	
SHEET NUMBER	

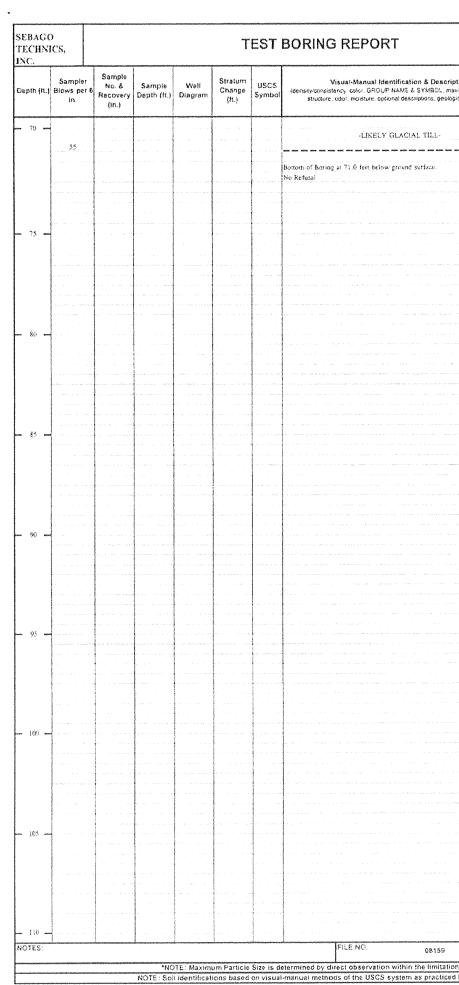
SEBAGO TECHNICS.				Т	ESTI	BORING RE	PORT				iring no. B3		SEBAGO TECHNIC	1				Т	ESTI	BORING RE	PORT	
INC. PROJECT LOCATION CLIENT CONTRACTOR DRILLER	LIMERICE HNTB COL	RPORATION IST BORING	UNDEL TO		*****	tion Bunk, Maine		STI JOB NO. PROJECT MGR. FIELD REP. DATE STARTED DATE FINISHED	08159 K RECI K RECI 8/25/20 8/25/20	(EK 38		3 	PROJECT LOCATION CLIENT CONTRAC DRILLER	TOR	LIMERICK HNTB COR MAINE TES T. SCHAEF	ROAD, AR PORATION ST BORING ER	í	ROUTE 35	, KENNEI	SUNK, MAINE		STI JOB NO. PROJECT MG FIELD REP. DATE STARTI DATE FINISHI
Elevation	****	Datum	er Core Ba		Location		4653+39 27'	RT. Hammer Type	Drilling Mut		ising Advanc		Elevation		ft. Casing	Datum Samp	ler Core Ba		Location ake & Mod		bunk River STA ibile B47	Hammer Typ
Item Type Inside Diameter (in.) Hammer Weight (lb.) Hammer Fall (in.)	Casing HSA 2.5) Samp SS 1,375 140 30			ick [V [ick []	Trippo Geoprobé Air Track	Cat-Head Winch Roller Bit	Safely Doogonut	Bentoni Polyme None	іе Тур	e Method De PIN/20.0	Anno Anno Anno Anno Anno Anno Anno Anno	Type Inside Diam Hammer We Hammer Fa	eight (lb.)	. HSA 2.5	SS 1.37 140 .30	5 		v [ack [Geoprote G	_) Cal-Head 2) Winch _) Roller Br _) Cutting Head	Satety Doughr Aotoma Drilling Notes:
Depth (H.) Sampler Depth (H.) Blows per in.	6 Sample No. & Recovery (in.)	Sampie Depth (ft.)	Well Diagram	Stratum Change (fL)	USCS Symbol	(density/consistency, cox	anual identification & Dr X. GROUP NAME & SYMBC sture, optional descriptions, g	DL. maximum particle size*			Field Te	\$1 6 6 6 7 7 7 7	Depth (ft.)	Sampler Blows per 6 in.	Sample No. & Recovery (in.)	Sample Depth (ft.)	Weli Diagram	Stratum Change (fL)	USCS Symbol	(density/consistency, col	Asnusi Identification & kr. GROUP NAME & SYM situe, optional description	BÓL, maximum partici
9	SI.			2	SW	1.005e, brown weli-graded	SAND with gravel (SW),	mps = 1.0 in.,	5 10 10	30 40	5		- 0 ·	1	53	Q,Ó	National Anna an an Anna Anna Anna Anna Anna Ann		SW	Louise, brown 10 durk bro	own well-graded SAND	SW), mps = 0.2 in.
······································	14	2.0		1.5	Ci,	danip Stiff, gray brown motifed	-FILLA leas CLAY (CL), damp			10 9	0 N M M			4 4	16.	2.0	······	· · · · · · · · · · · · · · · · · · ·				
	·					an a	-MARINE DEPOSIT-	n an an an ann an an an an an an an an a								a darlar and when	, , , , , , , , , , , , , , , , , , ,	a an				n alah saya dalam karan dalam karan dalam karan dalam da Mana dalam
· · · · · · · · · · · · · · · · · · ·													- 5 -	n, na a na hard baran a sa s	·	5.0	, , , , , , , , , , , , , , , , , , ,	5.5	SP.SM	Loose, därk brown poori;	worded \$4 ND with till	(SP-SM) mov = 0.0
1	\$2	5.0			CL	Siiff, gray brown monted	iean CLAY (CL), damp or	ccasional sind partings		10 9	0 N M M			WOH WOH	2.4	7.6	a an		nanjasasikasahatankashikadhi	Loose, gray brown sandy	perineryna manana panapana panapana perinena perinera panapana perinera perinera perinera perinera perinera per	
	24	7.0 					-MARINE DEPOSIT-	ananana ana amin'ny fisiana amin'ny fisiana amin'ny fisiana amin'ny fisiana amin'ny fisiana amin'ny fisiana ami Na amin'ny fisiana amin'ny fisiana amin'ny fisiana amin'ny fisiana amin'ny fisiana amin'ny fisiana amin'ny fisi Na amin'ny fisiana amin'ny fisiana amin'ny fisiana amin'ny fisiana amin'ny fisiana amin'ny fisiana amin'ny fisi										na geralda a new bar new anna da anna geralda geganetic anna geralda		a an	-FLUVIAL DEPOST	
10 WOH		·····					tarque = 44/3 foci point	ar Kura & 600 met					- 10	3		10.0		10.0	SM	Loose, gray silty SAND	(SM), mps = 0.02 in., s	et, 4 in. piece of wor
WOII	53 20	FV1		11.5	CL SM	Stiff, gray brown motiled	lean CLAY (CL), wet, fre AND (SM), mpt = 0.05 t	equent sand partings		10 50 4	IO N M M			2	15	12.0				11.5 feet		
		2 4 3 10 1 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2		and a second second			-GLACIAL TILL-							· · · · · · · · · · · · · · · · · · ·						n an an ann an Arran an Arran Ann an Arran a Arran an Arran an Arr	-PLUVIAL DEPOSI	
				· · · · · · · · · · · · · · · · · · ·			Sama and															
15 - <u>2</u>	\$4	15.0			834	Medium dense, gray https wet	on alley SAND with gravel	(SM), mps = 1.0 in.,	5 10 10	25 30 2	10		- 15 -	HOW HOW NOW	S4	15.8		. 15.3	−	Loose, gray siity SAND Mediun stiff, gray lean C	(SM), mps = 0.02 in., v CLAY (CL), wet, occasin	nal black sucaks
11 	24	17.6				an an ann an ann an ann an ann an an ann an a			· · · · · · · · · · · · · · · · · · ·					1	24	17.8			· · · · · · · · · · · · · · · · · · ·			
																			· · · · · · · · · · · · · · · · · · ·			
- 20	S.5	20.0			SM	Very dense, gray silly SA	ND with gravel (SM), mp	1.2 to , we	10 10 10	20 20 3	80	a de la composición de la comp		WOR WOH	\$5	FV1 20.0			cı	Field Vane 1 @ 21.0 fer Medium stiff, gray lean (
33 35 43	18	22.0					-GLACIAL TILL-		· · · · · · · · · · · · · · · · · · ·	• • • • • • • • • • • • • • • • •		4 1 1 1 1 1 1 1 1 1 1		WOII WOR	24	22.0					na na ipa ing na ipa ing na	
	· · · · · · · · · · · · · · · · · · ·					Bonom of Boring at 22.0 No Refusal	feet below ground surface	ana ana amin'ny soratra. Ny faritr'ora dia mampiasa amin'ny faritr'ora dia mampiasa amin'ny faritr'ora dia mampiasa amin' amin' amin' a Amin' amin'									· · · · · · · · · · · · · · · · · · ·	· · · · · · · · · · · · · · · · · · ·				
25 m 1 1 1 1	· · · · · · · · · · · · · · · · · · ·												- 25 -	WOR	 \$6	25.6	C		CL.	Medium stiff, grav lean (CLAY (CL), we occasi	mal black streaks
				· · · · · · · · · · · · · · · · · · ·		· · · · · · · · · · · · · · · · · · ·								WOR WOR WOR	24	27.0						
· · · · · · · · · · · · · · · · · · ·					· · · · · · ·	· · · · · · · · · · · · · · · · · · ·										· · · · · · · · · · · · · · · · · · ·						
					,								- 30									
and 30 and	Water (Level Data			<u> </u>	Sample ID	Well Diagram		Sume	hary -			30 And		Water L	evel Data D	epth in feet	to:		Sample ID	Well Diagram	
Date Time	Elapsed Time (hr.)	Devene	Bottom of Hole	to: Water	T	Open End Rod Thin Wall Tube Undistanced Sample	Riser Pipe Screen Filter Sand Custings	Overburden (Line Rock Cored (Line Number of Samp	ar ft.)		2.0 	-	Date	Time	Elapsed Time (hr.)		Bottom of Hole	Water		Open End Roti Thin Wali Tube Undisturbed Sample	Filter Sand	Overburder Rock Cores Number of
8/25/2008 1245 8/25/2008 1400		15.0 ~	17.0 	5.2 5.0] s	Ondikturbed Sample Spill Spoon Sample Geoprohe	California Concrete SSS Benionite Seat	BORING NO.	····	B3			8/25/2008 8/25/2008	1310 1750		16.6 Caved	12.0 7.6	9.2 Diy	s	Solit Spoon Sample Geoprobe	Groun Concrete SS Bentonite St	
Field Tests	j Dilatancy		pid S · Sic	W N - Nor um H - Hig		Plasucity.		+ Low M - Medium I		oonooga takun ka			Field	Tests	Dilatancy:		ipid S - Sic v M - Media			Plasticity: Do: Strangth: N		L - Low M - Med

SEBAGO FECHNI	1				Т	EST	BORING REPOR	Т					age	BOR	B6	nU.		1
INC. PROJECT LOCATION CLIENT CONTRAC DRILLER	N	LIMERICK HNTB COF	PORATION ST BORING	UNDEL TO	****	*****	IION BUNK, MAINE		STI JOB NO. PROJECT MGR. FIELD REP. DATE STARTED DATE FINISHED	•	0815 K RI K RI 8/27 8/27	19 ECK ECK 7200	ER ER 8					
Elevation		ł:	Datum		Boring	Location	West Side of Kennebunk Riv	er STA. 4	4612+47, 11'	₹Т •	19080699394			95545969499	******	******	******	
tem		Casing	*******	ler Core B	arrel Rig Ma				Kammer Type		ing N		_	****	ing A	****		
lype nside Diar	mades for 5	H\$A 2.5	<u></u>					Head	Safety C Doughnut C		Bent Poly			Type A/SPI			Эер	
lammer W		4.2	140				Cardon Constanting of	er Bit	Doughnut C	1	None		1.	en 2000		¢.		
lammer Fr			30	Cost in	SKI			ng Head	Drilling Notes: 2 in x		Field	Vao	e			*******		******
Depth (ft.)	Sampler Blows per 6 Jn.	Sample No. & Recovery (in.)	Sample Depth (fL)	Well Diagram	Stratum Change (ft.)	USC\$ Symbol	Visual-Manual Ide (dansity/consistency: color, GROUP structure, odor, moisture, opno:	NAME & SYMBO	L, maximum particle size* .	5	% Fine		% Medium % Fine	% Fines	Dintancy	Toughnens	Youred	Γ
- 0 -	5 5 4	Si	0.6 2.0		1.0	EM ML	Loose, dark brown silry SAND with Loose, dark brown SILT with grave	FILL					25 2 10 20	20 50	\$	1. 1.	8	•••
P			 abortanti entre de la compositione a compositione de la compositione a compositione	anan demona a da an an an an an an an an an an an an an an				-FILL-										
- \$ -		<u>\$2</u>	5.0	a ya an antonya ya kata ya an antonya ya Ata ya ya ya kata ata kata ya kata ya Ya da kata ya Ya ata ya kata ya kata ya	5.0 	cı.	Stiff, gray brown mottled lean CLA	Y (CL), damp			·····		5	95	N	м	M	,
		12 5	2.0				Market (1997)	NE DEPOSIT-							And a second	۲۰۰۶ ۲۰۰۶ - ۲۰۰۹ ۲۰۰۹ - ۲۰۰۹ ۲۰۰۹ - ۲۰۰۹ ۲۰۰۹ - ۲۰۰۹		5
- 10 -	1	\$3 	10.0			CL	Stiff, gray brown mottled lean CLA partings	Y (CL), damp, o	ccusional sand				11	90	N	M	M	
	4	24	12.0		14.0		Yeestin, J., Bolonan and annual and series of a second series of a marked second space of a second secon											
•• 15, ·•••	WOH WOH WOH	<u>\$4</u>	15.0			CL.	Medium stiff, grzy lean CLAY (CL), damp, occasion	121 black streaks					100	N	M	M	
									(a) A set of a second s second second s second second second second second second second second sec second second sec									19 19 10
m 20 mm	WOH WOH WOH WOH	55 24	FV1 20.0 22.0			CL.	Field Vanc 1 @ 21.0 feet, torque = Soft gray lean CLAY (CL), moist. (100	N	M	M	· · · · · · · · · · · · · · · · · · ·
								NE DEPOSIT-										
er 25 mag	WOH WON WOH WOH		25.0	a ang ang ang ang ang ang ang ang ang an		CL.	Sofi, gray leas CLAY (CL), wet. of	resional black st	reaks					100	× *	M	M	
5%								e internet por transmission in a series in e internet and a series in the series in t					via de constante estatemente de la constante de					
- 30 -					L	ļ	Campia IP	Inli Diman										-
Date 8/27/200	Time 8 1130	Water L Elapsed Time (br.)	evel Data De Bottom of Casing Caved	Depth in feet Bottom of Hole	to: Water Dry	O T U S	Open End Rod III) Thin Wall Tube III Undisfurbed Sample III Split Spoor Sample III	/ell Diagram Riser Pipe Screen Filter Sand Cuttings Grout	Overburden (Linea Rock Cored (Linea Number of Sample:	11.3	<u>5</u> u	mm	ary	71.(.: 7.5	i			
Field	Tests	Dilatancy: Toughness		old S - Sio M - Mediu			1 223		BORING NO.				3	6		and the second		gastinoiw





SEBAGO FECHNI	cs,				Т	EST	BORING REPORT				Der		IORI	36			
INC.						[Gra	vel	10,000,000	Pag Sand	Second dealer			of ield	3 Tes	-
Depth (fl.)	Sampier Blows per 6 in.	Sample No. & Recovery (in.)	Sample Depth (fl.)	Well Diagram	Stratum Change (fi.)	USCS Symbol	Visual-Manual Identification & Description (densky/consistency, color, GROUP NAME & SYMBOL, maximum particle size', structure, odor, inoisture, optional descriptions, geologic interpretatio	x		% Criates	% Medium	% Fine	Sh Fines	Distancy	Toughness	Plantoch	The second se
- 30	WOR WOR	\$7	FV2 30.0			CL	Field Vant 2 @ 31.0 feet, torque = 12/4. Su = 440 psf Soft, gray tean CLAY (CL). wet, black streaks						106	N	м	M	~
	WOR WOR	24	32.6				-MARINE DEPOSIT- Begin rod probe using hydraulic push z: 33.0 feet below ground surface									to statut mar stateman	
		· · · · · · · · · · · · · · · · · · ·		алан 2023 													
- 35			· · · · · · · · · · · · · · · · · · ·				n de la companya de La companya de la comp La companya de la comp						5				
	· · · · · · · · · · · · ·	, , , , , , , , , , , , , , , , , , ,				• • • • • • • •		· · ·						 			
	1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 -			ی که ۲۰۰۰ میلی در این		and de la	n series a series and a series and a series of the series of a series of the series and a series of the series a 1							i sonas Second			
Genvelendeder iste en -v e vere			an an ann an	, , , , , , , , , , , , , , , , , , ,	1	·	n na na mana na						·				
- 40 -	· · · · · · · · · · · · · · · · · · ·	·····												an a Trans	n	· · · · · · · · · · · · · · · · · · ·	
, este investe dans de la conservatione												••••••	11 1 1 1 1 1 1 7	1 1			
							a superior sectors and sec 1. (1) (1) (1) (1) (1) (1) (1) (1) (1) (1)			 						· · · · · ·	
45		,				· · · · · · · · · · · · · · · · · · ·	an a			11 							
			a a i a gi gi gi				n serie a film a serie a serie a serie a serie a serie a serie de la composition de la composition de la compos La composition de la c			· · · · · · ·							
							n an						, , , , , , , , , , , , , , , , , , ,				
50	,												, 1,1,1,1,1,1,1,1,1,1,1,1,1,1,1,1,1,1,1	1999 - 1999 1999 - 1999 1999 - 1999 - 1999			
			a a the people is	,			ana ana amin'ny tanàna amin'ny tanàna amin'ny tanàna mandritra dia mampika mandritra dia kaominina dia kaominin Ny INSEE dia mampika mandritra dia kaominina dia kaominina dia kaominina dia kaominina dia kaominina dia kaomini Ny INSEE dia kaominina dia k		1	1999 - 1994 1999 - 1994 1999 - 1994			,				
			· · · · · · · · · · · · · · · · · · ·				e y serve and an anna an anna anna an anna an an an a										
			1				na na sana ang ang ang ang ang ang ang ang ang										
55	1				· · · · · · · · · · · · · · ·					· · · · · ·							1
			en an			· · · · · · · · · · · · · · · · · · ·								1 m. - 1 m			
		e a constructiva d'accesar a de se			· · · · · · · · · · · ·	1 - 2 - 2 - 2 - 2 - 2 - 2 - 2 - 2 - 2 -	n sa										
- 60			· · · · · · · · · · · · · · · · · · ·			1	میک این در در در این می این این می ازد. در این در در می این در در می می می در می در در می در این این در در این این می می می در این این می در می می در این این می می می در در در در این می می در در در در در این در در این در ای این می در می می در این می در می می در این این می می در در در در در می در می می در می در در می در این می در این			**************************************						ni elite Se	
		· · · · · · · · · · · · ·	· · · · · · · · · · · · ·			· · · · · · · · · · · · · · ·	(4.1) (1) (1) (1) (1) (1) (1) (1) (1) (1) (···· (•	
			· · · · · · · · · · · · · · ·	· · · · · · · · · ·	63.5		Pushed rods to 63.5 feet. Encountered significant resistance									 	
65	9 12				· · · · · · · · · · · · · ·		Brove rods with 300-pound hanner falling 16 inches					 				۰ بر ۱۹۰۰ میں ۱۹	
***	18						-LIKELY GLACIAL TILL-									 	
							n an										1 1 1
	34	5			energia de la composición de						adata da de la constance de la constan	 					A REPORT OF A REPORT OF A REPORT OF
NOTES:	42				-		FILE NO. 08159 E	ORI	NG I	(0.					<u> </u> K		
			11/	YE Manufam	Berticle	Pine in a	etermined by direct observation within the limitations of sampler size					******				-	

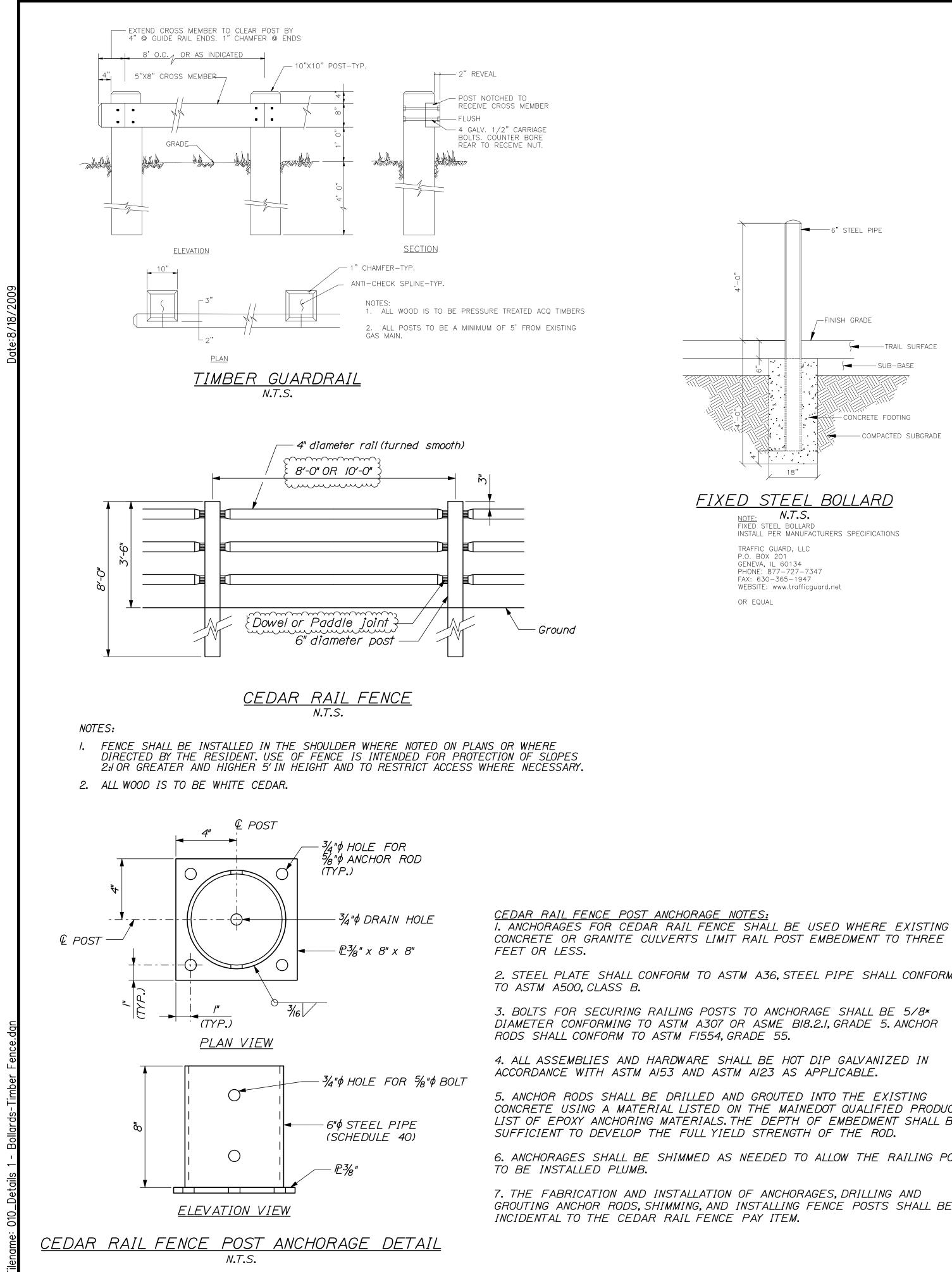


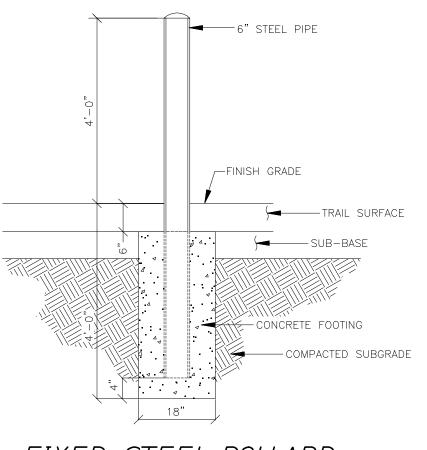
SEBAGO TECHNI INC.	1	*****			TI	EST	BORING RE	PORT		grosses		4	age	BOR	B5	NO.	1
PROJECT LOCATIO CLIENT CONTRAC DRILLER	N	LIMERICK HNTB COF	ROAD. AR PORATION ST BORING				BUNK, MAINE		STI JOB NO. PROJECT MGR. FIELD REP. DATE STARTED DATE FINISHED		K R 8/20	59 ECKI ECKI 5/2008 5/2008	R				
Elevation			Datum			Location		4539+97, 5' L		15.00	15 min	11	-	Cas	na A		
item Type		Casing HSA	Sampi S5	er Core Ba	irrel Rig Ma	ke & Moc	Kommunication and a first state of the second se	Cat-Head	Hamme! Type			Mud donite		ype			
inside Diar		2.5	1.375			v Č	Geoprope	general and the second s	Deughnul	Ď		mer	HS.	4/SP1	N/23.	5	
Hammer W Hammer Fi			140 30	2.199.000	🔄 🖸 Tra 🗍 Ski] Air Track		Drilling Notes: 2 in.	[<u>7</u>] x 7 in.	Nor					or and a second s	costing
		Samole	[]						*****		avel	Sə			۶	eld	Test
Depth (ft.)	Sampler Blows per 6 in.	No. & Recovery (in.)	Sample Depth (ft.)	Well Diagram	Stratum Change (ft.)	USCS Symbol	(density/consistency, cold	anual Identification & De n. GROUP NAME & SYMBO fure, optional descriptions, g	, maximum particle size	% Course	% Fine	% Cowse	% Fine	X. Fines	Dilatary	Toughness	Plashoty
- 0 -			0 <u>.0</u>			SW	Medium detrase, brown w m., dry, pieces of crushed	ell-graded SAND with gra stone	el (SW), mps = 1,6	10	10	10 3	0 35				nand georgenite strength
	5	14	2.0		, , , , , , , , , , , , , , , , , , ,			-FILL>									
					3,0												,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,
	na serie da Aran Aran ar		· · · · · · · · · · · · · · · · · · ·					-MARINE DEPOSIT-								ALCONO. AND AND AND A	
	3 16	S2	5.0			CL SP	Stiff, gray brown mouled Dense, brown poorly-grad	lean CLAY (CL), wet led SAND (SP), mps = 0.0	5 in., we:				10 0 55	here + +	N	<u>M</u>	M
	28 26	22	1.6					-MARINE DEPOSIT-									
	,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,		· · · · · · · · · · · ·	,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	· · · · · · · · · · · · · · · · · · ·												
		· · ·			9.6		Bags & & Song & & State X & Bags & & North		ann 2 a ann 2 à ann 2 a mar a 2	1000 A. 10 .		4000 P 4.	.	1999 1 . 8	ен. н н	4906 8 1	•••••
- 10 -	WOR WOR	\$3	10.0			Ċl.	Medium stiff, gray lear, C	LAY (CL), wes						100	N	м	M.
		24	12.0		· · · · · · · · ·			-MARINE DEPOSIT-									
															And a state of the		
	- 1.1		· · · · · · · ·										densi-r viore automa				
- 13	2	\$4	15.0	· · · · · · · · · · · · · · · · · · ·		Cr.	Medium stiff, gray lean C	LAY (CL), wet, silty sand	lense @ 15.0 - 15.4 ft.				10	96	N	M	M
	WOH 1	24	17.0														
						· · · · · · · · · · · ·											
36			a da ana		····· ·· ··												
- 20 -	WOR WOR	55	FV1 20.0			CL		torque = $15/0$ foot pound LAY (CL), wet, occasional					10	4 6	N	M	M
	1 won		22.5				· · · · · · · · · · · · · · · · · · ·	MARINE DEPOSIT-									
					23.0 23.5		GLACIA	TILL of WEATHERED	BEDROCK-								
	- 4.00 AA		· · · · · · · · ·			· · · · · · ·	Bonom of Boring at 23.5 Spin Spoon Refusal	feet below ground surface.		-	n - sile-callor/species/sur-		- Charles Consecutive - Second			-	
- 25 -	· · · · · ·									er devendenser					01111 @C01-0000		
	1 m.		· · · · · · · · · · · · · · · · · · ·				· · · · · · · · · · · · · · · · · · ·			nan Britch of Spaces		ada d en en algen an ad			1.0000000000000000000000000000000000000		
										Voltage and so the second				anna ggain an an Anna			
			-			·····										Providen district destructure destructu	
- 30 -		Water i	evel Data			-	Sample ID	Well Diagram			s	umma	1				
Date	Time	Elapsed Time (hr.	D	epth in feet Bottom of Hole		O T	Ôpén End Rod Thir- Wall Tube	Riser Pipe Screen Filter Sand	Overburden (Lin Rock Cored (Lin	ear tu				23.			
8/26/208 8/26/208			16.0 Caved	12.0	3.0	S G	Und-sturbed Sample Spid Spoon Sample Geoprope	Grout Grout Geocrete	Number of Sam; BORING NO.	ses	and the second	9. 9749 9744 9		<u>55</u> 5			
	d Tests	Dilatancy.	R - Ri	apie S - Sk	∋w N+Nor	1e	Plasticity.	N - Nonplastic L	- Low M - Medium	н - н	gn		4.) 			net the contents	
		Tougnnes	*N	v M • Medi OTE: Maxim	um Particle	Size is d	Dry Strength: N etermined by direct obs I-manual methods of the	 None L - Low M - N ervation within the limit 	lations of sampler si	ze.		on 	********	*****			

							36			
			_	Pag	ie			of ield		<u> </u>
cription	Gra	ivei		1	-		F			
maximum particle size*, plogic imerpretatic	% Coars+	% Fire	% Coatse	The Indiration of the	K Fine	% Fines	Dilatancy	Toughness	Pheetorty	Strength
2019, 1809 2015 2016 2016 2016 2016 2016	e		•••• •					• ****		
					-		н н у			
a aan ah						2 - 1 5 - 1 - 1			- 2 4 4 1 - 1 - 2	
· · · · · · · · · · · · · · · · · · ·						· · · · · ·			- 5 -	
				,		ан () , ал				
			- 1997 	· · · ·		, , , , , , , , , , , , , , , , , , ,		 		
		an 10 1		• 16.21 - 3 -						
		,	· · · · · ·		- 1 - 1 					
	1			1. 1 1.	· · · · ·	1	 	,	9 - 10 - 10 19 - 19 - 19	,
						 	· · · · ·		- 17 - 14 2 - 1 - 1 2 - 1	
a aya ana ana ana ana ana ana ana ana an					,					
an a	1 1 y -				• • • • • •		· · · · ·		* 	
									, 	
	 			· · · · ·						
			1997 - 199 1997 - 199	 		,				-
			- X. V.							
		-		· · ·					· · · · ·	
						27 A			-	
									ingingur. 18 Alexingin	
			-			1				
	A CONTRACTOR AND A CONT		unal spensie nations							
										And the state of t
								-	-	and the second se
0	ORI	MC I	5				в	27		

			Sahadu Tachnice		Engineering Expertise You Can Build On Build On One Chabot Street				
The second secon	Hele	SIGNATURE		× : ; ; ; ; ; ; ; ; ; ; ; ; ; ; ; ; ; ;	P.E. NUMBER	05	~		
DATE	06/00	06/00	00/90						
ВҮ	KLR	TRC	KLR						
	DESIGNED	DRAWN	CHECKED	REVISIONS 1	REVISIONS 2	REVISIONS 3	REVISIONS 4	REVISIONS 5	REVISIONS 6
	EADIERN INAIA WENEWENI UIDIAIOI	NOTTOTICT TONCT TONCT TO NOT T	MOTIONICATION TIVIT TOO TITOM		AENNEBUNN, AKUNDEL AND BIDDEFURD, MAINE			DOPING LOGO	
S	H	EE	= T	N	IU	MI	ЗE	ER	
			(C)				
		(DF	ala K	69)			

NOTE	:						
FOR	BOF	RING	LOC	ATI	ONS,	SEE	
SHEE	ETS	16 , 1	7,20	, 21	AND	22.	



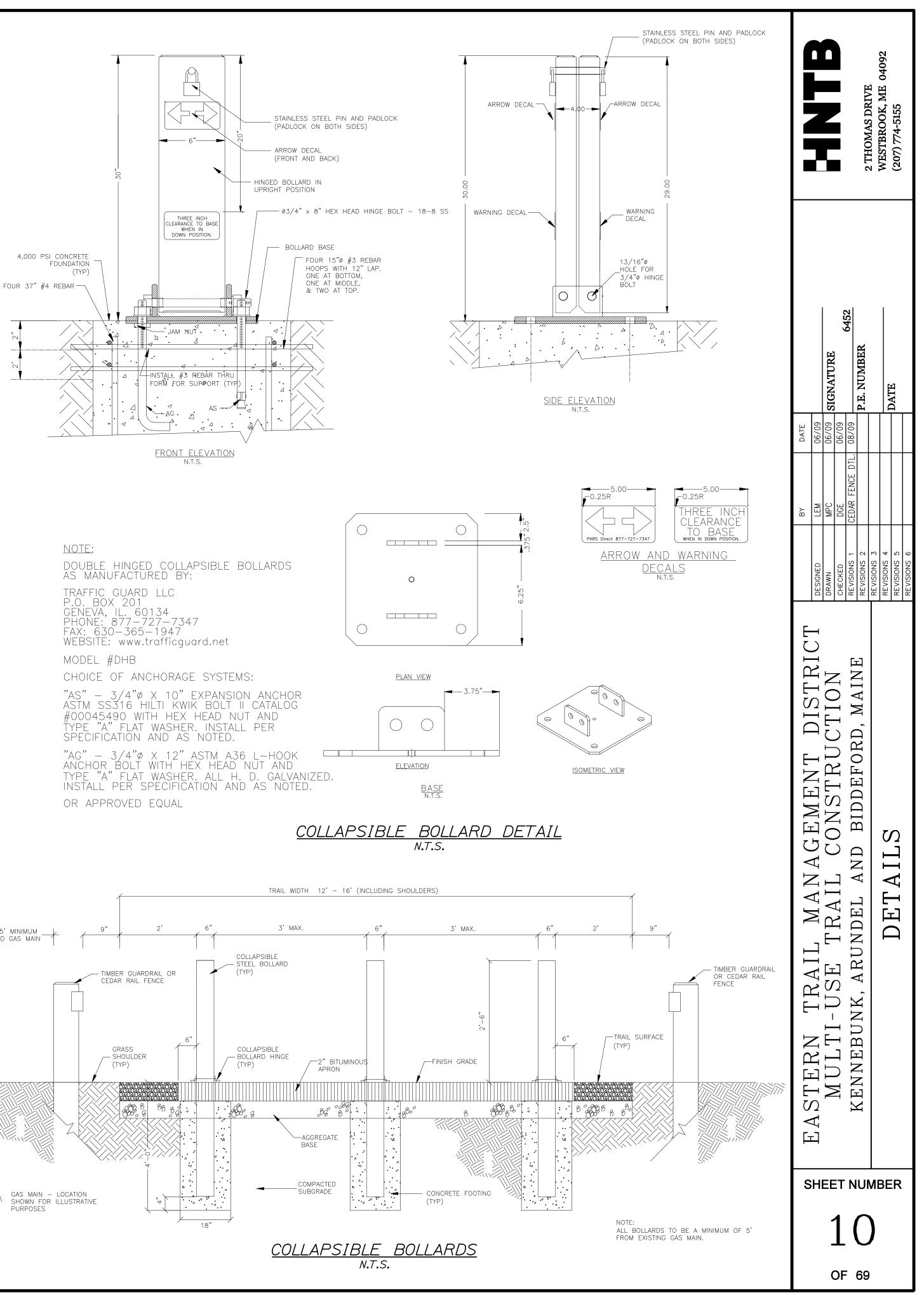


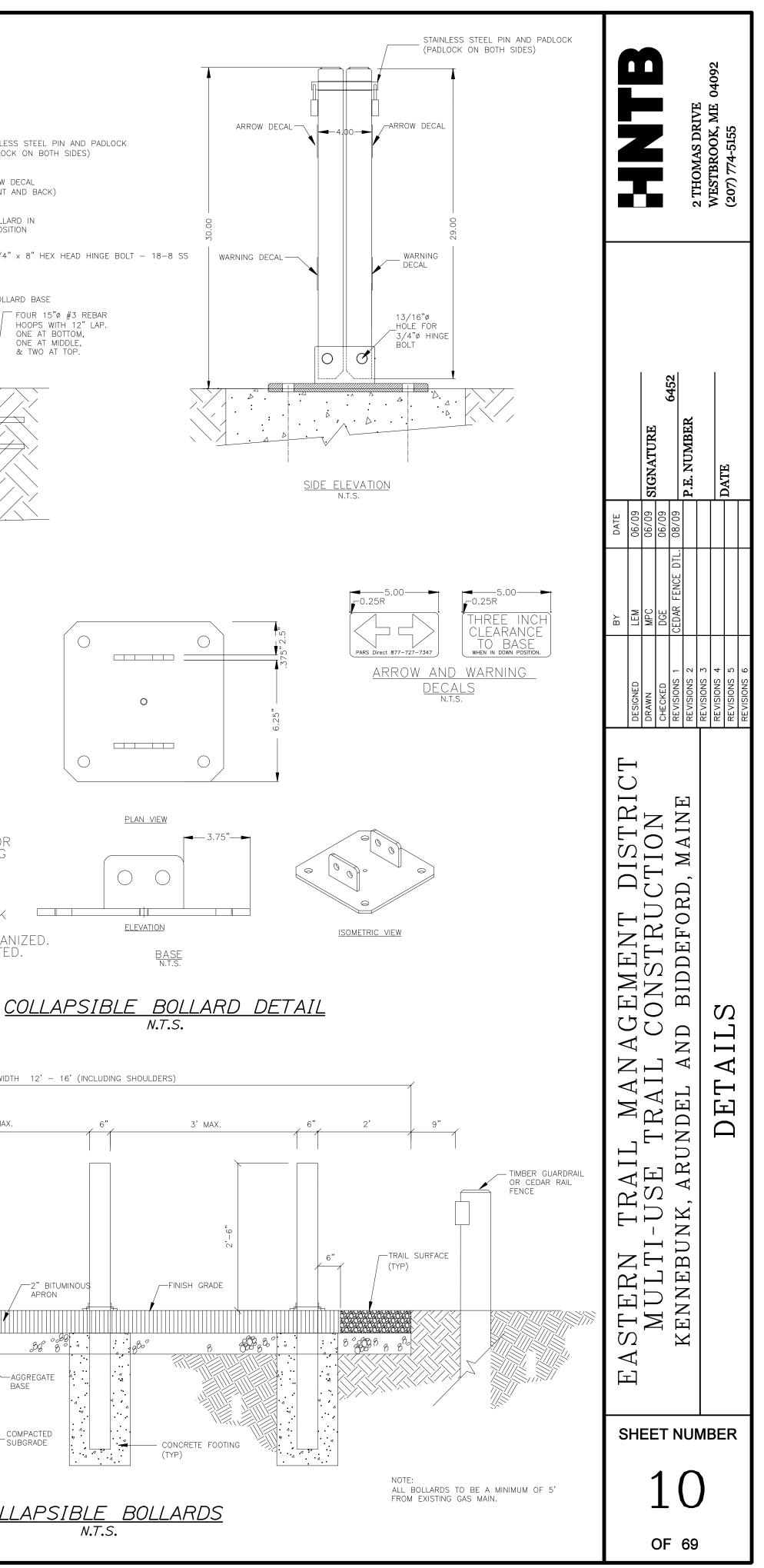
FIXED STEEL BOLLARD

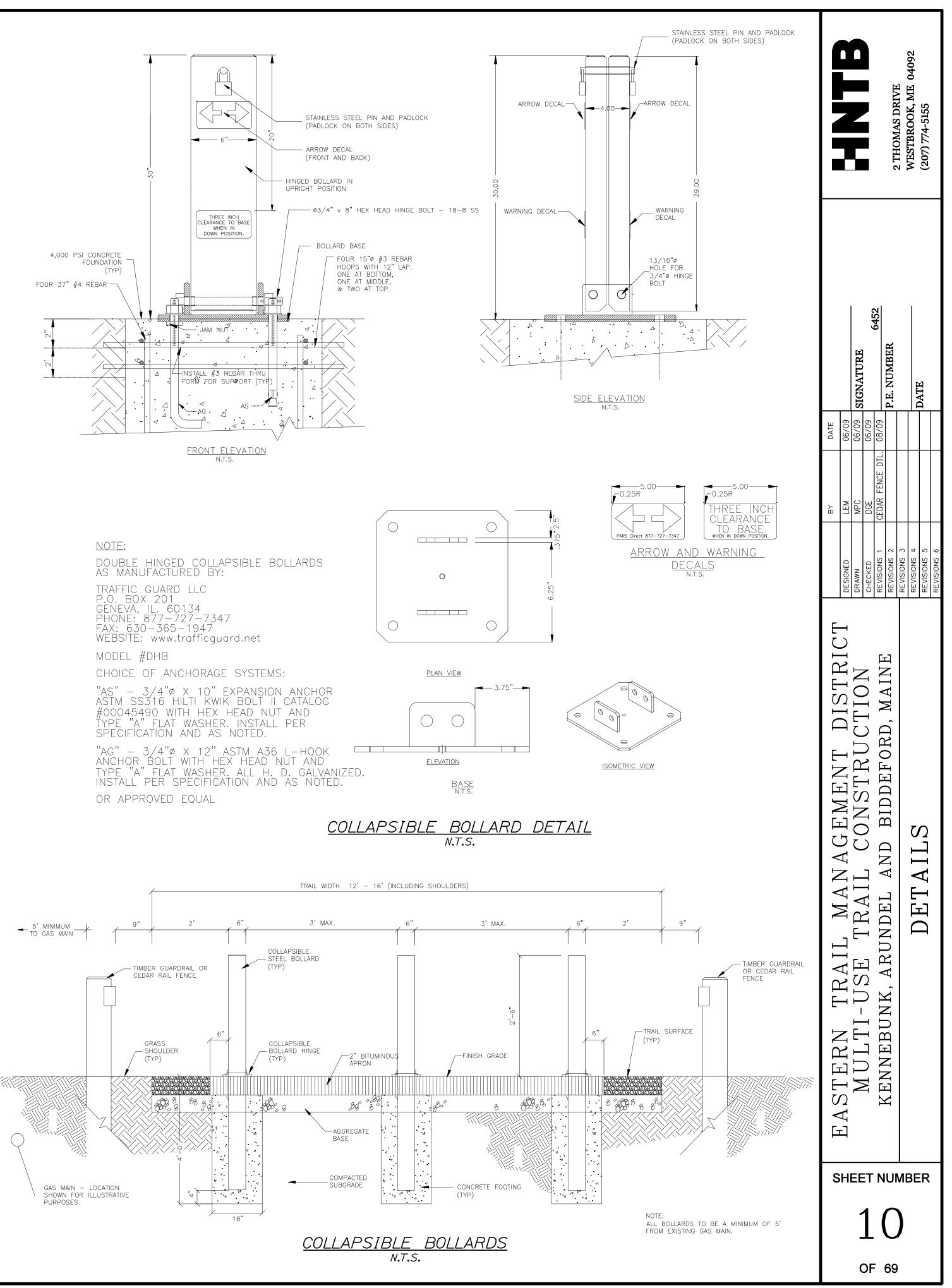
N.T.S. Note: **/V./.).** Fixed steel bollard INSTALL PER MANUFACTURERS SPECIFICATIONS

TRAFFIC GUARD, LLC P.O. BOX 201 GENEVA, IL 60134 PHONE: 877-727-7347 FAX: 630-365-1947 WEBSITE: www.trafficguard.net

OR EQUAL







2. STEEL PLATE SHALL CONFORM TO ASTM A36, STEEL PIPE SHALL CONFORM

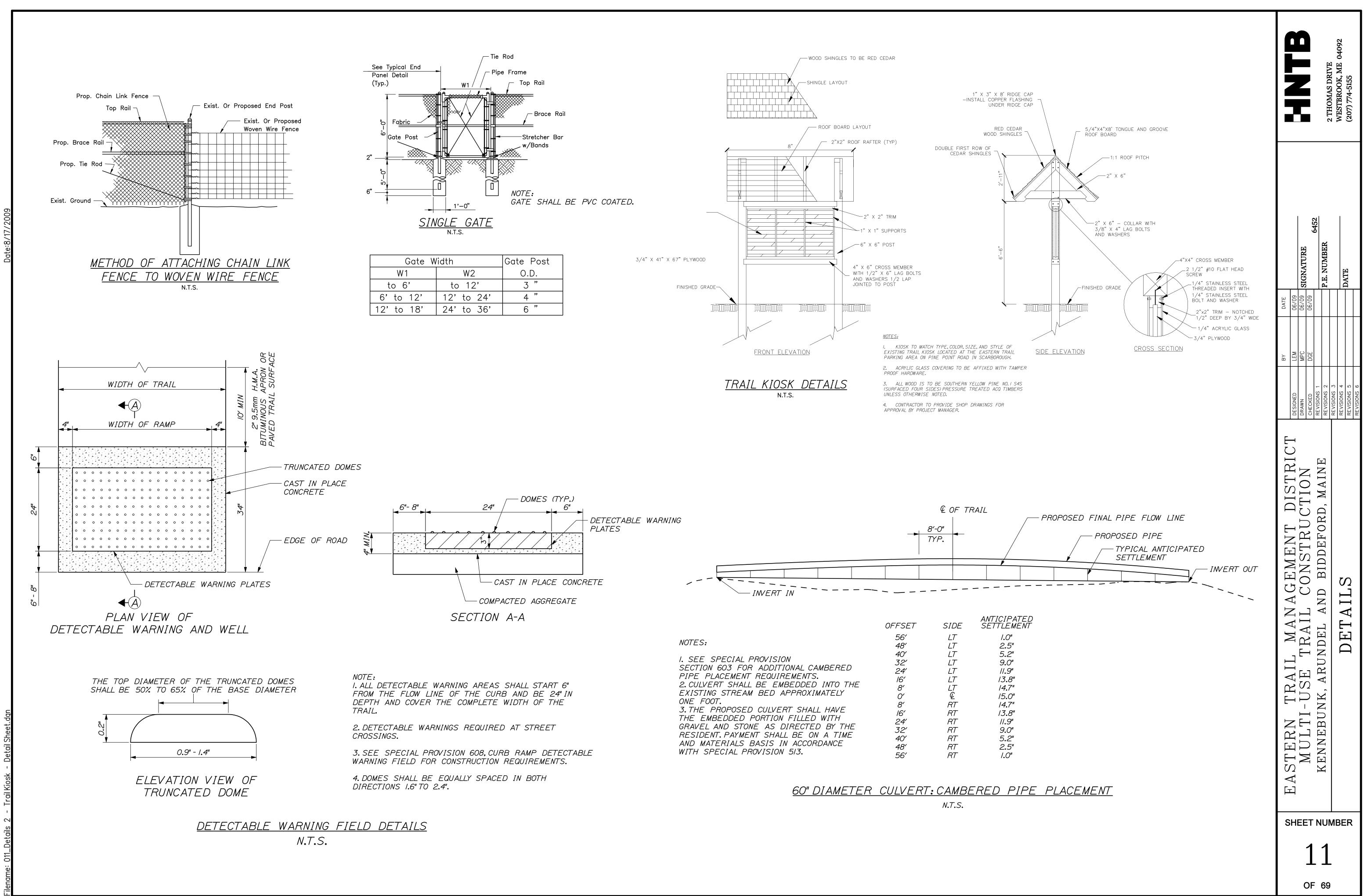
3. BOLTS FOR SECURING RAILING POSTS TO ANCHORAGE SHALL BE 5/8* DIAMETER CONFORMING TO ASTM A307 OR ASME BI8.2.1, GRADE 5. ANCHOR

4. ALL ASSEMBLIES AND HARDWARE SHALL BE HOT DIP GALVANIZED IN ACCORDANCE WITH ASTM A153 AND ASTM A123 AS APPLICABLE.

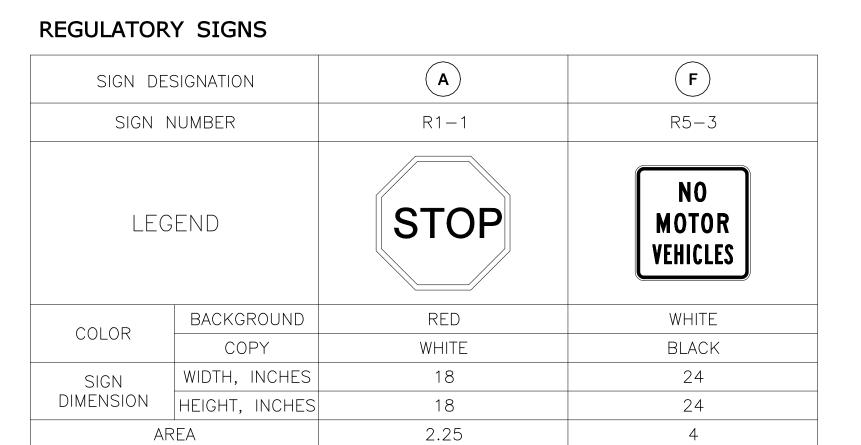
5. ANCHOR RODS SHALL BE DRILLED AND GROUTED INTO THE EXISTING CONCRETE USING A MATERIAL LISTED ON THE MAINEDOT QUALIFIED PRODUCTS LIST OF EPOXY ANCHORING MATERIALS. THE DEPTH OF EMBEDMENT SHALL BE SUFFICIENT TO DEVELOP THE FULL YIELD STRENGTH OF THE ROD.

6. ANCHORAGES SHALL BE SHIMMED AS NEEDED TO ALLOW THE RAILING POST

7. THE FABRICATION AND INSTALLATION OF ANCHORAGES, DRILLING AND GROUTING ANCHOR RODS, SHIMMING, AND INSTALLING FENCE POSTS SHALL BE



START 6" BE 24" IN OF THE TREET	NOTES: I. SEE SPECIAL PROVISION SECTION 603 FOR ADDITIONAL CAMBERED PIPE PLACEMENT REQUIREMENTS. 2. CULVERT SHALL BE EMBEDDED INTO THE EXISTING STREAM BED APPROXIMATELY ONE FOOT. 3. THE PROPOSED CULVERT SHALL HAVE THE EMBEDDED PORTION FILLED WITH GRAVEL AND STONE AS DIRECTED BY THE RESIDENT. PAYMENT SHALL BE ON A TIME AND MATERIALS BASIS IN ACCORDANCE WITH SPECIAL PROVISION 513.	56' 48' 40' 32' 24' 16' 8' 16' 24' 32' 40' 48'	LT LT LT LT LT LT Q RT RT RT RT RT RT	.0" 2.5 9.0 1.9 3.8 4.7 5.0 4.7 3.8 1.9 9.0 5.2
P DETECTABLE REMENTS.	WITH STEETAET NOVISION SIS.	56′	RT	1.0"



GUIDE SIGNS

SIGN D	ESIGNATION	В	С	Н	I	ε	S	T
SIGN	NUMBER	D11-1	M7-1R	M4-12	M4-11	M7-2	M7-1L	M7-5
LE	IGEND	East Coast Greenway		END	BEGIN			
COLOR	BACKGROUND		GREEN	GREEN	GREEN	GREEN	GREEN	GREEN
COLOR	COPY	TO BE	WHITE	WHITE	WHITE	WHITE	WHITE	WHITE
SIGN	WIDTH, INCHES	SUPPLIED	12	24	24	12	12	12
DIMENSION	HEIGHT, INCHES	BY ETMD	9	6	6	9	9	9
<i>H</i>	AREA		0.75	1	1	0.75	0.75	0.75

WARNING SIGNS

SIGN DESIGNATION		E	G	K		M	N	0
SIGN NUMBER	W11-1	W16-7pL	W16-2a(M)	W7-5	W11-2	W1-2R	W1-2L	W1-1R
LEGEND	(H)		200 FT	650				
BACKGROUND	YELLOW	YELLOW	YELLOW	YELLOW	YELLOW	YELLOW	YELLOW	YELLOW
COLOR COPY	BLACK	BLACK	WHITE	BLACK	BLACK	BLACK	BLACK	BLACK
SIGN WIDTH, INCHES	30	24	24	18	30	18	18	18
DIMENSION HEIGHT, INCHES	30	12	12	18	30	18	18	18
AREA	6.25	2	2	2.25	6.25	2.25	2.25	2.25
SIGN DESIGNATION SIGN NUMBER	(R) W1-3L	U W5-4a BIKEWAY	(w) W2-1	(x) W2-4				
LEGEND COLOR BACKGROUND COPY	YELLOW BLACK	YELLOW BLACK	YELLOW BLACK	YELLOW BLACK				
	18	18	18	18				
	10							
SIGN WIDTH, INCHES DIMENSION HEIGHT, INCHES	18	18	18	18	3			

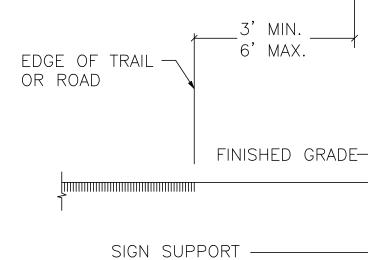
09

<u>NOTES:</u> I. ALL SIGNS SHALL BE TYPE I. REFER TO SECTION 645 FOR NUMBER AND TYPE.

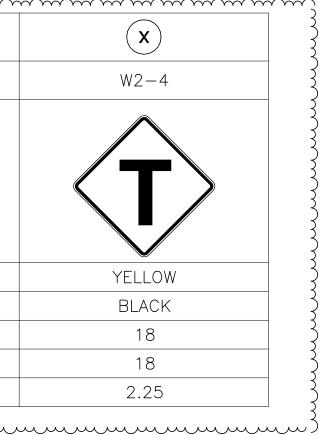
2. THE ORDER SHALL BE AS NOTED ON THE PLANS.

3. SIGN POSTS WITHIN 10'OF A LOCAL ROAD SHALL BE COMPLIANT WITH BREAKAWAY STANDARDS.



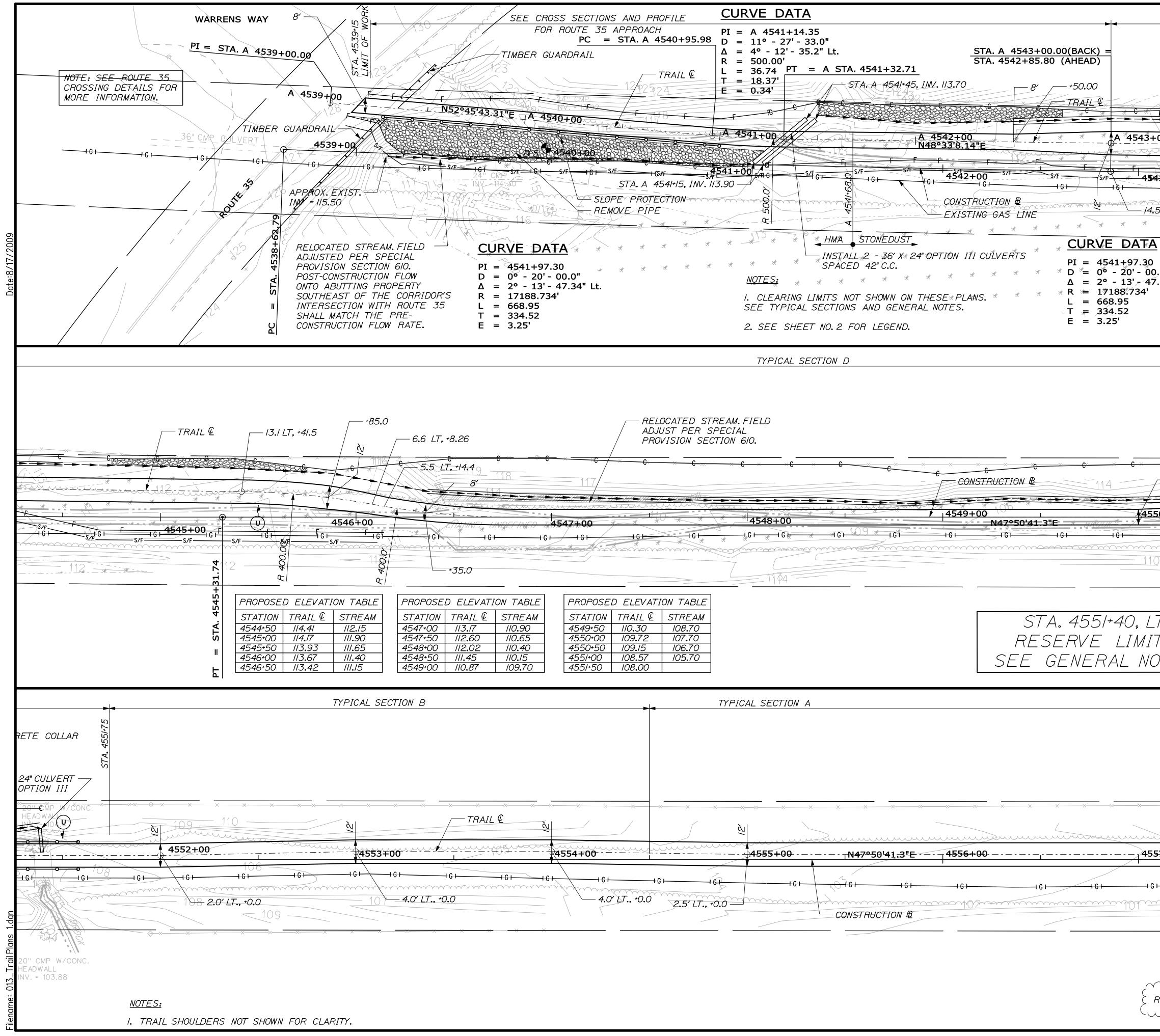


CHANNEL POST (TYP.)



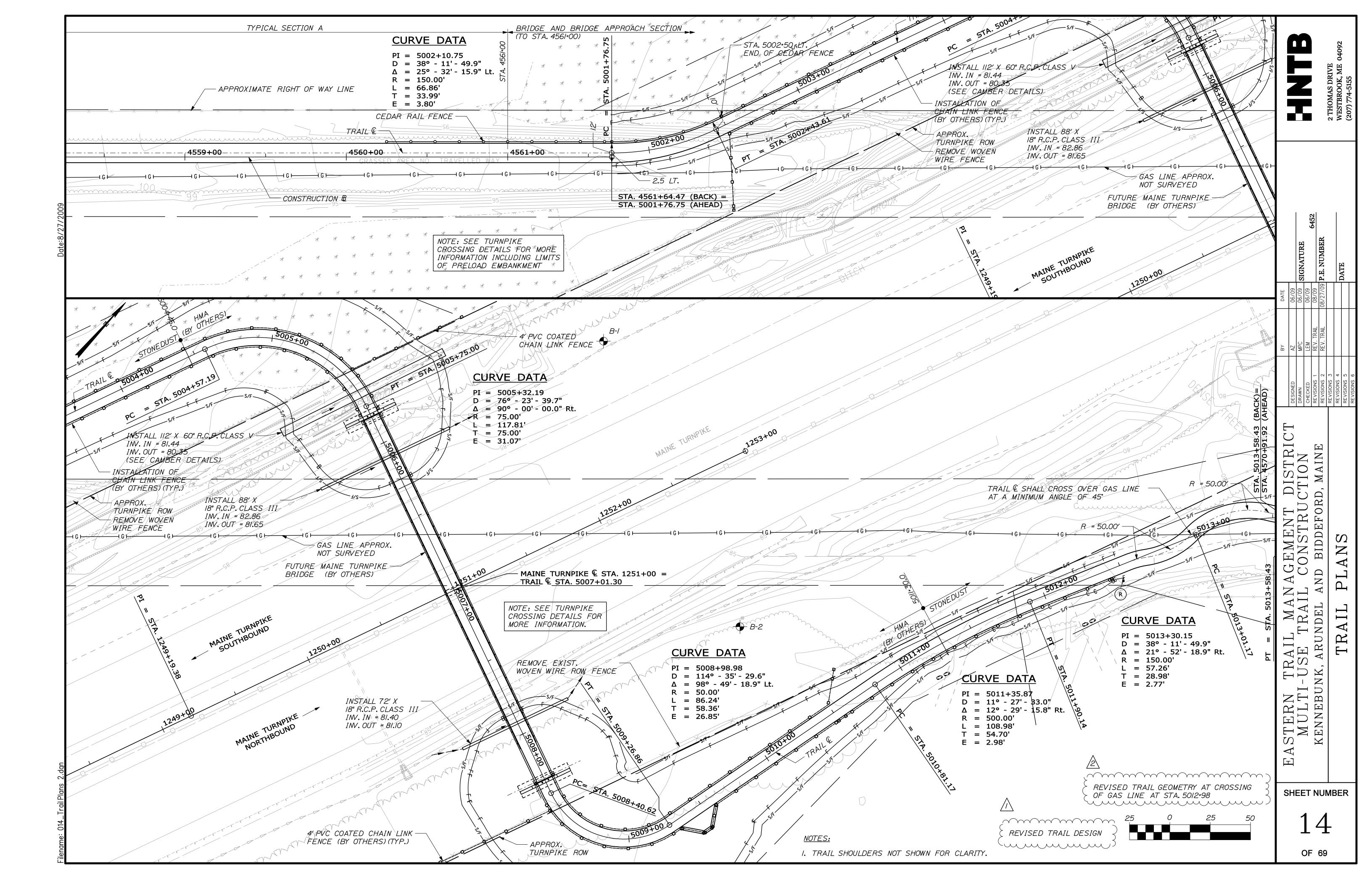
* 2" * STOP * 4' (Min.) 5' (Max.)	SECURE SIGN WITH TWO 2-1/2" X 5/16" BOLTS WITH VANDAL-PROOF NUTS	2 THOMAS DRIVE	WESTBROOK, ME 04092 (207) 774-5155
ADE 42" Min. ELEVATION SIDE E TRAIL SIGN N.T.S.	tevation	DESIGNED DRAWN CHECKED REVISIONS REVISIONS	REVISIONS 3 DATE REVISIONS 4 DATE REVISIONS 6 DATE
P W1-1L V V YELLOW BLACK 18 18 2.25	Q W1-3R Image: Constraint of the second sec	EASTERN TRAIL MANAGEMENT DISTRICT MULTI-USE TRAIL CONSTRUCTION Kennebunk, arundel and biddeford, maine	SIGNING DETAILS
		SHEET NUM	IBER
		12	,

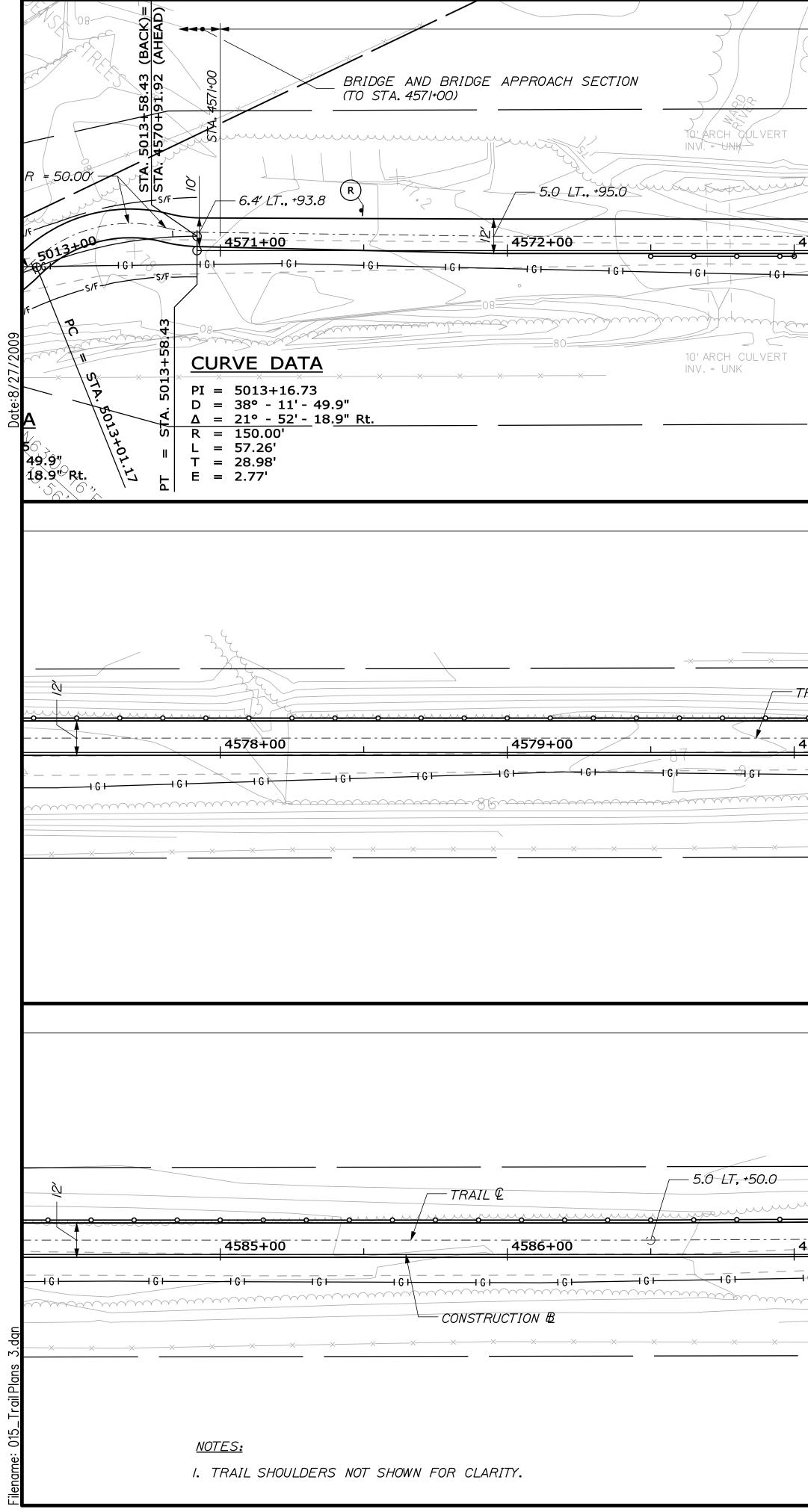
OF 69



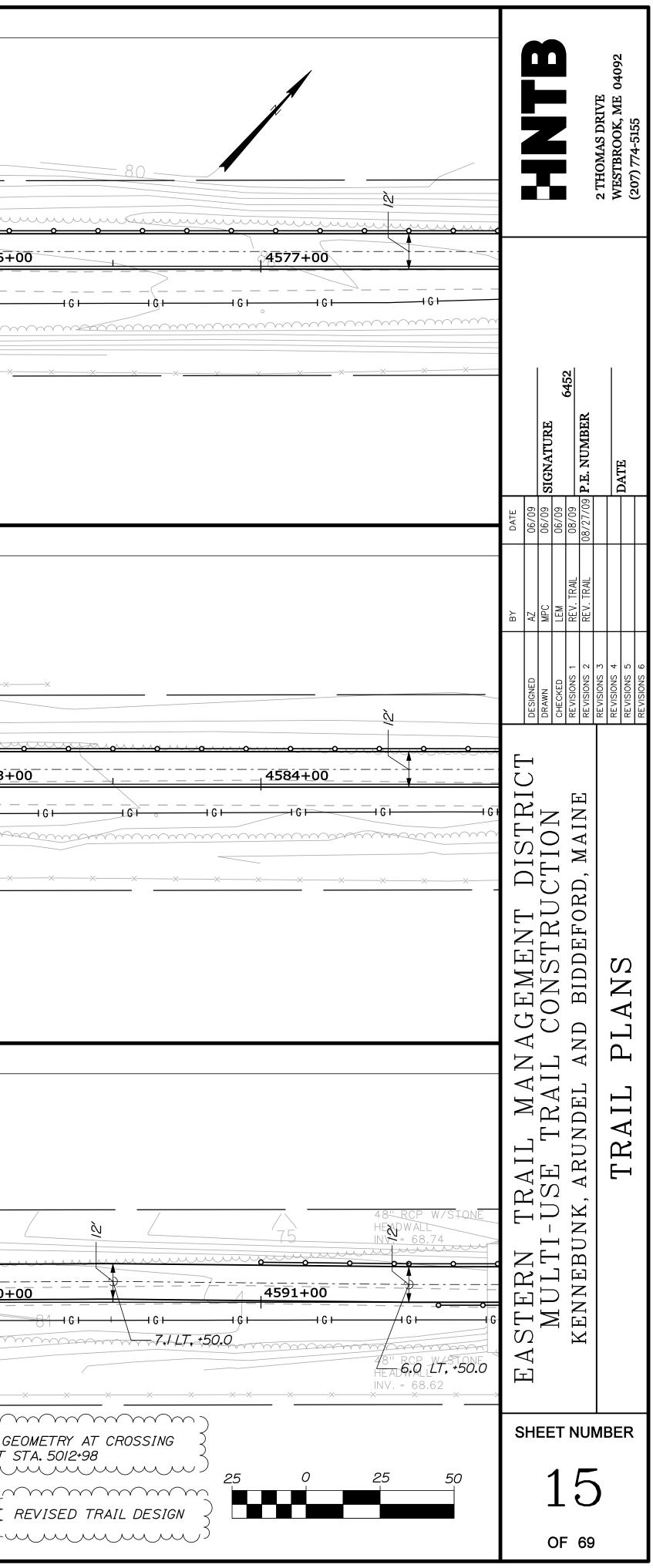
	OSS SECTIONS AND PROFILE CURVE DATA	
	$\frac{PC = STA. A 4540+95.98}{WARDRAIL} D = 11^{\circ} - 27' - 33.0" \\ \Delta = 4^{\circ} - 12' - 35.2" Lt. \\ R = 500.00' \\ L = 36.74 PT = A STA. 4541+32.71 \\ T = 18.37' \\ T = 18.37' \\ F = 0.34' \\ CMP $	LAS DRIVE ROOK, ME 0409 4-5155
A SEE WEET MUR PAR ELSEN A SECTION A	$\frac{4549400}{547 + 61 - 547 + 51} + \frac{3541 + 00}{547 + 542 + 00} + \frac{4542 + 00}{547 + 61 - 61 - 61 - 61 - 61 - 61 - 61 - 61$	6452 R
REDURTE STREM FIELD School (Strem) School (SEE TYPICAL SECTIONS AND GENERAL NOTES. T = 334.52 F = 3.25'	DATH
NUMBER STA. 455/-40, LT Substance S	TYPICAL SECTION D	■ DATE DATE 06/0
Address responses of the second of the secon	INSTALL 12'x24" CULVERT OPTION III WITH CONCRETE COLLAR is REMOVE EXIST.CONCRETE HEADWALL RIPRAP INLET	BY AZ MPC LEM REV. TRAIL
Address Addres Address Address	ADJUST PER SPECIAL 24" CULVERT	DESIGNED DRAWN CHECKED REVISIONS 1 REVISIONS 2 REVISIONS 3 REVISIONS 5 REVISIONS 5
197PICAL SECTION A NTYPICAL SECTION A 1100000000000000000000000000000000000	4547+00 10 14548+00 1 14549+00 161	GEMENT DISTR CONSTRUCTION D BIDDEFORD, MAIN LANS
$\frac{25 0 25 50}{13}$	4554+00 161 161 161 161 161 161 161 1	ASTERN TRAIL MAN MULTI-USE TRAIL Kennebunk, arundel a TRAIL F
		SHEET NUMBER
(ununu) OF 69	REVISED TRAIL DESIGN	13 of 69

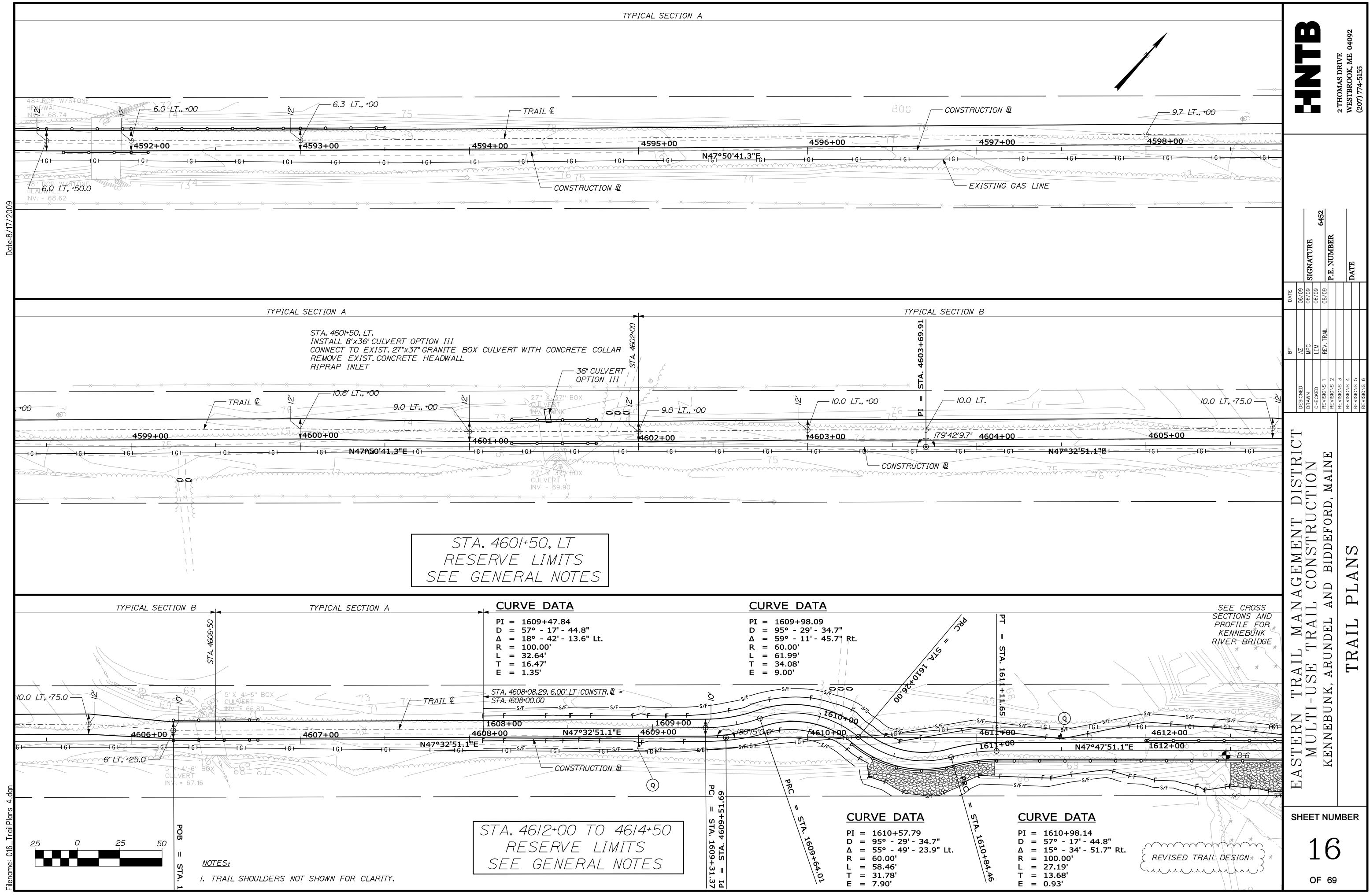
SS SECTIONS AND PROFILE CURVE DATA		
$\begin{array}{c ccccccccccccccccccccccccccccccccccc$		2 THOMAS DRIVE WESTBROOK, ME 04092 (207) 774-5155
$\frac{10 - 51}{557} = 4541+50$ $\frac{10 - 51}{557} = 51$ $\frac{10 - 51}{57} = 51$	NATUR	P.E. NUMBER
TYPICAL SECTION D		
STA. 4551+40, LT. INSTALL 12'x24" CULVERT OPTION III WITH CONCRETE COLLAR REMOVE EXIST. CONCRETE HEADWALL RIPRAP INLET ADJUST PER SPECIAL PROVISION SECTION 610 24" CULVERT	BY AZ MPC LEM REV. TRAIL	
$\begin{array}{c c c c c c c c c c c c c c c c c c c $	SIGNED RAWN FECKED	EVISIONS 2 EVISIONS 3 EVISIONS 4 EVISIONS 5 EVISIONS 6
S47+00 14549+00 1 14549+00 14550+00 14551+00 14551+00 160	AGEMENT DISTRICT CONSTRUCTION	LANS
TYPICAL SECTION A 1	EASTERN TRAIL MANA MULTI-USE TRAIL Kennerink arundel an	TRAIL F
	SHEET NU	UMBER
REVISED TRAIL DESIGN	1: OF 6	3 ³⁹





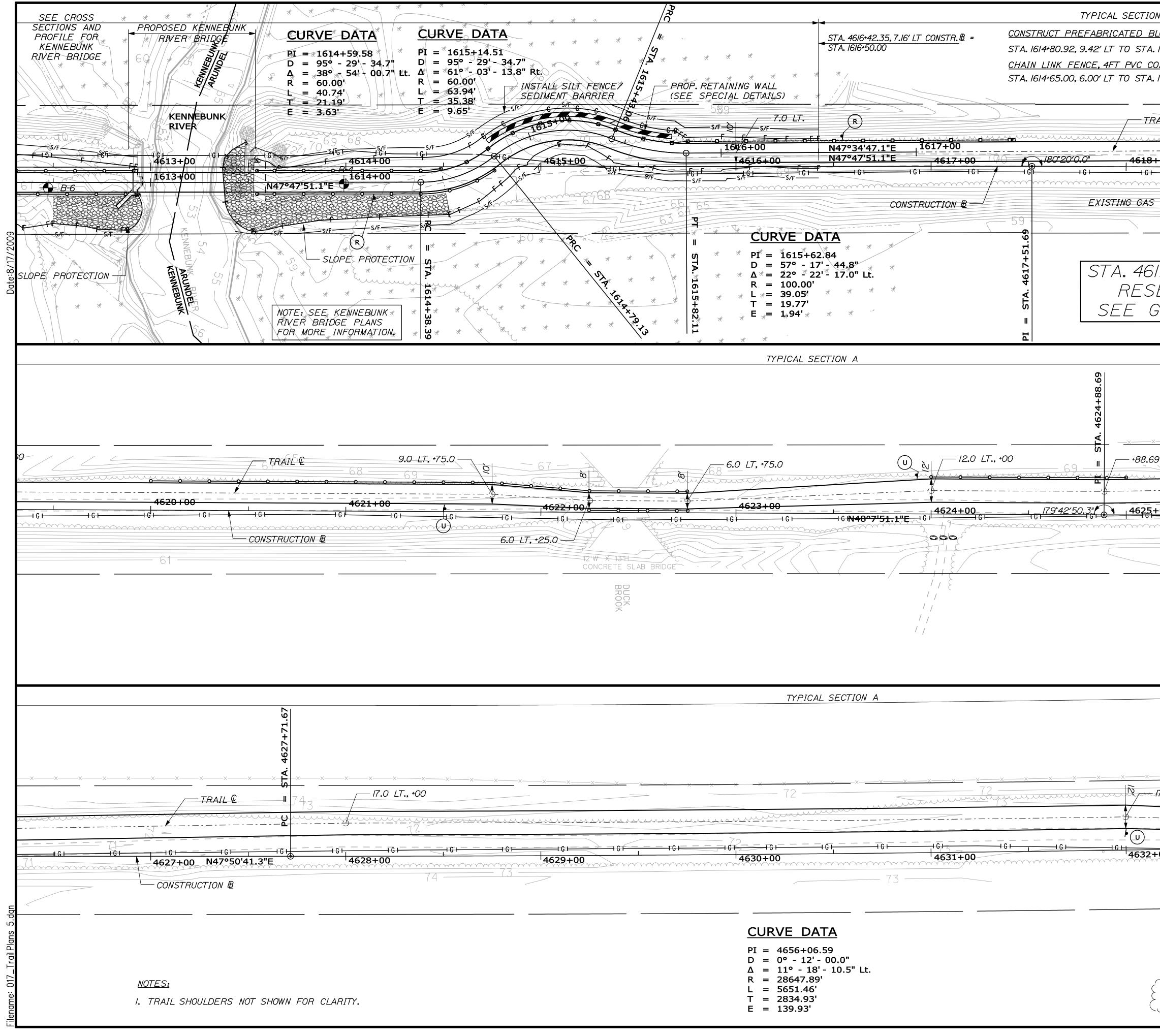
	TYPICAL SECTION A						
<u></u> <u>Sl</u>		-08					
many	mann	TRAIL					
				mann	anna		
573+00N47°50'41.3				4575+00			4576+
	GH			<u></u>			
	CONSTRI	ICTION B			I G I	I G I	
Magazin Marin 08					XISTING GAS LI		
	80				×X		XX
xxx	XXXX	XX	-xx	<u> </u>	<u> </u>		
-							
	TYPICAL SE	ECTION A					
xx_8/x	XXX	XX>	<xx< td=""><td>XX</td><td>××</td><td>-x</td><td><u> </u></td></xx<>	XX	××	-x	<u> </u>
RAIL & 84							
<u> </u>	<u>00000</u>	LANGULL MOL				<u> </u>	
580+00	4581+00			4582+00			4583+
	4381700	N47¦°50'	41.5 <u>C</u>	4382±00			43634
				<u> </u>		G 	- I G I
	W T T T T T T T T T T T T T T T T T T T						
	82			- CONSTRUCTION	B		
	XX	XX	×	< <u> </u>	-×	XX	XX
				~			
TYF	PICAL SECTION A	/	<u>}</u>	7. 			
			310/1				
NOTE, SEL	E EMMONS RD	5	3, 2, 18	2			
CROSSING	DETAILS FOR		SIL IE				
MORE INF	FORMATION.		JP 18				
		A	CHO CHE	— TRANSITION SH ROAD TO MAIN	HOULDERS TO TAIN TRAIL CRO	SSING	
	7		T				
	k		3/2/ 4				
		Jun d					
		~=.=	/_/		==========		
587+00 N47°50'41.3"E	4588+00	7-		4589+00			4590+
GHIGHIGH				161 161	+G		
			1				
××-		R L SI					
-xxxxx		NO TEL	× / /**	<u>xx</u> x		××	×
	Sr. M.	REAL					
	STANDING MATING					REVISED	TRAIL GI LINE AT
	K I	NA A			Z	UF GAS	
		(NON-MAINSV		- EXIST.GATE TO REMAIN		-	$\bigwedge \bigcirc$
		E N N N N N					$\square $
		(NC					(



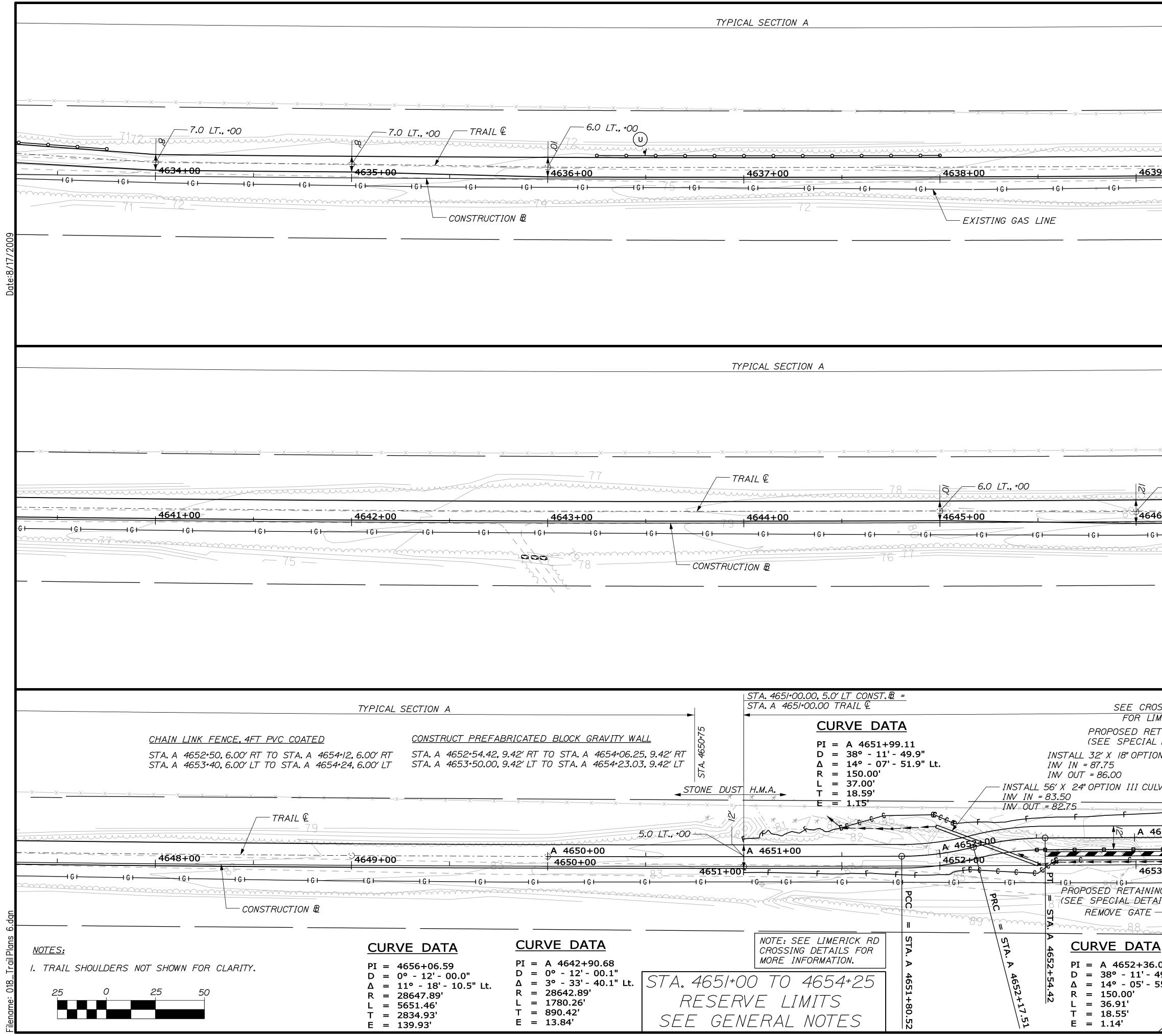


A. 460/+50, LT
SERVE LIMITS
GENERAL NOTES

CURVE DATA	CURVE DATA
PI = $1609+47.84$ D = $57^{\circ} - 17' - 44.8''$ $\Delta = 18^{\circ} - 42' - 13.6''$ Lt. R = $100.00'$ L = $32.64'$ T = $16.47'$ E = $1.35'$	$PI = 1609+98.09$ $D = 95^{\circ} - 29' - 34.7"$ $\Delta = 59^{\circ} - 11' - 45.7" Rt.$ $R = 60.00'$ $L = 61.99'$ $T = 34.08'$ $E = 9.00'$ S/F S/F S/F S/F S/F O
STA. 4608+08.29, 6.00' LT CONSTR. B = STA. 1608+00.00 S/F S/F S/F S/F S/F 1608+00 LT CONSTR. B = S/F F F F F F F F F F F F F F F F F F F	F F 1610+00 09+00
$E - \frac{F}{1GF} + $	$\frac{10^{10}}{10^{10}}$
STA. 4612+00 TO 4614+50 RESERVE LIMITS SEE GENERAL NOTES	$\begin{array}{c ccccccccccccccccccccccccccccccccccc$

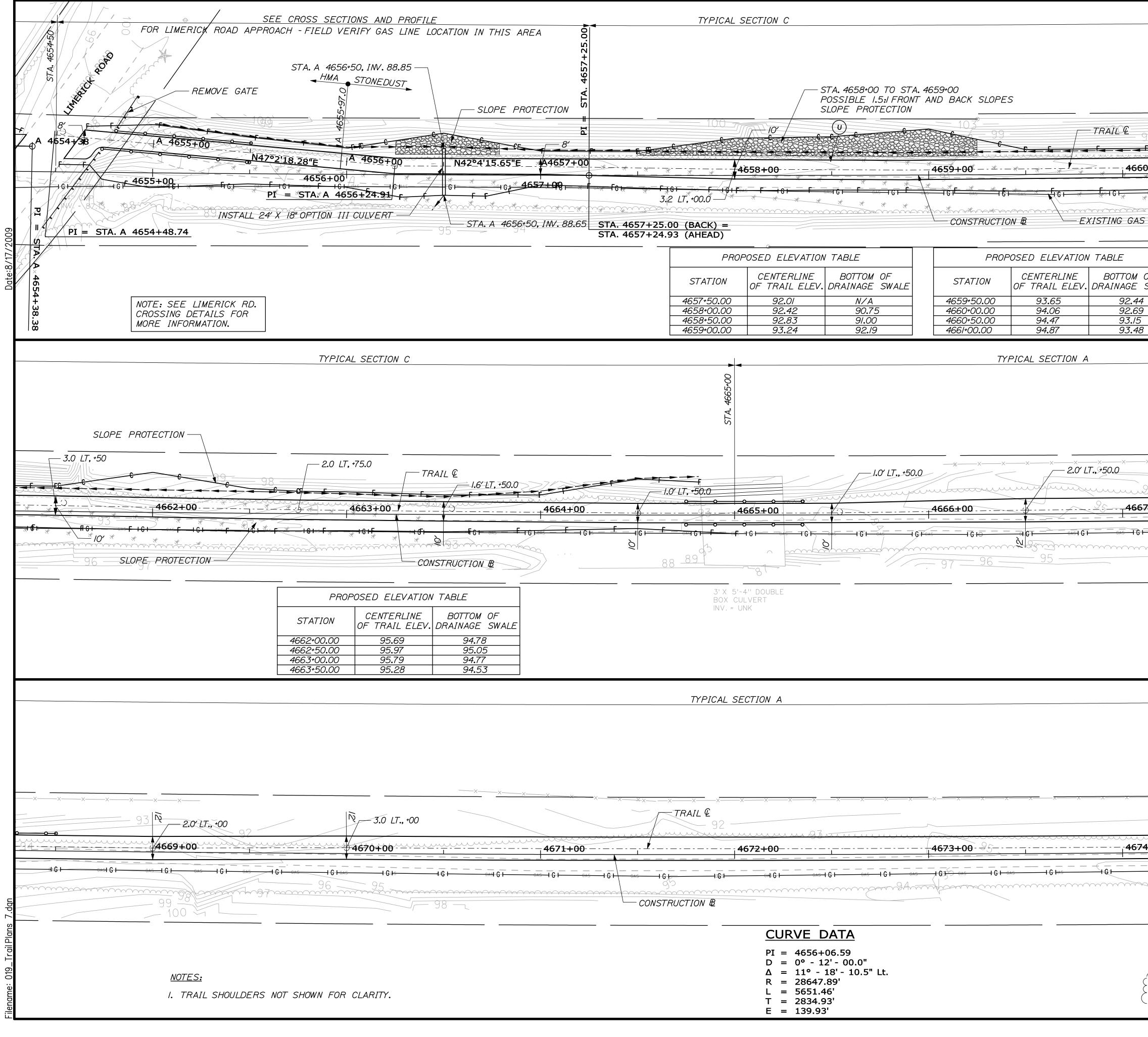


N A <u>LOCK GRAVITY WALL</u> 1615+76.20, 9.42' LT <u>DATED</u> 1617+50.00, 6.00' LT AIL € 9.0 LT., +00						2 THOMAS DRIVE	WESTBROOK, ME 04092	(207) 774-5155
100 <u>1 N48°7'51.1"E</u> 161 161 161 161 161 161 <i>LINE</i> <i>LINE</i> <i>LINE</i> <i>LINE</i> <i>LINE</i> <i>LINE</i> <i>LINE</i> <i>LINE</i> <i>SENERAL NOTES</i>	DATE	06/09	06/09 SIGNATURE	06/09 08/00 6452	P.E. NUMBER		DATE	
	ВҮ			LEM DEV TDAI				
<u> </u>		DESIGNED	DRAWN	CHECKED REVISIONS 1			REVISIONS 4 REVISIONS 5	
<u>+00</u>	TATATA TRANCTATATA		NOITTIIATSNOT		AND BIDDEFORD, MAINE		PLANS)
	TANTEN TANTAN	$I \Gamma A I L$	MITTTL-IISE TRAIT		KENNEBUNK, ARUNDEL A		TRAIL	י
	S	H					BEF	2
REVISED TRAIL DESIGN				1 DF	•			

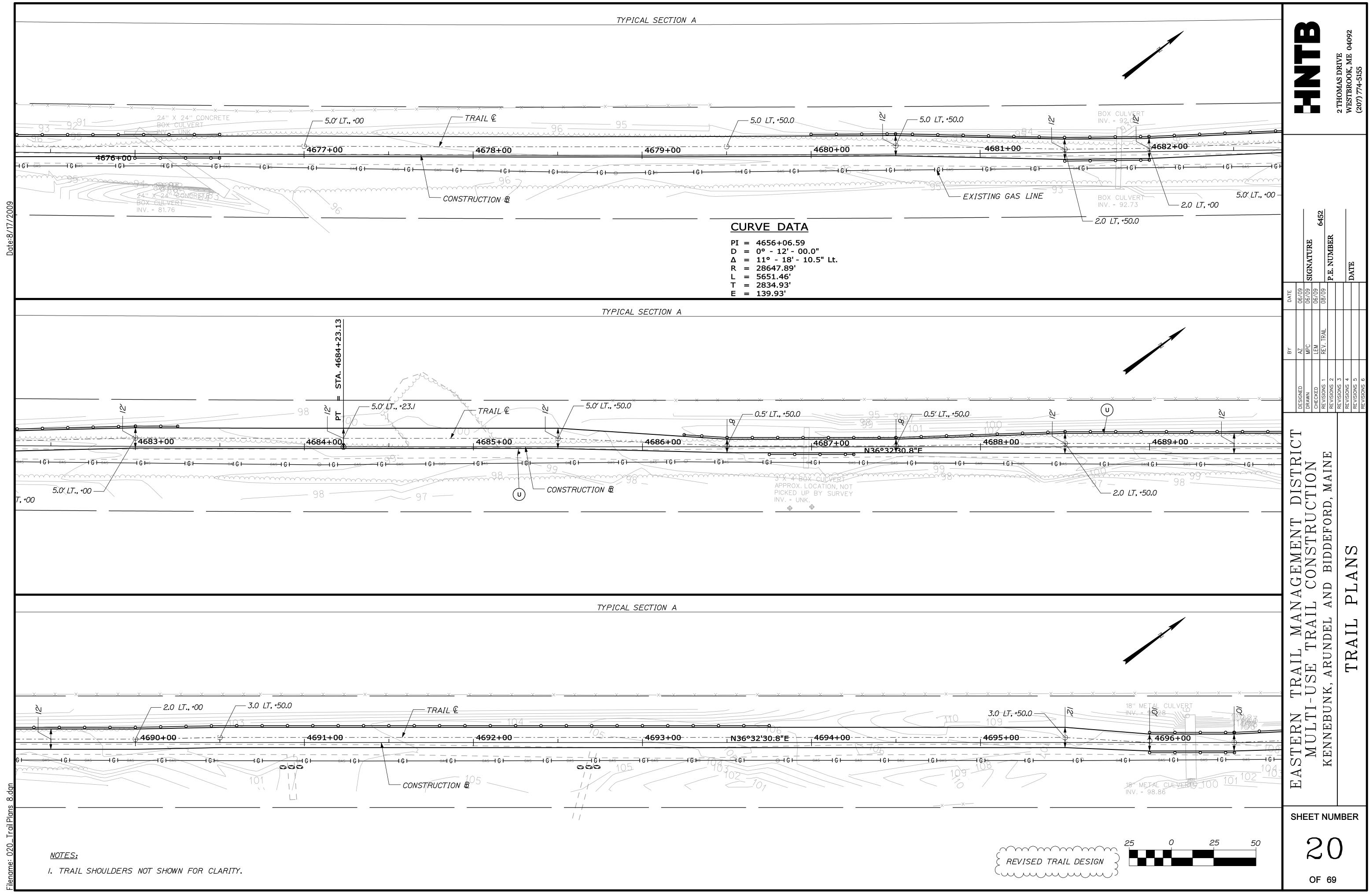


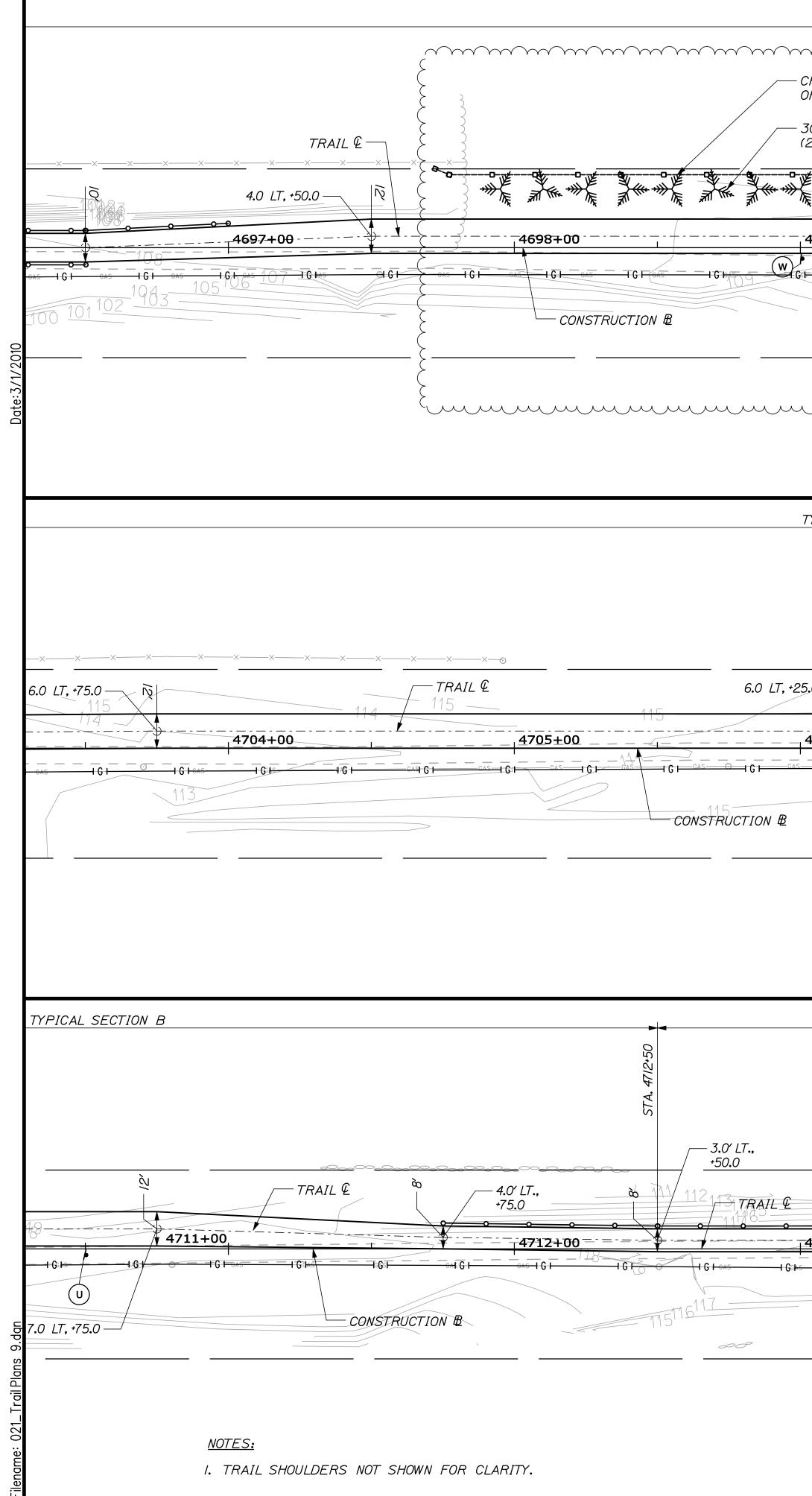
TTTICAL SECTION F	TYPICAL	SECTION	A
-------------------	---------	---------	---

TYPICAL SECTION A	2 THOMAS DRIVE WESTBROOK, ME 04092 (207) 774-5155
EXISTING GAS LINE _	25
	DATE 06/09 06/09 06/09 08/09 P.E.NUMBER 645 645 645
TYPICAL SECTION A	RAIL
	BY AZ MPC LEM REV. T
	DESIGNED DRAWN CHECKED REVISIONS 1 REVISIONS 2 REVISIONS 3 REVISIONS 4 REVISIONS 6 REVISIONS 6
$1643+00 \qquad 14644+00 \qquad 14645+00 \qquad 14646+00 \qquad 14647+00 \qquad 161 $	GEMENT DISTRICT CONSTRUCTION D BIDDEFORD, MAINE LANS
$\begin{array}{c c c c c c c c c c c c c c c c c c c $	STERN TRAIL MANA(MULTI-USE TRAIL C Kennebunk, arundel and TRAIL PL
$\begin{array}{c c c c c c c c c c c c c c c c c c c $	EA
E DATA	SHEET NUMBER
$\begin{array}{c} P = 12 + 30.06 \\ P = 12' - 00.1'' \\ P = 33' - 40.1'' \text{ Lt. } \\ STA. 465/+00 \ TO \ 4654+25 \\ B642.89' \\ \end{array}$	18
$\begin{array}{c cccc} 8642.89' \\ 780.26' \\ 90.42' \\ 3.84' \end{array} & \begin{array}{ccccccccccccccccccccccccccccccccccc$	OF 69

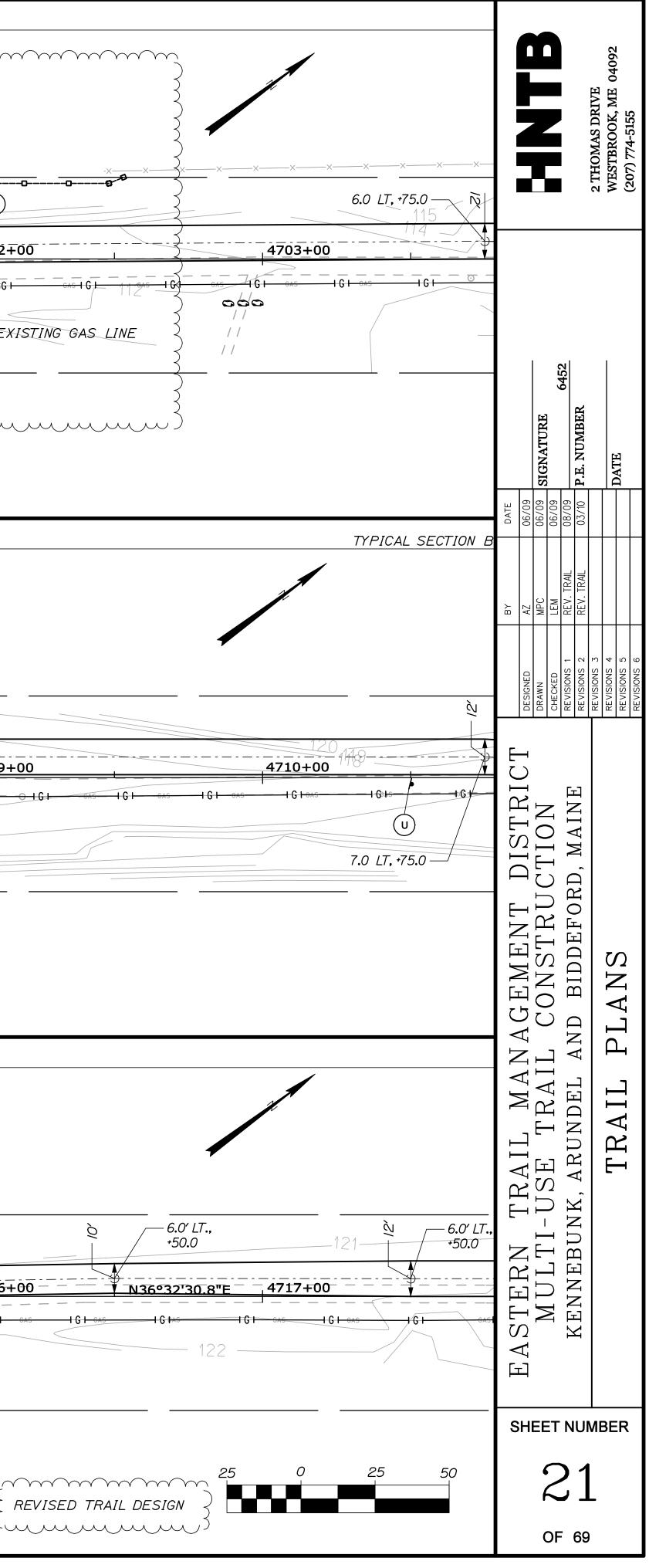


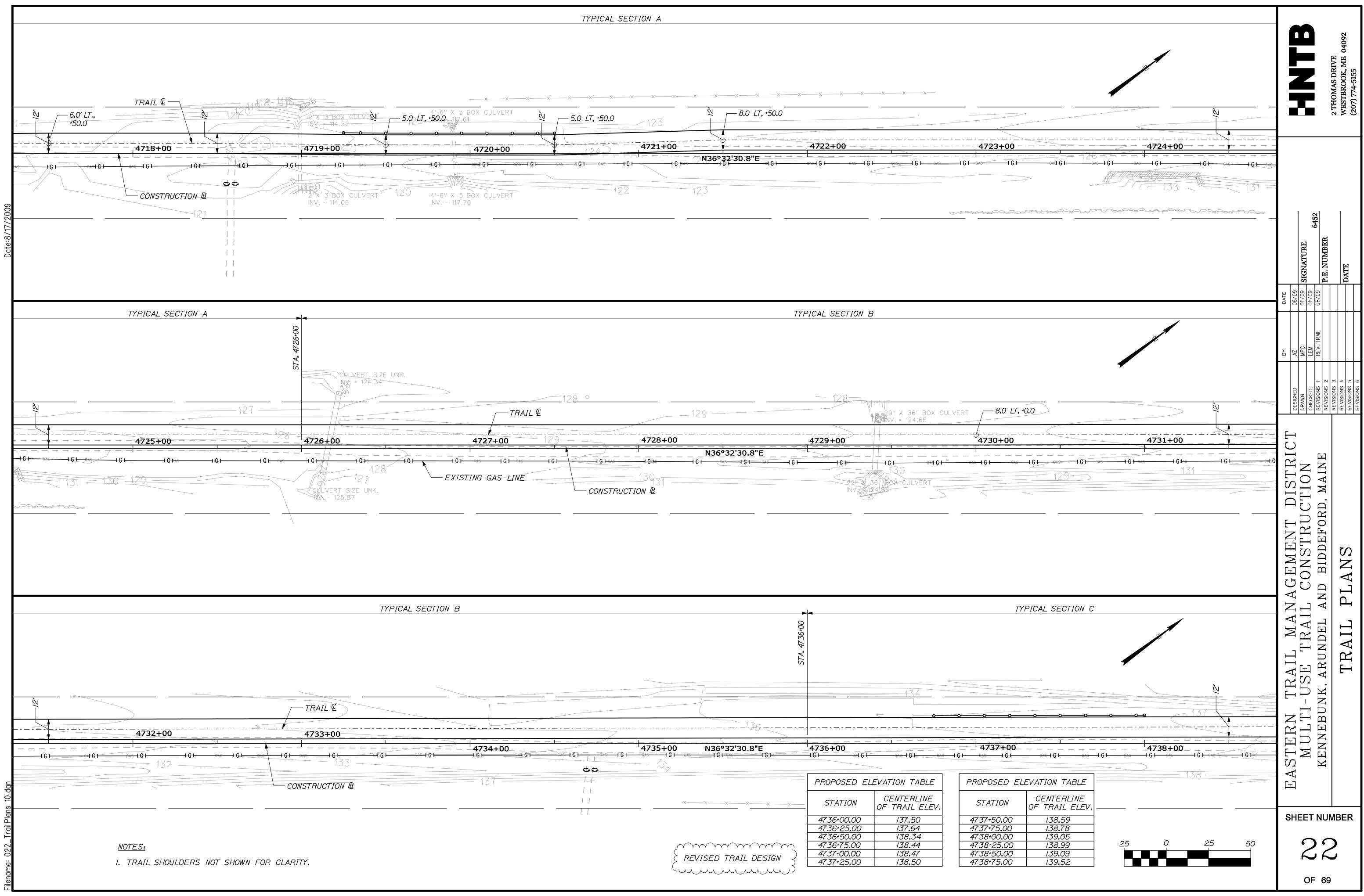
	103 101 102 7 7 7 7		2 THOMAS DRIVE WESTBROOK, ME 04092 (207) 774-5155
HEEVISED TRAIL DESIGN	+00	SIGNATURE P.E. NUMBER	DATE
19 19 10 10 10 10 10 10 10 10 10 10		TRAIL	
A CONSELVISED TRAIL DESIGN	xx		
SHEET NUMBER REVISED TRAIL DESIGN		TRAIL MANAGEMENT I-USE TRAIL CONSTRU UNK, ARUNDEL AND BIDDEFOR	
REVISED TRAIL DESIGN		ΕA	1BER
· · · · · · · · · · · · · · · · · · ·		19	





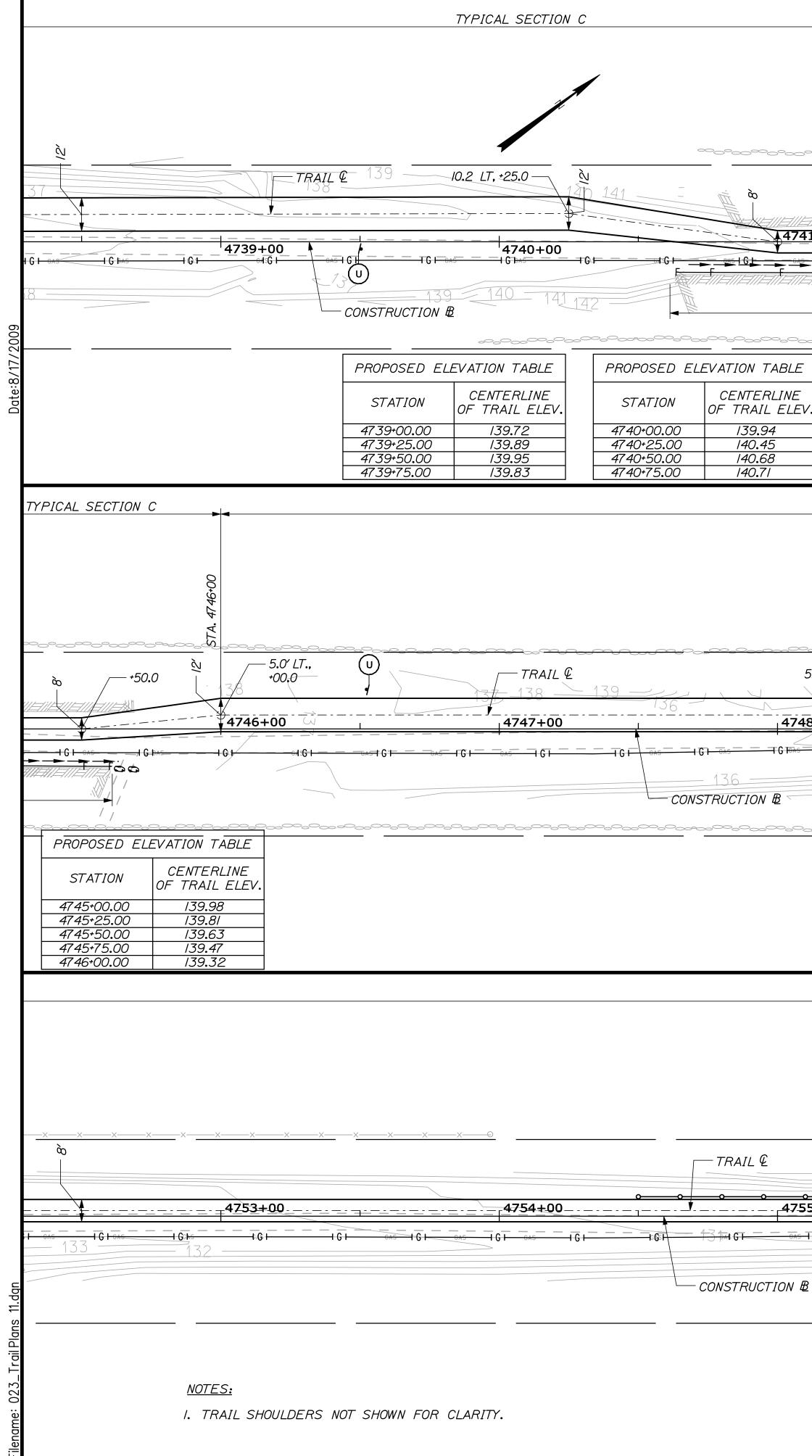
TYPICAL SECTION A	
CHAIN LINK FENCE - 4 FT DEFSET 2' FROM PROPERTY LINE	
300' PROP. CONIFEROUS SCREENING	
2/ EASTERN ARBORVITAE - SEE SECTION 62/) <u><u><u>x</u></u><u><u>y</u><u>y</u><u>y</u><u>y</u><u>y</u><u>y</u><u>y</u><u>y</u><u>y</u><u>y</u><u>y</u><u>y</u><u>y</u><u>y</u><u>y</u><u>y</u><u>y</u><u>y</u><u>y</u><u>y</u><u>y</u><u>y</u><u>y</u><u>y</u><u>y</u><u>y</u><u>y</u><u>y</u><u>y</u><u>y</u><u>y</u><u>y</u><u>y</u><u>y</u><u>y</u><u>y</u><u>y</u><u>y</u><u>y</u><u>y</u><u>y</u><u>y</u><u>y</u><u>y</u><u>y</u><u>y</u><u>y</u><u>y</u><u>y</u><u>y</u><u>y</u><u>y</u><u>y</u><u>y</u><u>y</u><u>y</u><u>y</u><u>y</u><u>y</u><u>y</u><u>y</u><u>y</u><u>y</u><u>y</u><u>y</u><u>y</u><u>y</u><u>y</u><u>y</u><u>y</u><u>y</u><u>y</u><u>y</u><u>y</u><u>y</u><u>y</u><u>y</u><u>y</u><u>y</u><u>y</u><u>y</u><u>y</u><u>y</u><u>y</u><u>y</u><u>y</u><u>y</u><u>y</u><u>y</u><u>y</u><u>y</u><u>y</u><u>y</u><u>y</u><u>y</u><u>y</u><u>y</u><u>y</u><u>y</u><u>y</u><u>y</u><u>y</u><u>y</u><u>y</u><u>y</u><u>y</u><u>y</u><u>y</u><u>y</u><u>y</u><u>y</u><u>y</u><u>y</u><u>y</u><u>y</u><u>y</u><u>y</u><u>y</u><u>y</u><u>y</u></u></u>	0
	W
4699+00 4701+00 4701+00 N36°32'30	4702- .8"E
TIMBER GUARDRAIL, LIMITS SHALL BE	E,
mmmmmmmmmmmmmmmmmmmmmmmmmmmmmmmmmmmmmm	, marine in the second
TYPICAL SECTION A	►
STA. 4707+50, LT. REPAIR EXISTING GRANITE BOX CULVERT.	4709+00
EXTEND EXIST.WALLS 15". INSTALL 6' x 6' x 8" CONCRETE SLAB OVER CULVERT. RIPRAP INLET. SEE SPECIAL DETAILS.	STA. 41
4.0' LT., +25.0 Q 4' X 4' BOX QU/VER+75.0 7.0 LT, +75.0	į —
	4700
$4706+00\sqrt[7]{$	4709-
4' X <u>14' BOX CÚLVERT</u> INVI = 110.20	
STA. 4707+50, LT.	
RESERVE LIMITS	
SEE GENERAL NOTES	
TYPICAL SECTION	
	<u>A</u>
NOTE: SEE HIDDEN MEADOWS ROAD CROSSING DETAILS FOR MORE INFORMATION.	
NOTE: SEE HIDDEN MEADOWS ROAD CROSSING DETAILS FOR MORE INFORMATION.	
3.0° LT., <u>+50</u> .0	
<u>4713+00</u> 4715+00 4715+00	4716
DOUBLE 24"	GI GAS IGI
INV. = UNK. APPROX. LOCATION REMOVE GATE	
NOT PICKED UP BY THE MOVE GATE 3.0'LT., 50.0 J	
EN MEADOWS	
HIDDEN MEROOMS	Ę
	Ç





TYPICAL	SECTION	Α
ITT ICAL	320110M	

_A. 4736+00		
PROPOSED	ELEVATION TABLE	PROPOS
	CENTERLINE OF TRAIL ELEV.	STATI
4736+25.00 4736+50.00 4736+75.00 4737+00.00	37.50 37.64 38.34 38.44 38.47 38.50	4737+50 4737+75 4738+00 4738+25 4738+50 4738+50
	YS '30.8"E 4736+00 IGHS +GH PROPOSED STATION 4736+00.00 4736+00.00 4736+50.00 4736+50.00 4736+75.00 4737+00.00 4737+25.00	Y30.8"E 4736+00 135 161+ 161+ 161+ 17.64 17.64

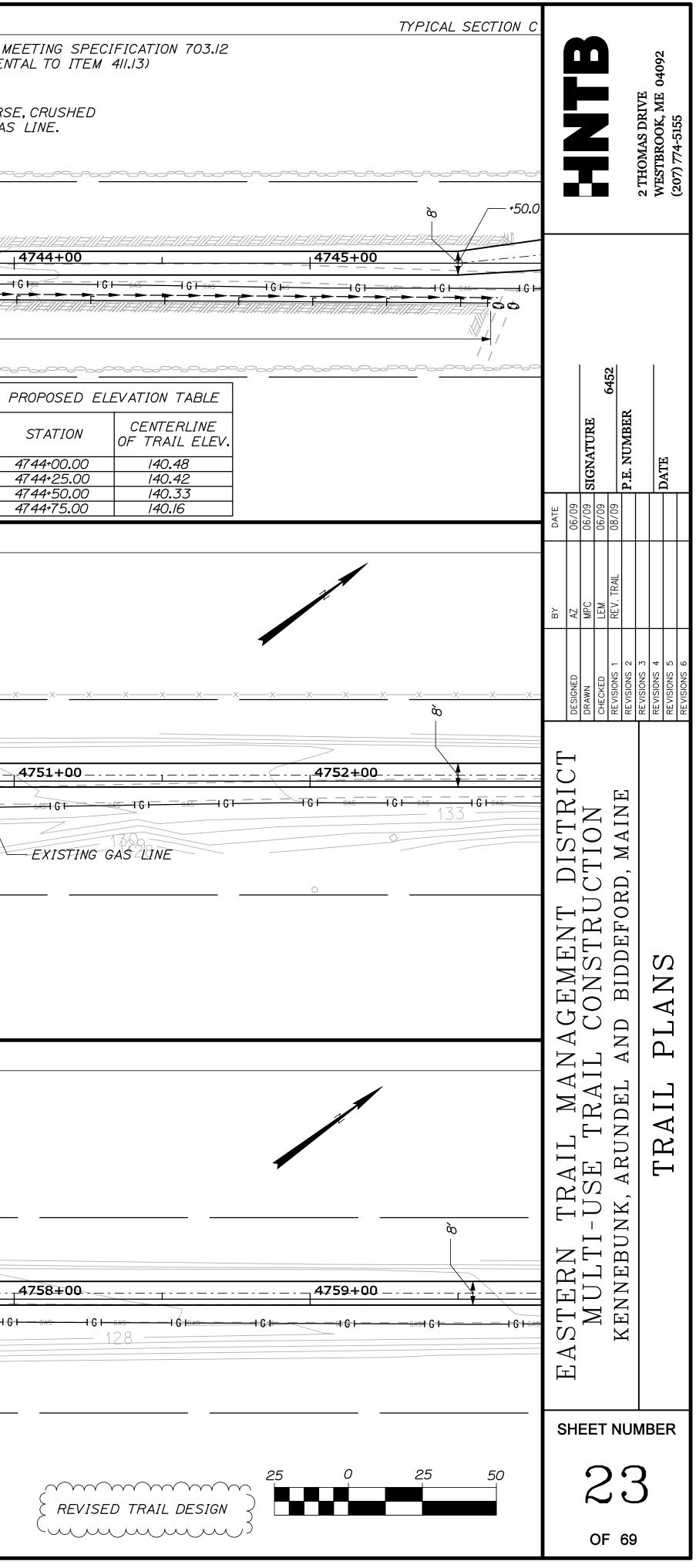


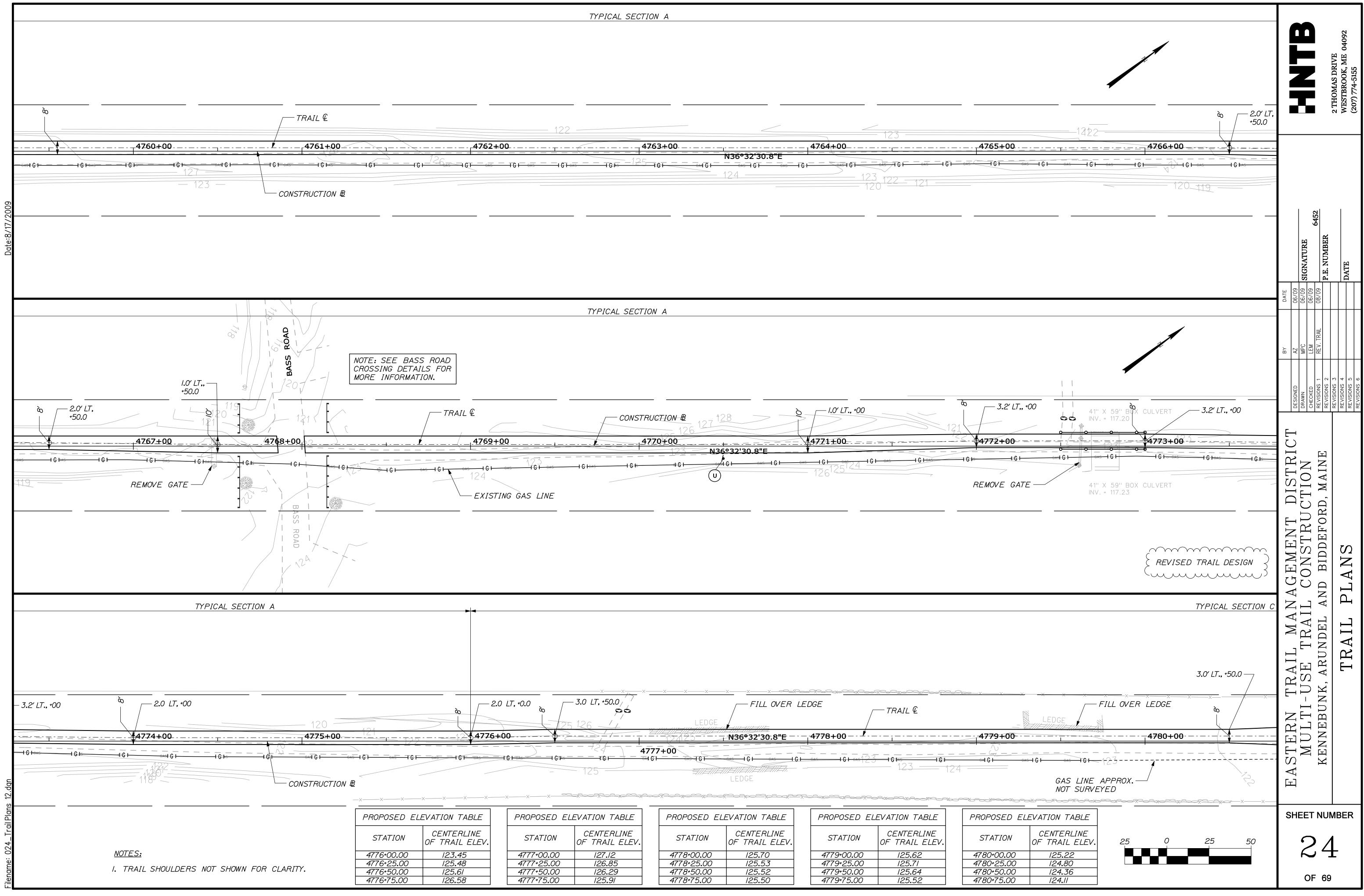
5°-00-00			(IST.GAS MAIN (I RIES,DEPTH UN		(PAYMEN LEDGE EXTEND AU TO LEDGE	HED STONE SURFAC T CONSIDERED INC GGREGATE BASE CO TO ADD FILL OVER	DENTAL TO
	0			N36°32'30.8"E → C1 → → → C1 → → C1 → → → → 1 G1 → EDGE	4743+00 +4743+00 		
ABLE	PROPOSED E	LEVATION TABLE		LEVATION TABLE			PROPOS
LINE ELEV. 4 3	STATION 4741+00.00 4741+25.00 4741+50.00 4741+75.00	CENTERLINE OF TRAIL ELEV. 140.83 140.80 140.77 140.74	STATION 4742+00.00 4742+25.00 4742+50.00 4742+75.00	CENTERLINE OF TRAIL ELEV. 140.70 140.67 140.64 140.61	STATION 4743+00.00 4743+25.00 4743+50.00 4743+75.00	CENTERLINE OF TRAIL ELEV. 140.57 140.54 140.51 140.50	STAT 4744+00 4744+25 4744+50 4744+50
		TYPICAL SE				, , , , , , , , , , , , , , , , , , , ,	

5.0 *LT, +*50.0 — עמו 2.0 LT,+50.0 — _4749±00 _**4748+00** _ - _ - _ - _ - _ - _ N36°32'30.8"E ₱(U) - | G | -

TYPICAL SECTION A

124 <u>4753+00</u> N36°32'30.8"E

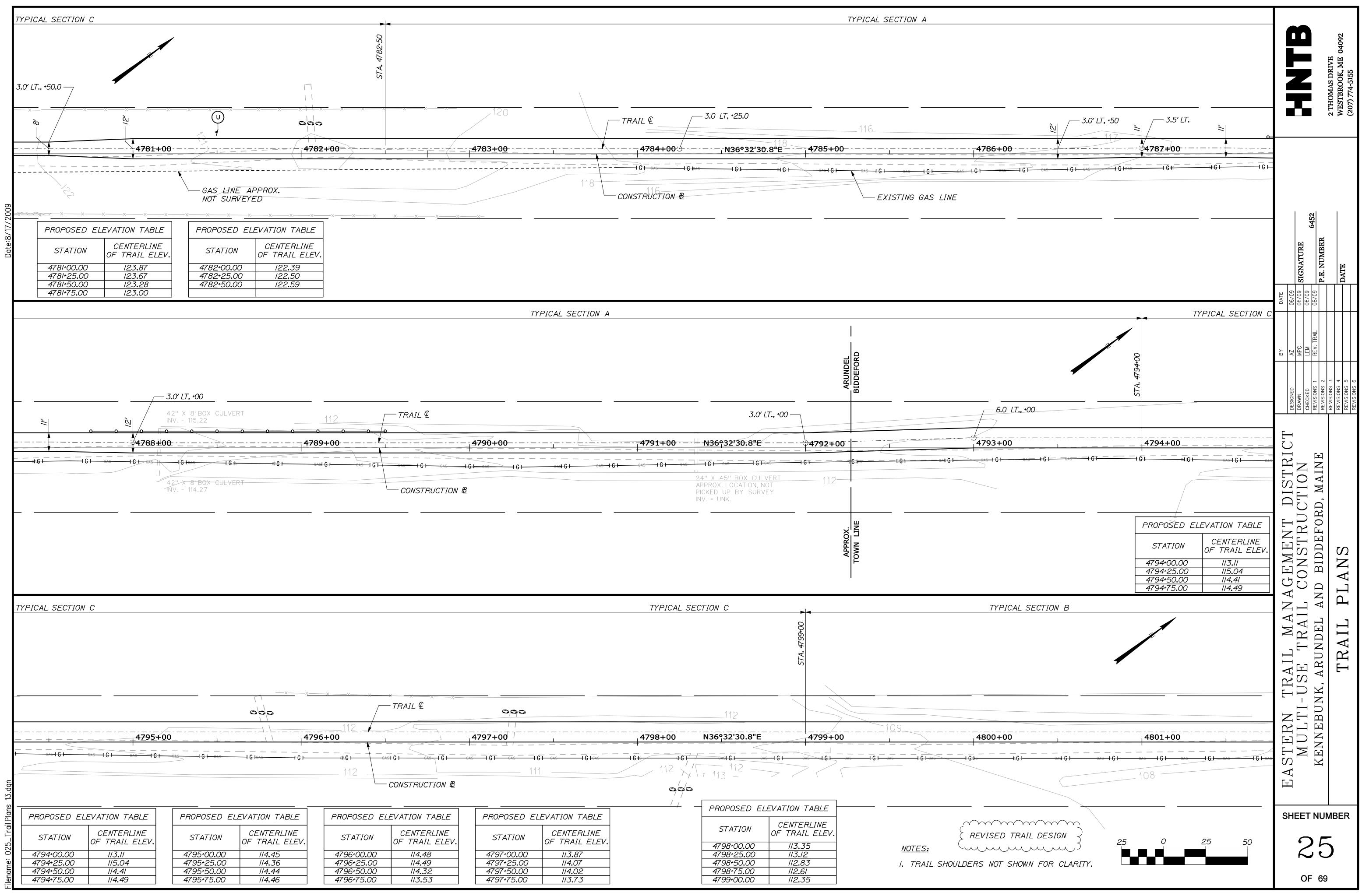




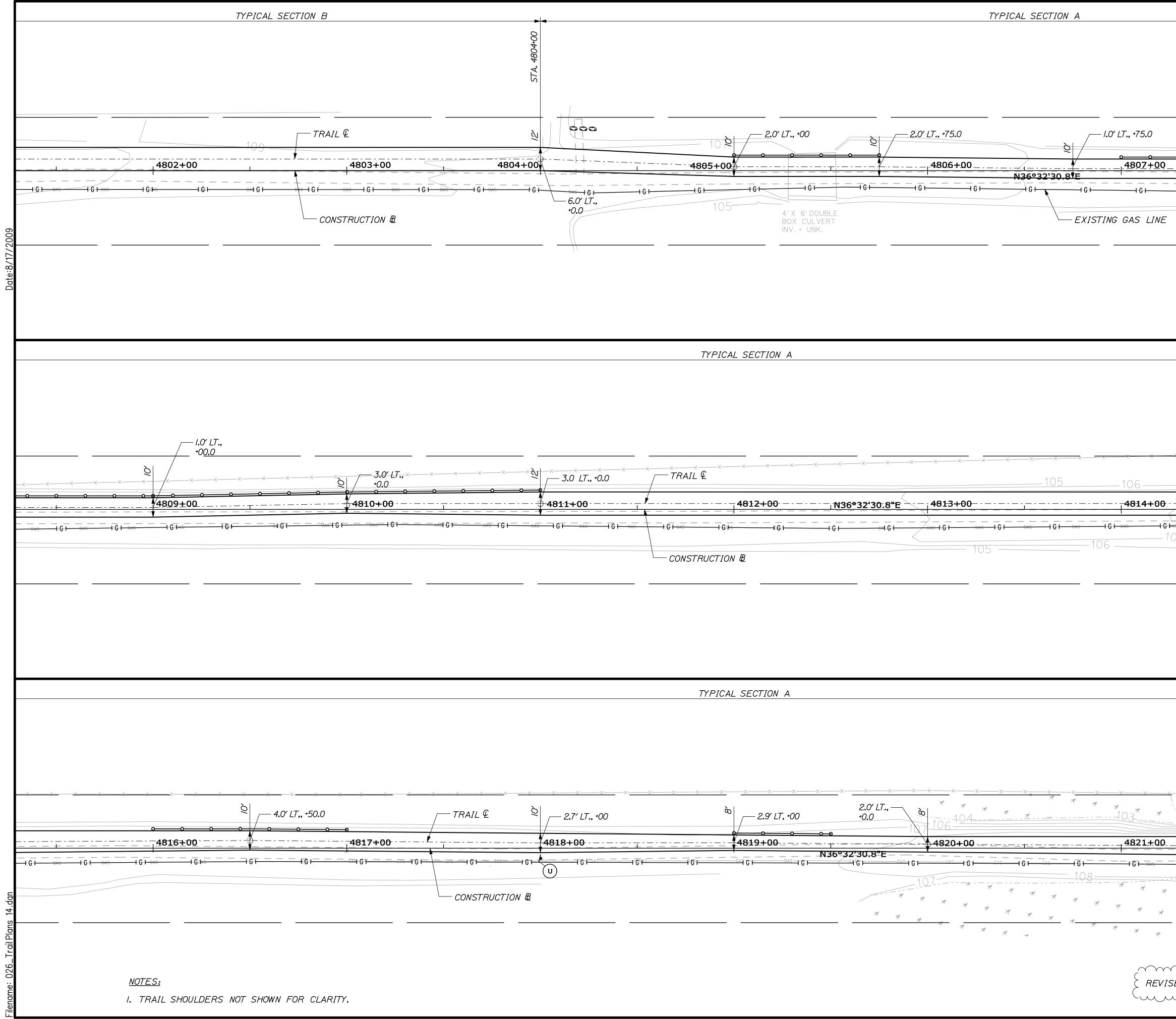
TYPICAL	SECTION	Α
		•••

	- 122			123 -	
4762+00		4763+00		4764+00	4765 <u>+</u>
			N36°32'30.8"E = = = = = = = = = = = = = = = = = = =	123 120	

BLE	PROPOSED EL	EVATION TABLE		PROPOSED EL	EVATION TABLE	PROPOSED EL	EVATION TABLE	ſ	PROPOSE
INE ELEV.	STATION	CENTERLINE OF TRAIL ELEV.		STATION	CENTERLINE OF TRAIL ELEV.	STATION	CENTERLINE OF TRAIL ELEV.		STATIO
	4777+00.00	127.12		4778+00.00	125.70	4779+00.00	125.62	F	4780+00
	4777+25.00	/26.85		4778+25.00	125.53	4779+25.00	125.71	ľ	4780+25
	4777+50.00	126.29		4778+50.00	125.52	4779+50.00	125.64		4780+50
	4777+75.00	125.91		4778+75.00	125.50	4779+75.00	125.52		4780+75

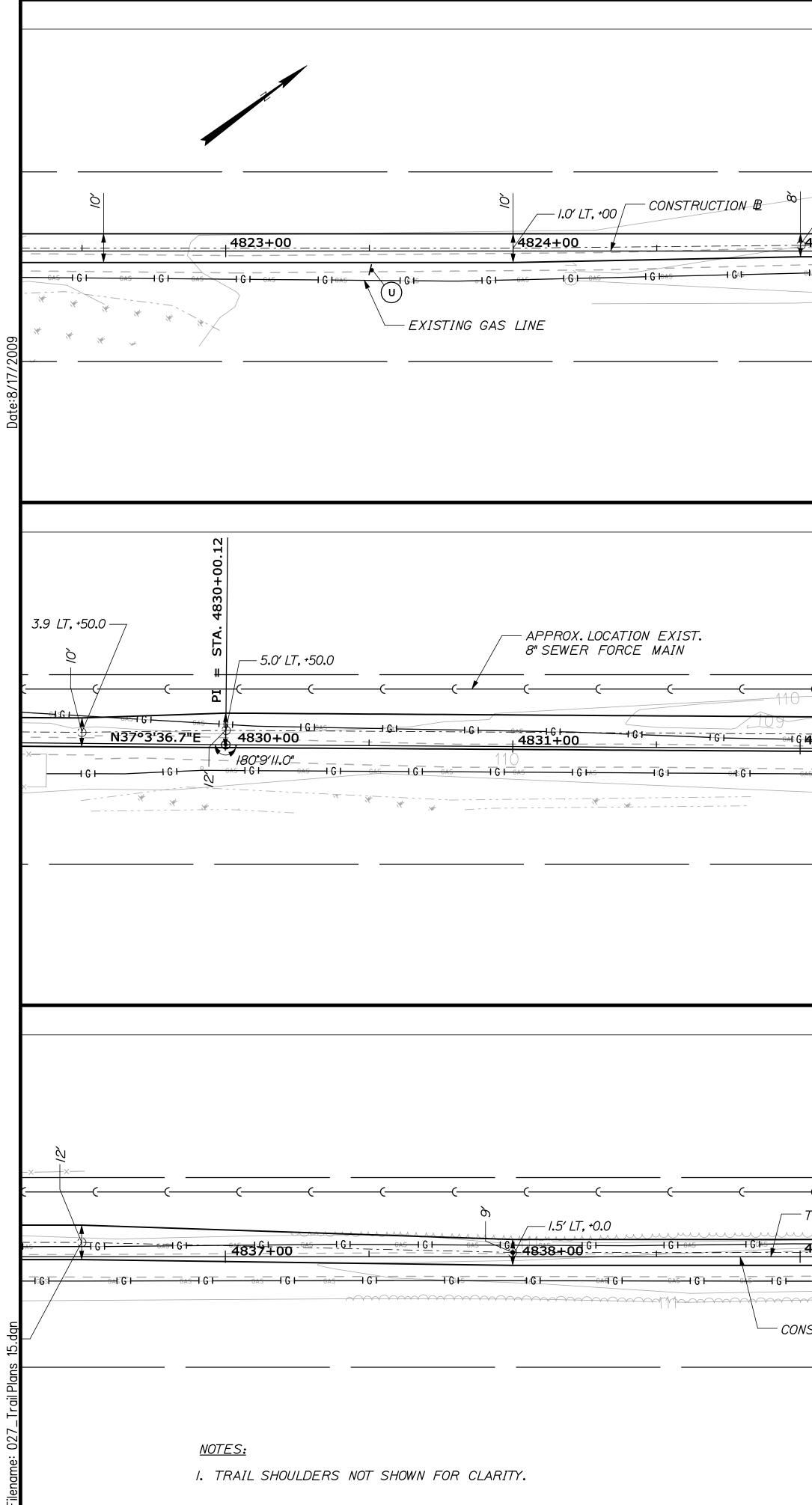


	TYPICAL SI	ECTION C	→	Τγ
			STA. 4799+00	
<u> </u>		112		
4797+00	4798+00	N36°32'30.8"E	4799+00	109
		<u>сас</u> GI сал 112 Г 113 —		
PROPOSED ELEVATION TABLE	/ /	- PROPOSED EL	EVATION TABLE	
STATION STATION TABLE OF TRAIL ELEV.		STATION 4798+00.00	CENTERLINE OF TRAIL ELEV. //3.35	REVISE
4797+00.00//3.874797+25.00//4.074797+50.00//4.024797+75.00//3.73		4798+00.00 4798+25.00 4798+50.00 4798+75.00 4799+00.00	//3.35 //3./2 //2.83 //2.6/ //2.35	NOTES:

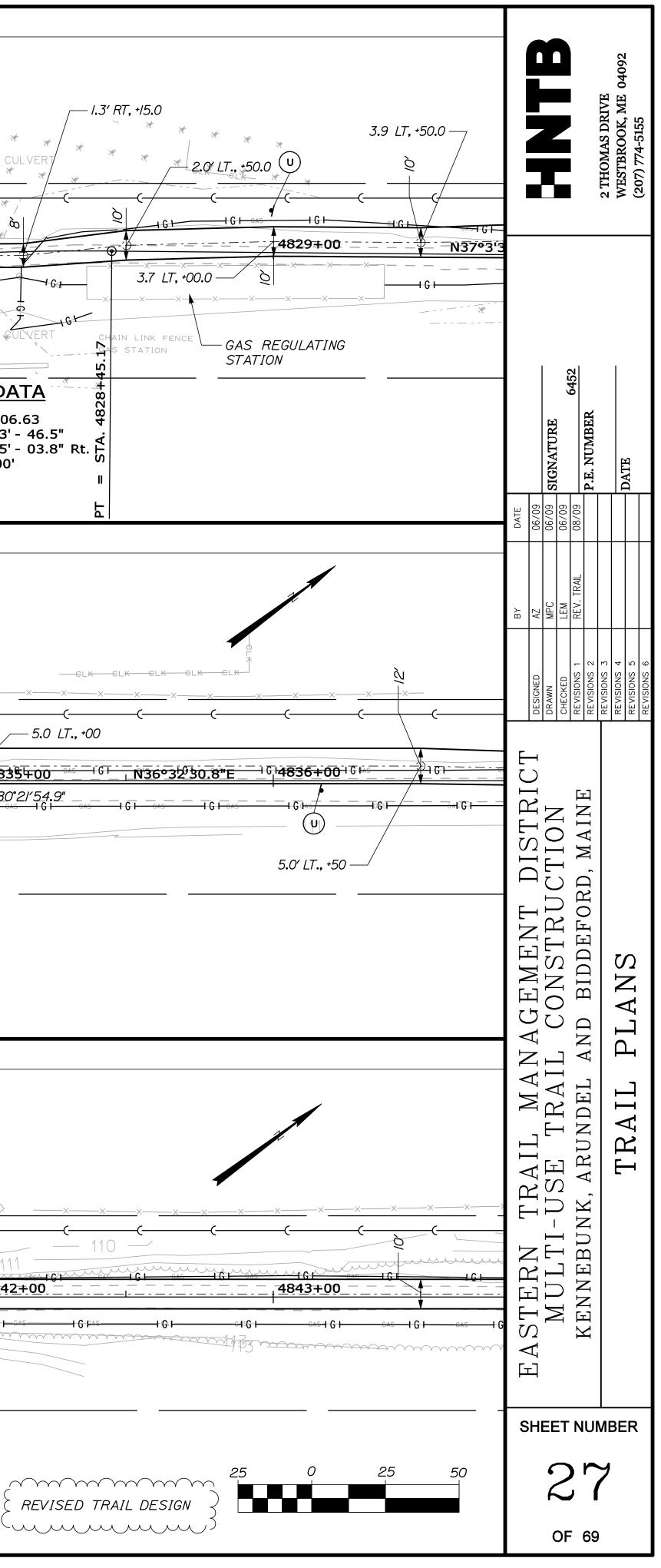


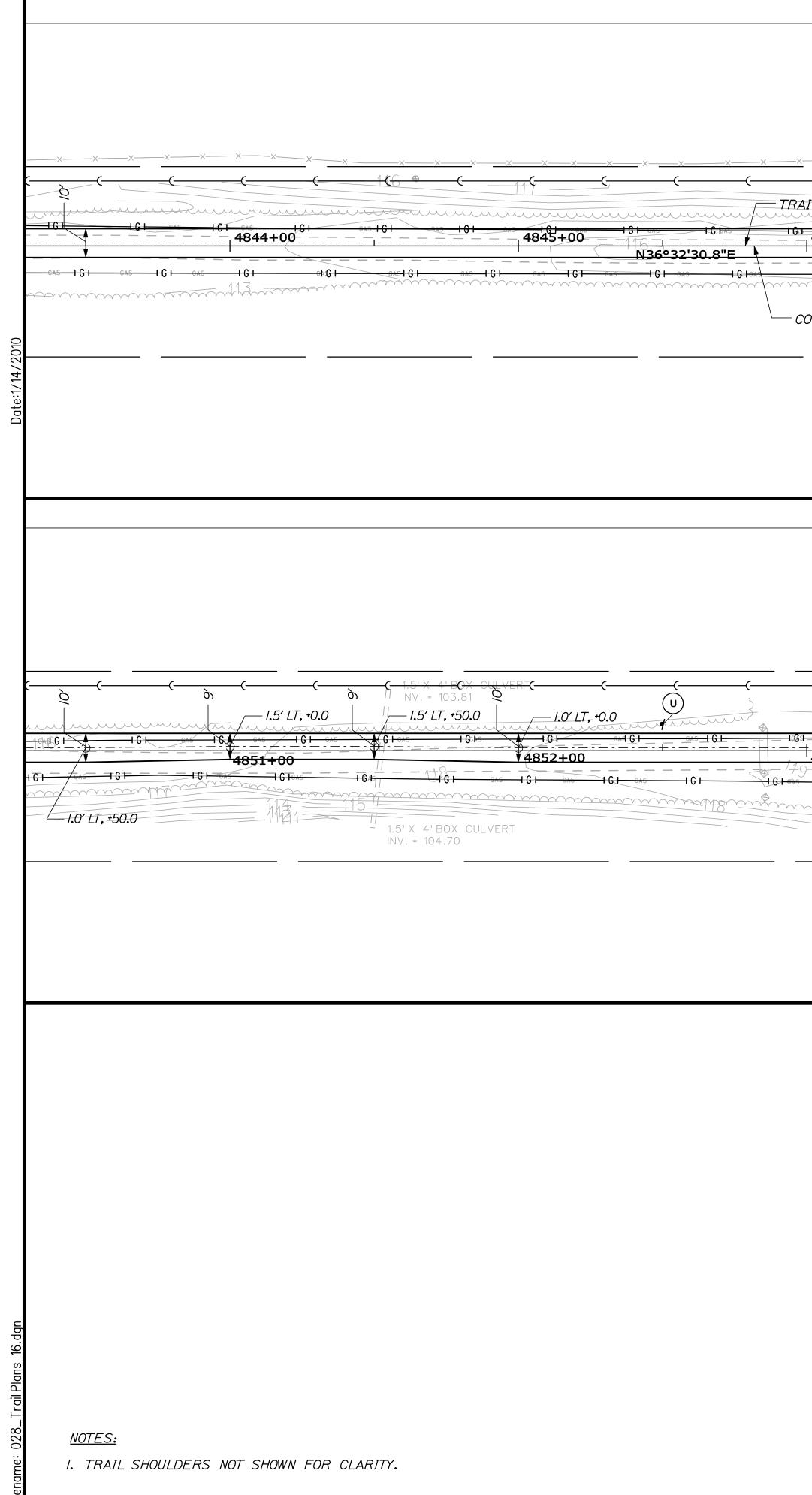
3.0 LT., +0.0	TRAIL @	XXX	XXX	<x< th=""><th>XX</th><th>XX-</th><th> 106_</th></x<>	XX	XX-	 106_
4811+00		- 4812+00	<u></u> - <u>N36</u> •32	2'30.8"E	<u></u> 4813+4	90	
						 	nas IGI cas
	CONSTRUCTIO	V B				- 105	106

			MITTITICE TRAIL CONSTR		🔁 🔹 KENNEBUNK, AKUNDEL AND BIDDEFUKD, MAINE		TRAIL	
+00	Г		ONSTRICTION		BIDDEFORD, MAINE	(PLANS	
× × × × × × × × × × × × × × × × × × ×		DESIGNED	DRAWN	CHECKED REVISIONS 1		REVISIONS 3		
	ВҮ	AZ	MPC	LEM REV. TRAIL				
LINE	DATE	06/09	06/09 SIGNATURE	06/09 08/09 6452	P.E. NUMBER		DATE	
$ \begin{array}{cccccccccccccccccccccccccccccccccccc$						2	≥ S	ע
							WESTBROOK, ME 04092	GGLG-4/// (//UZ)



$\frac{1}{5} = \frac{1}{5} = \frac{1}$		TYPIC	CAL SECTION A					
EX U: 00 TRALL & 4926400 4922400 0 4922400 40 10 10 10 10 10 10 40 10 10 10 10 10 10 10 10 10 10 10 10 10 10 11 10 10 10 10 10 10 10 10 12 100 10 </th <th>FIELD A 5' SEPAF</th> <th>DJUST TRAIL LOCAT. RATION FROM GAS L</th> <th>ION TO MAINTAIN INE. COORDINATE</th> <th></th> <th></th> <th>*</th> <th>* TA.</th> <th>*</th>	FIELD A 5' SEPAF	DJUST TRAIL LOCAT. RATION FROM GAS L	ION TO MAINTAIN INE. COORDINATE			*	* TA.	*
R225 400 4026 400 4026 400 4026 401 R2012 100 4026 401 401 401 R2012 100 R2012 100 R2012 100 R2012 100 R2012 100							A	102.99 *
Image: construction of the second of the	- 2.0' LT, +00 T	RAIL ©			کر مر	2.0' LT, +0.0	PRC	à chi
CURVE DATA CURVE DATA P1 = 402-14405 CURVE DATA P1 = 402-14405 P1 = 402-14405 A = 37 - 437 - 457 A = 47 - 237 A = 37 - 437 - 457 A = 47 - 237 A = 37 - 437 - 457 A = 47 - 237 A = 37 - 437 - 457 A = 47 - 237 A = 37 - 437 - 457 A = 47 - 237 A = 47 - 237 A = 47 - 237 A = 47 - 237 A = 47 - 237 A = 47 - 237 A = 47 - 237 A = 47 - 237 A = 47 - 237 A = 47 - 237 A = 47 - 237 A = 47 - 237 A = 47 - 237 A = 47 - 237 A = 47 - 237 A = 47 - 237 A = 47 - 237 A = 47 - 237 A = 47 - 237 A = 47 - 237 A = 47 - 237 A = 47 - 237 A = 47 - 237 A = 47 - 237 A = 47 - 237 A = 47 - 237 A = 47 - 237 A = 47 - 237 A = 47 - 237 A = 47 - 237 A = 47 - 237 A = 47 - 237 A = 47 - 237 A = 47 - 237 A = 47 - 237 A = 47 - 237	N36					4827+00	4828	3+00
CURVE DATA PI = 4827+36.5 CURVE DATA PI = 4827+36.5 CURVE DATA PI = 4827+36.5 PI = 4827+36.5 PI = 4827+36.5 PI = 4827+36.5 R = 5000.00° T = 38.66° FI = 38.57 E = 0.58° TYPICAL SECTION A SCOPPERION EXTENSION AT SCOPPERION EXTENSION SOL FI = 38.57 HE32+400 TYPICAL SECTION A SCOPPERION EXTENSION AT SCOPPERION SOL FI = 38.57 HE32+400 TYPICAL SECTION A SCOPPERION EXTENSION AT SCOPPERION SOL FI = 38.57 HE32+400 TYPICAL SECTION A SCOPPERION EXTENSION AT SCOPPERION SOL FI = 38.57 HE32+400 TYPICAL SECTION A SCOPPERION EXTENSION AT SCOPPERION SOL FI = 38.57 HE32+400 TYPICAL SECTION A SCOPPERION EXTENSION AT SCOPPERION EXTENSION SOL FI = 38.57 HE32+400 TYPICAL SECTION A SCOPPERION EXTENSION AT SCOPPERION EXTENSION AT SCOPPE			HEL LEF		<u> </u>		s+6+	
PI = 4927-405 PI = 4927-405 A = 37 - 537 - 58.0° LL A = 47 - 257 B = 30.06° L = 77.10° TYPICAL SECTION A INSTALL BRIDGE DRAIK EXTENSION AT SOUPER DUART STREET Soupera on existing precount street 9 PROVIDENT SUPERION FOR THE STREET <td>LEDGE</td> <td>0 IE</td> <td></td> <td></td> <td></td> <td></td> <td>29" X INV. =</td> <td>24" BOX ©U 103.54</td>	LEDGE	0 IE					29" X INV. =	24" BOX ©U 103.54
D = 5° - 43° - 46.5° A = 4° - 25° A = 3° - 53° - 58° UL A = 4° - 25° B° = 1000.00° F = 1000.00° U = 65000 F = 0.74° TYPICAL SECTION A				_ /~			<u><u> </u></u>	RVE DA
Trend & Construction A $Trend & Construction A$			~			$D = 5^{\circ} - 43' - 46'$ $\Delta = 3^{\circ} - 53' - 58'$ $R^{0} = 1000.00'$	5.5" D = $B.0$ " Lt. Δ = R =	: 5° - 43' - : 4° - 25' - : 1000.00'
INSTALL BRIDGE DRAIN EXTENSION AT SOUPPASS IN ACCORDANCE WITH SPECIAL PROVISION 502. 9 INSTALL BRIDGE DRAIN EXTENSION AT SOUPPASS IN ACCORDANCE WITH SPECIAL PROVISION 502. 9 INSTALL BRIDGE DRAIN EXTENSION AT SOUPPASS IN ACCORDANCE WITH SPECIAL PROVISION 502. 9 INSTALL BRIDGE DRAIN EXTENSION AT SOUPPASS IN ACCORDANCE WITH SPECIAL PROVISION 502. 9 INSTALL BRIDGE DRAIN EXTENSION AT SOUPPASS IN ACCORDANCE WITH SPECIAL PROVISION 502. 9 INSTALL BRIDGE DRAIN EXTENSION AT SOUPPASS IN ACCORDANCE WITH SPECIAL PROVISION 502. 9 INSTALL BRIDGE DRAIN EXTENSION AT SOUPPASS IN ACCORDANCE WITH SPECIAL PROVISION 502. 9 INSTALL BRIDGE DRAIN EXTENSION AT SOUPPASS IN ACCORDANCE WITH SPECIAL PROVISION FOR THE SPECIAL STRUCTION B STRUCTION B STRUCTION B 9						T = 34.04'	Т =	: 38.57'
IISJANE BUILDE LINSTING PRECENT IISJANE PROVIDENT STREET DYROVISION SO2. PROVISION SO2. IISJANE WITH SPECIAL PROVISION SO2. IISJANE WITH SPECIAL IISJANE WITH SPECIAL <		TYPICAL S	ECTION A					
4832+00-101-101 101-10			SCU OVE PRO	UPPER ON EXI ERPASS IN ACC OVISION 502.	STING PRE	COURT STREET		. 4835+00.1
4832+00-101-101 101-10	<u> </u>	-((ـــــــــــــــــــــــــــــــــــــ	
Total Section A Trail & Trail								
Image: Struction B Image: Struction B Image: Struction A								180
TYPICAL SECTION A $TYPICAL SECTION A$ $TRAIL @$						- 110		
TYPICAL SECTION A				└── CONSTRUC	CTION B			
		PRECOURT S OVERPASS						
TRAIL @ 63 1.5' LT, +00.0 10' LT, +00.0 4839 + 00 161		TYPICA	AL SECTION A					
TRAIL @ 63 1.5' LT, +00.0 10' LT, +00.0 4839 + 00 161								
TRAIL @ 63 1.5' LT, +00.0 10' LT, +00.0 4839 + 00 161								
101 1	-c	-(() Ø		3'BOX (ULVERT) 105.62	 	((U)	 4 ·	
CAS IGI CAS	mmmm		humm		muju	4841+00		
STRUCTION B INV. = 105.78								
INV. = 105.78	STRUCTION R							
			∠ X 3 INV. =	105.78				

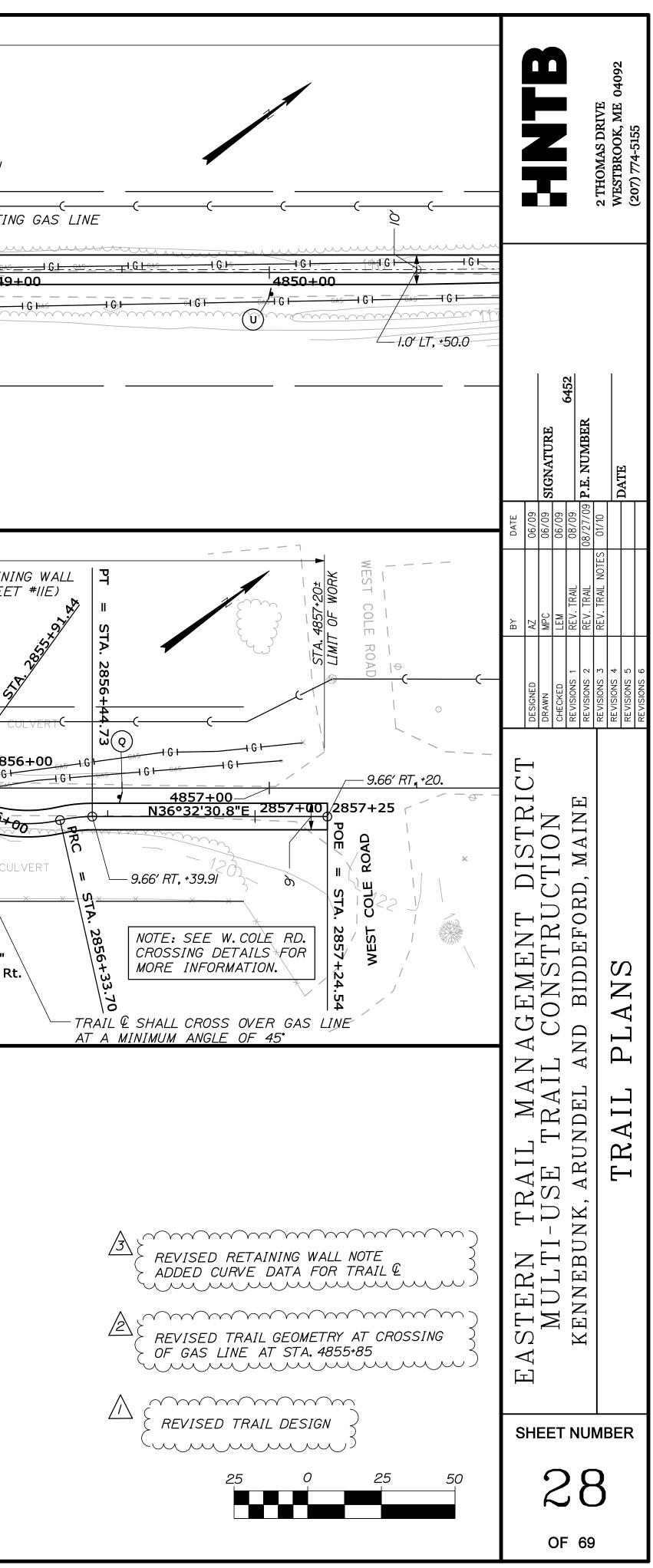


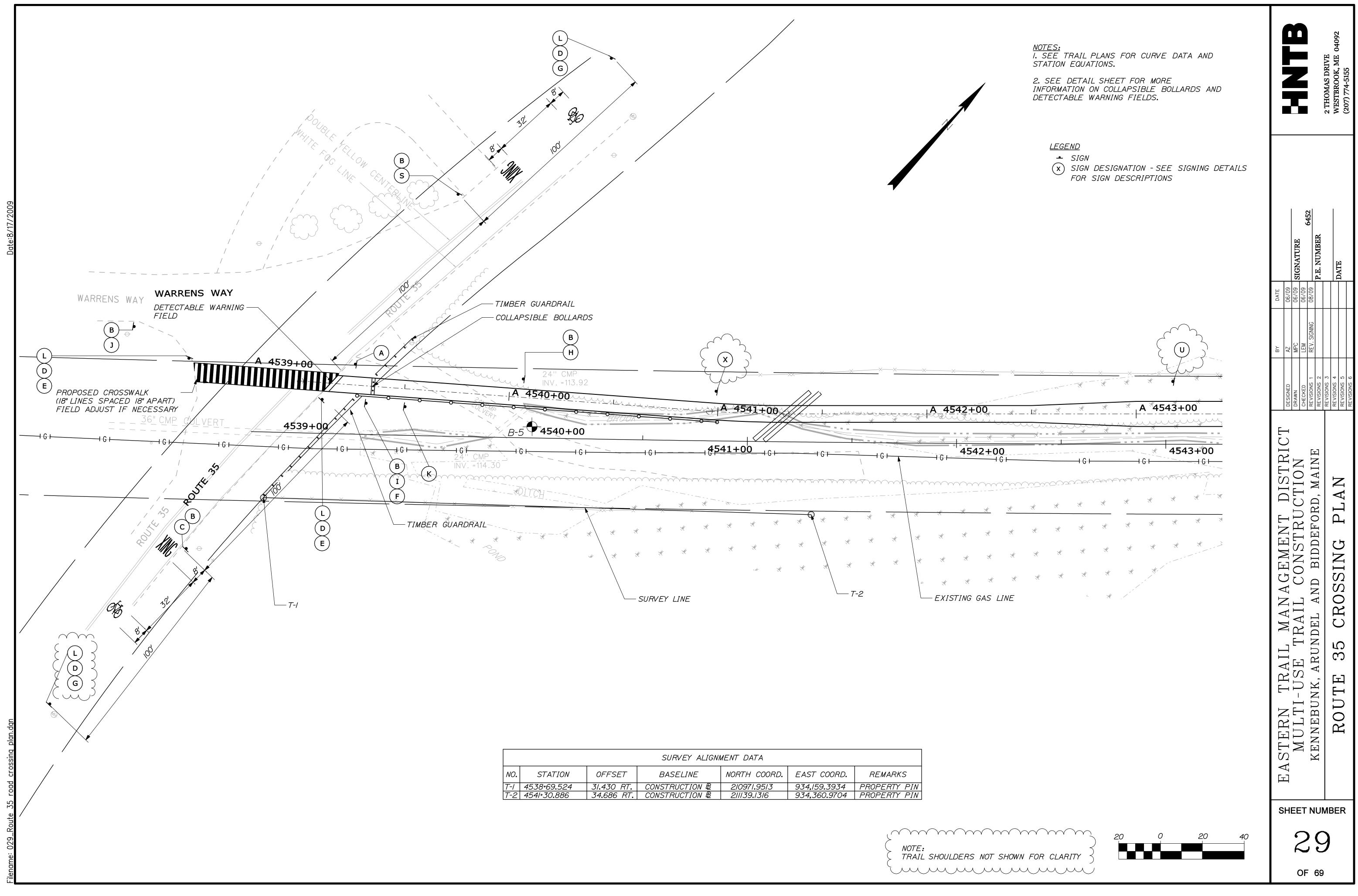


	TYPICAL SECTION A			
NO EXCAVATION SHALL BL STATIONS 4846+OO AND 4 TIM BICKFORD,UNITIL SE	4848+00 WITHOUT FIRST C			
<u> </u>		D SPUR TRAIL BARRICADE	XXX	APPROX. LOCATION 8" SEWER FORCE MAIN
		11 Jordis G 1 - 1 1 Const I G 1	4848+00 645 -1	EXISTIN
	4847+00			4849
		IGH CAS IGHAS		

- CONSTRUCTION B

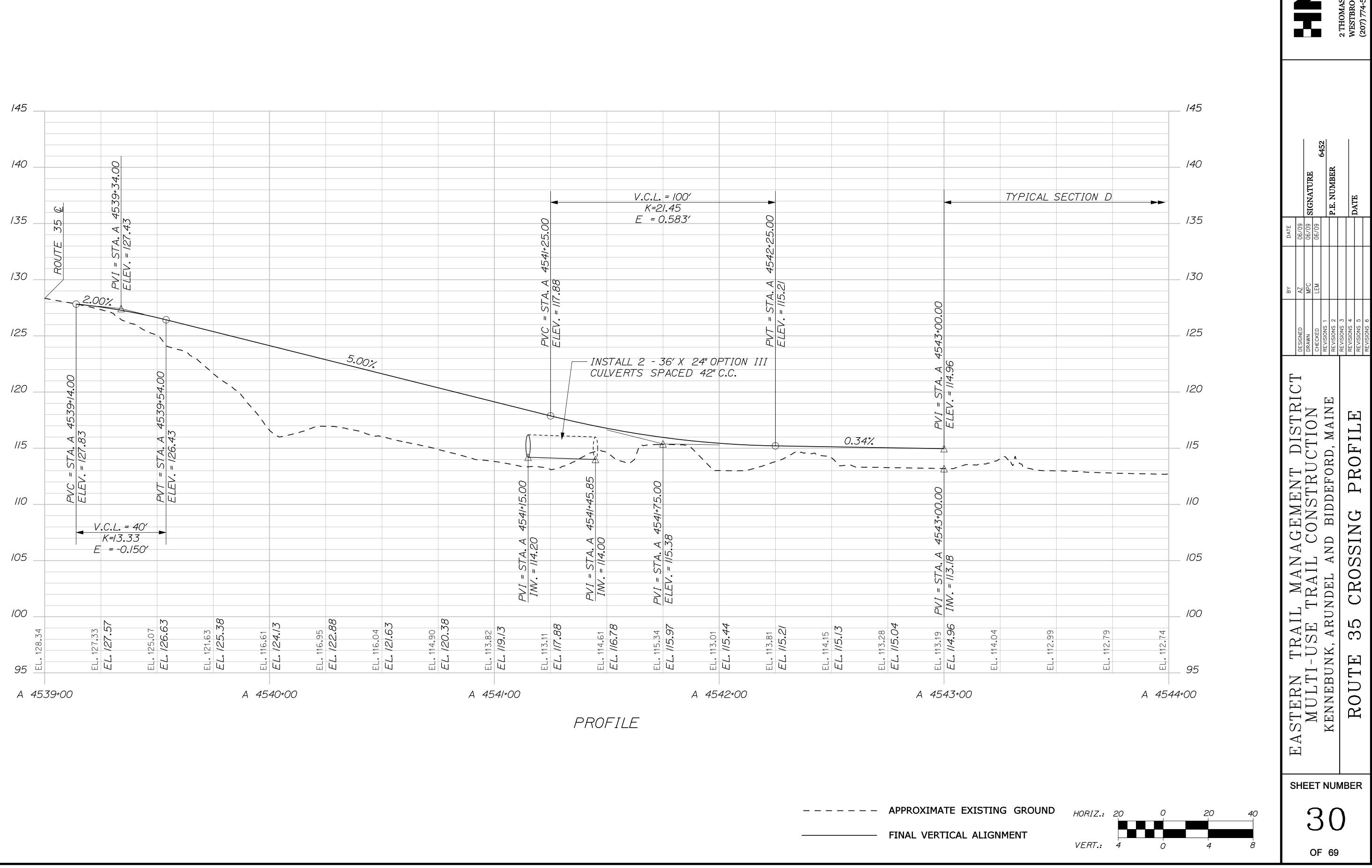
	TYPICAL SEC	TION A		
	_ <i>STA</i>	4 <u>. 4855+00.00, I.O' LT_CONSTR.</u> STA. 2855+00.00_TRA		PROPOSED RETAIN
			0 5 + 4 5 + 4 5 + 4 5 + 4 5 + 4 5 - - - - - - - - - - - - -	C INV. = 114.6 48: 161 161 161 161 161 161 161 16
4833+00 N3		TRUCTION B	1604- 1604- 1604- 161 161 161 161 161 161 161 16	161 2855+44.24 22" X 22" BOX CU INV. = 114.94
	$\begin{array}{rcrcr} \hline & & & & \\ \hline CURVE & DATA \\ \hline PI &=& 2855+34.65 \\ D &=& 114^\circ - 35' - 29.6'' \\ \Delta &=& 19^\circ - 35' - 48.5'' \text{ Lt.} \\ R &=& 50.00' \\ L &=& 17.10' \\ T &=& 8.64' \\ E &=& 0.74' \end{array}$	$\begin{array}{rcrr} \hline CURVE DATA \\ PI &=& 2855+69.35 \\ D &=& 114^{\circ} - 35' - 29.6'' \\ \Delta &=& 55^{\circ} - 22' - 48.8'' \text{ Rt.} \\ R &=& 50.00' \\ L &=& 48.33' \\ T &=& 26.24' \\ E &=& 6.47' \end{array}$		$\frac{\text{CURVE DATA}}{\text{PI} = 2856+39.24}$ $D = 114^{\circ} - 35' - 29.6''$ $L = 12^{\circ} - 38' - 23.0'' \text{ R}$ $R = 50.00'$ $L = 11.03'$ $T = 5.54'$ $E = 0.31'$

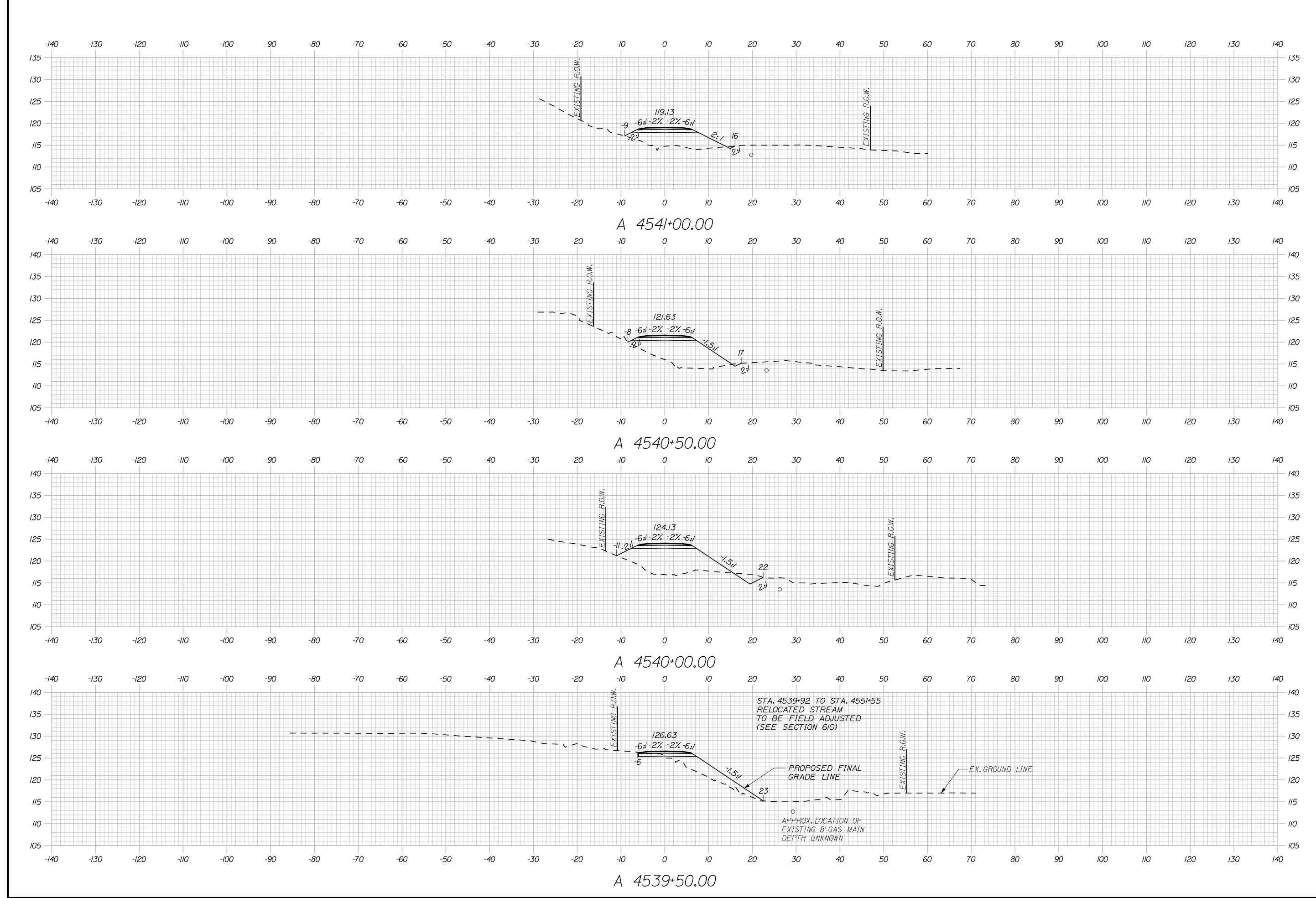




SURVEY ALIGNMENT DATA								
NO.	STATION	OFFSET	BASELINE	NORTH COORD.	EAST COORD.	REMARKS		
<i>T-I</i>	4538+69.524	31.430 RT.	CONSTRUCTION ${\cal B}$	210971.9513	934,159.3934	PROPERTY PIN		
T-2	454/+30 . 886	34.686 RT.	CONSTRUCTION ${B \!$	211139 . 1316	934,360.9704	PROPERTY PIN		







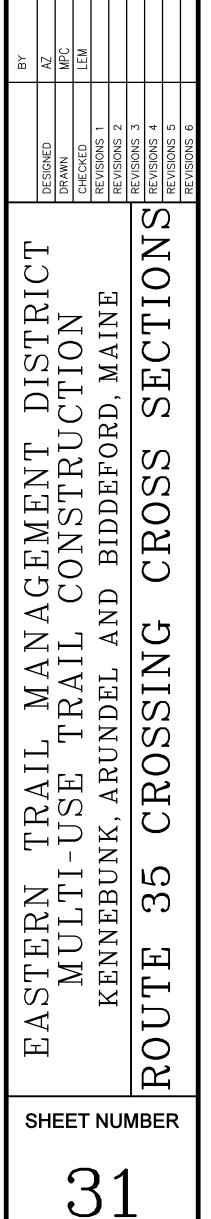
 06/09
 06/09
 SIGNATURE

 06/09
 SIGNATURE
 6452

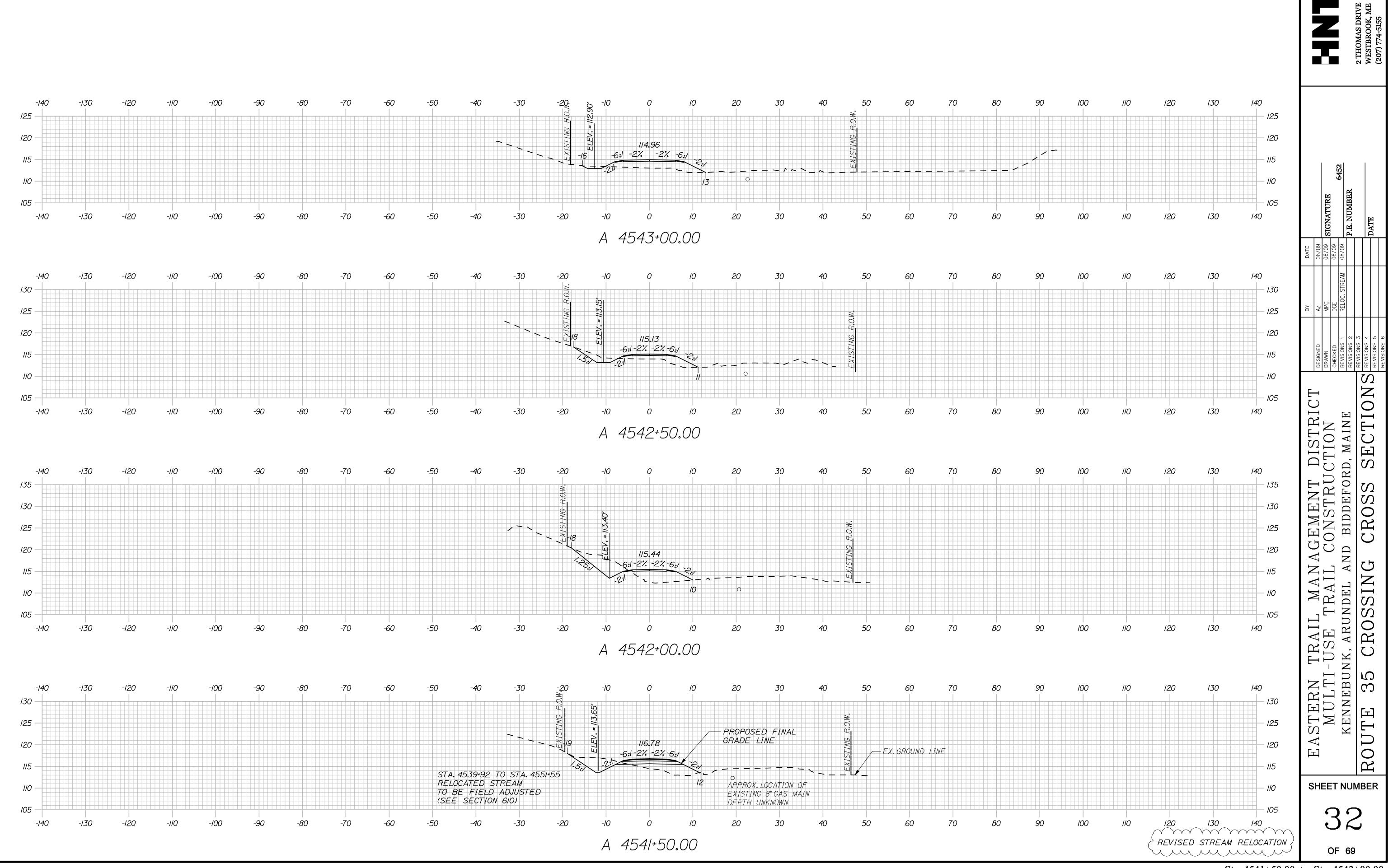
 06/09
 F.N.UMBER
 6452

 01
 P.E. NUMBER
 2 THOMAS DRIVE

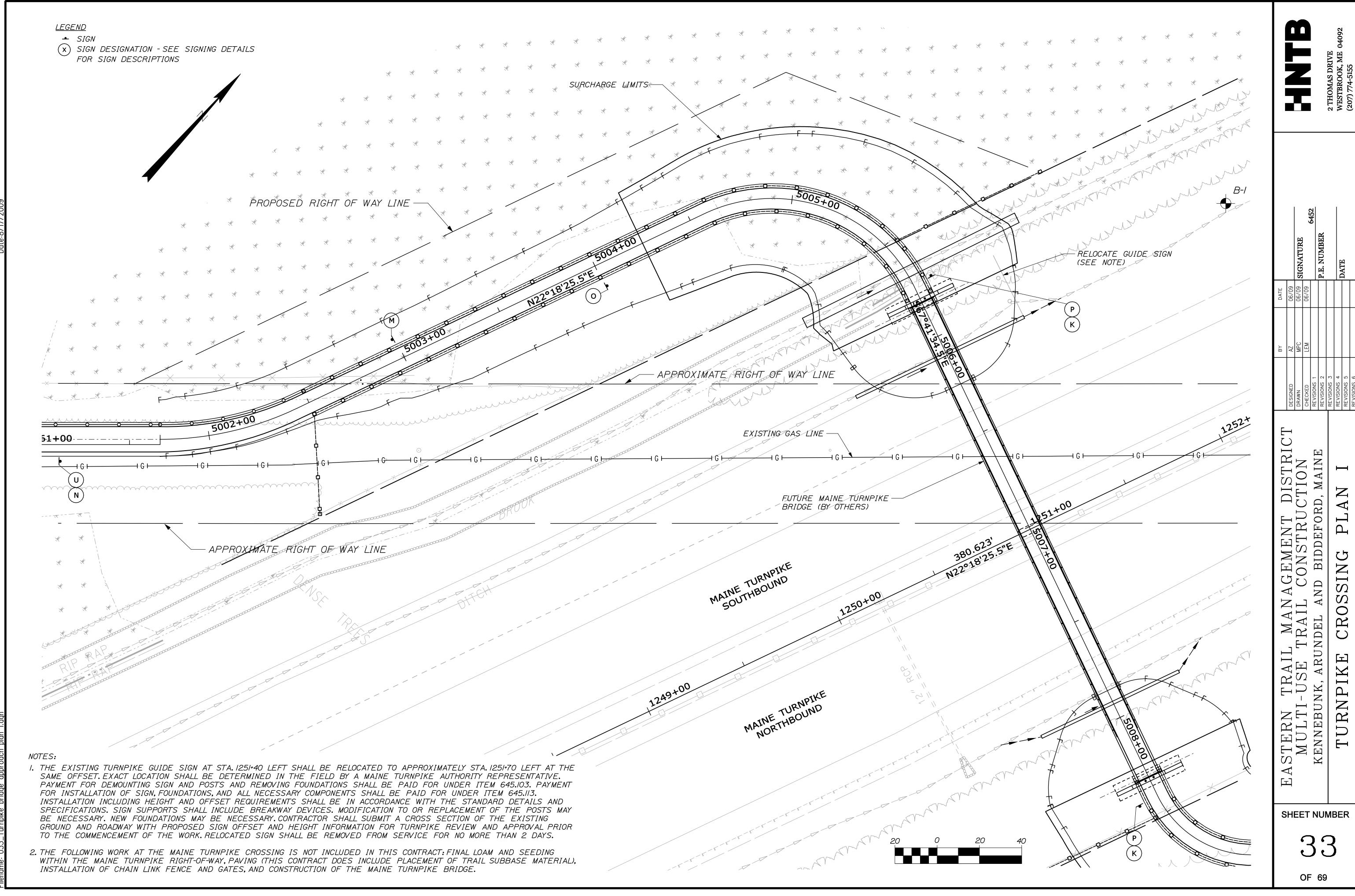
 DATE
 DATE
 04092



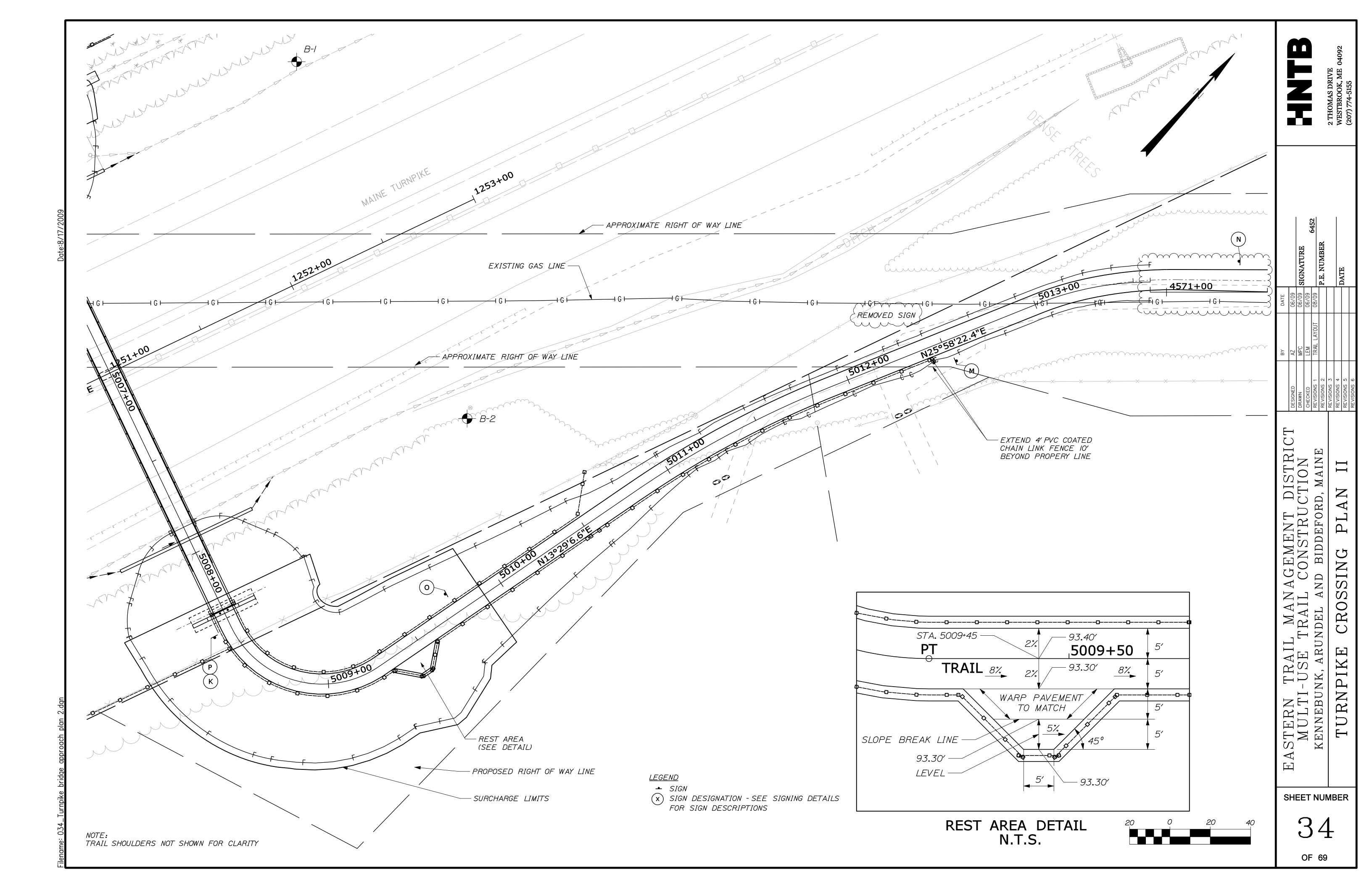
OF 69



Sta. 4541+50.00 to Sta. 4543+00.00

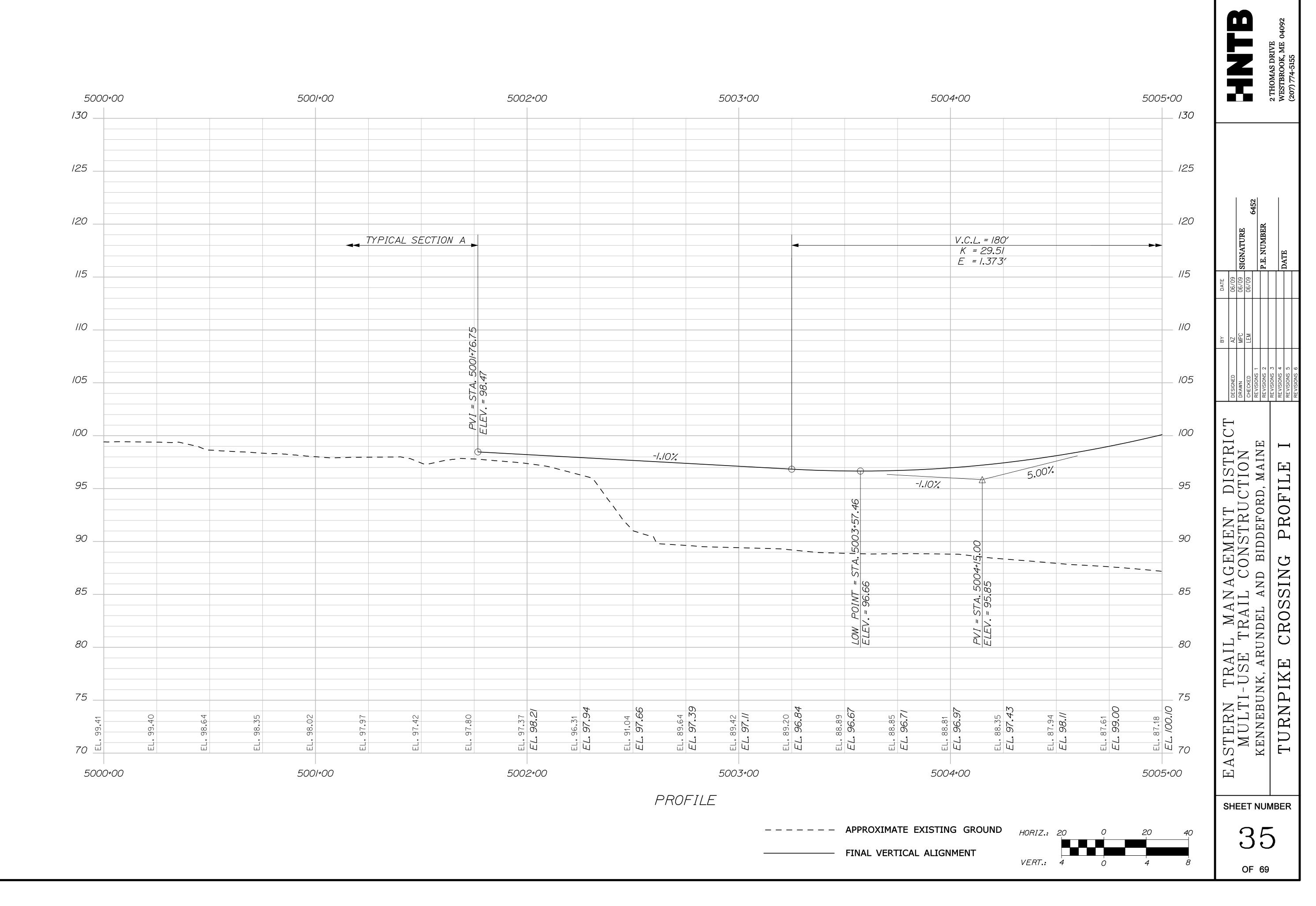


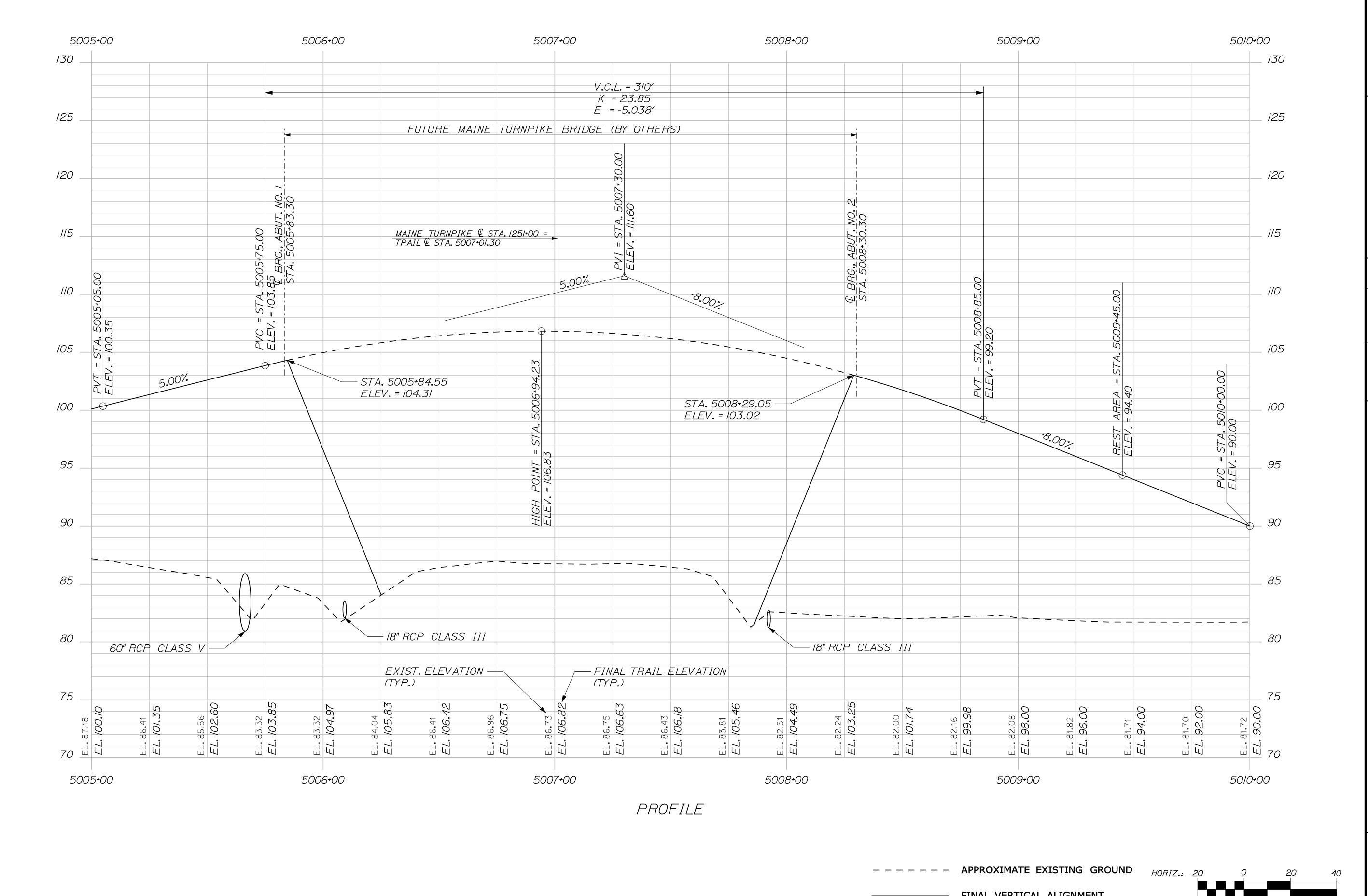
me: 033_Turnpike bridge approach plan 1.dgn



Date:8/17/2009

me: 0.35 Turnnike bridge approach profile 1.dc





FINAL VERTICAL ALIGNMENT

VERT.:

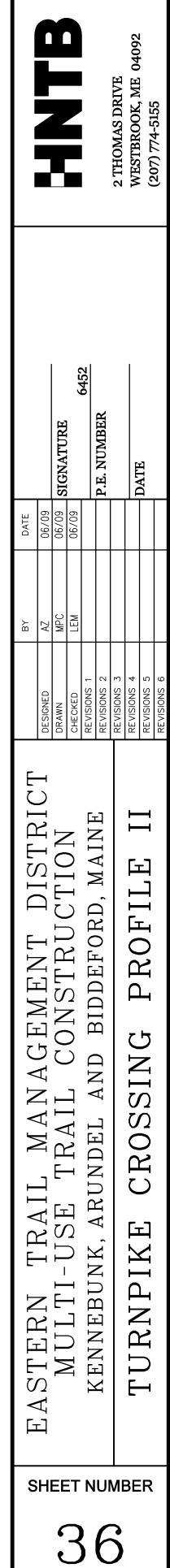
4

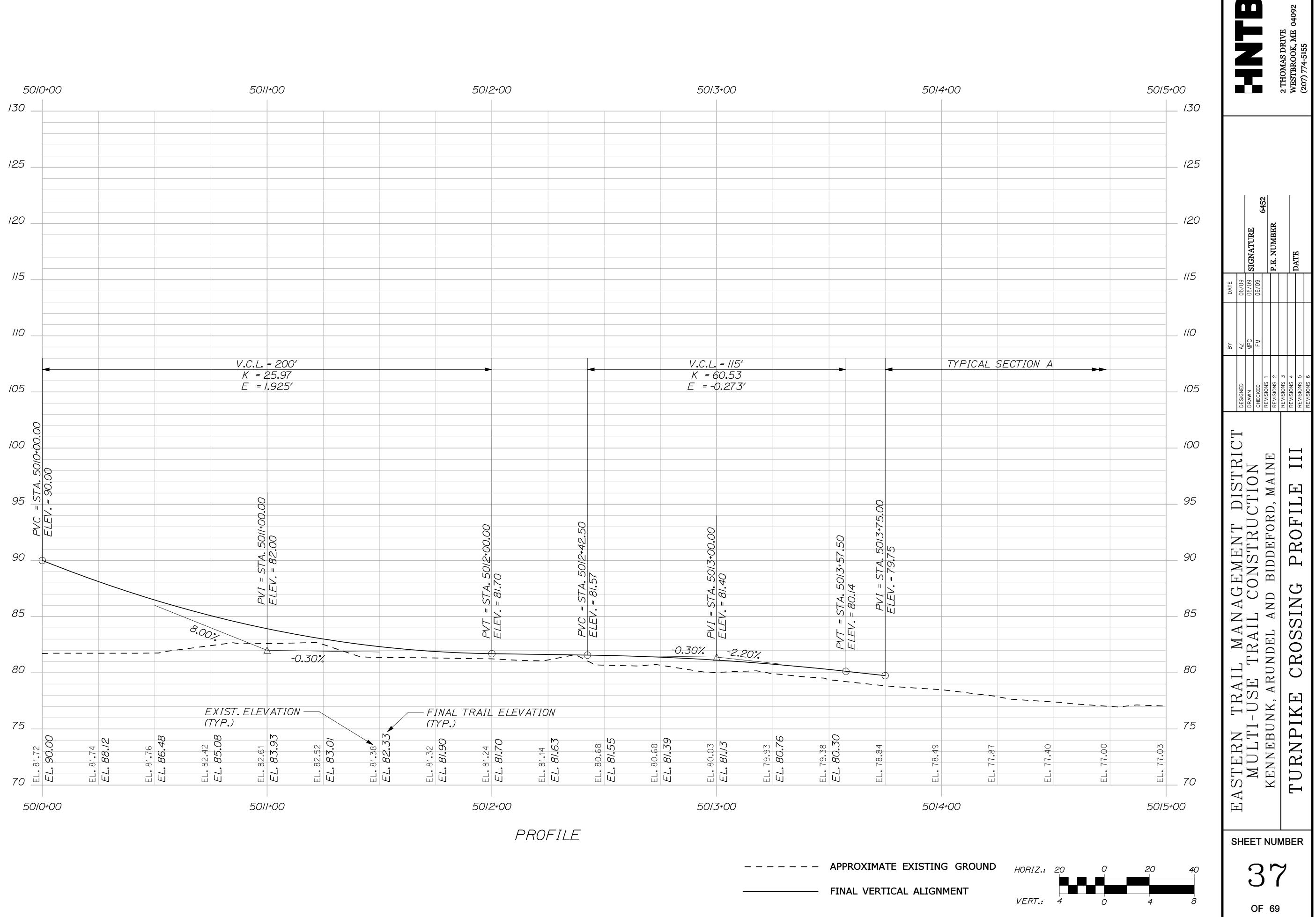
0

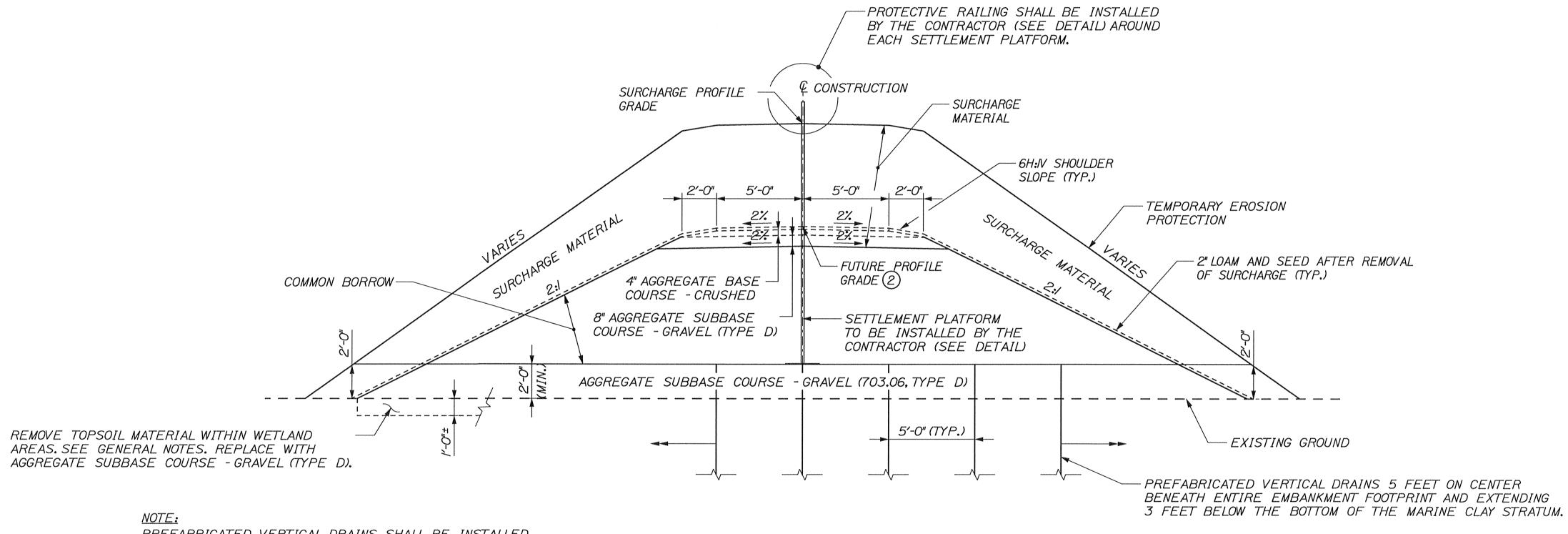
4

8

OF 69





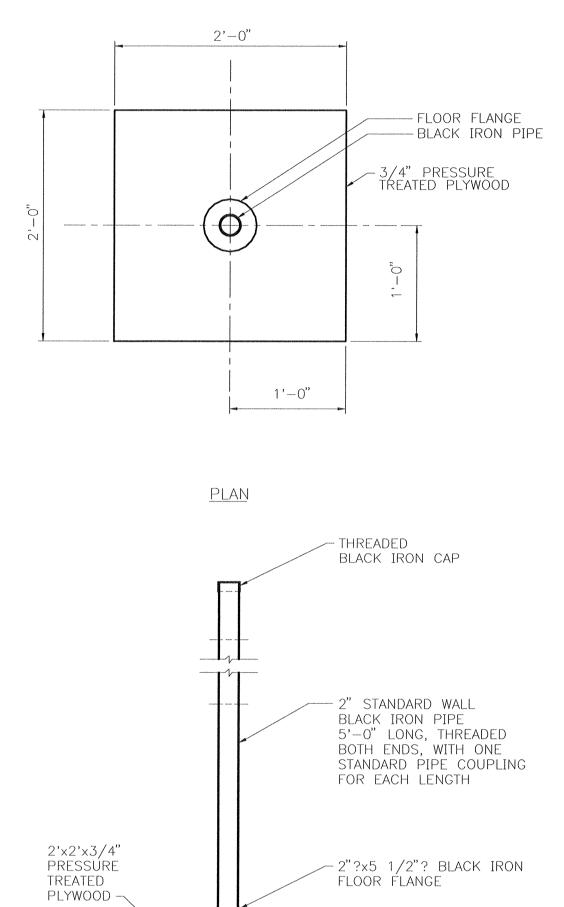


PREFABRICATED VERTICAL DRAINS SHALL BE INSTALLED IN ACCORDANCE WITH SPECIAL PROVISION SECTION 209.

PRELOAD TYPICAL APPROACH EMBANKMENT (EMBANKMENTS #1& #2)

N.T.S.

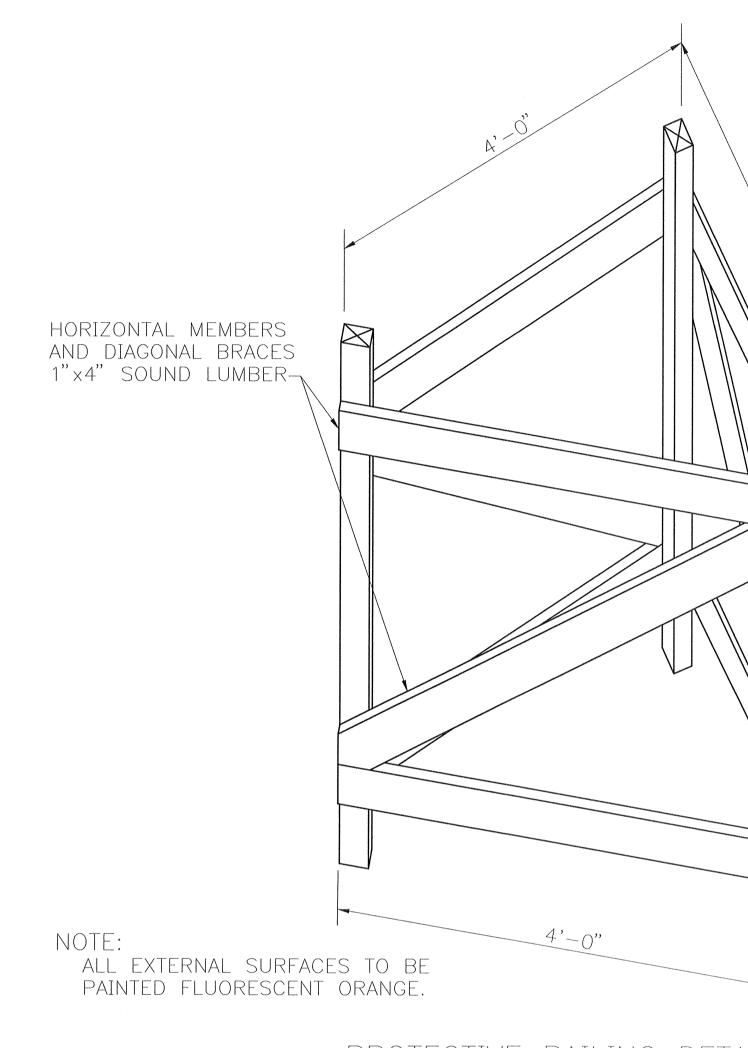
FACTEDN TRAIT	FACTERN TRAIT MAN			BY DATE	1 1 20 0
ANTENN TINALL MAIN	VIAM LIANT VIAL VIAL VIAL		DESIGNED	KLR 06/	L'Allehen
MITTTL-TICE TRAIT	MITTTL-TICE TRAIT	NOLTOLIAT	DRAWN	TRC 06/	06/09 SIGNATURE
			CHECKED	KLR 06/	
VENNERINK ADIMDEL AND	VENNERINK ADIMDEL AND	DIDDFFODD MAINE	L REVISIONS 1		
			REVISIONS 2		BER
			REVISIONS 3		
			REVISIONS 4		CENSEN OF STATES
LIVELOAD IIFIOAD	LIVELOAD IIFIOAD	V D L U L U L	REVISIONS 5		DAIL DAIL EVIL
			REVISIONS 6		ANNELISION AND AND AND AND AND AND AND AND AND AN



─ 5 BOLTS REQUIRED ELEVATION

SETTLEMENT PLATFORM DETAIL $1 \ 1/2"=1'-0"$

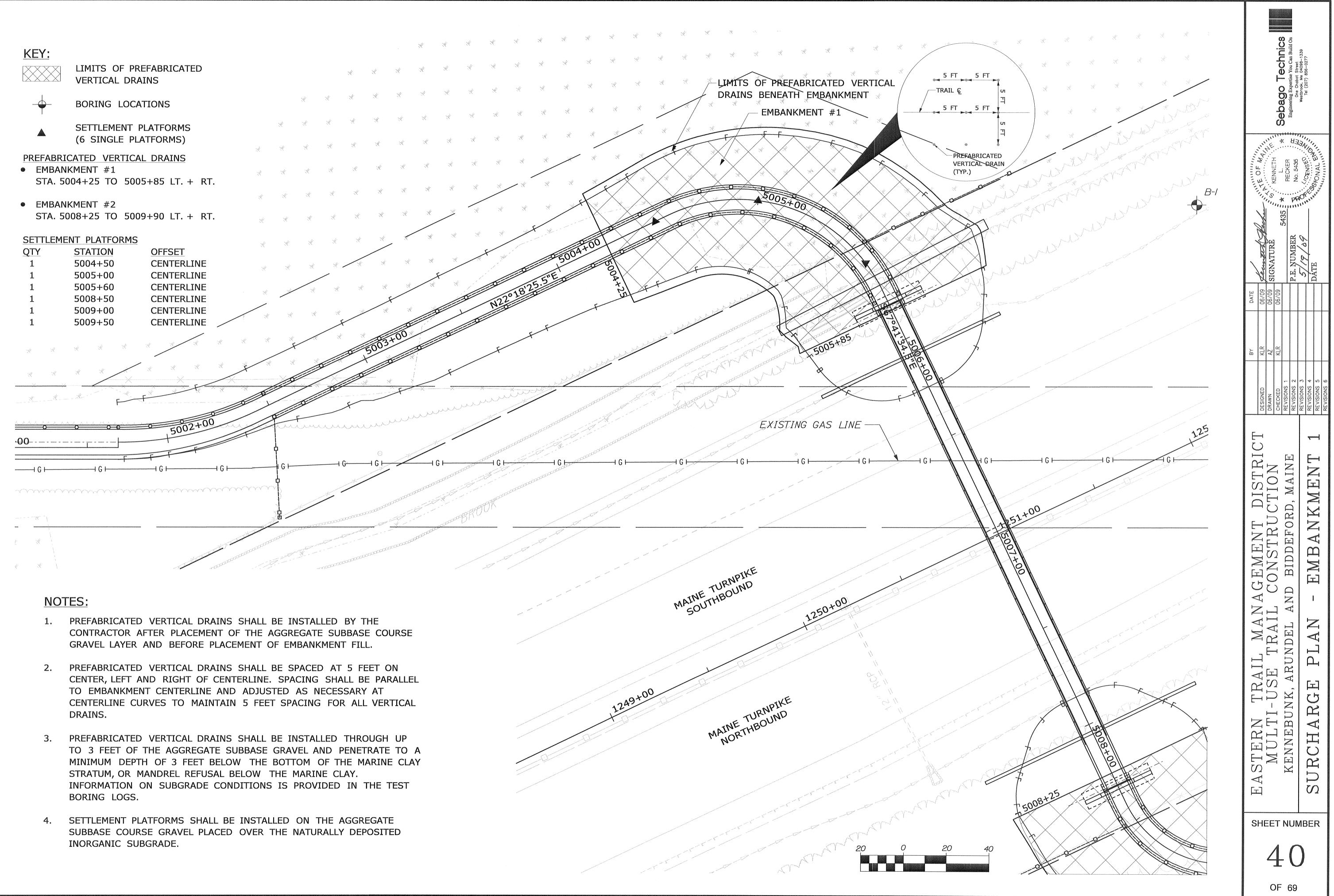
NOTE:

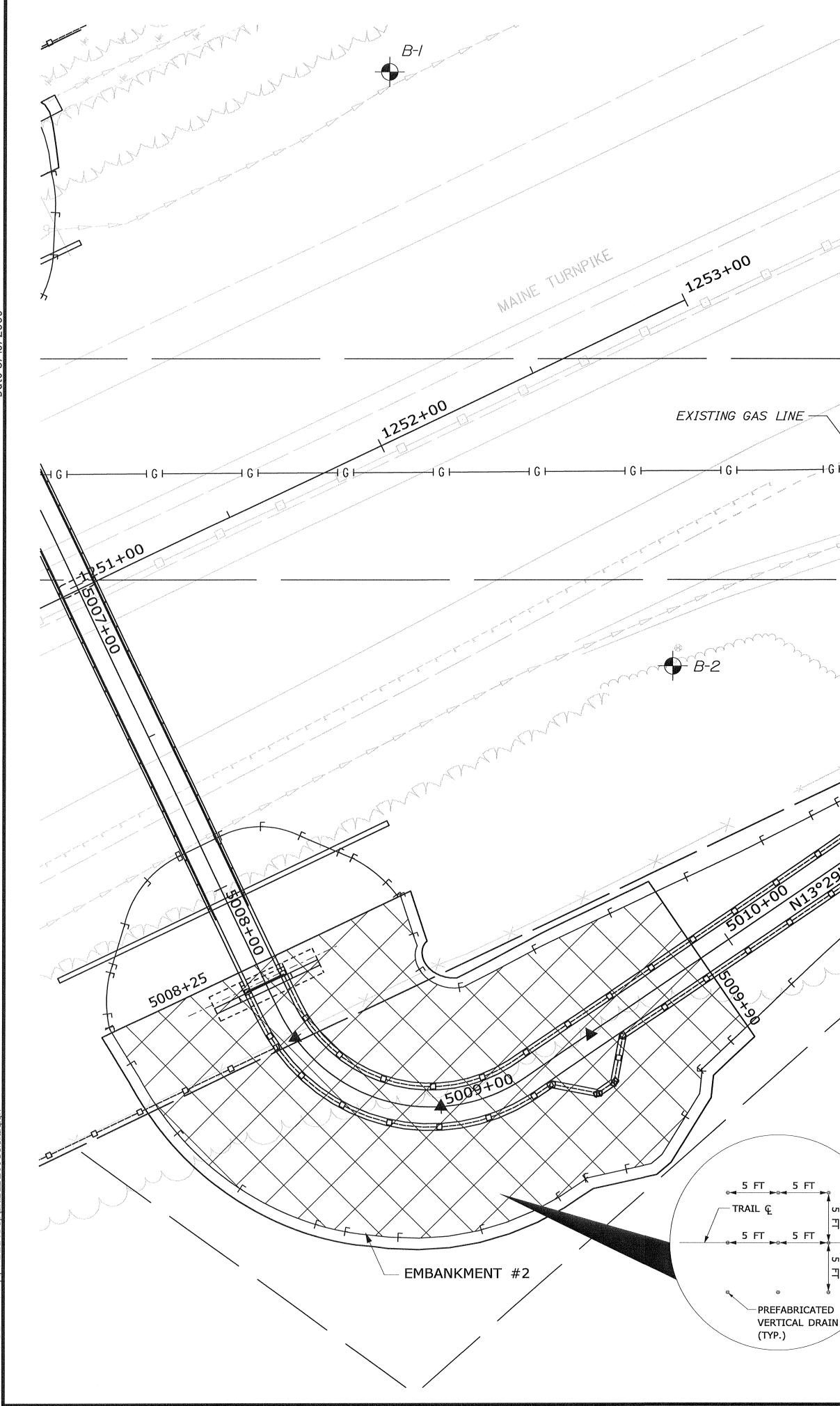


PROTECTIVE RAILING DETAIL FOR SETTLEMENT PLATFORMS NOT TO SCALE

THE CONTRACTOR SHALL BE RESPONSIBLE FOR INSTALLING SETTLEMENT PLATFORMS IN ACCORDANCE WITH THE SPECIAL PROVISION SECTIONS 646, SETTLEMENT PLATFORMS (GEOTECHNICAL).

	Sebago Technics Engineering Expertise You Can Build On Done Chabot Street Westbrook, Me 04098–1339 Tel (207) 856–0277
	5435 5435 KENNETH THE OF A THE
	DATE 06/09 SIGNATURE 06/09 SIGNATURE 06/09 P.E. NUMBER 5/19/09 DATE
CORNER POSTS 2"x3"x4'-6" SOUND LUMBER	BY KLR KLR KLR
	DESIGNED DRAWN CHECKED REVISIONS 1 REVISIONS 2 REVISIONS 3 REVISIONS 5 REVISIONS 5 REVISIONS 5
L AS	EASTERN TRAIL MANAGEMENT DISTRICT MULTI-USE TRAIL CONSTRUCTION Kennebunk, arundel and biddeford, maine SETTLEMENT PLATFORM DETAILS
	SHEET NUMBER
	39 of 69



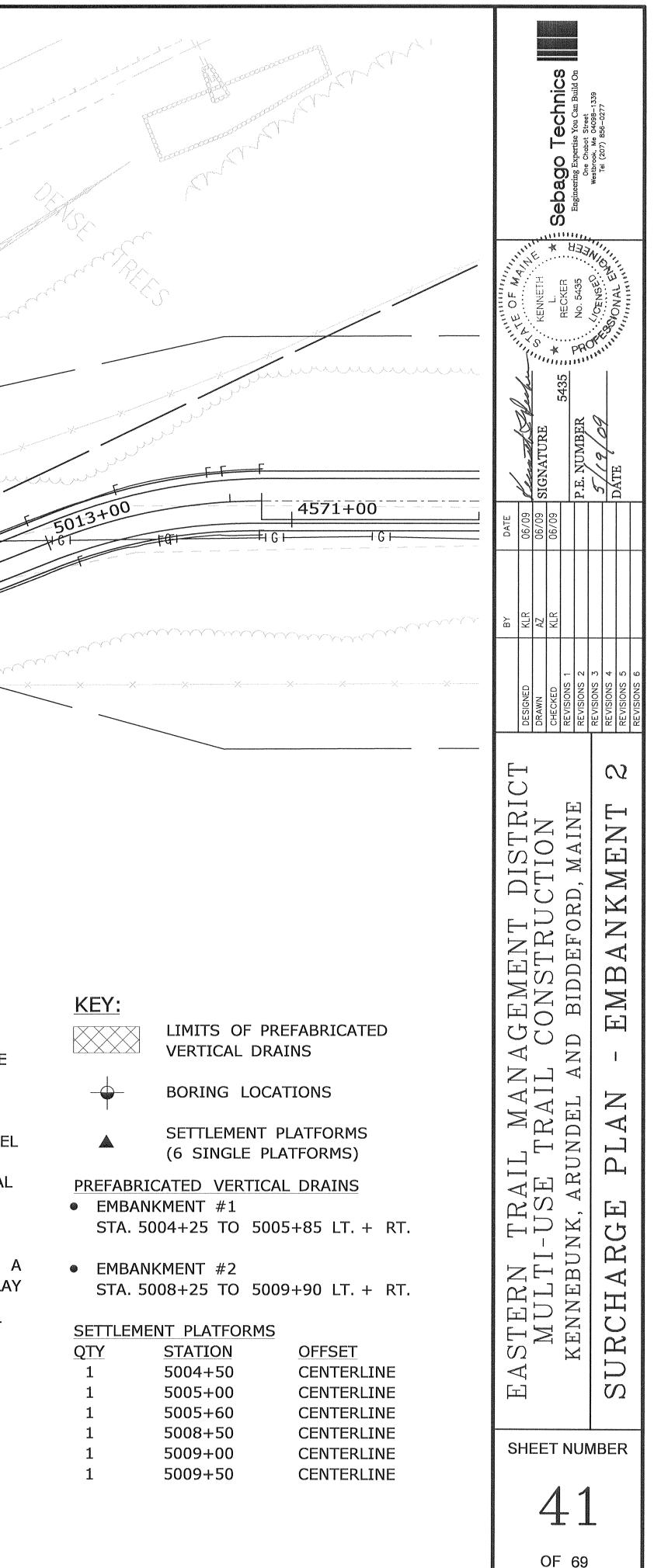


NOTES:

0

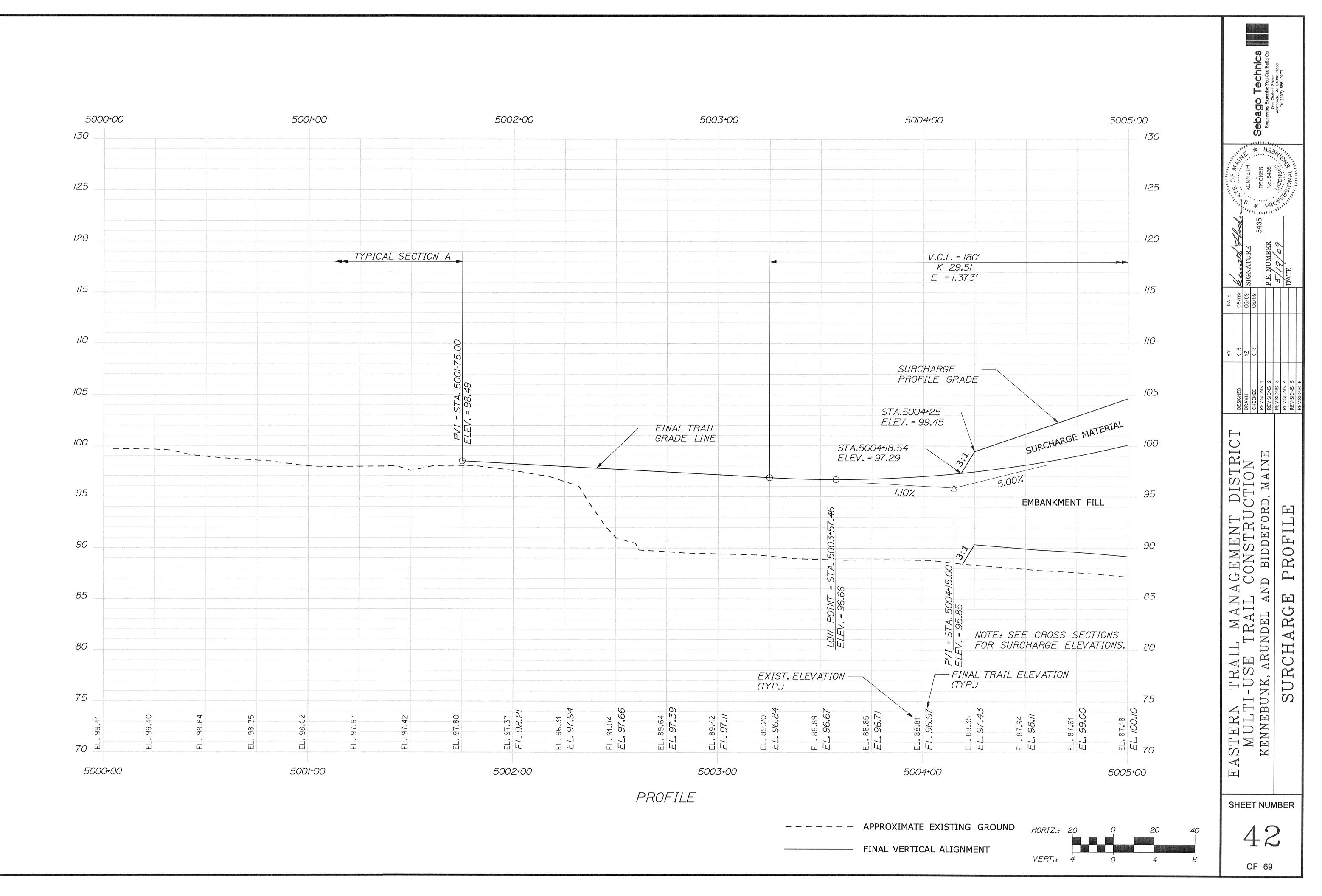
VERTICAL DRAIN

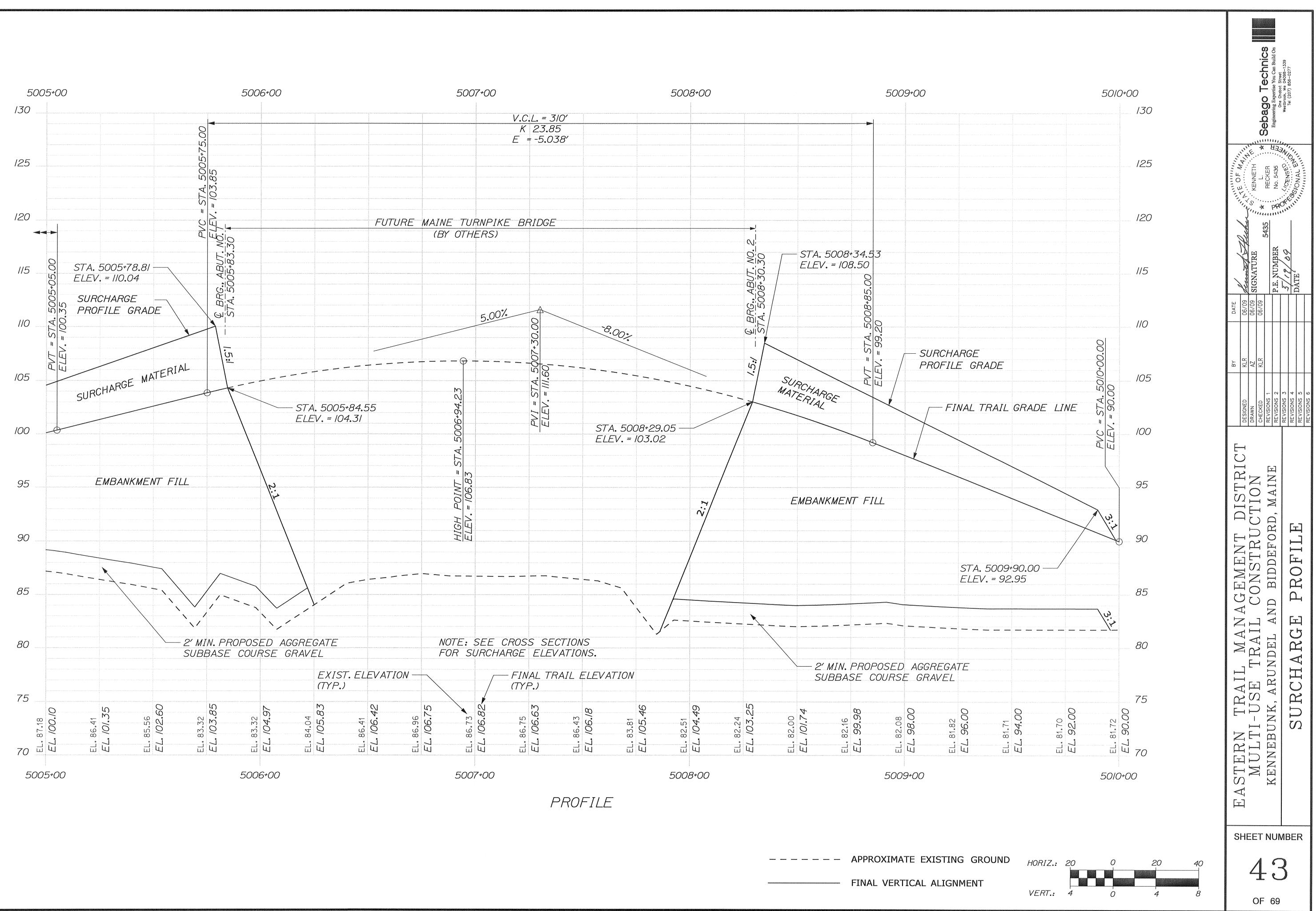
- PREFABRICATED VERTICAL DRAINS SHALL BE INSTALLED BY THE 1. CONTRACTOR AFTER PLACEMENT OF THE AGGREGATE SUBBASE COURSE GRAVEL LAYER AND BEFORE PLACEMENT OF EMBANKMENT FILL.
- 2. PREFABRICATED VERTICAL DRAINS SHALL BE SPACED AT 5 FEET ON CENTER, LEFT AND RIGHT OF CENTERLINE. SPACING SHALL BE PARALLEL TO EMBANKMENT CENTERLINE AND ADJUSTED AS NECESSARY AT CENTERLINE CURVES TO MAINTAIN 5 FEET SPACING FOR ALL VERTICAL DRAINS.
- PREFABRICATED VERTICAL DRAINS SHALL BE INSTALLED THROUGH UP 3. TO 3 FEET OF THE AGGREGATE SUBBASE GRAVEL AND PENETRATE TO A MINIMUM DEPTH OF 3 FEET BELOW THE BOTTOM OF THE MARINE CLAY STRATUM, OR MANDREL REFUSAL BELOW THE MARINE CLAY. INFORMATION ON SUBGRADE CONDITIONS IS PROVIDED IN THE TEST BORING LOGS.
- SETTLEMENT PLATFORMS SHALL BE INSTALLED ON THE AGGREGATE 4. SUBBASE COURSE GRAVEL PLACED OVER THE NATURALLY DEPOSITED INORGANIC SUBGRADE.



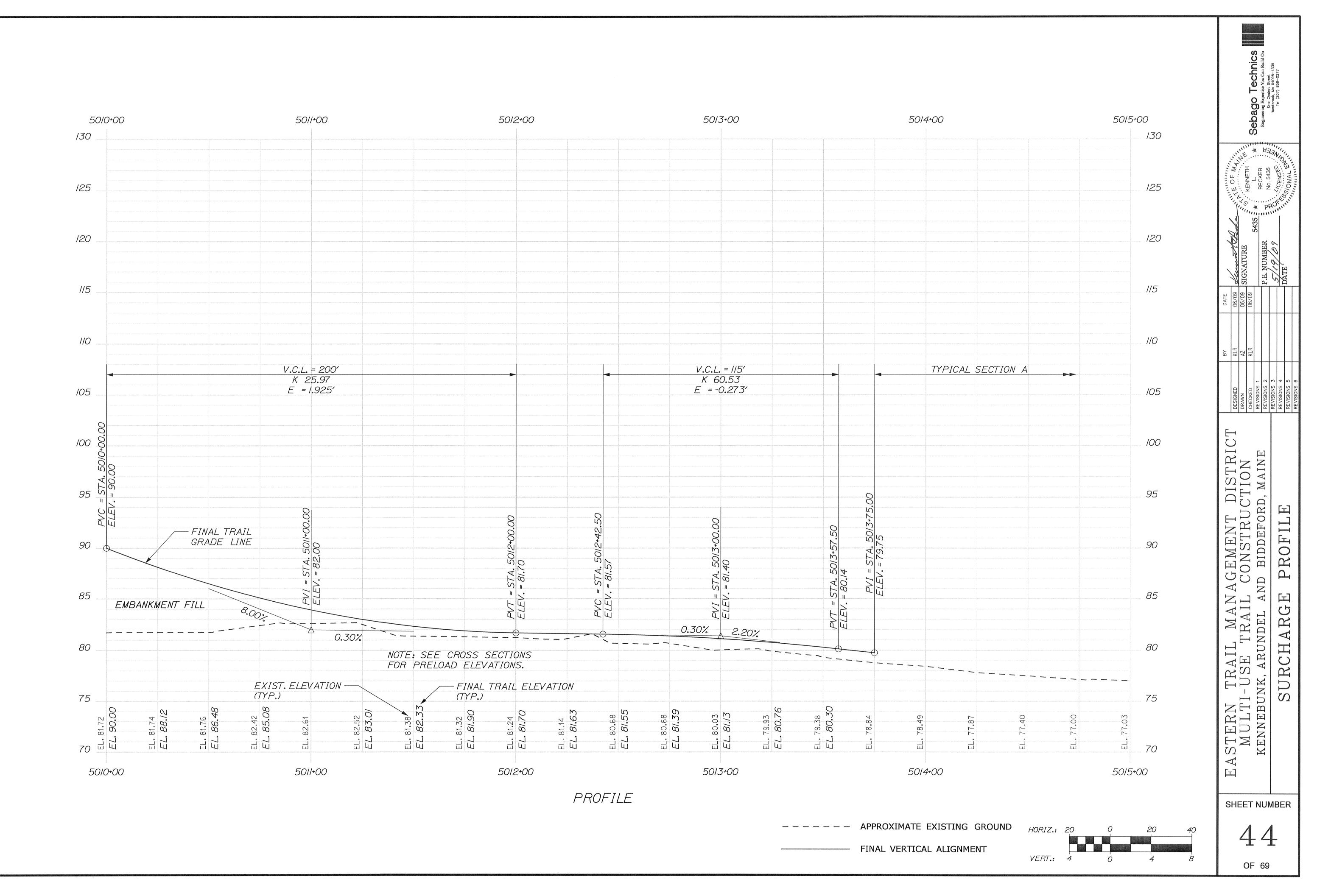




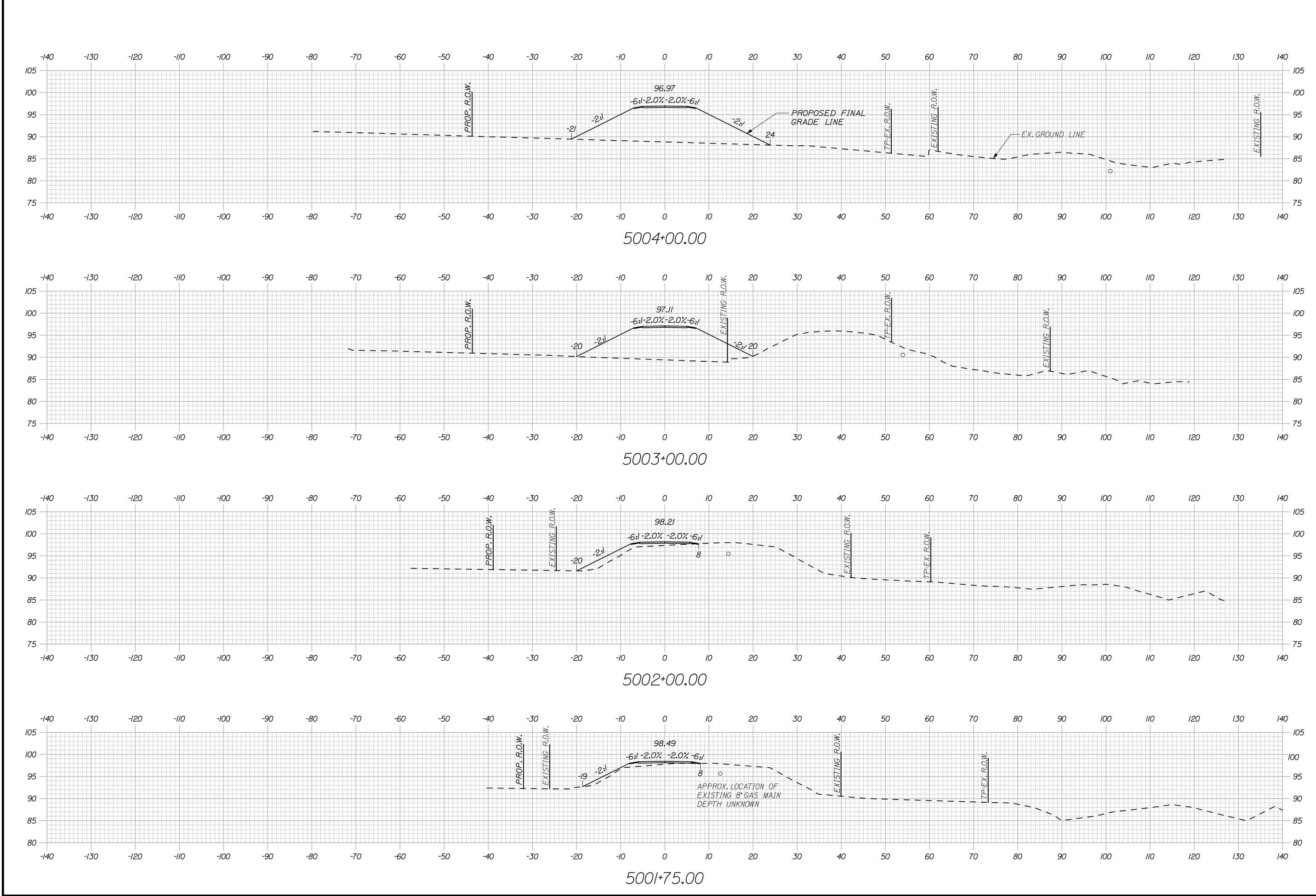


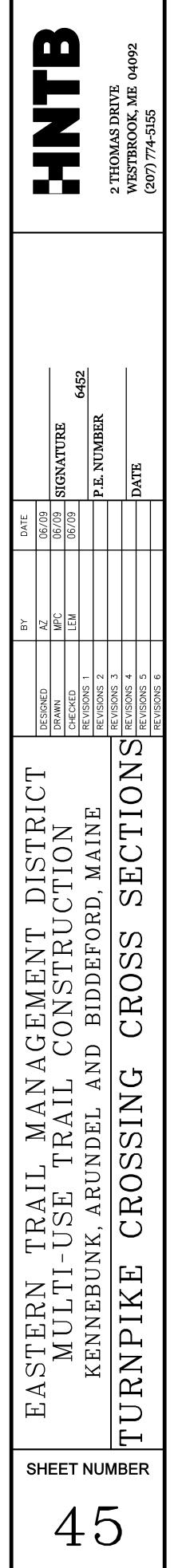


Date:5/19/2009



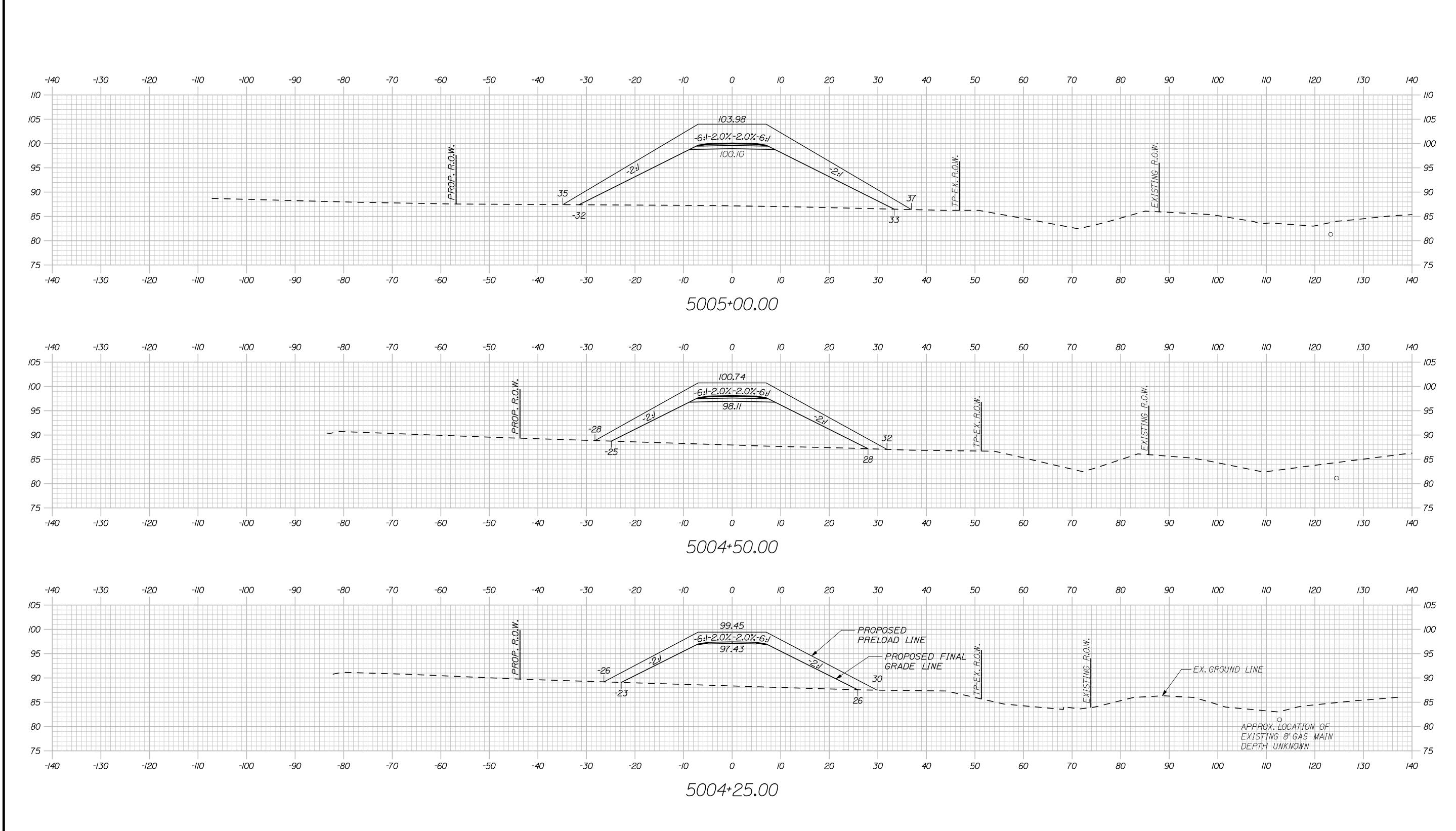
name: 044_TP-x-sing-PRELOAD profile1-3-20 scale.dg



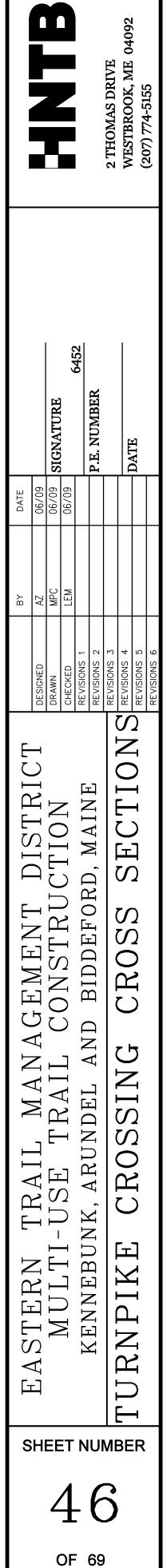


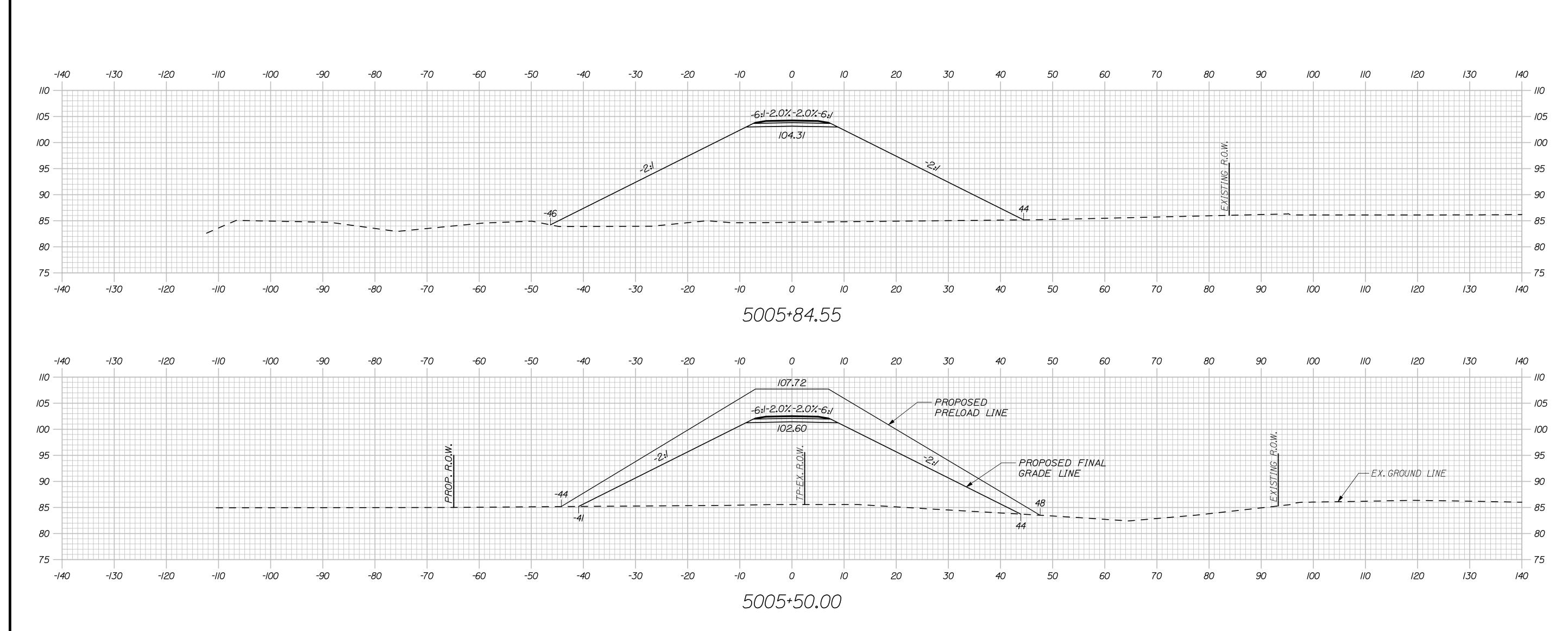
Sta. 5001+76.75 to Sta. 5004+00.00

OF 69



Username: mcundiff

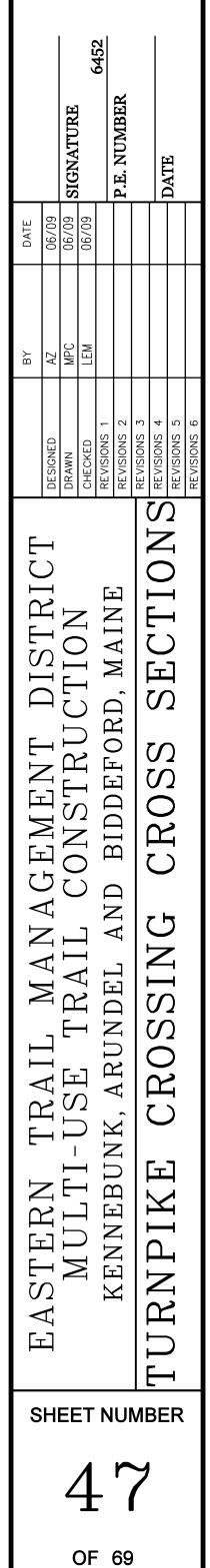


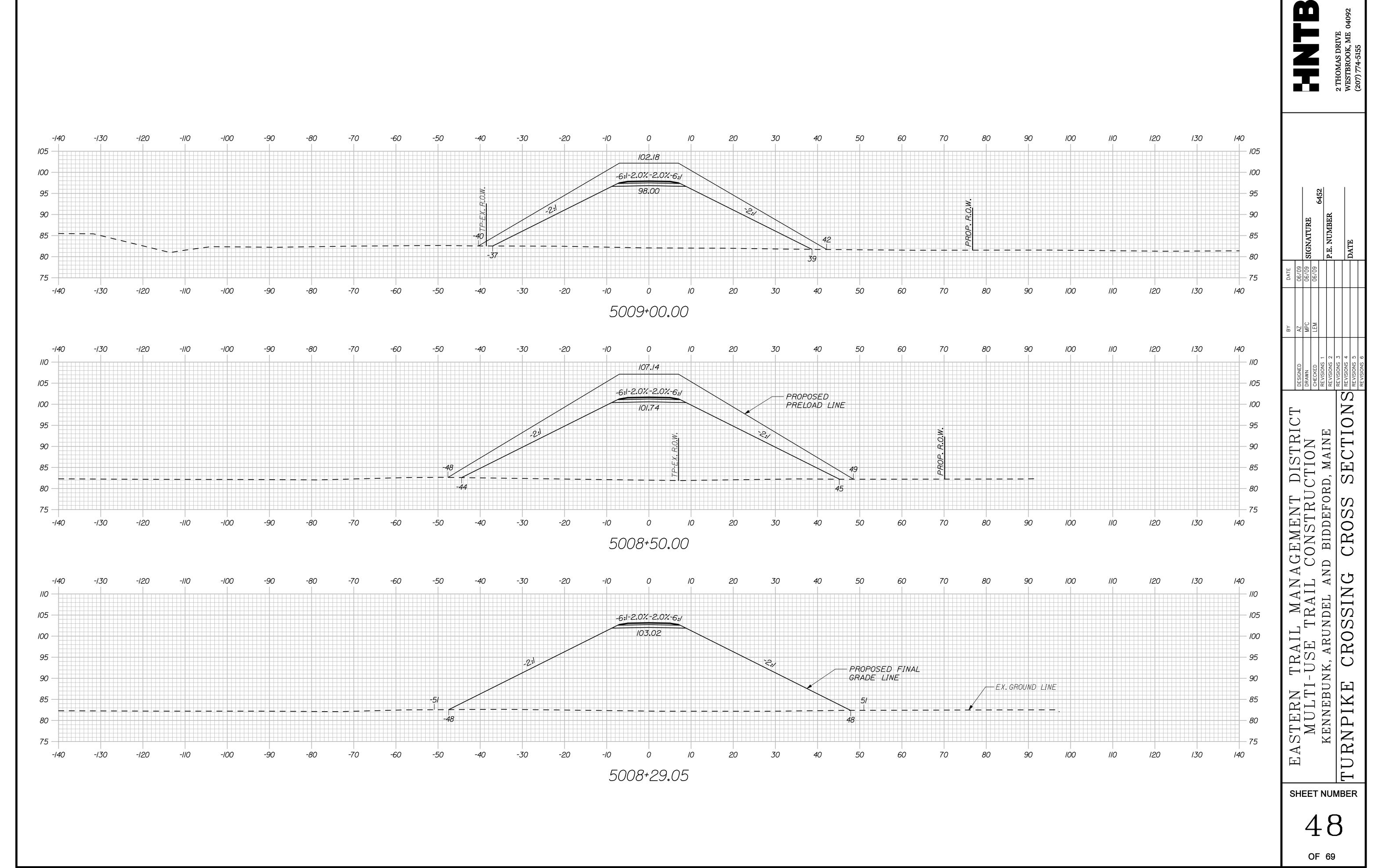


name: mcundiff

name: 047_Turnpike bridge approach cross sec**tionis**io**di**:d**b**RIDGE

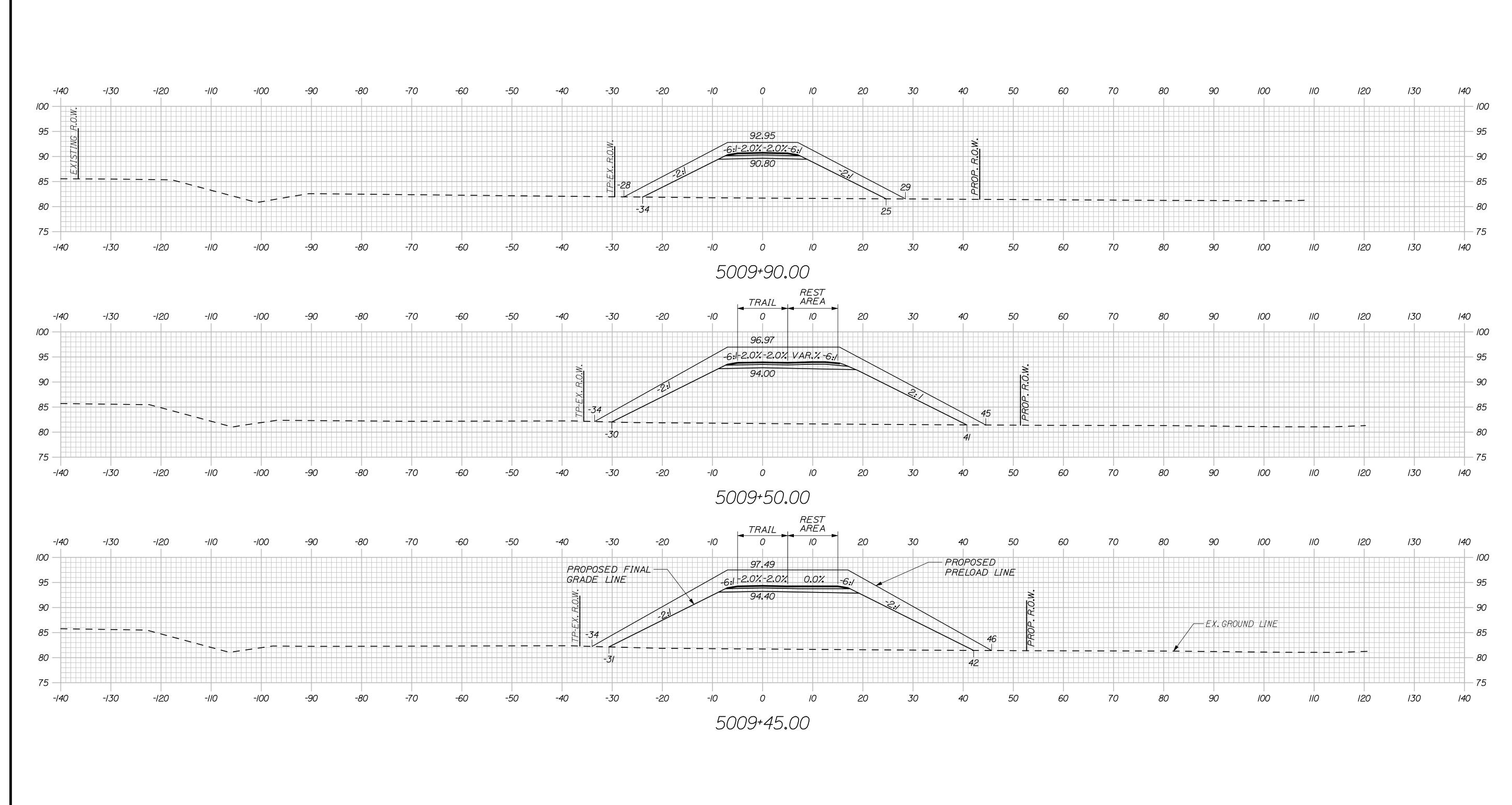






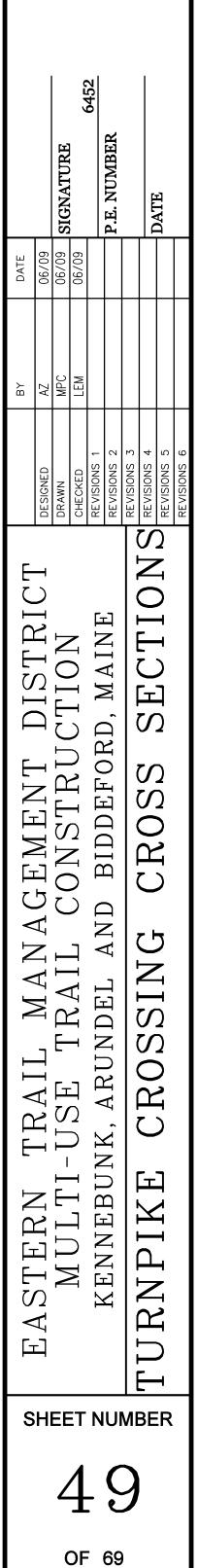
ec**tions**ion:dgRIDGE Username: mcund

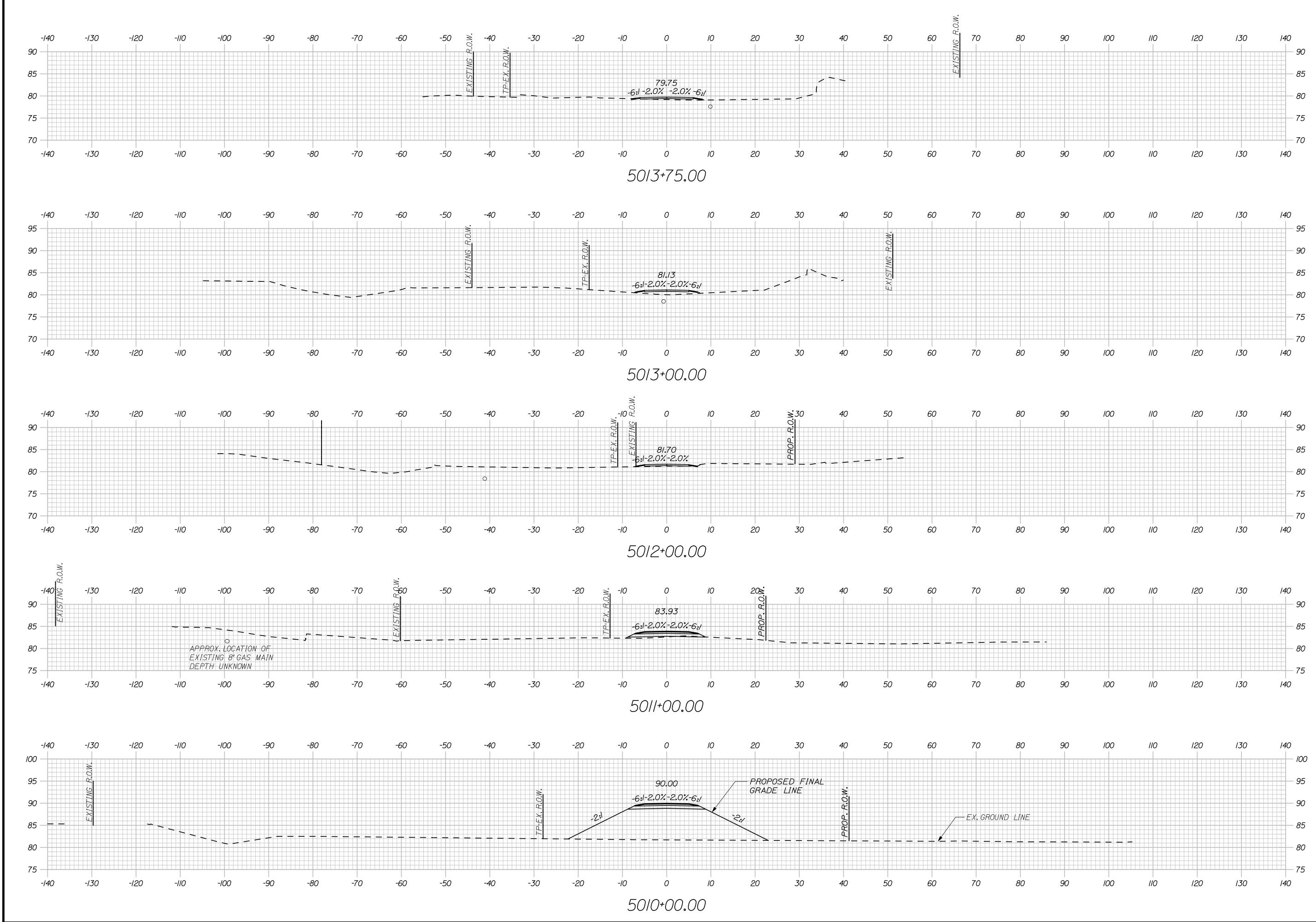
name: 048_Turnpike bridge approach cross sec**tionis**io4i:dg



Username: mcundiff

2 THOMAS DRIVE WESTBROOK, ME 04092 (207) 774-5155





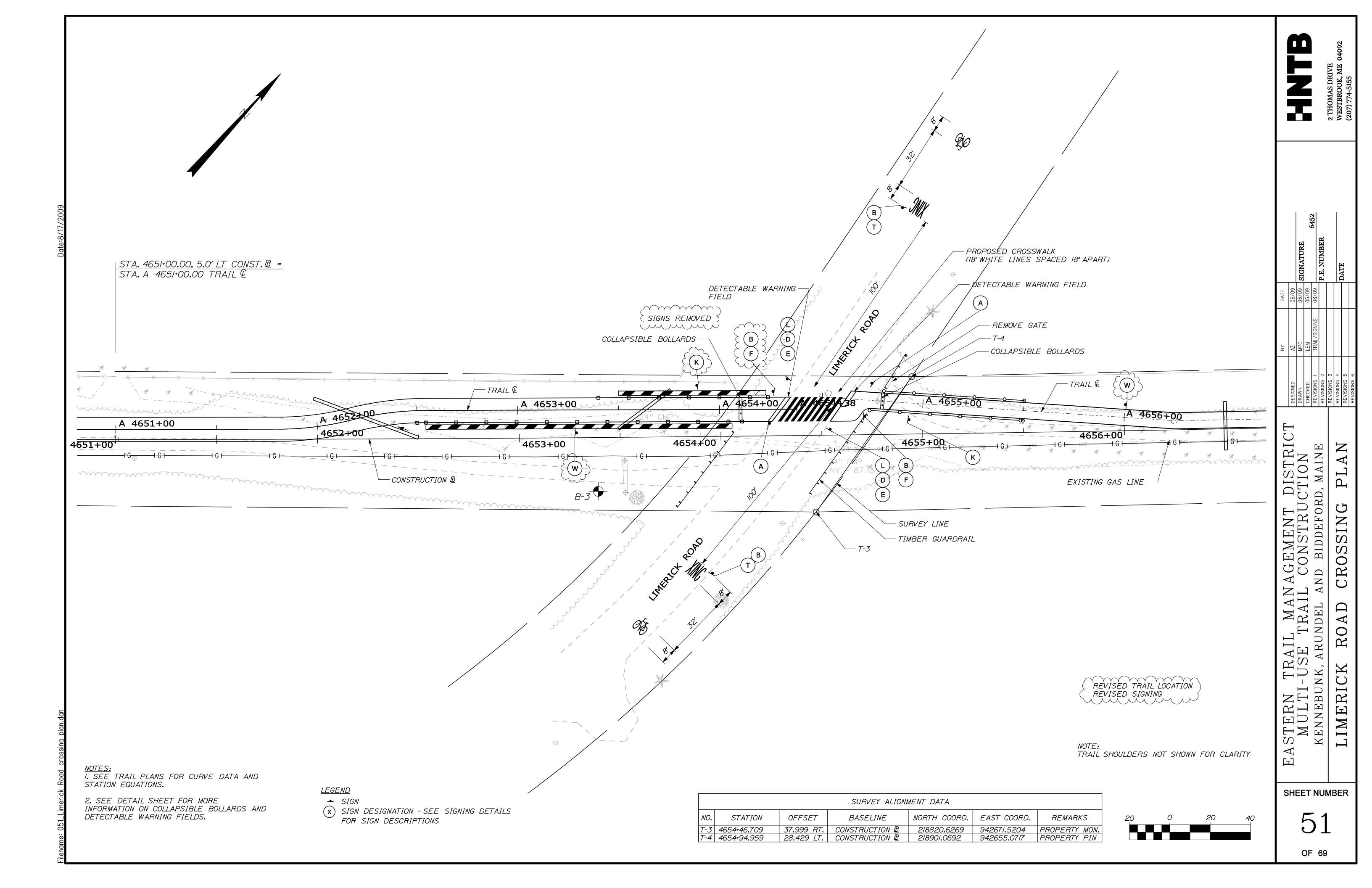
Username: mcundiff

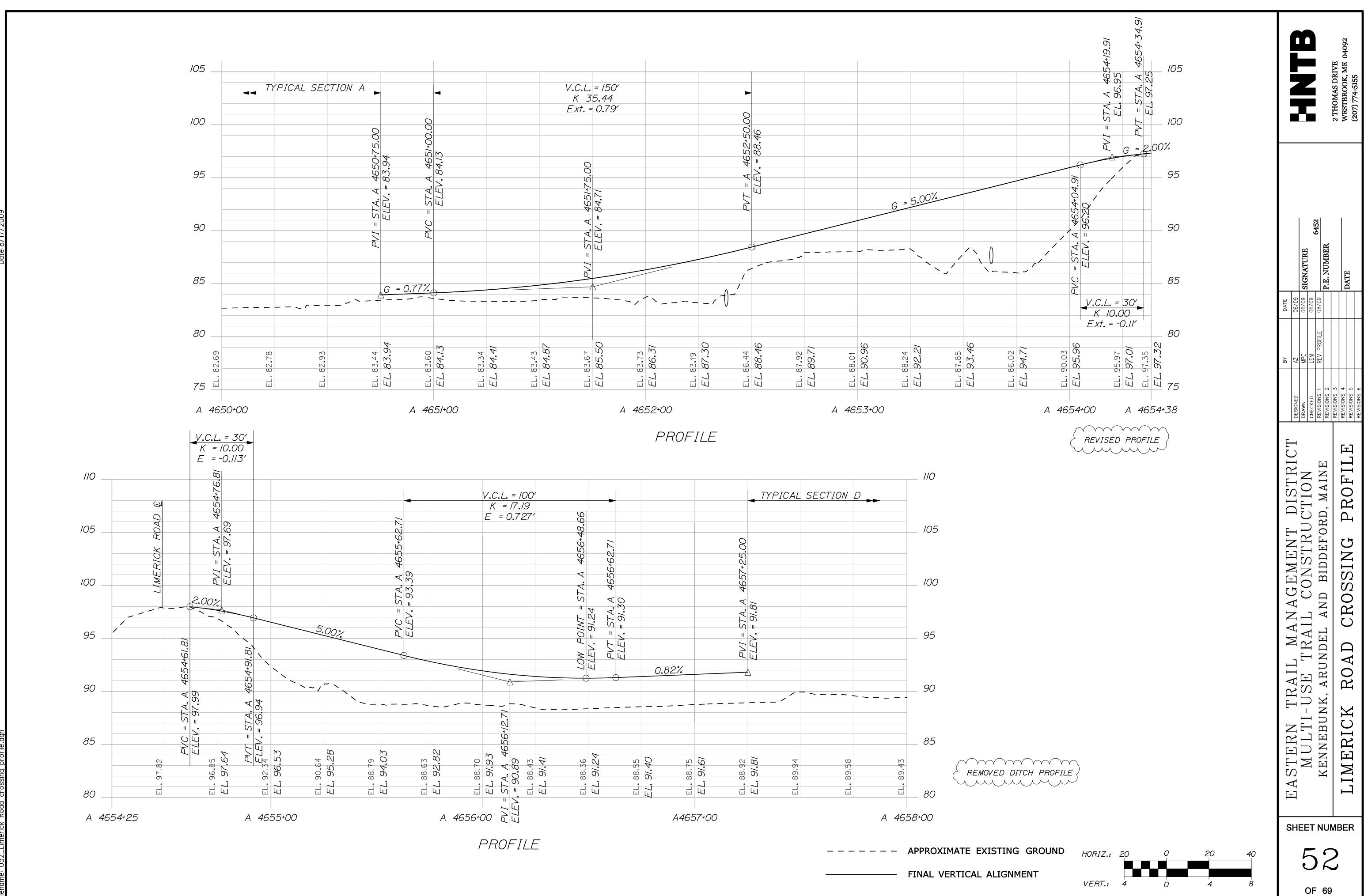


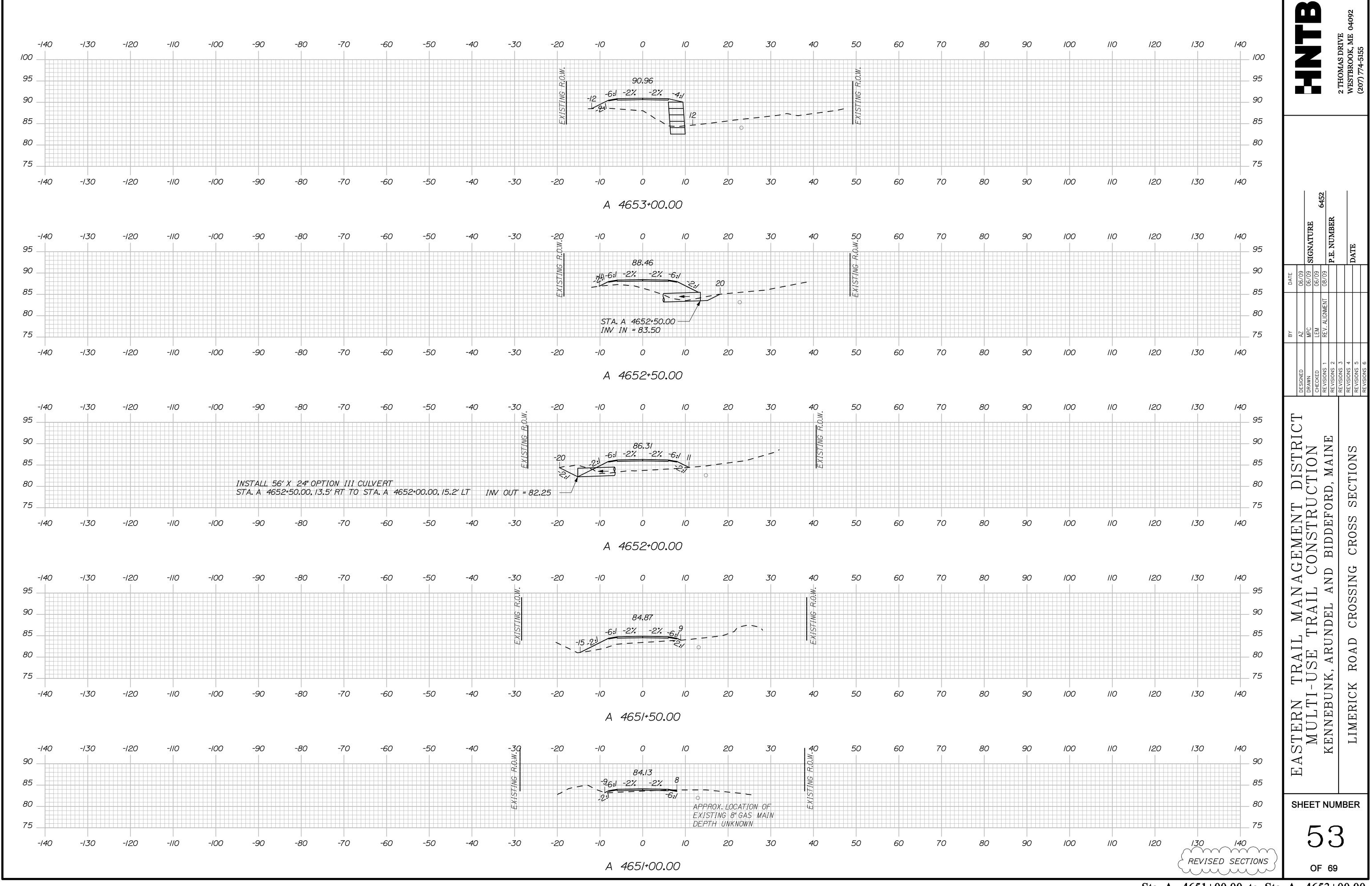
2 THOMAS DRIVE WESTBROOK, ME 04092 (207) 774-5155

		2			1		
	SIGNATURE	6452	P.E. NUMBER				
DATE 06/09	00/90	60 /00					
BY AZ	MPC						
DESIGNED	DRAWN	CHECKED REVISIONS 1	REVISIONS 2	REVISIONS 3	REVISIONS 4	REVISIONS 5	REVISIONS 6
2 EASTERN TRAIL MANAGEMENT DISTRICT	MULTI-USE T						
	۲ ر	-	()	-	-	
		F	69	-			

Sta. 5010+00.00 to Sta. 5013+58.42

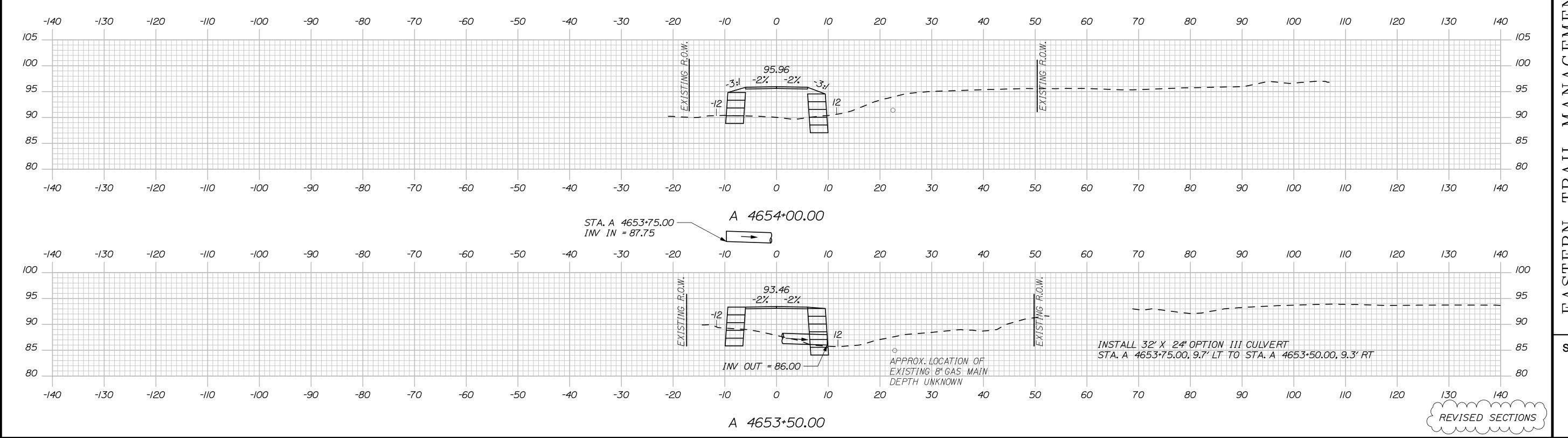






Sec Cross sing Cros: Road 053.

Sta. A 4651+00.00 to Sta. A 4653+00.00



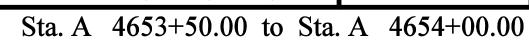
undiff D

rossing Cross Secti**@his**isloamev**BAUD**GEgn Userno

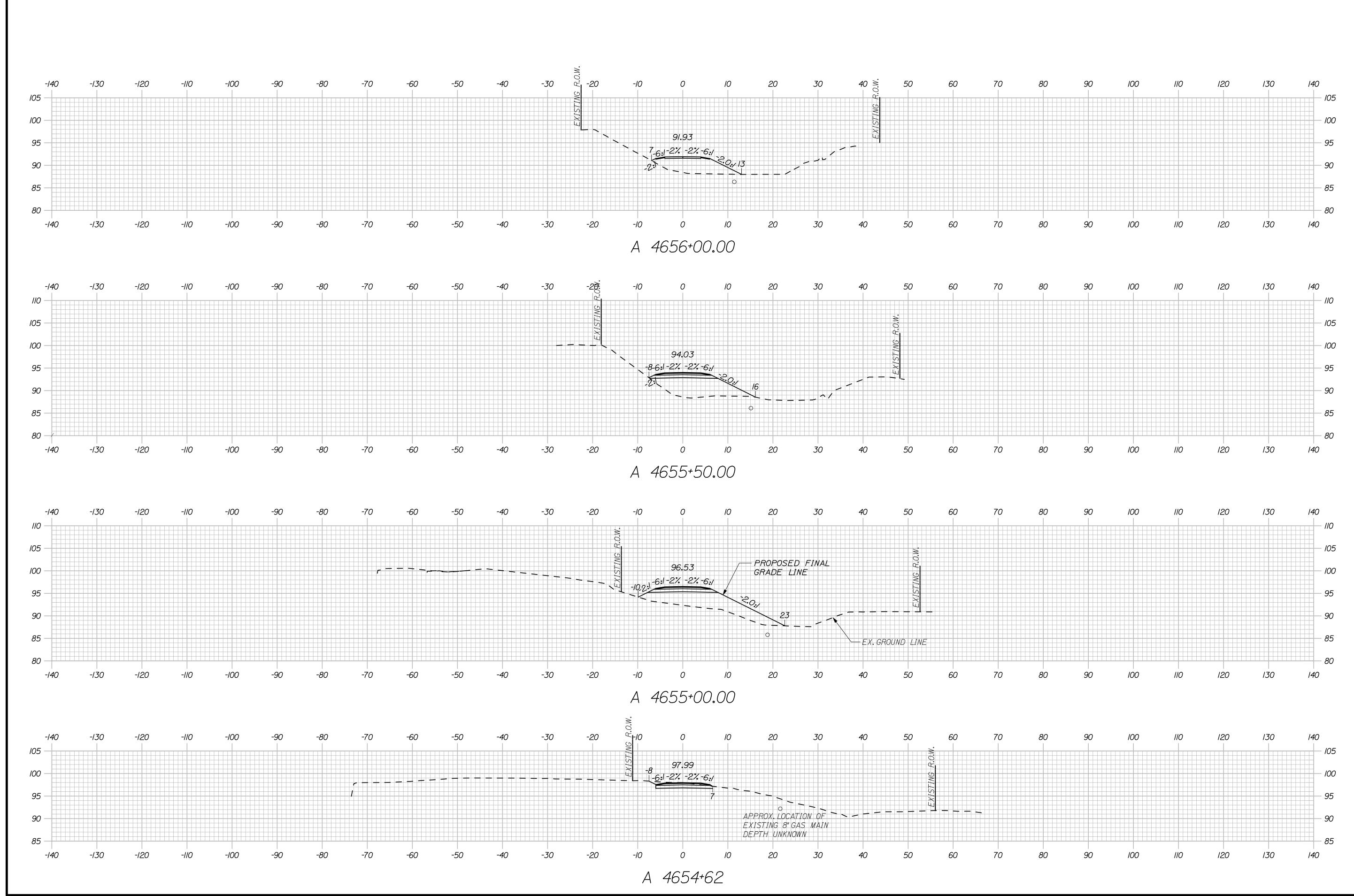
iecti**໖ຠ**ຑເຮໄ໔ຓຠຬຩ**ຆຆຨຒ**ຏຏຨ Use

STA.A 4654+30.00 MATCH EXISTING PAVEMENT

S			ВҮ	DATE		
HI		DESIGNED	AZ	06/09		
EE L	MITTTLTICE TRAIL CONSTRUCTION	DRAWN	MPC	06/09 SIGNATUR	ATURE	
	ONTONION TIVITI TOO	CHECKED	LEM LEM	06/09		
N)	A DIINIDEI AND	REVISIONS 1	REV. ALIGNMENT (08/09	7040	
	RENNEDONN, ANONDEL AND DIDDEFOND, MAINE	REVISIONS 2		P.E. N	P.E. NUMBER	
м 1		REVISIONS 3				2 THOMAS DRIVE
3E		REVISIONS 4				WESTBROOK, ME, 04092
R	Ŋ	REVISIONS 5		DALE	_	
		REVISIONS 6				CCTC-4// (/0Z)



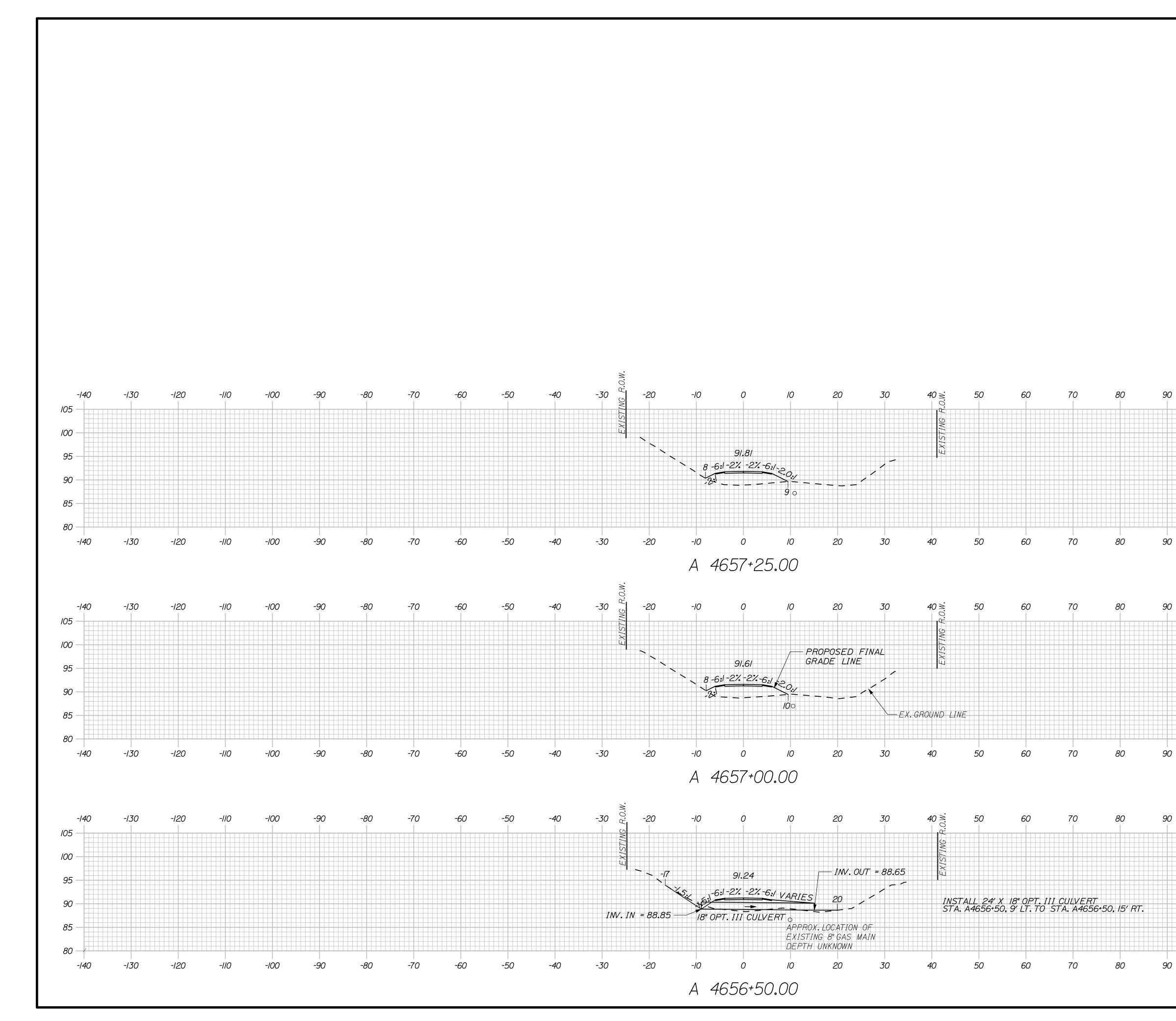
OF 69



2 THOMAS DRIVE WESTBROOK, ME 04092 (207) 774-5155

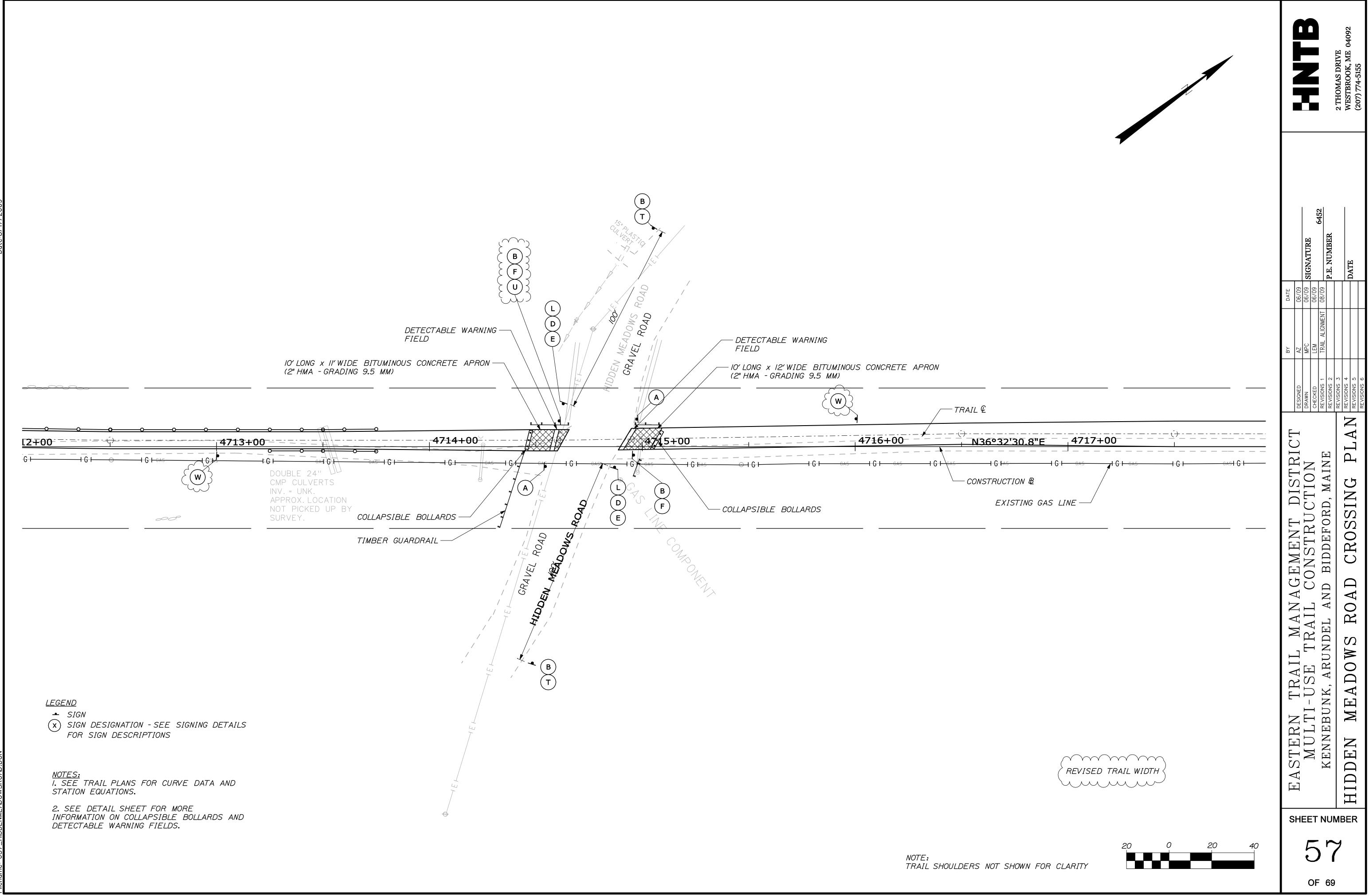
	JRE		7640	IBER				
	06/09 SIGNATURE			P.E. NUMBER			DALE	
DATE 06/09	0/90	06/00						
BY A7	MPC	LEM						
DESIGNED	DRAWN	CHECKED	REVISIONS 1	REVISIONS 2	REVISIONS 3	REVISIONS 4	REVISIONS 5	REVISIONS 6
EASTERN TRAIL MANAGEMENT DISTRICT	TISE TI		LENNEDING ADIMPLIAND BIDDEDD MAINE	NUNDER AND DIDDEROND, MAIN		SUCTADE SOLD SUCCESSING SUCCESSIONS	CONTO DATECONO ARON	
SH	EE F				_	3E	R	
)F		ر 69				

Sta. 4654+61.81 to Sta. 4656+00.00

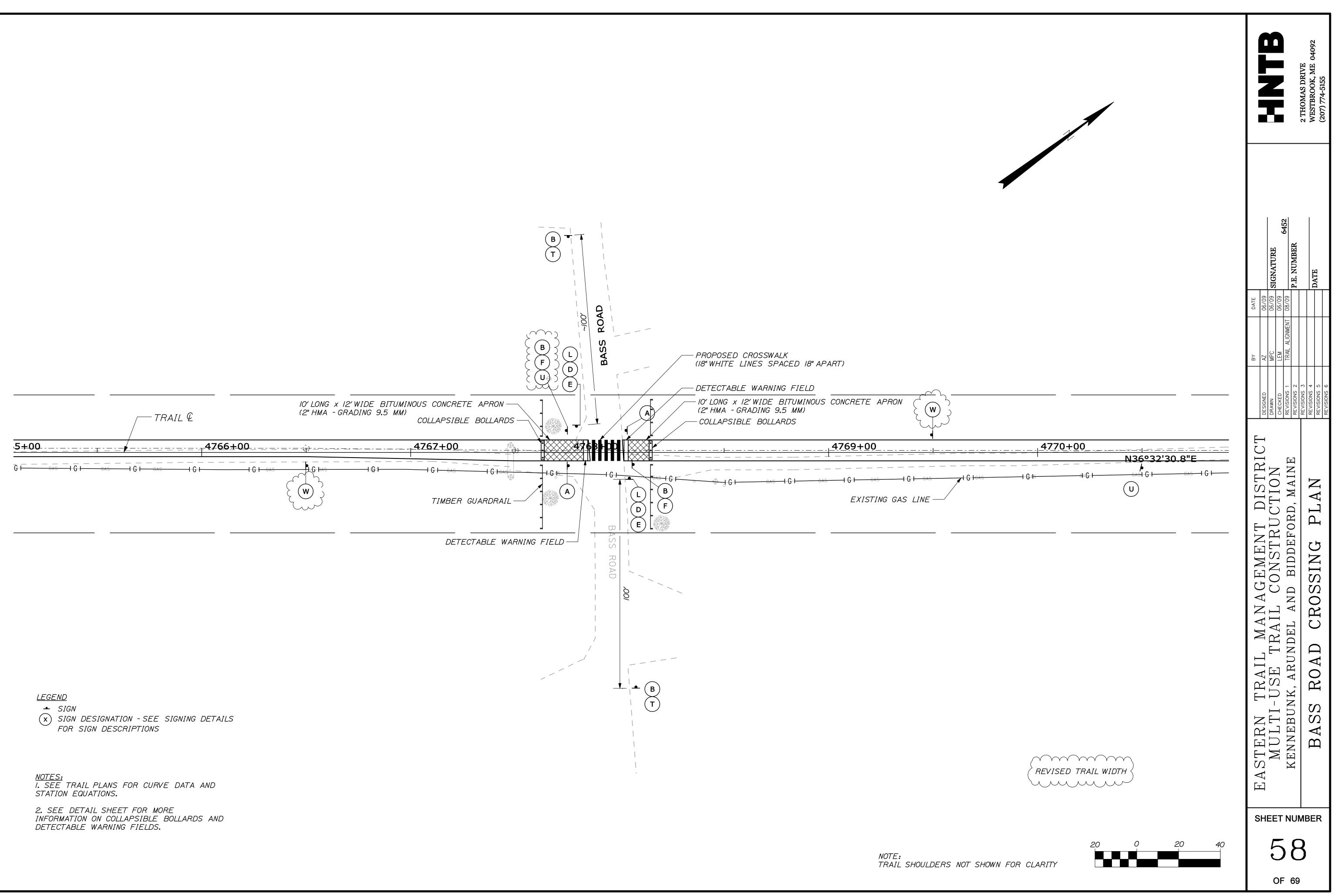


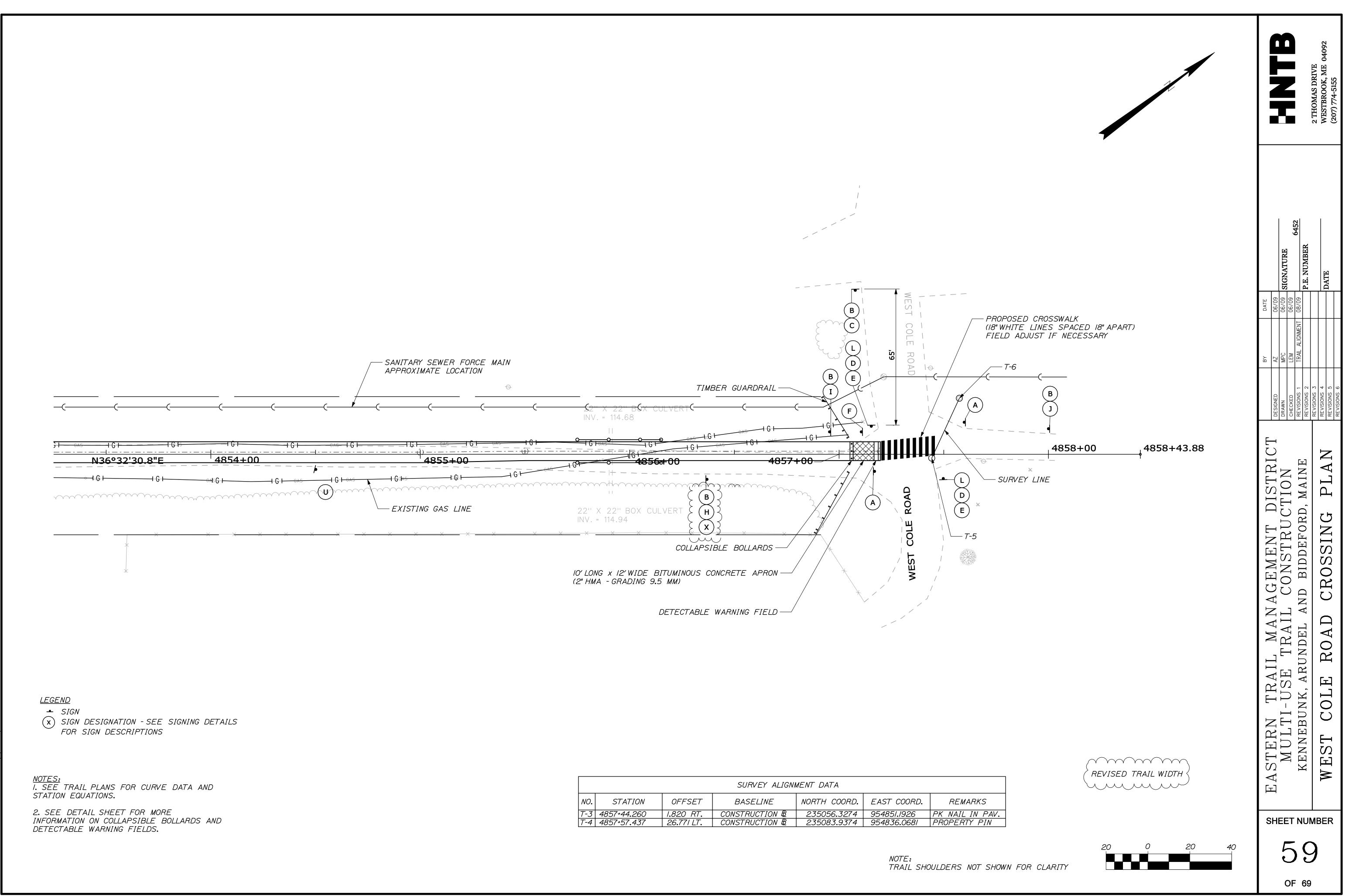
				2 THOMAS DRIVE WESTBROOK, ME 04092 (207) 774-5155
				DATE 06/09 SIGNATURE 06/09 SIGNATURE 06/09 6452 08/09 6452 08/09 F.E. NUMBER DATE DATE
110	120	130	140 	BY AZ MPC LEM DRAINAGE
			- 100	DESIGNED DRAWN CHECKED REVISIONS 1 REVISIONS 2 REVISIONS 2 REVISIONS 3 REVISIONS 5 REVISIONS 6
110	120	/30	90 85 80 140	r district Uction ord, maine sections
			140 105 100 100 95	AGEMENT CONSTRU ND BIDDEFO
110	120	130	90 85 80 140	TERN TRAIL MANAGEMEN MULTI-USE TRAIL CONSTF Ennebunk, arundel and biddef Limerick road crossing cross
			140 105 100 95	EASTERN TRAIL MANAGEMENT DISTRICT MULTI-USE TRAIL CONSTRUCTION KENNEBUNK, ARUNDEL AND BIDDEFORD, MAINE LIMERICK ROAD CROSSING CROSS SECTIONS
			90	SHEET NUMBER
110	120	130	80 140	56 OF 69

OF 69

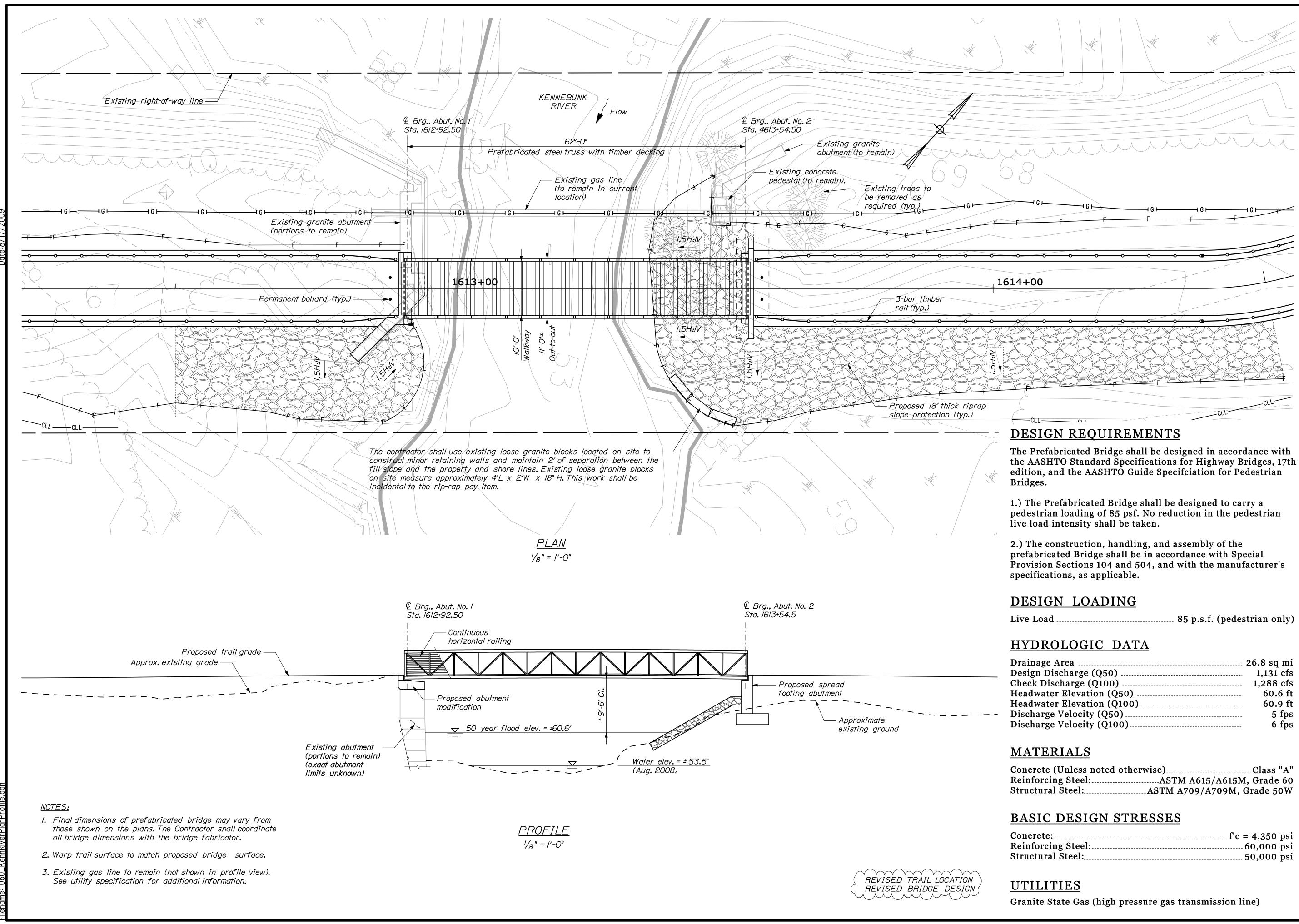








				SURVEY ALIGN	MENT DATA		
	NO.	STATION	OFFSET	BASELINE	NORTH COORD.	EAST COORD.	REMARKS
Ī	T-3	4857+44.260	1.820 RT.	CONSTRUCTION ${\cal B}$	235056.3274	954851.1926	PK NAIL IN P
	T-4	4857+57.437	26.771 LT.	CONSTRUCTION B	235083.9374	954836.0681	PROPERTY PII



ainage Area	26.8 sq mi
sign Discharge (Q50)	1,131 cfs
eck Discharge (Q100)	1,288 cfs
adwater Elevation (Q50)	60.6 ft
adwater Elevation (Q100)	60.9 ft
scharge Velocity (Q50)	5 fps
scharge Velocity (Q100)	6 fps

ncrete (Unless noted	otherwise)Class "A"	
inforcing Steel:	ASTM A615/A615M, Grade 60	
uctural Steel:	ASTM A709/A709M, Grade 50W	

ncrete:	f'c = $4,350$ psi
inforcing Steel:	
ructural Steel:	

		םו	DAIE			
	DESIGNED	TRC	60/90			
	DRAWN	TRC	06/00	06/09 SIGNATURE		
	CHECKED	MDM	06/00	ļ		
N. A INTE	REVISIONS 1	TRAIL & BRIDGE	08/09	0422		
MAINE	REVISIONS 2			P.E. NUMBER		
	REVISIONS 3			2 TH	2 THOMAS DRIVE	
	REVISIONS 4				WESTBROOK, ME, 04092	
RUFILE	REVISIONS 5					
			Ĺ			

DI JCT] RD, M

CONSTRU D BIDDEFOF

L (

A I

 $\mathbb{N}_{\mathbb{A}}$

_ E

AIE

R^NN

ΠD

 \mathbf{Z}

ЕR

л Ц Ц Ц Ц

 \triangleleft

[±]

 \triangleleft

Ω

Z

 \triangleleft

DEL

Z

Ŋ

R

 \triangleleft

K

Ζ

 \Box

Щ

NE

EN

 $\mathbf{\Sigma}$

SHEET NUMBER

60

OF 69

Ц

 ∞

Ζ

A

ΡĽ

VER

RI

NK

NNEBU

ΓŢ

Х

PREFABRICATED BRIDGE NOTES:

I. THE PREFABRICATED BRIDGE SHALL BE DESIGNED IN ACCORDANCE WITH THE AASHTO STANDARD SPECIFICATIONS FOR HIGHWAY BRIDGES, 17TH EDITION BY EITHER WORKING STRESS DESIGN OR LOAD FACTOR DESIGN METHOD, AND IN ACCORDANCE WITH THE AASHTO GUIDE SPECIFICATION FOR PEDESTRIAN BRIDGES.

2. THE CONSTRUCTION, HANDLING, AND ASSEMBLY OF THE PREFABRICATED BRIDGE SHALL BE IN ACCORDANCE WITH SPECIAL PROVISION SECTIONS 104 AND 504, AND WITH THE MANUFACTURERS SPECIFICATIONS, AS APPLICABLE.

3. THE BRIDGE DESIGN LOADING SHALL INCLUDE A UNIFORM PEDESTRIAN LOAD OF 85 PSF. NO REDUCTIONS IN LOAD INTENSITY SHALL BE TAKEN.

4. GRANULAR BORROW SHALL MEET THE REQUIREMENTS OF SUBSECTION 703.19, MATERIAL FOR EMBANKMENT CONSTRUCTION.

5. TIMBER SAFETY RAIL ON THE APPROACHES WILL TERMINATE NEAR THE BACK FACE OF THE BACKWALL. THE BRIDGE SAFETY RAIL SHALL EXTEND BEYOND THE ENDS OF THE BRIDGE AND PROJECT OVER THE BACKWALL AS NEEDED TO ENSURE A GAP NO LARGER THAN 4" EXISTS BETWEEN THE TIMBER SAFETY RAIL AND END BRIDGE RAIL. AT THE CONTRACTORS OPTION, ALTERNATE MEANS OF ACHIEVING THIS RESULT MAY BE SUBMITTED FOR APPROVAL.

6. DESIGN AND DETAILING OF BRIDGE BEARINGS, ANCHORAGES, AND SLIDING PLATE EXPANSION JOINTS SHALL BE COMPLETED BY THE BRIDGE FABRICATOR.

GENERAL CONSTRUCTION NOTES

I.THE EXISTING HIGH PRESSURE GAS LINE SHALL REMAIN IN ITS CURRENT LOCATION FOR THE DURATION OF CONSTRUCTION. THE CONTRACTOR SHALL EXERCISE EXTREME CARE TO WHEN WORKING NEAR THE LINE. THE RESIDENT OR THE GAS LINE UTILITY'S REPRESENTATIVE SHALL HAVE THE RIGHT TO STOP WORK IMMEDIATELY IF THE GAS PIPELINE OR THE SAFETY OF THE PUBLIC ARE OR MIGHT BE NEGATIVELY IMPACTED. SEE SPECIAL PROVISION SECTION 104 FOR ADDITIONAL REQUIREMENTS.

2. PLACE A TWO FOOT WIDE STRIP OF TEMPORARY EROSION CONTROL BLANKET ALONG THE TOP OF THE RIPRAP.

3. ALL EXCAVATED MATERIAL, EXCEPT WETLAND GRUBBINGS, SHALL BE USED AS COMMON BORROW.

4. ALL EMBANKMENT MATERIAL, EXCEPT AS OTHERWISE SHOWN, SHALL BE COMMON BORROW.

5. PLACE LOAM, 2 INCHES DEEP, ON SIDE SLOPES BETWEEN LIMITS OF WORK.

6. THE CONTRACTOR SHALL RE-POINT THE MORTARED JOINTS ON THE EXISTING ABUTMENTS AS DIRECTED BY THE RESIDENT. THIS WORK SHALL BE COMPLETED ON A TIME AND MATERIALS BASIS AND SHALL BE PAID UNDER ITEM 502.60 "PORTLAND CEMENT MORTAR" AND ITEM 629.05 "HAND LABOR, STRAIGHT TIME".

7. PLANS FOR THE EXISTING BRIDGE ABUTMENTS ARE NOT AVAILABLE.

8. ABUTMENT DESIGN IS BASED ON 12 "FROM THE TOP OF DECK TO THE BEARING SEAT. ADJUSTMENTS SHALL BE MADE TO THE BEARING SEAT ELEVATIONS TO ACCOMMODATE THE SUPERSTRUCTURE IF ACTUAL DIMENSIONS VARY. ADJUSTMENTS OF MORE THAN SIX INCHES REQUIRE APPROVAL BY THE ENGINEER.

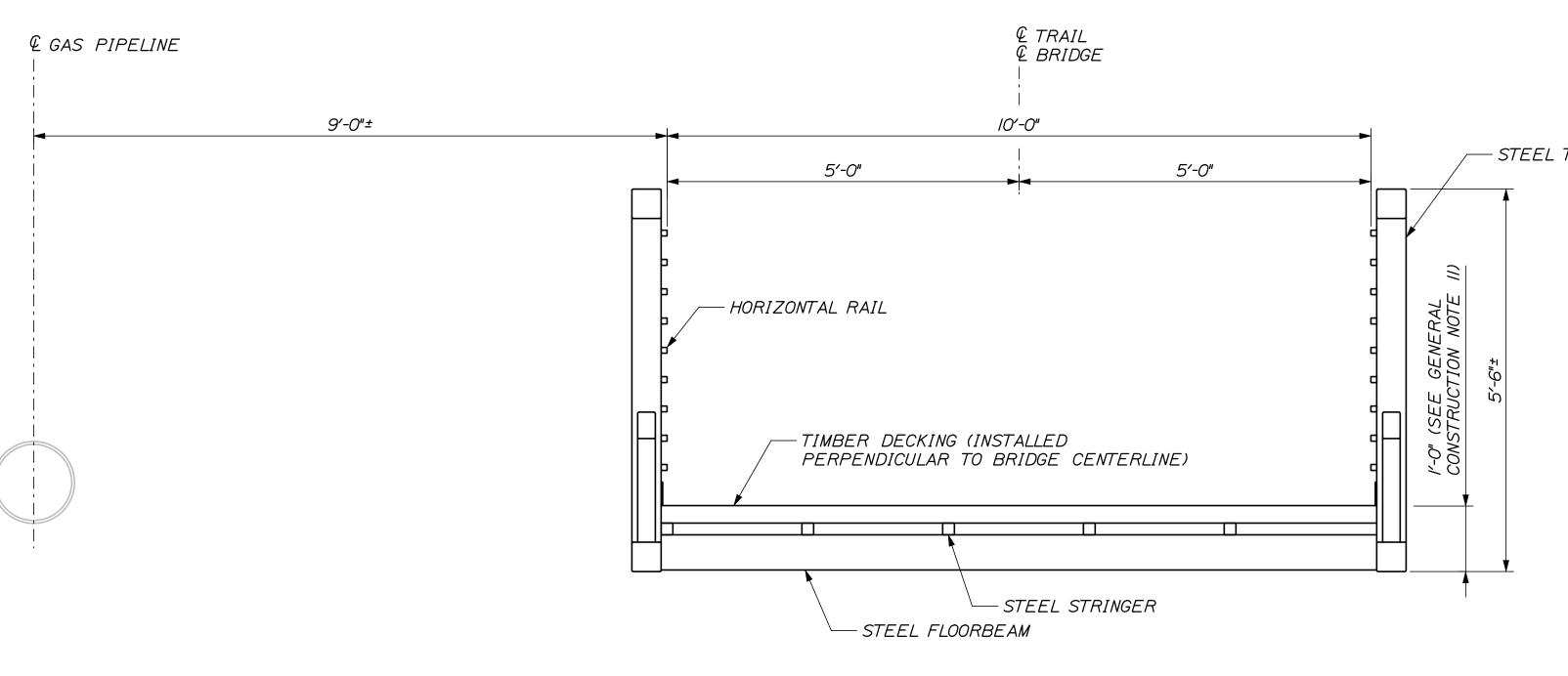
9. DIMENSIONS PROVIDED FOR THE EXISTING ABUTMENTS ARE APPROXIMATE AND SHALL BE FIELD VERIFIED BY THE CONTRACTOR PRIOR TO THE START OF CONSTRUCTION AND BRIDGE FABRICATION.

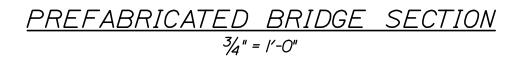
IO. AT THE CONTRACTORS OPTION ABUTMENT #2 MAY BE CONSTRUCTED FROM COMPONENTS PRECAST OFF SITE. IF THE OPTION TO UTILIZE PRECAST COMPONENTS IS EXERCISED THE CONTRACTOR SHALL SUBMIT DESIGN COMPUTATIONS AND DETAILS FOR THE PROPOSED WORK TO THE RESIDENT FOR APPROVAL. THE CALCULATIONS AND DETAILS SHALL BE STAMPED BY A PROFESSIONAL ENGINEER LICENSED IN THE STATE OF MAINE. THE PRECAST FOUNDATION SHALL BE DESIGNED IN ACCORDANCE WITH AASHTO SPECIFICATIONS AND THE "GUIDELINES FOR ACCELERATED BRIDGE CONSTRUCTION, USING

PRECAST/PRESTRESSED CONCRETE COMPONENTS" PUBLISHED BY THE PCI NORTHEAST BRIDGE TECHNICAL COMMITTEE. NO ADDITIONAL PAYMENT WILL BE MADE FOR THE USE OF PRECAST COMPONENTS.

II. ALL DIMENSIONS MARKED + ARE APPROXIMATE OR SUBJECT TO CHANGE BASED ON THE FABRICATORS BRIDGE DESIGN. THE CONTRACTOR SHALL PLAN AND COORDINATE HIS WORK ACCORDINGLY.

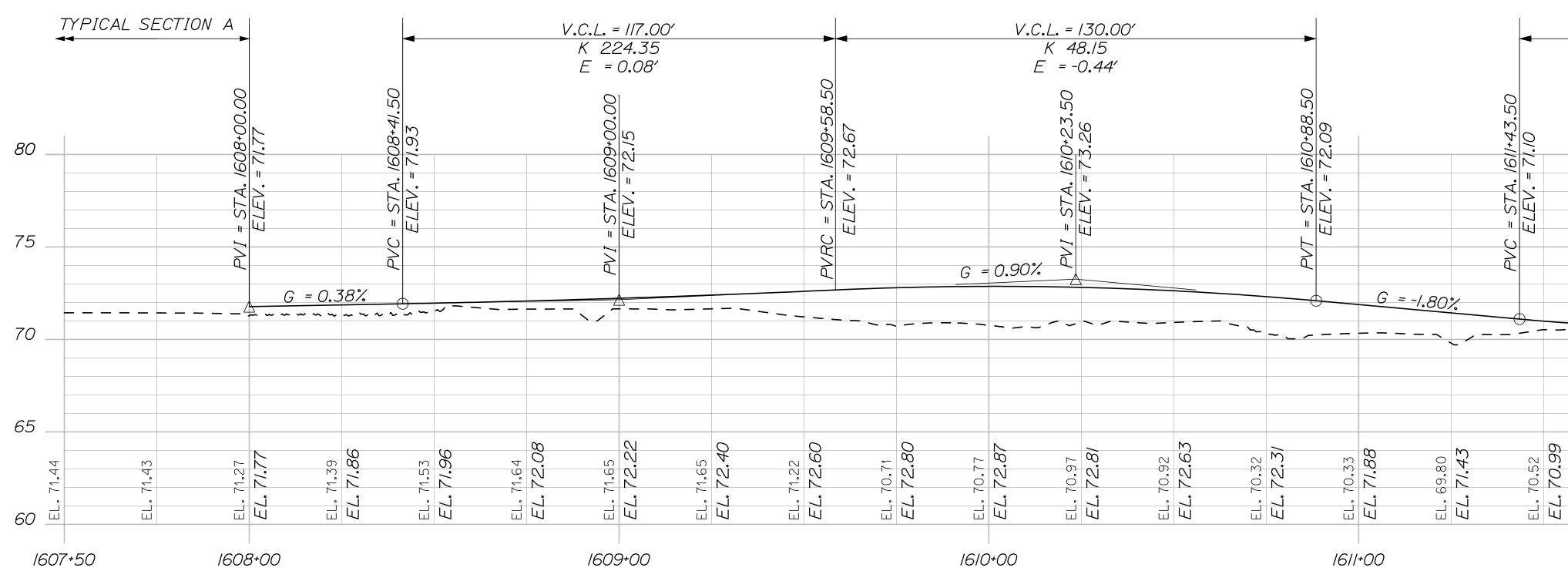
12. FABRICATION, DELIVERY, AND PLACEMENT OF REINFORCING STEEL SHALL BE INCIDENTAL TO ITEM 502.219 "STRUCTURAL CONCRETE ABUTMENTS AND RETAINING WALLS".





STEEL TRUSS	340 COUNTY ROAD, WESTBROOK, ME 0 (207) 774-5155
	EASTERN TRAIL MANAGEMENT DISTRICT MULTI-USE TRAIL CONSTRUCTION KENNEBUNK, ARUNDEL AND BIDDEFORD, MAINE KENNEBUNK ARUNDEL AND BIDDEFORD, MAINE GENERAL NOTES AND DETAILS GENERAL NOTES AND DETAILS
	SHEET NUMBER
REVISED NOTES REVISED BRIDGE SECTION	61
	OF 69

), SUITE 04092

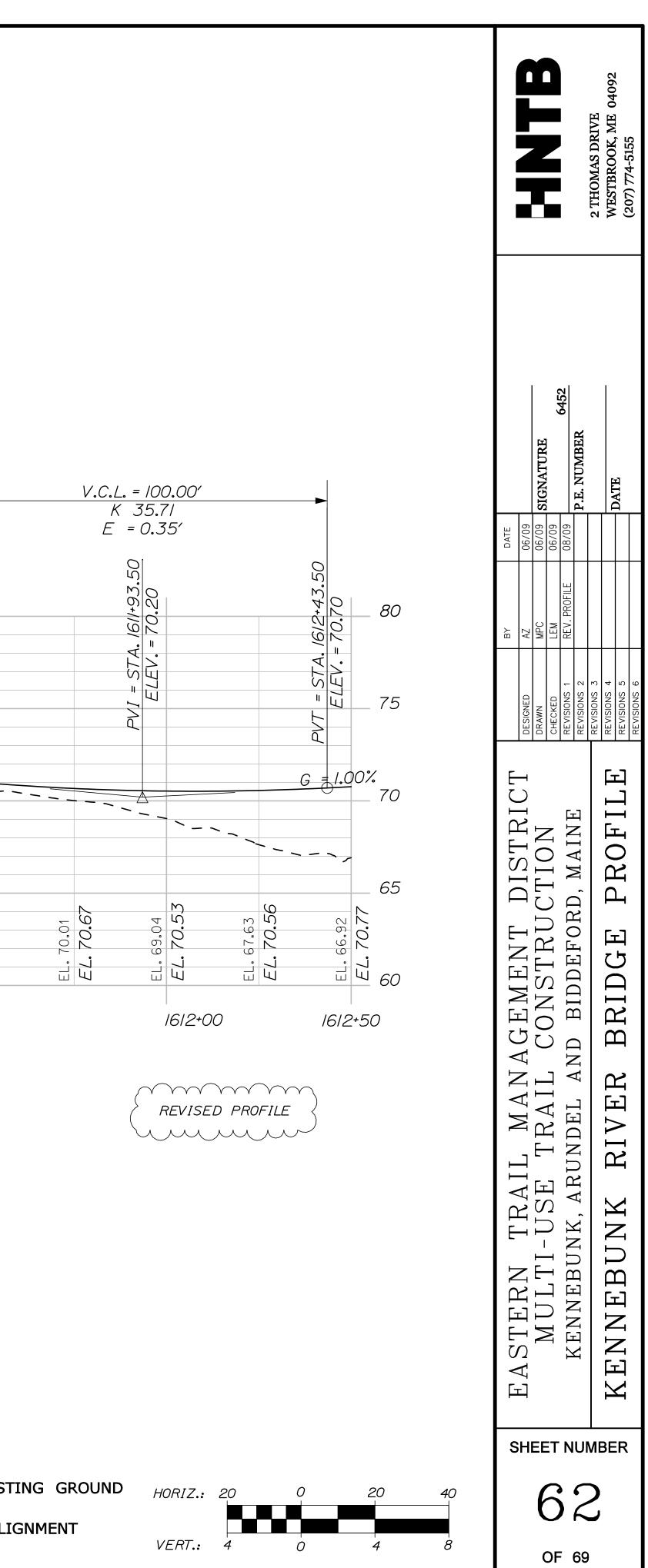


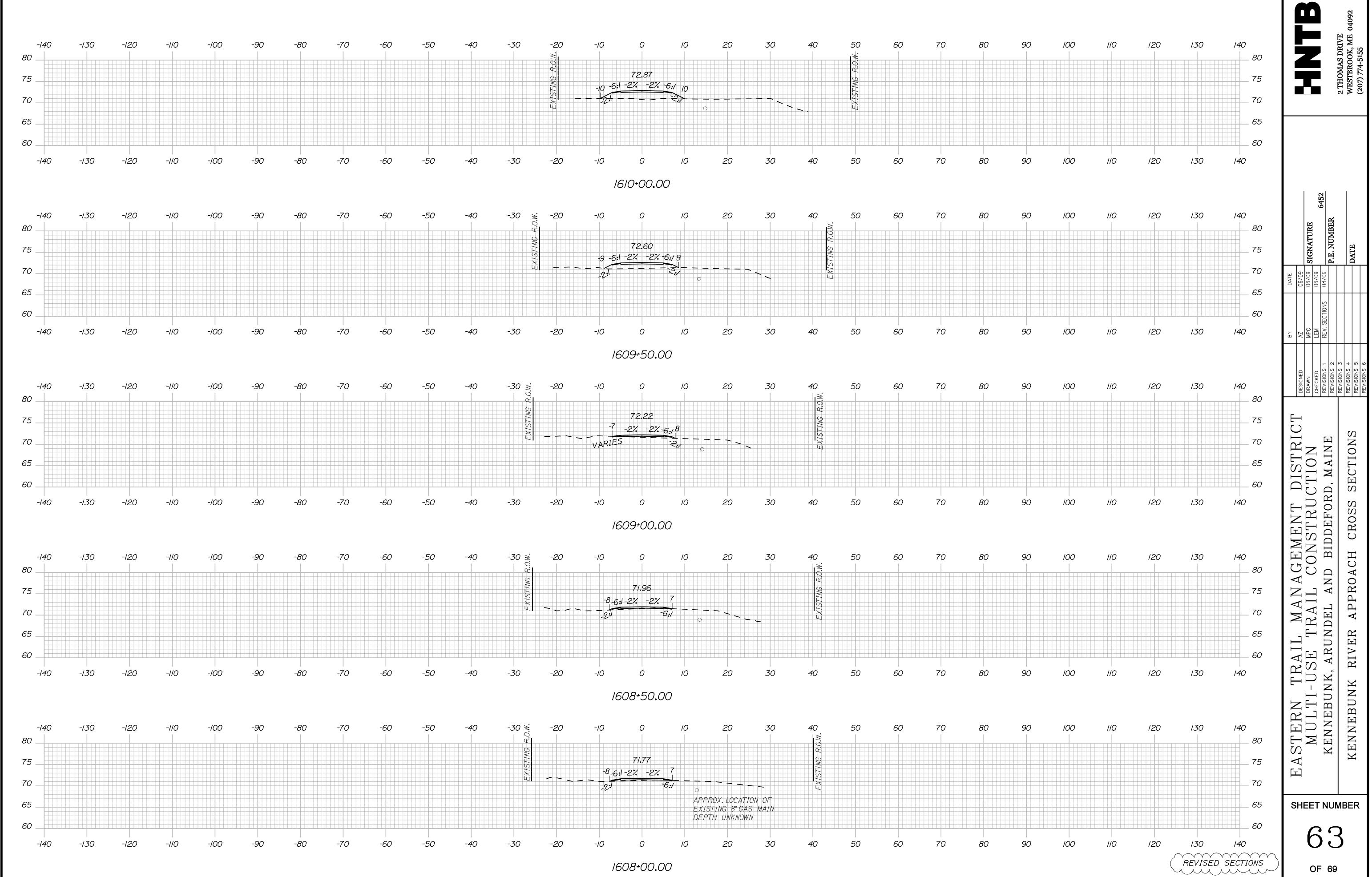
ame: 062_Kenebunk River approach profile 1.dc

PROFILE

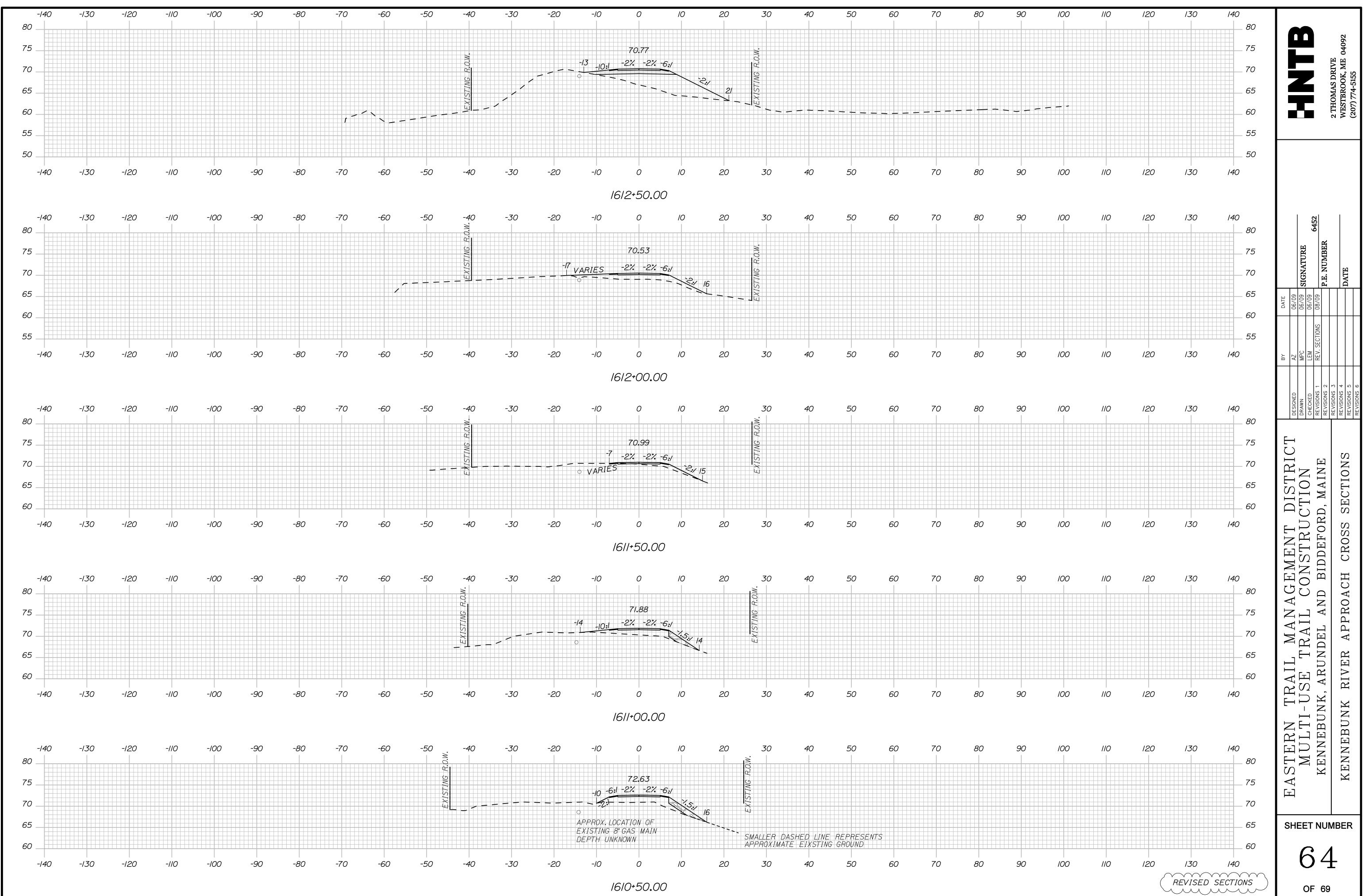
-- APPROXIMATE EXISTING GROUND

— FINAL VERTICAL ALIGNMENT

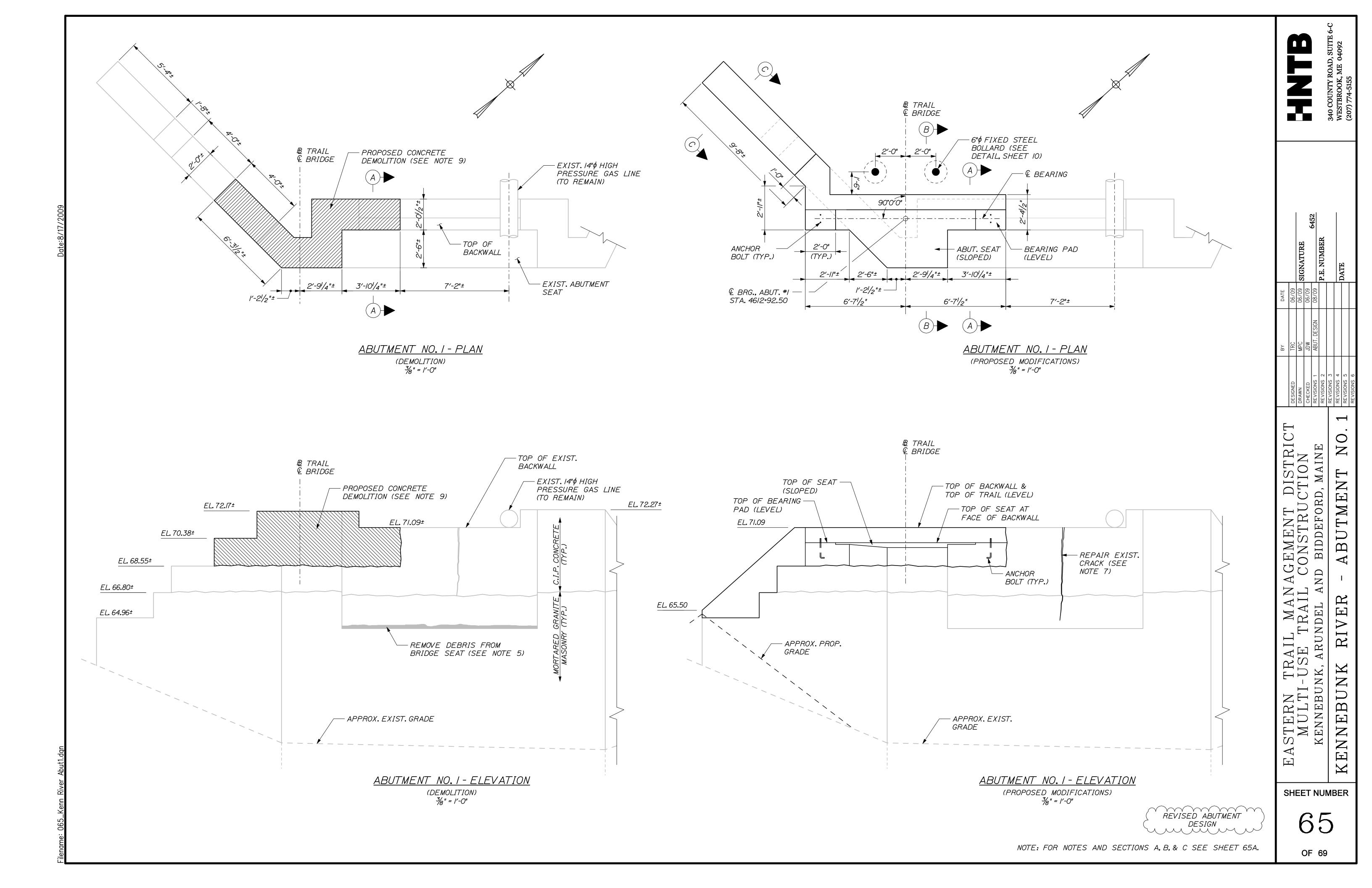


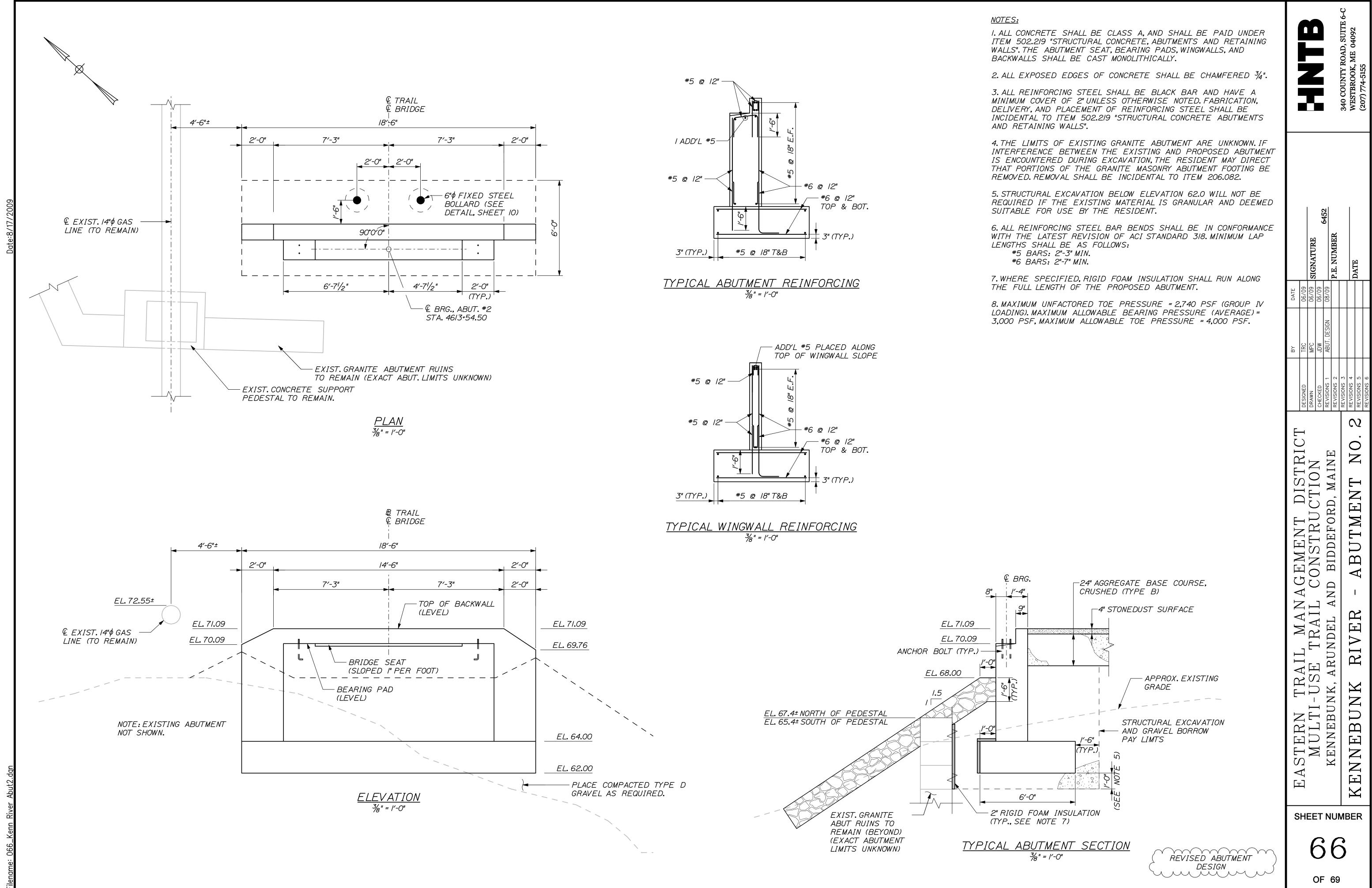


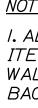
Sta. 1608+00.00 to Sta. 1610+00.00

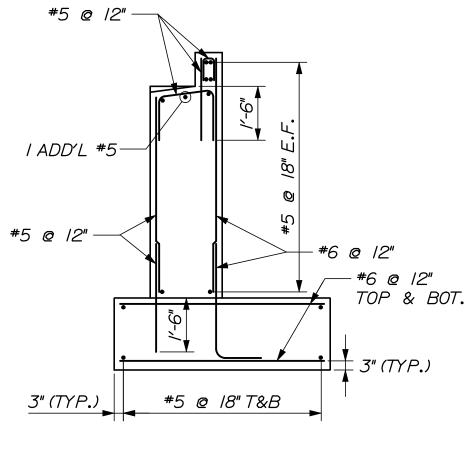


Sta. 1610+50.00 to Sta. 1612+50.00

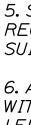


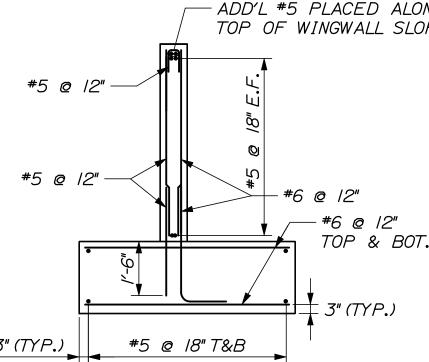


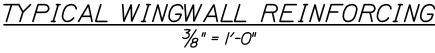


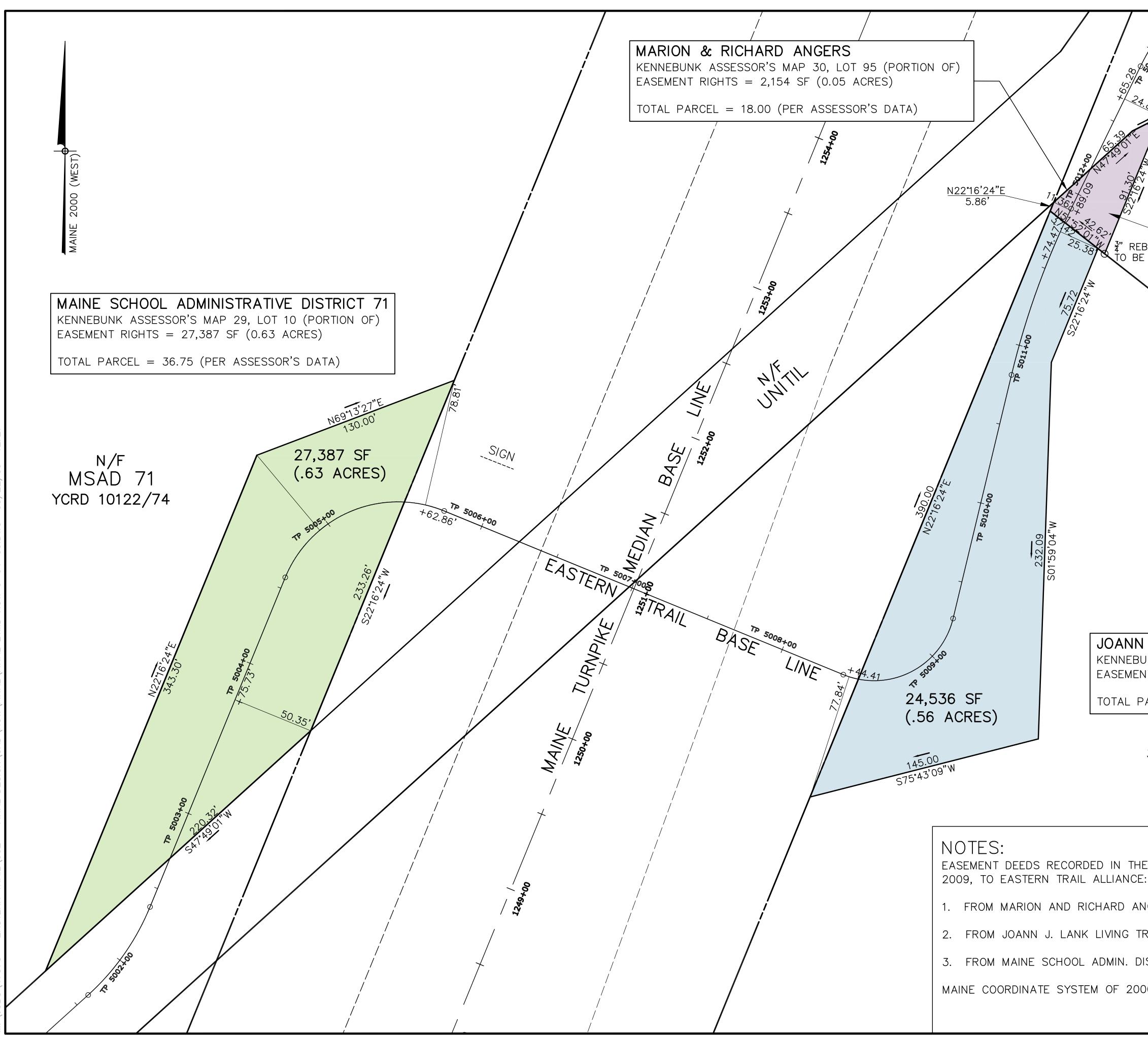




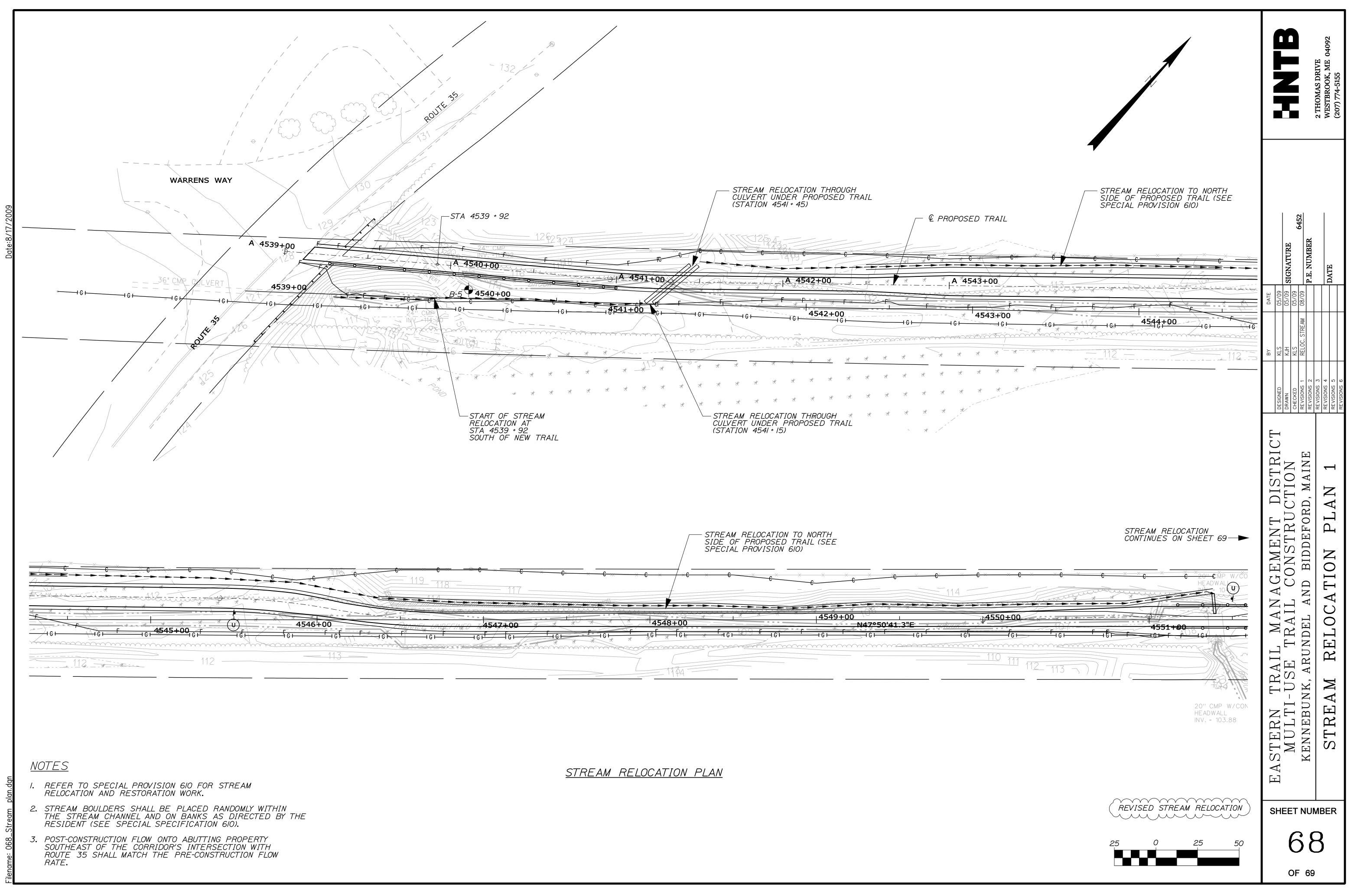


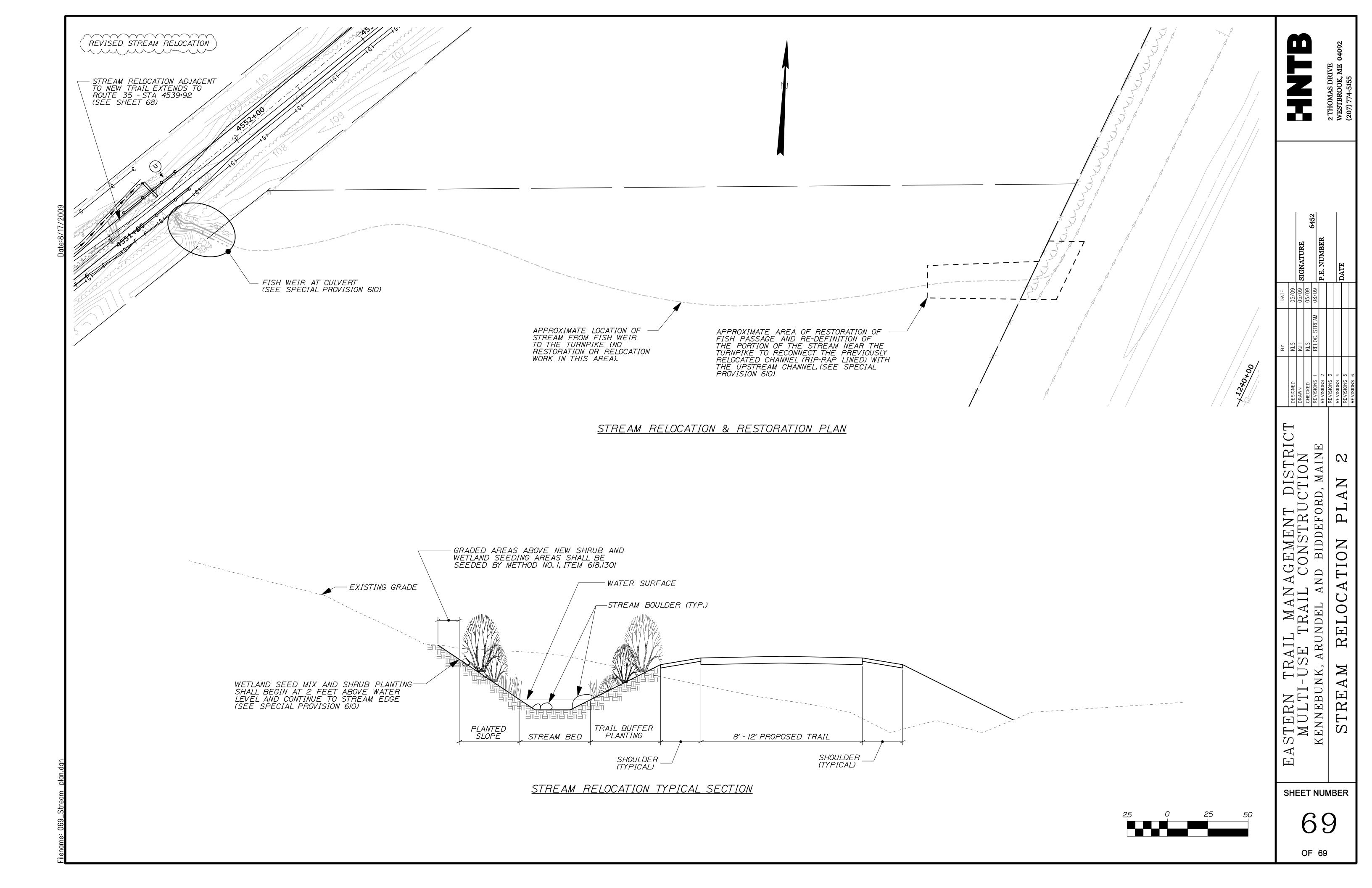


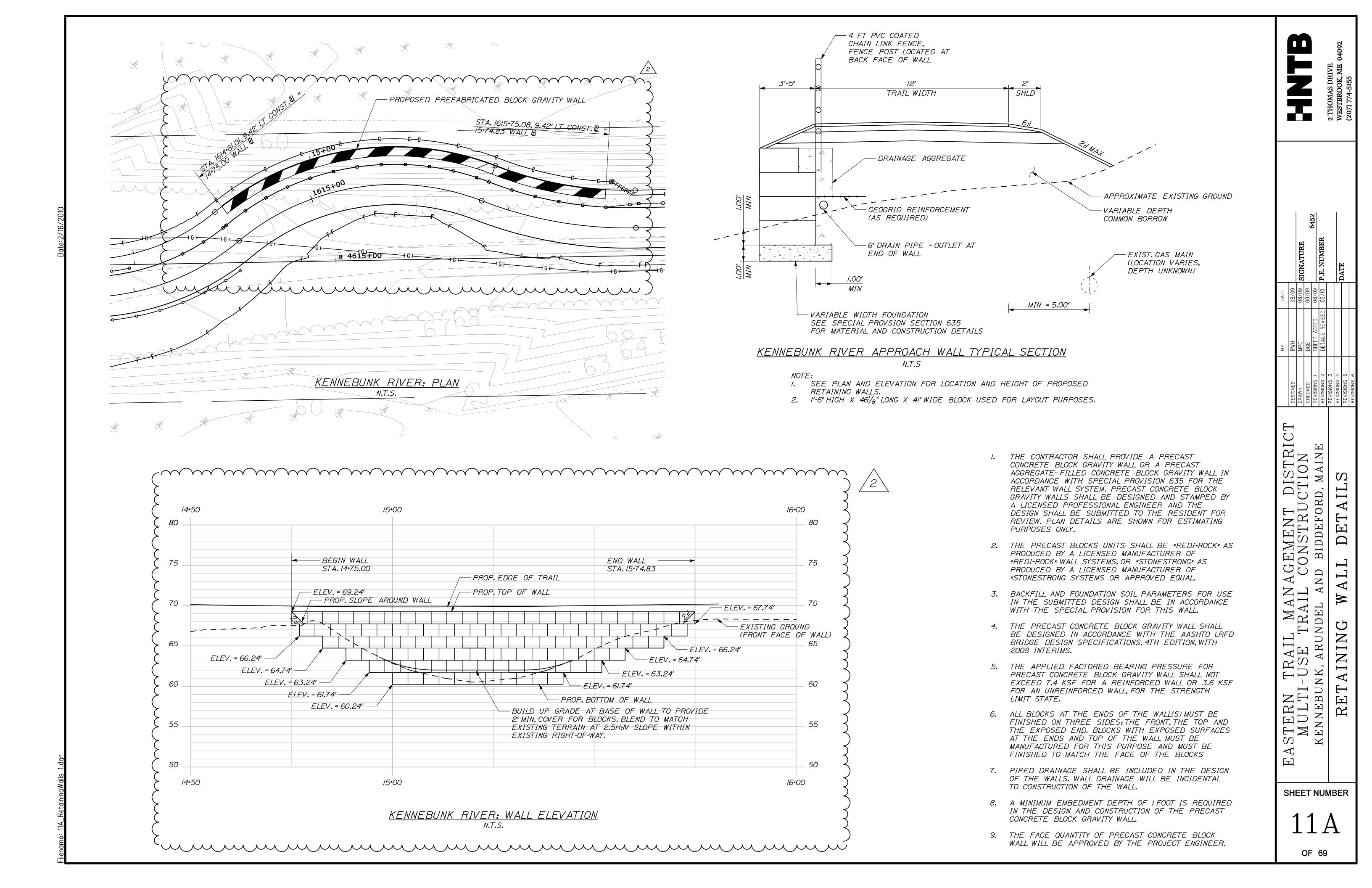


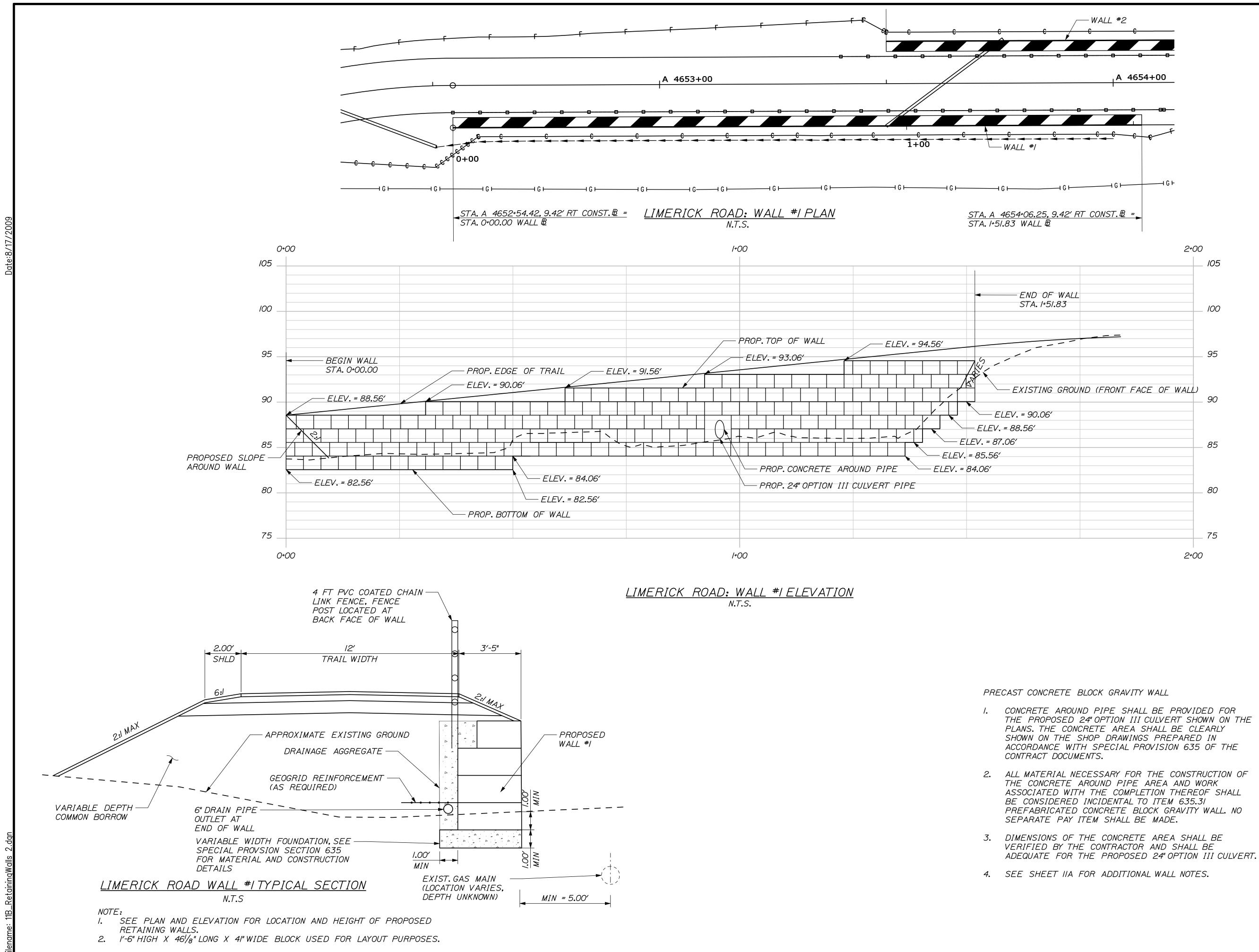


80, 37 REBAR TO BE SET <u>N63'09'16"E</u> 19.56' N/F ANGERS	340 COUNTY ROAD, SUITE 6-C WESTBROOK, ME 04092 (207) 774-5155
YCRD 15012/437	
2,154 SF BAR E SET (.05 ACRES)	6452
	DATE DATE 06/09 SIGNATURE 06/09 SIGNATURE 06/09 P.E. NUMBER 06/09 P.E. NUMBER
	BYDESIGNEDDRAWNDRAWNCHECKEDCHECKEDREVISIONS <t< th=""></t<>
N/F JOANN J. LANK LIVING TRUST YCRD 13849/331	FRUCTION EFORD, MAINE -WAY PLAN
J. LANK LIVING TRUST JNK ASSESSOR'S MAP 30, LOT 108 (PORTION OF) NT RIGHTS = 24,536 SF (0.56 ACRES) PARCEL = 35.00 (PER ASSESSOR'S DATA) 30 0 30 60 90 SCALE: 1" = 30 FEET	RAIL MANAGEME SE TRAIL CONST ARUNDEL AND BIDD AND RIGHT-OF
E YORK COUNTY REGISTRY OF DEEDS ON JUNE 2, :: NGERS, BOOK 15645, PAGE 532, DATED MAY 29, 2009.	EASTERN TH MULTI-U kennebunk, PROPERTY
RUST, BOOK 15645, PAGE 534, DATED JUNE 1, 2009.	SHEET NUMBER
ISTRICT, BOOK 15645, PAGE 536, DATED JUNE 1, 2009. Do, West Zone	67
	OF 69
	L





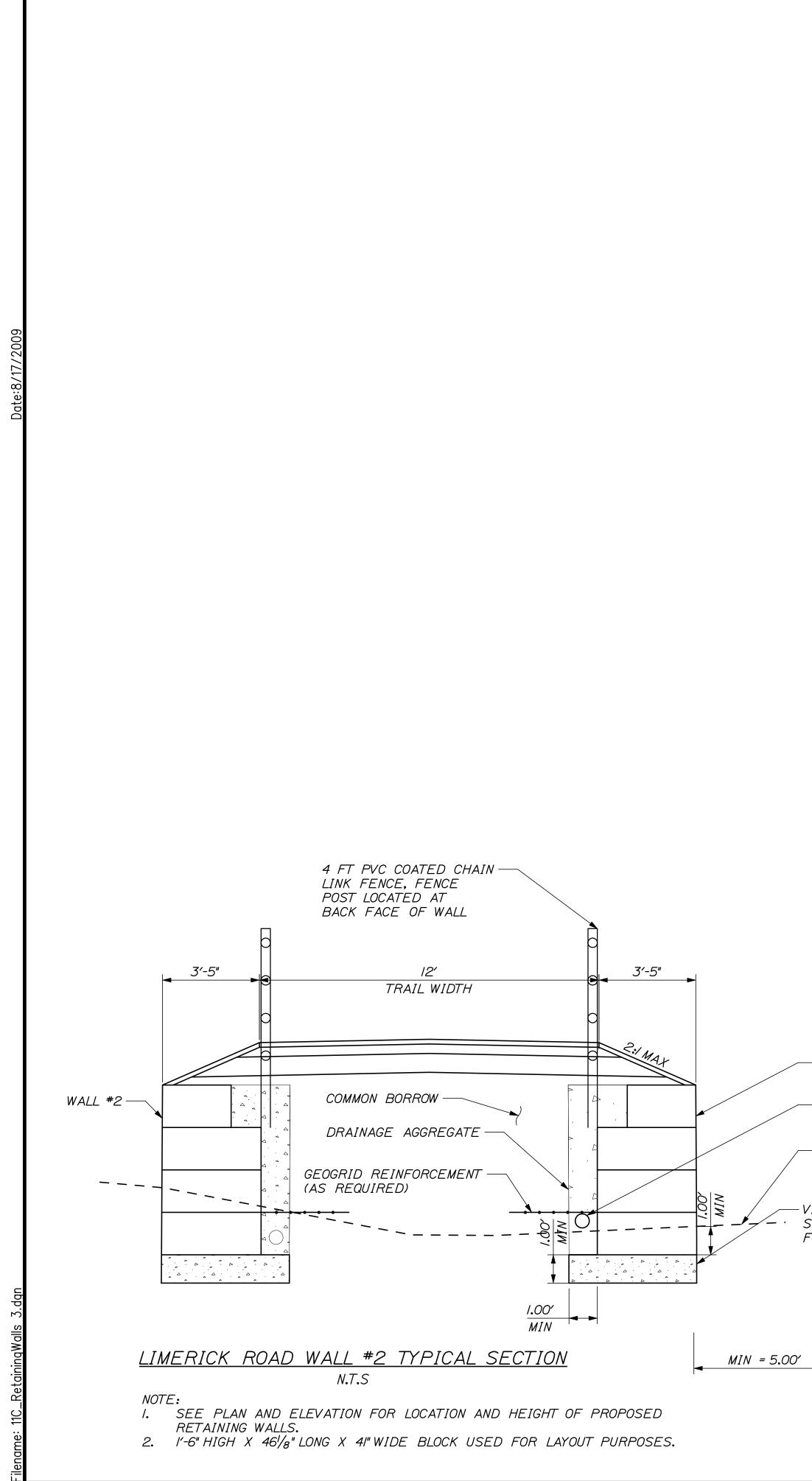


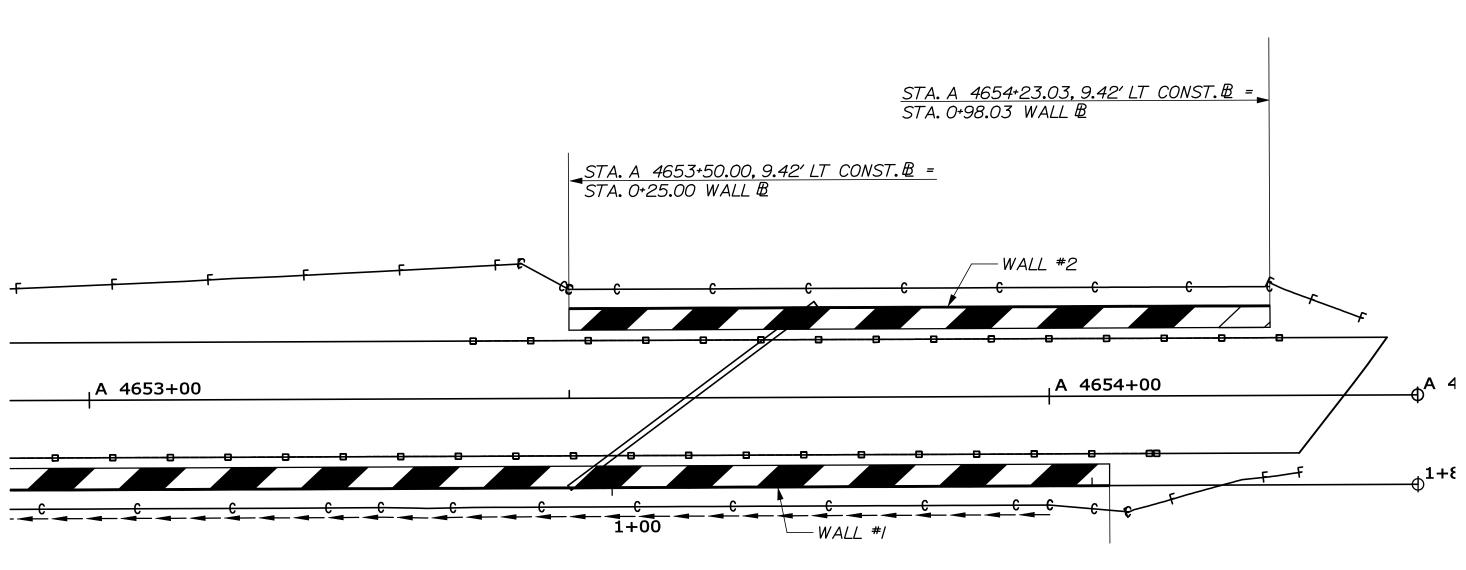


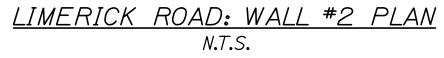
DRIVE JK, ME IAS 2 THOM WESTB

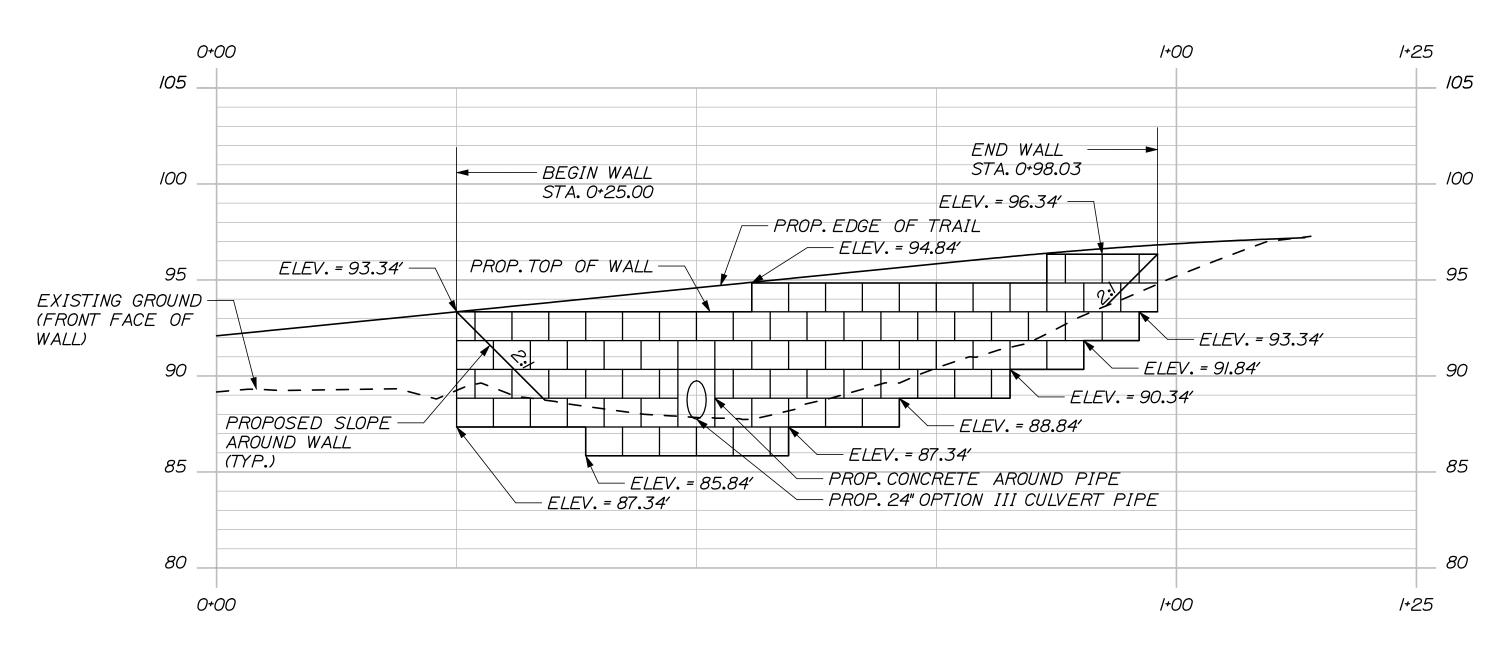
EASTERN TRAIL MANAGEMENT DISTRICT MULTI-USE TRAIL CONSTRUCTION KENNEBUNK, ARUNDEL AND BIDDEFORD, MAINE KENNEBUNK, ARUNDEL AND BIDDEFORD, MAINE REVISIONS 2 PHET ADDE 08/09 PRAWN PRAWN MPC 08/09 PRAWN MPC 08/				0452					
IL MANAGEMENT DISTRICT TRAIL CONSTRUCTIONBY DESIGNEDBY NTRAIL CONSTRUCTION CUNDEL AND BIDDEFORD, MAINEDESIGNEDRWH DERMINCUNDEL AND BIDDEFORD, MAINEREVISIONS 1SHEET ADDEDNG WALL DETAILSREVISIONS 2REVISIONS 3SHEET ADDEDNG WALL DETAILSREVISIONS 5REVISIONS 5REVISIONS 5		SIGNATURE]P.E. NUMBER				
IL MANAGEMENT DISTRICT TRAIL CONSTRUCTION UNDEL AND BIDDEFORD, MAINE NG WALL DETAILS Revisions 3 Revisions 4 Revisions 6 Revisions 6 Revisions 6 Revisions 6 Revisions 6 Revisions 6 Revisions 6 Revisions 6 Revisions 6	DATE 08/09	08/09	08/00	08/00					
IL MANAGEMENT DISTRICT TRAIL CONSTRUCTION UNDEL AND BIDDEFORD, MAINE NG WALL DETAILS	BY RWH	MPC	DGE	SHEET ADDED					
IL MANAGEMENT TRAIL CONSTRU(UNDEL AND BIDDEFOR] NG WALL DETA]	DESIGNED	DRAWN	CHECKED	REVISIONS 1	REVISIONS 2	REVISIONS 3	REVISIONS 4	REVISIONS 5	REVISIONS 6
	IL MANAGEMENT	Ē		UTINE VENNEDING ADIMPETAN AND DIPPEADD MAINE	CENNEDONN, ANUNDEL AND DIDDEFOND, MAINE				
	-		-	L			3		

OF 69









LIMERICK ROAD: WALL#2 ELEVATION

N.T.S.

-WALL #/

__/

- 6" DRAIN PIPE OUTLET AT END OF WALL
- APPROXIMATE EXISTING GROUND
- -VARIABLE WIDTH FOUNDATION SEE SPECIAL PROVSION SECTION 635 FOR MATERIAL AND CONSTRUCTION DETAILS

EXIST. GAS MAIN (LOCATION VARIES, DEPTH UNKNOWN)

PRECAST CONCRETE BLOCK GRAVITY WALL

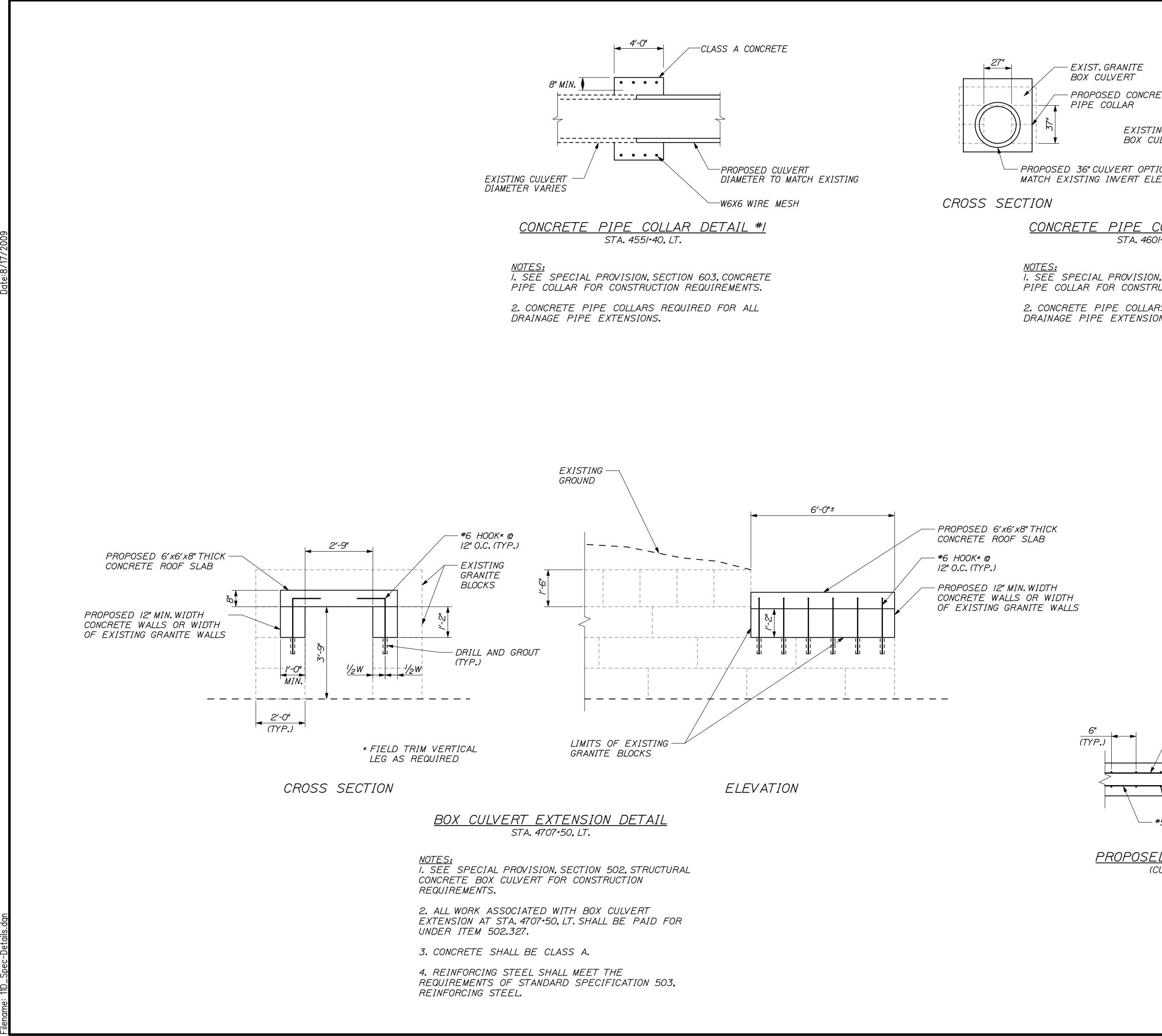
- I. CONCRETE AROUND PIPE SHALL BE PROVIDED FOR PLANS. THE CONCRETE AREA SHALL BE CLEARLY SHOWN ON THE SHOP DRAWINGS PREPARED IN CONTRACT DOCUMENTS.
- 2. ALL MATERIAL NECESSARY FOR THE CONSTRUCTION OF THE CONCRETE AROUND PIPE AREA AND WORK BE CONSIDERED INCIDENTAL TO ITEM 635.3/ SEPARATE PAY ITEM SHALL BE MADE.
- 3. DIMENSIONS OF THE CONCRETE AREA SHALL BE VERIFIED BY THE CONTRACTOR AND SHALL BE
- 4. SEE SHEET IIA FOR ADDITIONAL WALL NOTES.

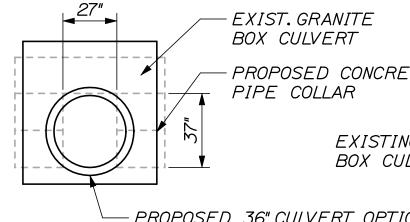
THE PROPOSED 24" OPTION III CULVERT SHOWN ON THE ACCORDANCE WITH SPECIAL PROVISION 635 OF THE

ASSOCIATED WITH THE COMPLETION THEREOF SHALL PREFABRICATED CONCRETE BLOCK GRAVITY WALL. NO

ADEQUATE FOR THE PROPOSED 24" OPTION III CULVERT.

						2 THOMAS DRIVE	WESTBROOK, ME, 04092		
		^{08/09} SIGNATURE			P.E. NUMBER		т. А. ттт.		
DATE	08/00	08/0	08/00	SHEET ADDED 08/09					
ВҮ	RWH	MPC	DGE		S 2	S 3	S 4	S 5	S 6
	DESIGNED	DRAWN	CHECKED	REVISIONS 1	REVISIONS 2	REVISIONS 3	REVISIONS 4	REVISIONS 5	REVISIONS 6
TOTOTION TO ALL MANACENTRUM DISTOR		NOITSIGTSNOS IIVAT GSII-IT IIIN		L'ENNEDINY ADIMPET AND DIPPENDD MAINE	NENNEDONN, ANUNDEL AND DIDDEFOND, MAINE		БТАТИТИС WATT ЪБТАТІ	NEIAINING WALL UEIAILO	
s	Η	EE	ΞT	N	UI	ME	3E	R	
	-	1	_	1	(ר ר		





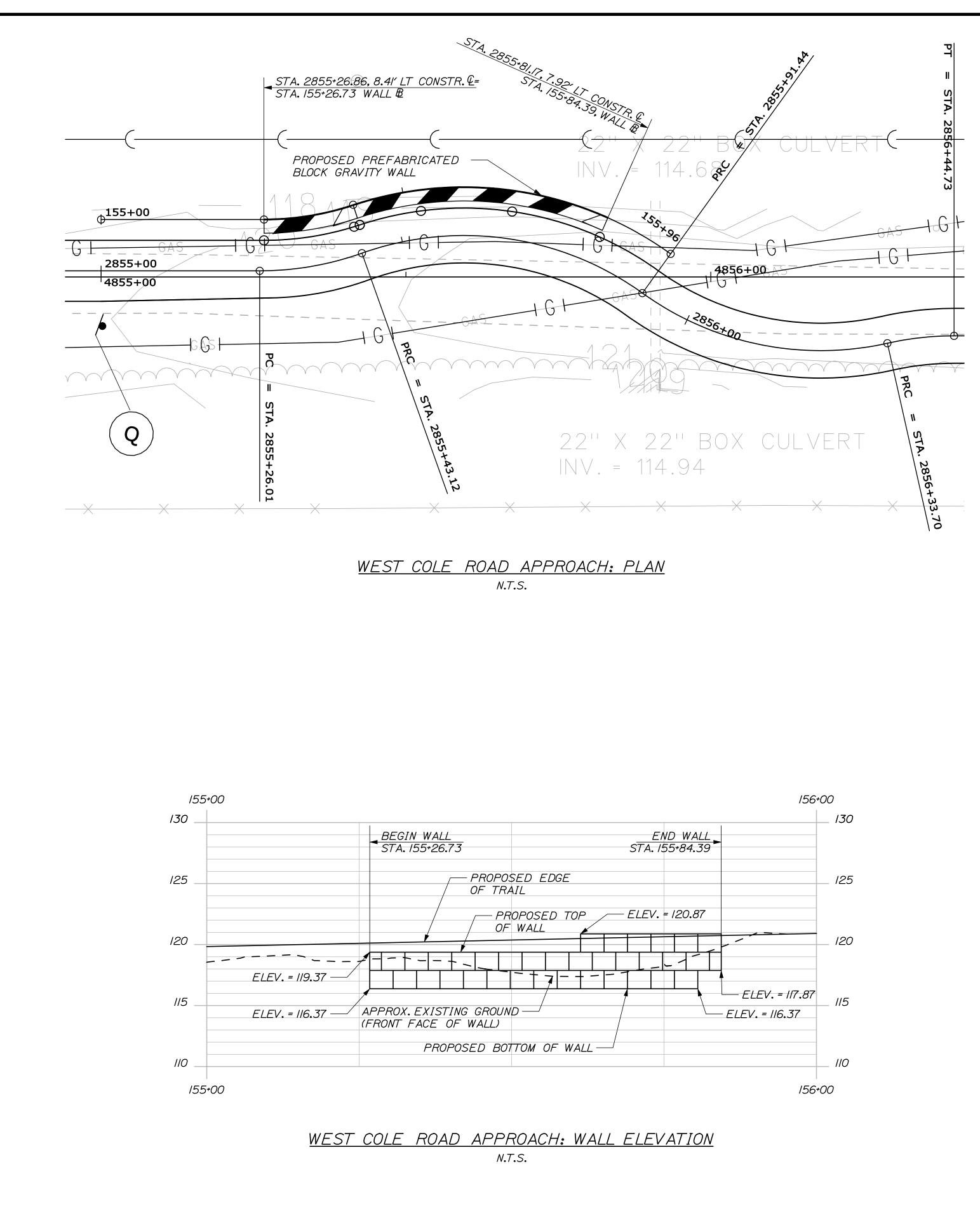
MATCH EXISTING INVERT ELE

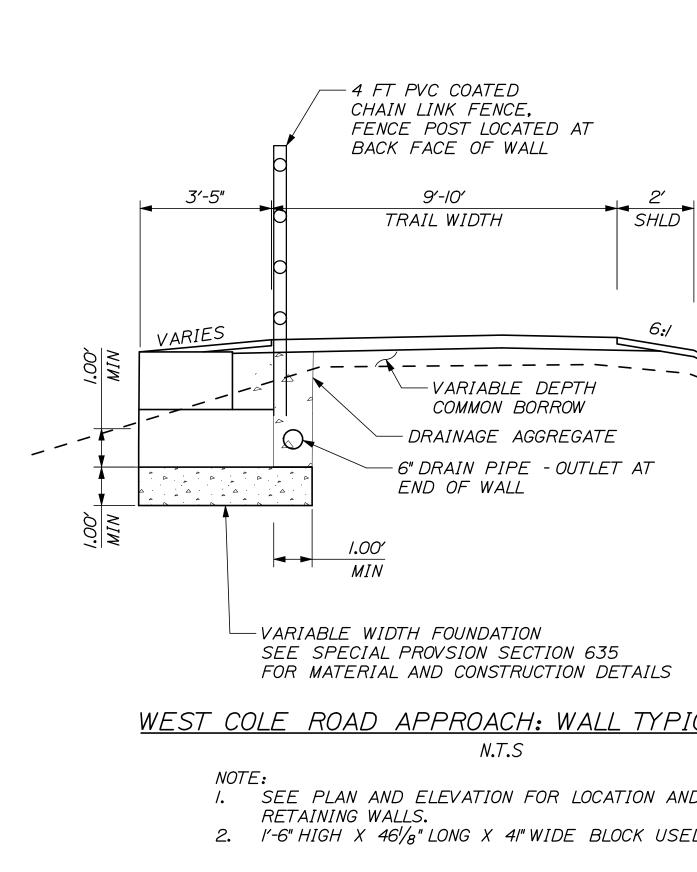
CONCRETE PIPE CO STA. 4601

PIPE COLLAR FOR CONSTRU

2. CONCRETE PIPE COLLARS DRAINAGE PIPE EXTENSION

ETE NG GRANITE JUVERT ION 111	2 THOMAS DRIVE WESTBROOK, ME 04092 (207) 774-5155
EVATION CLASS A CONCRETE	
ELEVATION	
COLLAR DETAIL #2	
N, SECTION 603, CONCRETE RUCTION REQUIREMENTS. RS REQUIRED FOR ALL DNS.	SIGNATURE 6452 P.E. NUMBER DATE
	DATE 08/09 S 08/09 I I I I I I I I I I I I I I I I I I I
	08() 08() 08() 08()
	BY DGE MPC TRC SHEET ADDED
	DESIGNED DRAWN CHECKED REVISIONS 1 REVISIONS 2 REVISIONS 3 REVISIONS 4 REVISIONS 5 REVISIONS 6
$\begin{array}{c} & \ \ \ \ \ \ \ \ \ \ \ \ \$	EASTERN TRAIL MANAGEMENT DISTRICT MULTI-USE TRAIL CONSTRUCTION Kennebunk, arundel and biddeford, maine CULVERT EXTENSION DETAILS
	SHEET NUMBER
	11D
	OF 69



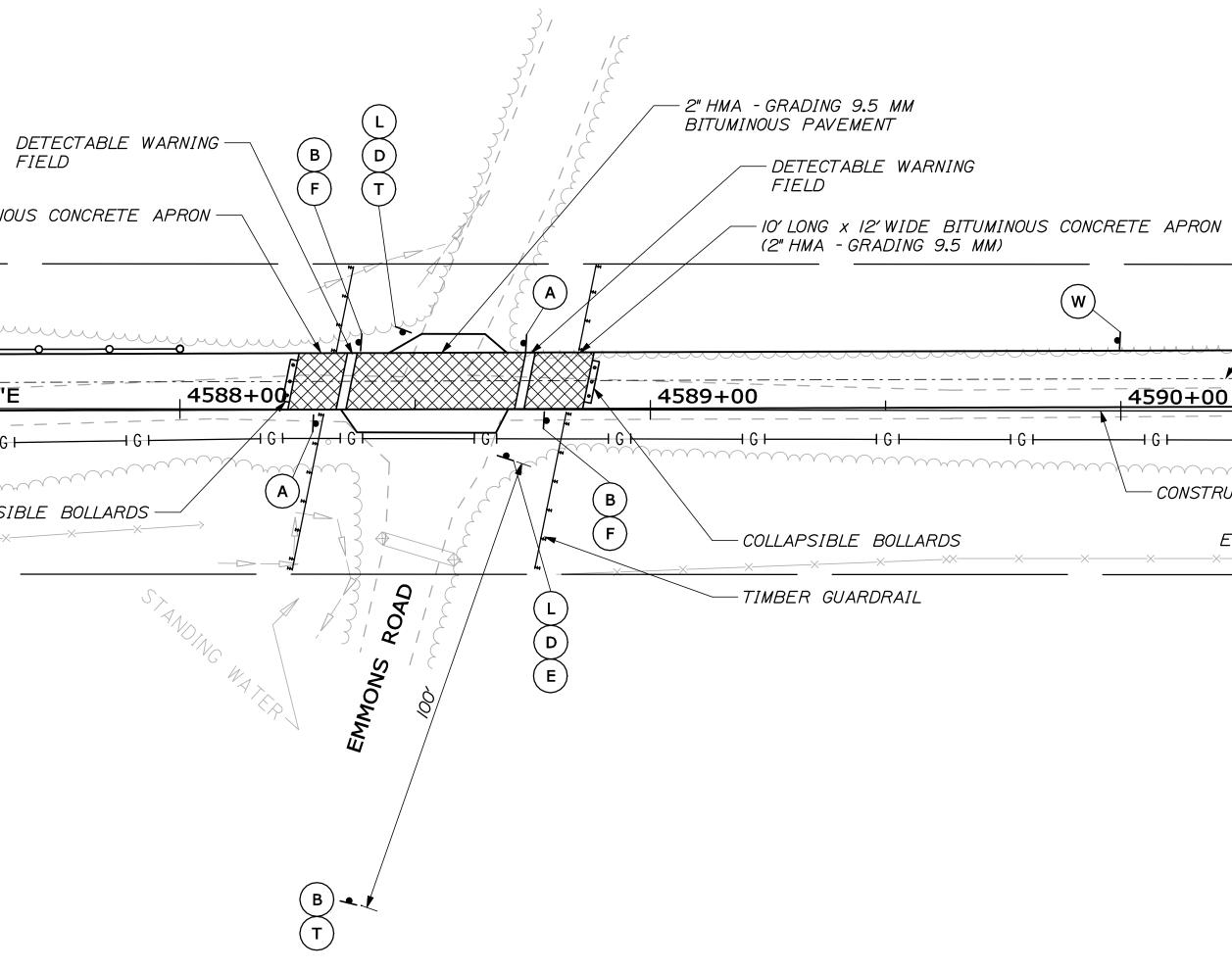


PRECAST CONCRETE BLOCK GRAVITY WALL

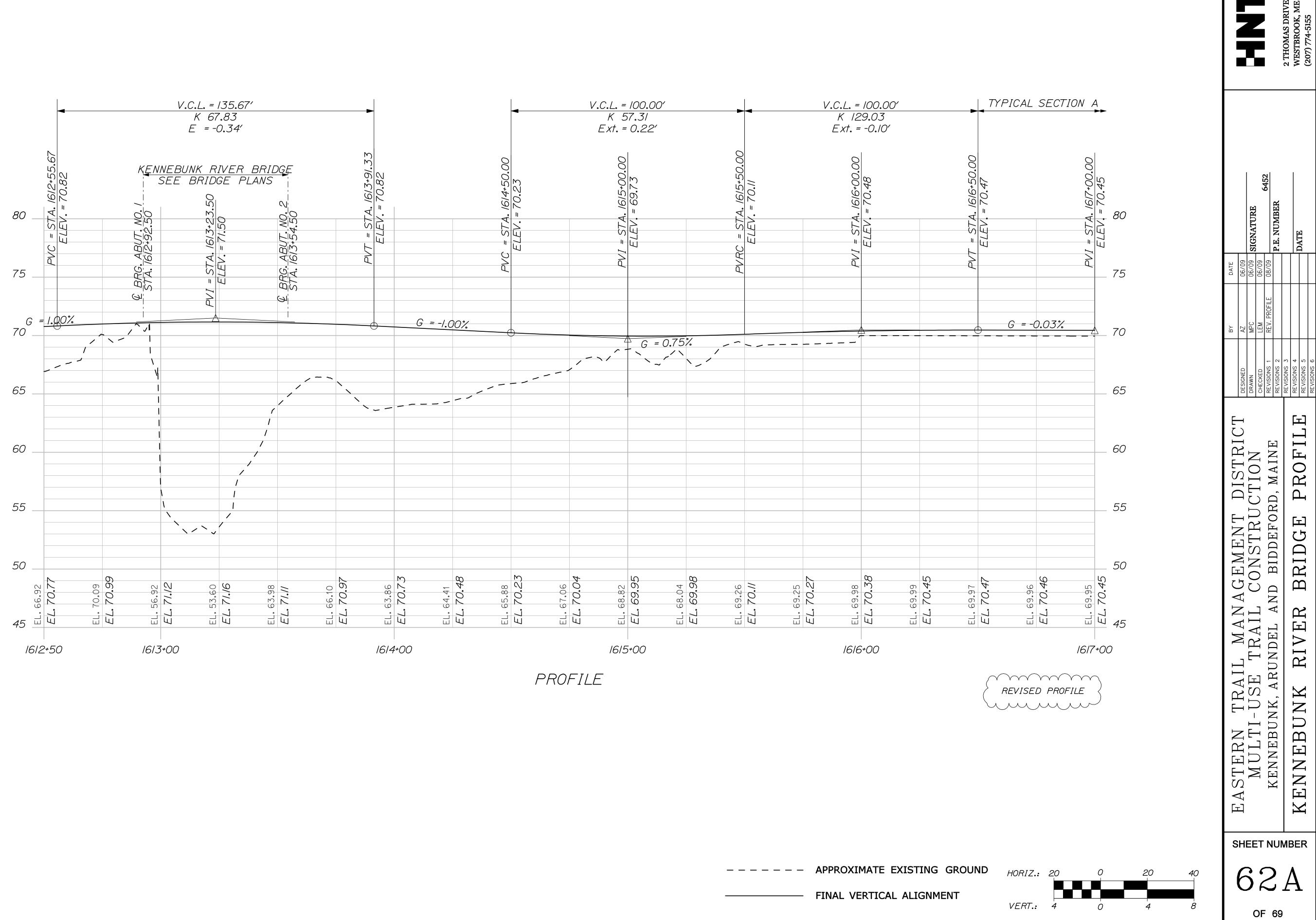
- I. THE CONTRACTOR SHALL PROVIDE A PRECAST CONCRETE BLOCK GRAVITY WALL OR A PRECAST AGGREGATE- FILLED CONCRETE BLOCK GRAVITY WALL IN ACCORDANCE WITH SPECIAL PROVISION 635 FOR THE RELEVANT WALL SYSTEM. PRECAST CONCRETE BLOCK GRAVITY WALLS SHALL BE DESIGNED AND STAMPED BY A LICENSED PROFESSIONAL ENGINEER AND THE DESIGN SHALL BE SUBMITTED TO THE RESIDENT FOR REVIEW. PLAN DETAILS ARE SHOWN FOR ESTIMATING PURPOSES ONLY.
- 2. THE PRECAST BLOCKS UNITS SHALL BE *REDI-ROCK* AS PRODUCED BY A LICENSED MANUFACTURER OF *REDI-ROCK* WALL SYSTEMS, OR *STONESTRONG* AS PRODUCED BY A LICENSED MANUFACTURER OF *STONESTRONG SYSTEMS OR APPROVED EQUAL.
- 3. BACKFILL AND FOUNDATION SOIL PARAMETERS FOR USE IN THE SUBMITTED DESIGN SHALL BE IN ACCORDANCE WITH THE SPECIAL PROVISION FOR THIS WALL.
- 4. THE PRECAST CONCRETE BLOCK GRAVITY WALL SHALL BE DESIGNED IN ACCORDANCE WITH THE AASHTO LRFD BRIDGE DESIGN SPECIFICATIONS, 4TH EDITION, WITH 2008 INTERIMS.
- 5. THE APPLIED FACTORED BEARING PRESSURE FOR PRECAST CONCRETE BLOCK GRAVITY WALL SHALL NOT EXCEED 7.4 KSF FOR A REINFORCED WALL OR 3.6 KSF FOR AN UNREINFORCED WALL, FOR THE STRENGTH LIMIT STATE.

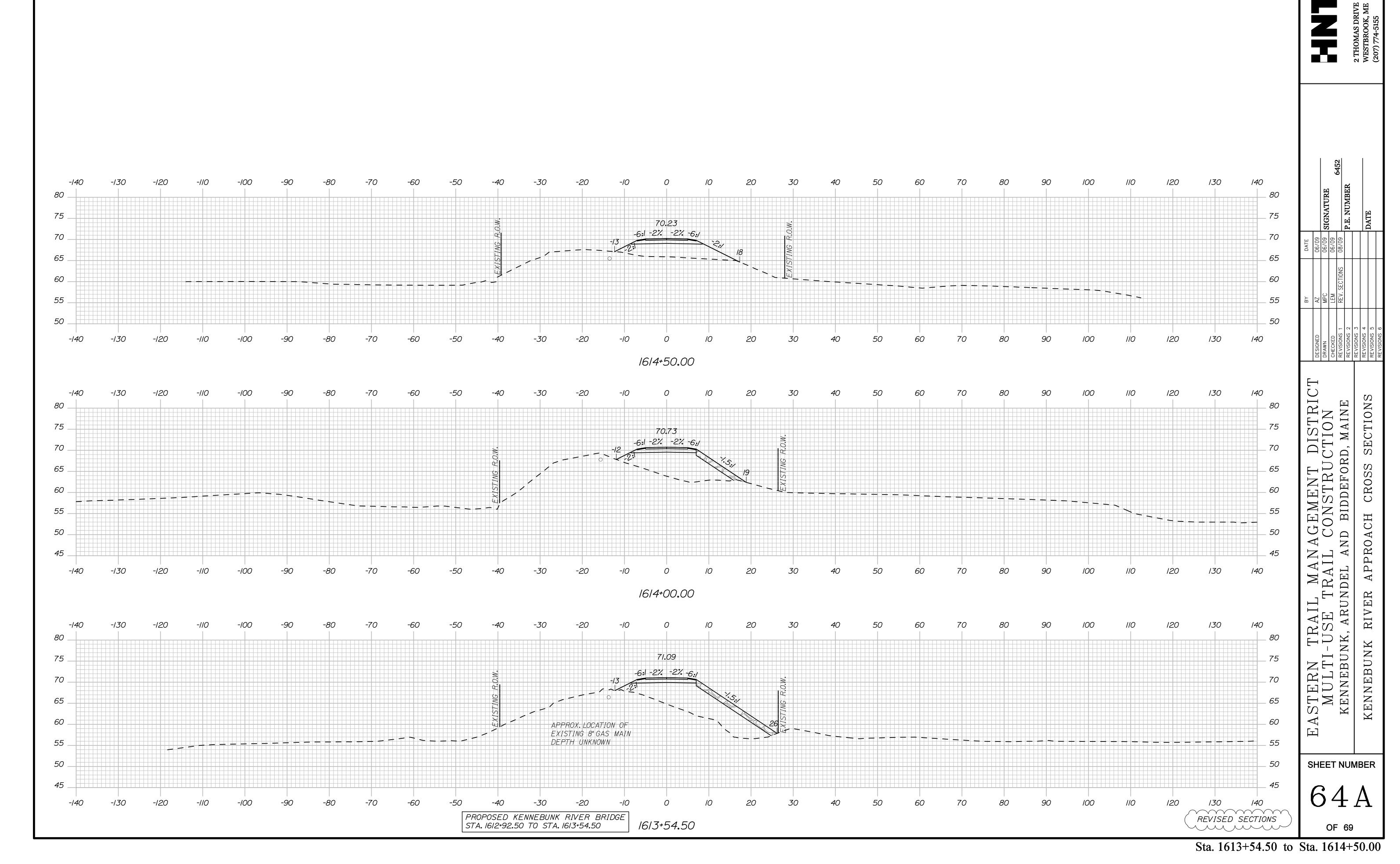
	2 THOMAS DRIVE WESTBROOK, ME 04092 (207) 774-5155
APPROXIMATE EXISTING GROUND	DATE 01/10 SIGNATURE 01/10 SIGNATURE 01/10 6452 01/10 P.E. NUMBER DATE DATE
ICAL SECTION ID HEIGHT OF PROPOSED ED FOR LAYOUT PURPOSES.	BY BY DESIGNED RWH DESIGNED RWH DRAWN RWH DRAWN RWH CHECKED DGE CHECKED DGE REVISIONS 1 REVISIONS 2 REVISIONS 3 REVISIONS 3 REVISIONS 4 REVISIONS 5 REVISIONS 6
 ALL BLOCKS AT THE ENDS OF THE WALL(S) MUST BE FINISHED ON THREE SIDES; THE FRONT, THE TOP AND THE EXPOSED END. BLOCKS WITH EXPOSED SURFACES AT THE ENDS AND TOP OF THE WALL MUST BE MANUFACTURED FOR THIS PURPOSE AND MUST BE FINISHED TO MATCH THE FACE OF THE BLOCKS PIPED DRAINAGE SHALL BE INCLUDED IN THE DESIGN OF THE WALLS. WALL DRAINAGE WILL BE INCIDENTAL TO CONSTRUCTION OF THE WALL. A MINIMUM EMBEDMENT DEPTH OF I FOOT IS REQUIRED IN THE DESIGN AND CONSTRUCTION OF THE PRECAST CONCRETE BLOCK GRAVITY WALL. THE FACE QUANTITY OF PRECAST CONCRETE BLOCK WALL WILL BE APPROVED BY THE PROJECT ENGINEER. 	EASTERN TRAIL MANAGEMENT DISTRICT MULTI-USE TRAIL CONSTRUCTION Kennebunk, arundel and biddeford, maine RETAINING WALL DETAILS
	SHEET NUMBER
	11E
	OF 69

		x I2' WIDE BITUI - GRADING 9.5 MI
<u>4586+00</u> <u> </u>	+4587+00- •	N47°50'41
	W	
XXXXXXX		COLLA

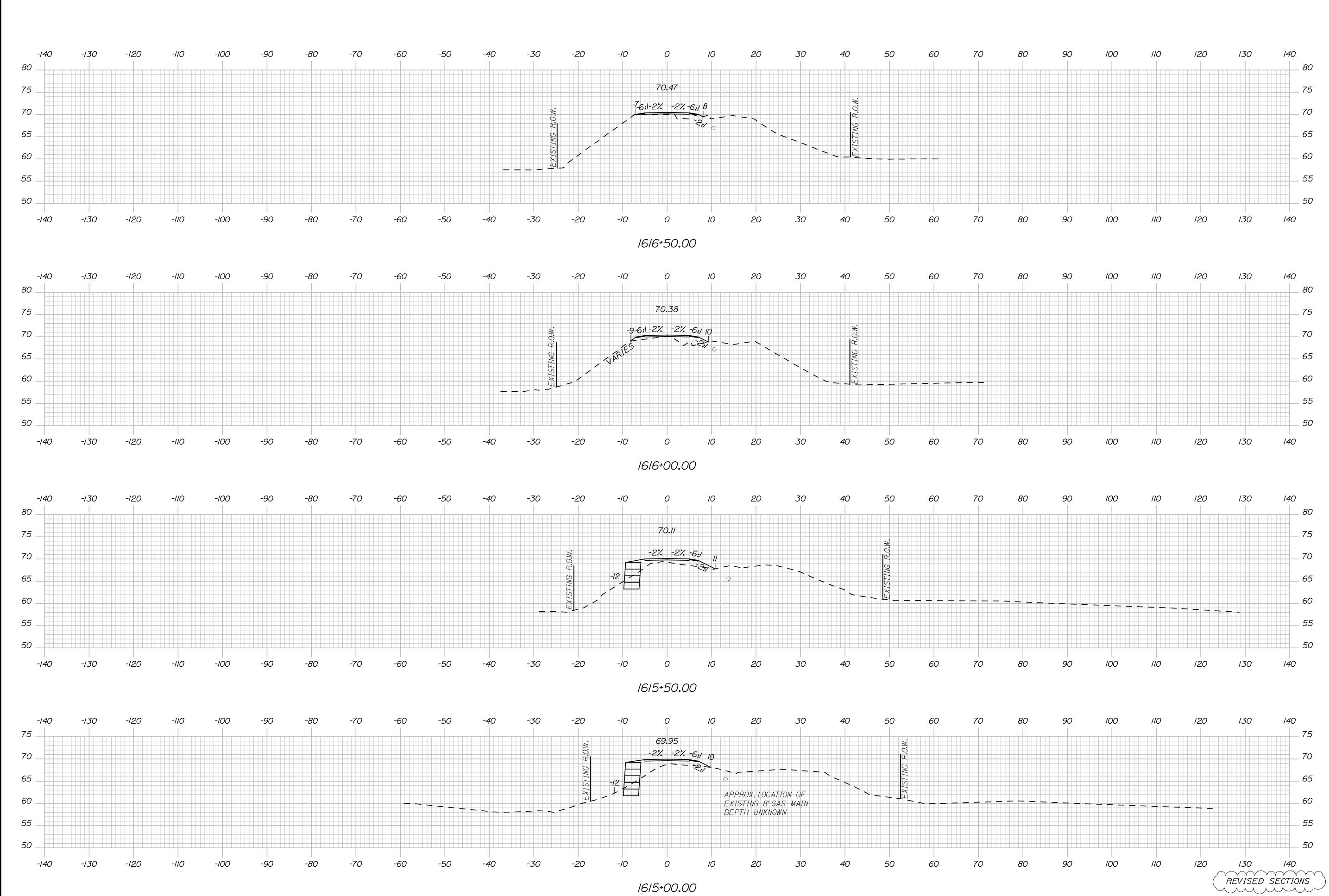


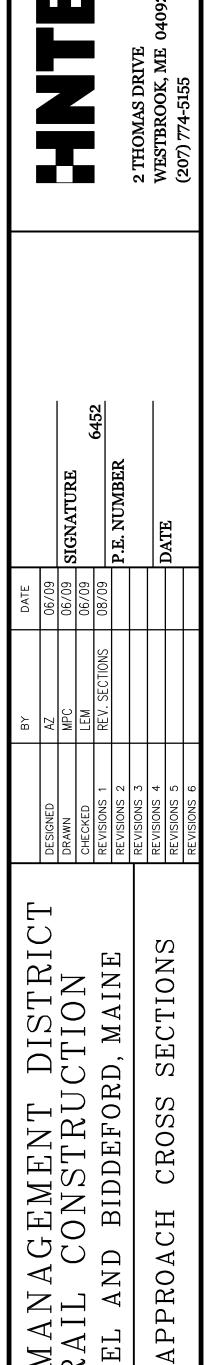
	2 THOMAS DRIVE WESTBROOK, ME 04092 (207) 774-5155
TRAIL Q TRAIL Q TRA	EASTERN TRAIL MANAGEMENT DISTRICTBVDATEMULTI-USE TRAIL CONSTRUCTIONPRANNAZ06/09MULTI-USE TRAIL CONSTRUCTIONPRANNAZ06/09KENNEBUNK, ARUNDEL AND BIDDEFORD, MAINEPRANNERVISIONS 21ERT ADDEDEMMONS ROAD CROSSING PLANREVISIONS 5PLANNEVISIONS 5EMMONS ROAD CROSSING PLANREVISIONS 5PLANPATE
T SHOWN FOR CLARITY	SHEET NUMBER 50A OF 69





_KennebunkRiver XSec_3.dgn Division: BRIDGE Username:





 \triangleleft

ARUNDEL

NK

KENNEBU

SHEET NUMBER

64B

OF 69

RIVER

KENNEBUNK

 \triangleleft

TRA

TRAIL -USE

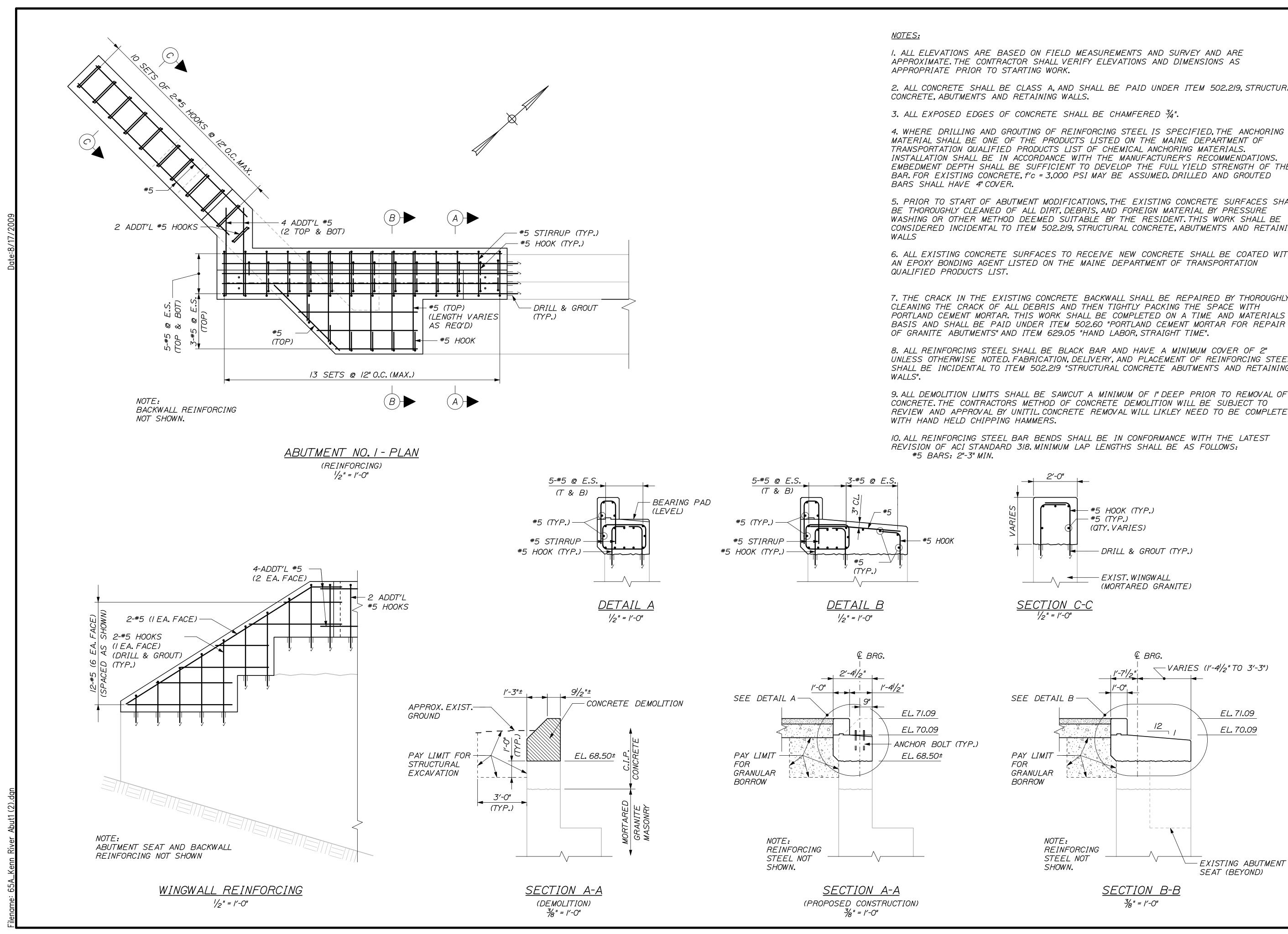
ASTERN

1 Η

 \ge

 \triangleleft

Sta. 1615+00.00 to Sta. 1616+50.00



2. ALL CONCRETE SHALL BE CLASS A, AND SHALL BE PAID UNDER ITEM 502.219, STRUCTURAL

EMBEDMENT DEPTH SHALL BE SUFFICIENT TO DEVELOP THE FULL YIELD STRENGTH OF THE

5. PRIOR TO START OF ABUTMENT MODIFICATIONS, THE EXISTING CONCRETE SURFACES SHALL CONSIDERED INCIDENTAL TO ITEM 502.219, STRUCTURAL CONCRETE, ABUTMENTS AND RETAINING

6. ALL EXISTING CONCRETE SURFACES TO RECEIVE NEW CONCRETE SHALL BE COATED WITH

7. THE CRACK IN THE EXISTING CONCRETE BACKWALL SHALL BE REPAIRED BY THOROUGHLY

UNLESS OTHERWISE NOTED. FABRICATION, DELIVERY, AND PLACEMENT OF REINFORCING STEEL SHALL BE INCIDENTAL TO ITEM 502.219 "STRUCTURAL CONCRETE ABUTMENTS AND RETAINING

9. ALL DEMOLITION LIMITS SHALL BE SAWCUT A MINIMUM OF "DEEP PRIOR TO REMOVAL OF REVIEW AND APPROVAL BY UNITIL. CONCRETE REMOVAL WILL LIKLEY NEED TO BE COMPLETED

