

MASSACHUSETTS DEPARTMENT OF TRANSPORTATION HIGHWAY DIVISION

PLAN AND PROFILE OF LYNNFIELD RAIL TRAIL CONSTRUCTION - PHASE 1

IN THE TOWN OF
LYNNFIELD
ESSEX COUNTY

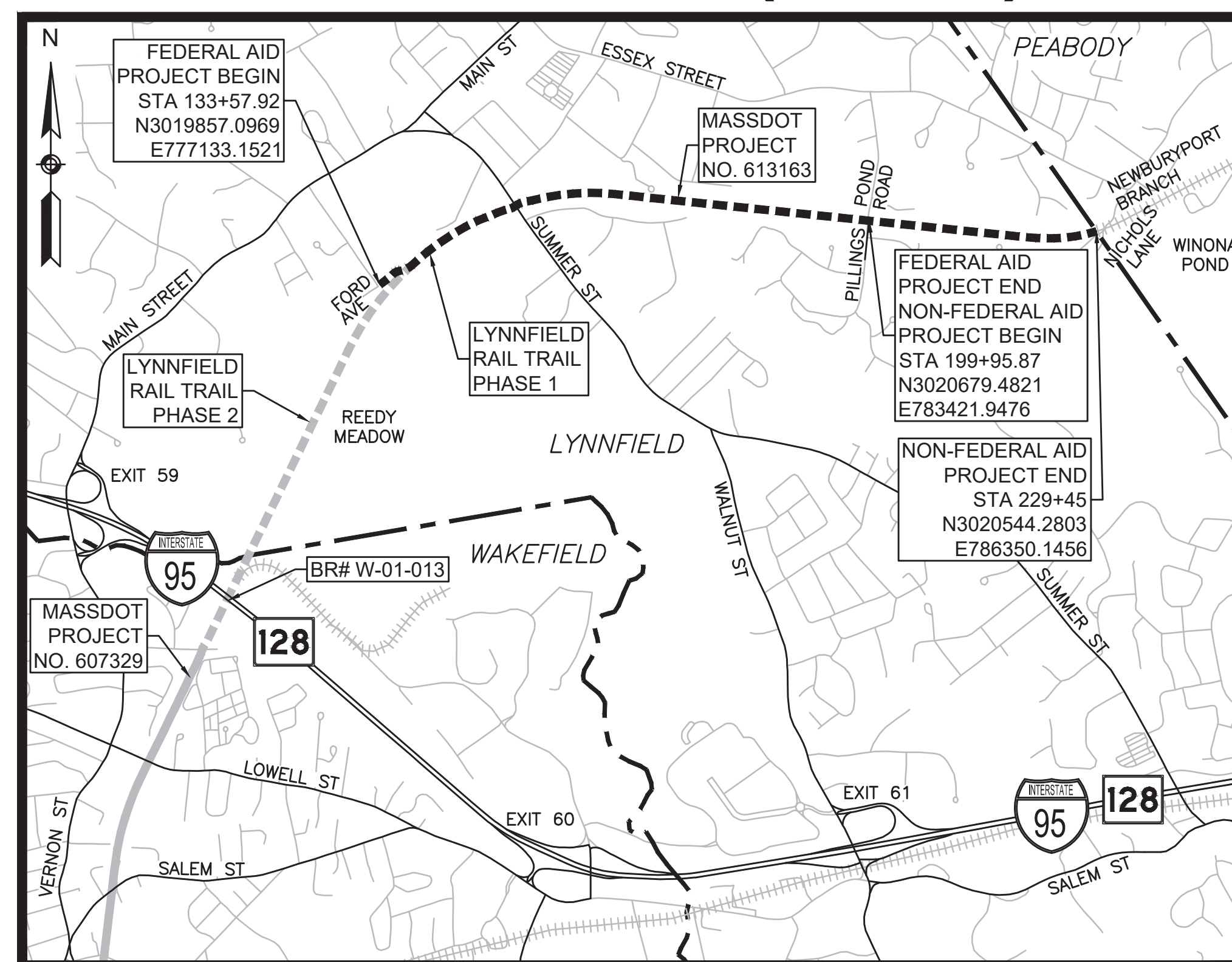
FEDERAL AID PROJECT NO.

STP-0034(033)X

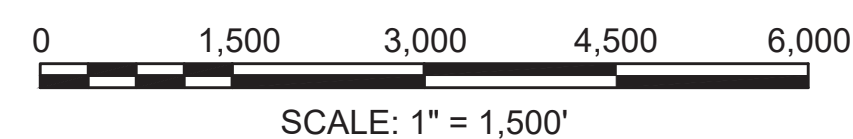
LYNNFIELD RAIL TRAIL CONSTRUCTION			
STATE	FED. AID PROJ. NO.	SHEET NO.	TOTAL SHEETS
MA	STP-0034(033)X	1	128
PROJECT FILE NO. 613163			
TITLE SHEET & INDEX			

THESE PLANS ARE SUPPLEMENTED BY THE LATEST EDITIONS OF THE FOLLOWING PUBLICATIONS, AS IDENTIFIED IN THE CONTRACT SPECIAL PROVISIONS: THE MASSDOT CONSTRUCTION STANDARD DETAILS, THE MASSDOT STANDARD DRAWINGS FOR SIGNS AND SUPPORTS, THE MASSDOT STANDARD DRAWINGS FOR TRAFFIC SIGNALS AND HIGHWAY LIGHTING, THE MASSDOT OVERHEAD SIGNAL STRUCTURE AND FOUNDATION STANDARD DRAWINGS, THE MASSDOT TRAFFIC MANAGEMENT PLANS AND DETAIL DRAWINGS, AND THE ANSI AMERICAN STANDARD FOR NURSERY STOCK.

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DESIGN DESIGNATION (RAIL TRAIL)	
DESIGN SPEED	20 MPH
ADT (YYYY)	N/A
ADT (YYYY)	N/A
K	N/A
D	N/A
T (PEAK HOUR)	N/A
T (AVERAGE DAY)	N/A
DHV	N/A
DDHV	N/A
FUNCTIONAL CLASSIFICATION	SHARED-USE PATH



LENGTH OF PROJECT = 9,587.08 FEET = 1.816 MILES

				
DATE		DESCRIPTION		REV #
 MassDOT Massachusetts Department of Transportation Highway Division				
APPROVED				
 45 BLUE SKY DRIVE THIRD FLOOR BURLINGTON, MA 01803		Digitally signed by Carrie Lavallee, P.E. Date: 2026.07.03 11:24:25 -0400		07/03/2026
CHIEF ENGINEER		DATE		

GENERAL SYMBOLS

EXISTING	PROPOSED	DESCRIPTION
		JERSEY BARRIER
		CATCH BASIN
		CATCH BASIN CURB INLET
		FLAG POLE
		GAS PUMP
		MAIL BOX
		POST SQUARE
		POST CIRCULAR
		WELL
		ELECTRIC HANDHOLE
		FENCE GATE POST
		GAS GATE
		BORING HOLE
		MONITORING WELL
		TEST PIT
		HYDRANT
		LIGHT POLE
		COUNTY BOUND
		GPS POINT
		CABLE MANHOLE
		DRAINAGE MANHOLE
		ELECTRIC MANHOLE
		GAS MANHOLE
		MISC MANHOLE
		SEWER MANHOLE
		TELEPHONE MANHOLE
		WATER MANHOLE
		MASSACHUSETTS HIGHWAY BOUND
		MONUMENT
		STONE BOUND
		TOWN OR CITY BOUND
		TRAVERSE OR TRIANGULATION STATION
		TROLLEY POLE OR GUY POLE
		TRANSMISSION POLE
		UTILITY POLE W/ FIREBOX
		UTILITY POLE WITH DOUBLE LIGHT
		UTILITY POLE W / 1 LIGHT
		UTILITY POLE
		BUSH
		TREE
		STUMP
		SWAMP / MARSH
		WATER GATE
		PARKING METER
		OVERHEAD CABLE/WIRE
		CURBING
		CONTOURS (ON-THE-GROUND SURVEY DATA)
		CONTOURS (PHOTOGRAMMETRIC DATA)
		UNDERGROUND DRAIN PIPE (DOUBLE LINE 24 INCH AND OVER)
		UNDERGROUND ELECTRIC DUCT (DOUBLE LINE 24 INCH AND OVER)
		UNDERGROUND GAS MAIN (DOUBLE LINE 24 INCH AND OVER)
		UNDERGROUND SEWER MAIN (DOUBLE LINE 24 INCH AND OVER)
		UNDERGROUND TELEPHONE DUCT (DOUBLE LINE 24 INCH AND OVER)
		UNDERGROUND WATER MAIN (DOUBLE LINE 24 INCH AND OVER)
		BALANCED STONE WALL
		GUARD RAIL - STEEL POSTS
		GUARD RAIL - WOOD POSTS
		GUARD RAIL - DOUBLE FACE - STEEL POSTS
		GUARD RAIL - DOUBLE FACE - WOOD POSTS
		CHAIN LINK OR METAL FENCE
		WOOD FENCE
		SEDIMENT CONTROL BARRIER
		TREE LINE
		SAWCUT LINE
		TOP OR BOTTOM OF SLOPE
		LIMIT OF EDGE OF PAVEMENT OR COLD PLANE AND OVERLAY
		BANK OF RIVER OR STREAM
		BORDER OF WETLAND
		100 FT WETLAND BUFFER
		200 FT RIVERFRONT BUFFER
		STATE HIGHWAY LAYOUT
		TOWN OR CITY LAYOUT
		COUNTY LAYOUT
		RAILROAD SIDELINE
		TOWN OR CITY BOUNDARY LINE
		PROPERTY LINE OR APPROXIMATE PROPERTY LINE
		EASEMENT

TRAFFIC SYMBOLS

EXISTING	PROPOSED	DESCRIPTION
		CONTROLLER PHASE ACTUATED
		TRAFFIC SIGNAL HEAD (SIZE AS NOTED)
		WIRE LOOP DETECTOR (6' x 6' TYP UNLESS OTHERWISE SPECIFIED)
		VIDEO DETECTION CAMERA
		MICROWAVE DETECTOR
		PEDESTRIAN PUSH BUTTON, SIGN (DIRECTIONAL ARROW AS SHOWN) AND SADDLE
		EMERGENCY PREEMPTION CONFIRMATION STROBE LIGHT
		VEHICULAR SIGNAL HEAD
		VEHICULAR SIGNAL HEAD, OPTICALLY PROGRAMMED
		FLASHING BEACON
		PEDESTRIAN SIGNAL HEAD, (TYPE AS NOTED OR AS SPECIFIED)
		RAILROAD SIGNAL
		SIGNAL POST AND BASE (ALPHA-NUMERIC DESIGNATION NOTED)
		MAST ARM, SHAFT AND BASE (ARM LENGTH AS NOTED)
		HIGH MAST POLE OR TOWER
		SIGN AND POST
		SIGN AND POST (2 POSTS)
		MAST ARM WITH LUMINAIRE
		OPTICAL PRE-EMPTION DETECTOR
		CONTROL CABINET, GROUND MOUNTED
		CONTROL CABINET, POLE MOUNTED
		FLASHING BEACON CONTROL AND METER PEDESTAL
		LOAD CENTER ASSEMBLY
		PULL BOX 12"x12" (OR AS NOTED)
		ELECTRIC HANDHOLE 12"x24" (OR AS NOTED)
		TRAFFIC SIGNAL CONDUIT

PAVEMENT MARKINGS SYMBOLS

EXISTING	PROPOSED	DESCRIPTION
		PAVEMENT ARROW - WHITE
		LEGEND "ONLY" - WHITE
		12" STOP LINE
		12" CROSSWALK
		4" SOLID WHITE LINE (TRAIL) OR 6" SOLID WHITE LINE (ROADWAY)
		4" SOLID YELLOW LINE (TRAIL) OR 6" SOLID YELLOW LINE (ROADWAY)
		4" BROKEN WHITE LINE (TRAIL) OR 6" BROKEN WHITE LINE (ROADWAY)
		4" BROKEN YELLOW LINE (TRAIL) OR 6" BROKEN YELLOW LINE (ROADWAY)
		4" DOTTED WHITE LINE (TRAIL) OR 6" DOTTED WHITE LINE (ROADWAY)
		4" DOTTED YELLOW LINE (TRAIL) OR 6" DOTTED YELLOW LINE (ROADWAY)
		4" DOTTED WHITE LINE EXTENSION (TRAIL) OR 6" DOTTED WHITE LINE EXTENSION (ROADWAY)
		4" DOTTED YELLOW LINE EXTENSION (TRAIL) OR 6" DOTTED YELLOW LINE EXTENSION (ROADWAY)
		4" DOUBLE WHITE LINE (TRAIL) OR 6" DOUBLE WHITE LINE (ROADWAY)
		4" DOUBLE YELLOW LINE (TRAIL) OR 6" DOUBLE YELLOW LINE (ROADWAY)

ABBREVIATIONS

GENERAL	
AADT	ANNUAL AVERAGE DAILY TRAFFIC
ABAN	ABANDON
ADJ	ADJUST
APPROX.	APPROXIMATE
A.C.	ASPHALT CONCRETE
ACCM PIPE	ASPHALT COATED CORRUGATED METAL PIPE
BIT.	BITUMINOUS
BC	BOTTOM OF CURB
BD.	BOUND
BL	BASELINE
BLDG	BUILDING
BM	BENCHMARK
BO	BY OTHERS
BOS.	BOTTOM OF SLOPE
BR.	BRIDGE
CB	CATCH BASIN
CBCI	CATCH BASIN WITH CURB INLET
CC	CEMENT CONCRETE
CCM	CEMENT CONCRETE MASONRY
CEM	CEMENT
CI	CURB INLET
CIP	CAST IRON PIPE
CLF	CHAIN LINK FENCE
CL	CENTERLINE
CMP	CORRUGATED METAL PIPE
CSP	CORRUGATED STEEL PIPE
CO.	COUNTY
CONC	CONCRETE
CONT	CONTINUOUS
CONST	CONSTRUCTION
CR GR	CROWN GRADE
DHV	DESIGN HOURLY VOLUME
DI	DROP INLET
DIA	DIAMETER
DIP	DUCTILE IRON PIPE
DW	STEADY DON'T WALK - PORTLAND ORANGE
DWY	DRIVEWAY
ELEV (or EL.)	ELEVATION
EMB	EMBANKMENT
EOP	EDGE OF PAVEMENT
EXIST (or EX)	EXISTING
EXC	EXCAVATION
F&C	FRAME AND COVER
F&G	FRAME AND GRATE
FDN.	FOUNDATION
FLDSTN	FIELDSTONE
GAR	GARAGE
GD	GROUND
GG	GAS GATE
GI	GUTTER INLET
GIP	GALVANIZED IRON PIPE
GRAN	GRANITE
GRAV	GRAVEL
GRD	GUARD
HDW	HEADWALL
HMA	HOT MIX ASPHALT
HOR	HORIZONTAL
HYD	HYDRANT
INV	INVERT
JCT	JUNCTION
L	LENGTH OF CURVE
LB	LEACH BASIN
LP	LIGHT POLE
LT	LEFT
MAX	MAXIMUM
MB	MAILBOX
MH	MANHOLE
MHB	MASSACHUSETTS HIGHWAY BOUND
MIN	MINIMUM
NIC	NOT IN CONTRACT
NO.	NUMBER
PC	POINT OF CURVATURE
PCC	POINT OF COMPOUND CURVATURE
PCR	PEDESTRIAN CURB RAMP
P.G.L.	PROFILE GRADE LINE
PI	POINT OF INTERSECTION
POC	POINT ON CURVE
POT	POINT ON TANGENT
PRC	POINT OF REVERSE CURVATURE
PROJ	PROJECT
PROP	PROPOSED
PSB	PLANTABLE SOIL BORROW
PT	POINT OF TANGENCY
PVC	POINT OF VERTICAL CURVATURE
PVI	POINT OF VERTICAL INTERSECTION
PVT	POINT OF VERTICAL TANGENCY
PVMT	PAVEMENT

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LEGEND & ABBREVIATIONS

ABBREVIATIONS (cont.)

GENERAL	
PWW	PAVED WATER WAY
R	RADIUS OF CURVATURE
R&D	REMOVE AND DISPOSE
RCP	REINFORCED CONCRETE PIPE
RD	ROAD
RDWY	ROADWAY
REM	REMOVE
RET	RETAIN
RET WALL	RETAINING WALL
ROW	RIGHT OF WAY
RR	RAILROAD
R&R	REMOVE AND RESET
R&S	REMOVE AND STACK
RT	RIGHT
SB	STONE BOUND
SHLD	SHOULDER
SMH	SEWER MANHOLE
ST	STREET
STA	STATION
SSD	STOPPING SIGHT DISTANCE
SHLO	STATE HIGHWAY LAYOUT LINE
SW	SIDEWALK
T	TANGENT DISTANCE OF CURVE/TRUCK %
TAN	TANGENT
TEMP	TEMPORARY
TC	TOP OF CURB
TOS	TOP OF SLOPE
TYP	TYPICAL
UP	UTILITY POLE
VAR	VARIES
VERT	VERTICAL
VC	VERTICAL CURVE
WG	WATER GATE
WIP	WROUGHT IRON PIPE
WM	WATER METER/WATER MAIN
X-SECT	CROSS SECTION

TRAFFIC SIGNAL ABBREVIATIONS

CAB	CABINET
CCVE	CLOSED CIRCUIT VIDEO EQUIPMENT
DW	STEADY UPRAISED HAND
FDW	FLASHING UPRAISED HAND
FR	FLASHING CIRCULAR RED
FRL	FLASHING RED LEFT ARROW
FRR	FLASHING RED RIGHT ARROW
FY	FLASHING CIRCULAR YELLOW
FYL	FLASHING YELLOW LEFT ARROW
FYR	FLASHING YELLOW RIGHT ARROW
G	STEADY CIRCULAR GREEN
GL	STEADY GREEN LEFT ARROW
GR	STEADY GREEN RIGHT ARROW
GSL	STEADY GREEN SLASH LEFT ARROW
GSR	STEADY GREEN SLASH RIGHT ARROW
GV	STEADY GREEN VERTICAL ARROW
OL	OVERLAP
PED	PEDESTRIAN
PTZ	PAN, TILT, ZOOM
R	STEADY CIRCULAR RED
RL	STEADY RED LEFT ARROW
RR	STEADY RED RIGHT ARROW
TR SIG	TRAFFIC SIGNAL
TSC	TRAFFIC SIGNAL CONDUIT
W	STEADY WALKING PERSON
Y	STEADY CIRCULAR YELLOW
YL	STEADY YELLOW LEFT ARROW

GENERAL NOTES

1. EXISTING GROUND SURFACES SHOWN ON PLANS, PROFILES AND CROSS SECTIONS ARE BASED UPON DATA OBTAINED BY FIELD SURVEYS.
2. THE LOCATIONS OF EXISTING SUBSURFACE STRUCTURES, SUCH AS SEWERS, WATER MAINS, DRAINS AND OTHER UTILITIES ARE APPROXIMATE ONLY AND THE ENGINEER DOES NOT GUARANTEE THEIR NUMBER OR LOCATIONS. THE CONTRACTOR SHALL VERIFY THE LOCATION OF ALL UNDERGROUND UTILITIES BEFORE EXCAVATING.
3. ALL GAS GATES, ELECTRIC MANHOLES, AND TELEPHONE MANHOLES WITHIN THE LIMITS OF WORK SHALL BE ADJUSTED BY THE OWNING AGENCY. ALL GAS, ELECTRIC, TELEPHONE AND CATV WORK SHALL BE DONE BY THE OWNING AGENCY. THE CONTRACTOR SHALL NOTIFY THE OWNING AGENCIES TO ADJUST AND/OR RELOCATE THESE STRUCTURES TO AVOID IMPACTING THE CONTRACTOR'S SCHEDULE OF OPERATIONS.
4. ANY CLEANING OF CATCH BASINS OR DRAIN PIPES NECESSARY FOR THE PROPOSED WORK SHALL BE COMPLETED BY THE RESPECTIVE MUNICIPALITY INVOLVED.
5. ANY DRAINAGE / SEWER / WATER CASTINGS BROKEN THROUGH NO FAULT OF THE CONTRACTOR SHALL BE SUPPLIED BY THE RESPECTIVE MUNICIPALITY FOR ADJUSTMENT UNDER THE CONTRACT ITEMS.
6. THE CONTRACTOR SHALL COORDINATE HIS WORK WITH THE UTILITY COMPANIES DOING WORK IN THE SAME AREA. THE CONTRACTOR SHALL ALLOW THE UTILITY COMPANIES AND THEIR REPRESENTATIVES TO ADJUST AND/OR INSTALL THEIR SYSTEMS WITHIN TOWN/ CITY/ STATE OWNED STREETS AND EASEMENTS.
7. CURB SHALL BE FURNISHED AND SET AT LOCATIONS SHOWN ON THE PLANS AND/OR AS REQUIRED BY THE ENGINEER.
8. CONSTRUCT DRIVEWAYS AND WALKS AS SHOWN ON THE PLANS AND/OR AS REQUIRED BY THE ENGINEER.
9. EXISTING GRANITE CURB AND EDGING SUITABLE FOR REUSE WITHIN THE PROJECT SITE SHALL BE REMOVED AND RESET IN ACCORDANCE WITH THE PLANS AND/OR AS REQUIRED BY THE ENGINEER.
10. SAWCUT EXISTING ASPHALT ROADWAYS, CEMENT CONCRETE SIDEWALKS, AND ASPHALT DRIVEWAYS AS SHOWN ON THE PLANS AND AT THE PROPOSED MATCH LINE.
11. WHERE AN EXISTING UTILITY IS FOUND TO CONFLICT WITH THE PROPOSED WORK, THE LOCATION, ELEVATION AND SIZE OF THE UTILITY SHALL BE ACCURATELY DETERMINED WITHOUT DELAY BY THE CONTRACTOR, AND THE INFORMATION FURNISHED TO THE ENGINEER FOR RESOLUTION OF THE CONFLICT.
12. AREAS OUTSIDE THE LIMITS OF PROPOSED WORK DISTURBED BY THE CONTRACTOR'S OPERATIONS SHALL BE RESTORED BY THE CONTRACTOR TO THEIR ORIGINAL CONDITION AT NO ADDITIONAL COST TO THE OWNER.
13. ALL ACCESSIBLE ROUTES, WALKWAYS, CURB CUTS, RAMPS, SIDEWALKS, DRIVEWAY OPENINGS, CLEARANCES AND SLOPE TOLERANCES SHALL CONFORM WITH THE AMERICANS WITH DISABILITY ACT (ADA), ARCHITECTURAL ACCESS BOARD (AAB), 521 CMR AND MASSDOT CONSTRUCTION AND TRAFFIC STANDARD DRAWINGS.
14. ITEMS LABELED "REM" SHALL BE REMOVED AND DISCARDED BY CONTRACTOR.
15. THE CONTRACTOR SHALL PROTECT EXISTING SURVEY MONUMENTS AND SHALL RESET ANY MONUMENTATION DISTURBED BY THEIR OPERATIONS.
16. THE CONTRACTOR SHALL INSTALL OTHER NECESSARY TEMPORARY REGULATORY AND WARNING SIGNS DURING CONSTRUCTION AS REQUIRED BY THE ENGINEER FOR OTHER INCIDENTAL CONSTRUCTION ACTIVITIES. ALL SIGNAGE AND TRAFFIC CONTROL DEVICES USED MUST CONFORM TO THE LATEST "MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES" (MUTCD).
17. THE CONTRACTOR SHALL PERFORM HIS WORK IN A MANNER ACCEPTABLE TO THE ENGINEER SO THAT INTERFERENCE WITH AND INCONVENIENCE TO BUSINESS CONCERNS AND ABUTTERS, ON ACCOUNT OF THE CONSTRUCTION WORK, IS KEPT TO A MINIMUM.
18. THE CONTRACTOR SHALL NOT BE ALLOWED TO PARK EQUIPMENT OR STOCKPILE EQUIPMENT OR MATERIAL ON THE TRAVELED WAYS OVERNIGHT OR WHEN NOT IN USE.
19. THE CONTRACTOR SHALL MAKE REASONABLE EFFORS NOT TO USE THE DRIVEWAY SERVING 127 SUMMER STREET.
20. THE CONTRACTOR SHALL NOT BE ALLOWED TO PARK EQUIPMENT OR STOCKPILE EQUIPMENT OR MATERIAL WITHIN THE DRIVEWAY OR PARKING LOT SERVING ST. PAULS CHURCH AT 127 SUMMER STREET (LYNNFIELD) AND MAKE REASONABLE EFFORTS TO NOT INTERFERE WITH ACCESS TO THE SCHOOL, SCHOOL ACTIVITIES, THE CHURCH AND CHURCH ACTIVITIES. THE CONTRACTOR SHALL COORDINATE THEIR WORK AT THE DRIVEWAY OF ST. PAULS CHURCH AT 127 SUMMER STREET (LYNNFIELD) TO AVOID SCHOOL DROPOFF AND PICKUP TIMES. NO WORK SHALL BE PERFORMED IN THE EASEMENT ON SUNDAYS DURING CHURCH SERVICES OR DURING OTHER CHURCH EVENTS.
21. THE CONTRACTOR SHALL MAINTAIN SAFE ACCESS TO 127 SUMMER STREET, AND SHALL INSTALL AND MAINTAIN, FOR THE DURATION OF CONSTRUCTION ACTIVITY, A TEMPORARY FENCE ALONG THE PROPERTY LINE TO CONTAIN CONSTRUCTION ACTIVITY.
22. THE CONTRACTOR SHALL MAINTAIN SAFE AND REASONABLE ACCESS TO AND FROM ABUTTING PROPERTY, PRIVATE WAYS, DRIVEWAYS AND ALL ALLEYS DURING THE CONSTRUCTION PERIOD.
23. THE CONTRACTOR HAS NO ACCESS TO MBTA PROPERTY IN THE CITY OF PEABODY AND THERE IS NO ACCESS TO OR FROM THE PROJECT SITE FROM NICHOLS LANE.
24. THE CONTRACTOR SHALL COORDINATE WITH THE MBTA (ROBERT PROULX, RProulx@MBTA.COM, 857-330-2813) TO ARRANGE A MUTUALLY AGREED TIME AND LOCATION TO STACK THE RAILS REMOVED AND STACKED UNDER ITEM 129.5.
25. ALL DETECTABLE WARNING PANELS SHALL BE MOUNTED IN CEMENT CONCRETE AND INSTALLED IN ACCORDANCE WITH MASSDOT CONSTRUCTION STANDARD DETAIL 701.2:1.

SURVEY NOTES

1. COORDINATES, IN U.S. SURVEY FEET, ARE IN THE MASSACHUSETTS STATE PLANE COORDINATE SYSTEM (MCS), MAINLAND ZONE, REFERENCED TO THE NORTH AMERICAN DATUM OF 1983, (NAD 83/2011, EPOCH 2010.00), BASED ON THE KeyNetGPS VIRTUAL REFERENCE SYSTEM (VRS).
2. ELEVATIONS, IN U.S. SURVEY FEET, ARE REFERENCED TO THE NORTH AMERICAN VERTICAL DATUM OF 1988 (NAVD88) BASED ON THE KeyNetGPS VIRTUAL REFERENCE SYSTEM (VRS).
3. SUBSURFACE UTILITY LINES AND FEATURES, AS SHOWN HEREIN, WERE COMPILED FROM FIELD EVIDENCE AND/OR AVAILABLE RECORD INFORMATION (SEE REFERENCES), AND THEIR LOCATIONS ARE ONLY APPROXIMATE. ACTUAL LOCATIONS MUST BE DETERMINED IN THE FIELD.
- DAWOOD ASSUMES NO RESPONSIBILITY FOR DAMAGES INCURRED AS A RESULT OF UTILITIES OMITTED OR INACCURATELY SHOWN.
- BEFORE DESIGNING FUTURE CONNECTIONS, THE APPROPRIATE UTILITIES MUST BE CONSULTED.
- BEFORE CONSTRUCTION, ALL UTILITIES, PUBLIC AND PRIVATE, MUST BE NOTIFIED (SEE MASSACHUSETTS GENERAL LAWS, CHAPTER 82 SECTION 40).
- CALL "DIG SAFE" 1-888-DIG-SAFE. (888-344-7233).

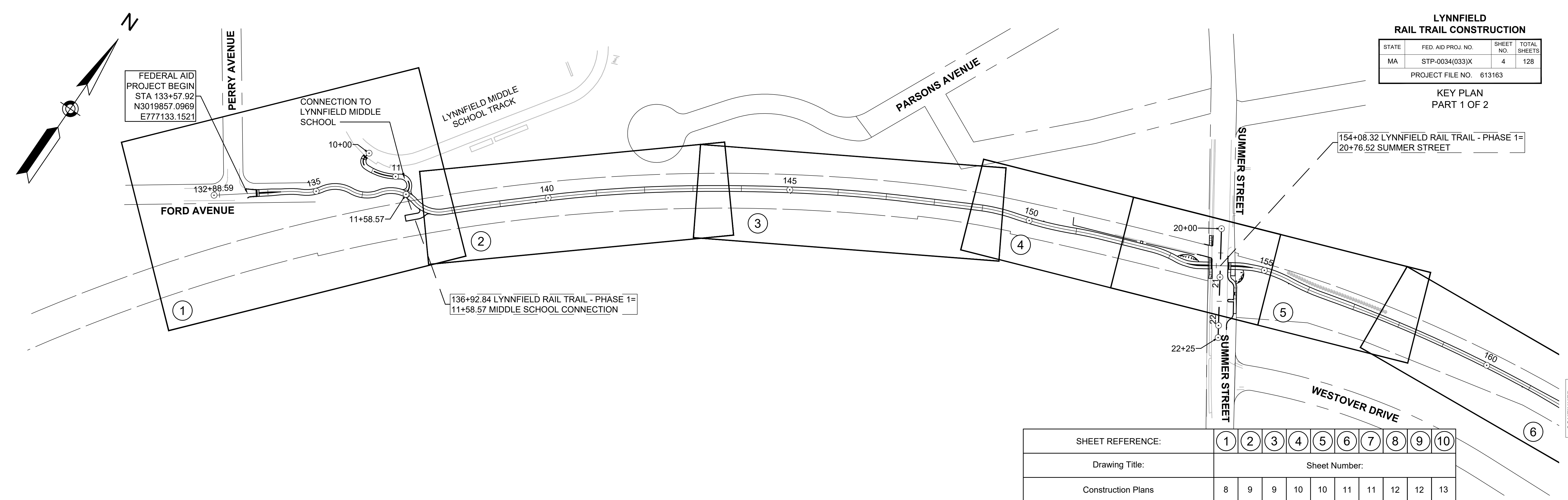
TREE & VEGETATION MANAGEMENT NOTES

1. THE INTENT IS TO PRESERVE AS MUCH NATURAL VEGETATION AS FEASIBLE. A 2-FT MINIMUM OFFSET FROM THE EDGE OF PATH MUST REMAIN CLEAR OF TREES. THE ARBORIST (ITEM 102.55) SHALL BE CONSULTED TO IMPLEMENT PROTECTION MEASURES TO RETAIN TREES WHERE FEASIBLE.
2. ALL TREES REQUIRING REMOVAL SHALL BE MARKED AND APPROVED BY THE ENGINEER PRIOR TO REMOVAL.
3. ALL TREES OVER 8" DIAMETER WITHIN WETLAND RESOURCE AREAS REQUIRE APPROVAL UNDER ITEM 755.51 PRIOR TO REMOVAL.
4. EXISTING PAVED AREAS WILL BE EXCLUDED FROM PAYMENT UNDER ITEM 101. - CLEARING AND GRUBBING.
5. CLEARING AND GRUBBING AND SELECTIVE CLEARING AND THINNING SHALL NOT OCCUR WITHIN WETLAND AREAS.
6. TREE TRIMMING (ITEM 102.001) SHALL BE COMPLETED AFTER THE GRAVEL SUBBASE IS PLACED AND PRIOR TO TRAIL PAVING. THIS ITEM SHALL BE USED TO CLEAR ANY TREE LIMBS THAT ARE UNDESIRABLE OR DAMAGED AS A RESULT OF THE CLEARING OPERATION.
7. TREES LOCATED WITHIN THE PROJECT LIMITS APPROVED FOR REMOVAL SHALL BE REMOVED AND PAID FOR UNDER ITEM 101. - CLEARING AND GRUBBING.

LYNNFIELD
RAIL TRAIL CONSTRUCTION

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GENERAL NOTES



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RAIL TRAIL CONSTRUCTION

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MA	STP-0034(033)X	4	128

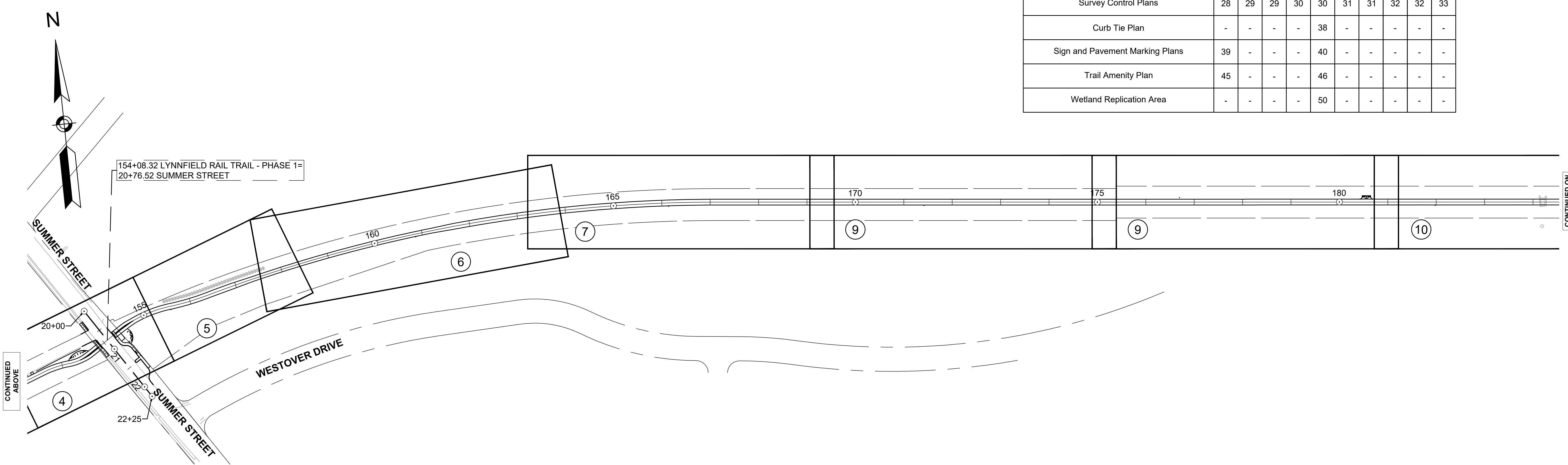
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KEY PLAN
PART 1 OF 2

154+08.32 LYNNFIELD RAIL TRAIL - PHASE 1=
20+76.52 SUMMER STREET

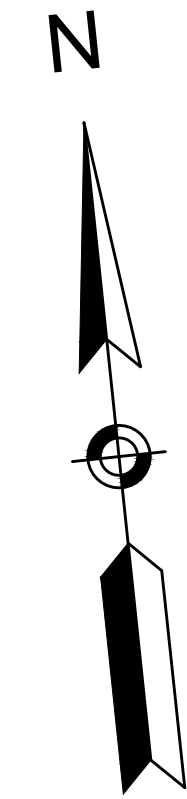
136+92.84 LYNNFIELD RAIL TRAIL - PHASE 1=
11+58.57 MIDDLE SCHOOL CONNECTION

SHEET REFERENCE:	1	2	3	4	5	6	7	8	9	10
Drawing Title:	Sheet Number:									
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Survey Control Plans	28	29	29	30	30	31	31	32	32	33
Curb Tie Plan	-	-	-	-	38	-	-	-	-	-
Sign and Pavement Marking Plans	39	-	-	-	40	-	-	-	-	-
Trail Amenity Plan	45	-	-	-	46	-	-	-	-	-
Wetland Replication Area	-	-	-	-	50	-	-	-	-	-



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BELOW

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SHEET NO. 5



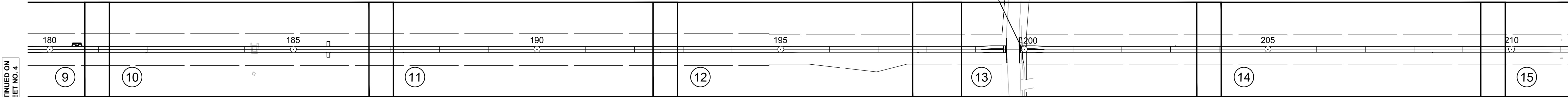
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KEY PLAN
PART 2 OF 2

FEDERAL AID PROJECT END
NON-FEDERAL AID PROJECT BEGIN
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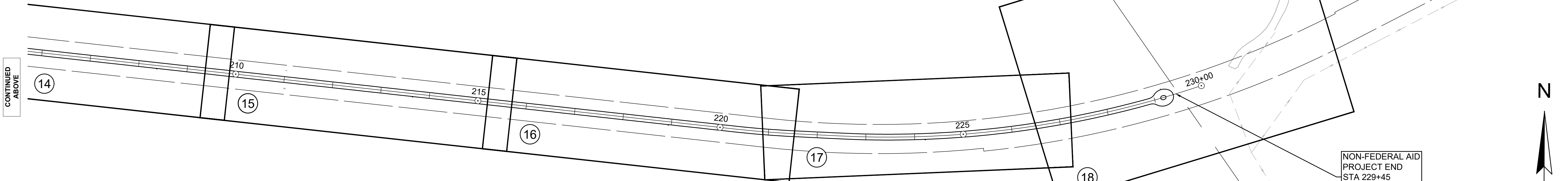
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BELOW

PILINGS POND ROAD

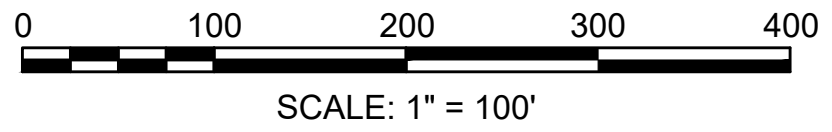
WILDEWOOD DRIVE

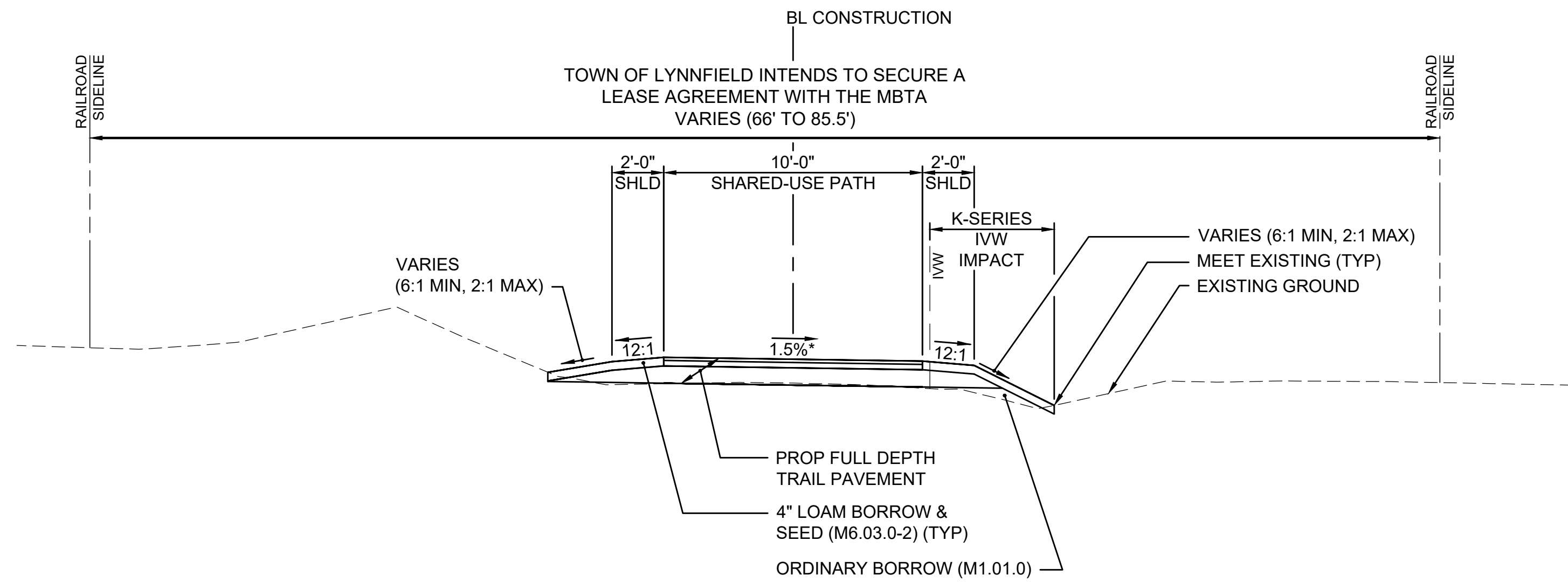
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Survey Control Plans	32	33	33	34	34	35	35	36	36	37
Sign and Pavement Marking Plans	-	-	-	-	41	-	-	-	-	-



CONTINUED
ABOVE

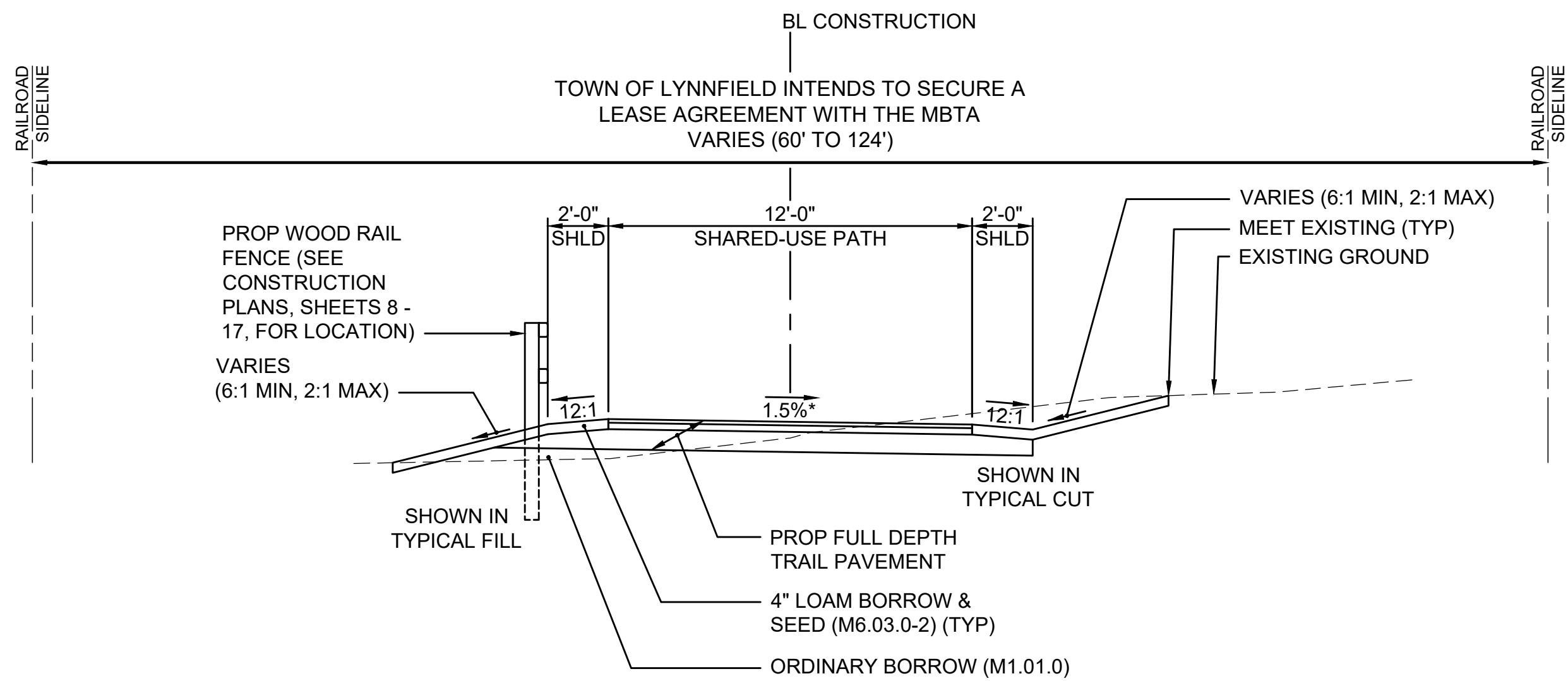
NON-FEDERAL AID
PROJECT END
STA 229+45
N3020544.2803
E786350.1456





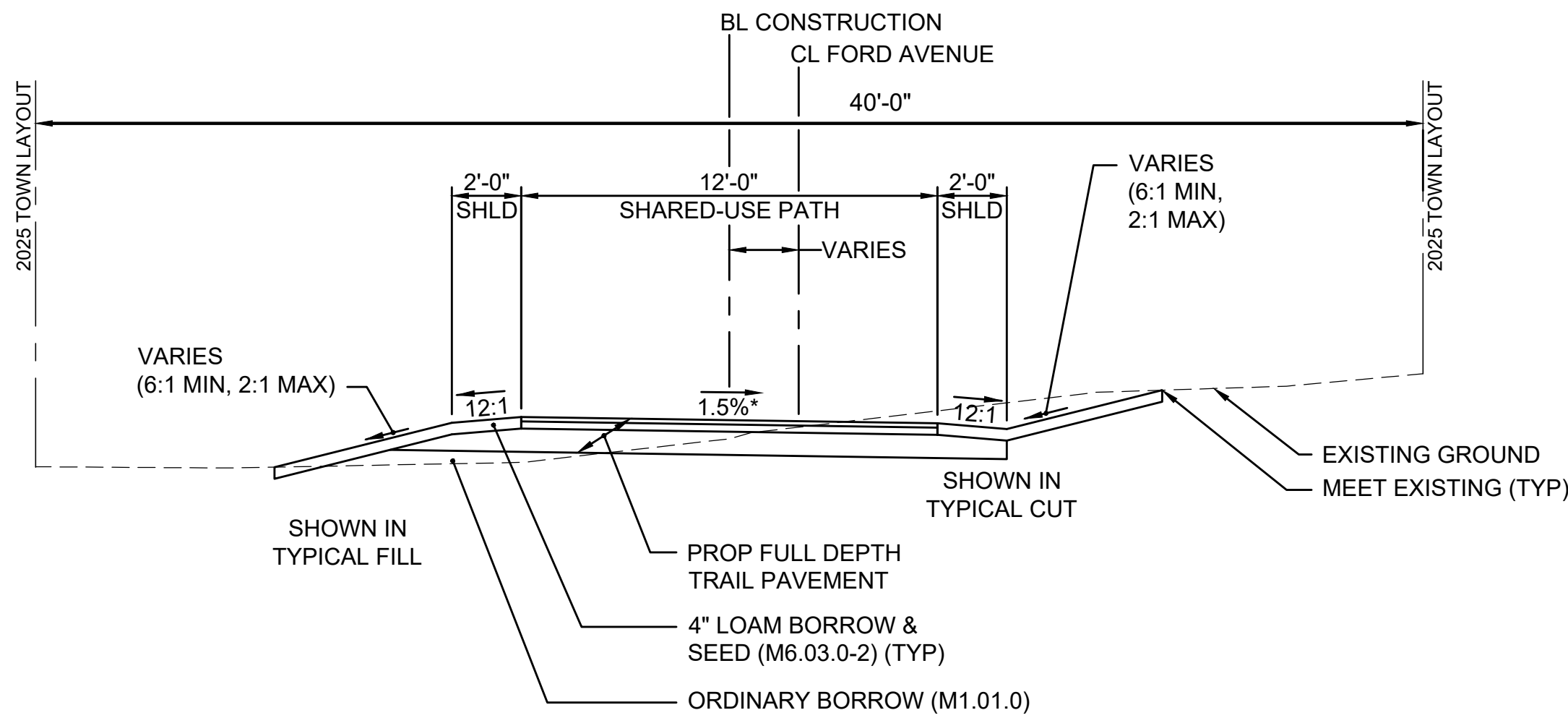
TYPICAL FULL DEPTH TRAIL SECTION

NOT TO SCALE
STA 157+38± TO STA 161+20±



TYPICAL FULL DEPTH TRAIL SECTION

NOT TO SCALE
STA 137+25± (RR CORRIDOR) TO STA 153+85± (SUMMER ST)
STA 154+24± (SUMMER ST) TO STA 157+38±
STA 161+20± TO STA 182+50±



TYPICAL FULL DEPTH TRAIL SECTION

NOT TO SCALE
STA 133+87± (FORD AVE) TO STA 136+00±

PAVEMENT NOTES

PROPOSED FULL DEPTH TRAIL PAVEMENT SECTIONS

SURFACE: 1-1/2" SUPERPAVE SURFACE COURSE 9.5 (SSC-9.5)

INTERMEDIATE: 2-1/2" SUPERPAVE INTERMEDIATE COURSE 19.0 (SIC-19.0)

BASE: 8" GRAVEL BORROW, TYPE b

PROPOSED FULL DEPTH ROADWAY PAVEMENT SECTIONS (SUMMER STREET PARKING AREA & FORD AVENUE)

SURFACE: 2" SUPERPAVE SURFACE COURSE 12.5 (SSC-12.5)

INTERMEDIATE: 2-1/2" SUPERPAVE INTERMEDIATE COURSE 19.0 (SIC-19.0)

BASE: 4" SUPERPAVE BASE COURSE 37.5 (SBC-37.5)
4" DENSE GRADED CRUSHED STONE FOR SUBBASE
8" GRAVEL BORROW, TYPE b

PROPOSED FULL DEPTH STABILIZED STONEDUST SECTIONS

SURFACE: 4" STABILIZED STONEDUST

BASE: 8" GRAVEL BORROW, TYPE b

PROPOSED FULL DEPTH CEMENT CONCRETE SIDEWALK SECTIONS

SURFACE: 4" CEMENT CONCRETE
(4,000 PSI, 3/4", 610 LBS. AIR ENTRAINED)

BASE: 8" GRAVEL BORROW, TYPE b

PROPOSED FULL DEPTH CEMENT CONCRETE PEDESTRIAN CURB RAMP SECTIONS PROPOSED FULL DEPTH CEMENT CONCRETE DRIVEWAY SECTIONS

SURFACE: 6" CEMENT CONCRETE
(4,000 PSI, 3/4", 610 LBS. AIR ENTRAINED)

BASE: 8" GRAVEL BORROW, TYPE b

PROPOSED FULL DEPTH CURB SETTING PAVEMENT SECTIONS

SEE METHOD OF SETTING GRANITE CURB
(AGAINST EXISTING PAVEMENT) SEE DETAIL SHEET 54

SURFACE: 2" HOT MIX ASPHALT FOR PATCHING

BASE: 10"± CEMENT CONCRETE
6" (MIN) GRAVEL BORROW, TYPE b

TACK COAT SHALL BE APPLIED BETWEEN ALL PAVEMENT COURSES IN ACCORDANCE WITH SUBSECTION 450.43G2 AND NOTES BELOW.

TACK COAT NOTE:
ASPHALT EMULSION FOR TACK COAT SHALL BE GRADE RS-1H, PER THE SPECIFICATIONS. TACK COAT SHALL BE SPRAY APPLIED AT THE RATE OF:

- 0.06 TO 0.08 GAL/SY OVER NEW HMA SURFACES, NOT OPENED TO TRAFFIC
- 0.06 TO 0.08 GAL/SY OVER EXISTING TIGHT SMOOTH PAVEMENT
- 0.07 TO 0.09 GAL/SY OVER MILLED SURFACES
- 0.06 TO 0.09 GAL/SY OVER NEW HMA PATCHES

ANCILLARY WORK NOTE:
PREPARATION OF UNDERLYING SURFACE, ASPHALT EMULSION FOR TACK COAT, HMA FOR PATCHING, AND HMA JOINT SEALANT SHALL BE IN ACCORDANCE WITH SECTION 450.

THE EMBANKMENT SHALL BE IN ACCORDANCE WITH STANDARD SPECIFICATIONS FOR HIGHWAYS AND BRIDGES SECTION 100 EARTHWORK.

WOOD RAIL FENCE NOTE:
REFERENCE CONSTRUCTION PLANS (SHEETS 8 - 17) FOR LOCATIONS OF WOOD RAIL FENCE.

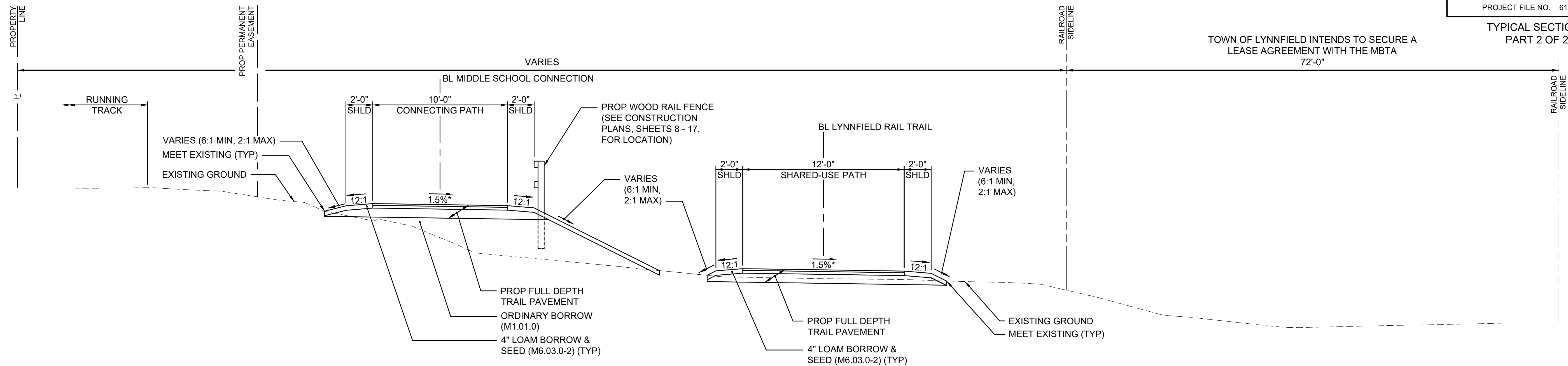
LYNNFIELD RAIL TRAIL CONSTRUCTION

STATE	FED. AID PROJ. NO.	SHEET NO.	TOTAL SHEETS
MA	STP-0034(033)X	6	128
PROJECT FILE NO.			613163

TYPICAL SECTIONS
PART 1 OF 2

LYNNFIELD RAIL TRAIL CONSTRUCTION			
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MA	STP-0034(033)X	7	128
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TYPICAL SECTIONS
PART 2 OF 2



TYPICAL FULL DEPTH CONNECTING PATH SECTION

NOT TO SCALE
STA 10+10± TO STA 11+53±

TYPICAL FULL DEPTH TRAIL SECTION

NOT TO SCALE
STA 136+00± TO STA 137+25± (RR CORRIDOR)

TREE TRIMMING LIMIT - MAX 18'-0" ABOVE PAVEMENT SURFACE AND 2'-0" BEYOND PROP EDGE OF PAVEMENT, BOTH SIDES

LEANING TREES AND MAJOR BRANCHES OVER 6-INCHES IN DIAMETER SHALL NOT BE TRIMMED. THE CONTRACTOR WILL BE REQUIRED TO WORK AROUND THESE WITHOUT CAUSING DAMAGE.

SELECTIVE CLEARING & THINNING LIMIT (5' MAX BEYOND CLEARING AND GRUBBING LIMIT) WHERE SHOWN ON THE PLANS OR AS REQUIRED BY THE ENGINEER

TRIM BRANCHES WITHIN THE LIMITS SHOWN AS NEEDED FOR EQUIPMENT ACCESS. THE CONTRACTOR IS NOT REQUIRED TO CUT ALL BRANCHES WITHIN THE LIMITS OF CONTRACT WORK CAN BE DONE WITHOUT DAMAGING REMAINING TREES AND BRANCHES.

SELECTIVE CLEARING & THINNING LIMIT (5' MAX BEYOND CLEARING AND GRUBBING LIMIT) WHERE SHOWN ON THE PLANS OR AS REQUIRED BY THE ENGINEER

EXISTING TREE TO REMAIN

ALL BRUSH, WEEDS, GRASS, ETC. SHALL BE TRIMMED OR MOWED TO A MAXIMUM OF 2'-0" BEYOND THE LIMIT OF SLOPE WORK ON BOTH SIDES, UNLESS ADJACENT TO ENVIRONMENTAL RESOURCE AREAS

VEGETATION MANAGEMENT FOR
CONSTRUCTION ACCESS

NOT TO SCALE

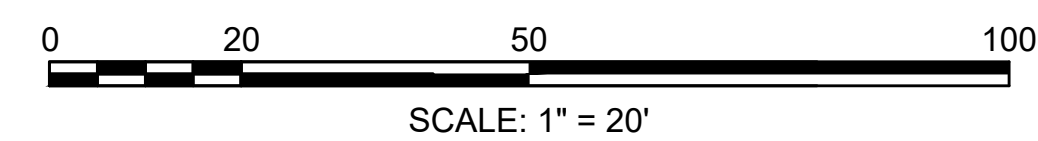
VEGETATION MANAGEMENT FOR CONSTRUCTION ACCESS NOTES:

1. THE INTENT IS TO PRESERVE AS MUCH NATURAL VEGETATION AS FEASIBLE. A 2-FT MINIMUM OFFSET FROM THE EDGE OF PATH MUST REMAIN CLEAR OF TREES. THE ARBORIST (ITEM 102.55) SHALL BE CONSULTED TO IMPLEMENT PROTECTION MEASURES TO RETAIN TREES WHERE FEASIBLE.
2. ALL TREES REQUIRING REMOVAL SHALL BE MARKED AND APPROVED BY THE ENGINEER PRIOR TO REMOVAL.
3. ALL TREES OVER 8" DIAMETER WITHIN WETLAND RESOURCE AREAS REQUIRE APPROVAL UNDER ITEM 755.51 PRIOR TO REMOVAL.
4. EXISTING PAVED AREAS WILL BE EXCLUDED FROM PAYMENT UNDER ITEM 101. - CLEARING AND GRUBBING.
5. CLEARING AND GRUBBING AND SELECTIVE CLEARING AND THINNING SHALL NOT OCCUR WITHIN WETLAND AREAS.
6. TREE TRIMMING (ITEM 102.001) SHALL BE COMPLETED AFTER THE GRAVEL SUBBASE IS PLACED AND PRIOR TO TRAIL PAVING. THIS ITEM SHALL BE USED TO CLEAR ANY TREE LIMBS THAT ARE UNDESIRABLE OR DAMAGED AS A RESULT OF THE CLEARING OPERATION.

* - TOLERANCE FOR CONSTRUCTION ±0.5% (TYP)

STATE	FED. AID PROJ. NO.	SHEET NO.	TOTAL SHEETS
MA	STP-0034(033)X	8	128
PROJECT FILE NO. 613163			

613163_HD(CONST PLANS).DWG Plotted on 29-Jun-2026 4:41 PM



PIPE TABLE				
PIPE	PIPE LOCATION	SIZE & TYPE	LENGTH	SLOPE
P-1	FE-1 TO FE-2 STA 137+16.29 TO 137+46.88	18" RCP CLASS V	40 LF	0.014

NOTE:

1. THE CONTRACTOR SHALL STAKE THE ALIGNMENT AND LIMITS OF WORK OF THE PROJECT BETWEEN FORD AVENUE AND THE RAILROAD CORRIDOR IN ORDER TO DETERMINE IMPACTS TO EXISTING TREES. THE DESIGN INTENT IS TO HAVE THE TRAIL ALIGNMENT MEANDER BETWEEN THE TREES, WHILE MAINTAINING A 2-FT MINIMUM OFFSET BETWEEN THE EDGE OF PAVEMENT AND THE EDGE OF TREES.

HIGHWAY GUARD DETAILS
STA 138+40± TO 139+50±, RT
STA 146+80± TO 147+30±, LT
STA 148+20± TO 149+10±, RT
STA 148+70± TO 150+40±, LT

TRAFFIC SIGNAL CONDUIT
NONE

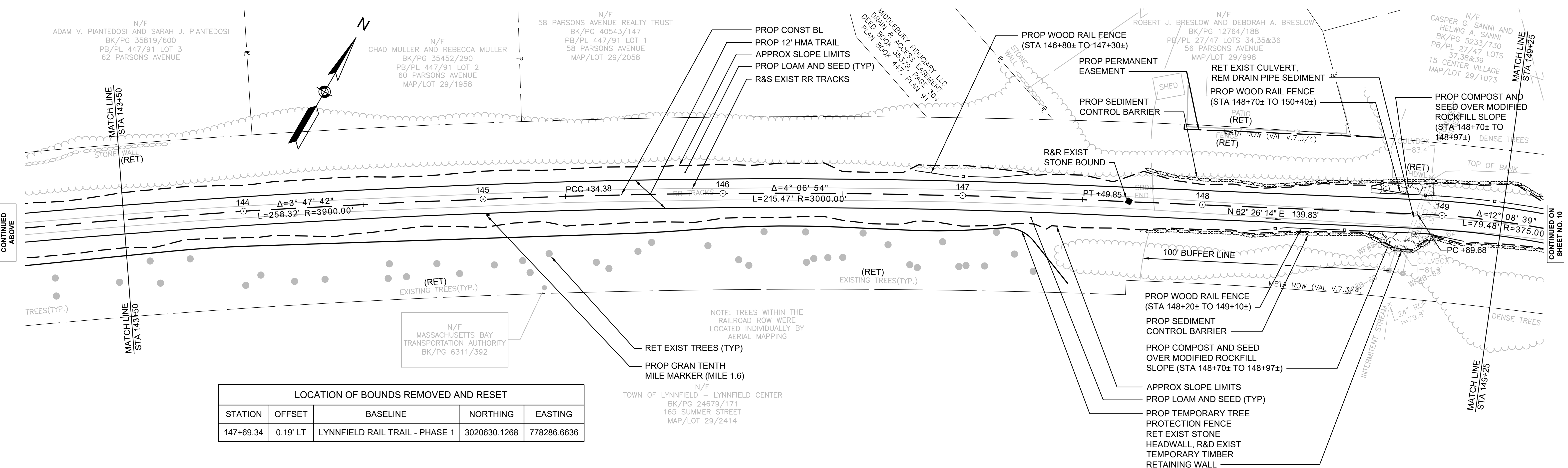
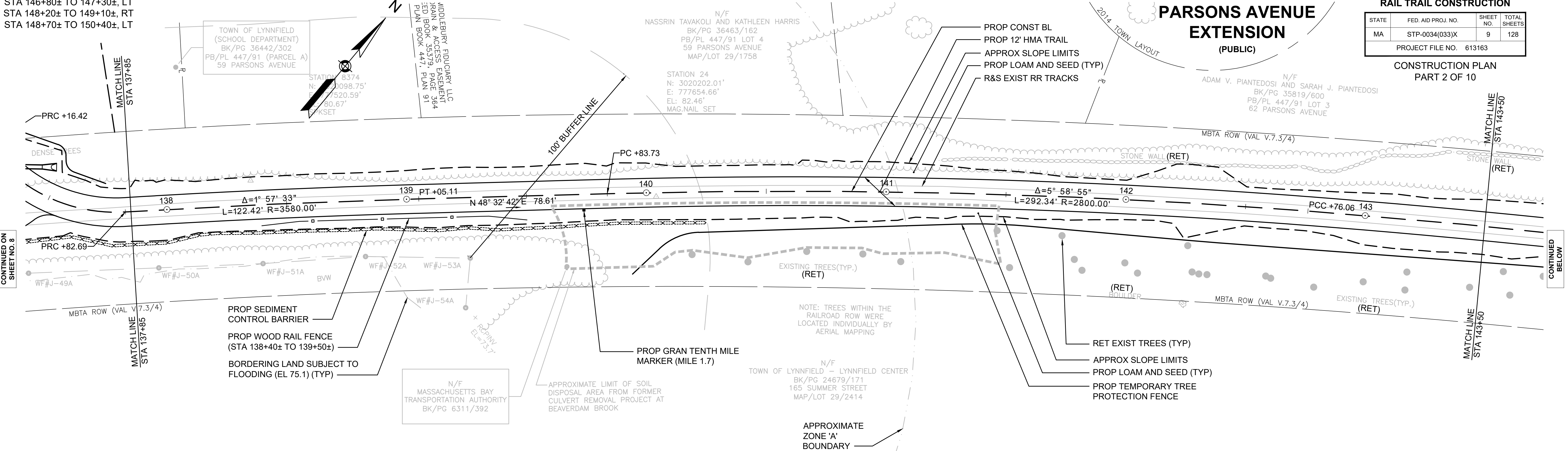
WATER SUPPLY ALTERATIONS
NONE

DRAINAGE DETAILS
SEE BELOW

LYNNFIELD RAIL TRAIL CONSTRUCTION			
STATE	FED. AID PROJ. NO.	SHEET NO.	TOTAL SHEETS
MA	STP-0034(033)X	9	128
PROJECT FILE NO. 613163			

CONSTRUCTION PLAN
PART 2 OF 10

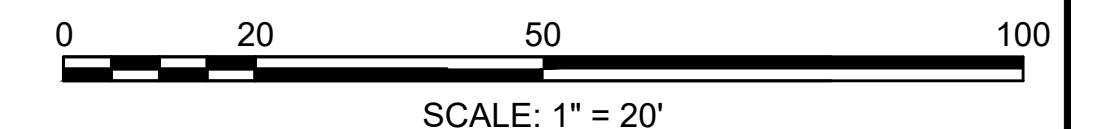
PARSONS AVENUE EXTENSION (PUBLIC)



LOCATION OF BOUNDS REMOVED AND RESET

STATION	OFFSET	BASELINE	NORTHING	EASTING
147+69.34	0.19' LT	LYNNFIELD RAIL TRAIL - PHASE 1	3020630.1268	778286.6636

FOR PROFILES SEE SHEET 18-19



HIGHWAY GUARD DETAILS

WOOD RAIL FENCE:
STA 148+70± TO 150+40±, LT
STA 152+50± TO 153+75±, RT
WITH GUARDRAIL:
STA 150+90± TO 153+51±, LT

CASPER G. SANNI AND
HELWIG A. SANNI
BK/PG 5233/730
PB/PL 27/47 LOTS
37,38&39
15 CENTER VILLAGE
MAP/LOT 29/1073

TRAFFIC SIGNAL CONDUIT

NONE

WATER SUPPLY ALTERATIONS

NONE

DRAINAGE DETAILS

SEE BELOW

NOTE:

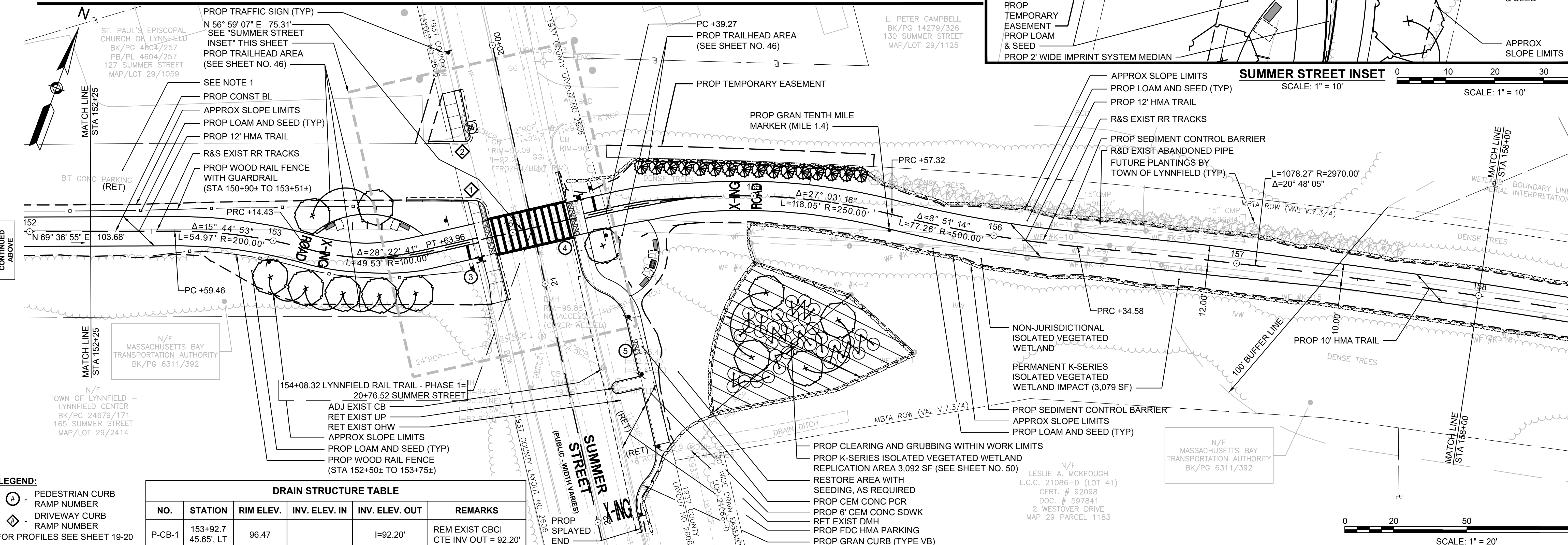
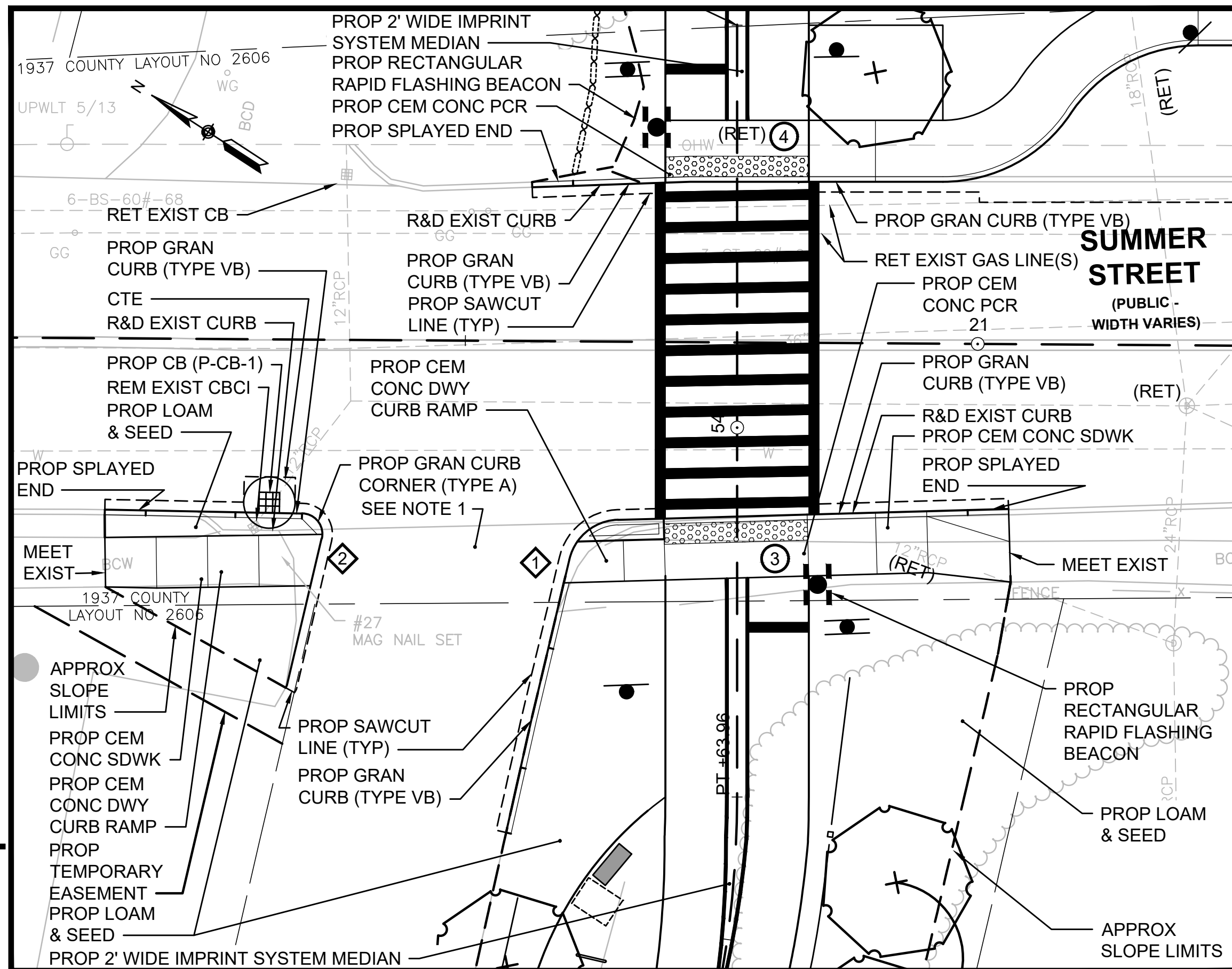
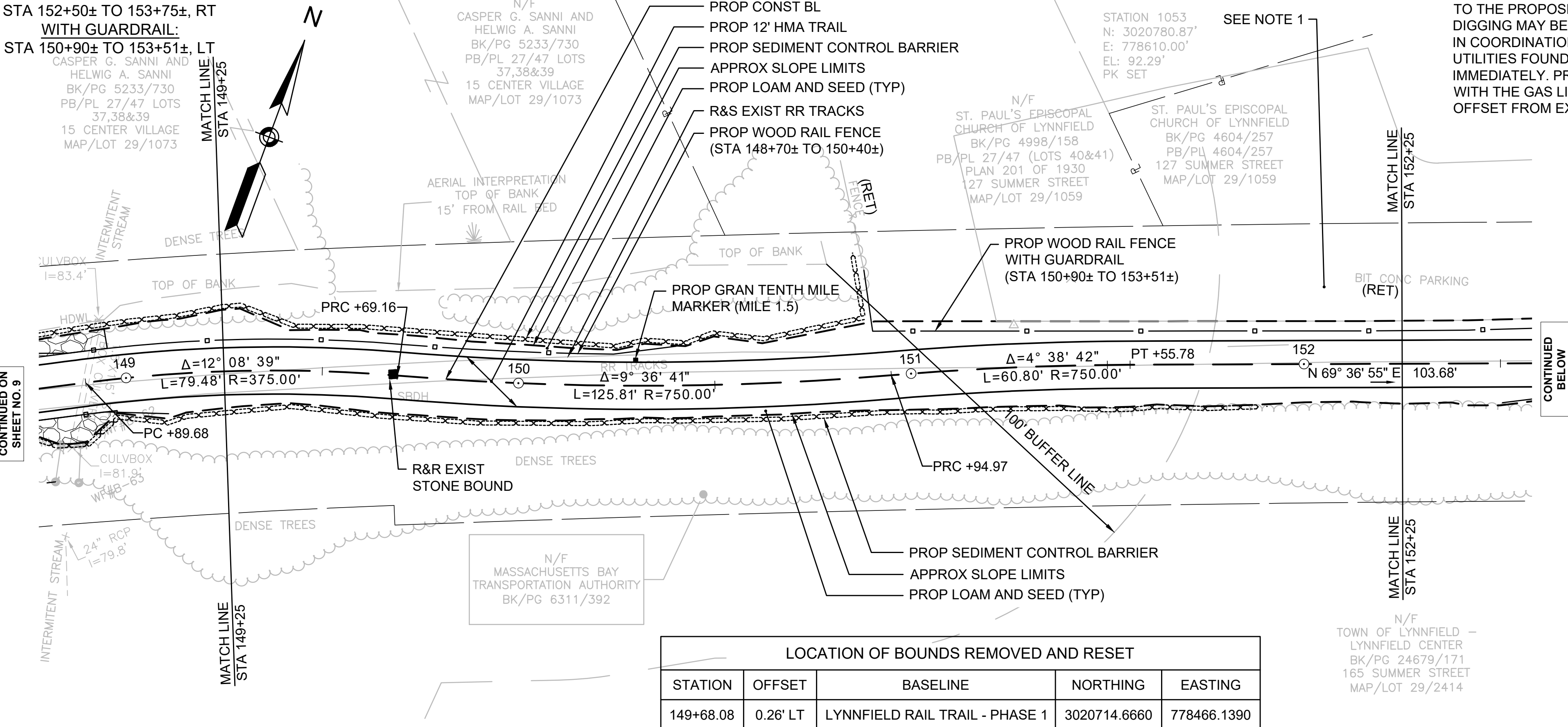
1. SEE GENERAL NOTES 19, 20, & 21 REGARDING ST. PAULS AT 127 SUMMER STREET (LYNNFIELD).

2. THE CONTRACTOR IS CAUTIONED TO THE PRESENCE OF TWO UNDERGROUND GAS LINES IN CLOSE PROXIMITY TO THE PROPOSED PEDESTRIAN SIGNAL POST AND PARKING AREA. THERE IS A HIGH LIKELIHOOD THAT HAND DIGGING MAY BE REQUIRED IN THIS LOCATION. THE CONTRACTOR SHALL PERFORM EARLY ACTION TEST PITS IN COORDINATION WITH THE GAS COMPANY TO LOCATE THE GAS LINE BEFORE COMMENCING WORK. ANY UTILITIES FOUND TO INTERFERE WITH THE PROPOSED WORK SHALL BE REPORTED TO THE ENGINEER IMMEDIATELY. PROPOSED LOCATIONS OF THE PEDESTRIAN SIGNAL POST MAY ALTER TO AVOID CONFLICTS WITH THE GAS LINE, AS REQUIRED BY THE ENGINEER. THE PEDESTRIAN SIGNAL POST SHALL BE LOCATED 3-FT OFFSET FROM EXISTING GAS LINES. 3-FEET OF COVER SHALL BE MAINTAINED OVER THE EXISTING GAS LINES.

LYNNFIELD RAIL TRAIL CONSTRUCTION

STATE	FED. AID PROJ. NO.	SHEET NO.	TOTAL SHEETS
MA	STP-0034(033)X	10	128
PROJECT FILE NO. 613163			

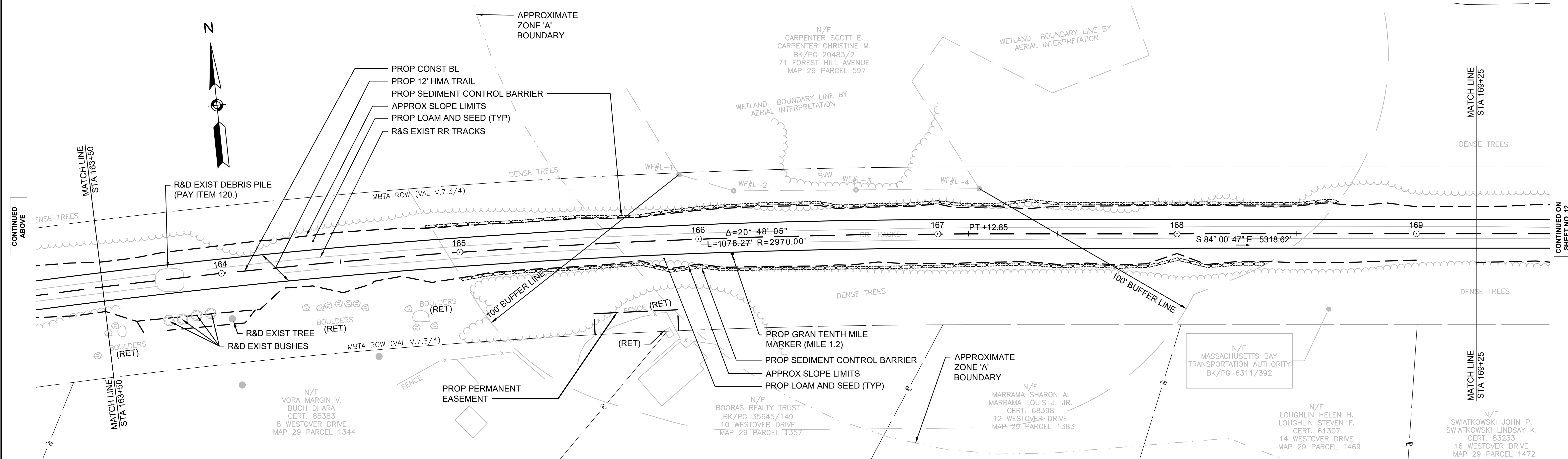
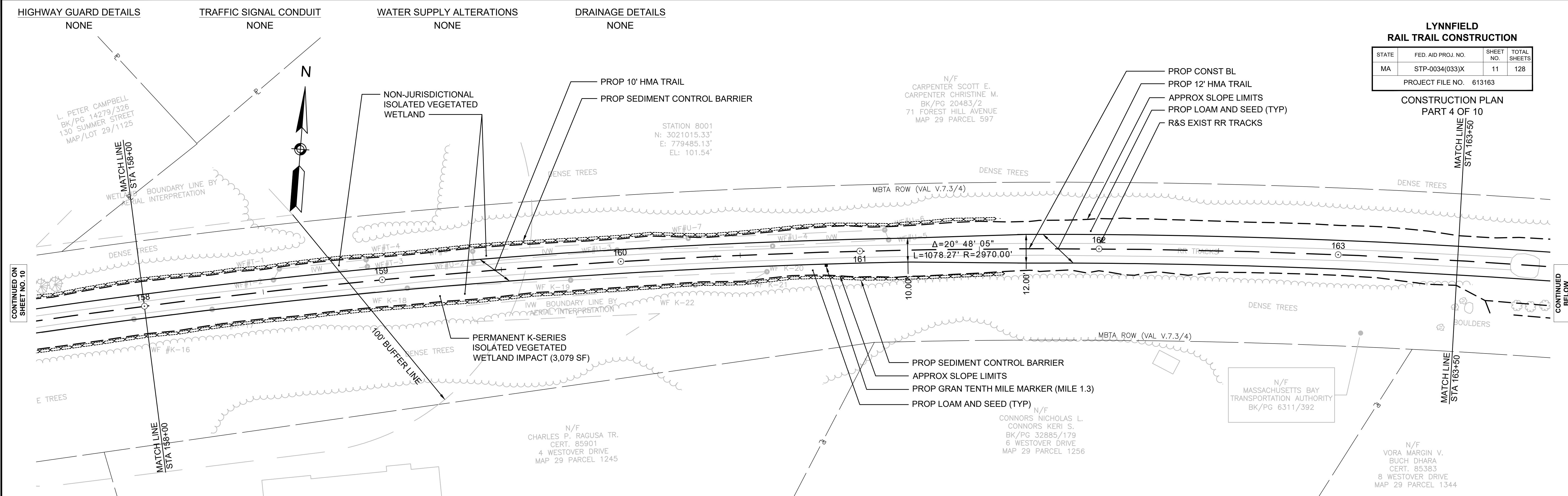
CONSTRUCTION PLAN PART 3 OF 10



LYNNFIELD RAIL TRAIL CONSTRUCTION

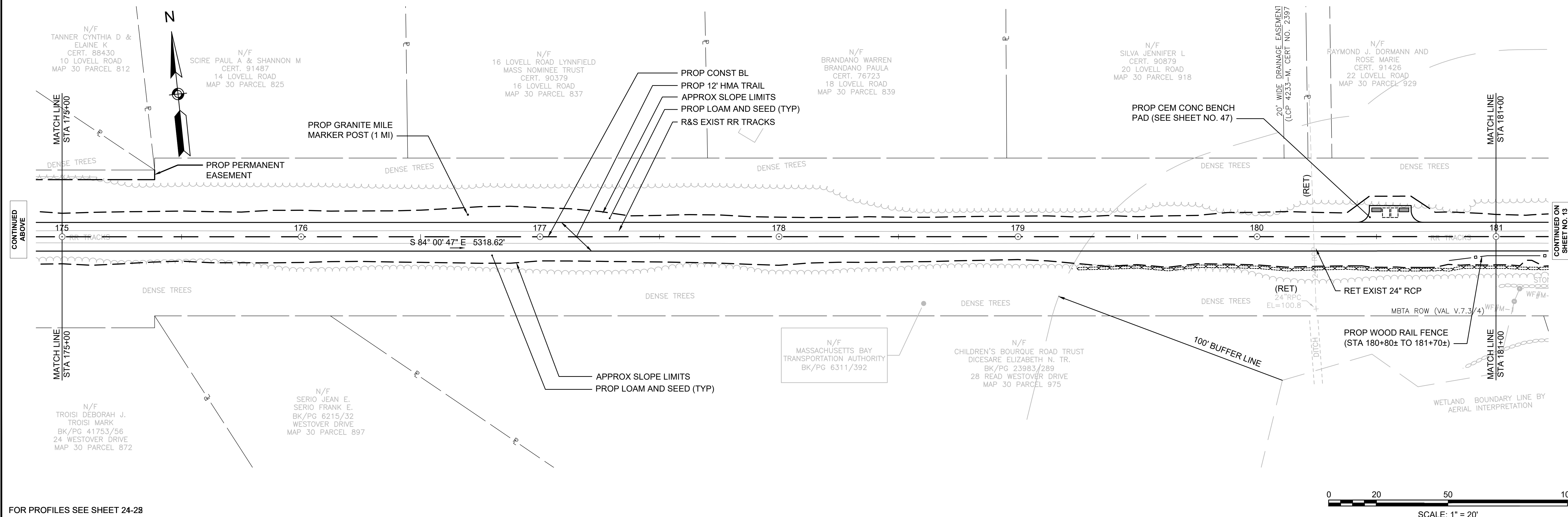
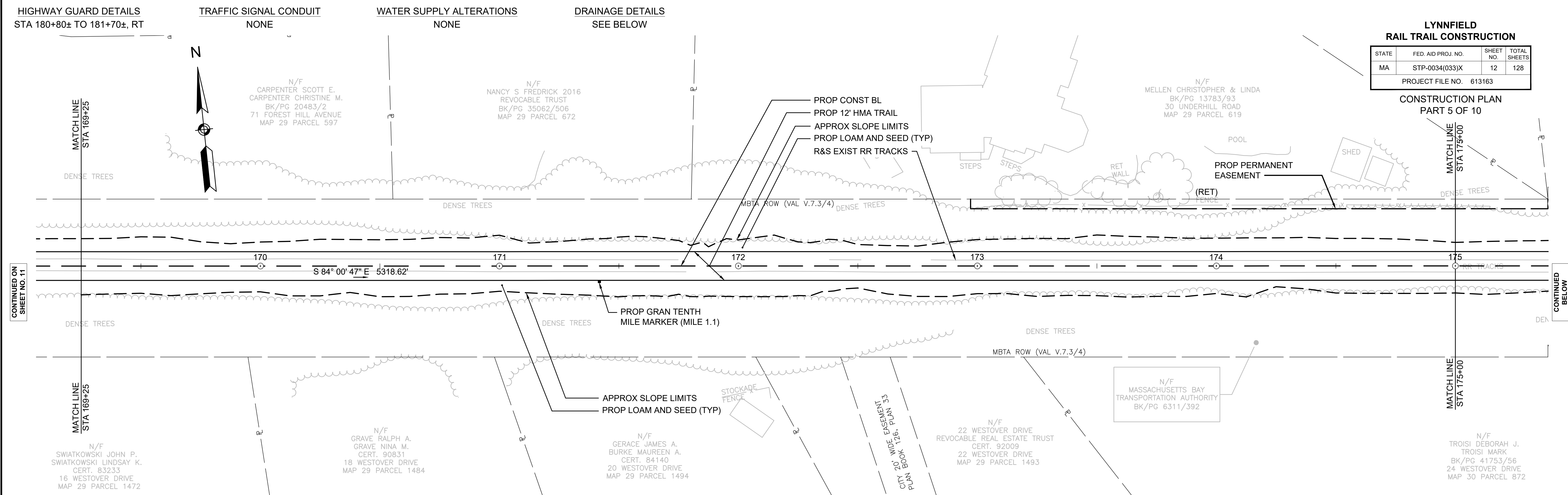
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MA	STP-0034(033)X	11	128
PROJECT FILE NO. 613163			

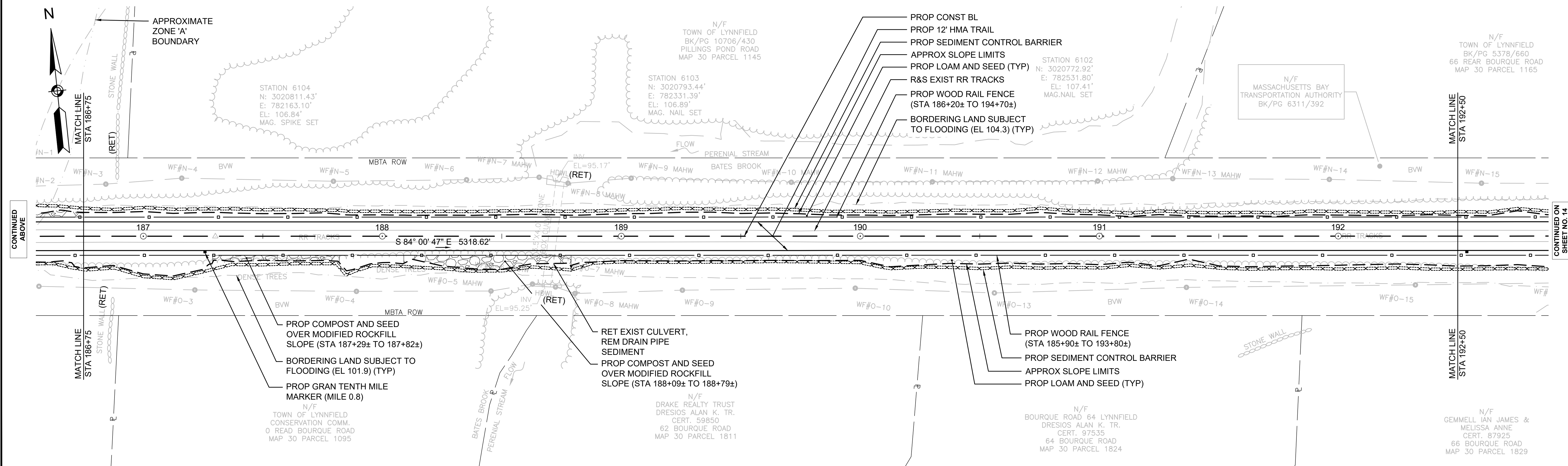
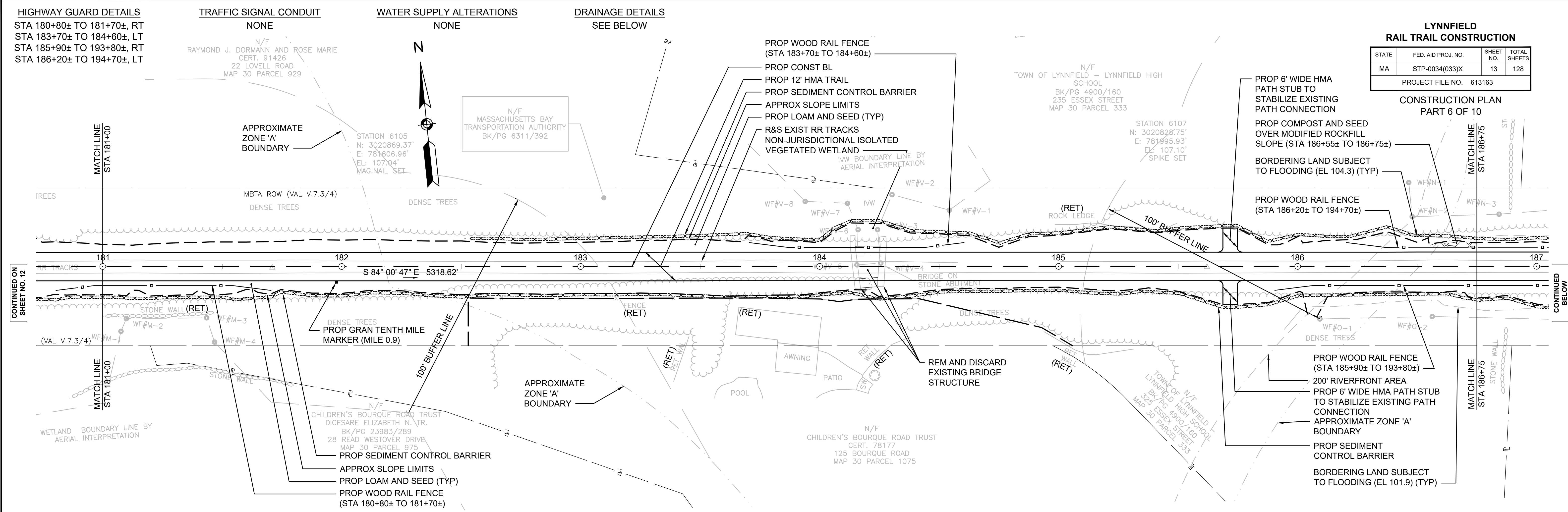
CONSTRUCTION PLAN
PART 4 OF 10



FOR PROFILES SEE SHEET 20-21



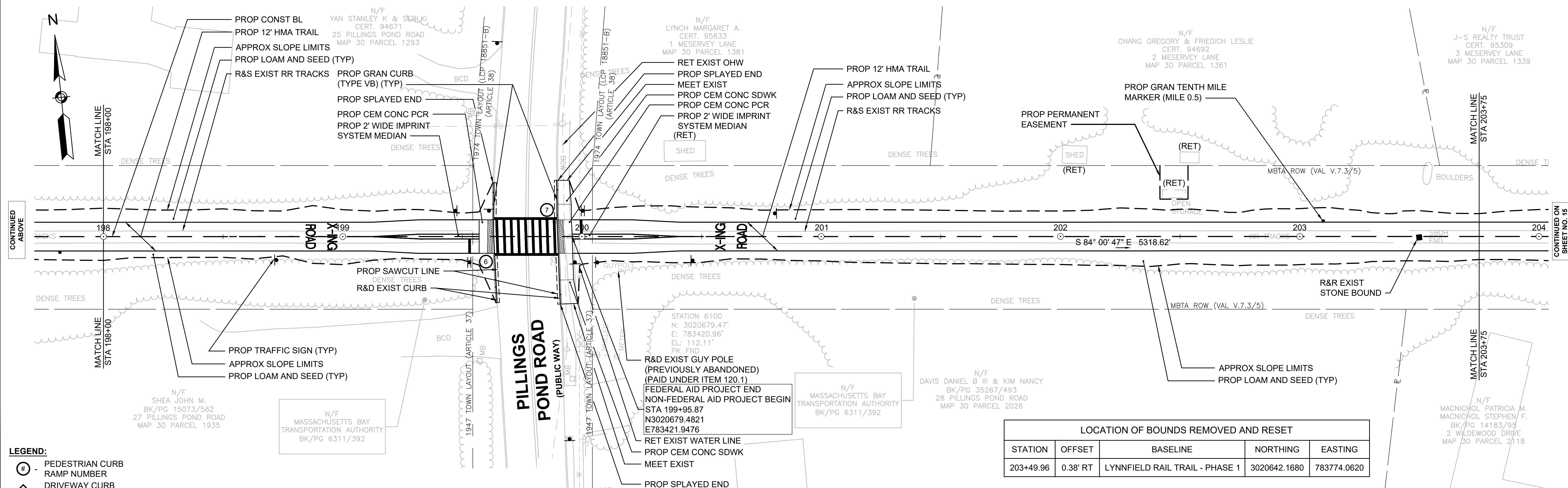
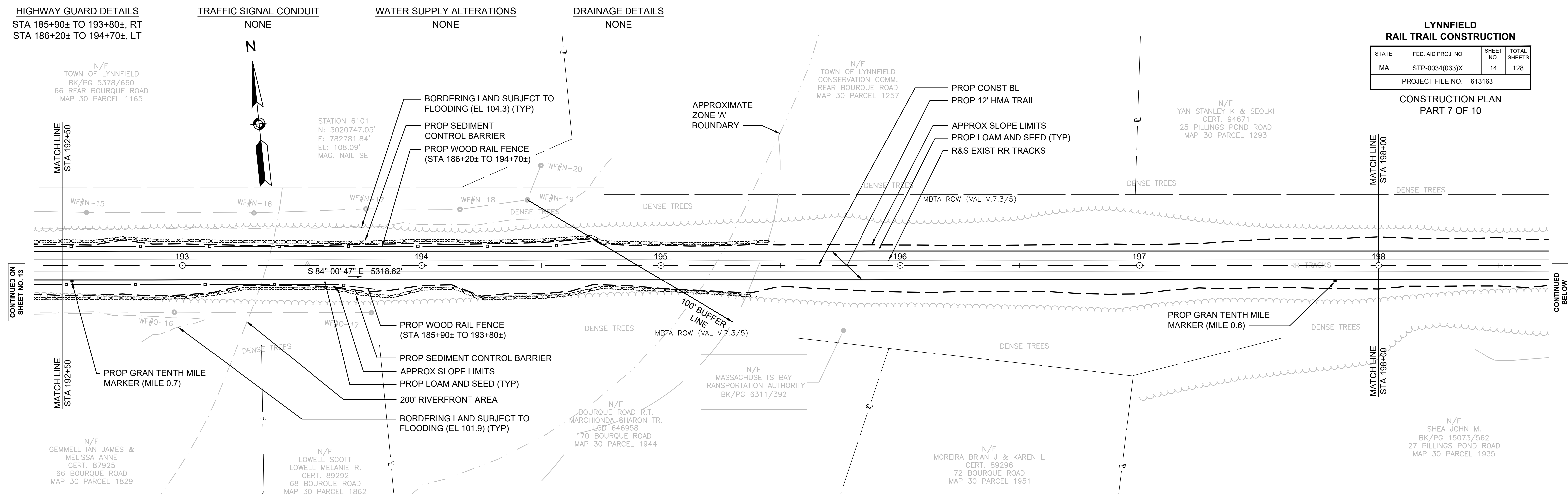




LYNNFIELD RAIL TRAIL CONSTRUCTION

STATE	FED. AID PROJ. NO.	SHEET NO.	TOTAL SHEETS
MA	STP-0034(033)X	14	128
PROJECT FILE NO. 613163			

CONSTRUCTION PLAN
PART 7 OF 10



LEGEND:

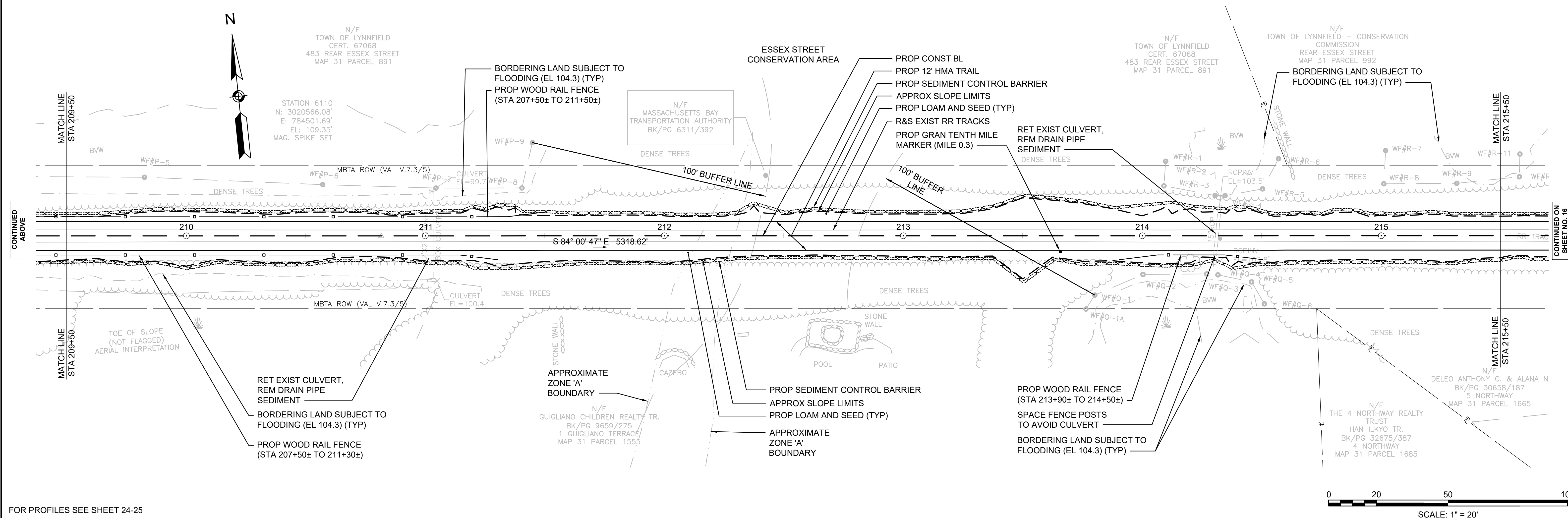
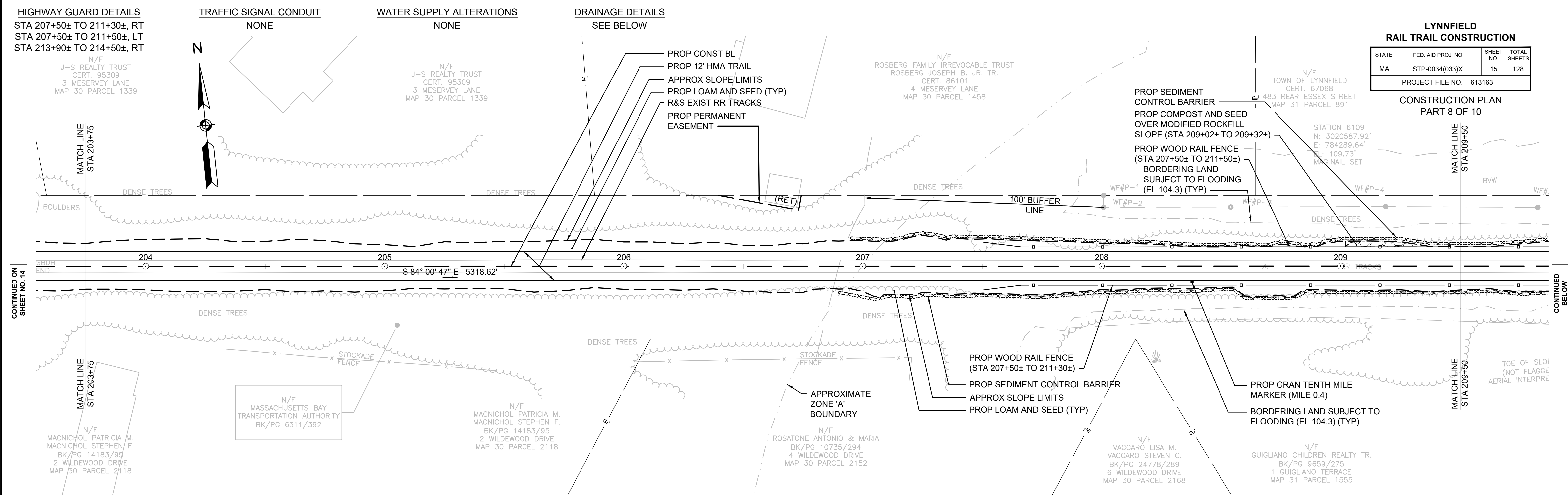
-  - PEDESTRIAN CURB RAMP NUMBER
-  - DRIVEWAY CURB RAMP NUMBER

FOR PROFILES SEE SHEET 23-24

LOCATION OF BOUNDS REMOVED AND RESET				
STATION	OFFSET	BASELINE	NORTHING	EASTING
203+49.96	0.38' RT	LYNNFIELD RAIL TRAIL - PHASE 1	3020642.1680	783774.0620

0 20 50 100

SCALE: 1" = 20'



HIGHWAY GUARD DETAILS
STA 216+90± TO 218+50±, LT
STA 219+90± TO 221+50±, LT
STA 220+20± TO 221+00±, RT

TRAFFIC SIGNAL CONDUIT
NONE

WATER SUPPLY ALTERATIONS
NONE

DRAINAGE DETAILS
NONE

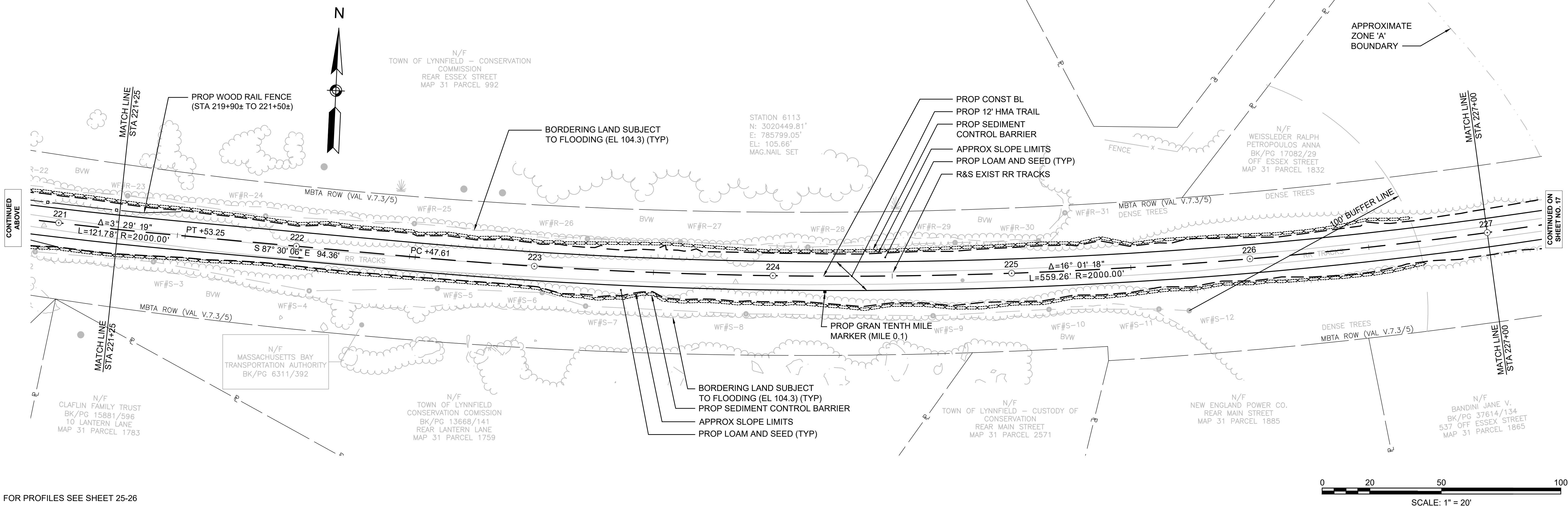
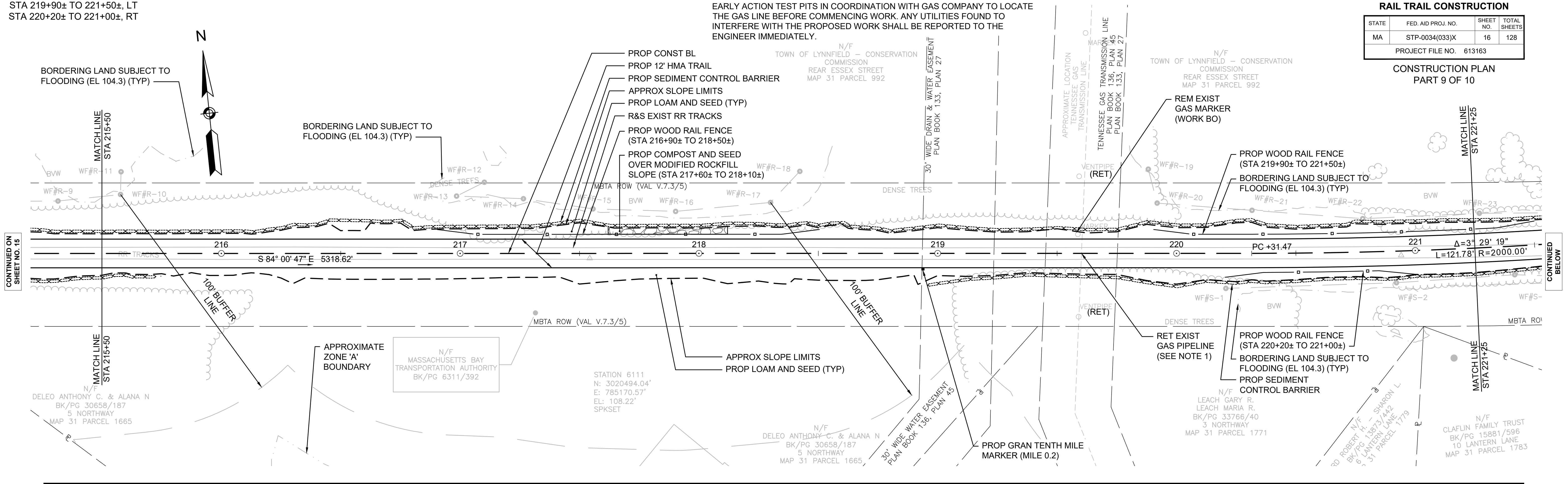
NOTE:
1. THE CONTRACTOR IS CAUTIONED TO THE PRESENCE OF THE UNDERGROUND TENNESSEE GAS LINE. THE CONTRACTOR SHALL PERFORM EARLY ACTION TEST PITS IN COORDINATION WITH GAS COMPANY TO LOCATE THE GAS LINE BEFORE COMMENCING WORK. ANY UTILITIES FOUND TO INTERFERE WITH THE PROPOSED WORK SHALL BE REPORTED TO THE ENGINEER IMMEDIATELY.

**LYNNFIELD
RAIL TRAIL CONSTRUCTION**

STATE	FED. AID PROJ. NO.	SHEET NO.	TOTAL SHEETS
MA	STP-0034(033)X	16	128

PROJECT FILE NO. 613163

**CONSTRUCTION PLAN
PART 9 OF 10**



FOR PROFILES SEE SHEET 25-26

HIGHWAY GUARD DETAILS
NONE

TRAFFIC SIGNAL CONDUIT
NONE

WATER SUPPLY ALTERATIONS
NONE

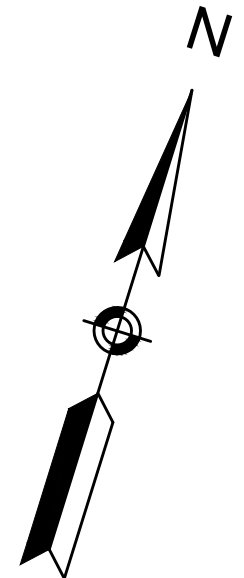
DRAINAGE DETAILS
NONE

NOTE:
1. THE CONTRACTOR HAS NO ACCESS TO MBTA PROPERTY IN THE CITY OF PEABODY
AND THERE IS NO ACCESS TO OR FROM THE PROJECT SITE FROM NICHOLS LANE.

LYNNFIELD
RAIL TRAIL CONSTRUCTION

STATE	FED. AID PROJ. NO.	SHEET NO.	TOTAL SHEETS
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PROJECT FILE NO. 613163
CONSTRUCTION PLAN
PART 10 OF 10



CITY OF PEABODY
TOWN OF LYNNFIELD

NICHOLS LANE EXTENSION
(PRIVATE)

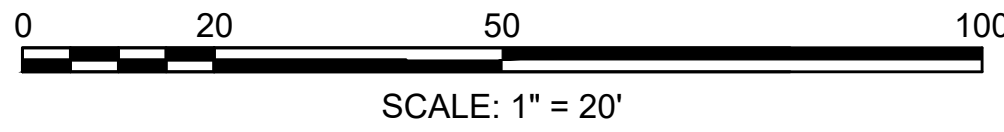
NICHOLS LANE
(TRAVELED WAY FROM EDGE OF
PAVEMENT TO EDGE OF PAVEMENT)

NICHOLS LANE
(PUBLIC - VARIABLE WIDTH)

WINONA
POND

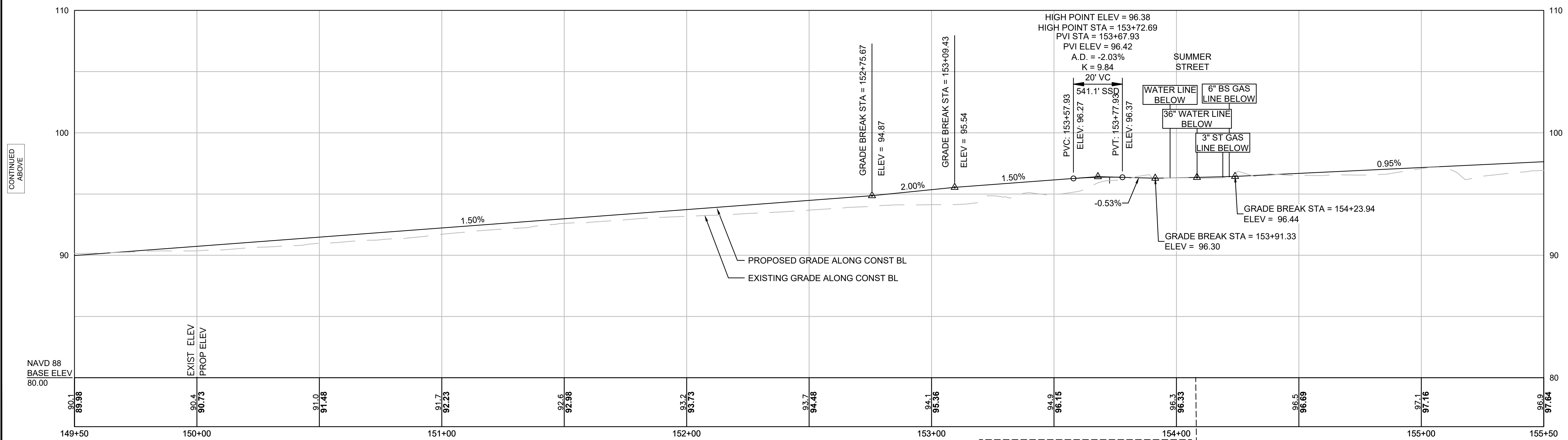
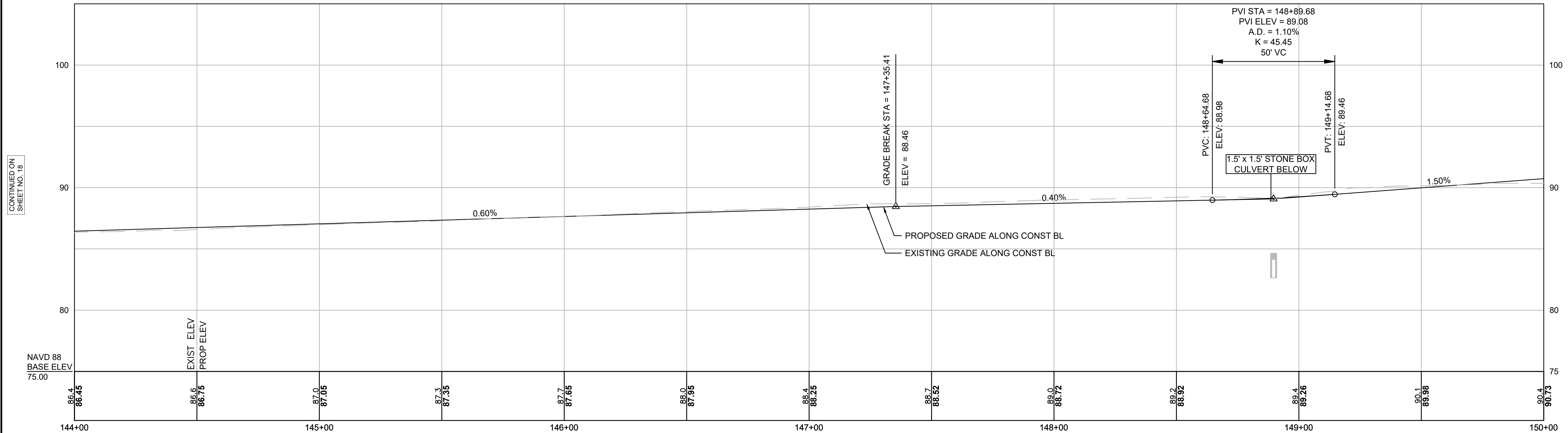
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SHEET NO. 16

- LEGEND:
- PEDESTRIAN CURB
RAMP NUMBER
 - DRIVEWAY CURB
RAMP NUMBER
- FOR PROFILES SEE SHEET 26



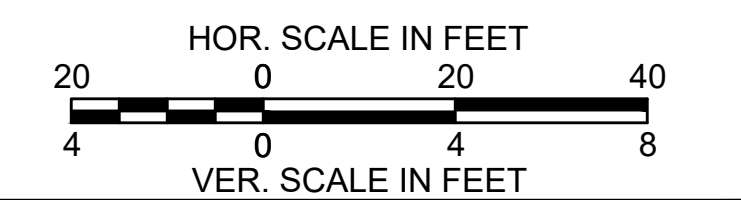
LYNNFIELD RAIL TRAIL CONSTRUCTION			
STATE	FED. AID PROJ. NO.	SHEET NO.	TOTAL SHEETS
MA	STP-0034(033)X	19	128
PROJECT FILE NO. 613163			

PROFILE
LYNNFIELD RAIL TRAIL
PART 2 OF 10



STA 154+07.87 LYNNFIELD RAIL TRAIL - PHASE 1 =
STA 20+76.52 SUMMER STREET

FOR CONSTRUCTION PLANS SEE SHEET 9-10



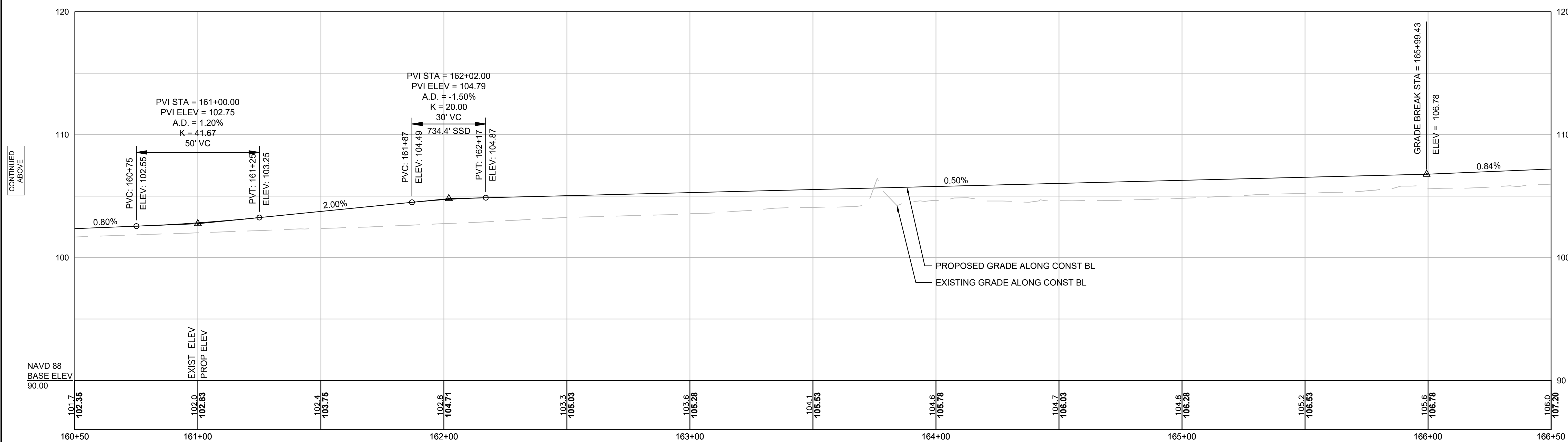
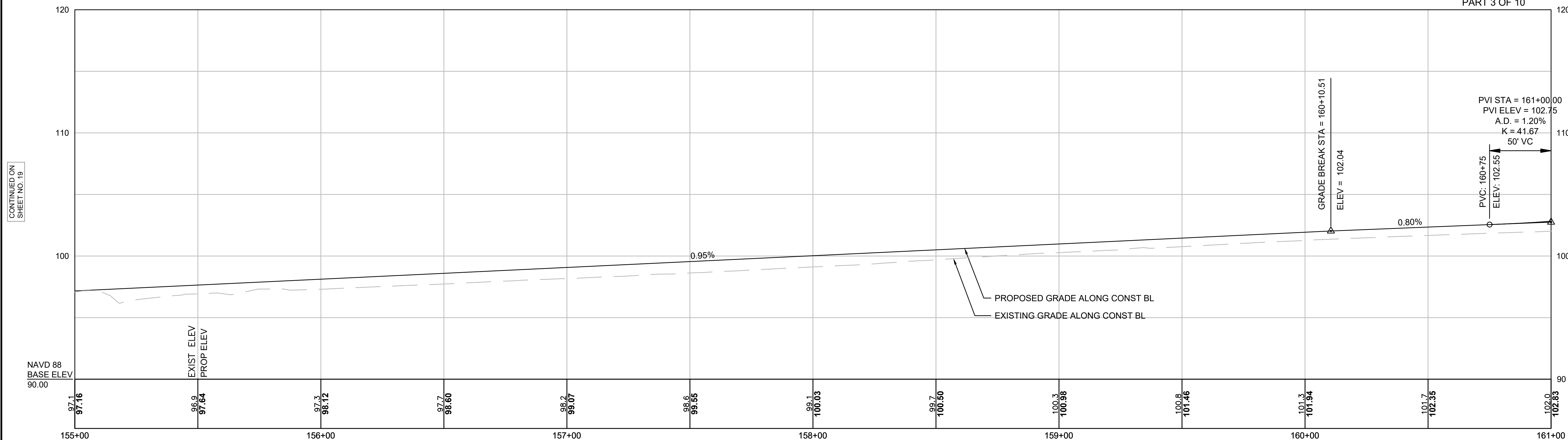
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SHEET NO. 20

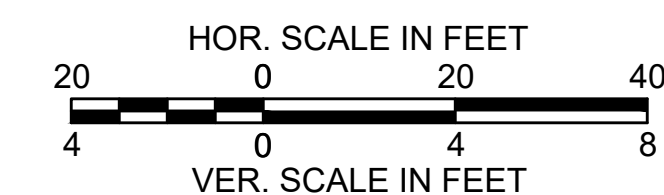
LYNNFIELD
RAIL TRAIL CONSTRUCTION

STATE	FED. AID PROJ. NO.	SHEET NO.	TOTAL SHEETS
MA	STP-0034(033)X	20	128
PROJECT FILE NO. 613163			

PROFILE
LYNNFIELD RAIL TRAIL
PART 3 OF 10



FOR CONSTRUCTION PLANS SEE SHEET 10-11



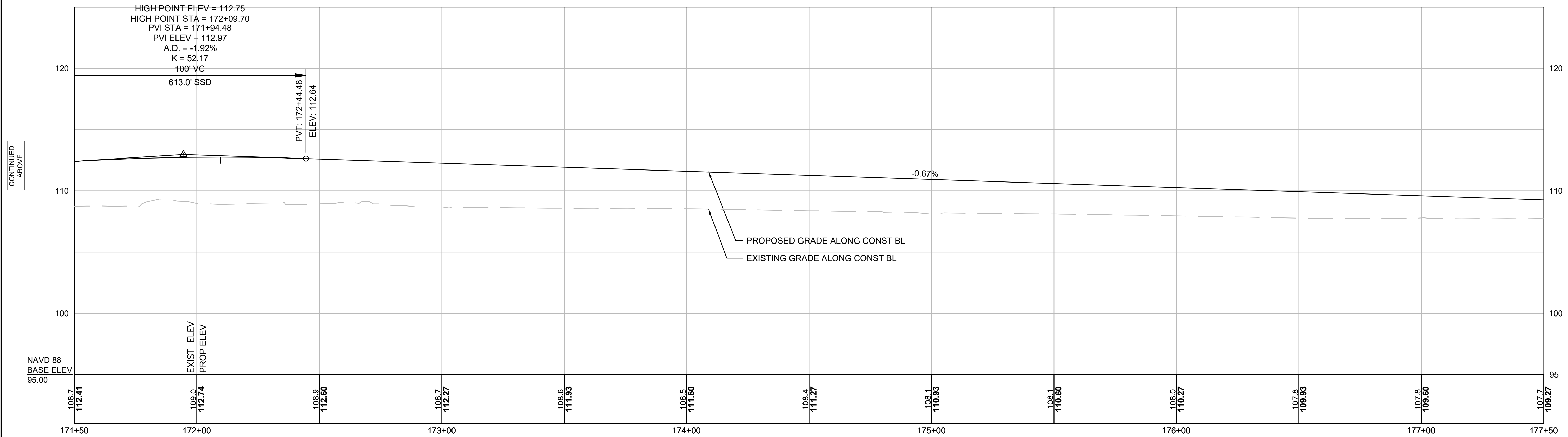
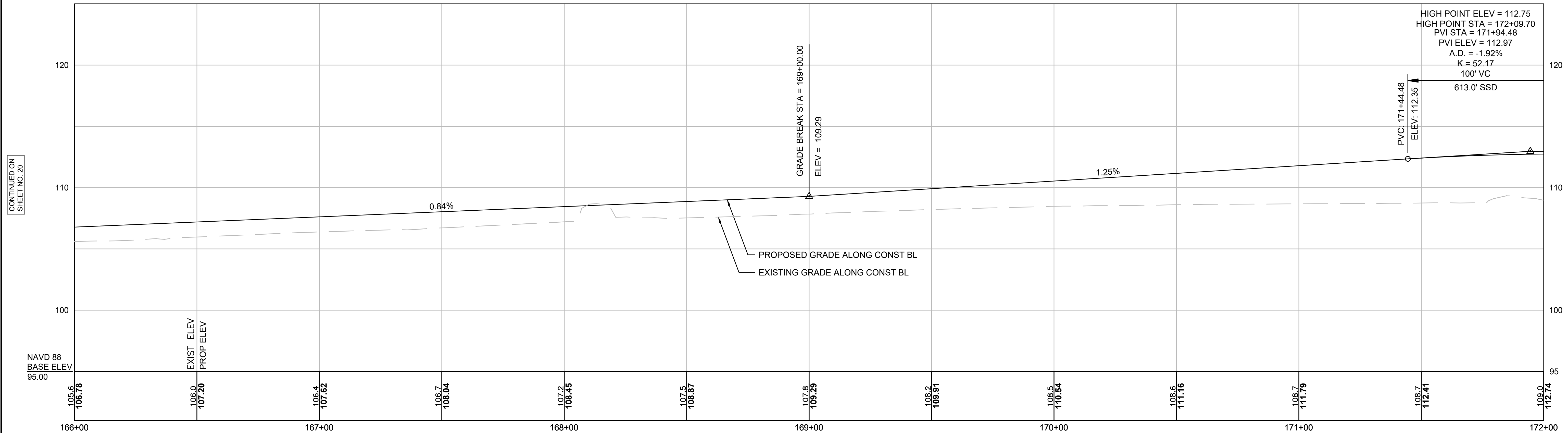
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SHEET NO. 21

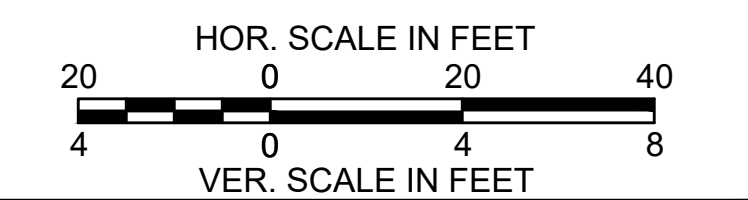
LYNNFIELD RAIL TRAIL CONSTRUCTION			
STATE	FED. AID PROJ. NO.	SHEET NO.	TOTAL SHEETS
MA	STP-0034(033)X	21	128
PROJECT FILE NO. 613163			

PROFILE
LYNNFIELD RAIL TRAIL
PART 4 OF 10

HIGH POINT ELEV = 112.75
HIGH POINT STA = 172+09.70
PVI STA = 171+94.48
PVI ELEV = 112.97
A.D. = -1.92%
K = 52.17
100' VC
613.0' SSD

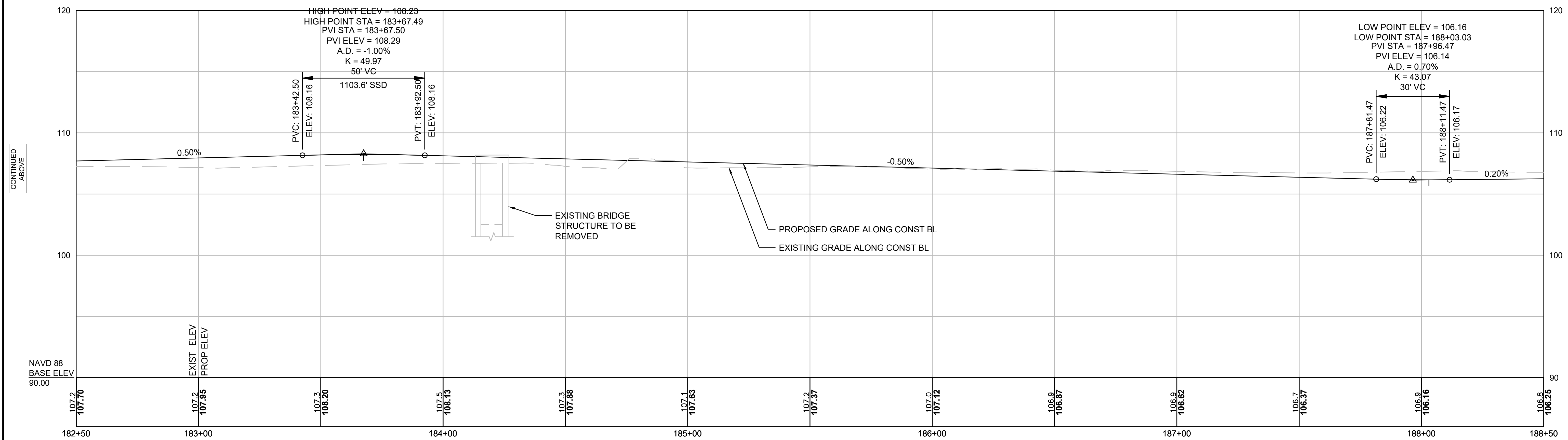
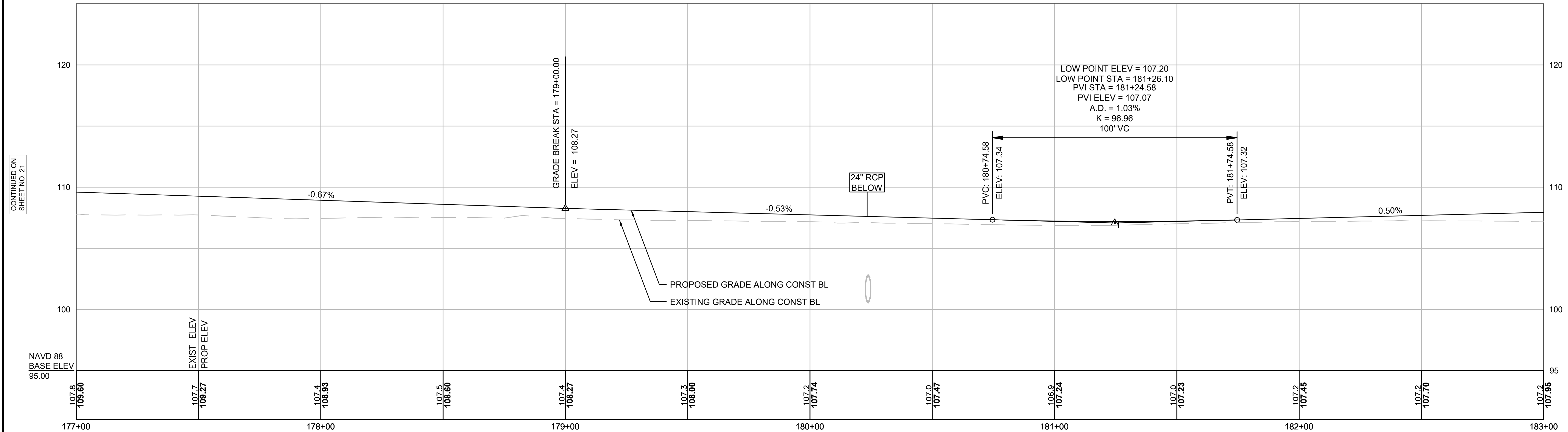


FOR CONSTRUCTION PLANS SEE SHEET 11-12

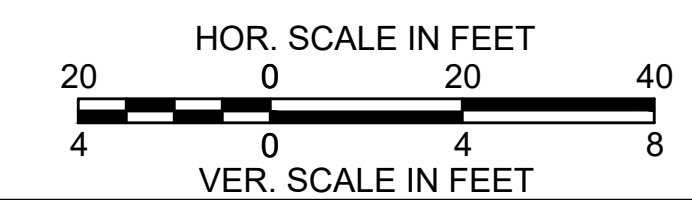


LYNNFIELD RAIL TRAIL CONSTRUCTION			
STATE	FED. AID PROJ. NO.	SHEET NO.	TOTAL SHEETS
MA	STP-0034(033)X	22	128
PROJECT FILE NO. 613163			

PROFILE
LYNNFIELD RAIL TRAIL
PART 5 OF 10



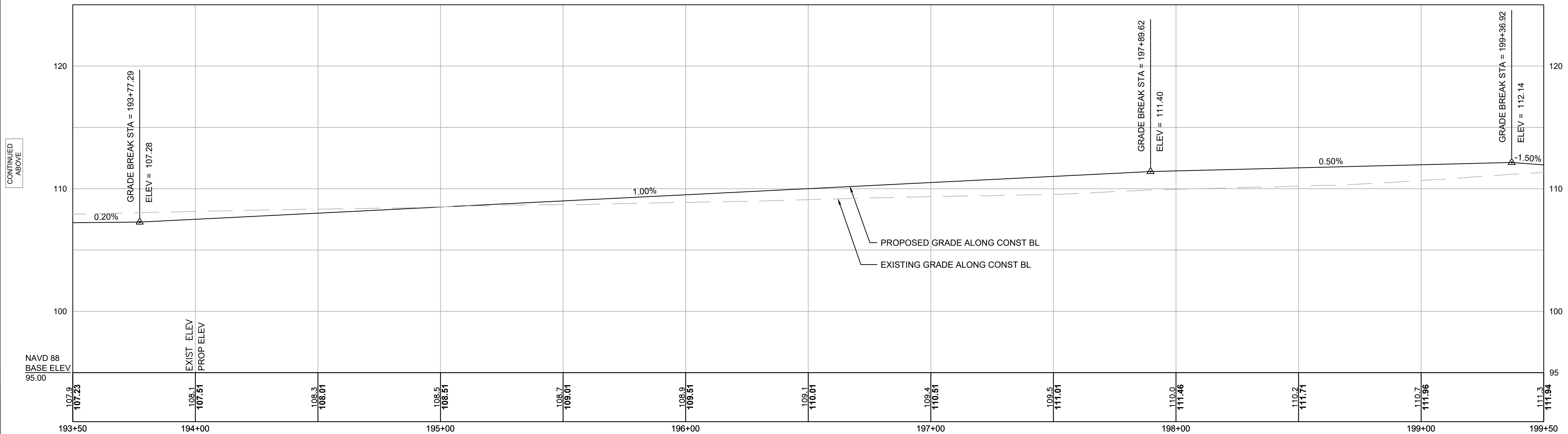
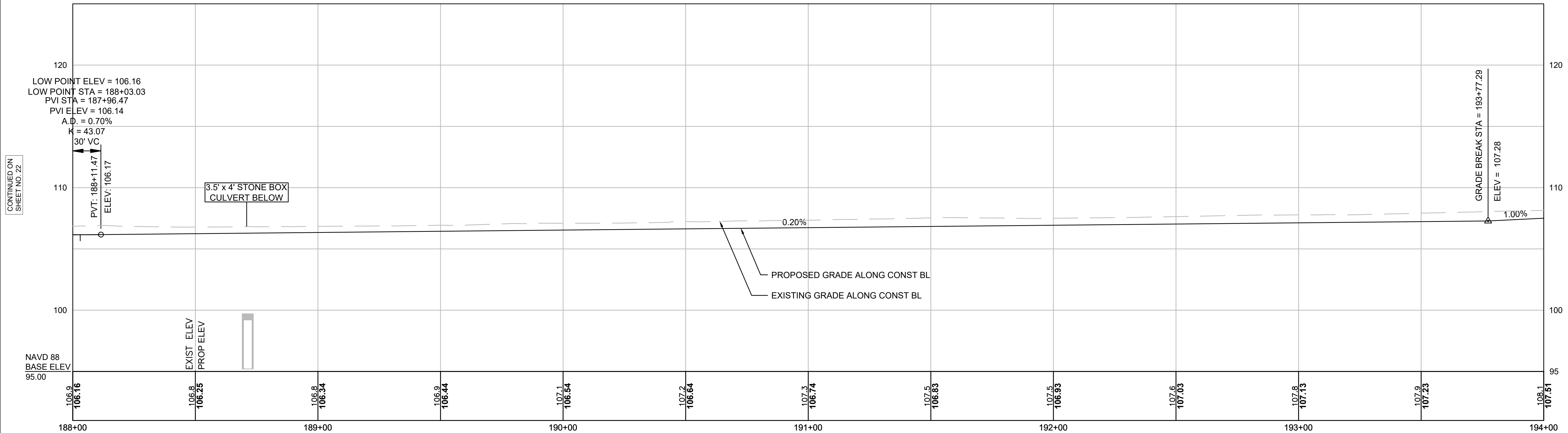
FOR CONSTRUCTION PLANS SEE SHEET 12-13



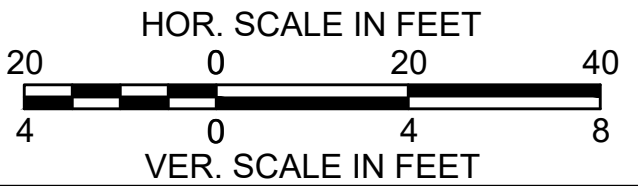
LYNNFIELD
RAIL TRAIL CONSTRUCTION

STATE	FED. AID PROJ. NO.	SHEET NO.	TOTAL SHEETS
MA	STP-0034(033)X	23	128
PROJECT FILE NO.			613163

PROFILE
LYNNFIELD RAIL TRAIL
PART 6 OF 10



FOR CONSTRUCTION PLANS SEE SHEET 13-14

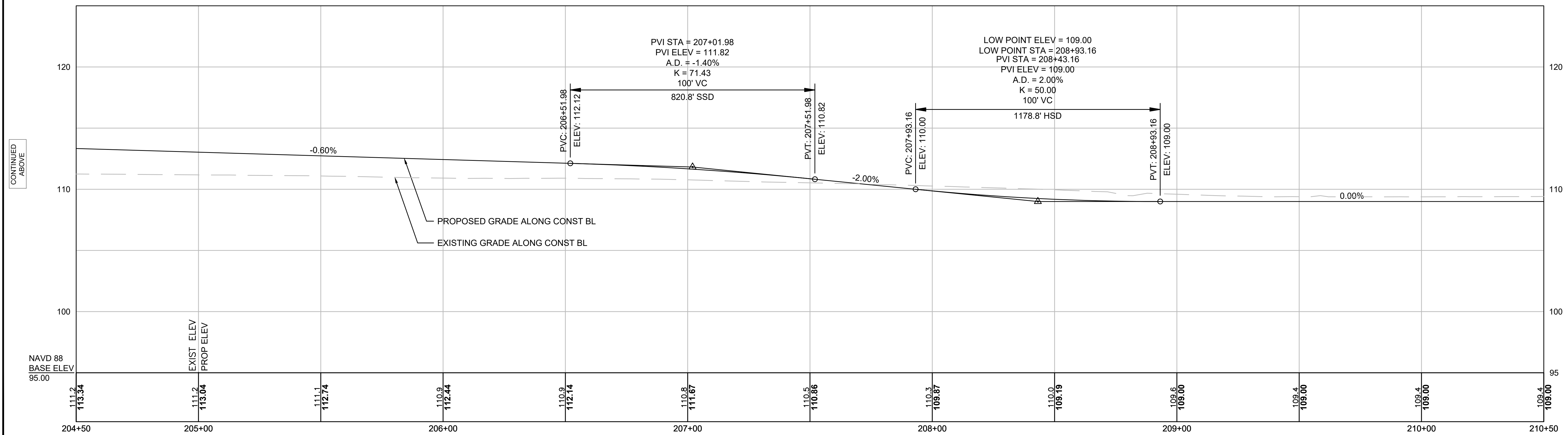
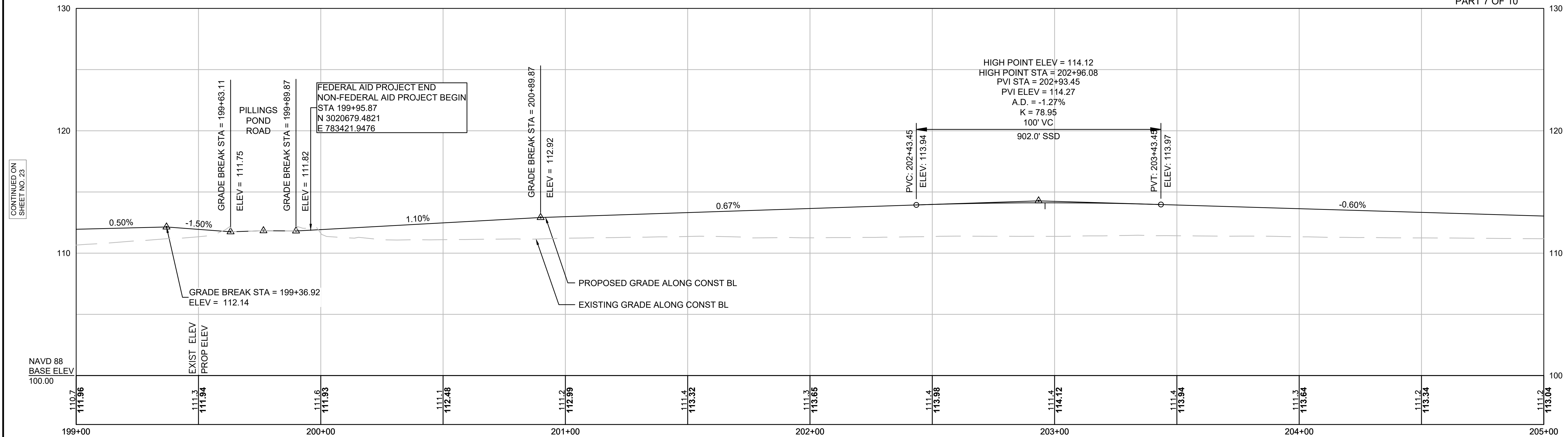


CONTINUED
BELOW

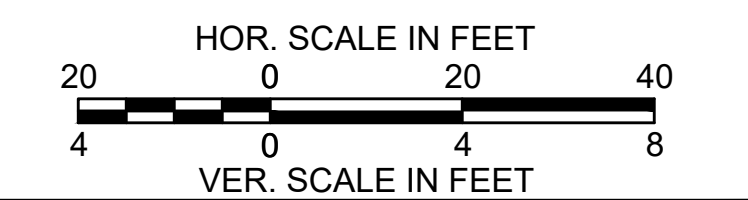
CONTINUED ON
SHEET NO. 24

LYNNFIELD RAIL TRAIL CONSTRUCTION			
STATE	FED. AID PROJ. NO.	SHEET NO.	TOTAL SHEETS
MA	STP-0034(033)X	24	128
PROJECT FILE NO. 613163			

PROFILE
LYNNFIELD RAIL TRAIL
PART 7 OF 10



FOR CONSTRUCTION PLANS SEE SHEET 14-15

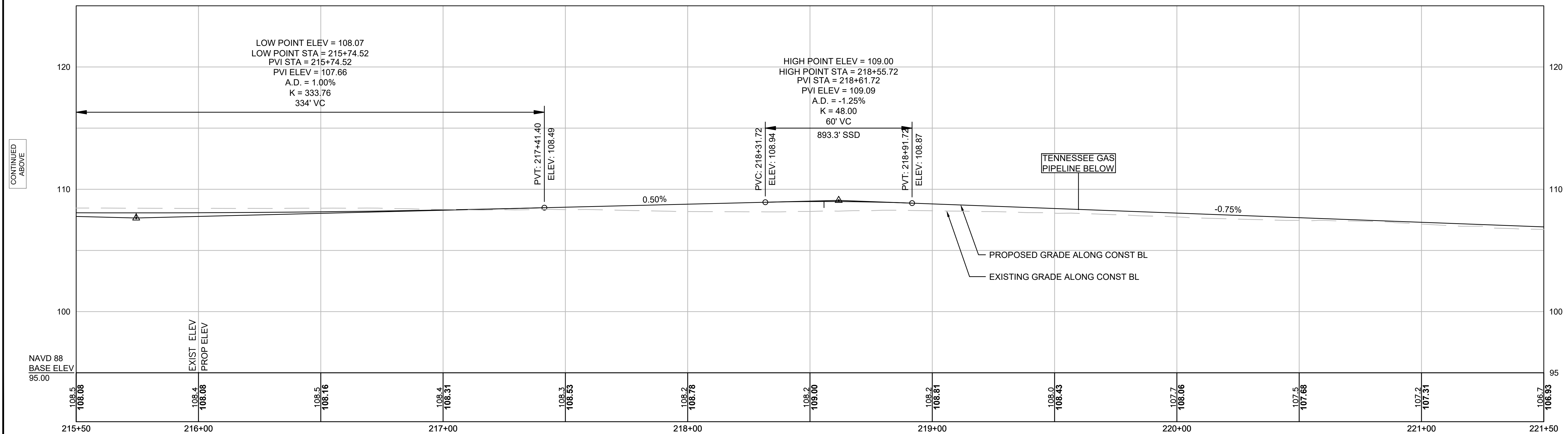
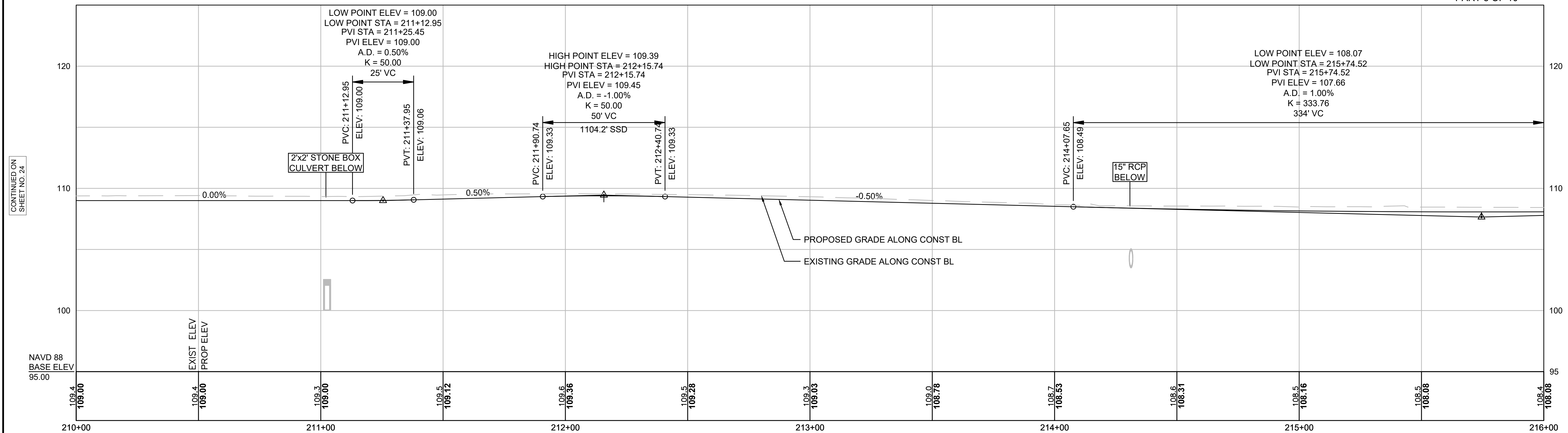


CONTINUED
BELOW

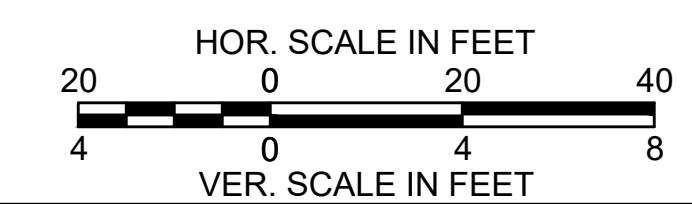
CONTINUED ON
SHEET NO. 25

LYNNFIELD RAIL TRAIL CONSTRUCTION			
STATE	FED. AID PROJ. NO.	SHEET NO.	TOTAL SHEETS
MA	STP-0034(033)X	25	128
PROJECT FILE NO. 613163			

PROFILE
LYNNFIELD RAIL TRAIL
PART 8 OF 10

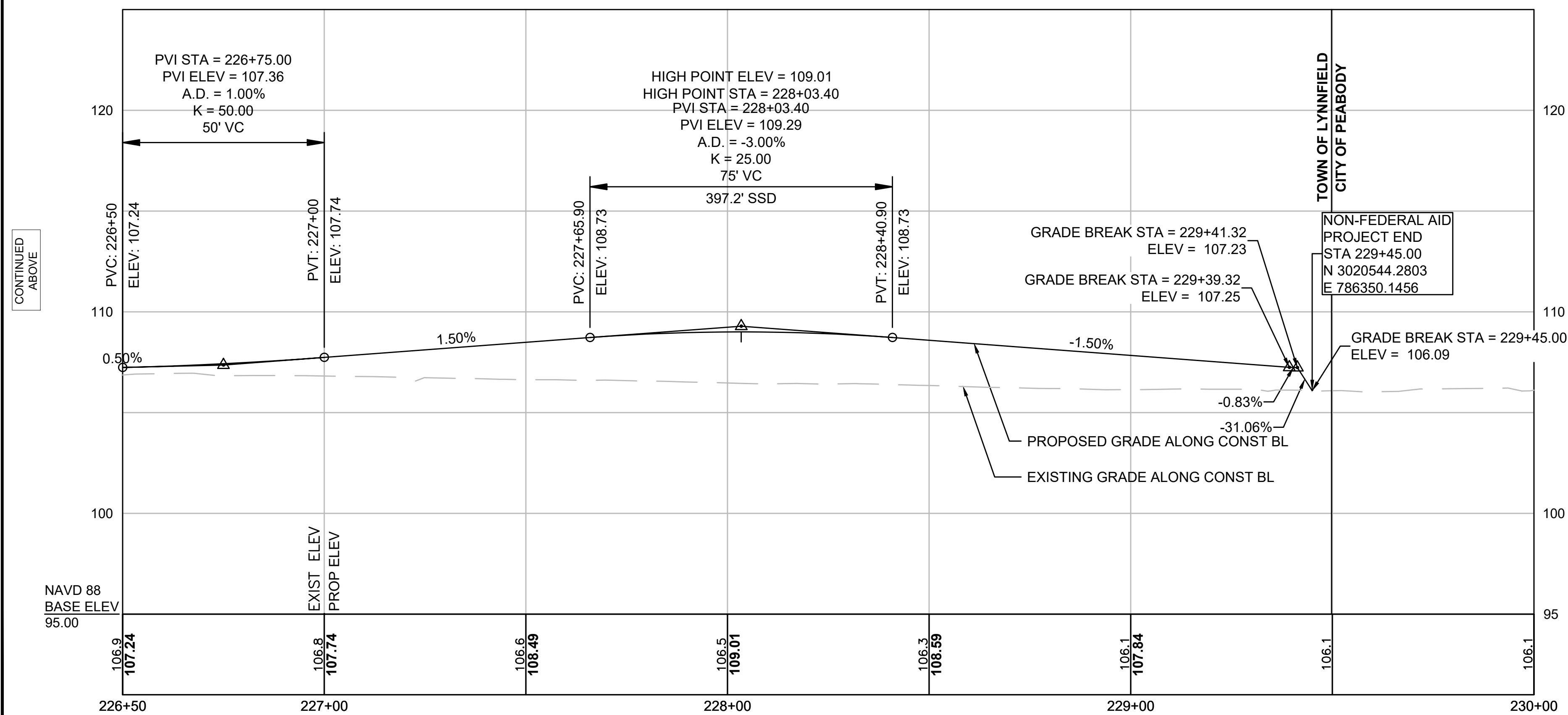
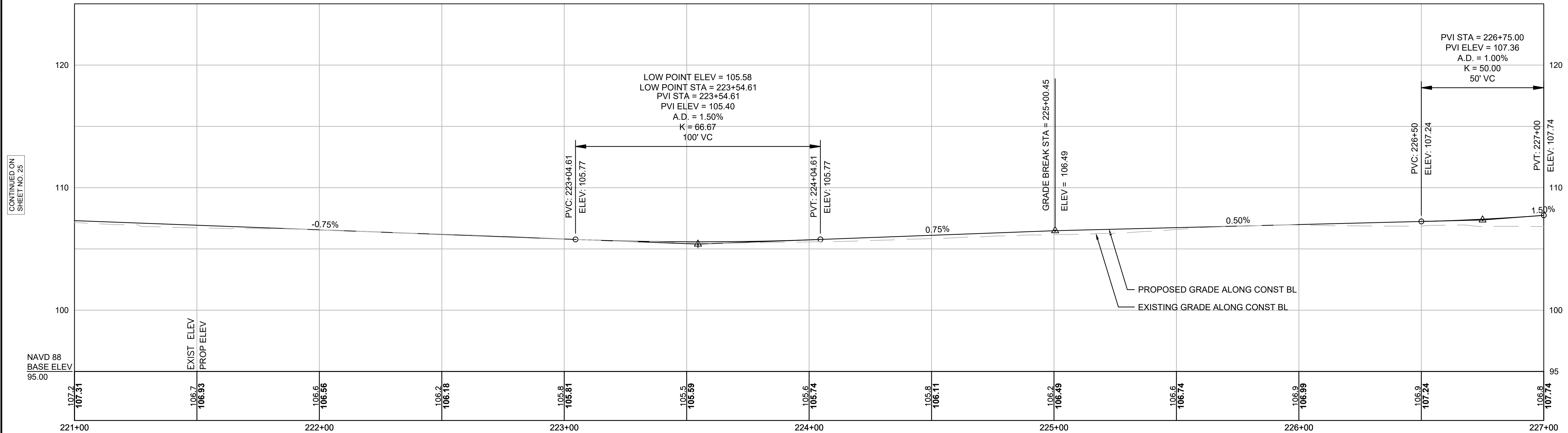


FOR CONSTRUCTION PLANS SEE SHEET 15-16

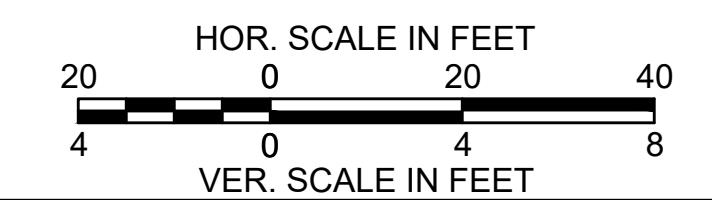


LYNNFIELD RAIL TRAIL CONSTRUCTION			
STATE	FED. AID PROJ. NO.	SHEET NO.	TOTAL SHEETS
MA	STP-0034(033)X	26	128
PROJECT FILE NO. 613163			

PROFILE
LYNNFIELD RAIL TRAIL
PART 9 OF 10



FOR CONSTRUCTION PLANS SEE SHEET 16-17

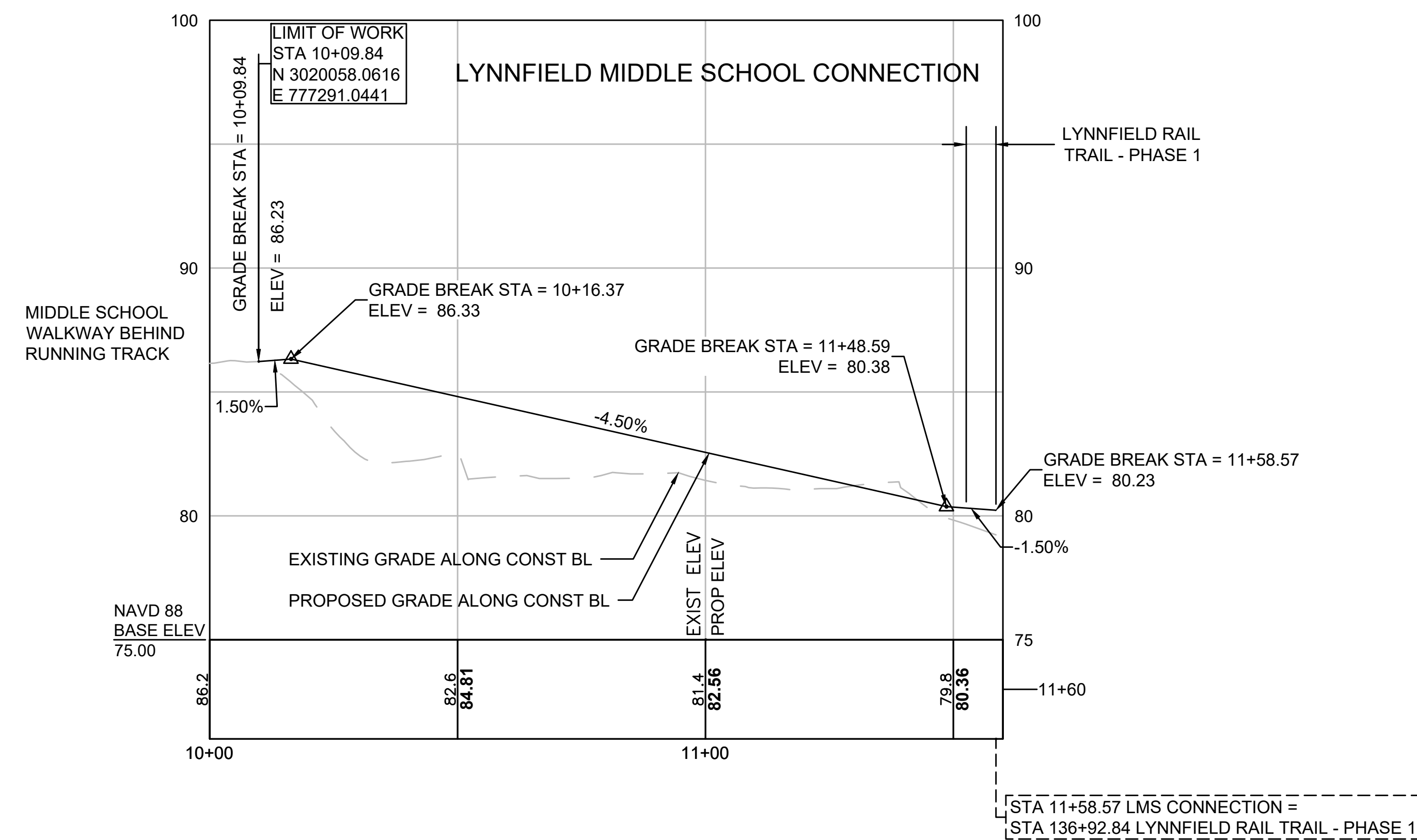


CONTINUED
BELOW

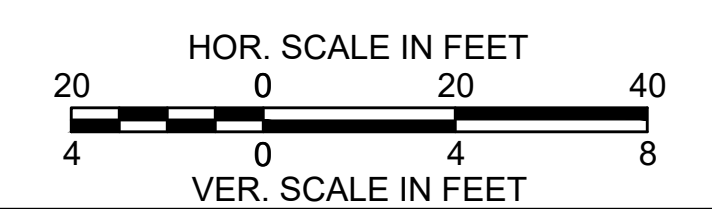
LYNNFIELD
RAIL TRAIL CONSTRUCTION

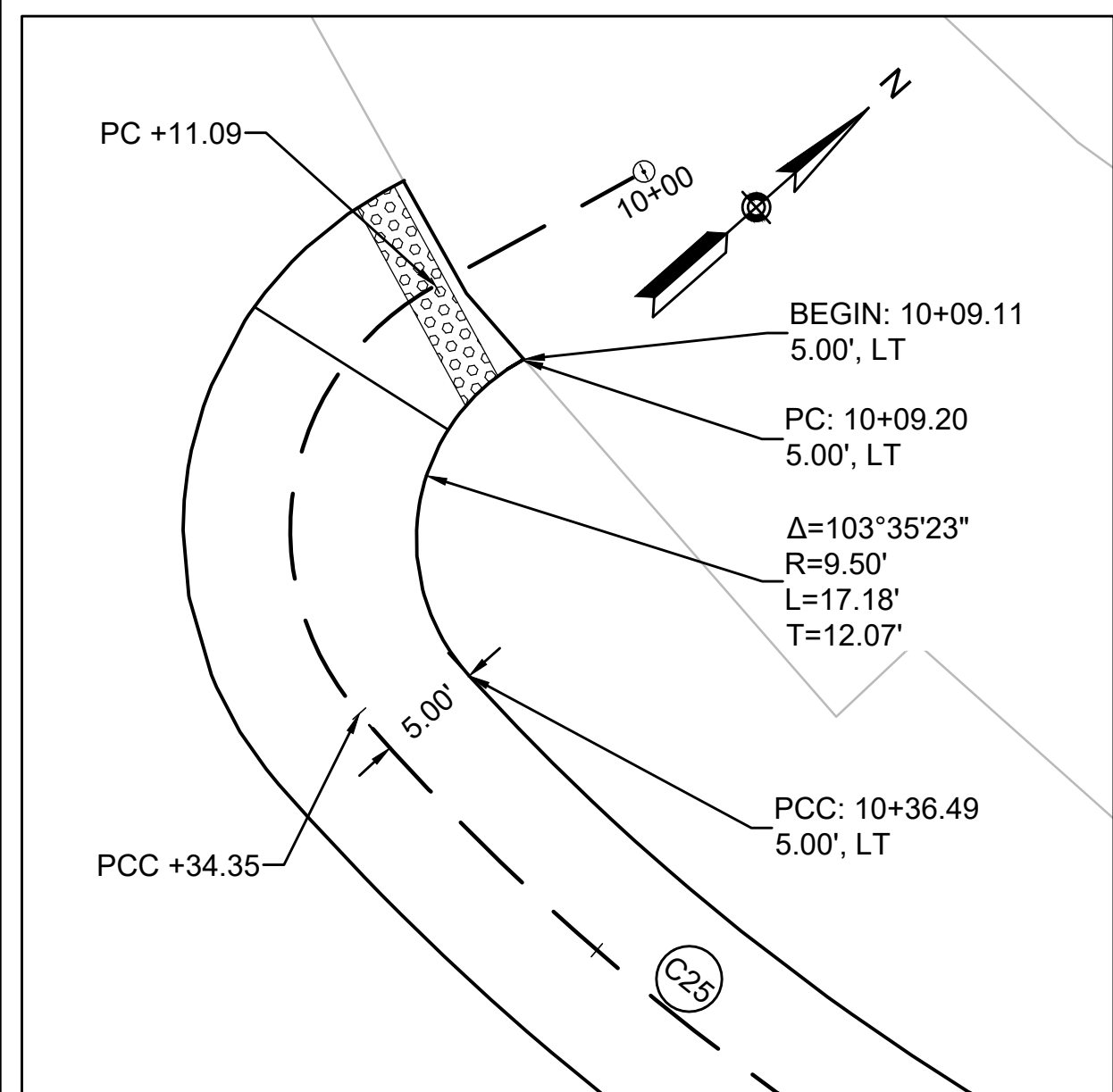
STATE	FED. AID PROJ. NO.	SHEET NO.	TOTAL SHEETS
MA	STP-0034(033)X	27	128
PROJECT FILE NO. 613163			

PROFILE
LYNNFIELD MIDDLE SCHOOL CONNECTION
PART 10 OF 10

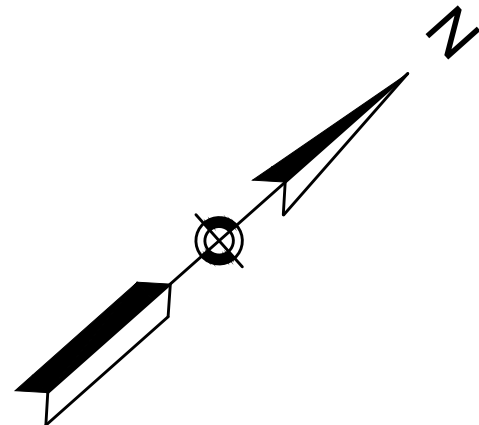


FOR CONSTRUCTION PLANS SEE SHEET 8





TIE INSET 'A'
NOT TO SCALE



STATION 2100
N: 3019987.44'
E: 776992.48'
EL: 78.58'
MAG. NAIL SET

N 3020020
E 777000

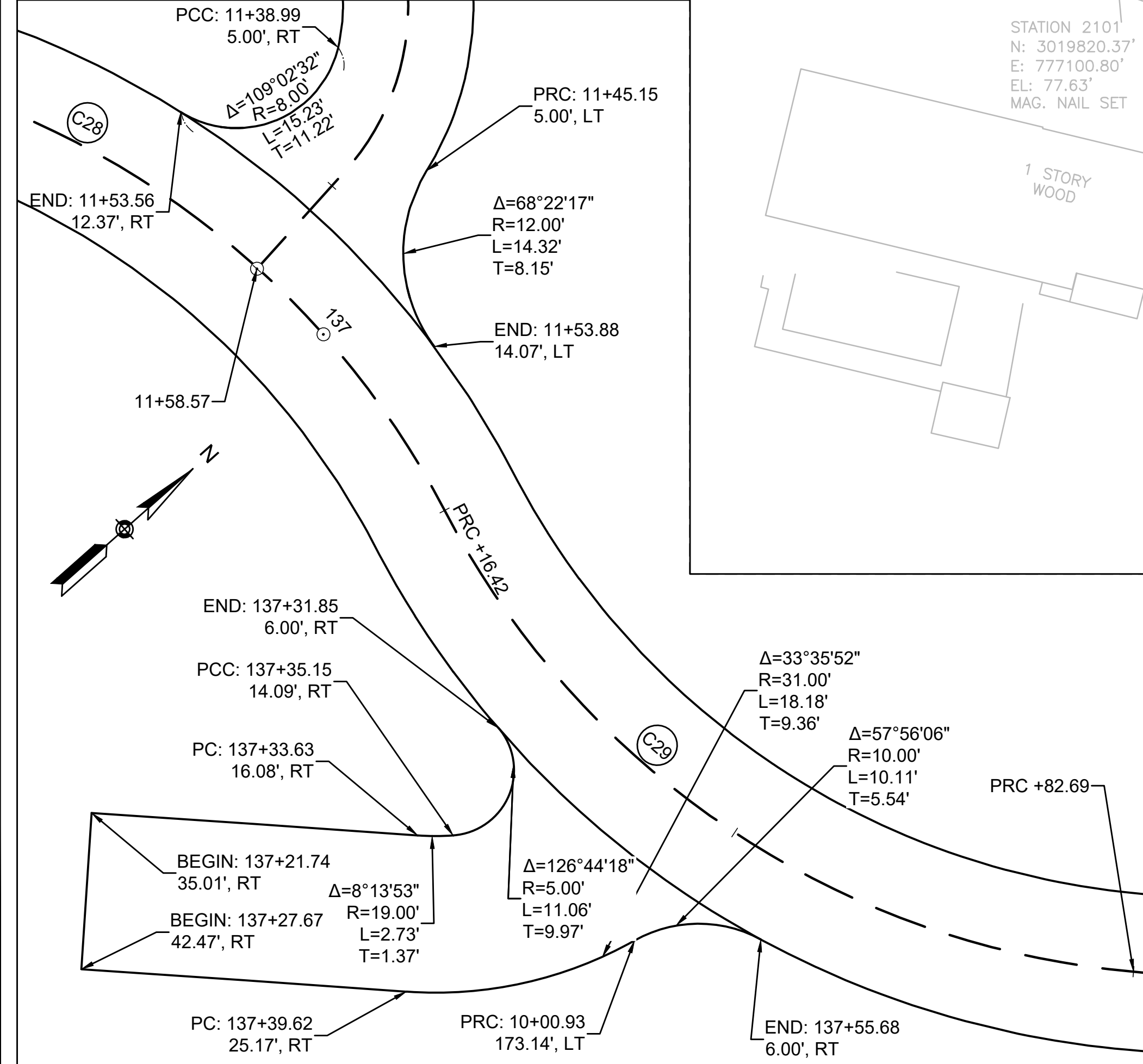
SURVEY TRAVERSE LINE

FEDERAL AID
PROJECT BEGIN
STA 133+57.92
N3019857.0969
E777133.1521

[" STA 133+10.65
IN 3019828.4420
E 777095.5661

FORD AVENUE
(PUBLIC WAY)

TIE INSET 'B'
NOT TO SCALE



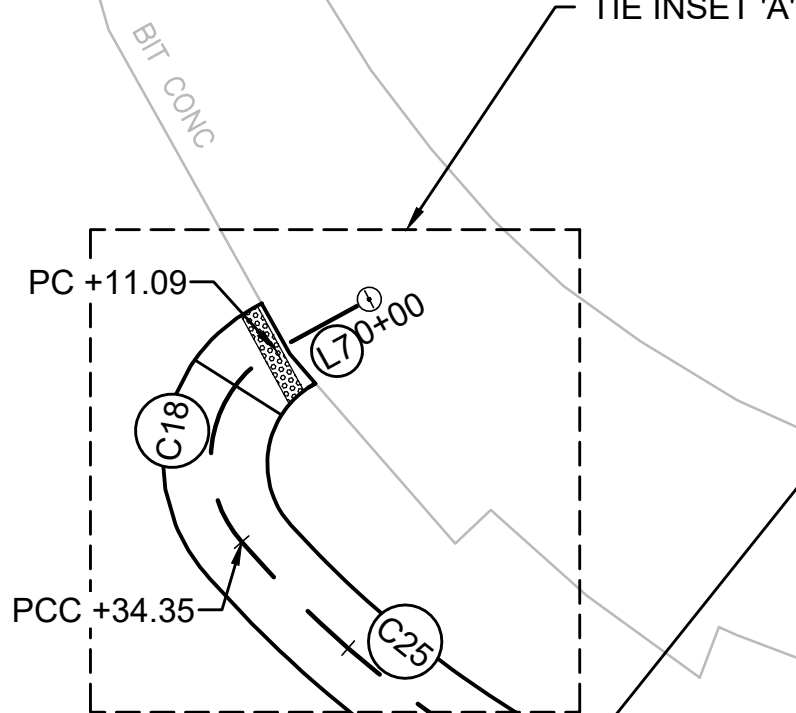
Δ=33°35'52"
R=31.00'
L=18.18'
T=9.36'

Δ=57°56'06"
R=10.00'
L=10.11'
T=5.54'

Δ=126°44'18"
R=5.00'
L=11.06'
T=9.97'

MIDDLE SCHOOL CONNECTION CONSTRUCTION BASELINE DATA								
NUMBER	STARTING STATION	NORTHING	EASTING	CURVE DATA	LINE DATA	ENDING STATION	NORTHING	EASTING
L7	10+00.00	3020067.6576	777293.2353		S12°51'46"W 11.09'	10+11.09	3020056.8491	777290.7672
C18	10+11.09	3020056.8491	777290.7672	R=13.00' L=23.26' Δ=102°31'17" T=16.20'		10+34.35	3020040.9553	777303.3635
C25	10+34.35	3020040.9553	777303.3635	R=115.00' L=74.33' Δ=37°02'05" T=38.52'		11+08.68	3020063.7411	777372.7651
C19	11+08.68	3020063.7411	777372.7651	R=19.00' L=39.91' Δ=120°20'12" T=33.13'		11+48.59	3020050.6097	777403.0014
L9	11+48.59	3020050.6097	777403.0014		S6°21'24"E 9.99'	11+58.57	3020040.6835	777404.1072

LYNNFIELD RAIL TRAIL CONSTRUCTION BASELINE DATA MIDDLE SCHOOL CONNECTION CONSTRUCTION BASELINE DATA								
NUMBER	STARTING STATION	NORTHING	EASTING	CURVE DATA	LINE DATA	ENDING STATION	NORTHING	EASTING
C25	10+34.35	3020040.9553	777303.3635	R=115.00' L=74.33' Δ=37°02'05" T=38.52'		11+08.68	3020063.7411	777372.7651
L1	132+88.59	3019815.0632	777078.0175		N52°40'43"E 151.19'	134+39.78	3019906.7284	777198.2525
C1	134+39.78	3019906.7284	777198.2525	R=160.00' L=29.55' Δ=10°34'56" T=14.82'		134+69.33	3019922.3789	777223.2692
C2	134+69.33	3019922.3789	777223.2692	R=80.00' L=43.97' Δ=31°29'34" T=22.56'		135+13.30	3019951.7055	777255.2898
C26	135+13.30	3019951.7055	777255.2898	R=66.00' L=62.23' Δ=54°01'26" T=33.65'		135+75.53	3019982.7799	777306.5591
C27	135+75.53	3019982.7799	777306.5591	R=66.00' L=59.89' Δ=51°59'29" T=32.18'		136+35.42	3020011.8860	777356.5608
C28	136+35.42	3020011.8860	777356.5608	R=66.00' L=81.00' Δ=70°19'03" T=46.49'		137+16.42	3020039.1764	777427.5042
C29	137+16.42	3020039.1764	777427.5042	R=66.00' L=66.27' Δ=57°31'56" T=36.23'		137+82.69	3020055.2402	777488.9626
C30	137+82.69	3020055.2402	777488.9626	R=3580.00' L=122.42' Δ=1°57'33" T=61.22'		139+05.11	3020137.8383	777579.3096



TIE INSET 'A'

LYNNFIELD MIDDLE SCHOOL
CONNECTION CONST BL

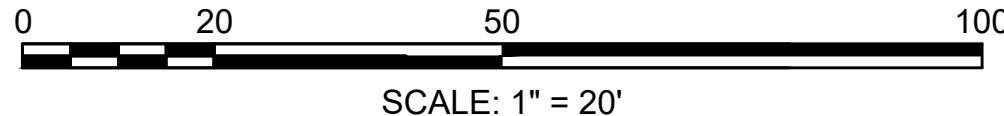
TIE INSET 'B'

136+92.84 LYNNFIELD RAIL TRAIL=
11+58.57 MIDDLE SCHOOL CONNECTION

[" STA 137+18.89
IN 3020038.6189
E 777429.9109

MATCH LINE
STA 137+85

CONTINUED ON
SHEET NO. 29



N 3020000
E 777399

BIT CONC

STATION 2101
N: 3019820.37'
E: 777100.80'
EL: 77.63'
MAG. NAIL SET

1 STORY WOOD

BIT CONC DRIVEWAY

BEGIN / MEET EXIST:
133+55.66
9.78', LT
Δ=6°54'07"
R=18.00'
L=2.17'
T=1.09'

PT: 133+57.79
9.36', LT

END: 133+75.68
7.00', LT

END: 133+75.68
7.00', RT
PT: 133+63.69
7.00', RT
Δ=35°14'16"
R=10.00'
L=6.15'
T=3.18'

BEGIN / MEET EXIST:
133+57.92
8.83', RT

LYNNFIELD RAIL TRAIL CONST BL

N56°26'59"E
503.71'

PC +39.78

PRC +69.33

135

PRC +13.30

PRC +15.59

136

PRC +35.42

PRC +08.68

137

PRC +16.42

138

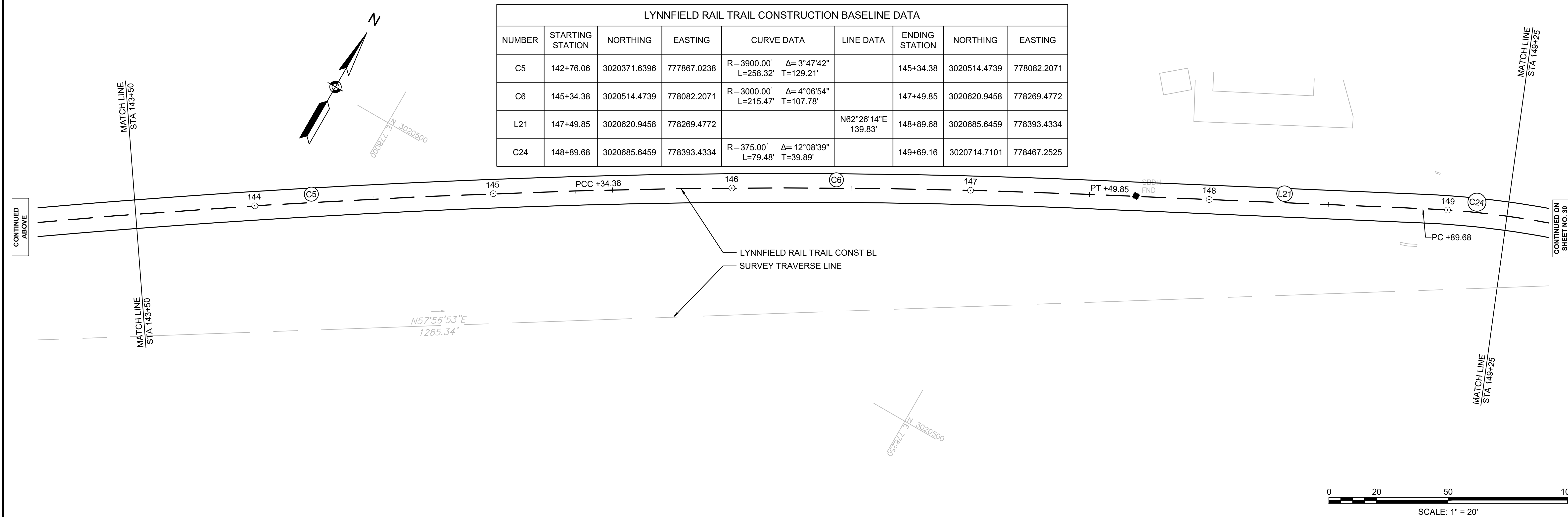
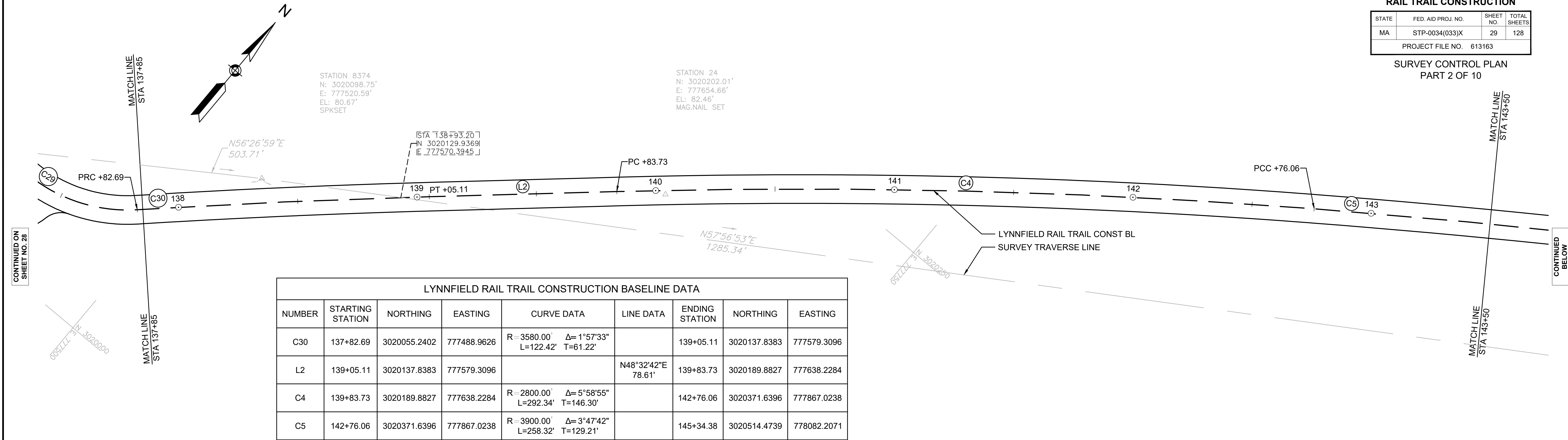
PRC +82.69

PT +48.59

139

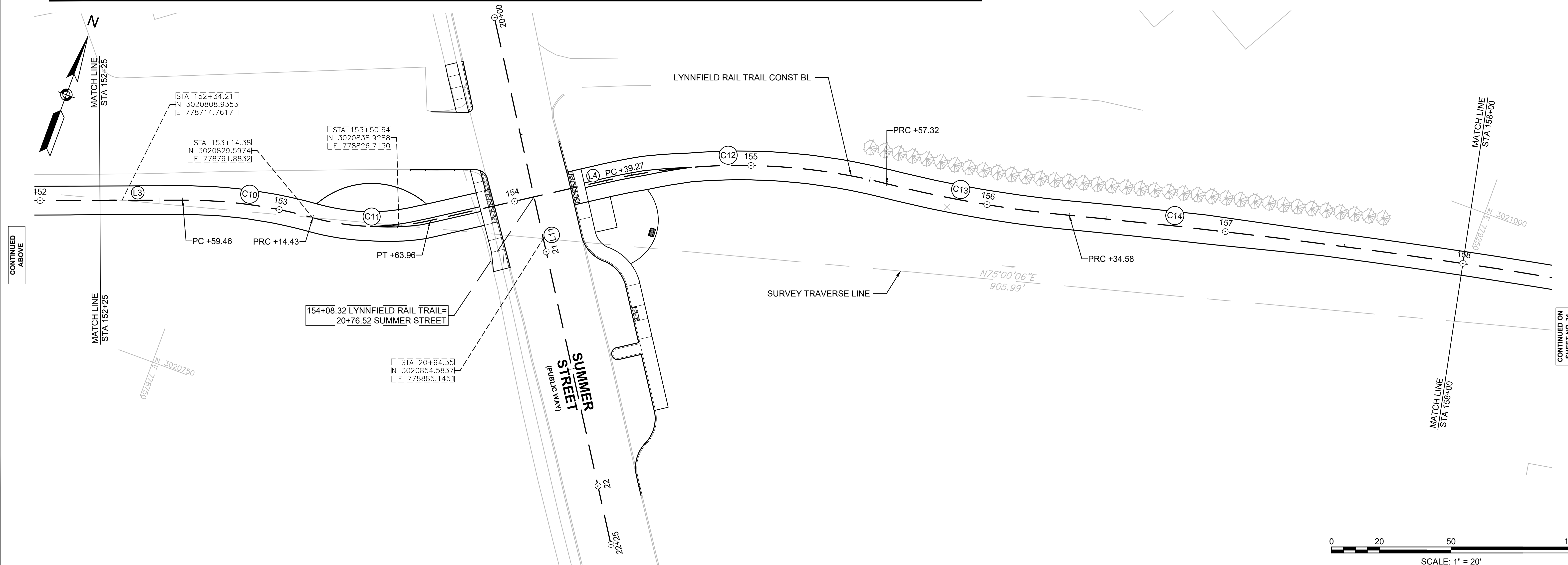
N 3020000
E 777399

MATCH LINE
STA 137+85



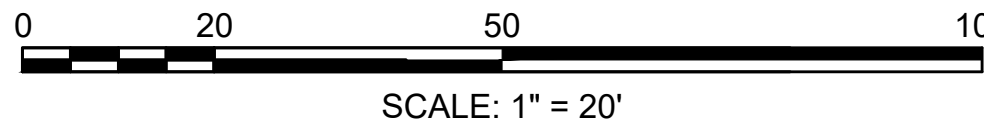
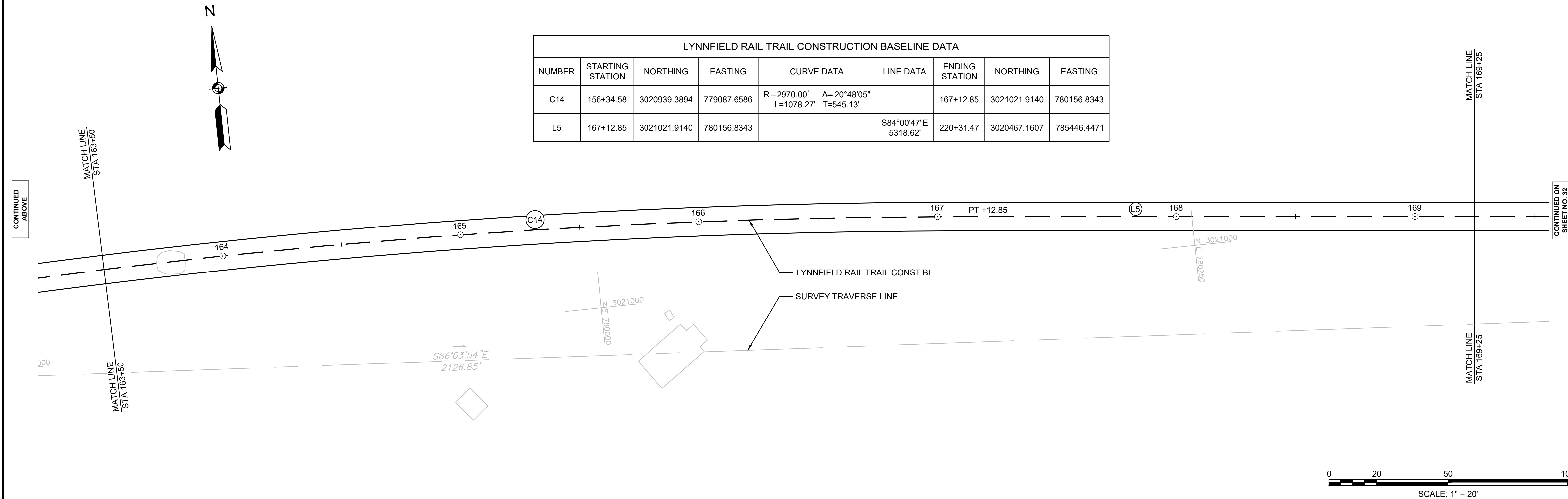
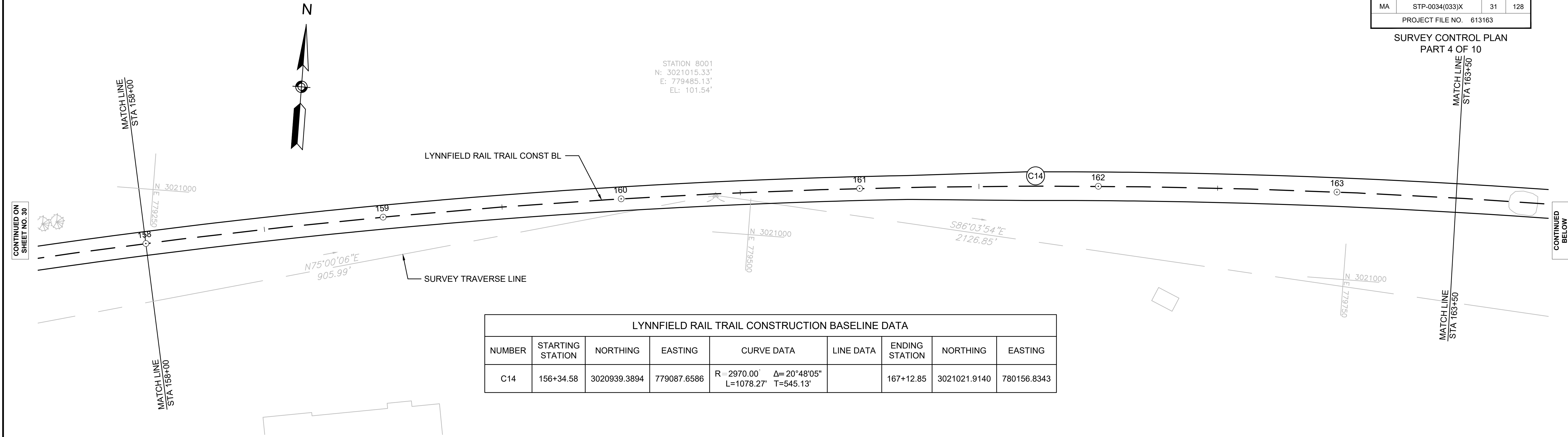
6613163 HD(SURVEY CONTROL PLAN).DWG Plotted on 29-Jun-2026 4:50 PM

SUMMER STREET CONSTRUCTION BASELINE DATA								
NUMBER	STARTING STATION	NORTHING	EASTING	CURVE DATA	LINE DATA	ENDING STATION	NORTHING	EASTING
L11	20+00.00	3020934.0270	778834.2542		S32°38'36"E 225.00'	22+25.00	3020744.5670	778955.6211



LYNNFIELD RAIL TRAIL CONSTRUCTION			
STATE	FED. AID PROJ. NO.	SHEET NO.	TOTAL SHEETS
MA	STP-0034(033)X	31	128
PROJECT FILE NO.		613163	

SURVEY CONTROL PLAN
PART 4 OF 10

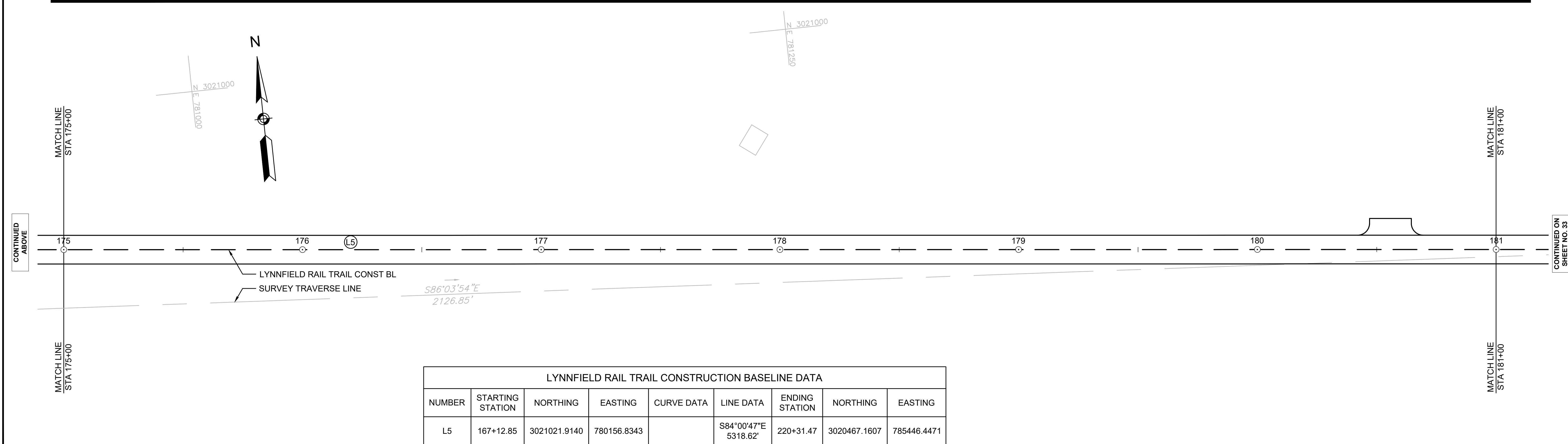
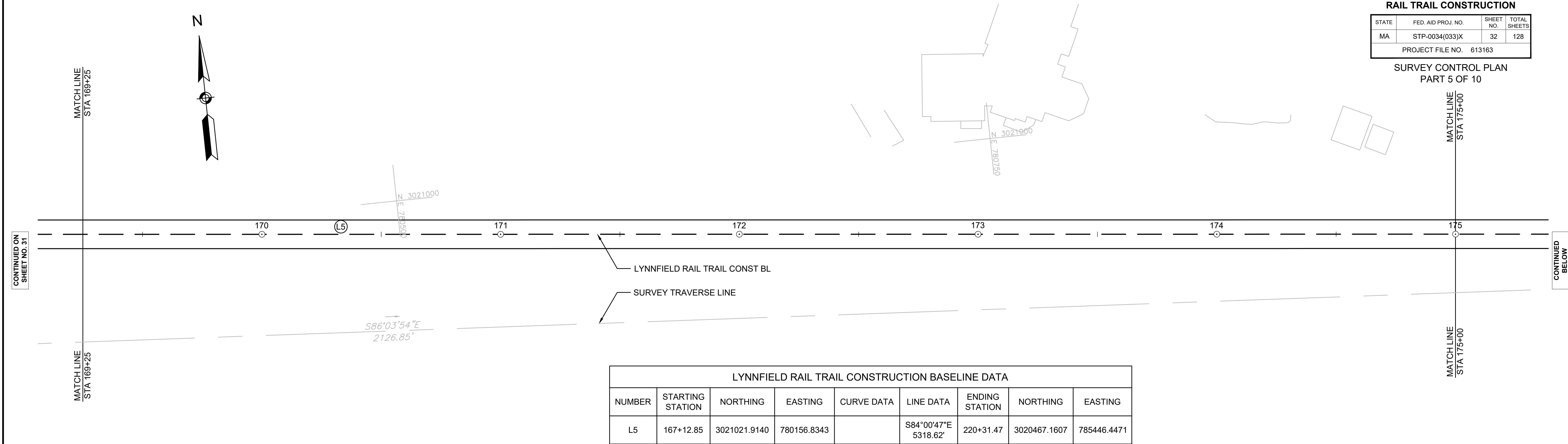


LYNNFIELD
RAIL TRAIL CONSTRUCTION

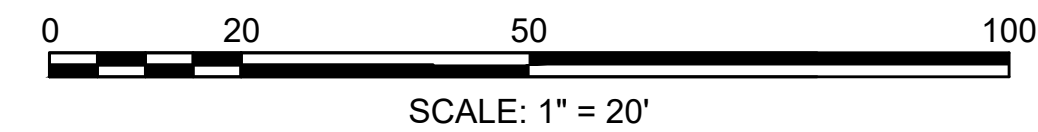
STATE	FED. AID PROJ. NO.	SHEET NO.	TOTAL SHEETS
MA	STP-0034(033)X	32	128

PROJECT FILE NO. 613163

SURVEY CONTROL PLAN
PART 5 OF 10

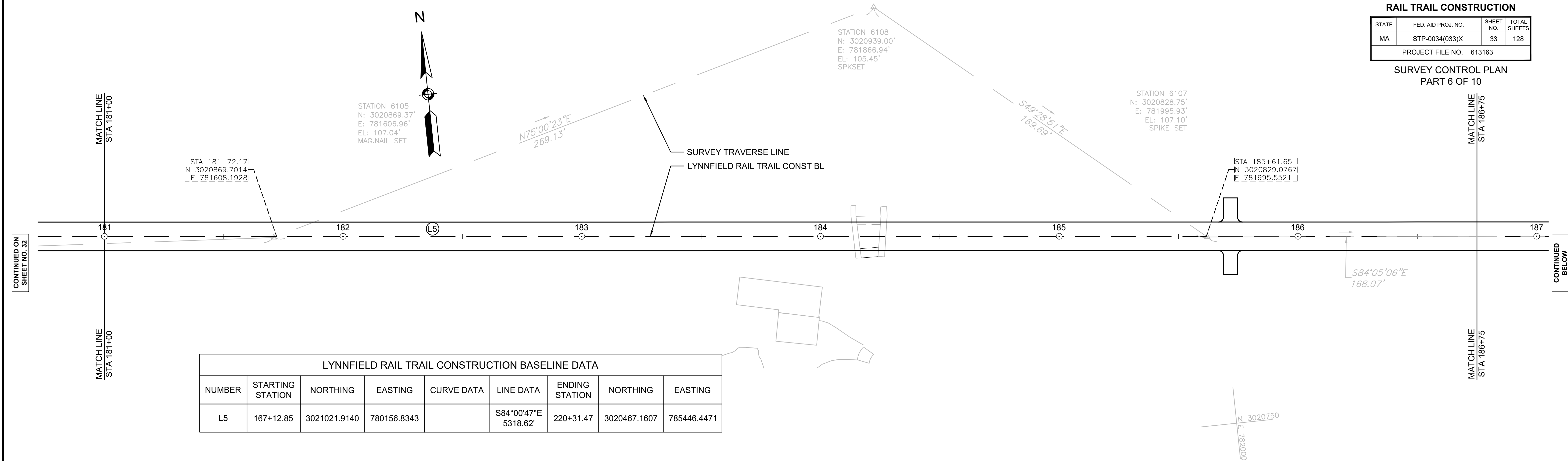


FOR PROFILES SEE SHEET 24-25

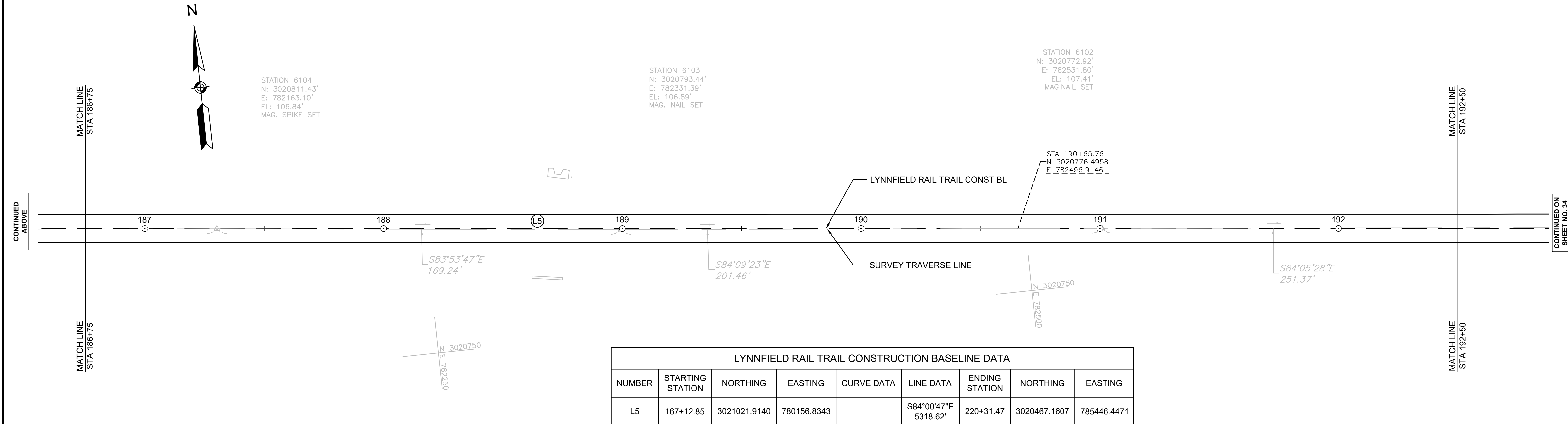


LYNNFIELD RAIL TRAIL CONSTRUCTION			
STATE	FED. AID PROJ. NO.	SHEET NO.	TOTAL SHEETS
MA	STP-0034(033)X	33	128
PROJECT FILE NO. 613163			

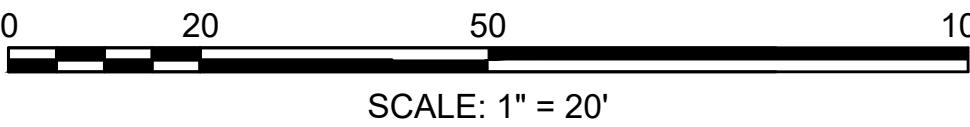
SURVEY CONTROL PLAN
PART 6 OF 10



LYNNFIELD RAIL TRAIL CONSTRUCTION BASELINE DATA								
NUMBER	STARTING STATION	NORTHING	EASTING	CURVE DATA	LINE DATA	ENDING STATION	NORTHING	EASTING
L5	167+12.85	3021021.9140	780156.8343		S84°00'47\"/>	220+31.47	3020467.1607	785446.4471

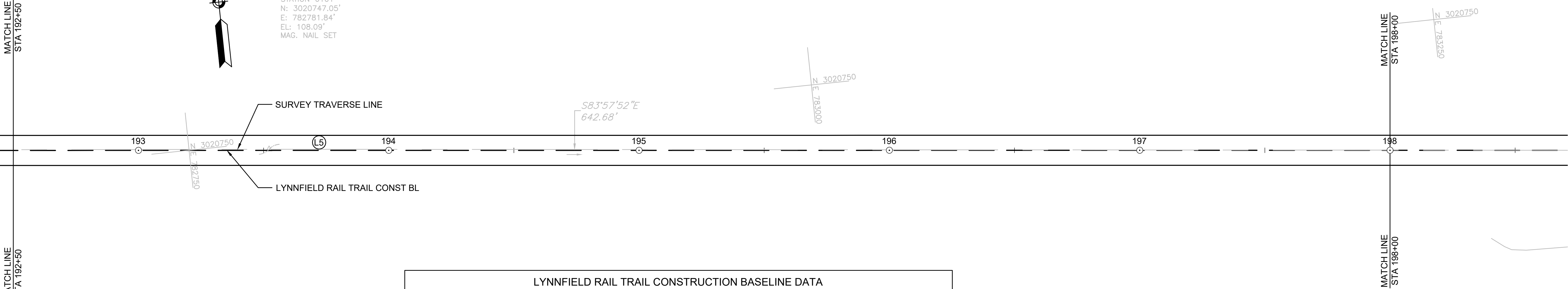


LYNNFIELD RAIL TRAIL CONSTRUCTION BASELINE DATA								
NUMBER	STARTING STATION	NORTHING	EASTING	CURVE DATA	LINE DATA	ENDING STATION	NORTHING	EASTING
L5	167+12.85	3021021.9140	780156.8343		S84°00'47\"/>	220+31.47	3020467.1607	785446.4471

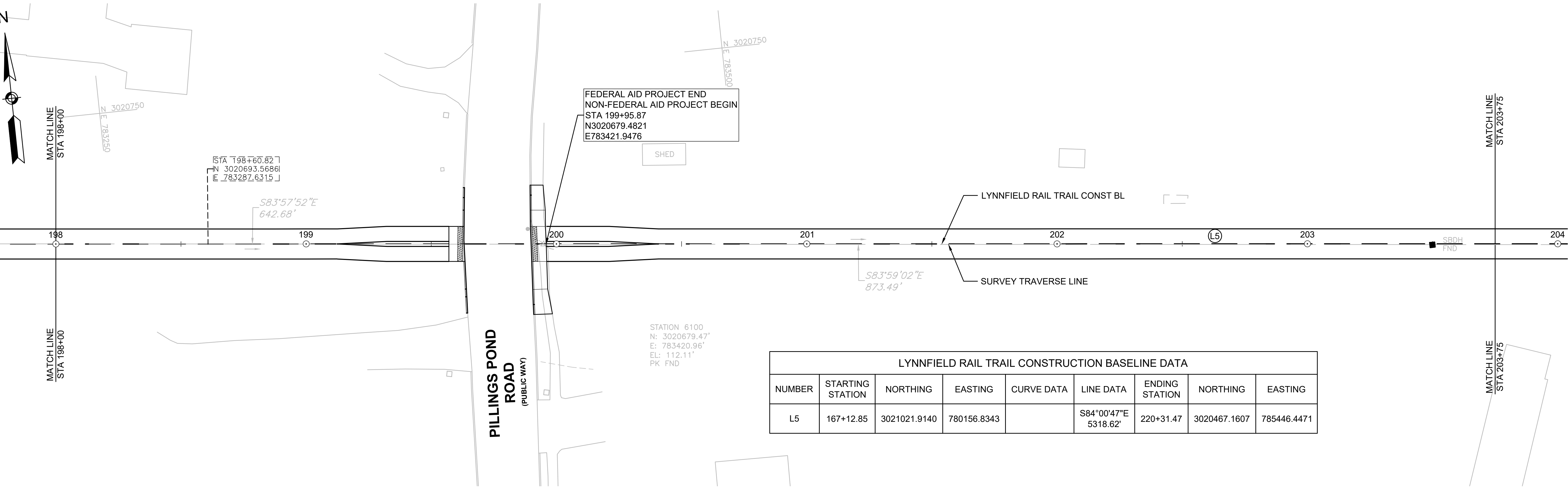




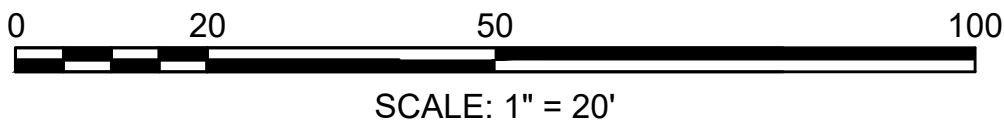
STATION 6101
N: 3020747.05'
E: 782781.84'
EL: 108.09'
MAG. NAIL SET



LYNNFIELD RAIL TRAIL CONSTRUCTION BASELINE DATA								
NUMBER	STARTING STATION	NORTHING	EASTING	CURVE DATA	LINE DATA	ENDING STATION	NORTHING	EASTING
L5	167+12.85	3021021.9140	780156.8343		S84°00'47"E 5318.62'	220+31.47	3020467.1607	785446.4471



LYNNFIELD RAIL TRAIL CONSTRUCTION BASELINE DATA								
NUMBER	STARTING STATION	NORTHING	EASTING	CURVE DATA	LINE DATA	ENDING STATION	NORTHING	EASTING
L5	167+12.85	3021021.9140	780156.8343		S84°00'47"E 5318.62'	220+31.47	3020467.1607	785446.4471



LYNNFIELD
RAIL TRAIL CONSTRUCTION

STATE	FED. AID PROJ. NO.	SHEET NO.	TOTAL SHEETS
MA	STP-0034(033)X	34	128

PROJECT FILE NO. 613163

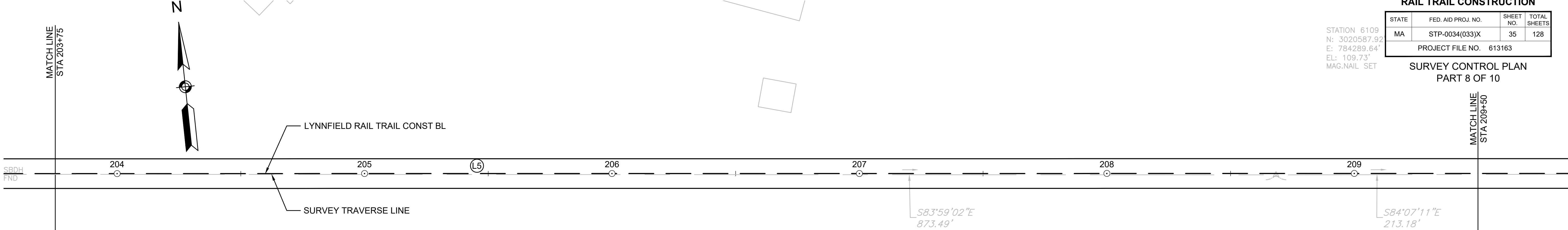
SURVEY CONTROL PLAN
PART 7 OF 10

LYNNFIELD
RAIL TRAIL CONSTRUCTION

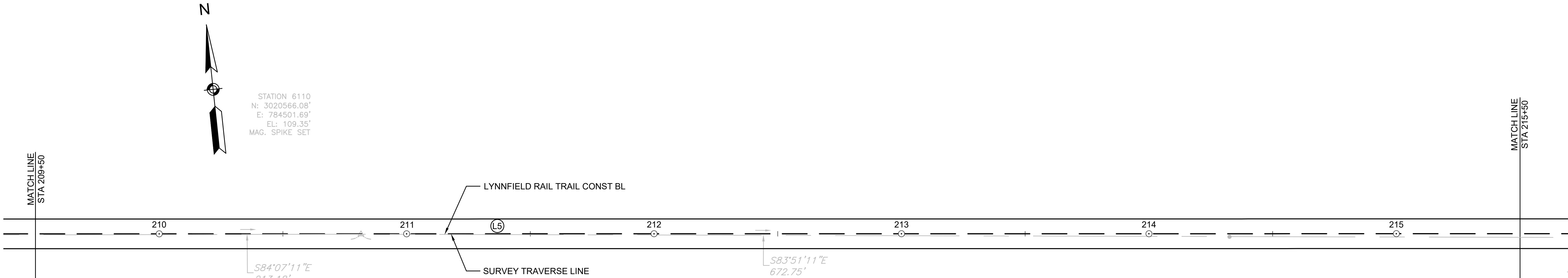
STATE	FED. AID PROJ. NO.	SHEET NO.	TOTAL SHEETS
MA	STP-0034(033)X	35	128
PROJECT FILE NO. 613163			

STATION 6109
N: 3020587.92
E: 784289.64'
EL: 109.73'
MAG.NAIL SET

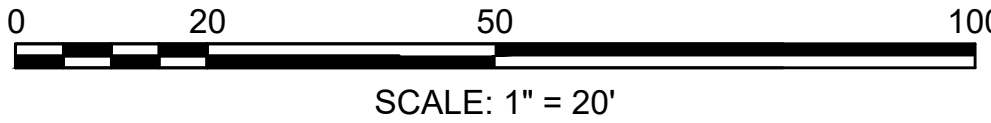
SURVEY CONTROL PLAN
PART 8 OF 10



LYNNFIELD RAIL TRAIL CONSTRUCTION BASELINE DATA								
NUMBER	STARTING STATION	NORTHING	EASTING	CURVE DATA	LINE DATA	ENDING STATION	NORTHING	EASTING
L5	167+12.85	3021021.9140	780156.8343		S84°00'47"E 5318.62'	220+31.47	3020467.1607	785446.4471



LYNNFIELD RAIL TRAIL CONSTRUCTION BASELINE DATA								
NUMBER	STARTING STATION	NORTHING	EASTING	CURVE DATA	LINE DATA	ENDING STATION	NORTHING	EASTING
L5	167+12.85	3021021.9140	780156.8343		S84°00'47"E 5318.62'	220+31.47	3020467.1607	785446.4471



CONTINUED ON
SHEET NO. 34

CONTINUED
BELOW

CONTINUED
ABOVE

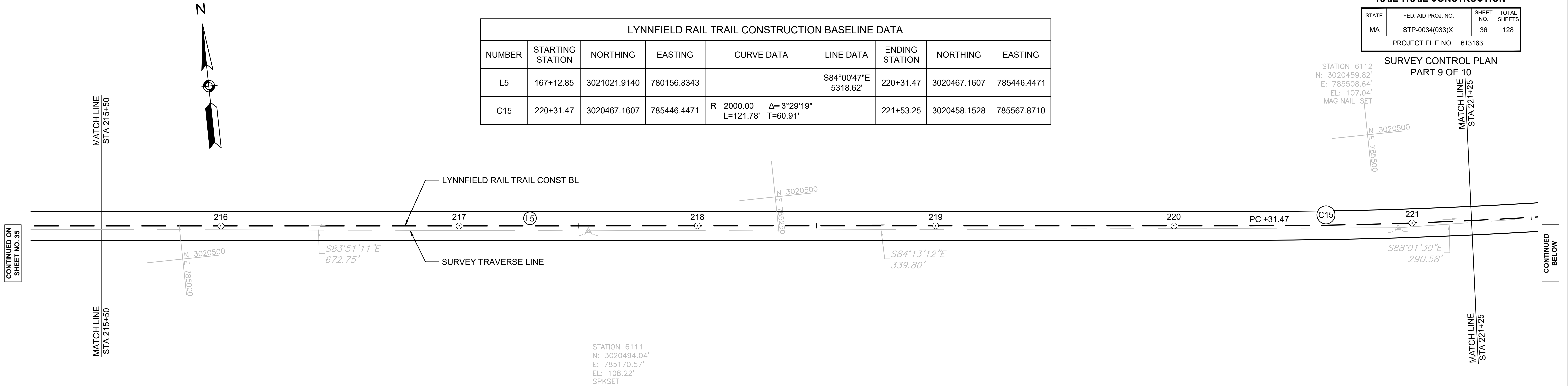
CONTINUED ON
SHEET NO. 36

LYNNFIELD RAIL TRAIL CONSTRUCTION			
STATE	FED. AID PROJ. NO.	SHEET NO.	TOTAL SHEETS
MA	STP-0034(033)X	36	128
PROJECT FILE NO. 613163			

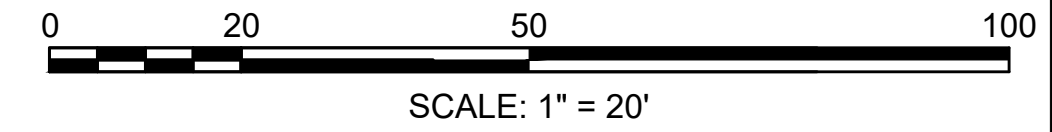
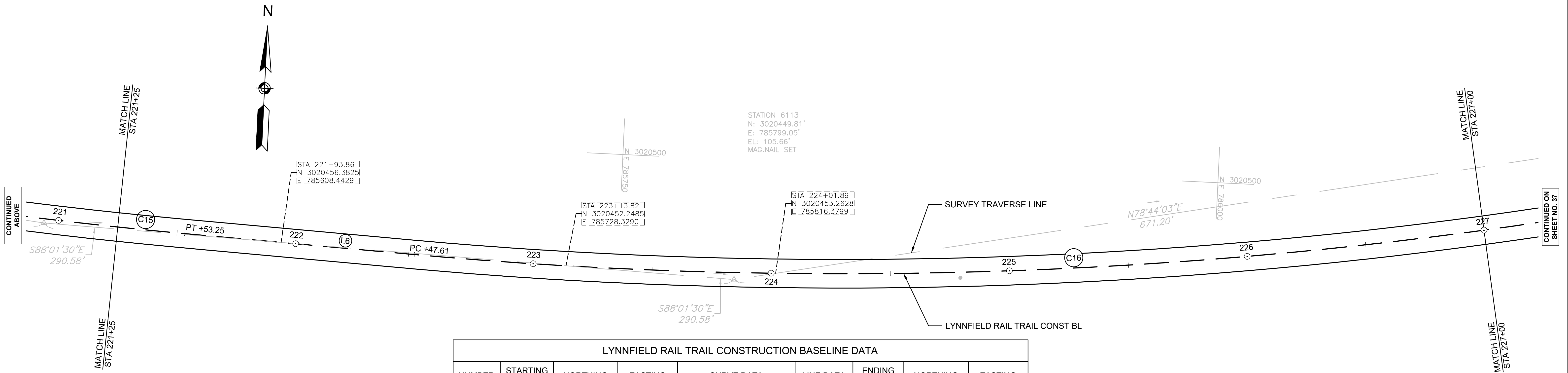
SURVEY CONTROL PLAN
PART 9 OF 10

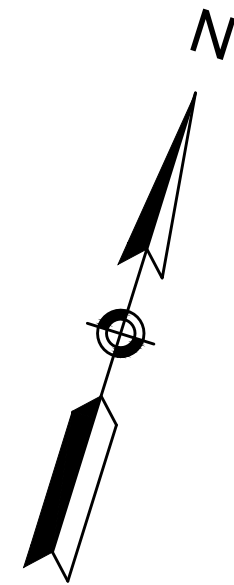
STATION 6112
N: 3020459.82'
E: 785508.64'
EL: 107.04'
MAG.NAIL SET

LYNNFIELD RAIL TRAIL CONSTRUCTION BASELINE DATA								
NUMBER	STARTING STATION	NORTHING	EASTING	CURVE DATA	LINE DATA	ENDING STATION	NORTHING	EASTING
L5	167+12.85	3021021.9140	780156.8343		S84°00'47"E 5318.62'	220+31.47	3020467.1607	785446.4471
C15	220+31.47	3020467.1607	785446.4471	R=2000.00' Δ=3°29'19" L=121.78' T=60.91'		221+53.25	3020458.1528	785567.8710



LYNNFIELD RAIL TRAIL CONSTRUCTION BASELINE DATA								
NUMBER	STARTING STATION	NORTHING	EASTING	CURVE DATA	LINE DATA	ENDING STATION	NORTHING	EASTING
C15	220+31.47	3020467.1607	785446.4471	R=2000.00' Δ=3°29'19" L=121.78' T=60.91'		221+53.25	3020458.1528	785567.8710
L6	221+53.25	3020458.1528	785567.8710		S87°30'06"E 94.36'	222+47.61	3020454.0395	785662.1406
C16	222+47.61	3020454.0395	785662.1406	R=2000.00' Δ=16°01'18" L=559.26' T=281.47'		228+06.87	3020507.5875	786217.0018





CONTINUED ON
SHEET NO. 36

MATCH LINE
STA 227+00

MATCH LINE
STA 227+00

SURVEY TRAVERSE LINE

N78°44'03"E
671.20'

TIE INSET 'C'

LYNNFIELD RAIL TRAIL CONST BL

LYNNFIELD
PEABODY

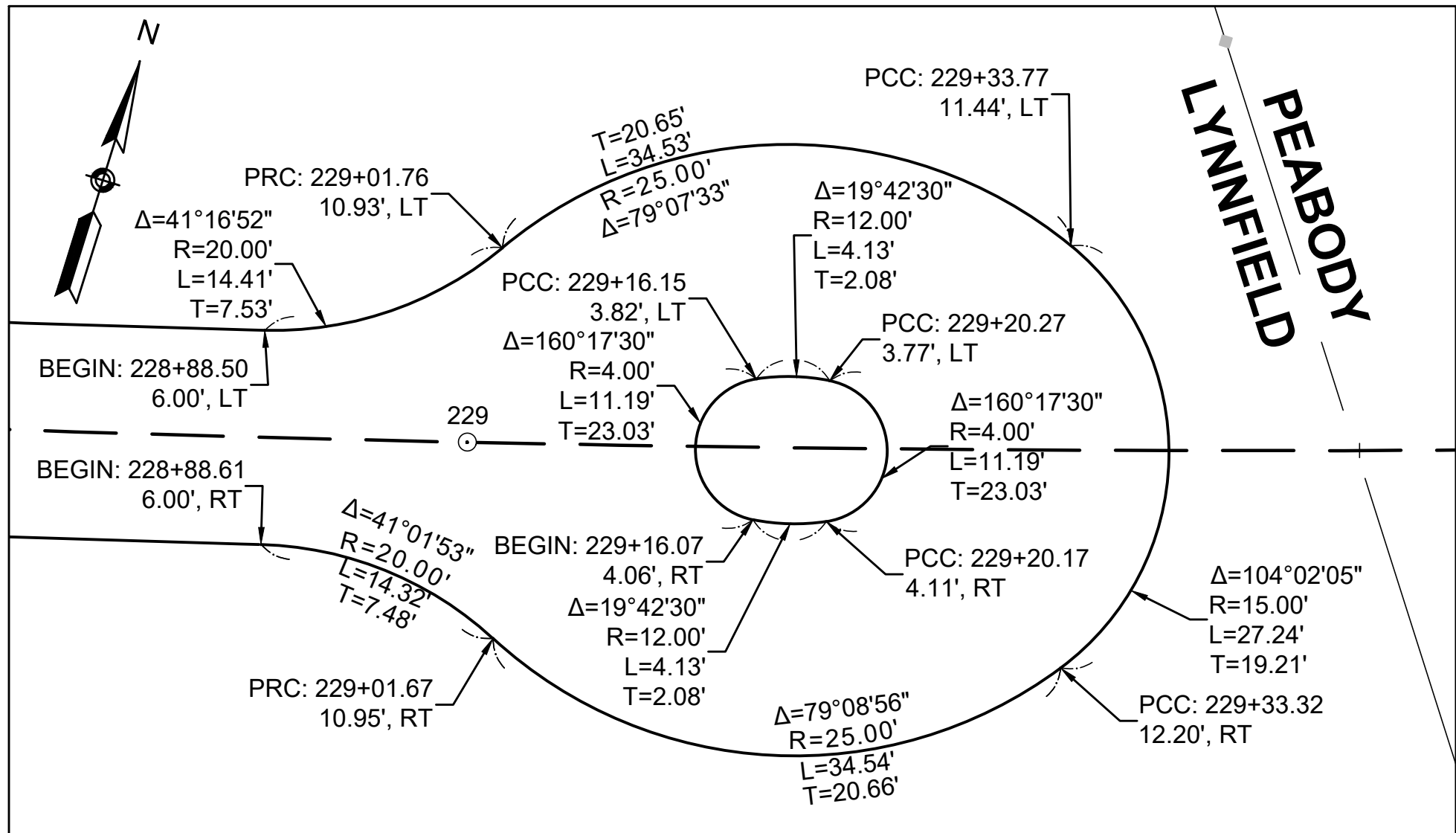
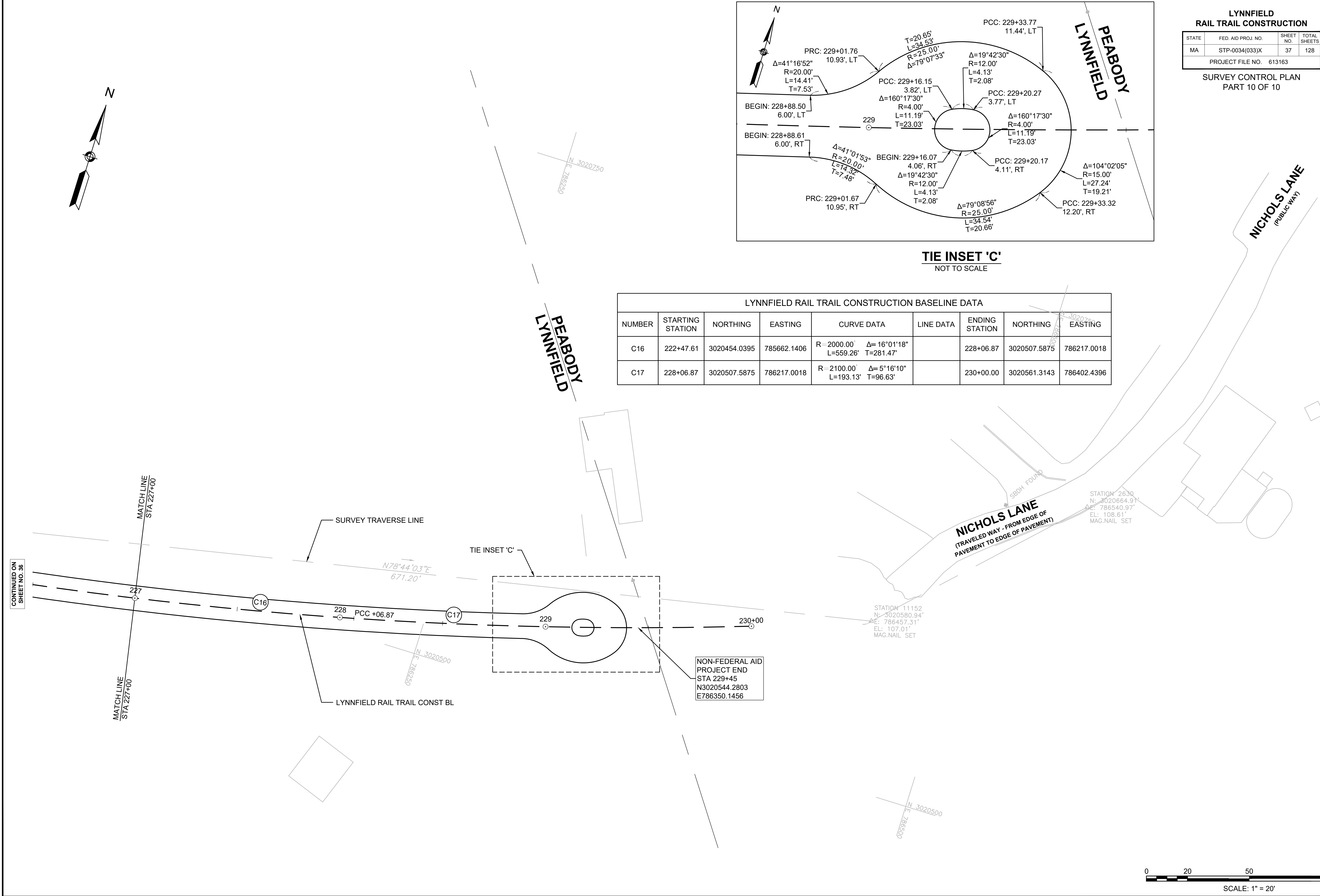
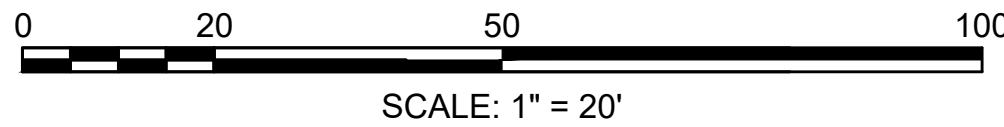
LYNNFIELD RAIL TRAIL CONSTRUCTION BASELINE DATA								
NUMBER	STARTING STATION	NORTHING	EASTING	CURVE DATA		LINE DATA	ENDING STATION	NORTHING
C16	222+47.61	3020454.0395	785662.1406	R = 2000.00'	Δ = 16°01'18" L = 559.26' T = 281.47'		228+06.87	3020507.5875
C17	228+06.87	3020507.5875	786217.0018	R = 2100.00'	Δ = 5°16'10" L = 193.13' T = 96.63'		230+00.00	3020561.3143

NON-FEDERAL AID
PROJECT END
STA 229+45
N3020544.2803
E786350.1456

STATION 11152
N: 3020580.94'
E: 786457.31'
EL: 107.01'
MAG.NAIL SET

NICHOLS LANE
(TRAVELED WAY - FROM EDGE OF
PAVEMENT TO EDGE OF PAVEMENT)

STATION 2630
N: 3020664.91'
E: 786540.97'
EL: 108.61'
MAG.NAIL SET



LYNNFIELD
RAIL TRAIL CONSTRUCTION

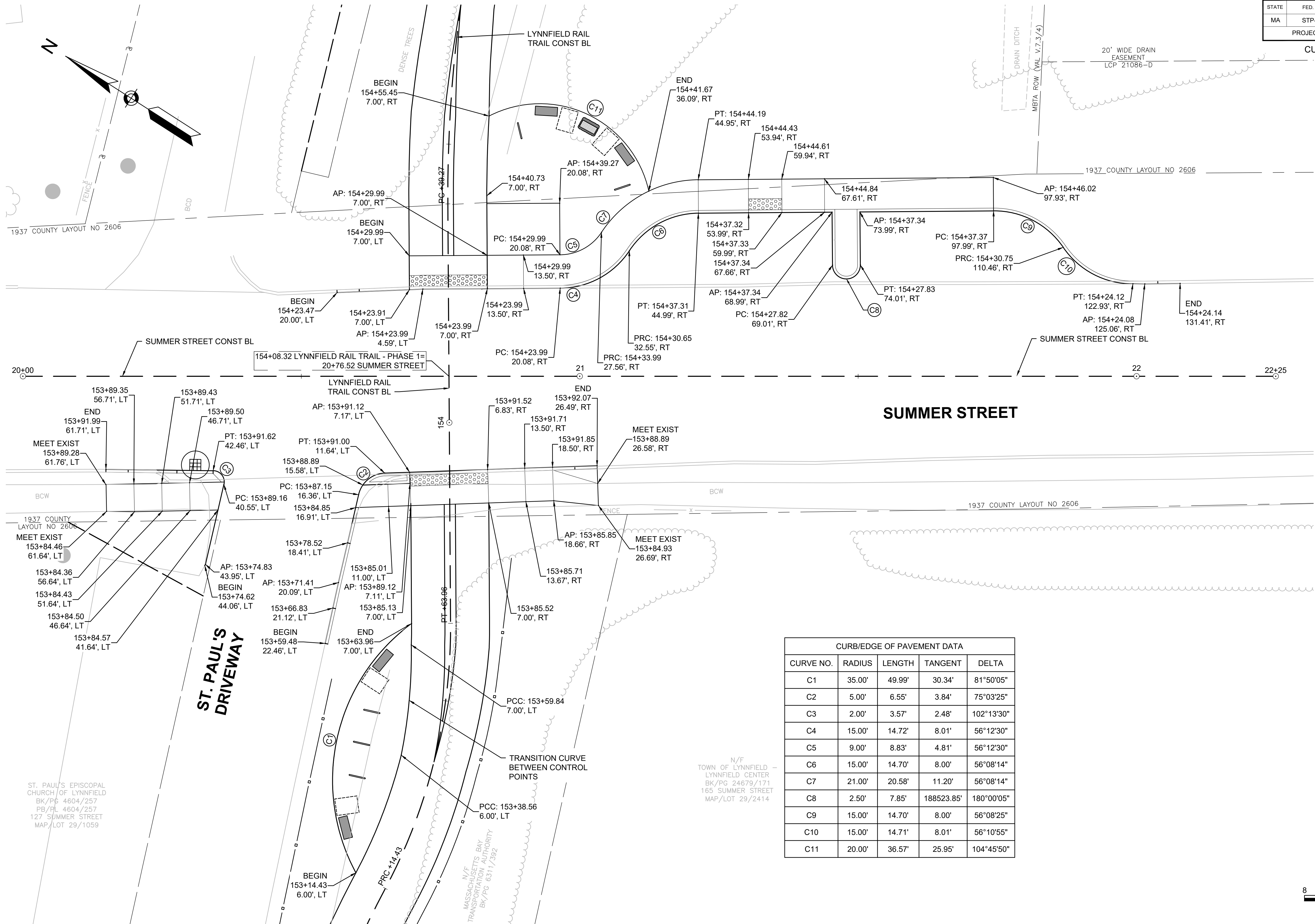
STATE	FED. AID PROJ. NO.	SHEET NO.	TOTAL SHEETS
MA	STP-0034(033)X	37	128

PROJECT FILE NO. 613163

SURVEY CONTROL PLAN
PART 10 OF 10

LYNNFIELD RAIL TRAIL CONSTRUCTION			
STATE	FED. AID PROJ. NO.	SHEET NO.	TOTAL SHEETS
MA	STP-0034(033)X	38	128
PROJECT FILE NO. 613163			

CURB TIE PLAN



CURB/EDGE OF PAVEMENT DATA				
CURVE NO.	RADIUS	LENGTH	TANGENT	DELTA
C1	35.00'	49.99'	30.34'	81°50'05"
C2	5.00'	6.55'	3.84'	75°03'25"
C3	2.00'	3.57'	2.48'	102°13'30"
C4	15.00'	14.72'	8.01'	56°12'30"
C5	9.00'	8.83'	4.81'	56°12'30"
C6	15.00'	14.70'	8.00'	56°08'14"
C7	21.00'	20.58'	11.20'	56°08'14"
C8	2.50'	7.85'	188523.85'	180°00'05"
C9	15.00'	14.70'	8.00'	56°08'25"
C10	15.00'	14.71'	8.01'	56°10'55"
C11	20.00'	36.57'	25.95'	104°45'50"



ST. PAUL'S EPISCOPAL
CHURCH OF LYNNFIELD
BK/PG 4604/257
PB/PL 4604/257
127 SUMMER STREET
MAP/LOT 29/1059

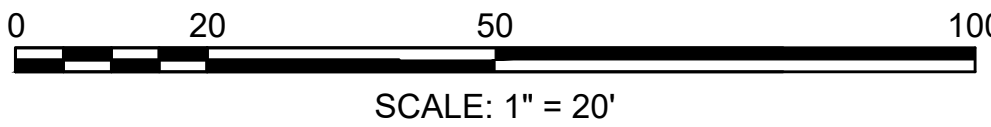
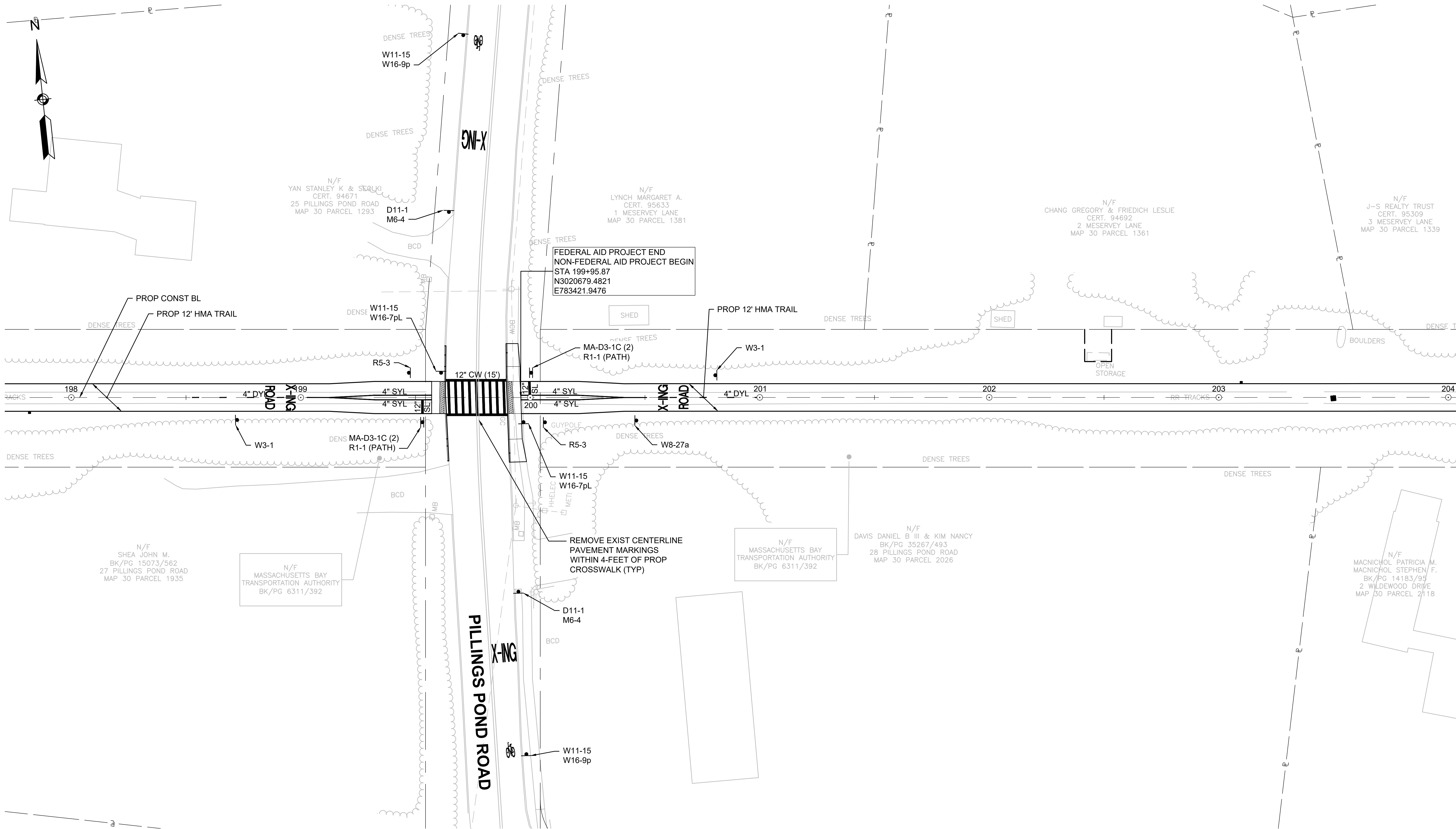
N/F
TOWN OF LYNNFIELD -
LYNNFIELD CENTER
BK/PG 24679/171
165 SUMMER STREET
MAP/LOT 29/2414

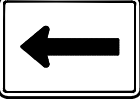
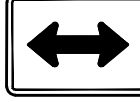
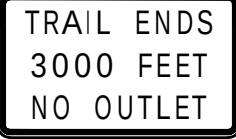
MASSACHUSETTS BAY
TRANSPORTATION AUTHORITY
BK/PG 6311/392

LYNNFIELD
RAIL TRAIL CONSTRUCTION

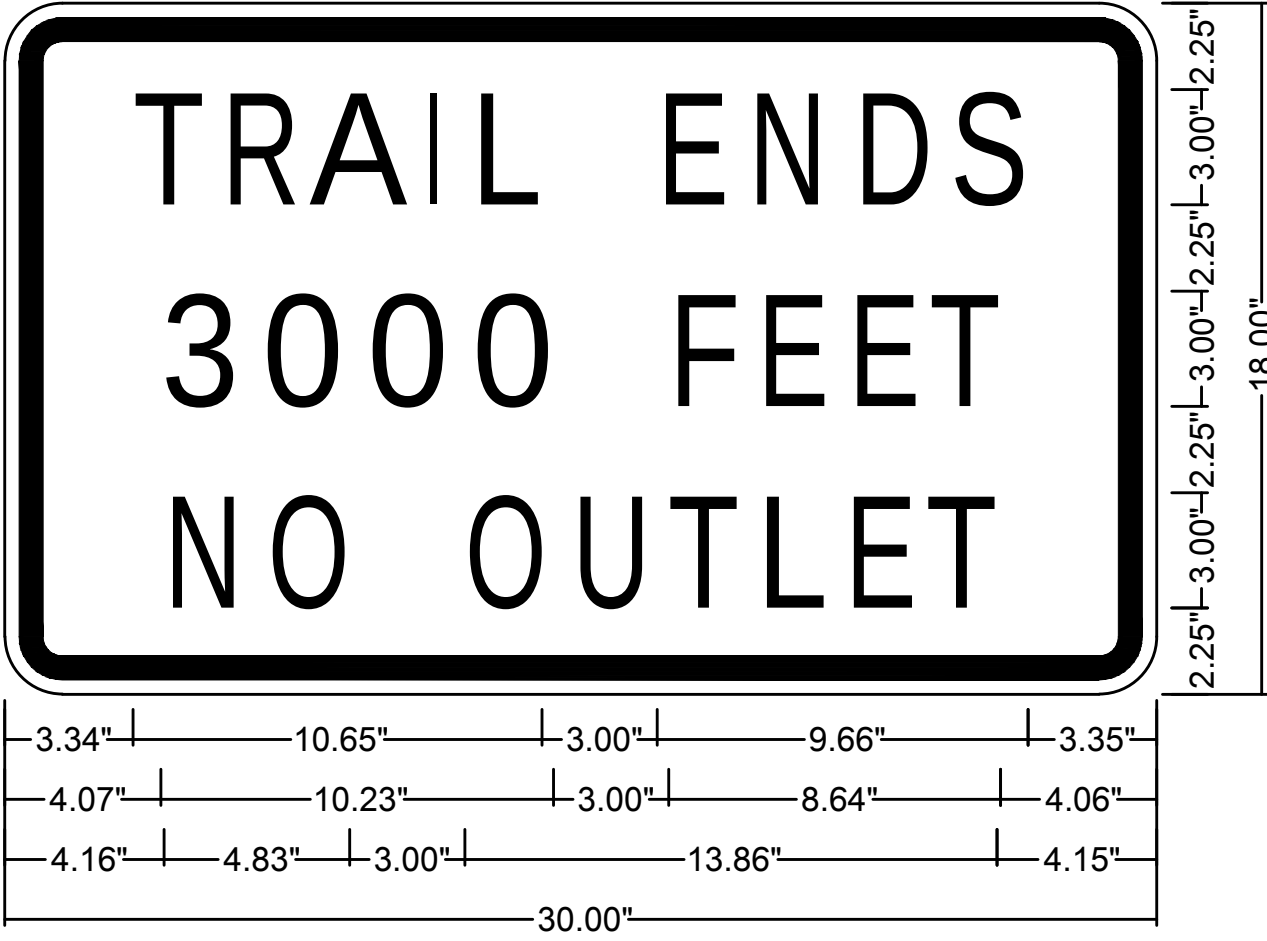
STATE	FED. AID PROJ. NO.	SHEET NO.	TOTAL SHEETS
MA	STP-0034(033)X	41	128
PROJECT FILE NO. 613163			

SIGN & PAVEMENT MARKING PLAN
PART 3 OF 3



IDENTIFI- CATION NUMBER	SIZE OF SIGN		TEXT	TEXT DIMENSIONS (INCHES)			NUMBER OF SIGNS REQUIRED	COLOR			POST SIZE AND NUMBER REQUIRED	UNIT AREA (S.F.)	AREA IN SQUARE FEET
	WIDTH	HEIGHT		LETTER HEIGHT	VERTICAL SPACING	ARROW RTE. MKR.		BACK- GROUND	LEGEND	BORDER			
R1-1 (PATH)	18"	18"		2023 MUTCD	2023 MUTCD	2023 MUTCD	7	RED	WHITE	WHITE	1 P-5 7 REQ'D	2.25	15.75
R5-3	24"	24"		2023 MUTCD	2023 MUTCD	2023 MUTCD	6	WHITE	BLACK	BLACK	1 P-5 6 REQ'D	4.00	24.00
R7-8L	12"	18"		2023 MUTCD	2023 MUTCD	2023 MUTCD	1	WHITE	GREEN/ BLUE	GREEN	1 P-5 1 REQ'D	1.50	1.50
SP-1L	12"	18"		3B 3B 3B	1.5" 1" 1.5"	2" X 7.75"	1	WHITE	GREEN	GREEN	1 P-5 1 REQ'D	1.50	1.50
SP-1R	12"	18"		3B 3B 3B	1.5" 1" 1.5"	2" X 7.75"	1	WHITE	GREEN	GREEN	1 P-5 1 REQ'D	1.50	1.50
D11-1	24"	18"		2023 MUTCD	2023 MUTCD	2023 MUTCD	5	GREEN	WHITE	WHITE	1 P-5 5 REQ'D	3.00	15.00
M6-1L	12"	9"		2023 MUTCD	2023 MUTCD	2023 MUTCD	1	GREEN	WHITE	WHITE	MNT 1 W/ D11-1	0.75	0.75
M6-4	12"	9"		2023 MUTCD	2023 MUTCD	2023 MUTCD	4	GREEN	WHITE	WHITE	MNT 4 WITH D11-1	0.75	3.00
W1-1R	18"	18"		2023 MUTCD	2023 MUTCD	2023 MUTCD	2	YELLOW	BLACK	BLACK	1 P-5 2 REQ'D	2.25	4.50
W3-1	18"	18"		2023 MUTCD	2023 MUTCD	2023 MUTCD	7	YELLOW	BLACK/ RED	BLACK	1 P-5 7 REQ'D	2.25	15.75
W8-27a	30"	18"		SEE DETAIL	SEE DETAIL	SEE DETAIL	1	YELLOW	BLACK	BLACK	1 P-5 1 REQ'D	3.75	3.75
W11-15	30"	30"		2023 MUTCD	2023 MUTCD	2023 MUTCD	7	FLUOR YELLOW- GREEN	BLACK	BLACK	1 P-5 7 REQ'D	6.25	43.75
W16-7pL	24"	12"		2023 MUTCD	2023 MUTCD	2023 MUTCD	2	FLUOR YELLOW- GREEN	BLACK	BLACK	MNT 2 WITH W11-15	2.00	4.00
W16-9p	24"	12"		2023 MUTCD	2023 MUTCD	2023 MUTCD	5	FLUOR YELLOW- GREEN	BLACK	BLACK	MNT 5 WITH W11-15	2.00	10.00

IDENTIFI- CATION NUMBER	SIZE OF SIGN		TEXT	TEXT DIMENSIONS (INCHES)			NUMBER OF SIGNS REQUIRED	COLOR			POST SIZE AND NUMBER REQUIRED	AREA IN SQUARE FEET
	WIDTH	HEIGHT		LETTER HEIGHT	VERTICAL SPACING	ARROW RTE. MKR.		BACK- GROUND	LEGEND	BORDER		
MA-D3-1A	18"	6"	Ford Ave	3D 2D	1.5" 1.5"		2	GREEN	WHITE	WHITE	W/ R1-1	EACH
MA-D3-1B	24"	6"	Summer st	3D 2D	1.5" 1.5"		4	GREEN	WHITE	WHITE	W/ R1-1	EACH
MA-D3-1C	30"	6"	Pillings Pond Rd	3D 2D	1.5" 1.5"		4	GREEN	WHITE	WHITE	W/ R1-1	EACH



W8-27a;
1.50" Radius, 0.63" Border, 0.38" Indent, Black on Yellow;
"TRAIL ENDS", D 2K; "3000 FEET", D 2K; "NO OUTLET", D 2K;

W8-27a DETAIL
NOT TO SCALE

LYNNFIELD RAIL TRAIL CONSTRUCTION			
STATE	FED. AID PROJ. NO.	SHEET NO.	TOTAL SHEETS
MA	STP-0034(033)X	43	128
PROJECT FILE NO.		613163	

TEMPORARY TRAFFIC CONTROL PLAN
GENERAL NOTES

LEGEND

- REFLECTORIZED PLASTIC DRUM OR 36" CONE
- P/F POLICE/FLAGGER DETAIL
- ▨ TYPE III BARRICADE
- CHANGEABLE MESSAGE SIGN
- ➡ ARROW BOARD
- ▨ WORK ZONE
- ➡ DIRECTION OF TRAFFIC
- ⦿ IMPACT ATTENUATOR
- 🚚 WORK VEHICLE
- 🚚 TRUCK MOUNTED ATTENUATOR
- SIGN

TYPICAL TRAFFIC CONTROL SET UPS

- 850.1.1 - TEMPORARY CURB RAMP (1 OF 2)
- 850.1.2 - TEMPORARY CURB RAMP (2 OF 2)
- 851.1.1 - CONES & DRUMS
- 851.2.1 - TYPE III BARRICADE
- 851.2.2 - TYPE III BARRICADE WITH SIGN
- 851.3.1 - PEDESTRIAN CHANNELIZING DEVICE
- 852.1.1 - SIDEWALK DETOUR
- 852.1.2 - SIDEWALK DIVERSION
- 852.1.3 - PEDESTRIAN DETOUR FOR CROSSWALK CLOSURE
- 852.4.1 - ALTERNATING ONE-WAY (FLAGGER CONTROL)
- 852.4.4 - ALTERNATING ONE-WAY (TRAFFIC OFFICER)
- 852.5.3 - TWO LANE ROAD SHOULDER CLOSURE
- 852.5.4 - TWO LANE ROAD HALF ROAD CLOSURE

BUFFER LENGTHS	
SPEED* (mph)	DISTANCE (ft)
20	115
25	155
30	200
35	250
40	305
45	360
50	425
55	495
60	570
65	645
70	730
75	820

FORMULAS FOR DETERMINING TAPER LENGTHS

SPEED LIMIT (S)	TAPER LENGTH (L)
40 MPH OR LESS	$L = \frac{WS^2}{60}$
45 MPH OR MORE	$L = WS$

TAPER LENGTH CRITERIA FOR TEMPORARY TRAFFIC CONTROL ZONES

TYPE OF TAPER	TAPER LENGTH (L)
MERGING TAPER	AT LEAST L
SHIFTING TAPER	AT LEAST 0.5L
SHOULDER TAPER	AT LEAST 0.33L
ONE-LANE, TW0-WAY TRAFFIC TAPER	100 FT MAXIMUM
DOWNSTREAM TAPER	100 FT PER LANE

* ROAD TYPE TO BE DETERMINED BY MASSDOT OFFICE OF TRANSPORTATION PLANNING.

**DISTANCES ARE SHOWN IN FEET. THE COLUMN HEADINGS A, B, AND C ARE THE DIMENSIONS SHOWN IN THE DETAIL/ TYPICAL SETUP FIGURES. THE A DIMENSION IS THE DISTANCE FROM THE TRANSITION OR POINT OF RESTRICTION TO THE FIRST SIGN. THE B DIMENSION IS THE DISTANCE BETWEEN THE FIRST AND SECOND SIGNS. THE C DIMENSION IS THE DISTANCE BETWEEN THE SECOND AND THIRD SIGNS. (THE "THIRD" SIGN IS THE FIRST ONE TYPICALLY ENCOUNTERED BY A DRIVER APPROACHING A TEMPORARY TRAFFIC CONTROL (TTC) ZONE.)

THE "THIRD" SIGN ABOVE IS TYPICALLY REFERRED TO AS AN "ADVANCE WARNING" SIGN ON THE TTCP SETUPS. THESE ADVANCE WARNING SIGNS ARE LOCATED PRIOR TO THE PROJECT LIMITS ON ALL APPROACHES (i.e. THE W20-1 SERIES (ROAD WORK XX FT) SIGNS), AND USUALLY REMAIN FOR THE DURATION OF THE PROJECT. ADDITIONAL SIGNS (i.e. "RIGHT LANE CLOSED 1 MILE" AND "LEFT LANE CLOSED 1 MILE") HAVE BEEN SHOWN IN SOME FIGURES AS EXAMPLES OF REINFORCEMENT SIGN PLACEMENT BUT ARE USED IN RARE OCCASIONS.

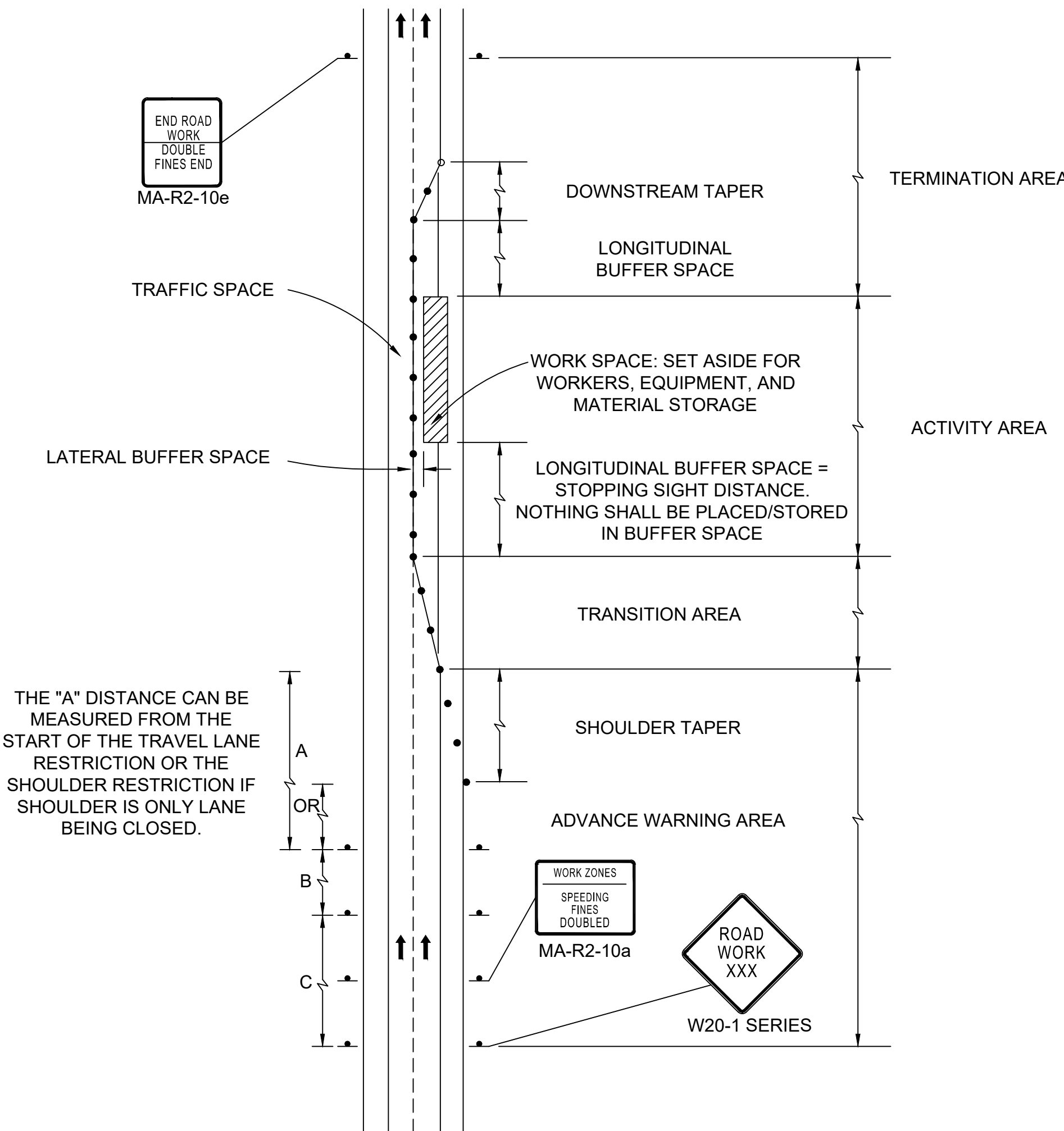
THE FIRST AND SECOND WARNING SIGNS ABOVE ARE REFERRED TO AS THE OPERATIONAL (DAY-TO-DAY) WORK ZONE SIGNS AND MAY BE MOVED DEPENDING ON WHERE THE SPECIFIC ROADWAY WORK FOR THAT DAY IS LOCATED.

MA-R2-10a SIGNS SHALL BE PLACED BETWEEN THE SECOND AND THIRD SIGNS AS DESCRIBED ABOVE.

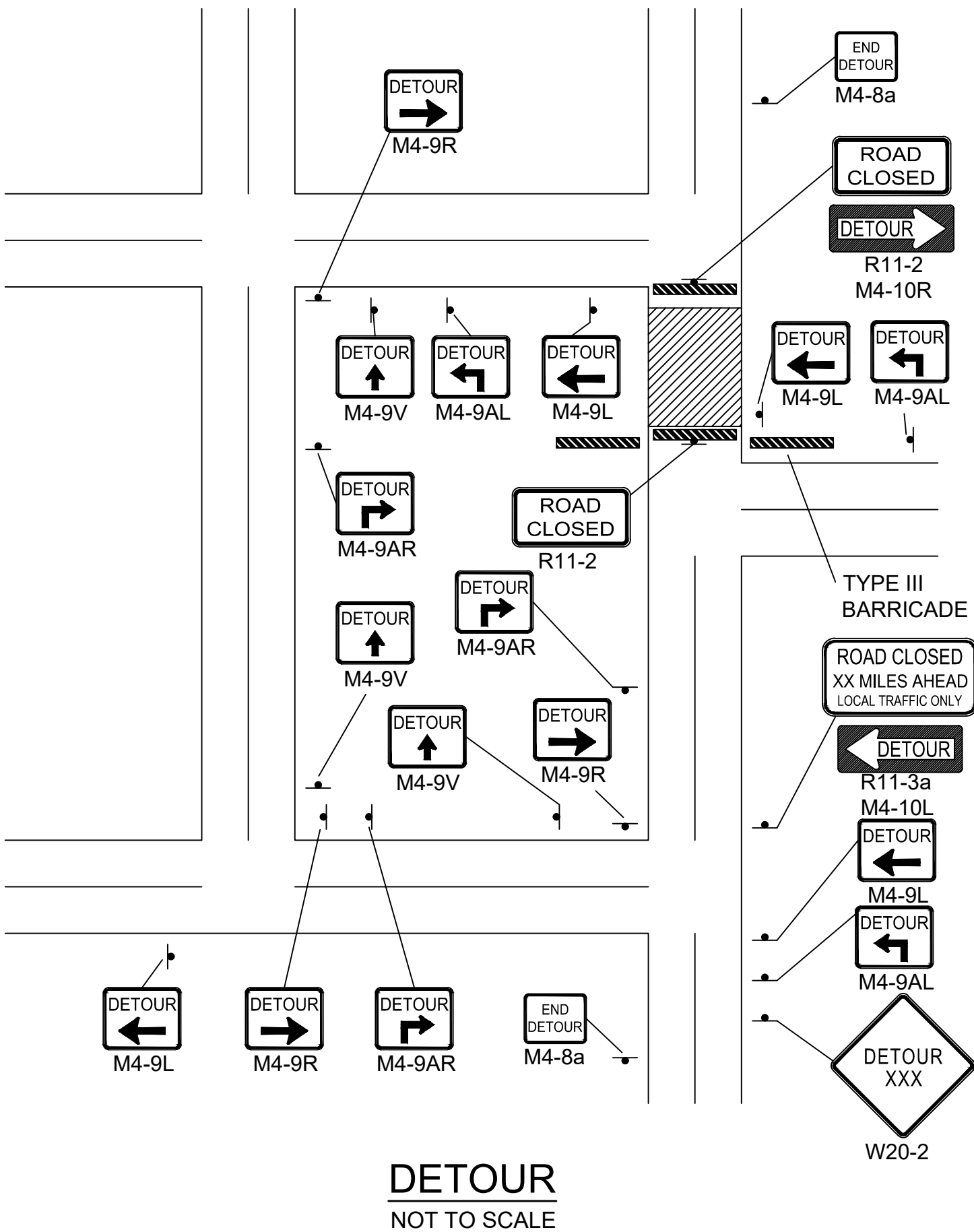
MA-R2-10a, MA-R2-10e, AND W20-1 SERIES SIGNS ARE TO BE INCLUDED ON ALL DETAILS/TYPICAL SETUPS.

NOTES:

- ALL TEMPORARY TRAFFIC CONTROL WORK SHALL CONFORM TO THE LATEST EDITION OF THE "MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES" (MUTCD) AND ALL REVISIONS.
- ALL SIGN LEGENDS, BORDERS AND MOUNTING SHALL BE IN ACCORDANCE WITH THE LATEST EDITION OF THE MUTCD.
- TEMPORARY CONSTRUCTION SIGNING AND ALL OTHER TRAFFIC CONTROL DEVICES SHALL BE IN PLACE PRIOR TO THE START OF ANY WORK.
- TEMPORARY CONSTRUCTION SIGNING, BARRICADES AND ALL OTHER NECESSARY WORK ZONE TRAFFIC CONTROL DEVICES SHALL BE REMOVED FROM THE ROADWAY OR COVERED WHEN THEY ARE NOT REQUIRED FOR CONTROL OF TRAFFIC.
- SIGNS AND SIGN SUPPORTS LOCATED ON OR NEAR THE TRAVELED WAY, AND REFLECTORIZED PLASTIC DRUMS WITH LIGHTING DEVICES MOUNTED ON THEM, MUST PASS THE CRITERIA SET FORTH IN NCHRP REPORT 350, "RECOMMENDED PROCEDURES FOR THE SAFETY PERFORMANCE EVALUATION OF HIGHWAY FEATURES."
- CONTRACTORS SHALL NOTIFY EACH ABUTTER AT LEAST 24 HOURS IN ADVANCE OF THE START OF ANY WORK THAT WILL REQUIRE THE TEMPORARY CLOSURE OF ACCESS, SUCH AS CONDUIT INSTALLATION, EXISTING PAVEMENT EXCAVATION, TEMPORARY DRIVEWAY PAVEMENT PLACEMENT AND SIMILAR OPERATIONS.
- THE FIRST TEN PLASTIC DRUMS OF A TAPER SHALL BE MOUNTED WITH SEQUENTIAL FLASHING LIGHTS.
- DISTANCES ARE A GUIDE AND MAY BE ADJUSTED IN THE FIELD BY THE ENGINEER.
- MAXIMUM SPACING OF TRAFFIC DEVICES IN A TAPER (DRUMS OR CONES) IS EQUAL IN FEET TO THE SPEED LIMIT IN MPH.
- MINIMUM LANE WIDTH IS TO BE 11 FEET UNLESS OTHERWISE SHOWN. MINIMUM LANE WIDTH TO BE MEASURED FROM THE EDGE OF DRUMS OR MEDIAN BARRIER.
- ALL SIGNS SHALL BE MOUNTED ON THEIR OWN STANDARD SIGN SUPPORTS.
- ALL TEMPORARY WALKWAYS SHALL MEET ADA/AAB GUIDELINES.
- DETAILS SHOWN ON THIS PLAN ARE NOT TO SCALE.
- ADA COMPLIANT PEDESTRIAN ACCESS SHALL BE MAINTAINED AT ALL TIMES, INCLUDING PEDESTRIAN GUIDANCE SYSTEMS AT WORK ZONES.

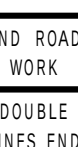
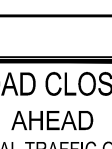
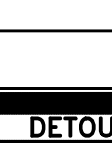
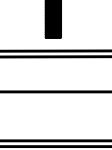
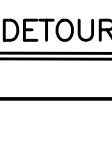
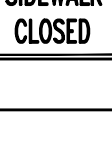
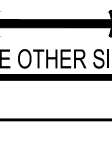
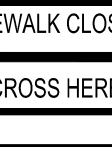


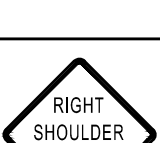
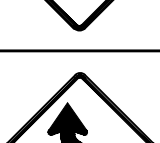
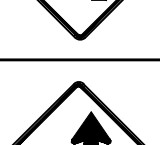
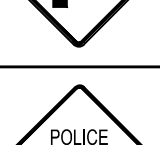
COMPONENT PARTS OF
TEMPORARY TRAFFIC CONTROL (TTC) ZONE
NOT TO SCALE



DETOUR
NOT TO SCALE

CONSTRUCTION SIGN SUMMARY

ID NO.	SIZE OF SIGN (IN.)		TEXT	TEXT DIMENSIONS (IN.)			NO. OF SIGNS REQ'D	COLOR			UNIT AREA (SF)	AREA (SF)
	WID.	HT.		LETTER HEIGHT	VERTICAL SPACING	ARROW		BACK-GROUND	LEGEND	BORDER		
MA-R2-10a	48	36		SEE MASSDOT STANDARDS			4	FLUOR ORANGE ----- WHITE	BLACK	BLACK	12.00	48.00
MA-R2-10e	36	48					4	FLUOR ORANGE ----- WHITE	BLACK	BLACK	12.00	48.00
R11-2	48	30		SEE MUTCD			2	WHITE	BLACK	BLACK	10.00	20.00
R11-3a	60	30					1	WHITE	BLACK	BLACK	12.50	12.50
M4-10R	48	18					1	FLUOR. ORANGE	BLACK	BLACK	6.00	6.00
M4-10L	48	18					1	FLUOR ORANGE	BLACK	BLACK	6.00	6.00
M4-9L	30	24					3	FLUOR ORANGE	BLACK	BLACK	5.00	15.00
M4-9R	30	24					3	FLUOR ORANGE	BLACK	BLACK	5.00	15.00
M4-9AL	30	24					3	FLUOR ORANGE	BLACK	BLACK	5.00	15.00
M4-9AR	30	24					3	FLUOR ORANGE	BLACK	BLACK	5.00	15.00
M4-9V	30	24					3	FLUOR ORANGE	BLACK	BLACK	5.00	15.00
M4-8a	24	18					2	FLUOR. ORANGE	BLACK	BLACK	3.00	6.00
R9-9	24	12					2	WHITE	BLACK	BLACK	2.00	4.00
R9-10	24	12					2	WHITE	BLACK	BLACK	2.00	4.00
R9-11L	24	18					1	WHITE	BLACK	BLACK	3.00	3.00
R9-11R	24	18					1	WHITE	BLACK	BLACK	3.00	3.00
R9-11aL	24	12					1	WHITE	BLACK	BLACK	2.00	2.00
R9-11aR	24	12					1	WHITE	BLACK	BLACK	2.00	2.00

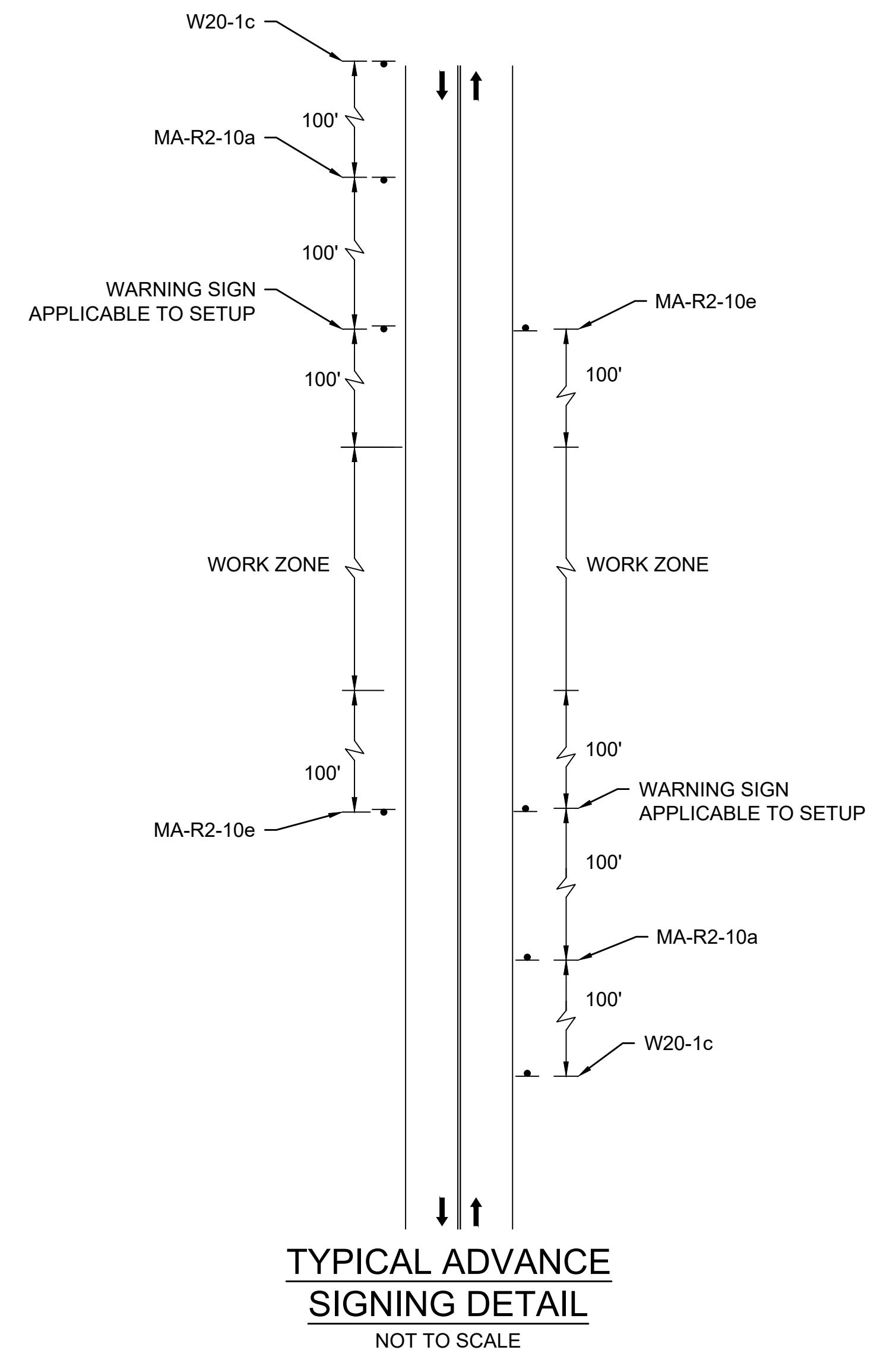
ID NO.	SIZE OF SIGN (IN.)		TEXT	TEXT DIMENSIONS (IN.)			NO. OF SIGNS REQ'D	COLOR			UNIT AREA (SF)	AREA (SF)
	WID.	HT.		LETTER HEIGHT	VERTICAL SPACING	ARROW		BACK-GROUND	LEGEND	BORDER		
W20-1c	36	36		SEE MUTCD			4	FLUOR. ORANGE	BLACK	BLACK	9.00	36.00
W20-2c	36	36					2	FLUOR. ORANGE	BLACK	BLACK	9.00	18.00
W20-4	36	36					2	FLUOR. ORANGE	BLACK	BLACK	9.00	18.00
W20-7a	36	36					4	FLUOR. ORANGE	BLACK	BLACK	9.00	36.00
W5-1	36	36					4	FLUOR. ORANGE	BLACK	BLACK	9.00	36.00
W11-2	36	36					4	FLUOR. YELLOW -GREEN	BLACK	BLACK	9.00	36.00
W13-1p	24	24					2	FLUOR. ORANGE	BLACK	BLACK	4.00	8.00
W16-7pL	24	12					2	FLUOR. YELLOW -GREEN	BLACK	BLACK	2.00	4.00
W16-9p	24	12					2	FLUOR. YELLOW -GREEN	BLACK	BLACK	2.00	4.00
W21-5aR	36	36					2	FLUOR. ORANGE	BLACK	BLACK	9.00	18.00
W1-4L	36	36					2	FLUOR. ORANGE	BLACK	BLACK	9.00	18.00
W1-4R	36	36					2	FLUOR. ORANGE	BLACK	BLACK	9.00	18.00
MA-W20-7b	36	36		SEE MASSDOT STANDARDS			4	FLUOR. ORANGE	BLACK	BLACK	9.00	36.00

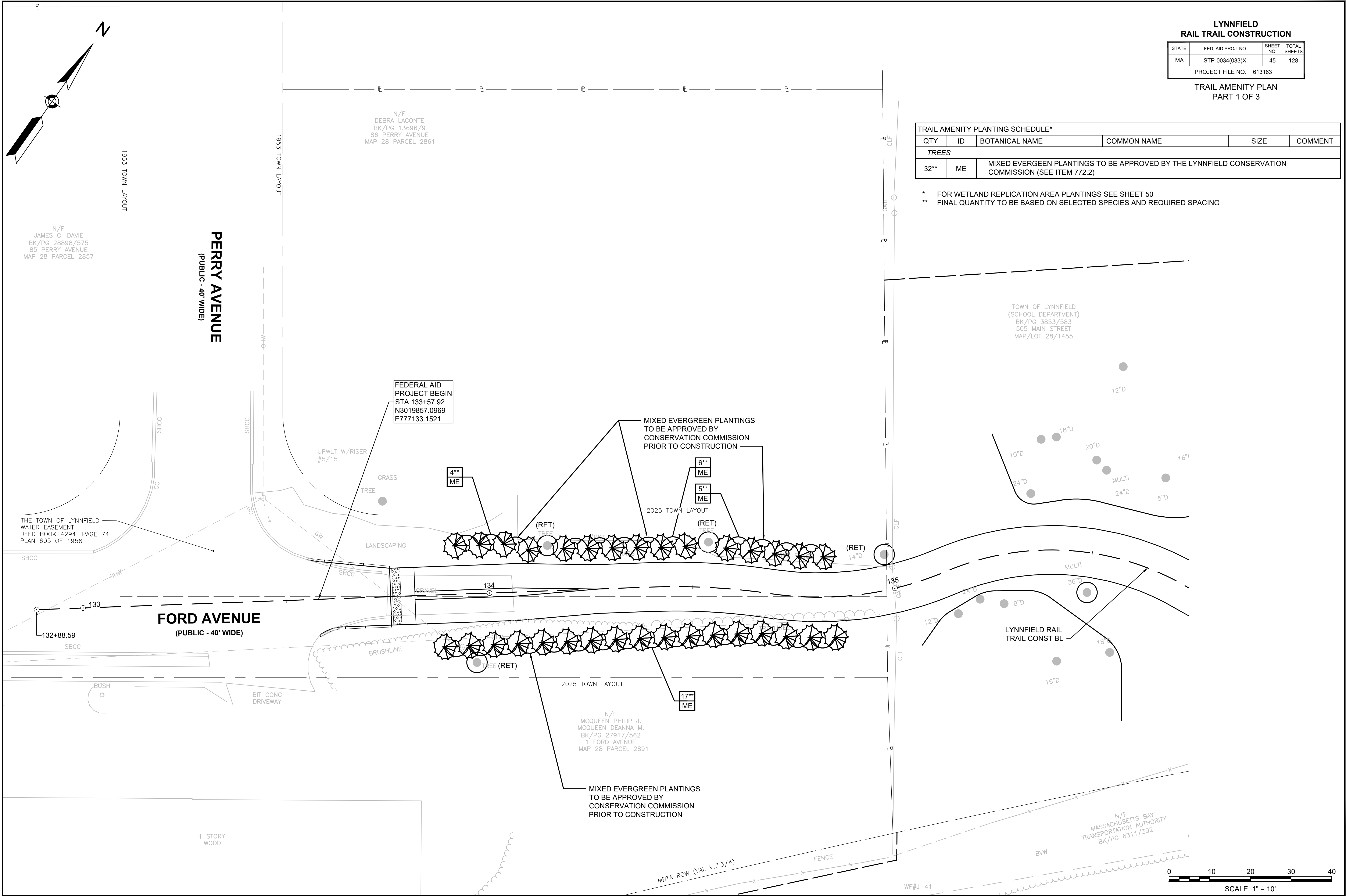
NOTE:
SUPER HIGH INTENSITY UNMETALIZED MICROPRISMATIC ELEMENT
REFLECTIVE SHEETING M9.30.0 TYPE IV, VIII, OR IX
SHALL BE USED FOR ALL SIGNS.

FLUOR. - FLUORESCENT

LYNNFIELD RAIL TRAIL CONSTRUCTION			
STATE	FED. AID PROJ. NO.	SHEET NO.	TOTAL SHEETS
MA	STP-0034(033)X	44	128
PROJECT FILE NO. 613163			

TEMPORARY TRAFFIC CONTROL PLAN CONSTRUCTION SIGN SUMMARY



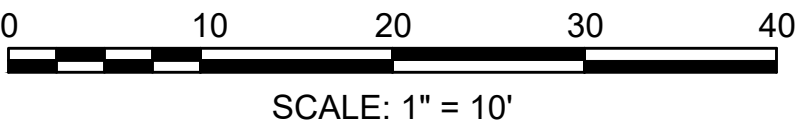


LYNNFIELD RAIL TRAIL CONSTRUCTION			
STATE	FED. AID PROJ. NO.	SHEET NO.	TOTAL SHEETS
MA	STP-0034(033)X	45	128
PROJECT FILE NO. 613163			

TRAIL AMENITY PLAN
PART 1 OF 3

TRAIL AMENITY PLANTING SCHEDULE*					
QTY	ID	BOTANICAL NAME	COMMON NAME	SIZE	COMMENT
TREES					
32**	ME	MIXED EVERGREEN PLANTINGS TO BE APPROVED BY THE LYNNFIELD CONSERVATION COMMISSION (SEE ITEM 772.2)			

- * FOR WETLAND REPLICATION AREA PLANTINGS SEE SHEET 50
- ** FINAL QUANTITY TO BE BASED ON SELECTED SPECIES AND REQUIRED SPACING

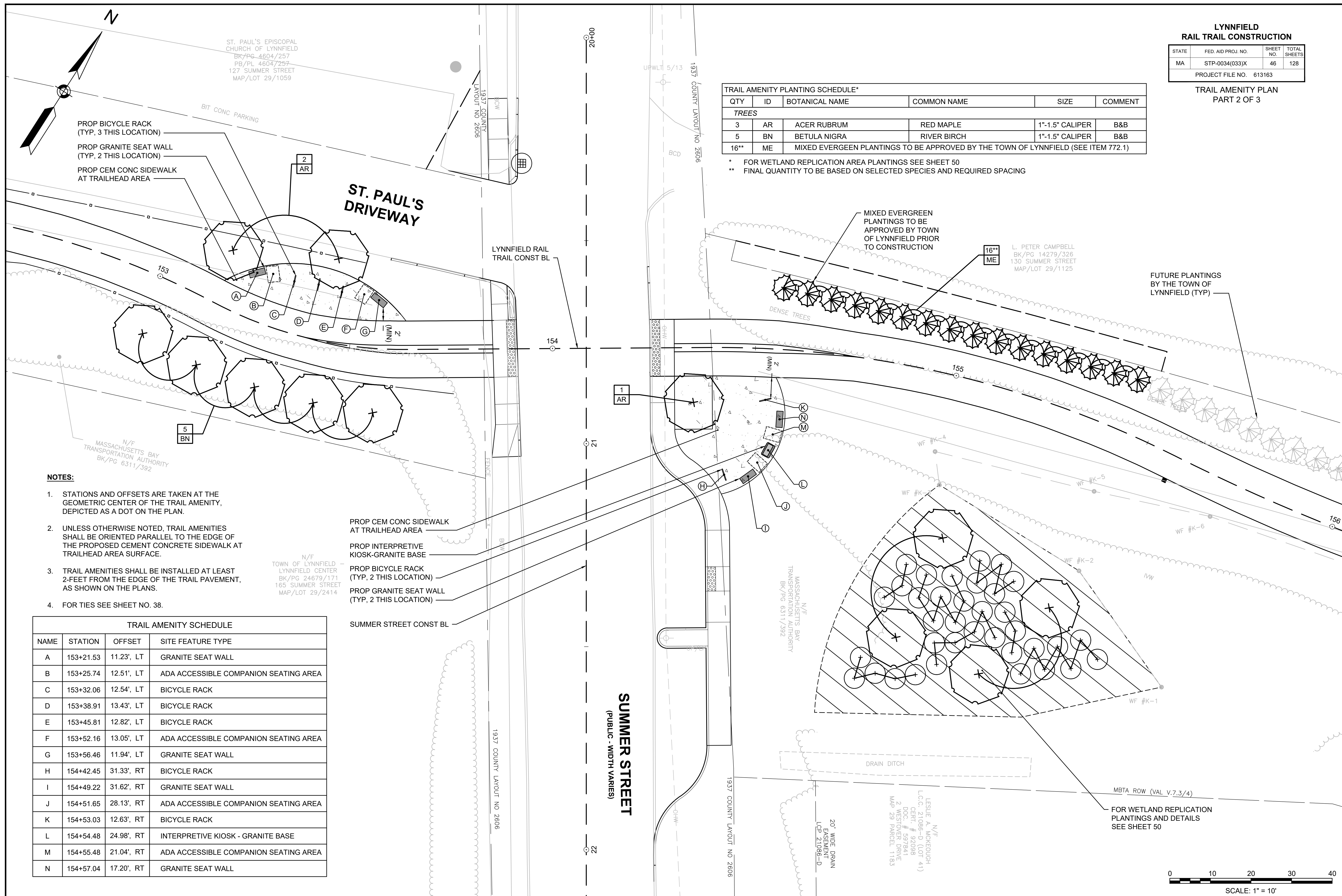


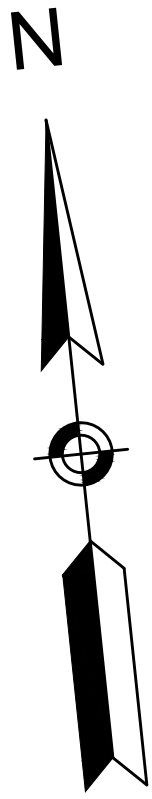
STATE	FED. AID PROJ. NO.	SHEET NO.	TOTAL SHEETS
MA	STP-0034(033)X	46	128
PROJECT FILE NO. 613163			

STATE	FED. AID PROJ. NO.	SHEET NO.	TOTAL SHEETS
MA	STP-0034(033)X	46	128
PROJECT FILE NO. 613163			

TRAIL AMENITY PLANTING SCHEDULE*					
QTY	ID	BOTANICAL NAME	COMMON NAME	SIZE	COMMENT
<i>TREES</i>					
3	AR	ACER RUBRUM	RED MAPLE	1"-1.5" CALIPER	B&B
5	BN	BETULA NIGRA	RIVER BIRCH	1"-1.5" CALIPER	B&B
16**	ME	MIXED EVERGREEN PLANTINGS TO BE APPROVED BY THE TOWN OF LYNNFIELD (SEE ITEM 772.1)			

* FOR WETLAND REPLICATION AREA PLANTINGS SEE SHEET 50
 ** FINAL QUANTITY TO BE BASED ON SELECTED SPECIES AND REQUIRED SPACING





N/F
SILVA JENNIFER L
CERT. 90879
20 LOVELL ROAD
MAP 30 PARCEL 918

20' WIDE DRAINAGE EASEMENT
(LCP 4233-M, CERT NO. 23973)

N/F
RAYMOND J. DORMANN AND
ROSE MARIE
CERT. 91426
22 LOVELL ROAD
MAP 30 PARCEL 929

NOTES:

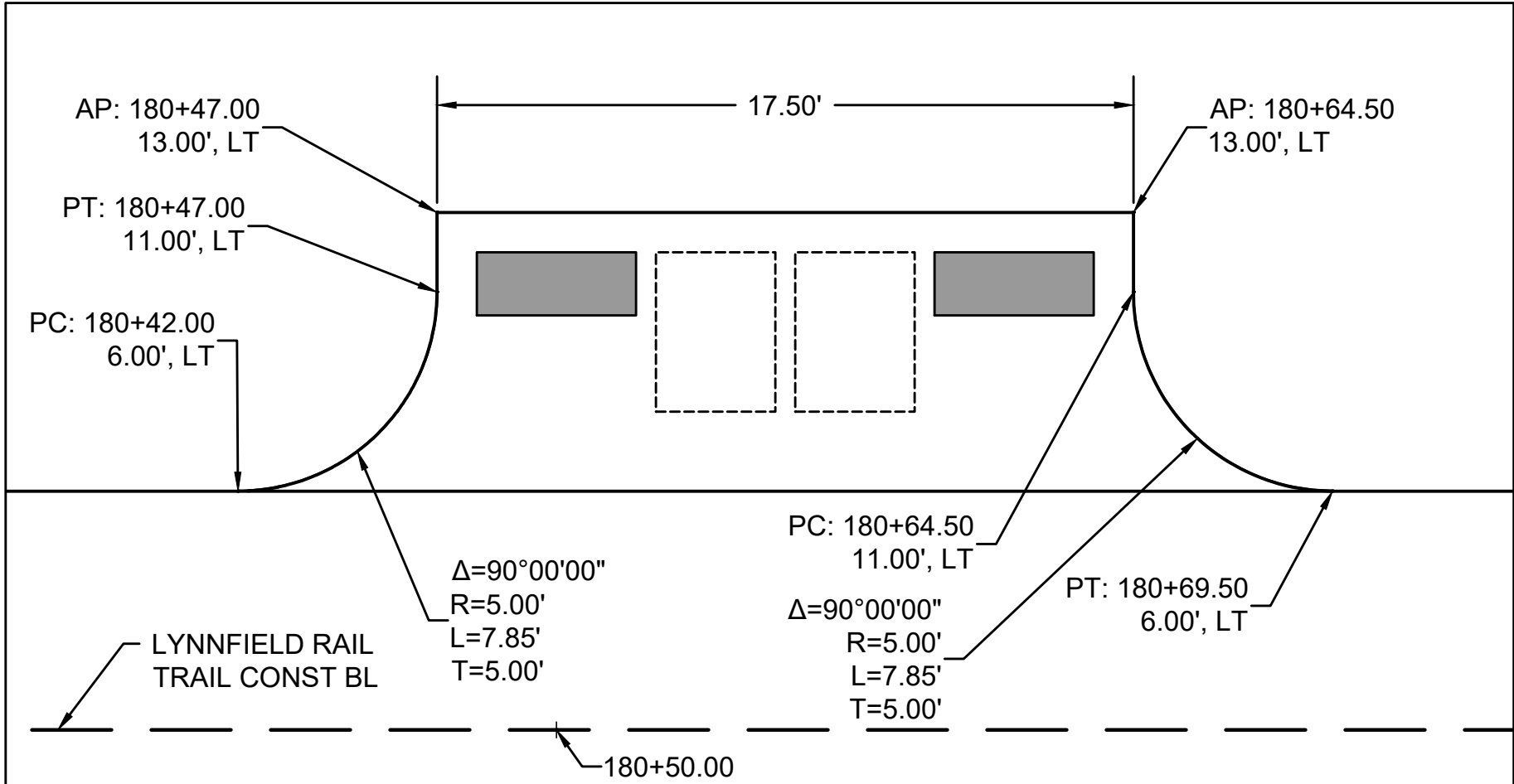
1. STATIONS AND OFFSETS ARE TAKEN AT THE GEOMETRIC CENTER OF THE TRAIL AMENITY, DEPICTED AS A DOT ON THE PLAN.
2. UNLESS OTHERWISE NOTED, TRAIL AMENITIES SHALL BE ORIENTED PARALLEL TO THE EDGE OF THE PROPOSED SHARED-USE PATH SURFACE.
3. TRAIL AMENITIES SHALL BE INSTALLED AT LEAST 2-FEET FROM THE EDGE OF THE SHARED-USE PATH PAVEMENT, AS SHOWN ON THE PLANS.

TRAIL AMENITY SCHEDULE				
NAME	STATION	OFFSET	SITE FEATURE TYPE	
O	180+50	11.21', LT	GRANITE SEAT WALL	
P	180+54	10.00', LT	ADA ACCESSIBLE COMPANION SEATING AREA	
Q	180+57.50	10.00', LT	ADA ACCESSIBLE COMPANION SEATING AREA	
R	180+61.50	11.21', LT	GRANITE SEAT WALL	

LYNNFIELD
RAIL TRAIL CONSTRUCTION

STATE	FED. AID PROJ. NO.	SHEET NO.	TOTAL SHEETS
MA	STP-0034(033)X	47	128
PROJECT FILE NO. 613163			

TRAIL AMENITY PLAN
PART 3 OF 3



BENCH PAD TIE DETAIL

NOT TO SCALE

MBTA ROW (VAL V.7.3/4)

DENSE TREES

PROP GRANITE SEAT WALL
(TYP. 2 THIS LOCATION)
PROP CEM CONC SIDEWALK
AT TRAILHEAD AREA
LYNNFIELD RAIL
TRAIL CONST BL

DENSE TREES

DENSE TREES

180

181

182

RR TRACKS

STONE WALL

DENSE TREES

MBTA ROW (VAL V.7.3/4)

N/F
MASSACHUSETTS BAY
TRANSPORTATION AUTHORITY
BK/PG 6311/392

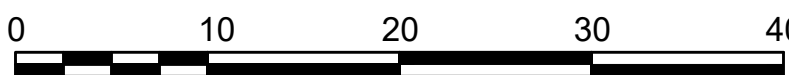
DENSE TREES

N/F
CHILDREN'S BOURQUE ROAD TRUST
DICESARE ELIZABETH N. TR.
BK/PG 23983/289
28 READ WESTOVER DRIVE
MAP 30 PARCEL 975

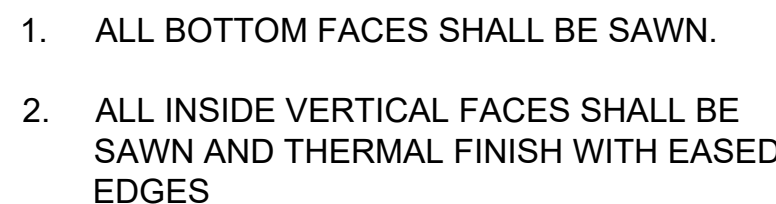
DITCH

WETLAND BOUNDARY LINE BY
AERIAL INTERPRETATION

N/F
CHILDREN'S BOURQUE ROAD TRUST
CERT. 78177
125 BOURQUE ROAD
MAP 30 PARCEL 1075



SCALE: 1" = 10'

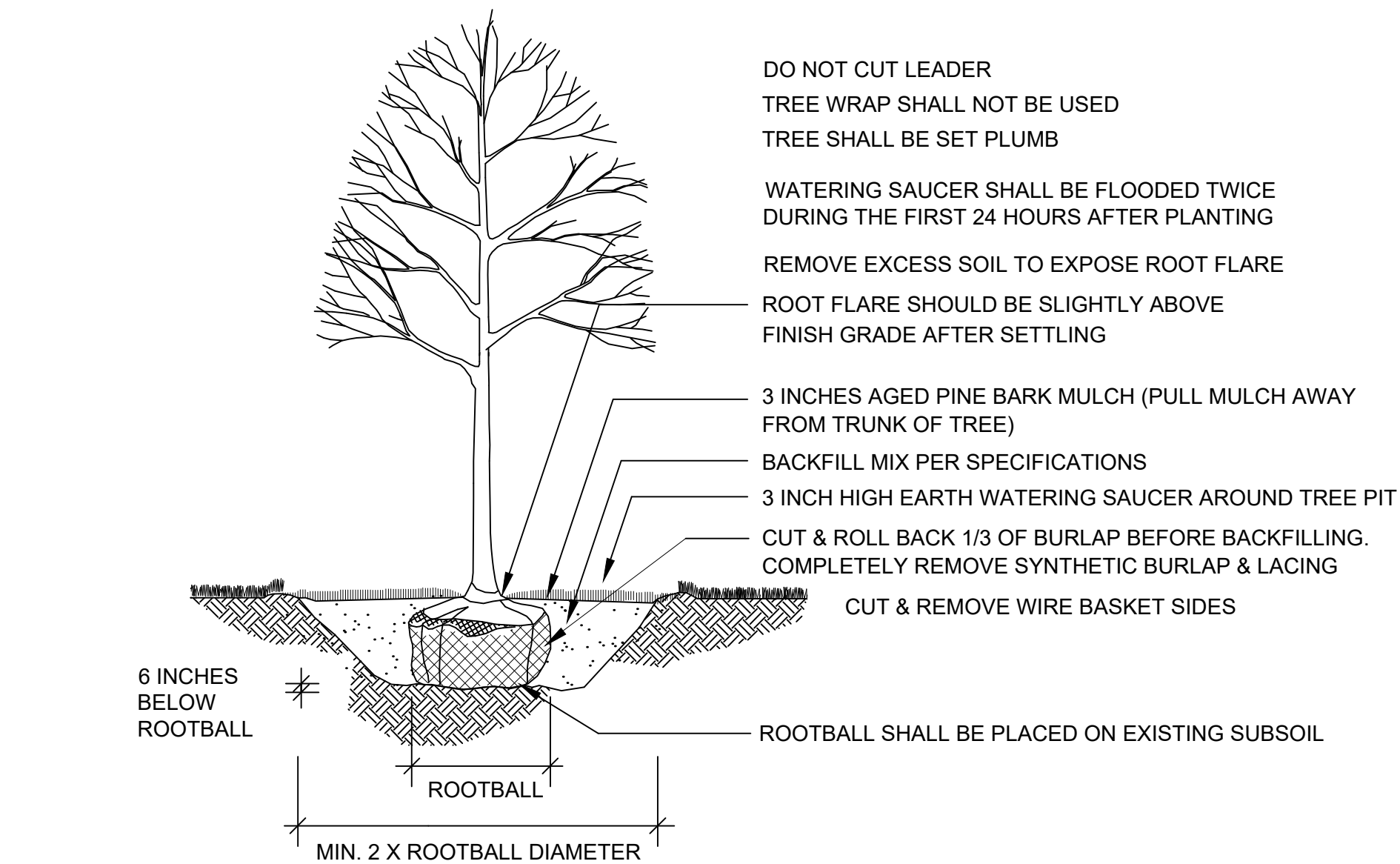


*STATIONING IS APPROXIMATE.
CONTRACTOR SHALL VERIFY
LOCATIONS PRIOR TO INSTALLATION



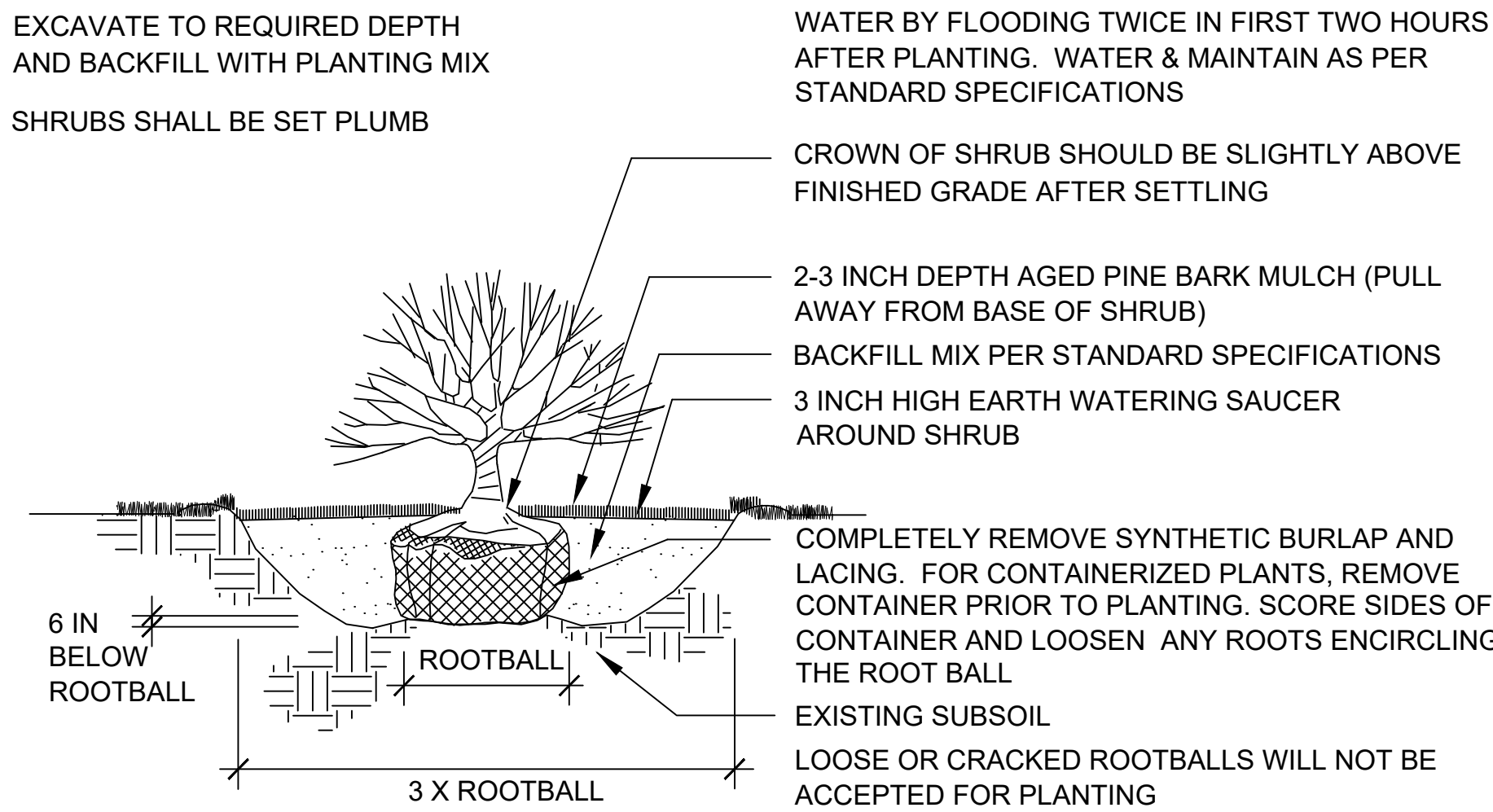
TRAIL AMENITY DETAILS

PART 1 OF 2



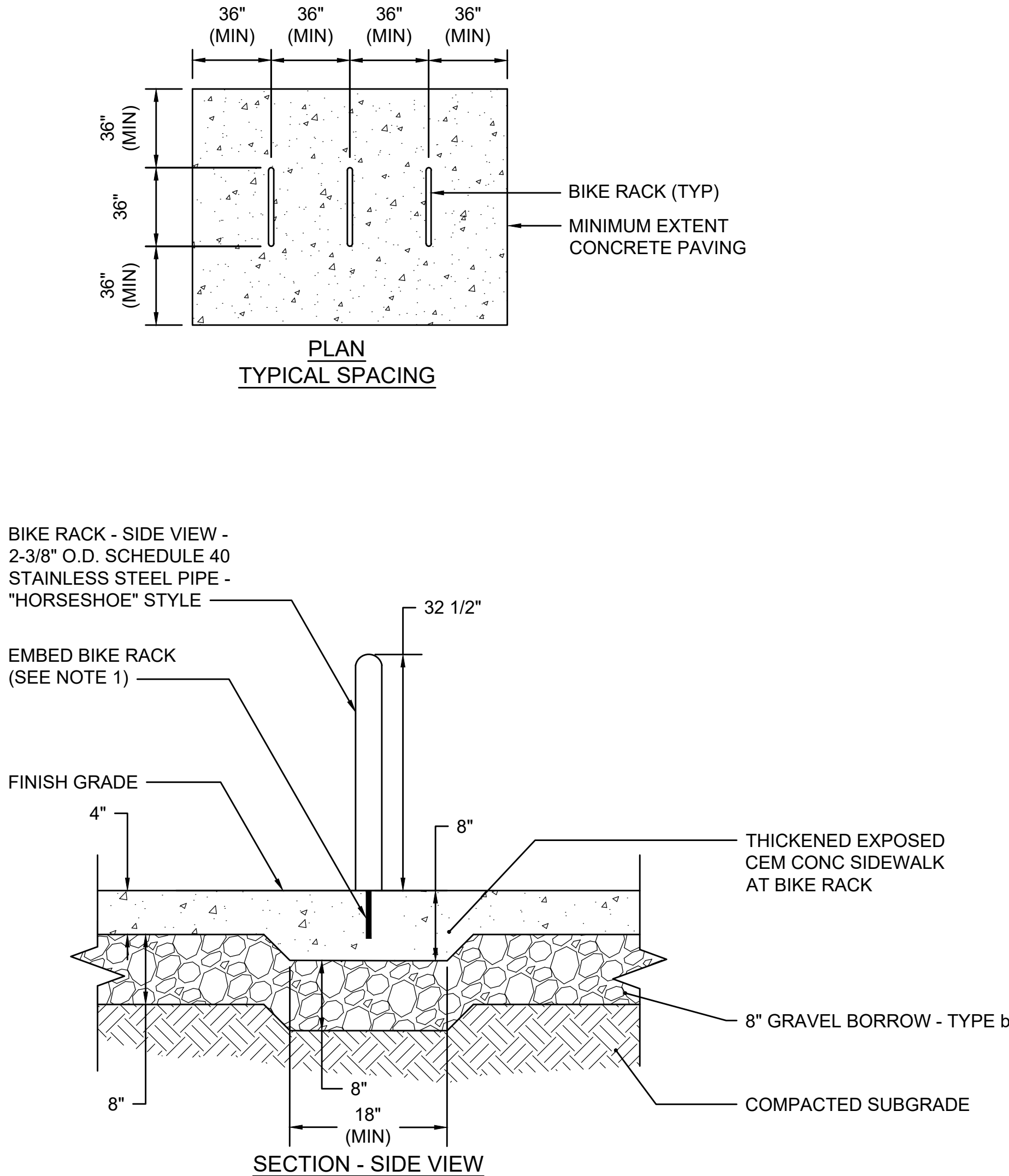
DECIDUOUS TREE PLANTING

NOT TO SCALE



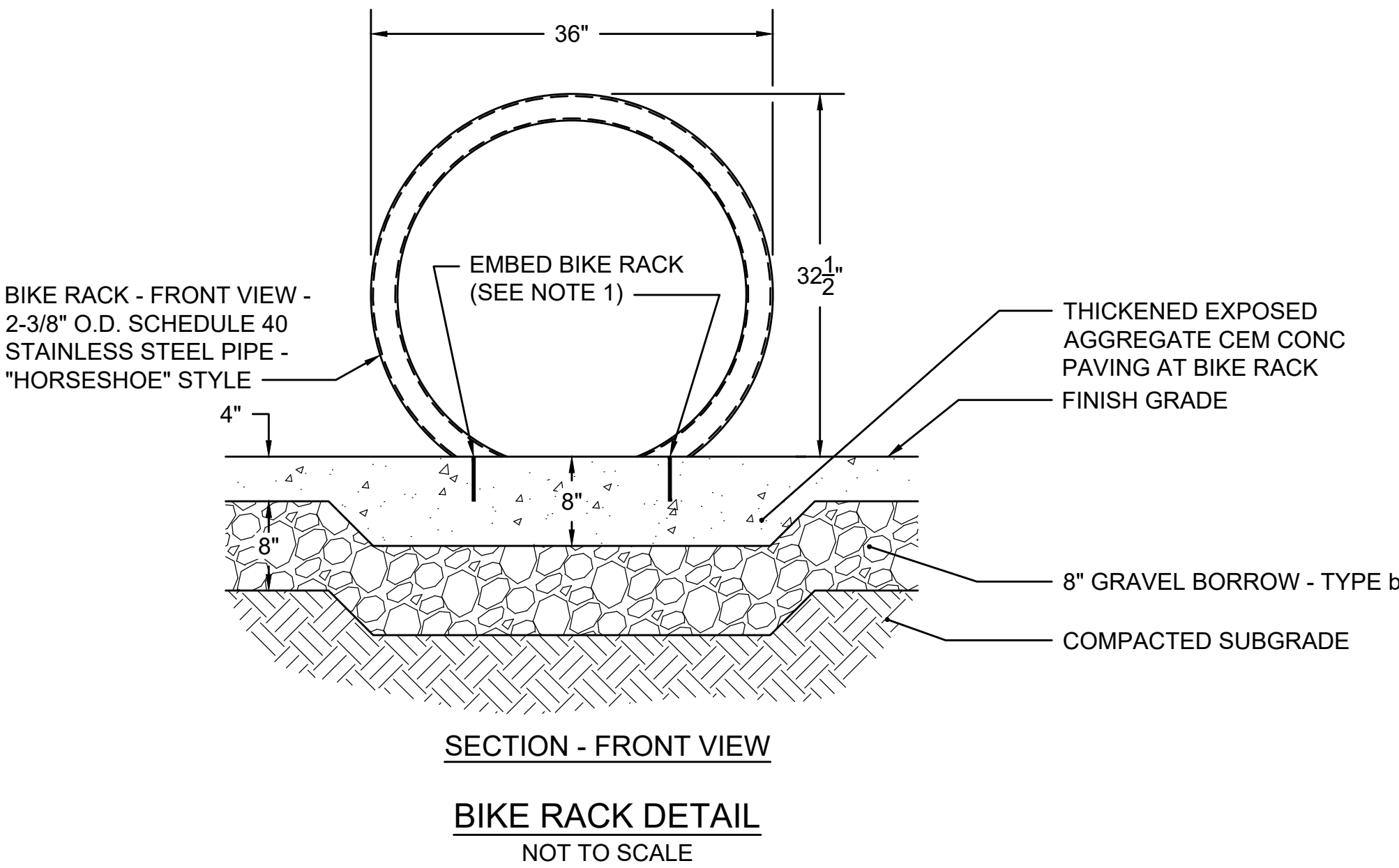
SHRUB PLANTING

NOT TO SCALE

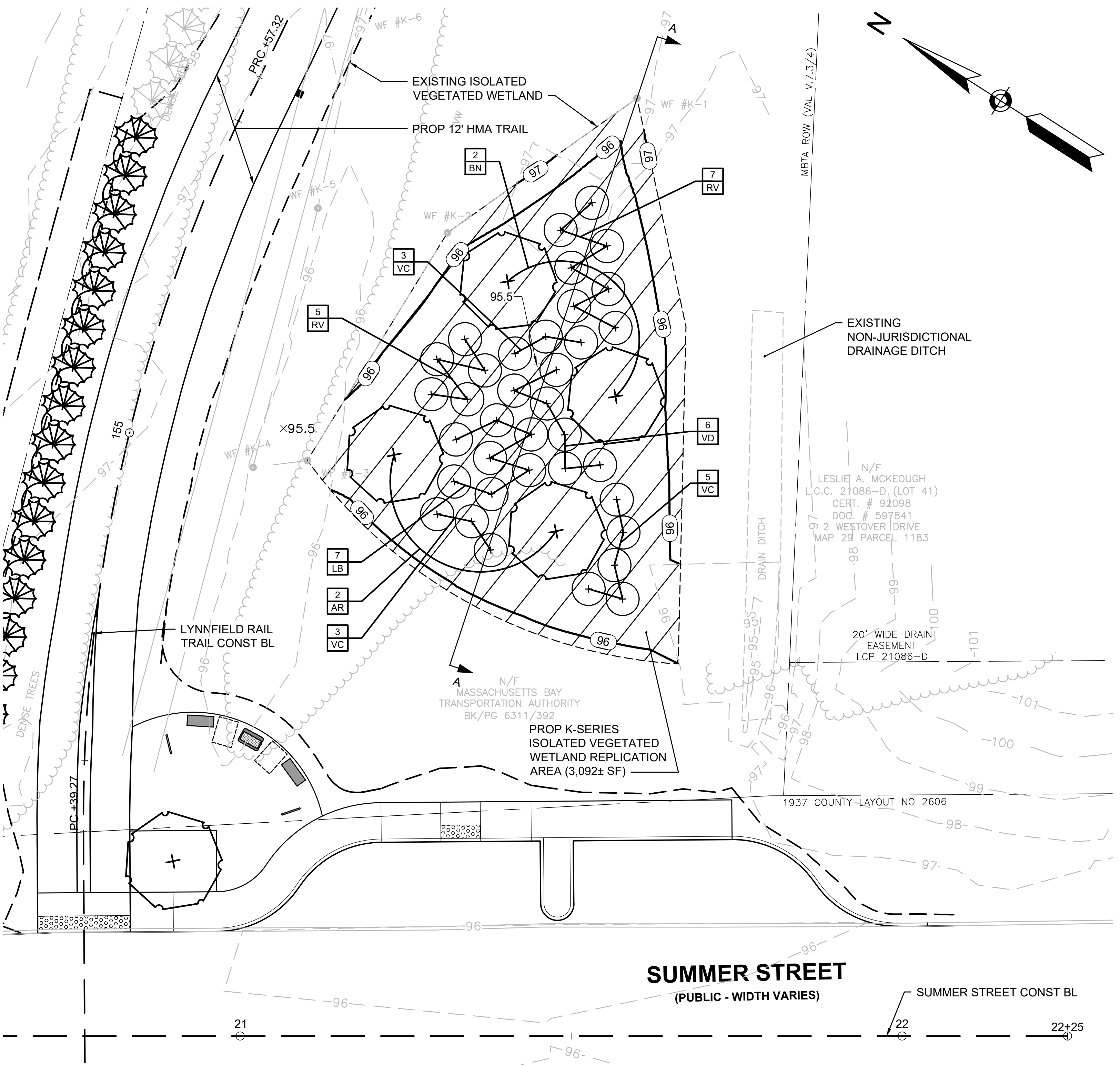


NOTE:

1. INSTALL IN ACCORDANCE WITH MANUFACTURER'S RECOMMENDATIONS



* TOLERANCE FOR CONSTRUCTION ±0.5% (TYP.)

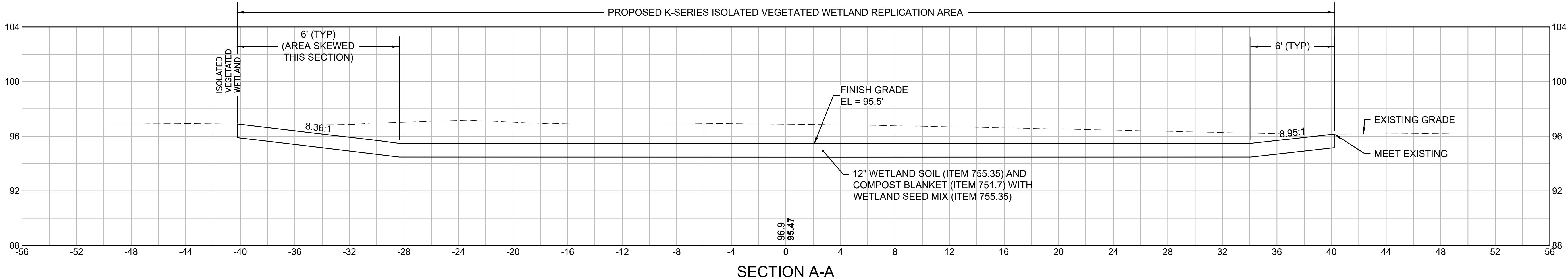
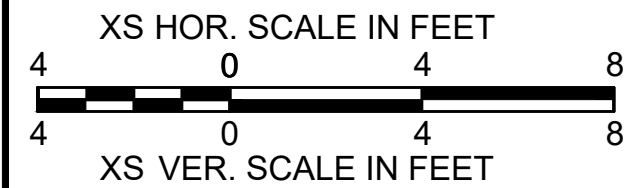


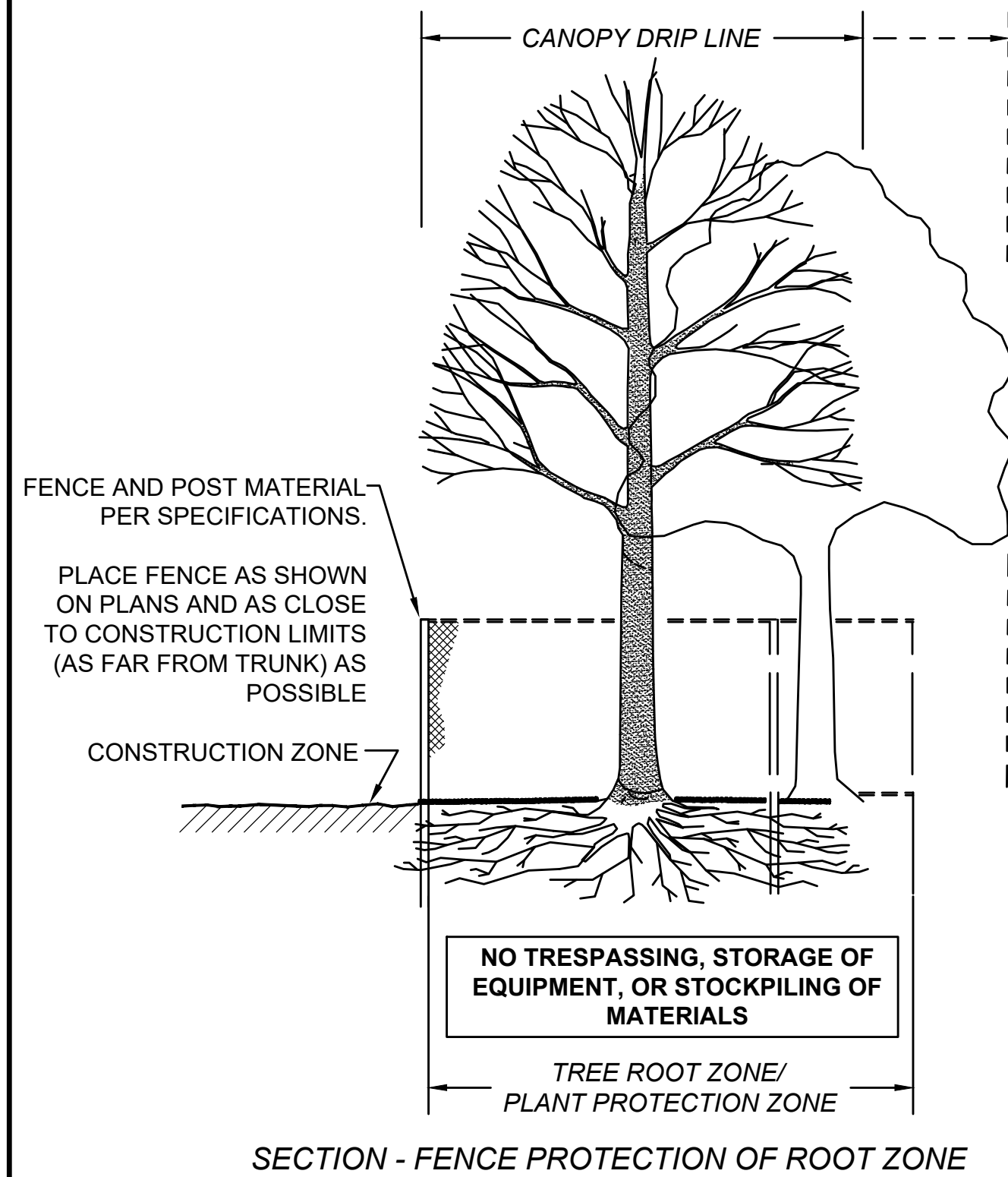
WETLAND REPLICATION/RESTORATION NOTES:

- ALL WETLAND REPLICATION/RESTORATION SHALL BE CONDUCTED UNDER THE SUPERVISION AND DIRECTION OF THE PROJECT WETLAND SPECIALIST.
- AREAS OF TEMPORARY WETLAND ALTERATION ASSOCIATED WITH THE PROPOSED CONSTRUCTION, WILL BE RESTORED IN-KIND AT THE DIRECTION OF THE SUPERVISING WETLAND SCIENTIST BY RESTORING NATURAL WETLAND SOIL PROFILES (WHERE NEEDED) AND SEEDING WITH FACW MEADOW MIX.
- WETLAND REPLICATION AREA SHALL BE CONSTRUCTED IN ACCORDANCE WITH ITEM 755.35 OF THE SPECIAL PROVISIONS. EXCAVATE EXISTING SOIL TO TARGET ELEVATIONS. IF EXISTING SUBSOIL IS DETERMINED TO BE UNSUITABLE FOR PLANTING, EXCAVATE TO DEPTH NECESSARY FOR PLANTING AND BACKFILL WITH APPROPRIATE MANUFACTURED SOIL. BACKFILL SHALL BE INSTALLED AS PER MASSDOT STANDARD SPECIFICATIONS.
- FOLLOWING WETLAND SOIL PLACEMENT, THE WRA SHALL BE PLANTED WITH THE SAPLING TREES AND SHRUBS SPECIFIED HEREIN, AND SEEDED WITH FACW MEADOW MIX.
- SEEDED AREAS SHALL BE STABILIZED VIA HYDRO-SEEDING, STRAW MULCH, AND/OR EROSION CONTROL BLANKETS AT THE DIRECTION OF THE WETLAND SPECIALIST.
- SEE SHEET 49 FOR PLANTING DETAILS.

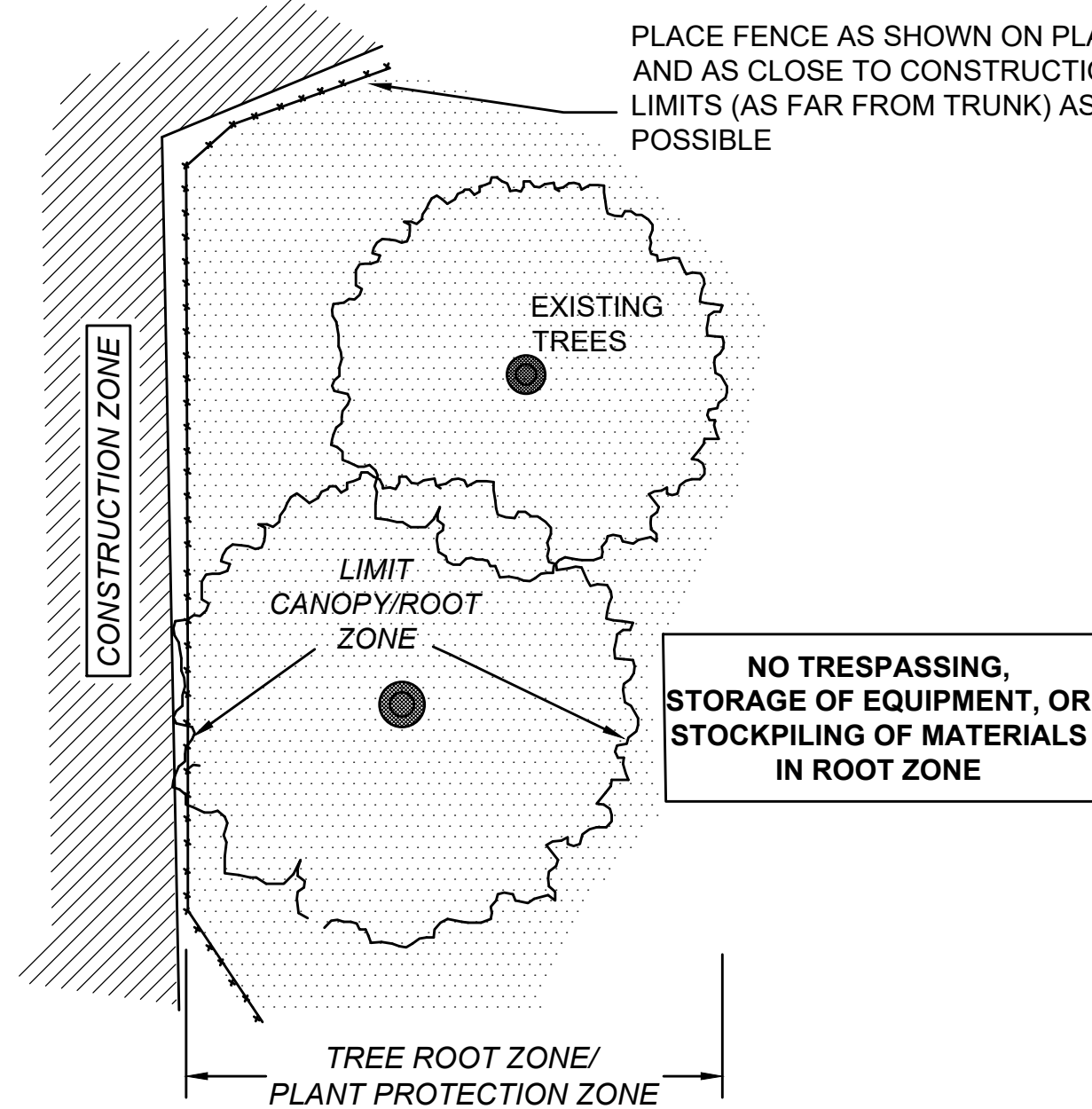
WETLAND REPLICATION AREA PLANTING SCHEDULE*					
QTY	ID	BOTANICAL NAME	COMMON NAME	SIZE	COMMENT
TREES					
2	AR	ACER RUBRUM	RED MAPLE	1"-1.5" CALIPER	B&B
2	BN	BETULA NIGRA	RIVER BIRCH	1"-1.5" CALIPER	B&B
SHRUBS					
11	VC	VACCINIUM CORYMBOSUM	HIGHBUSH BLUEBERRY	2'-3' HT.	
6	VD	VIBURNUM DENTATUM	ARROWWOOD	2'-3' HT.	
12	RV	RHODODENDRON VISCOSUM	SWAMP AZALEA	2'-3' HT.	
7	LB	LINDERA BENZOIN	SPICEBUSH	2'-3' HT.	

* FOR TRAIL AMENITY AREA PLANTINGS SEE SHEET 46





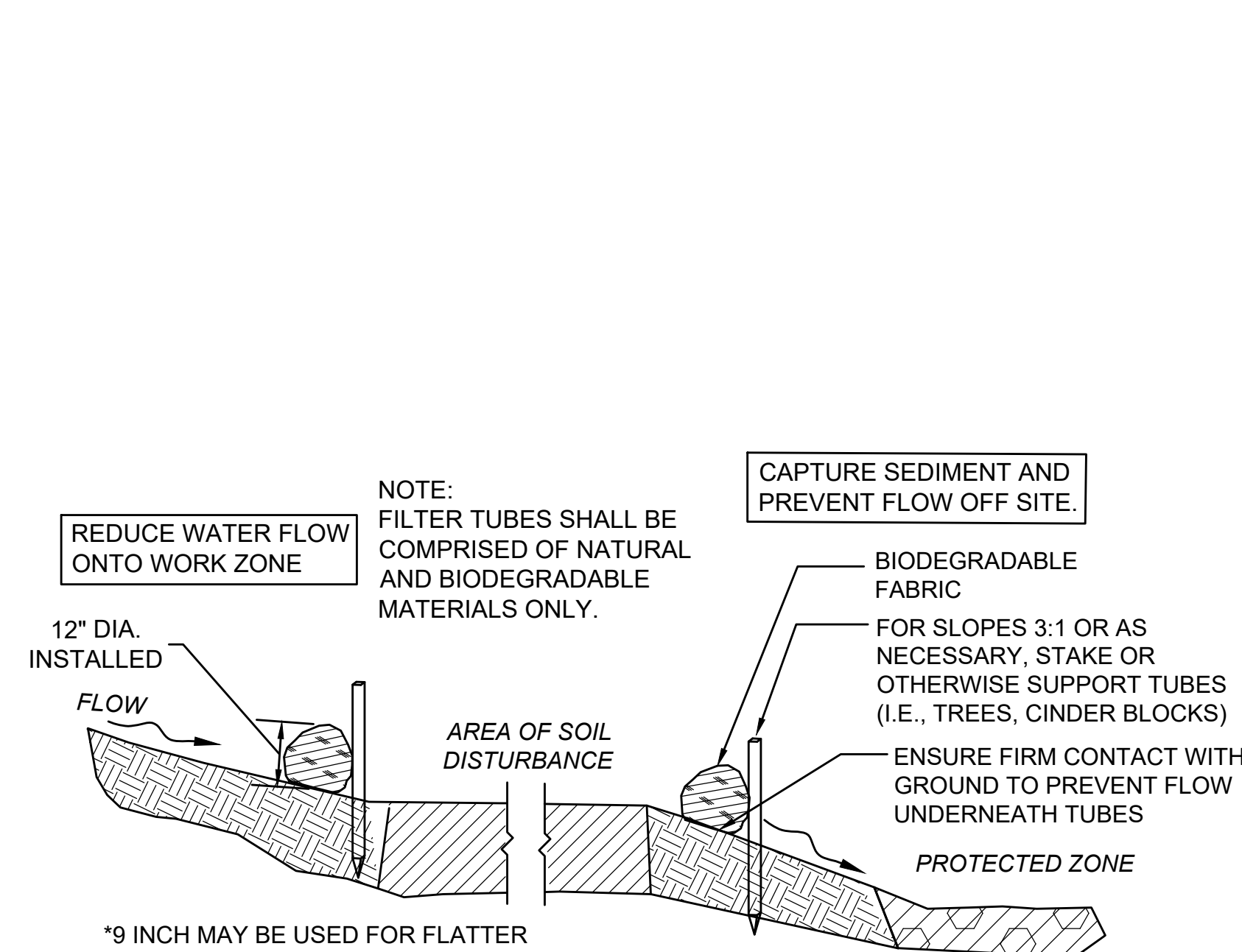
SECTION - FENCE PROTECTION OF ROOT ZONE



PLAN VIEW - FENCE PROTECTION OF ROOT ZONE

TREE PROTECTION - ROOT ZONE

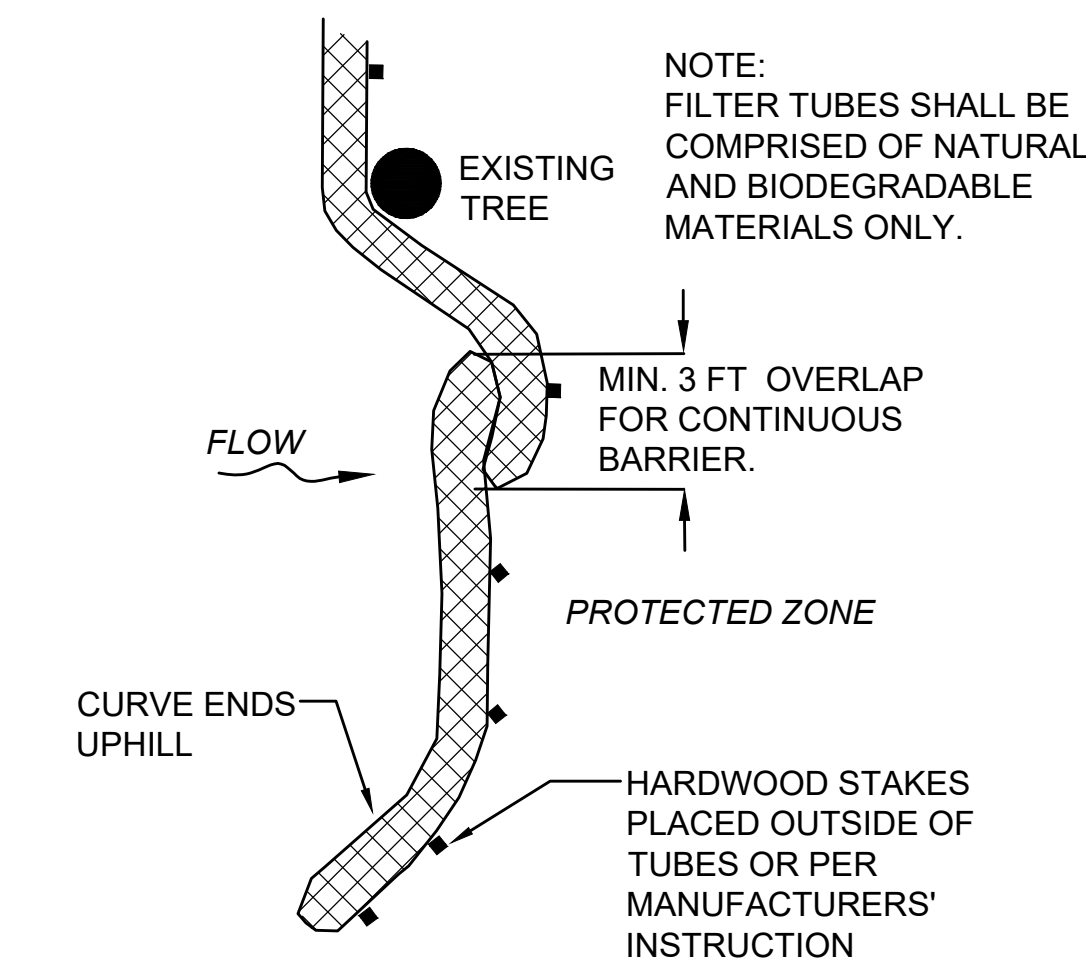
NOT TO SCALE



SECTION

SEDIMENT BARRIERS - COMPOST FILTER TUBES

NOT TO SCALE



PLACE TUBE ALONG CONTOURS AND PERPENDICULAR TO FLOW.

PLACE AS CLOSE TO LIMIT OF SOIL DISTURBANCE AS POSSIBLE

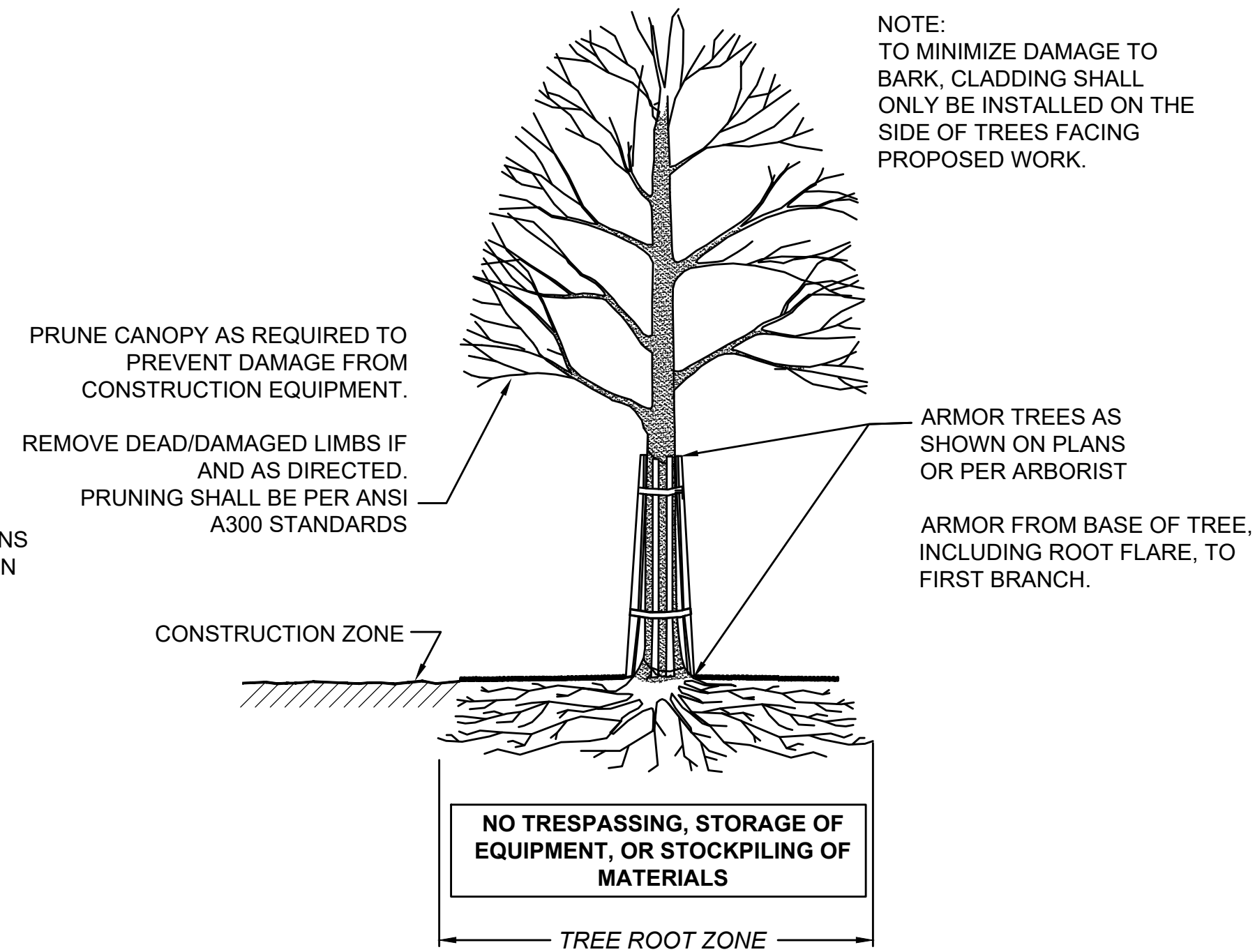
ADJUST LOCATION AS REQUIRED FOR OPTIMUM EFFECTIVENESS. DO NOT INSTALL IN WATERWAYS.

PLACE STAKES AS NEEDED TO SECURE TUBES IN PLACE.

PLAN VIEW

SEDIMENT BARRIERS

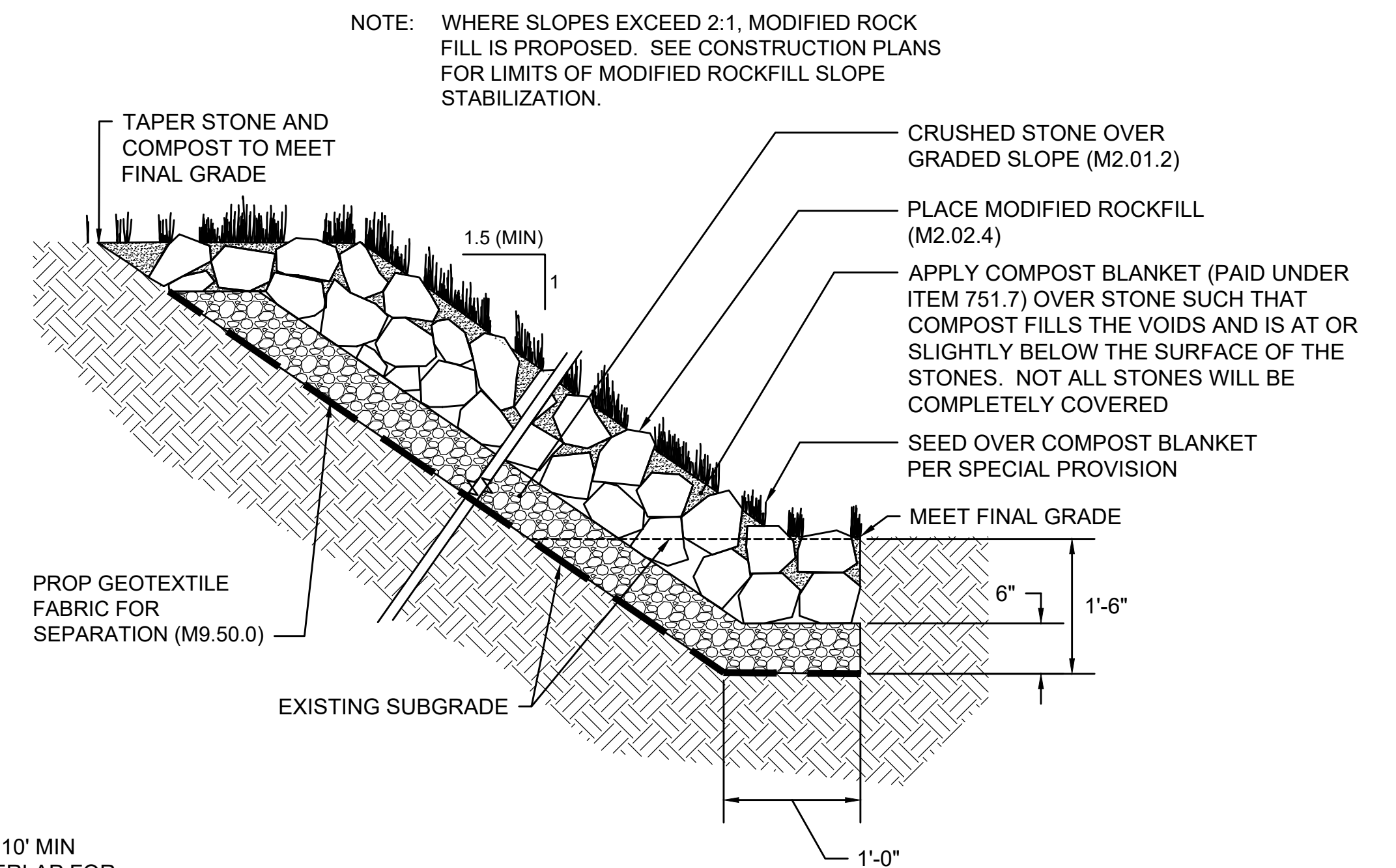
NOT TO SCALE



SECTION - TRUNK ARMORING & PRUNING

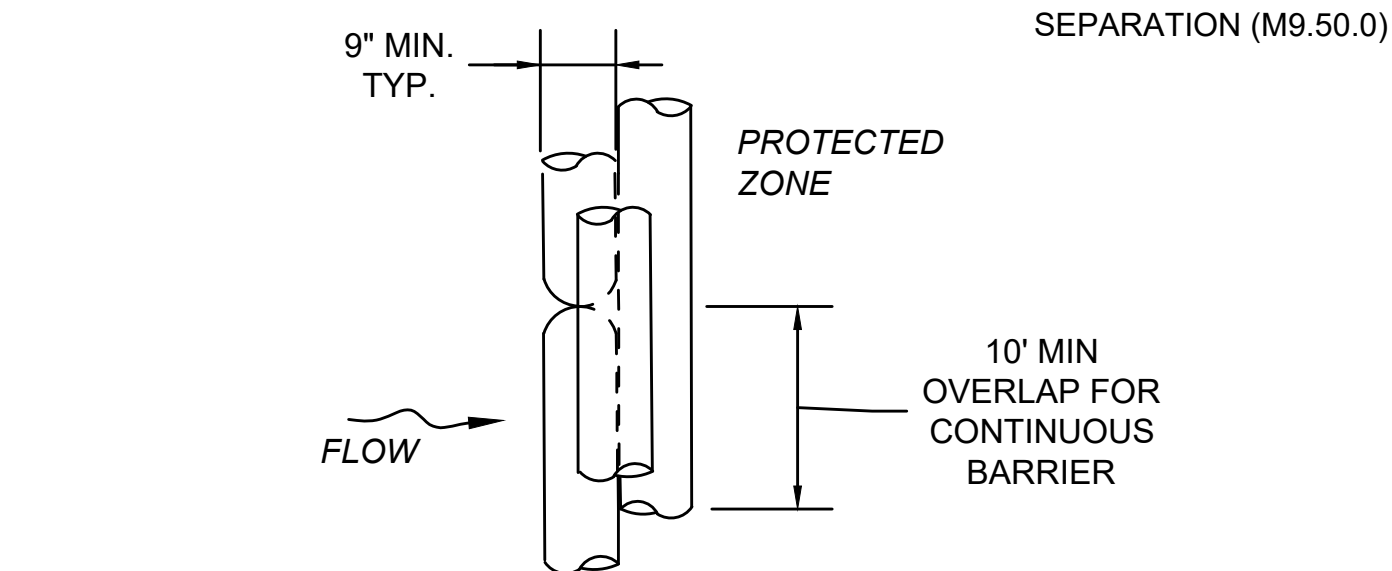
TREE PROTECTION - TRUNK

NOT TO SCALE

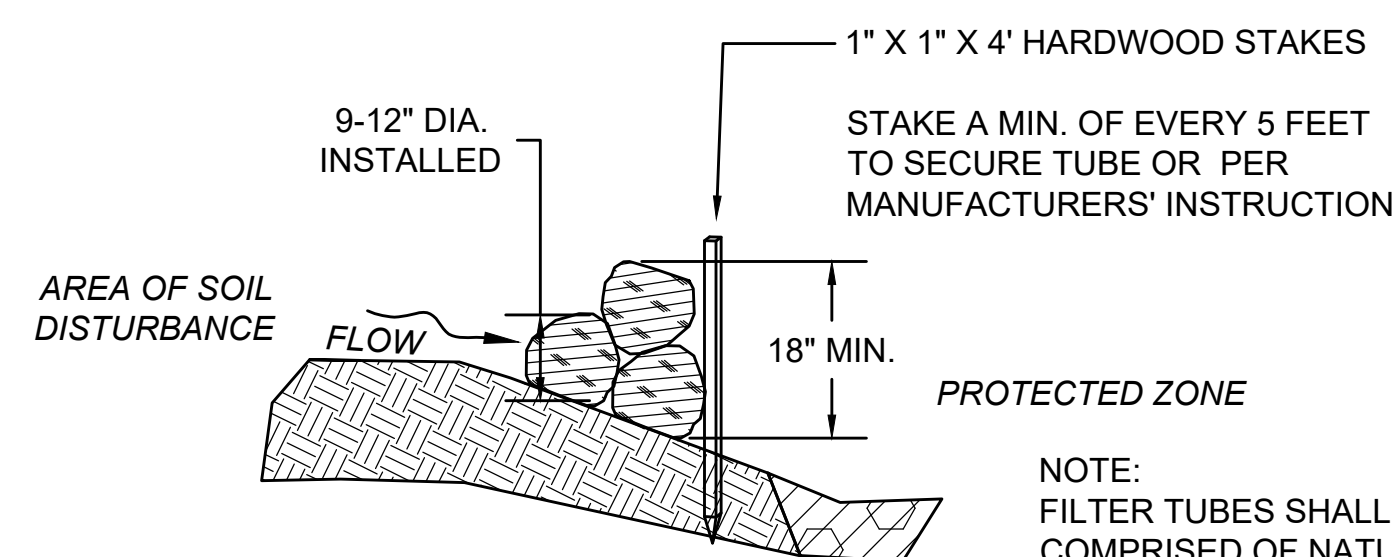


COMPOST AND SEED OVER MODIFIED ROCKFILL DETAIL

NOT TO SCALE



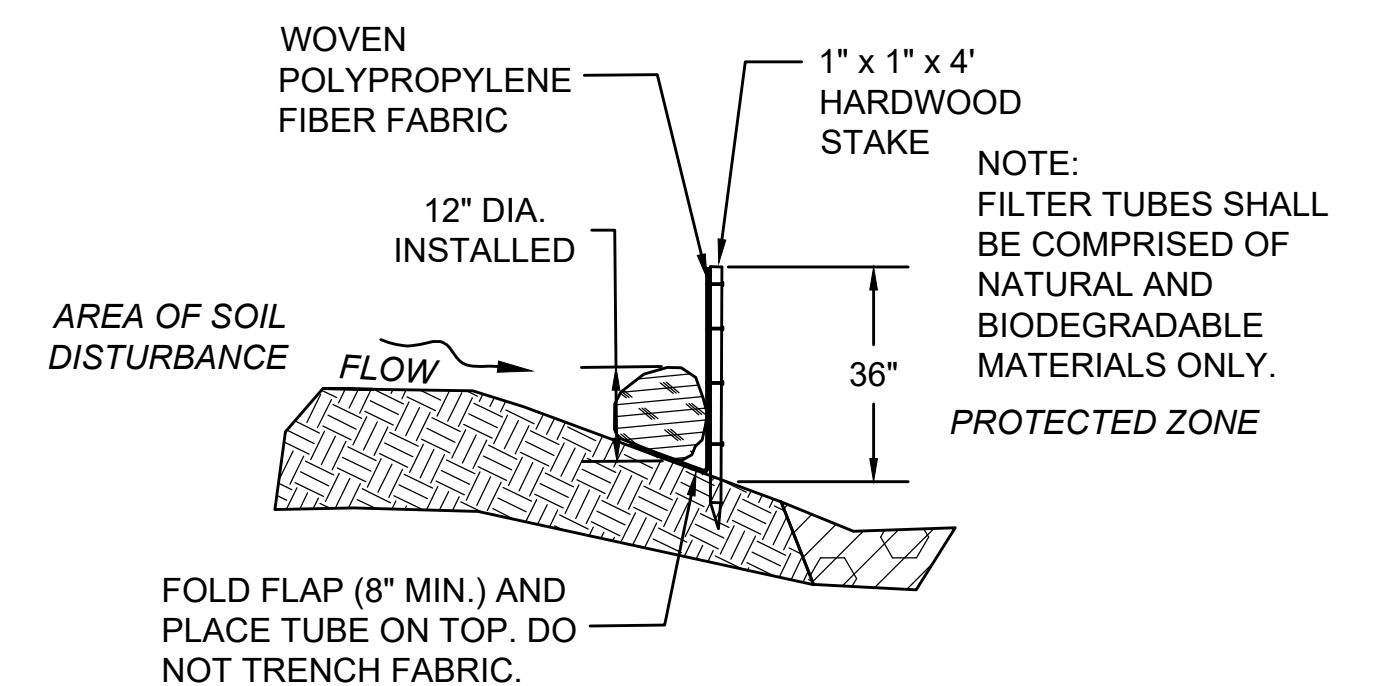
PLAN VIEW



SECTION

COMPOST FILTER TUBE BERM (SLOPES 2:1 OR STEEPER)

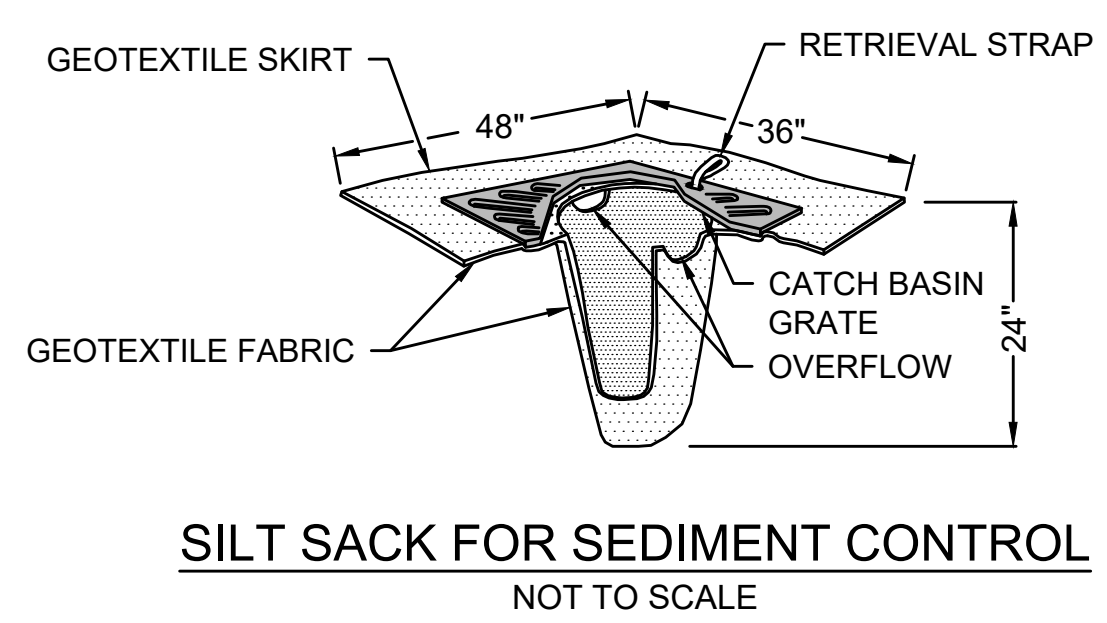
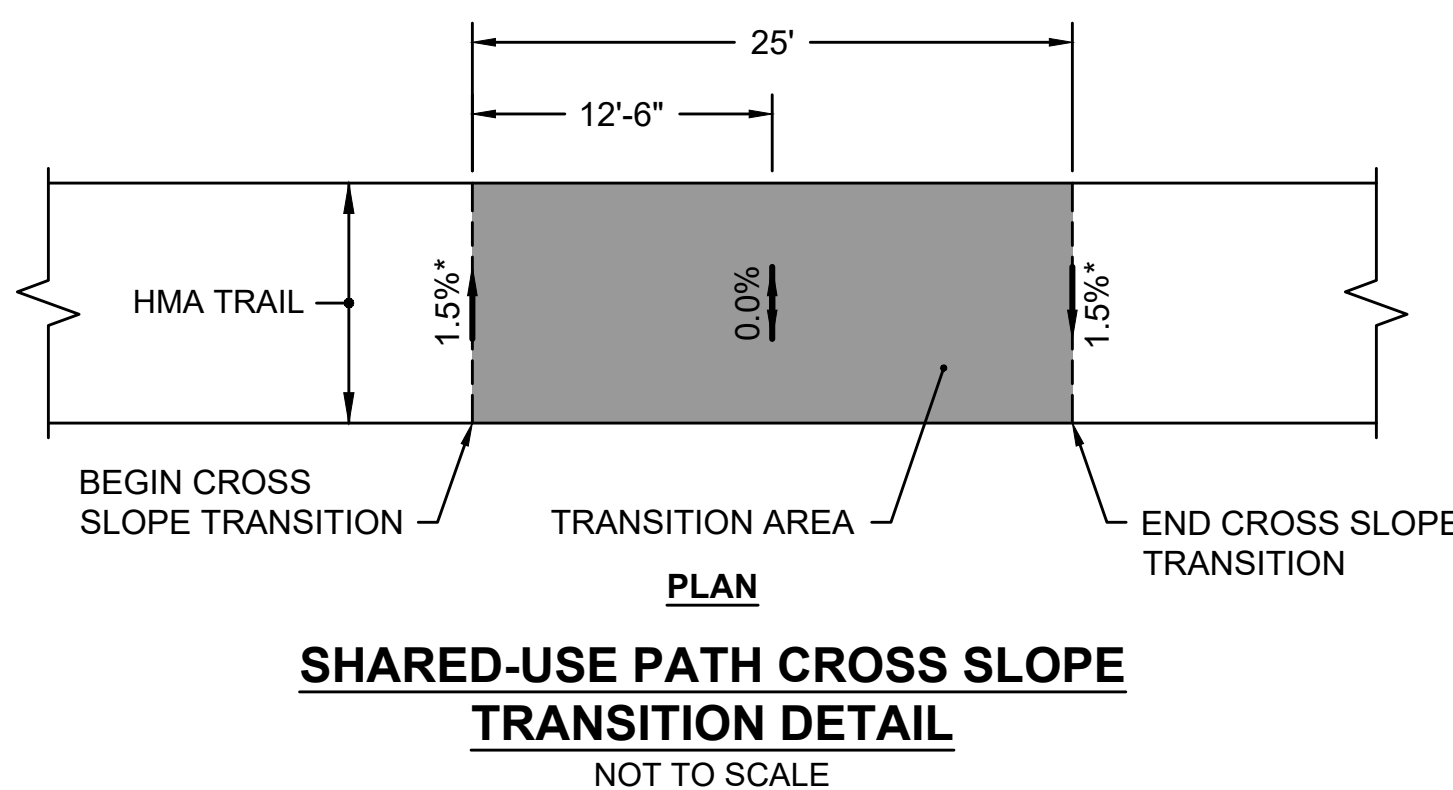
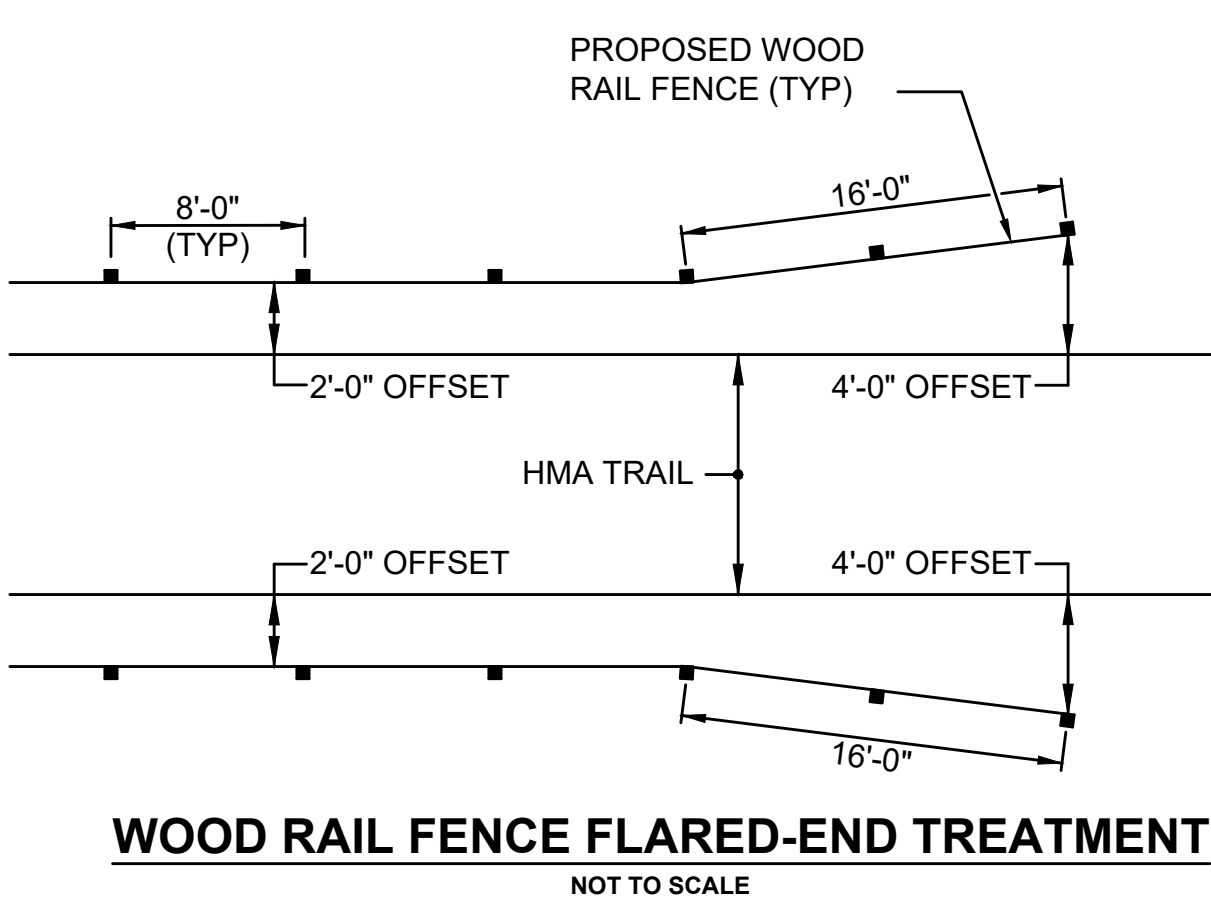
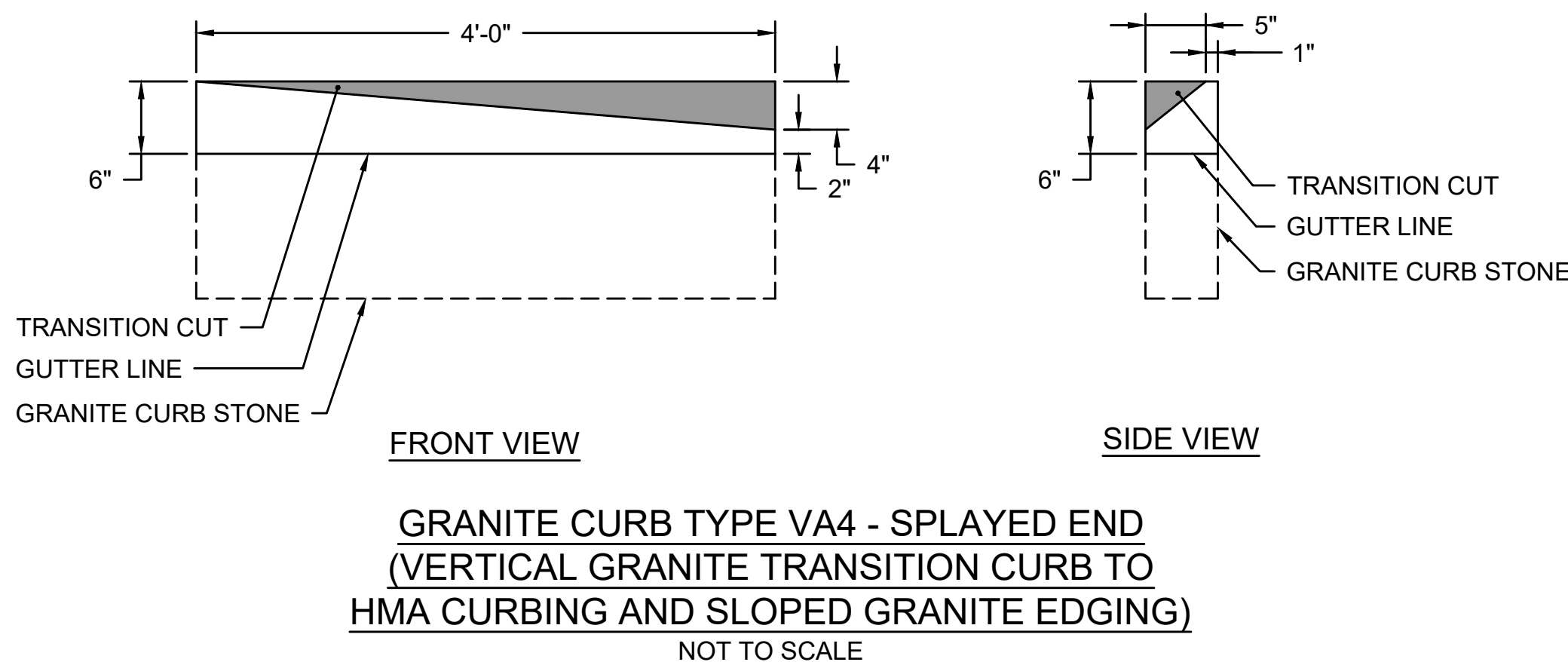
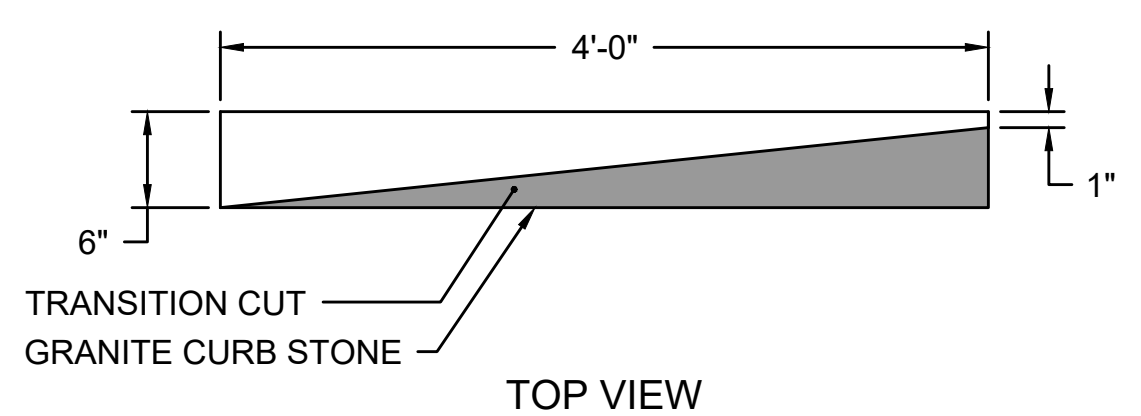
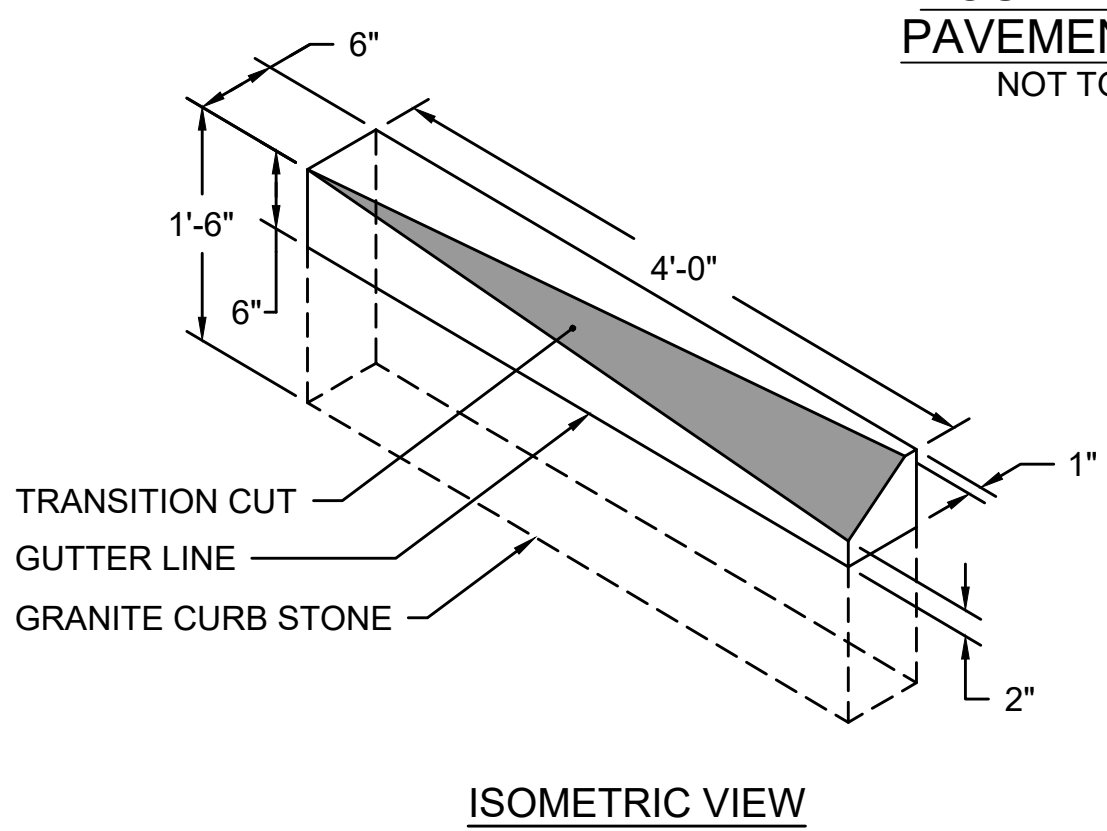
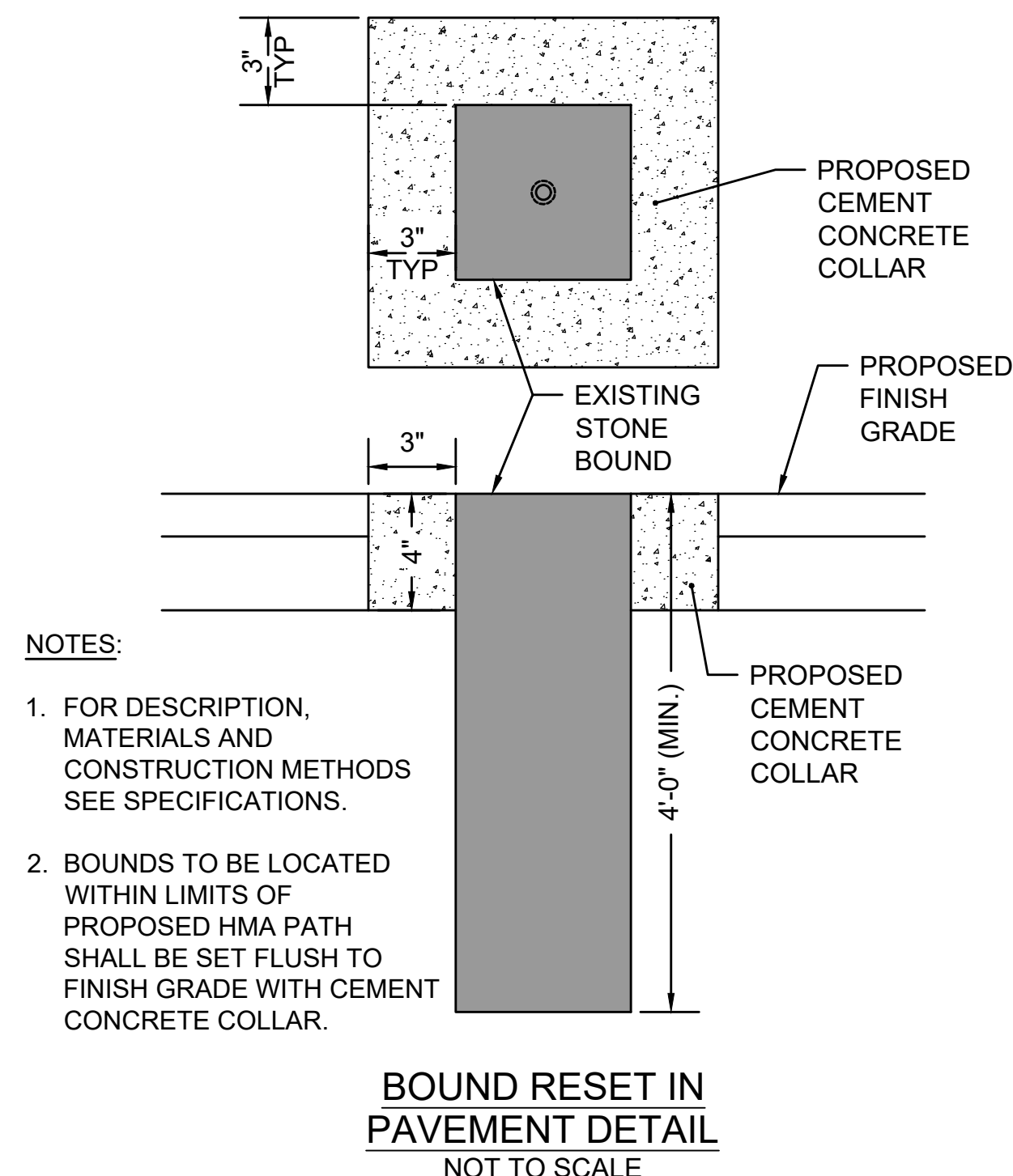
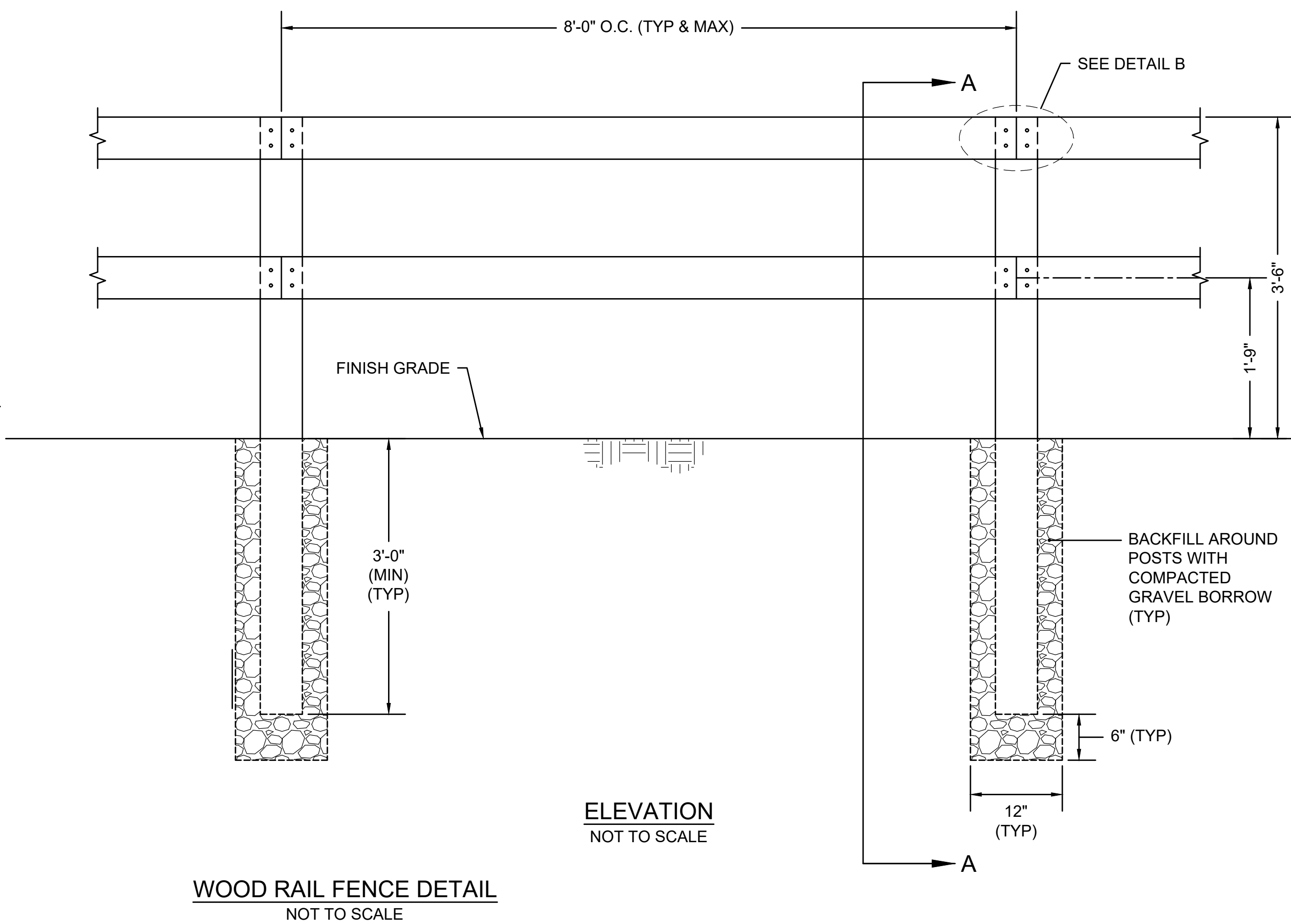
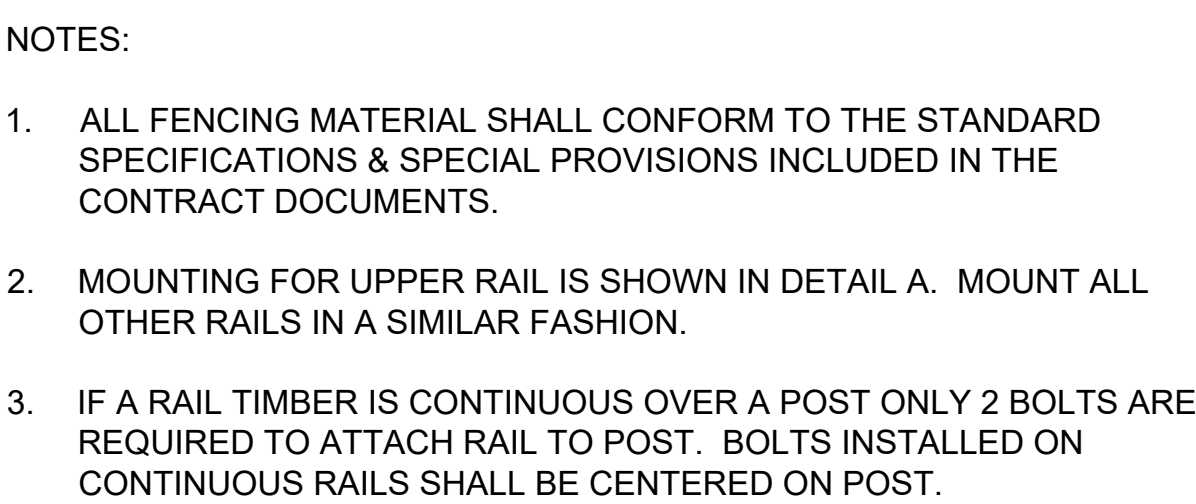
NOT TO SCALE



SECTION

COMPOST FILTER TUBE & SILT FENCE

NOT TO SCALE



TRAIL PAVEMENT, SEE PAVEMENT NOTES SHEET 6

6'-0"

1.5"

EXISTING ROAD

DETECTABLE WARNING PANEL

6" CEMENT CONCRETE

NOTES:

1. ALL DETECTABLE WARNING PANELS (PROJECT WIDE) SHALL BE MOUNTED IN CEMENT CONCRETE.
2. DETECTABLE WARNING PANELS SHALL CONFORM TO MASSDOT STANDARD DETAIL 701.2.1.
3. DETECTABLE WARNING PANELS, AS SHOWN, SHALL BE PROVIDED AT ALL INTERSECTING ROADWAYS THAT DO NOT HAVE AN EXISTING SIDEWALK. INTERSECTING ROADWAYS WITH AN EXISTING SIDEWALKS SHALL HAVE A PEDESTRIAN CURB RAMP AS SHOWN ON THE PLANS.

2' IMPRINT SYSTEM - MEDIAN TEXTURED PAVEMENT

6' HMA TRAIL

6' HMA TRAIL

PROP FULL DEPTH TRAIL PAVEMENT (SEE SHEET 6)

[illegible]

D3 - STREET SIGN INSTALL WITH STREET HOLDING CAP (AS REQUIRED)

SIGN AND COPY VARIES

P-5 POST

3'-0" MIN

BIKEWAY

SHLD

7'-0" (MIN)

4'-0"

NOTES:

1. SEE MASSDOT STANDARD DRAWING TR.1.3 FOR P-5 POST INSTALLATION.
2. SIGN OFFSET AND MOUNTING HEIGHT SHOWN FOR SIGNS INSTALLED ALONG BIKEWAY

FULL DEPTH CURB SETTING PVMT
(SEE PVMT NOTES SHEET 6)

SAWCUT

EXIST PVMT

CEMENT CONCRETE
(SEE NOTE 1)

6" MIN

12" TYP

PROP GRANITE CURB, TYPE VB

PROP SURFACE

6" MIN

GRAVEL BORROW, TYPE b

1. SEE MASSDOT STANDARD DRAWING TR.1.3 FOR P-5 POST INSTALLATION.
2. SIGN OFFSET AND MOUNTING HEIGHT SHOWN FOR SIGNS INSTALLED ALONG BIKEWAY REFER TO MASSDOT STANDARD DRAWINGS FOR ROADSIDE SIGN INSTALLATIONS.

15' (TYP)

CROSSWALK ILLUMINATOR

2' (MIN) TO FACE OF CURB

W11-15 SIGN (TYP, SEE SPECIAL PROVISIONS) (FACING EACH DIRECTION OF TRAFFIC)

DUAL RECTANGULAR YELLOW LED BEACONS IN NEMA ENCLOSURE (FACING EACH DIRECTION OF TRAFFIC)

W16-7p SIGN

R10-25 SIGN

APS PUSHBUTTON

TRAFFIC SIGNAL POST & PEDESTAL

SEE DETAIL A

< 6' (RECOMMENDED) (FACING EACH DIRECTION OF TRAFFIC)

< 10' (MAX) TO FACE OF CURB

10" (MAX) FOR SIDE REACH

1" (MAX) x 45° CHAMFER (TYP)

6' (MIN)

4"

1'-8"

SB

NB

TRAVEL WAY

CURB

1.5%* (MAX)

ADA-COMPLIANT SURFACE

CEMENT CONCRETE FOUNDATION

NOTES:

1. CROSSWALK AND ADA-COMPLIANT RAMPS NOT SHOWN. SEE PLANS FOR LOCATIONS.
2. REFER TO THE SPECIAL PROVISIONS FOR SIGN DIMENSIONS.
3. ACCESS TO ALL PEDESTRIAN ACTUATED CONTROLS SHALL BE ADA/AAB COMPLIANT.
4. *0.5% CONSTRUCTION TOLERANCE FOR CROSS-SLOPE.

MAJOR ITEMS LIST

2	CEMENT CONCRETE FOUNDATIONS PER 812.30.1
2	15' TRAFFIC SIGNAL POSTS & PEDESTALS
2	APS PUSHBUTTON SYSTEMS
4	DUAL RECTANGULAR YELLOW LED BEACONS IN NEMA ENCLOSURES
2	R10-25 SIGNS
4	W11-15 SIGNS
2	W16-7PR SIGNS
2	W16-7PL SIGNS
2	SOLAR PANEL SYSTEMS (NOT REQUIRED FOR AC POWER)
2	NEMA ENCLOSURES FOR ALL COMPONENTS NEEDED TO MEET FUNCTIONAL REQUIREMENTS PER SPECIAL PROVISIONS
2	BATTERY SYSTEMS (NOT REQUIRED FOR AC POWER)

PLUS ALL MOUNTING AND SUPPORTING HARDWARE AND WIRING NECESSARY TO COMPLETE A WORKING SYSTEM.

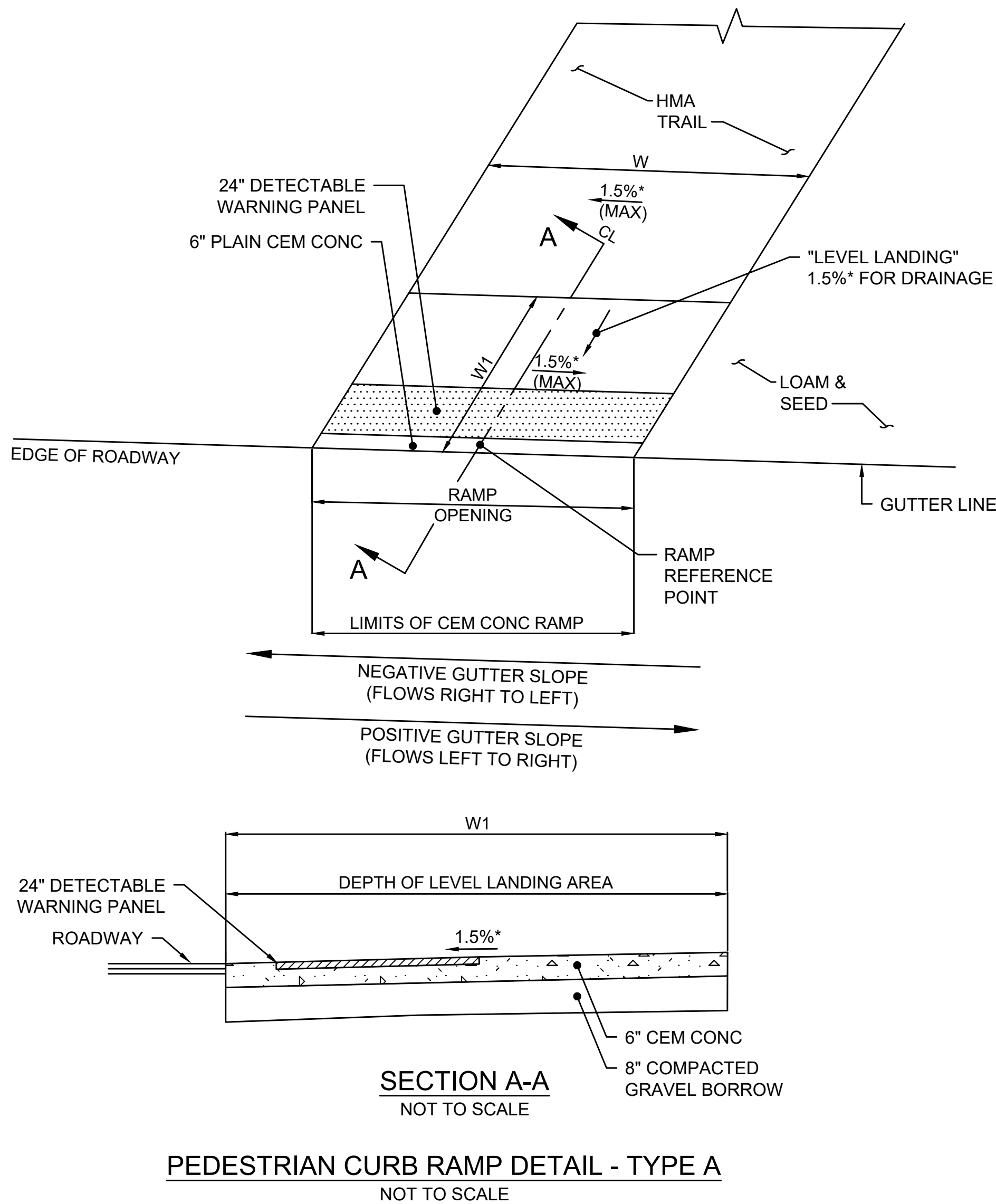
2" (MIN)

5" (MIN)

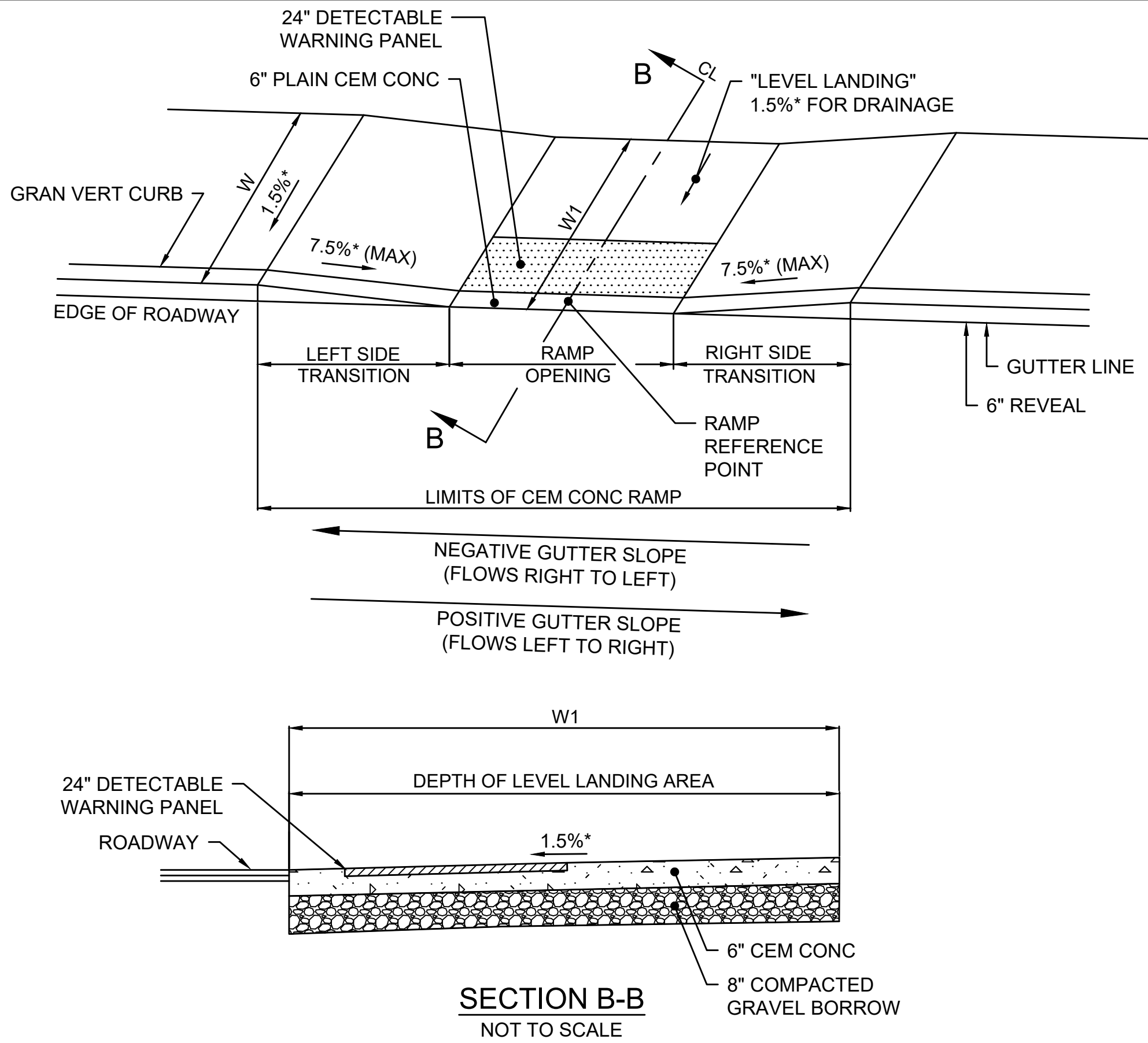
7" (MIN)

5" (MIN)

PILOT LIGHT
(IF REQUIRED)



PEDESTRIAN CURB RAMP DETAIL - TYPE A
NOT TO SCALE



PEDESTRIAN CURB RAMP DETAIL - TYPE B
NOT TO SCALE

- NOTES:
- FOR PCR NOS. 3, 4, & 5 AND DWY NOS. 1 & 2 SEE GRADING DETAIL ON SHEETS 56-57 AND CURB TIE PLAN ON SHEET 38.
 - PEDESTRIAN RAMPS SHALL BE CONSTRUCTED IN ACCORDANCE WITH MASSDOT CONSTRUCTION STANDARD DRAWING NUMBER 701.2.1, 701.2.2, 701.2.3, 701.2.4, 701.2.5, 701.2.6, 701.2.8 AND ADA/MA AAB REQUIREMENTS.
 - DETECTABLE WARNING PANELS ARE REQUIRED ON ALL PROPOSED PEDESTRIAN RAMPS AND ARE TO BE INSTALLED IN ACCORDANCE WITH CONSTRUCTION STANDARD DRAWING NUMBER 701.2.1. DETECTABLE WARNING PANELS SHALL BE PLACED PERPENDICULAR TO THE PATH OF TRAVEL AND NOT THE CURB LINE.
- * TOLERANCE FOR CONSTRUCTION ±0.5% (TYP.)

LYNNFIELD RAIL TRAIL CONSTRUCTION			
STATE	FED. AID PROJ. NO.	SHEET NO.	TOTAL SHEETS
MA	STP-0034(033)X	55	128
PROJECT FILE NO. 613163			

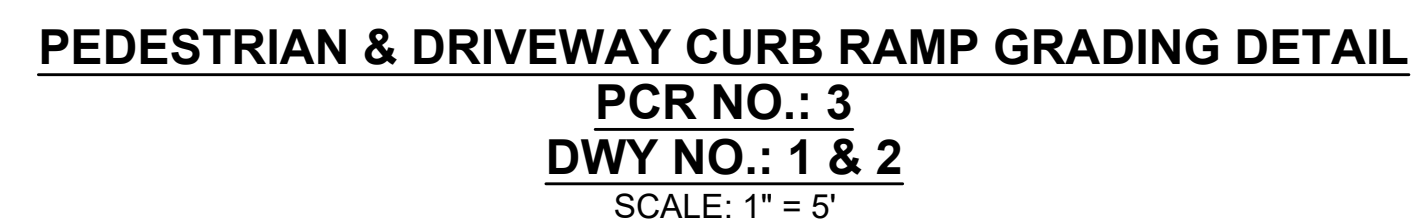
PEDESTRIAN CURB RAMP & DRIVEWAY DETAILS
PART 1 OF 3

PEDESTRIAN CURB RAMPS												
PCR #	TYPE	RAMP REFERENCE POINT			LENGTH OF PRIMARY RAMP (W1)	WIDTH OF SIDEWALK (W)	WIDTH OF RAMP OPENING	DEPTH OF LEVEL LANDING	ROADWAY GUTTER SLOPE	RAMP MATERIAL	TRANSITION LENGTH	
		BASELINE	STATION	OFFSET							LEFT SIDE	RIGHT SIDE
1	A	LYNNFIELD RAIL TRAIL	133+75.68	0.00'	6'-0"	14'-0"	14'-0"	6'-0"	0.11%	CEM CONC	N/A	N/A
2	A	MIDDLE SCHOOL CONNECTION	10+10.00	0.00'	4'-0"	10'-0"	10'-0"	4'-0"	-0.57%	CEM CONC	N/A	N/A
3	SEE NOTE 1	LYNNFIELD RAIL TRAIL	153+91.33	0.00'	6'-0"	14'-0"	14'-0"	6'-0"	-0.76%	CEM CONC	6'-6"	N/A
4	SEE NOTE 1	LYNNFIELD RAIL TRAIL	154+23.99	0.00'	6'-0"	14'-0"	14'-0"	6'-0"	1.43%	CEM CONC	9'-0"	6'-6"
5	SEE NOTE 1	LYNNFIELD RAIL TRAIL	154+37.32	56.99', RT	6'-0"	6'-0"	6'-0"	6'-0"	1.44%	CEM CONC	9'-0"	7'-8"
6	B	LYNNFIELD RAIL TRAIL	199+63.11	0.00'	6'-0"	14'-0"	14'-0"	6'-0"	2.05%	CEM CONC	11'-0"	6'-6"
7	B	LYNNFIELD RAIL TRAIL	199+89.87	0.00'	6'-0"	14'-0"	14'-0"	6'-0"	2.70%	CEM CONC	6'-6"	11'-0"

DRIVEWAY RAMPS												
DWY #	TYPE	DRIVEWAY REFERENCE POINT			LENGTH OF PRIMARY RAMP (W1)	WIDTH OF SIDEWALK (W)	WIDTH OF RAMP OPENING	DEPTH OF LEVEL LANDING	DRIVEWAY GUTTER SLOPE	RAMP MATERIAL	TRANSITION LENGTH	
		BASELINE	STATION	OFFSET							LEFT SIDE	RIGHT SIDE
1	SEE NOTE 1	LYNNFIELD RAIL TRAIL	153+86.86	16.43', LT	8'-5 1/2"	6'-0"	4'-0"	8'-5 1/2"	-3.27%	CEM CONC	N/A	N/A
2	SEE NOTE 1	LYNNFIELD RAIL TRAIL	153+87.08	41.05' LT	5'-0"	5'-0"	5'-0"	5'-0"	-2.31%	CEM CONC	N/A	N/A

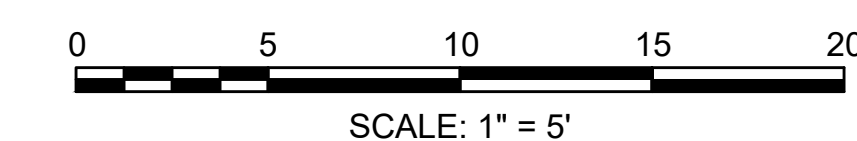
STATE	FED. AID PROJ. NO.	SHEET NO.	TOTAL SHEETS
MA	STP-0034(033)X	56	128
PROJECT FILE NO. 613163			

613163 HD/PCB DETAIL S) DWG Plotted on 29-Jun-2026 4:58 PM

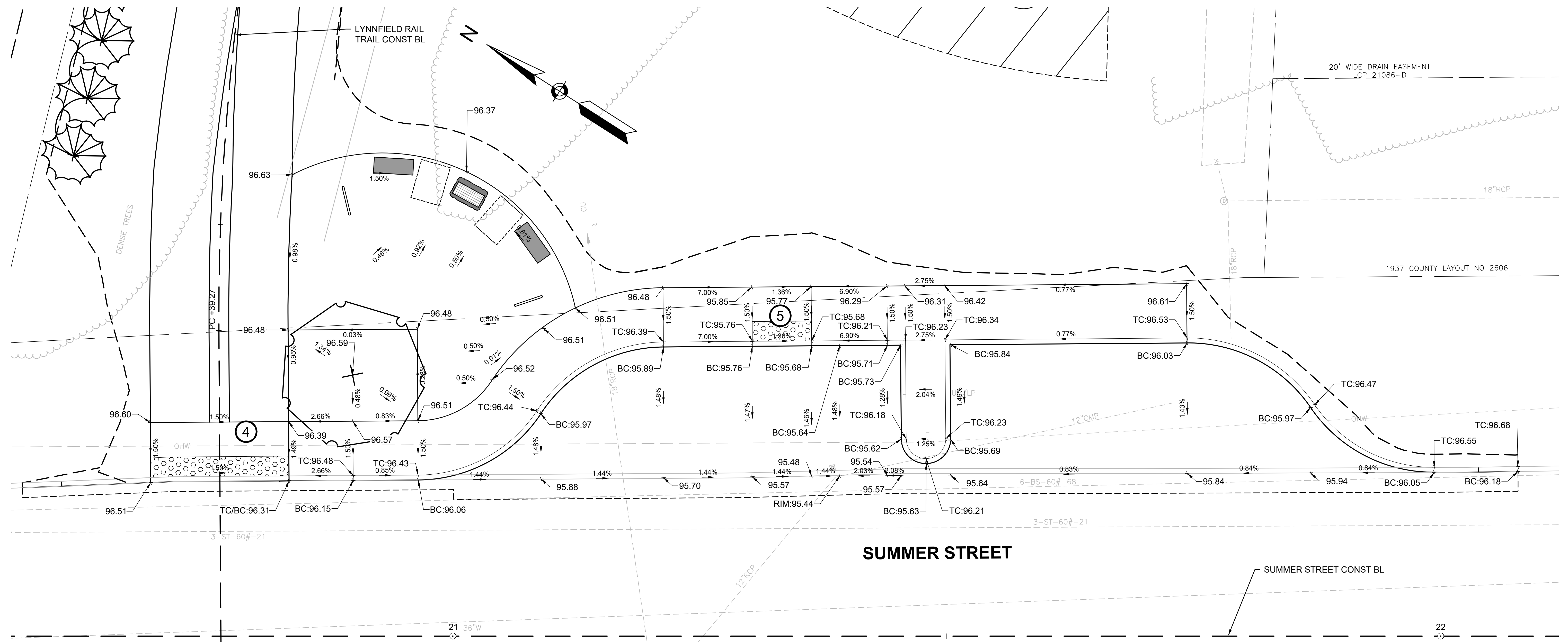


ELEVATIONS AND GRADES SHOWN IN PARENTHESIS ARE INTENDED TO BE EXISTING. DISCREPANCIES WITH SITE CONDITIONS ARE TO BE REPORTED TO THE ENGINEER IMMEDIATELY.

 - PEDESTRIAN CURB
RAMP NUMBER
 - DRIVEWAY CURB
RAMP NUMBER
 0.00 - PROPOSED GRADE
 (0.00) - EXISTING GRADE



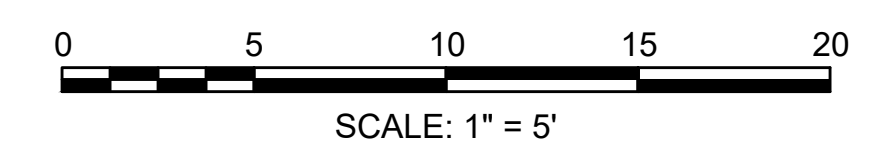
STATE	FED. AID PROJ. NO.	SHEET NO.	TOTAL SHEETS
MA	STP-0034(033)X	57	128
PROJECT FILE NO. 613163			

PEDESTRIAN CURB RAMP & DRIVEWAY DETAILS
PART 3 OF 3

PEDESTRIAN CURB RAMP, SIDEWALK, PARKING AREA, AND TRAILHEAD GRADING DETAIL
PCR NO.: 4 & 5
 SCALE: 1" = 5'

NOTE:

ELEVATIONS AND GRADES SHOWN IN PARENTHESIS ARE INTENDED TO BE EXISTING. DISCREPANCIES WITH SITE CONDITIONS ARE TO BE REPORTED TO THE ENGINEER IMMEDIATELY.

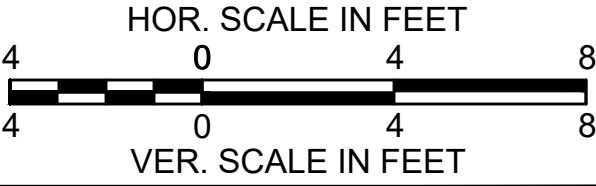
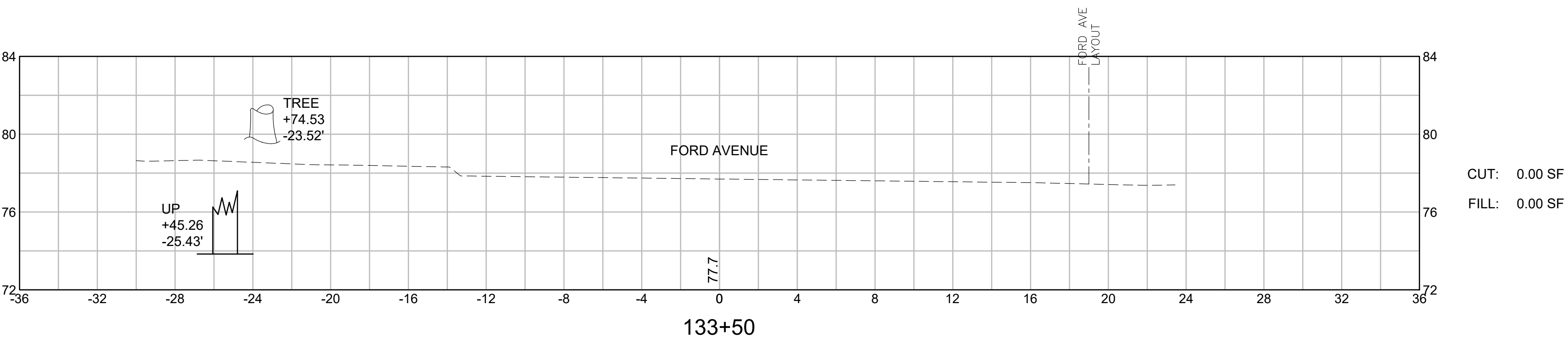
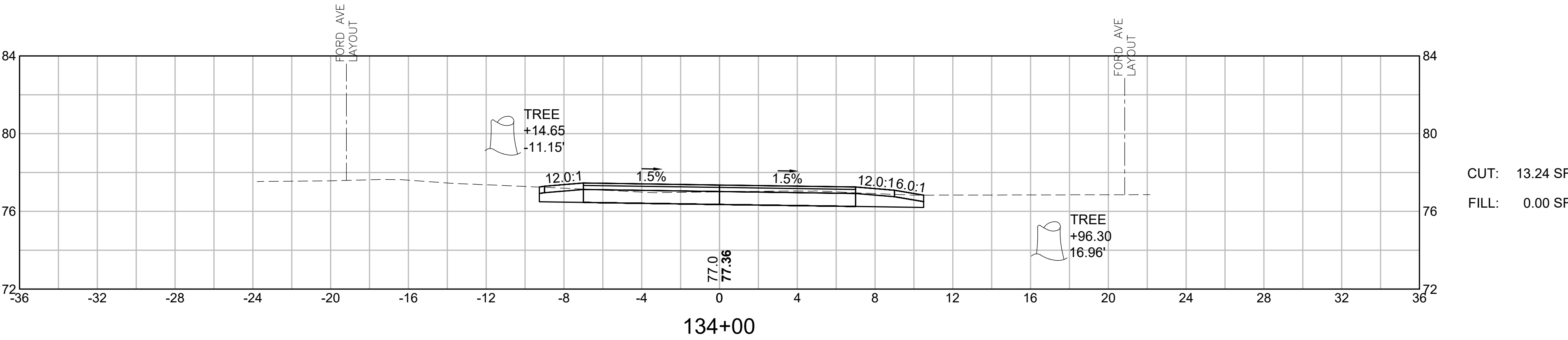
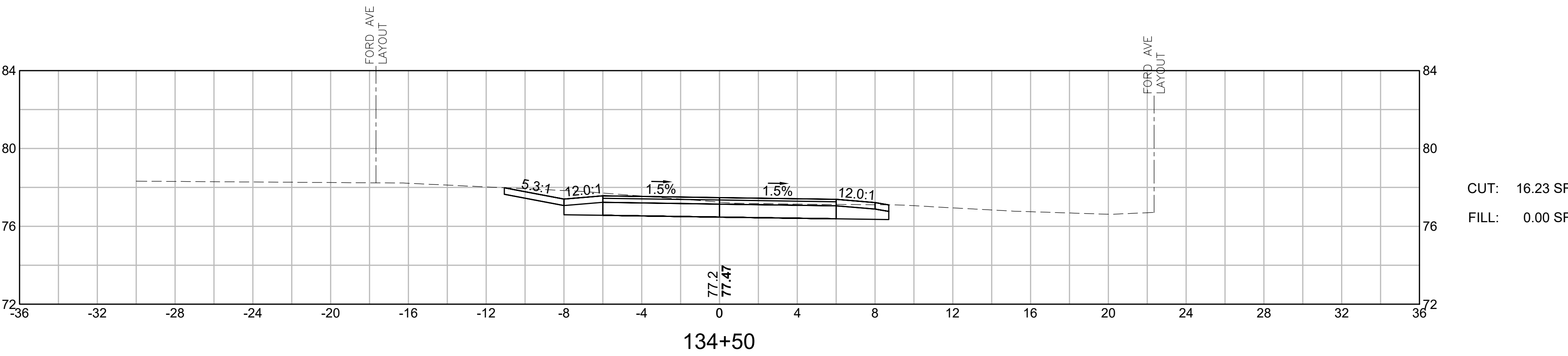


LEGEND:

-  - PEDESTRIAN CURB
RAMP NUMBER
 - DRIVEWAY CURB
RAMP NUMBER
 0.00 - PROPOSED GRADE
 (0.00) - EXISTING GRADE

LYNNFIELD RAIL TRAIL CONSTRUCTION			
STATE	FED. AID PROJ. NO.	SHEET NO.	TOTAL SHEETS
MA	STP-0034(033)X	58	128
PROJECT FILE NO. 613163			

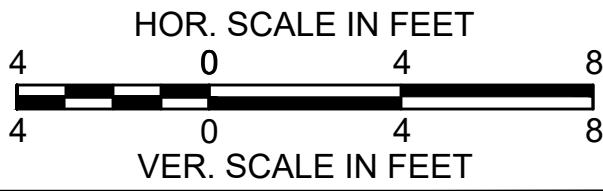
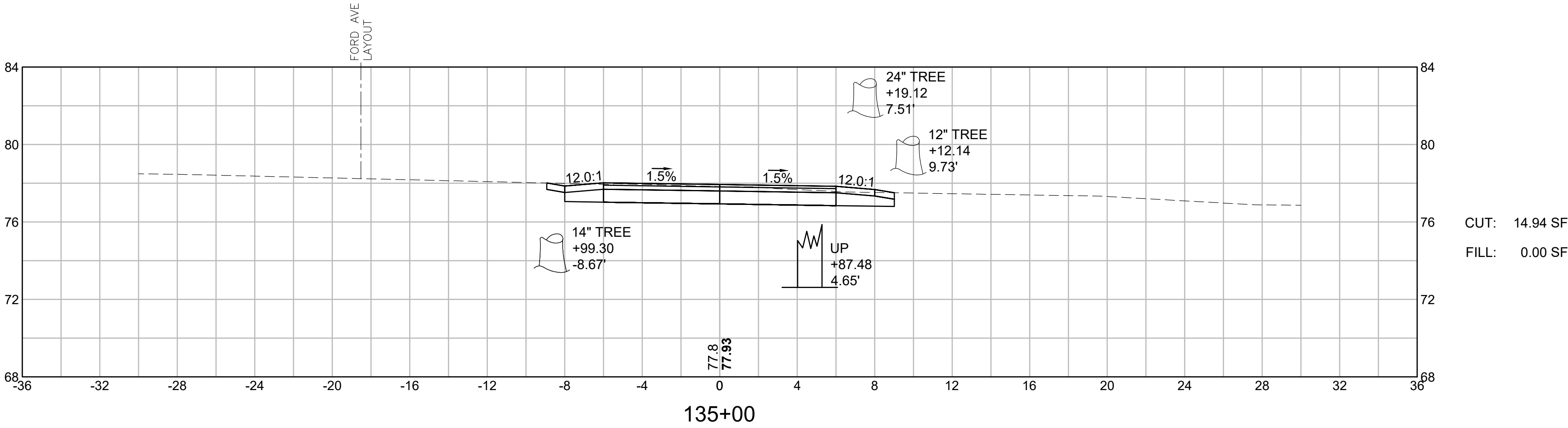
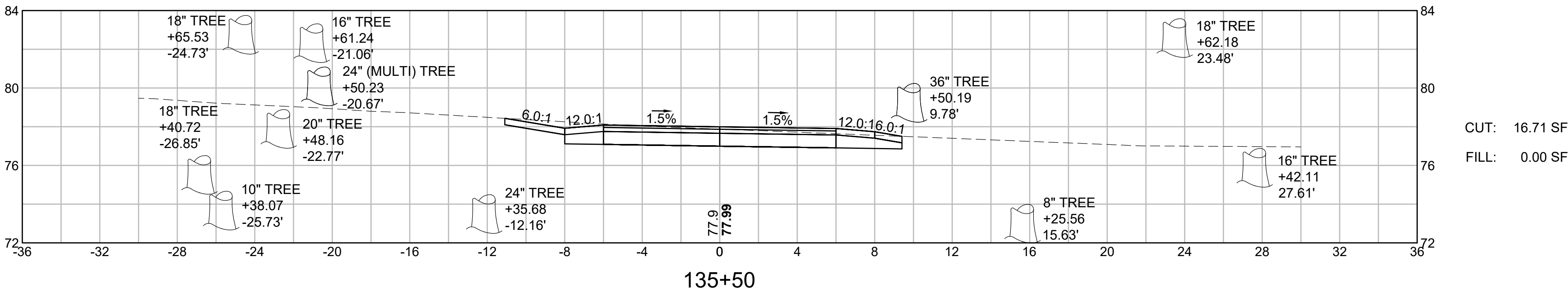
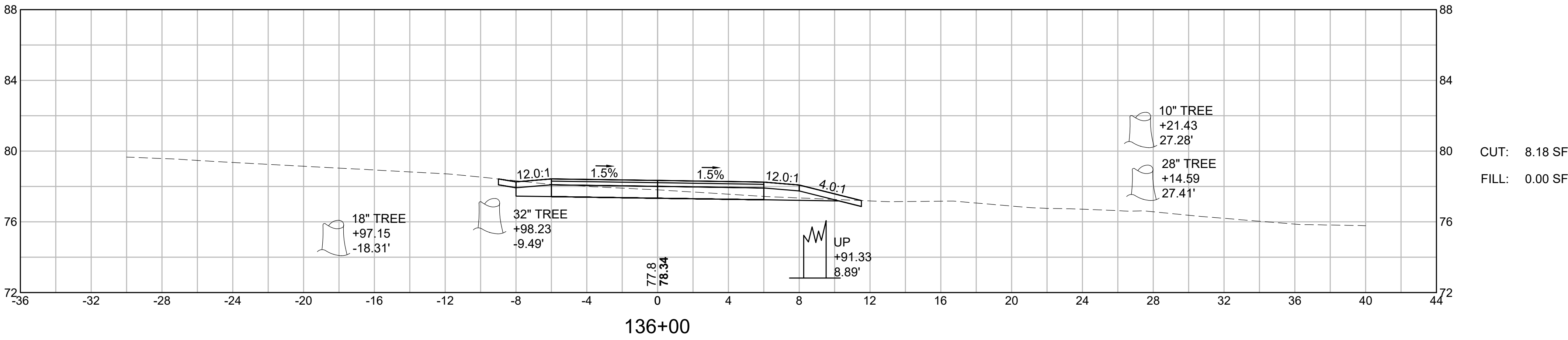
CROSS SECTIONS
LYNNFIELD RAIL TRAIL
PART 1 OF 71



LYNNFIELD
RAIL TRAIL CONSTRUCTION

STATE	FED. AID PROJ. NO.	SHEET NO.	TOTAL SHEETS
MA	STP-0034(033)X	59	128
PROJECT FILE NO. 613163			

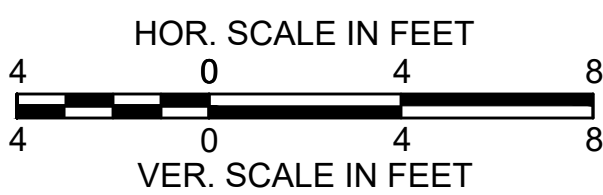
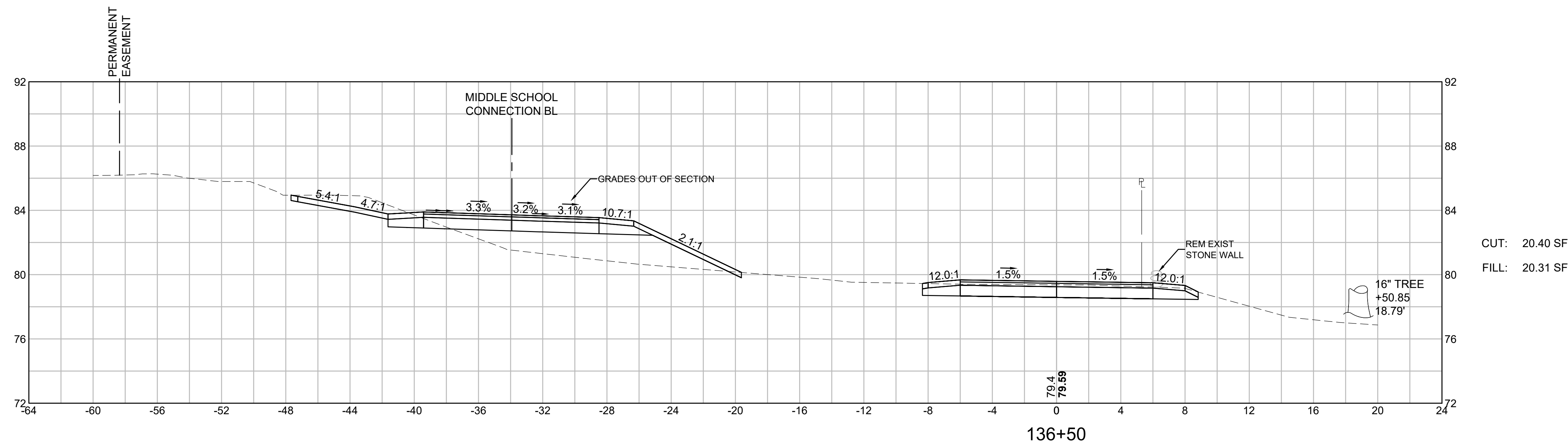
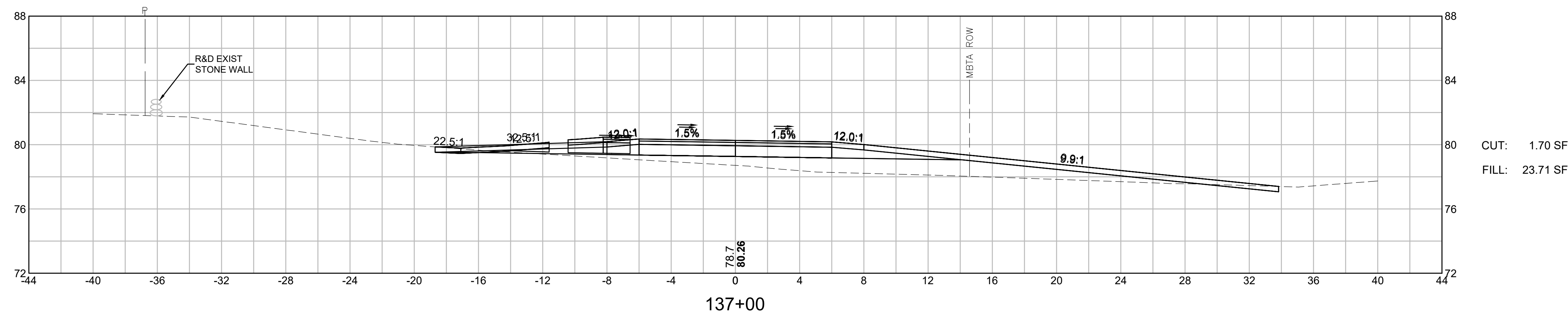
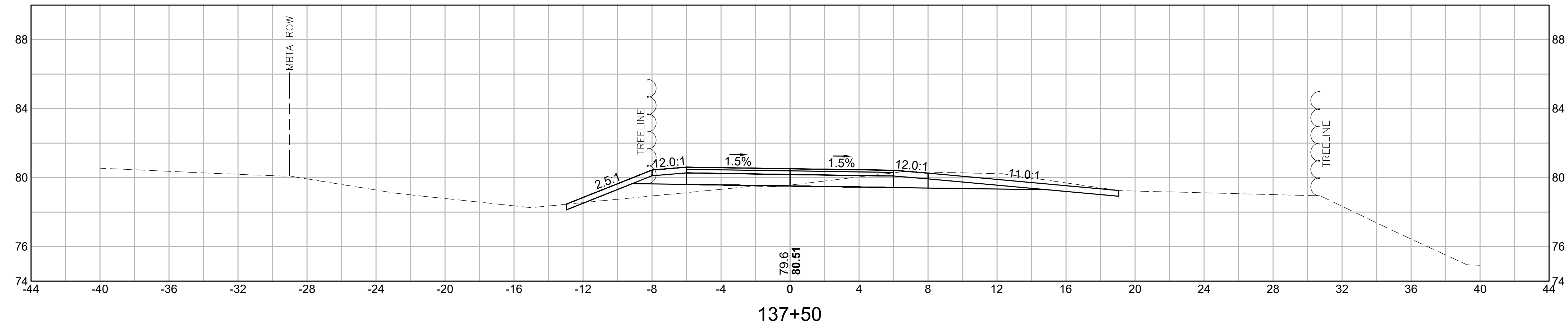
CROSS SECTIONS
LYNNFIELD RAIL TRAIL
PART 2 OF 71



LYNNFIELD
RAIL TRAIL CONSTRUCTION

STATE	FED. AID PROJ. NO.	SHEET NO.	TOTAL SHEETS
MA	STP-0034(033)X	60	128
PROJECT FILE NO. 613163			

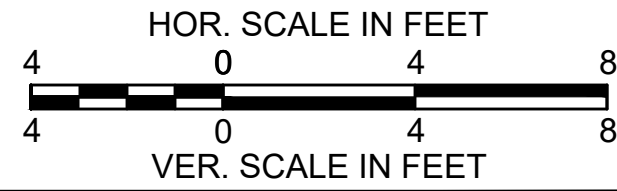
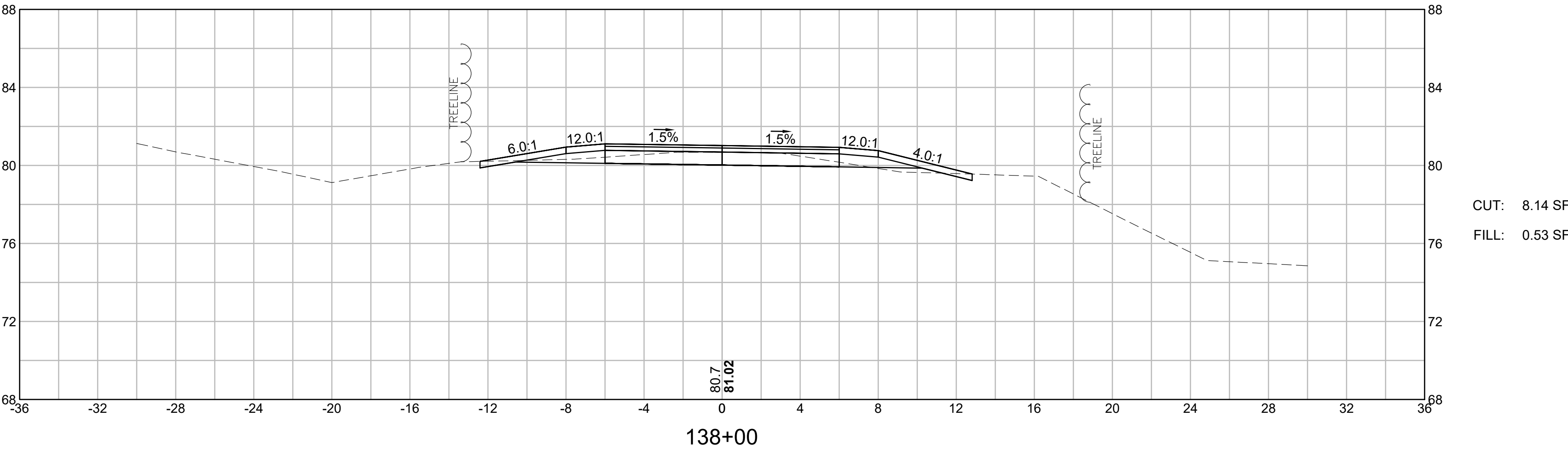
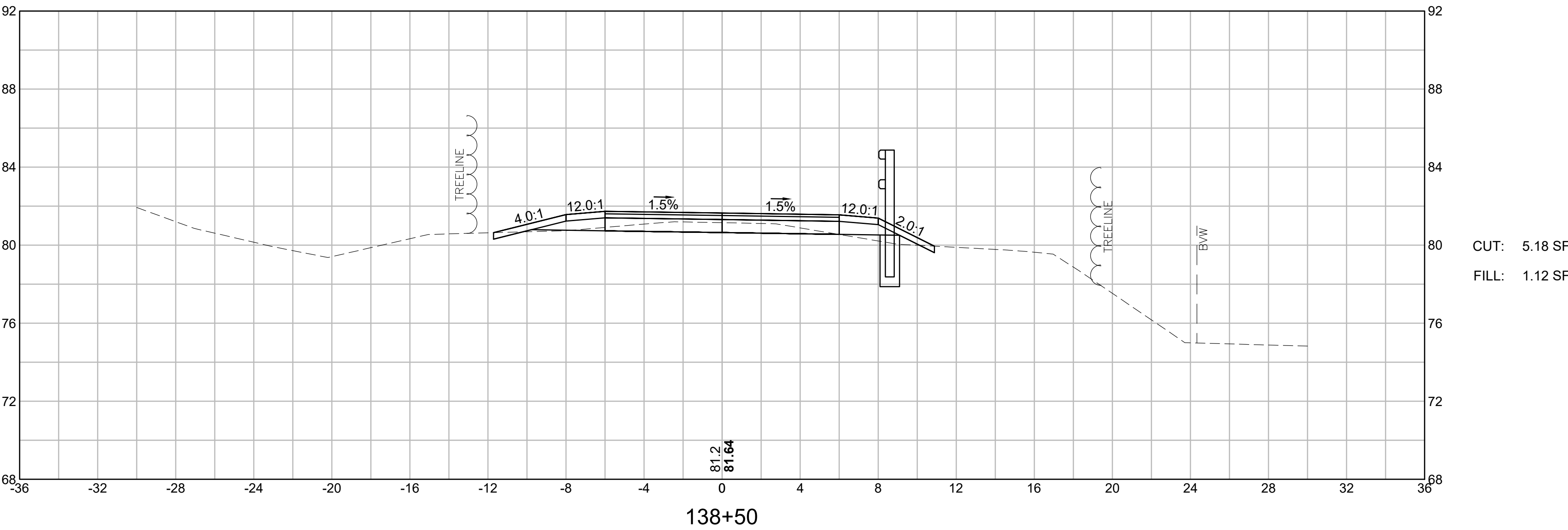
CROSS SECTIONS
LYNNFIELD RAIL TRAIL
PART 3 OF 71



LYNNFIELD
RAIL TRAIL CONSTRUCTION

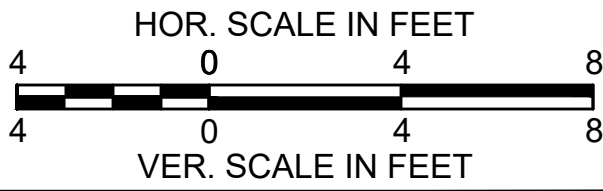
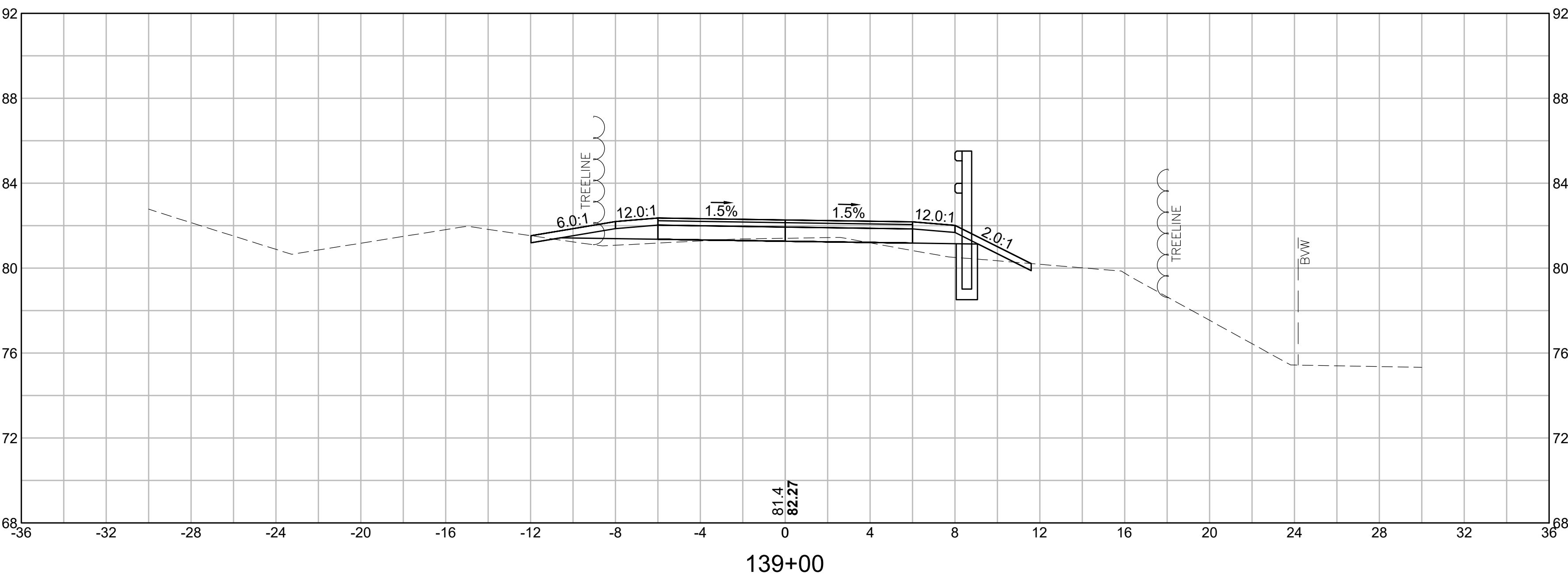
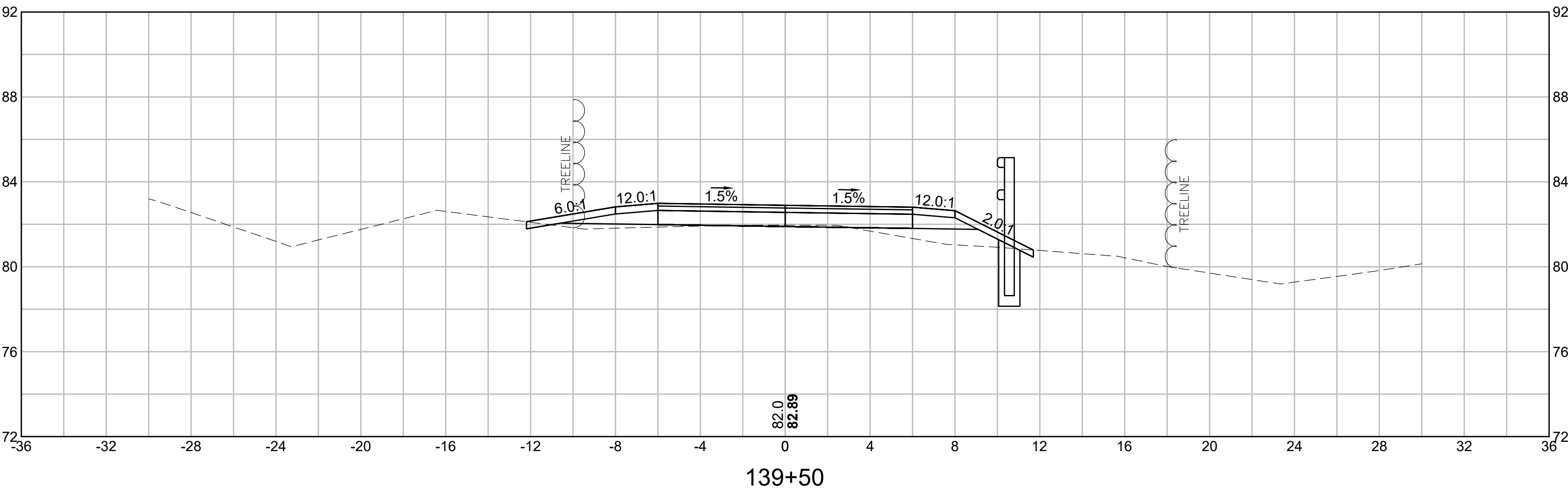
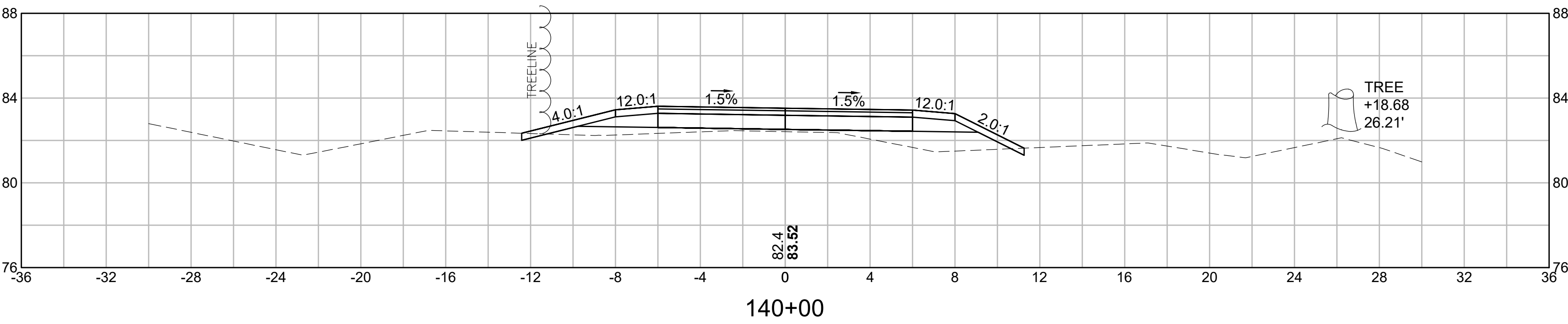
STATE	FED. AID PROJ. NO.	SHEET NO.	TOTAL SHEETS
MA	STP-0034(033)X	61	128
PROJECT FILE NO. 613163			

CROSS SECTIONS
LYNNFIELD RAIL TRAIL
PART 4 OF 71



LYNNFIELD RAIL TRAIL CONSTRUCTION			
STATE	FED. AID PROJ. NO.	SHEET NO.	TOTAL SHEETS
MA	STP-0034(033)X	62	128
PROJECT FILE NO. 613163			

CROSS SECTIONS
LYNNFIELD RAIL TRAIL
PART 5 OF 71

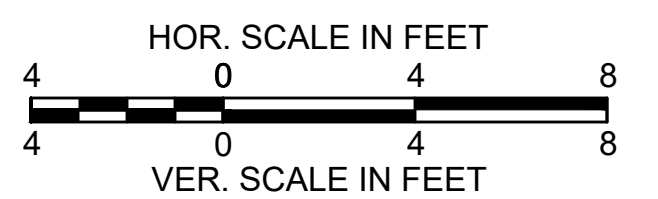
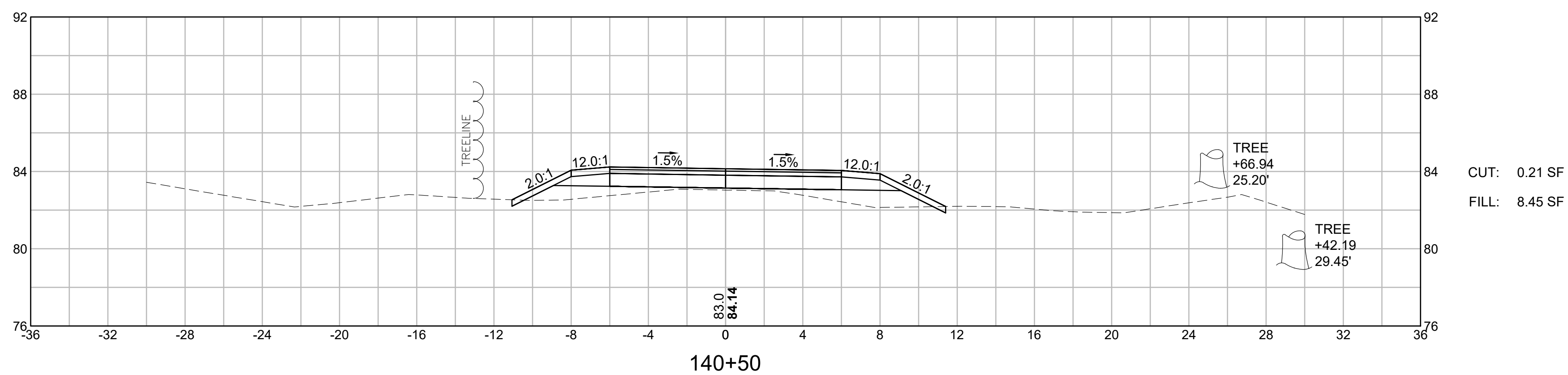
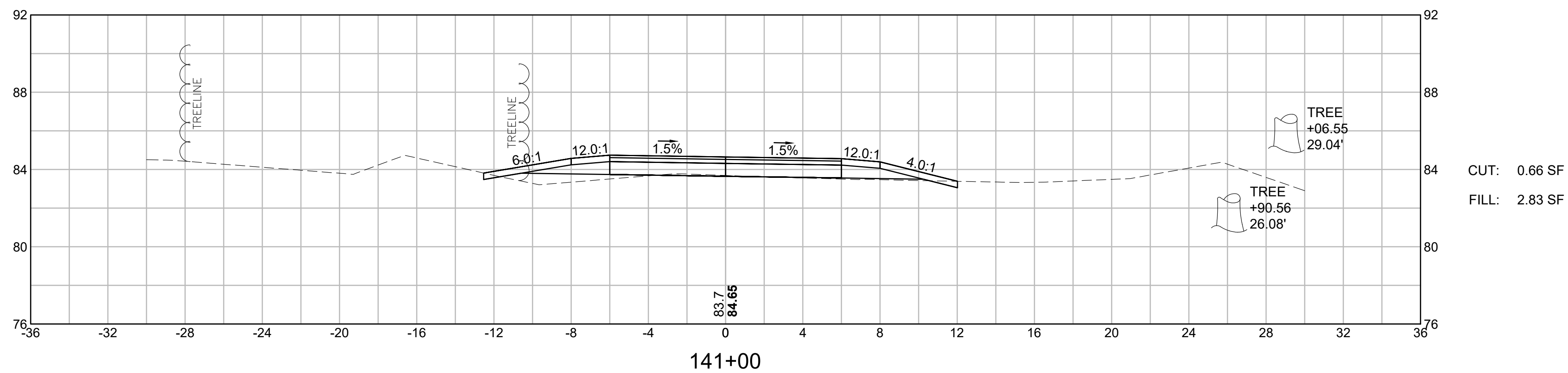
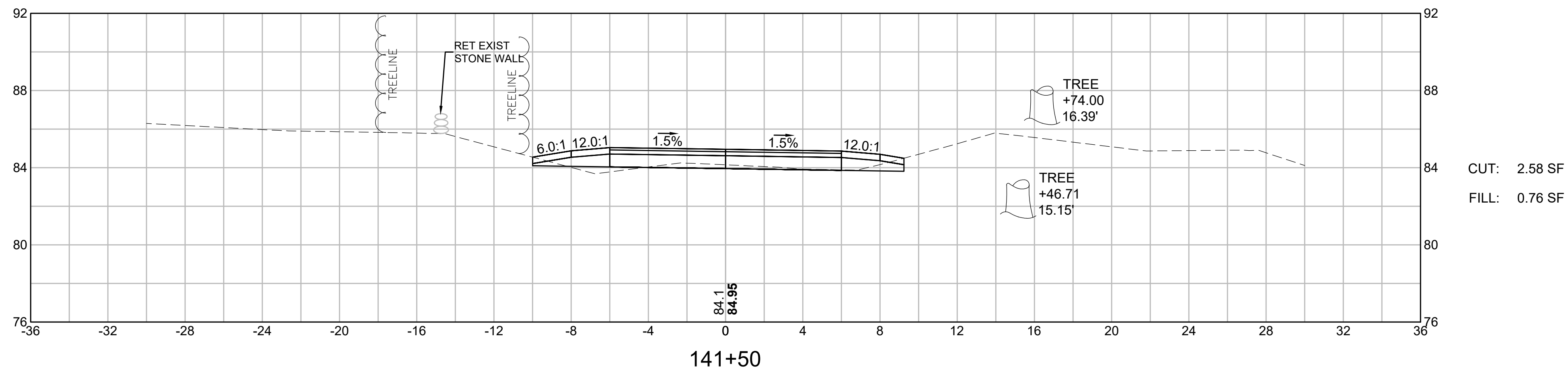


LYNNFIELD
RAIL TRAIL CONSTRUCTION

STATE	FED. AID PROJ. NO.	SHEET NO.	TOTAL SHEETS
MA	STP-0034(033)X	63	128

PROJECT FILE NO. 613163

CROSS SECTIONS
LYNNFIELD RAIL TRAIL
PART 6 OF 71

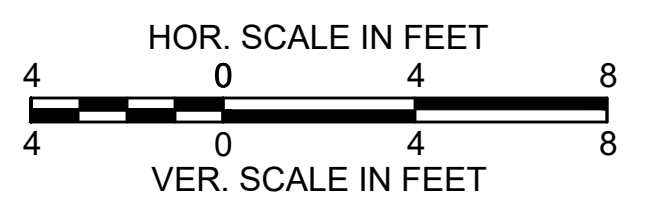
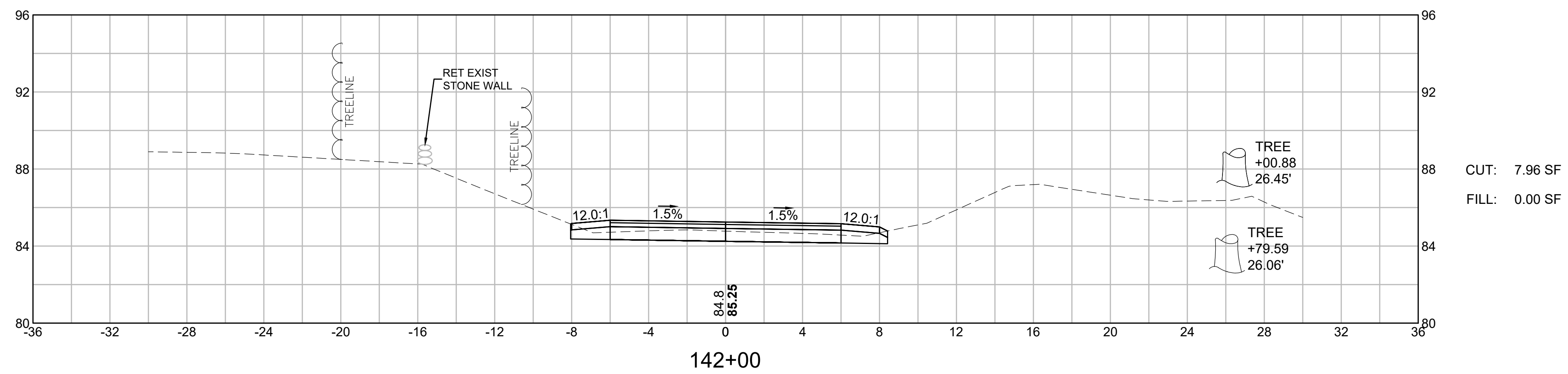
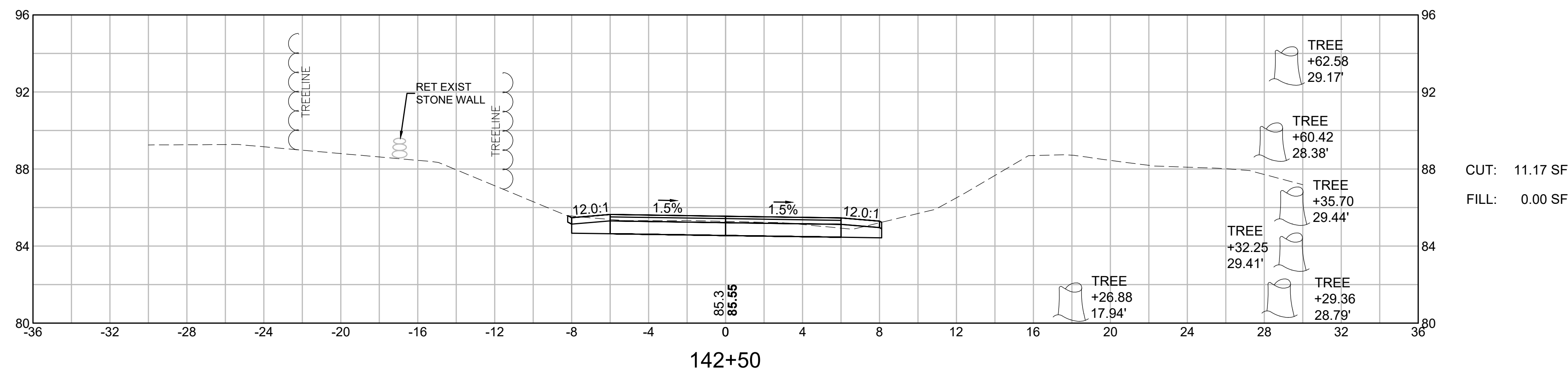
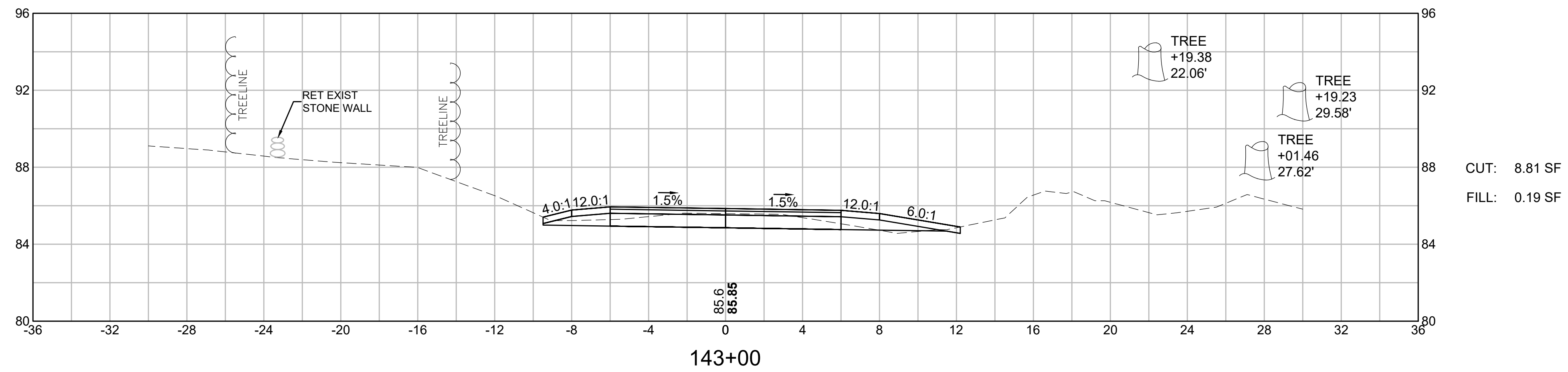


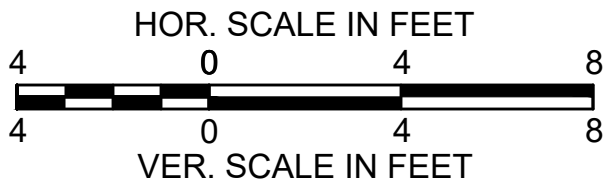
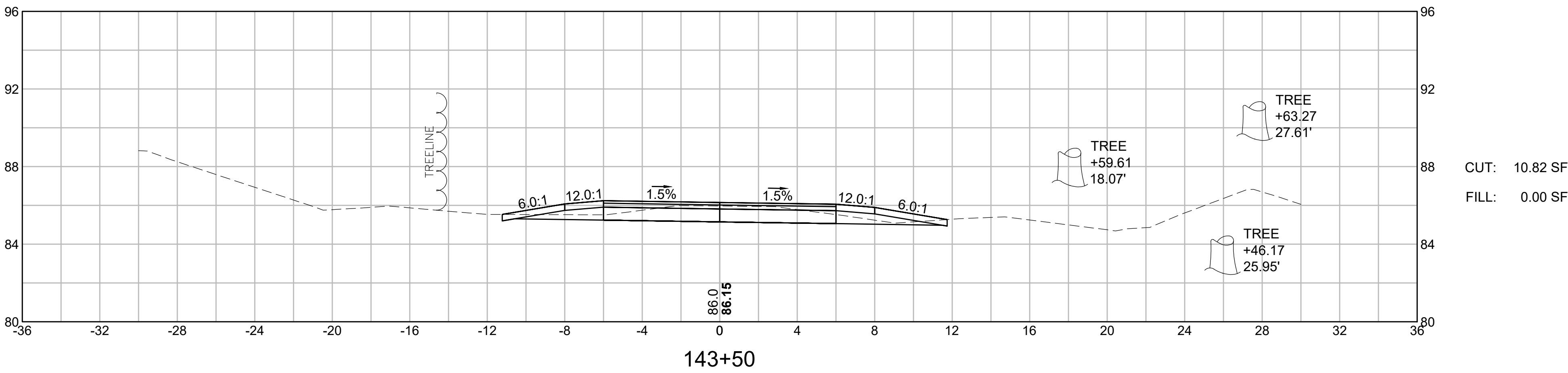
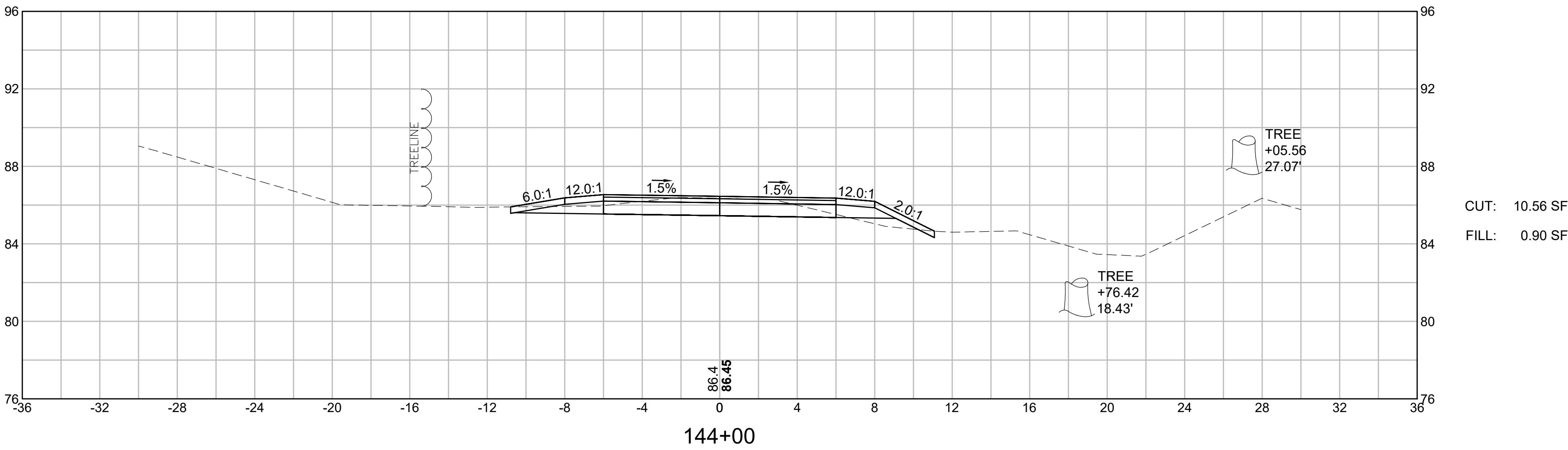
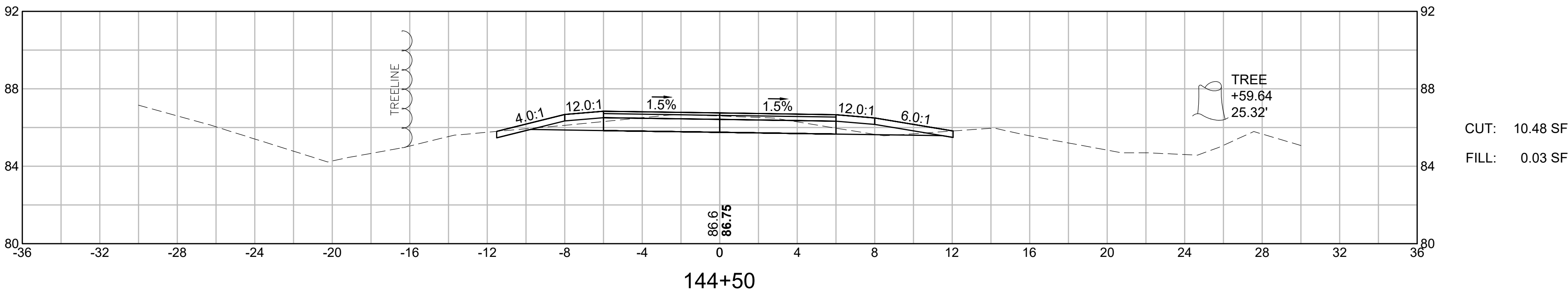
LYNNFIELD
RAIL TRAIL CONSTRUCTION

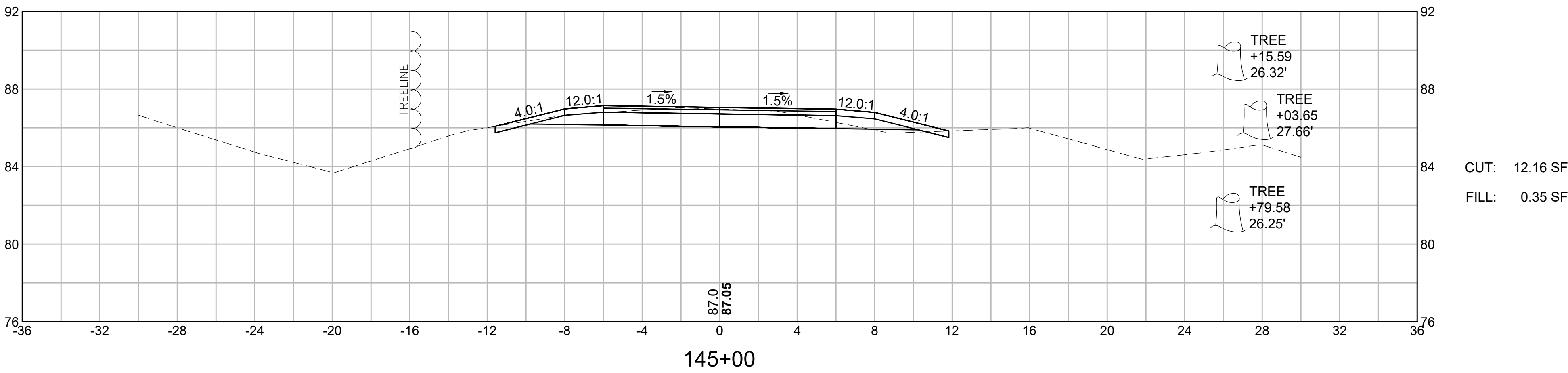
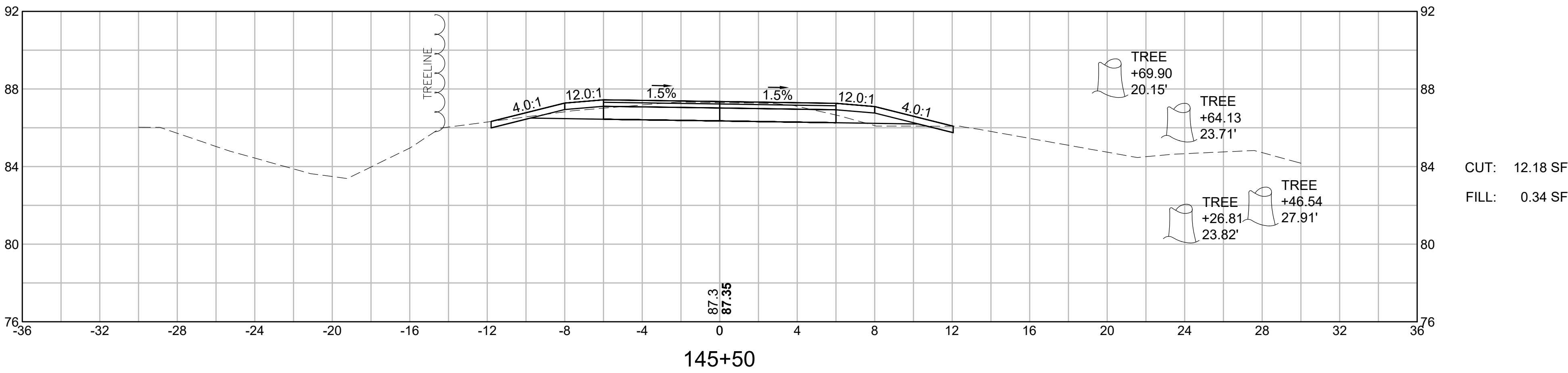
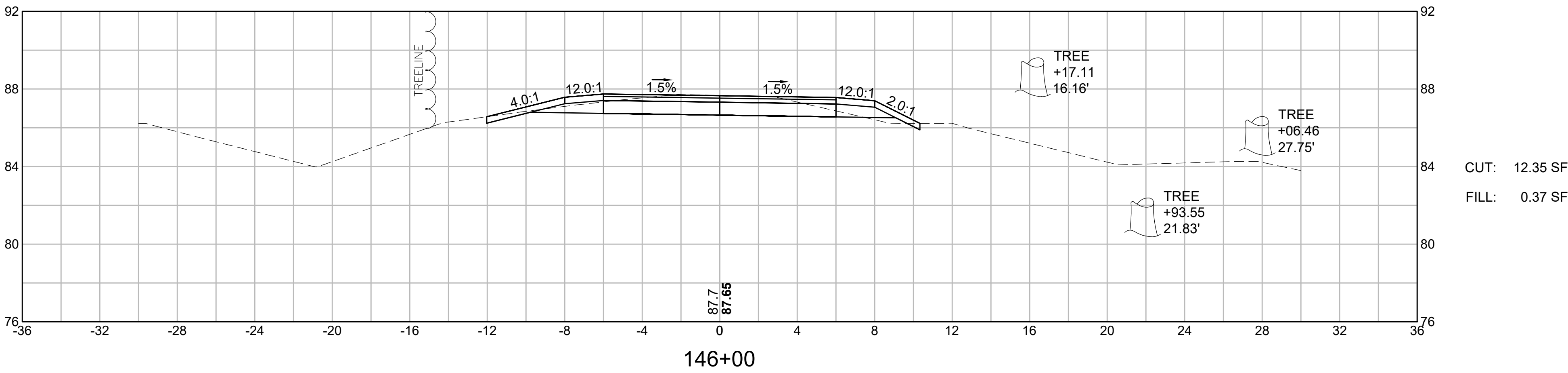
STATE	FED. AID PROJ. NO.	SHEET NO.	TOTAL SHEETS
MA	STP-0034(033)X	64	128

PROJECT FILE NO. 613163

CROSS SECTIONS
LYNNFIELD RAIL TRAIL
PART 7 OF 71





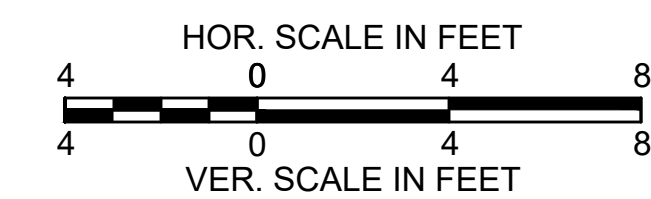
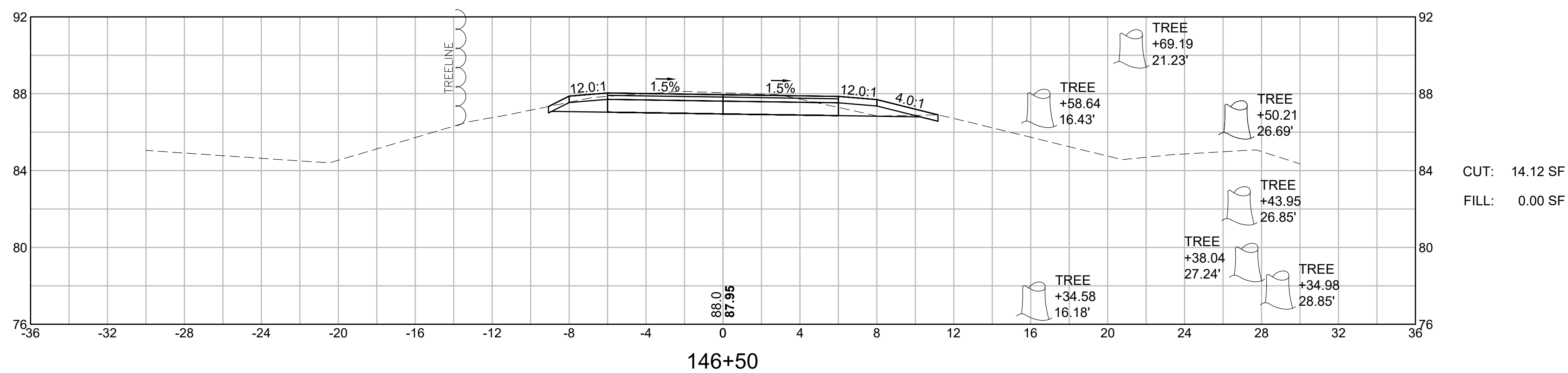
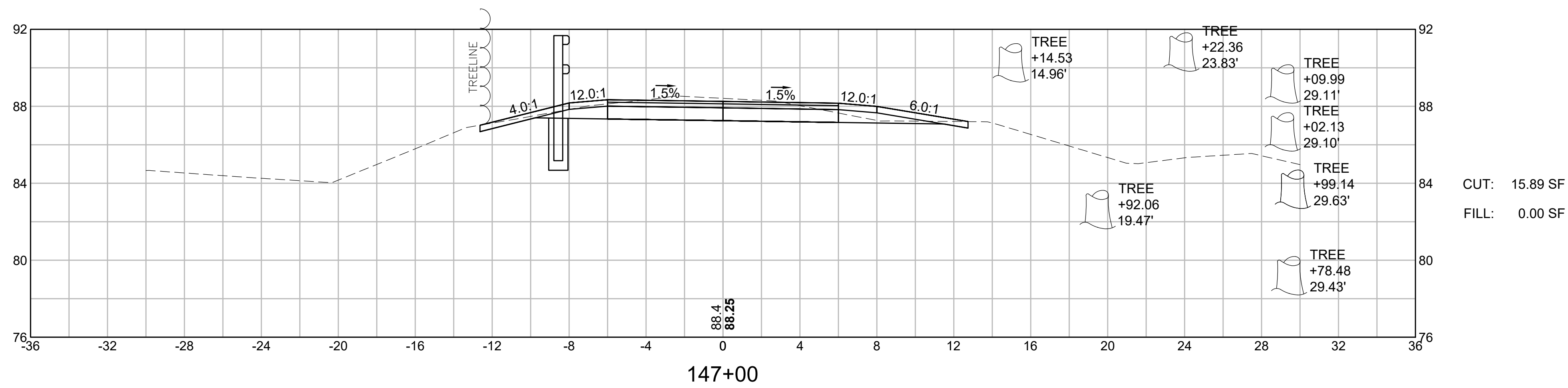
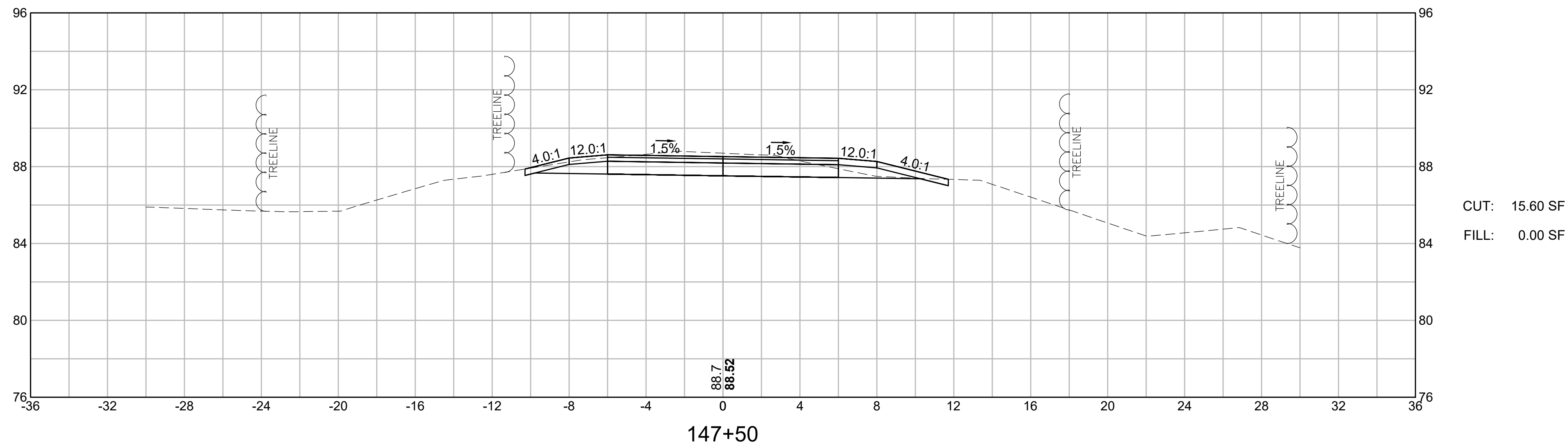


LYNNFIELD
RAIL TRAIL CONSTRUCTION

STATE	FED. AID PROJ. NO.	SHEET NO.	TOTAL SHEETS
MA	STP-0034(033)X	67	128

PROJECT FILE NO. 613163

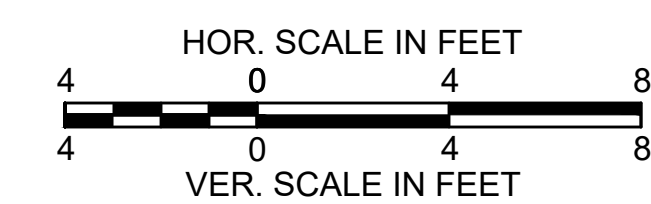
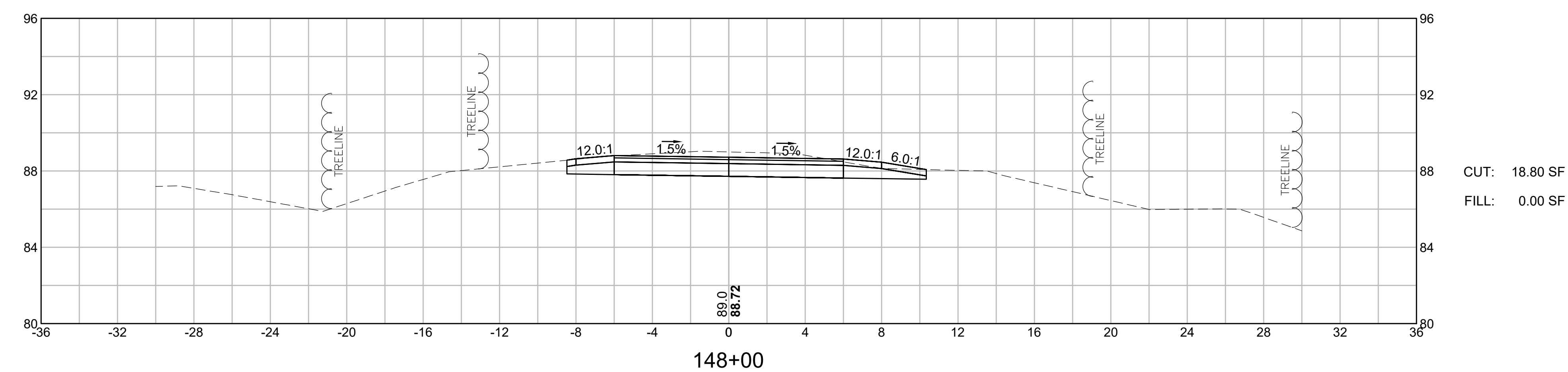
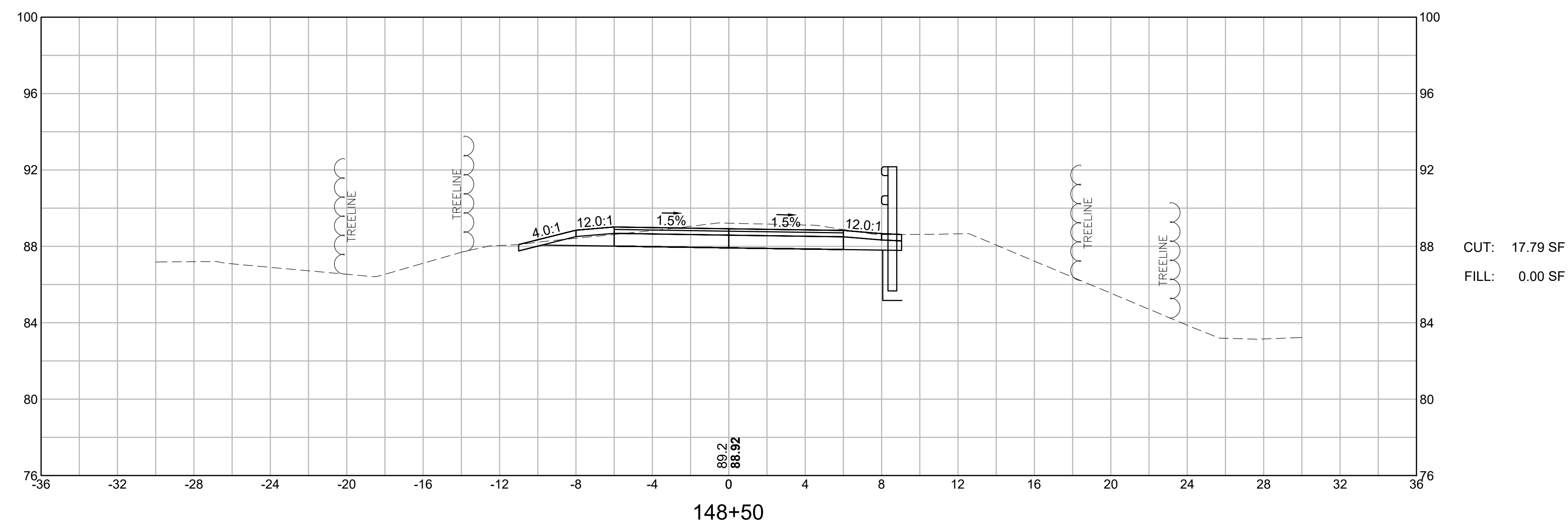
CROSS SECTIONS
LYNNFIELD RAIL TRAIL
PART 10 OF 71

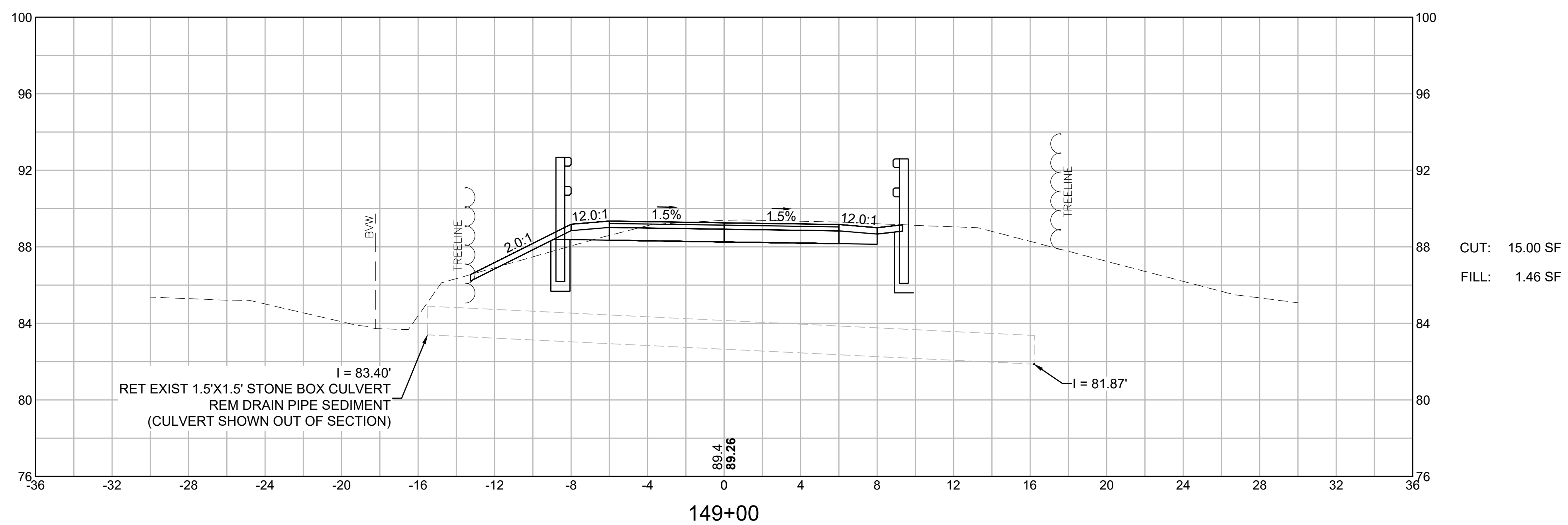
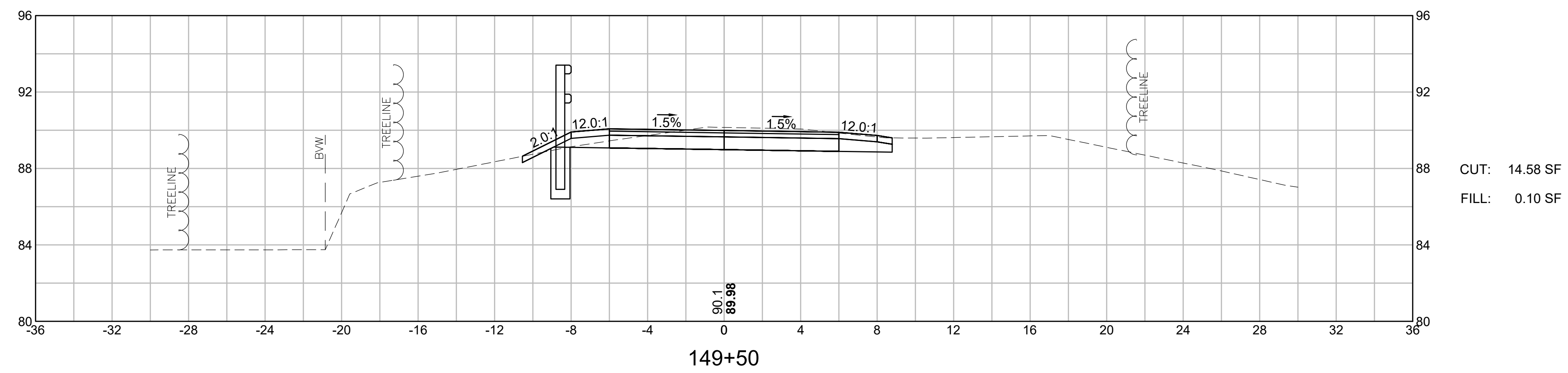


LYNNFIELD
RAIL TRAIL CONSTRUCTION

STATE	FED. AID PROJ. NO.	SHEET NO.	TOTAL SHEETS
MA	STP-0034(033)X	68	128
PROJECT FILE NO. 613163			

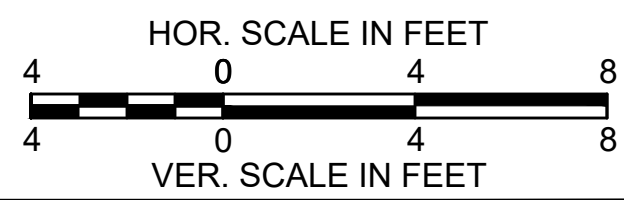
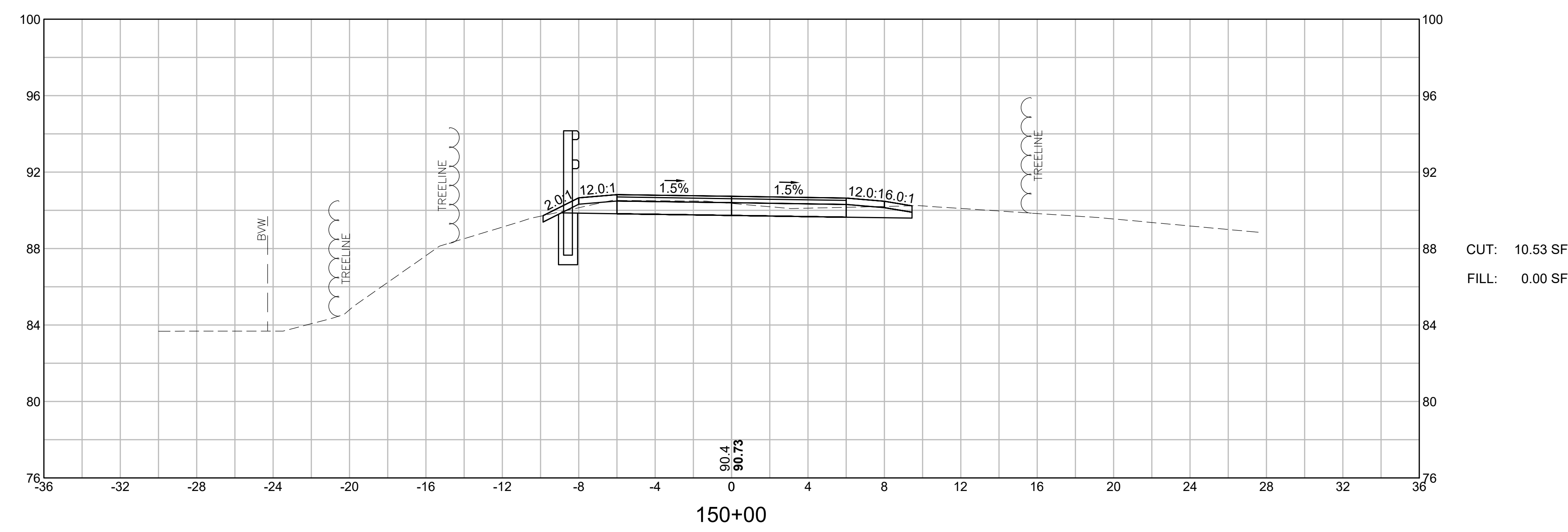
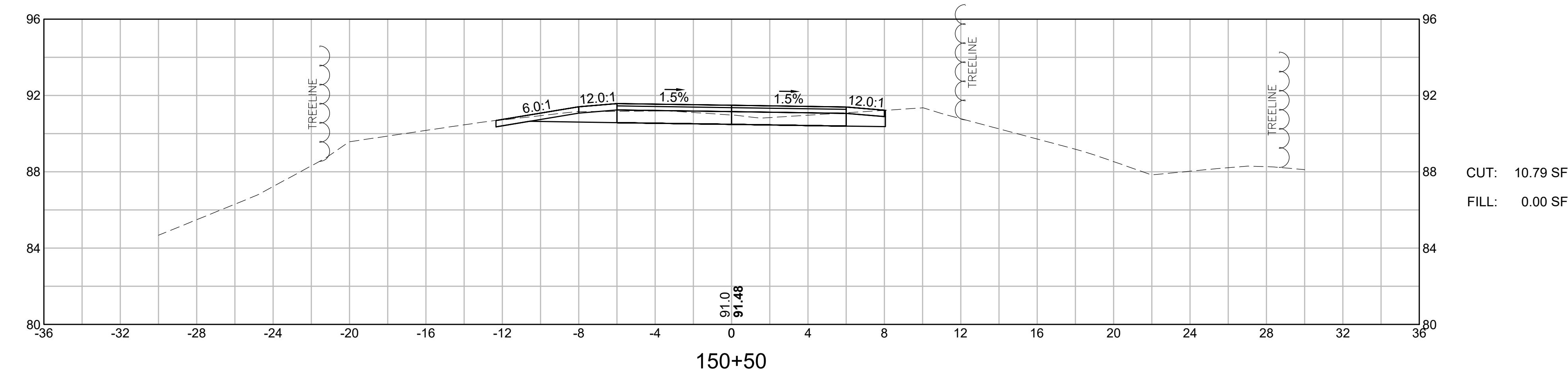
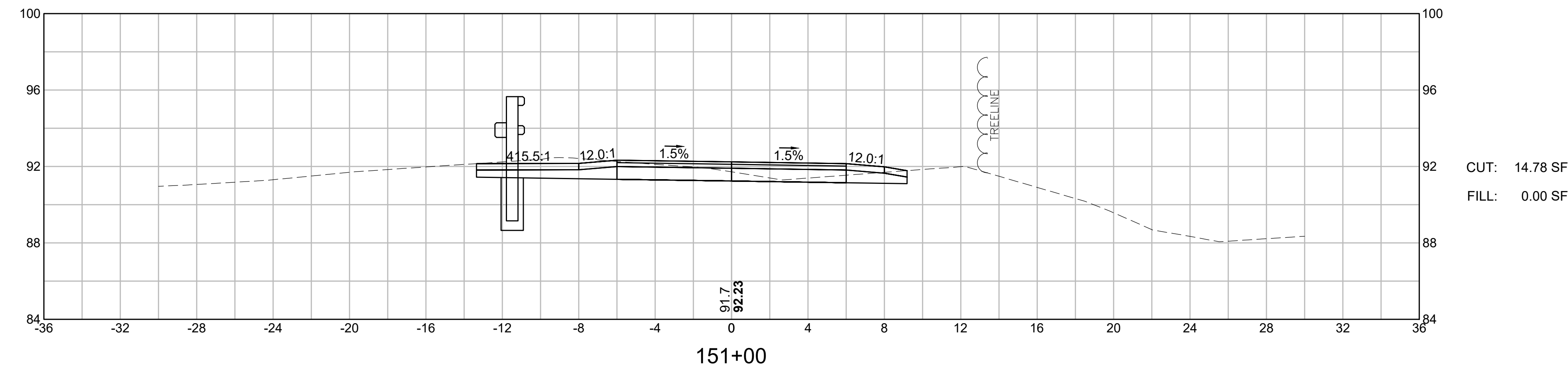
CROSS SECTIONS
LYNNFIELD RAIL TRAIL
PART 11 OF 71

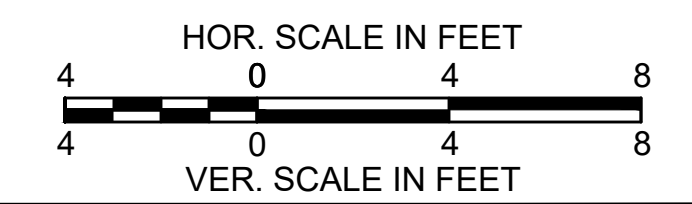
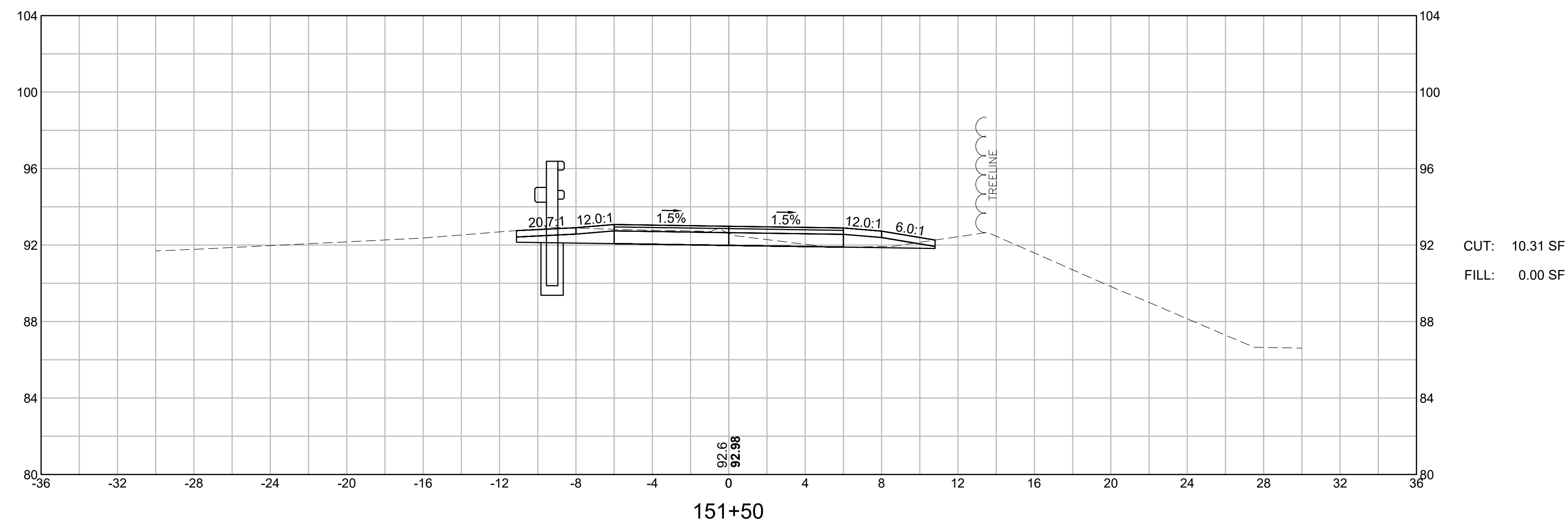
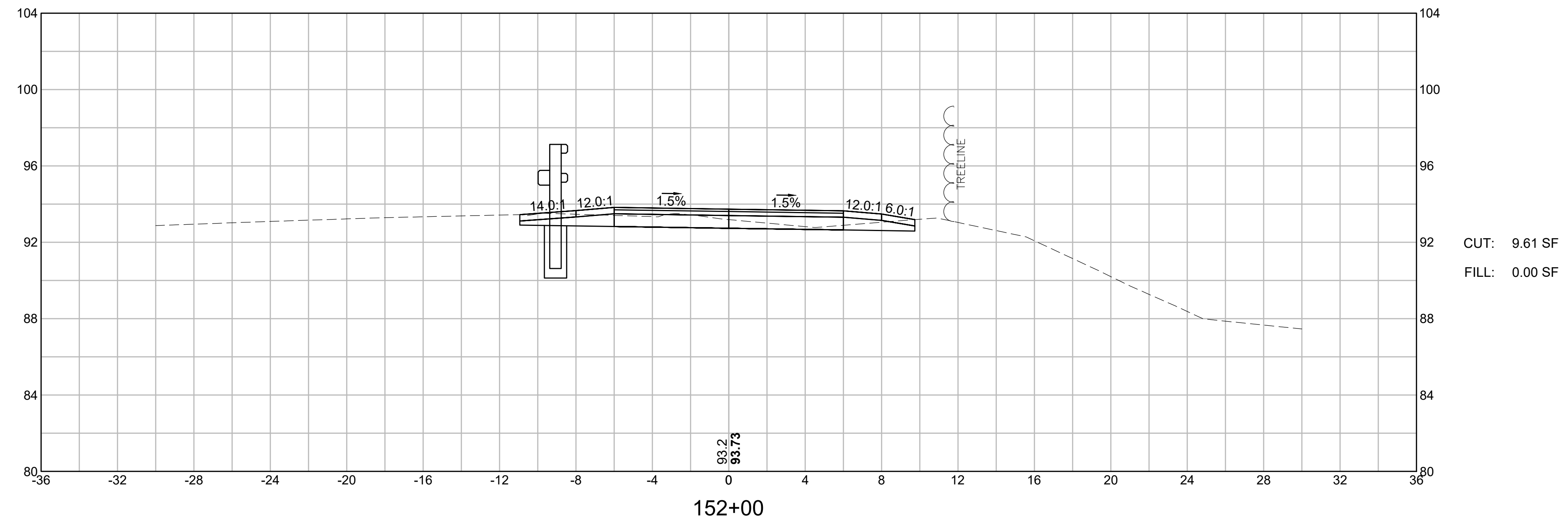




LYNNFIELD RAIL TRAIL CONSTRUCTION			
STATE	FED. AID PROJ. NO.	SHEET NO.	TOTAL SHEETS
MA	STP-0034(033)X	70	128
PROJECT FILE NO. 613163			

CROSS SECTIONS
LYNNFIELD RAIL TRAIL
PART 13 OF 71

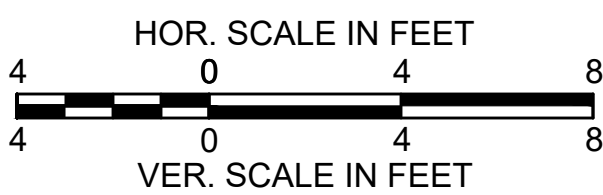
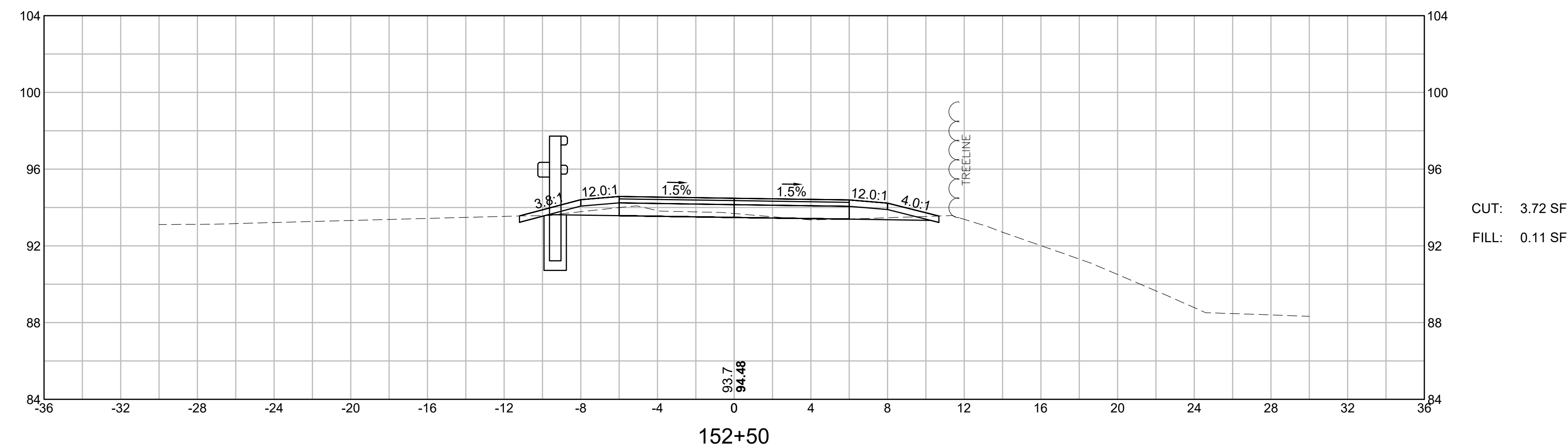
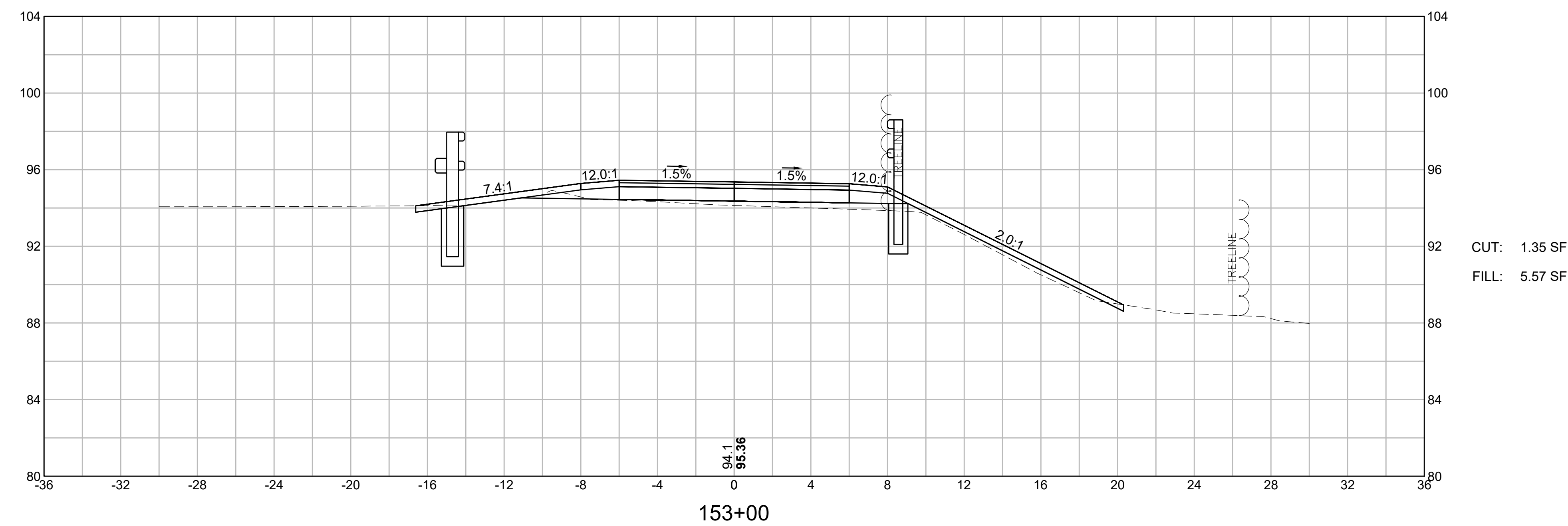




LYNNFIELD
RAIL TRAIL CONSTRUCTION

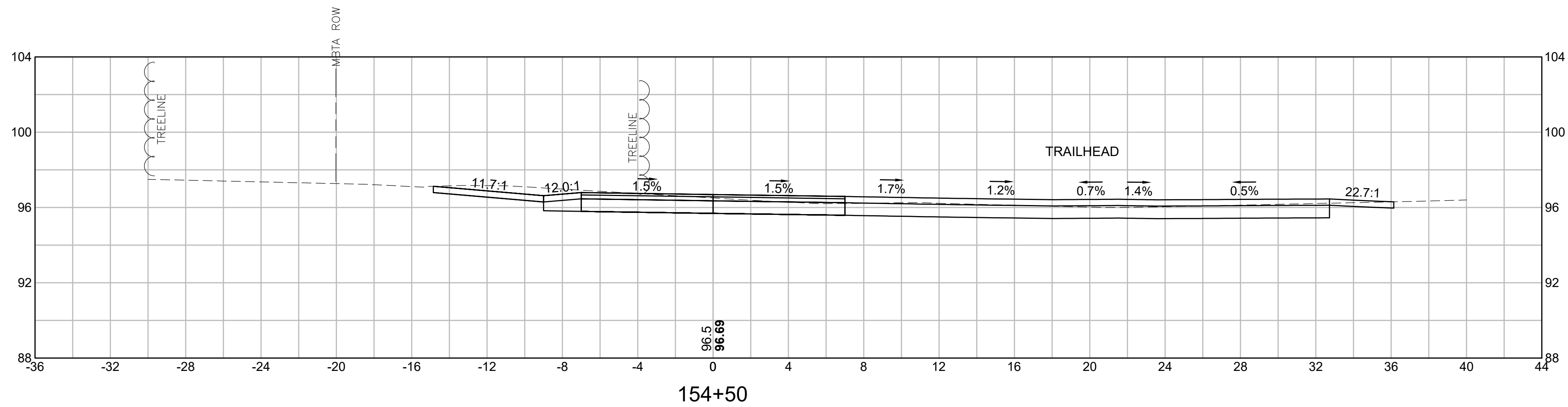
STATE	FED. AID PROJ. NO.	SHEET NO.	TOTAL SHEETS
MA	STP-0034(033)X	72	128
PROJECT FILE NO. 613163			

CROSS SECTIONS
LYNNFIELD RAIL TRAIL
PART 15 OF 71

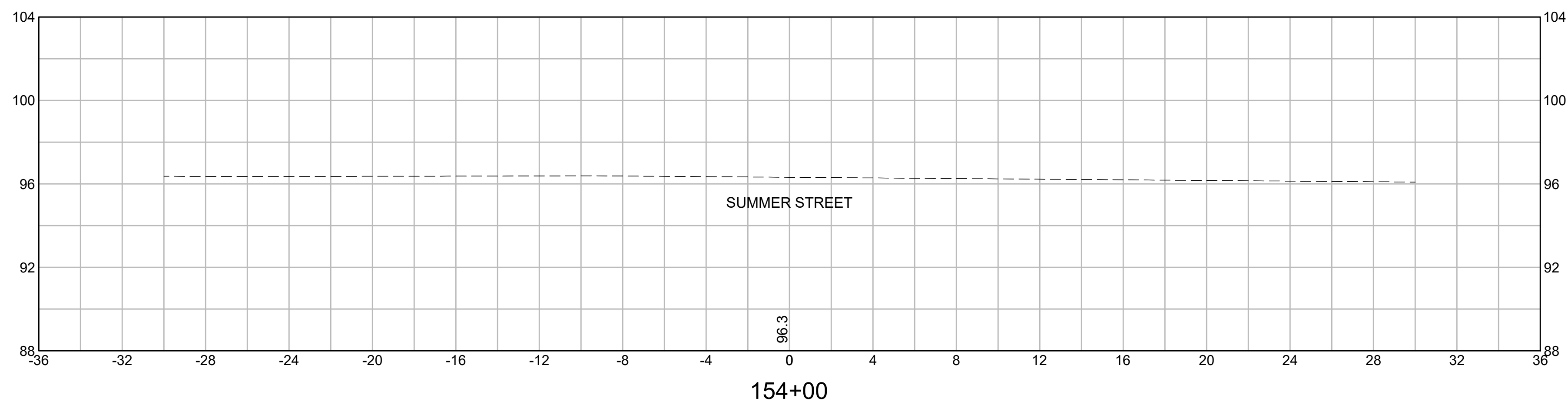


LYNNFIELD RAIL TRAIL CONSTRUCTION			
STATE	FED. AID PROJ. NO.	SHEET NO.	TOTAL SHEETS
MA	STP-0034(033)X	73	128
PROJECT FILE NO. 613163			

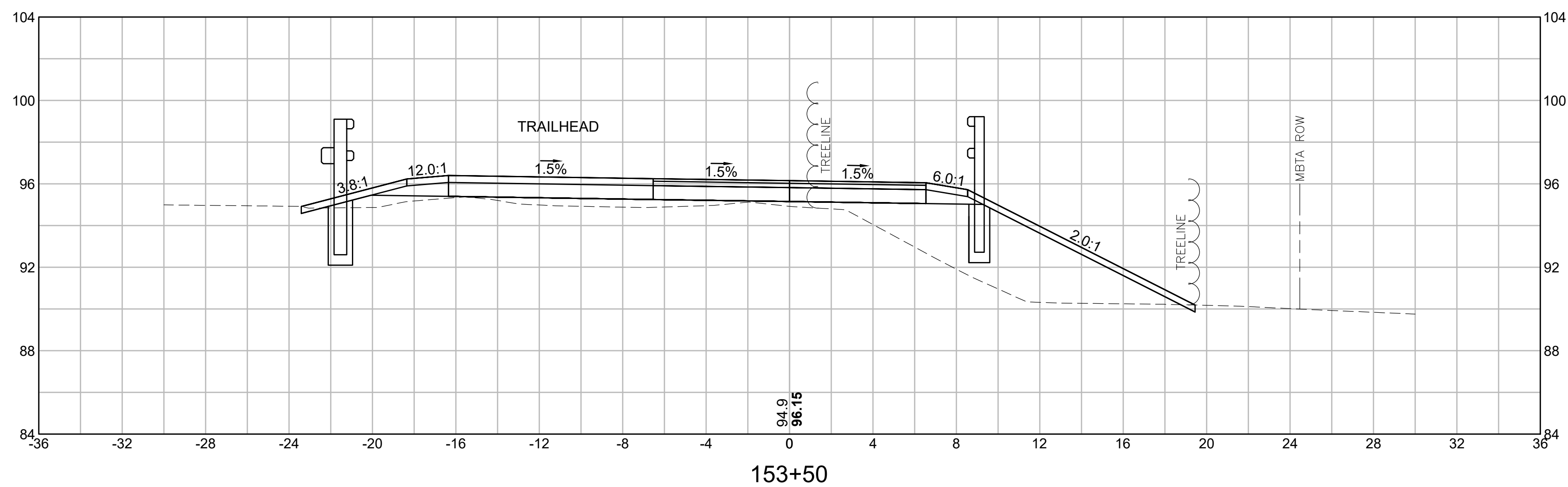
CROSS SECTIONS
LYNNFIELD RAIL TRAIL
PART 16 OF 71



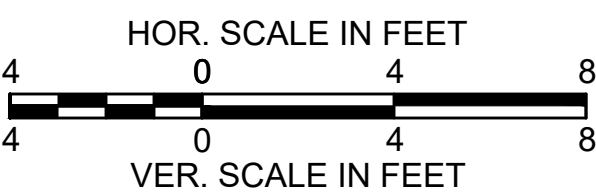
CUT: 35.48 SF
FILL: 0.00 SF

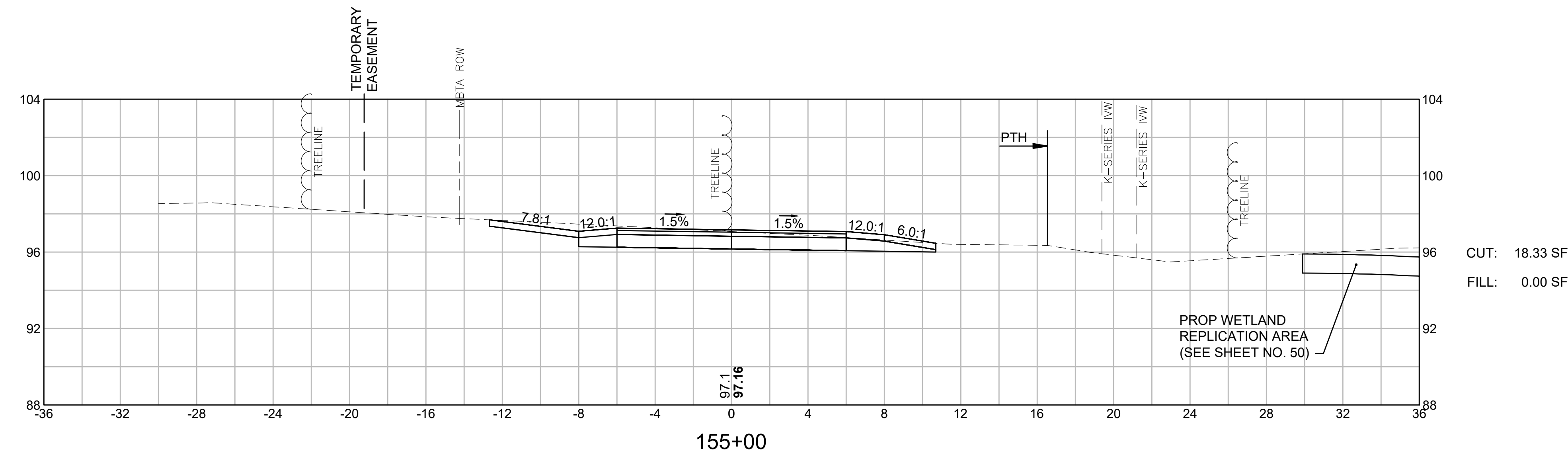
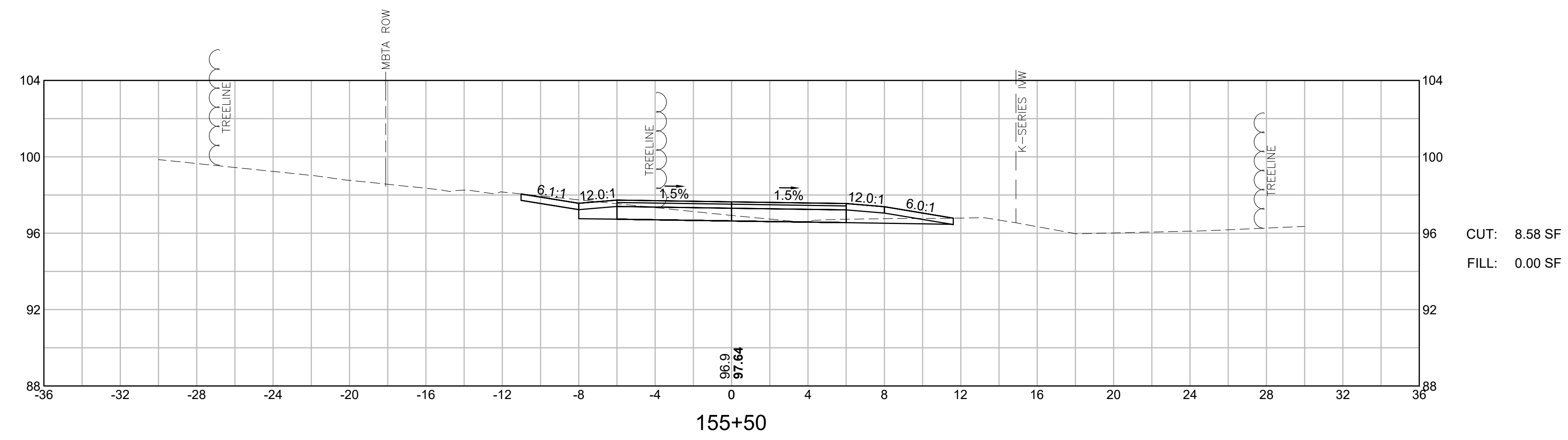
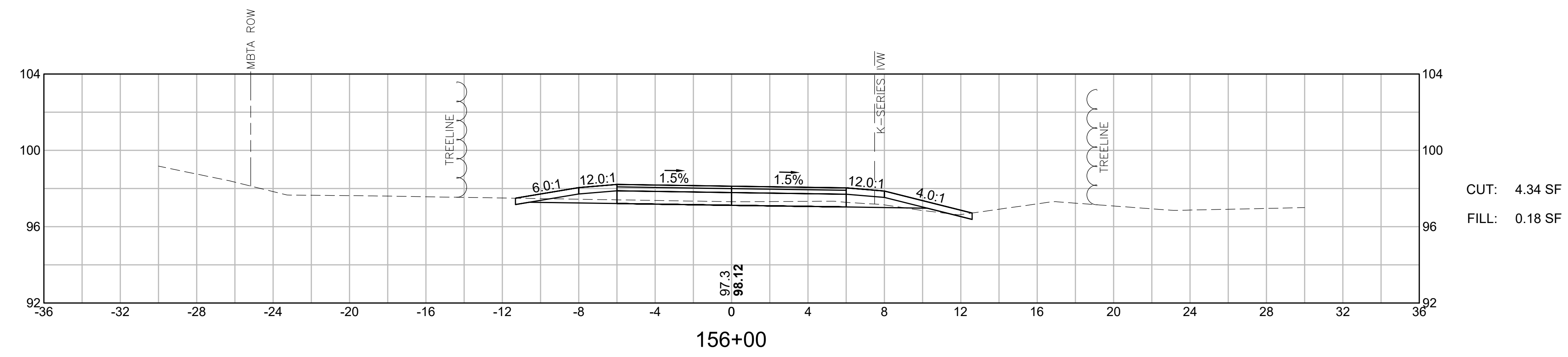


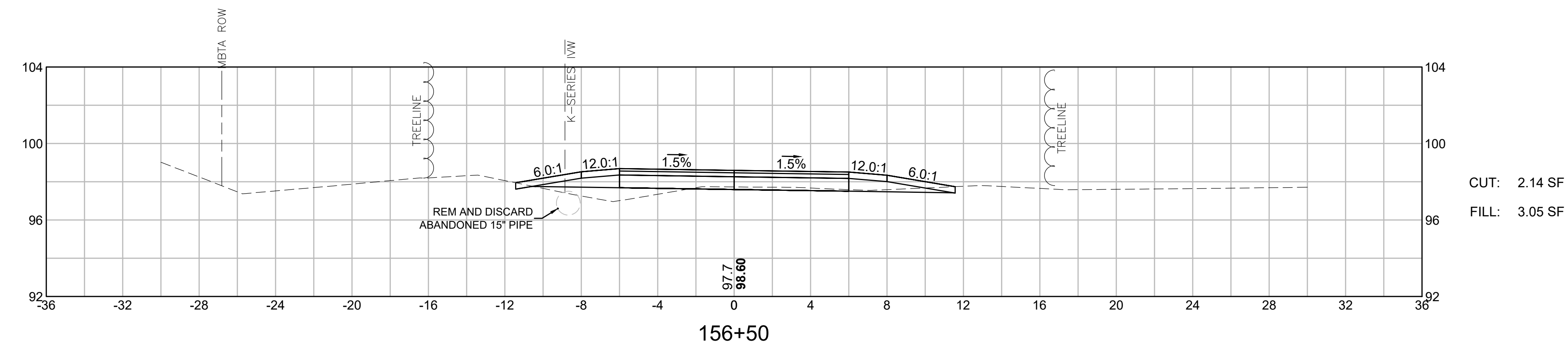
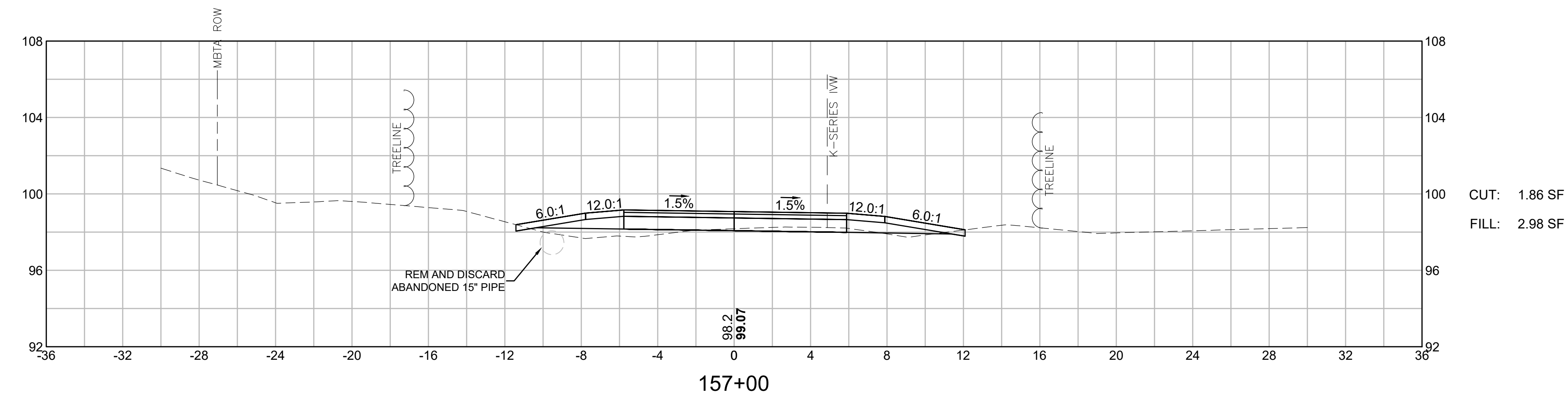
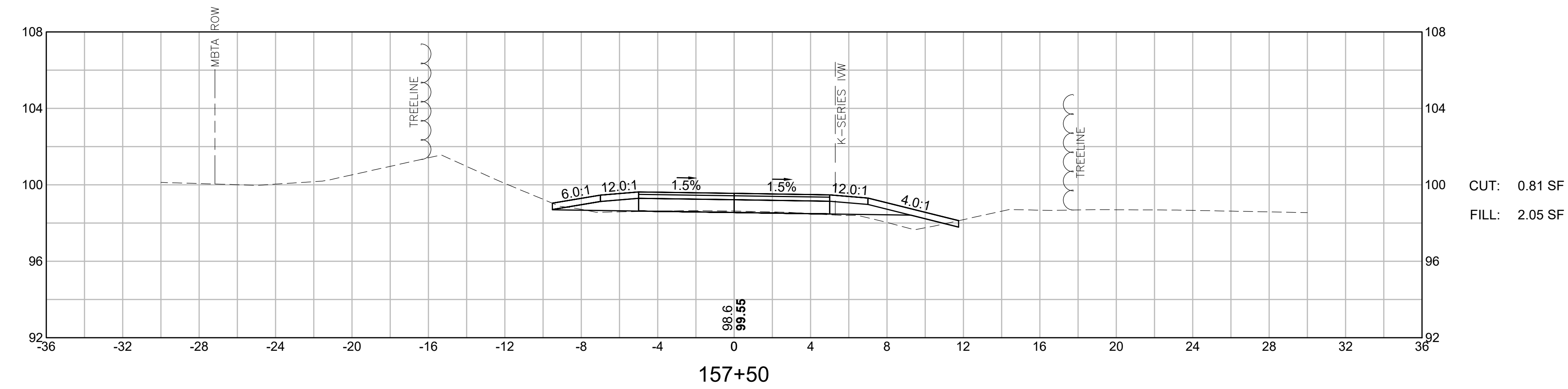
CUT: 0.00 SF
FILL: 0.00 SF



CUT: 0.25 SF
FILL: 41.38 SF





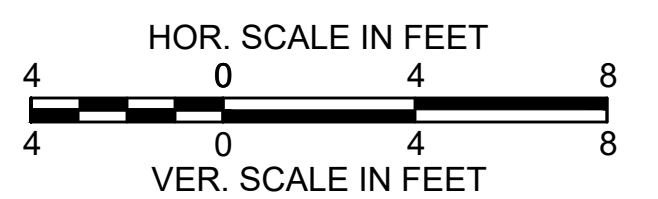
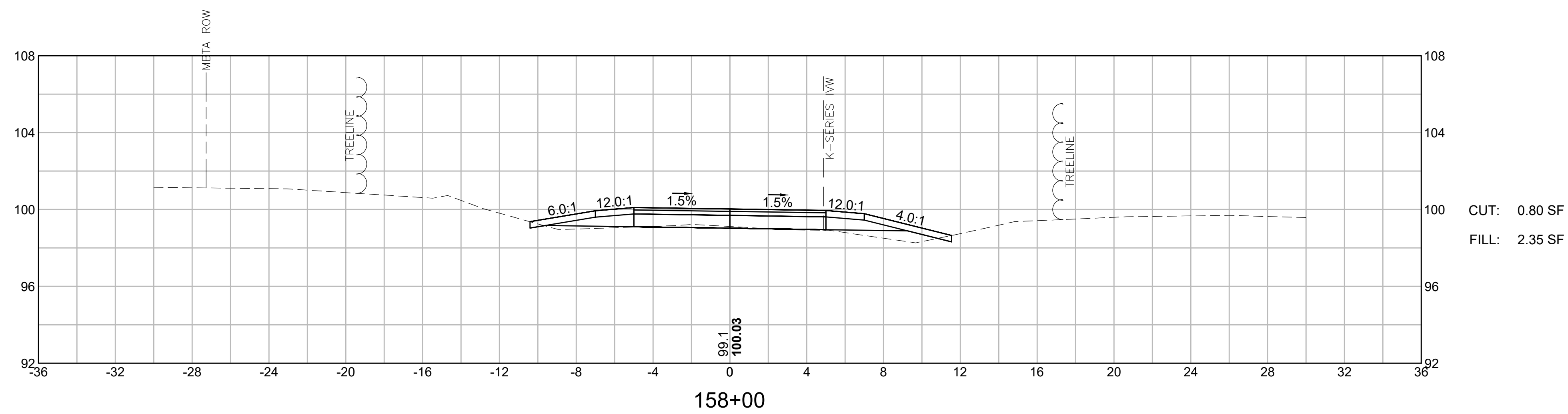
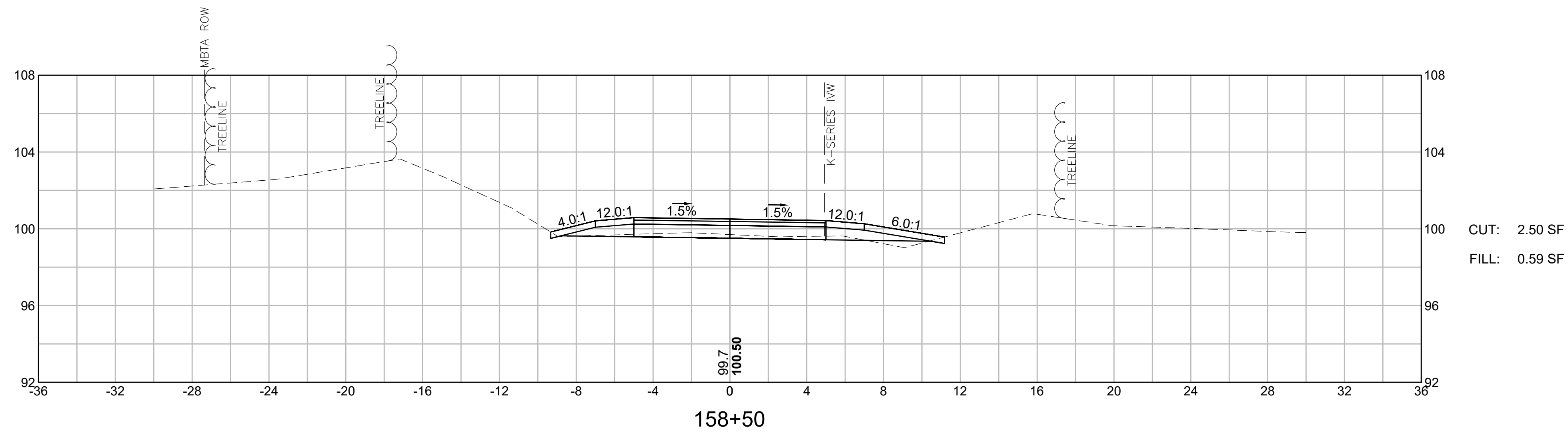
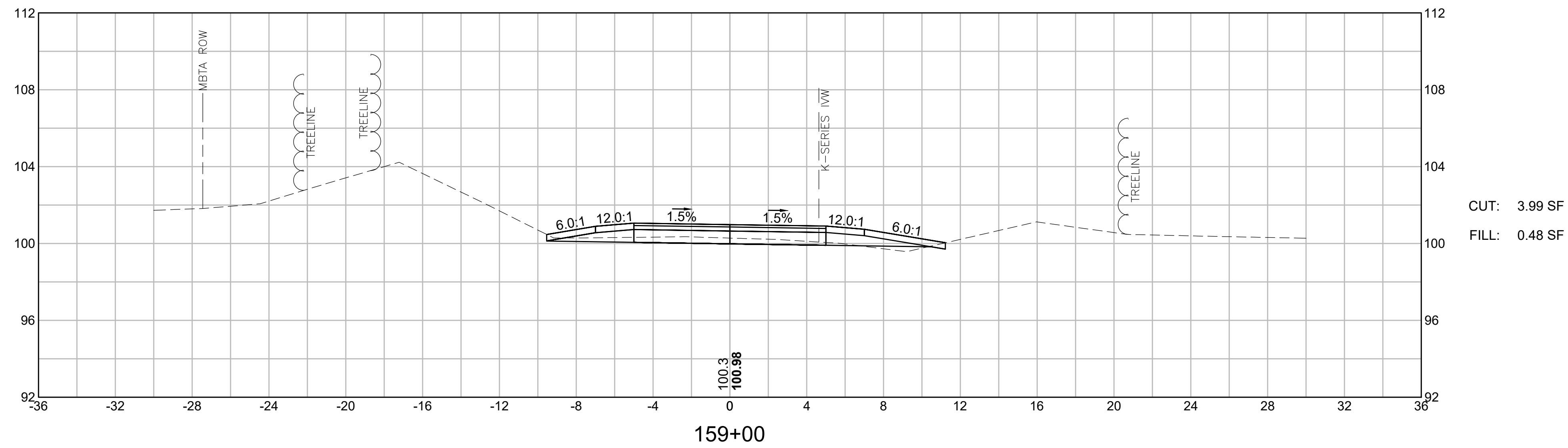


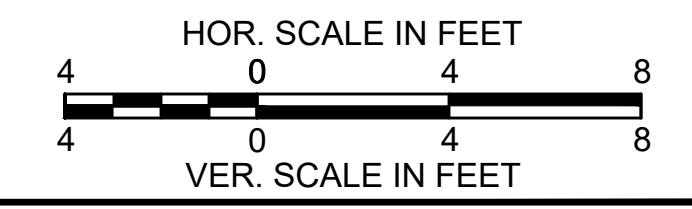
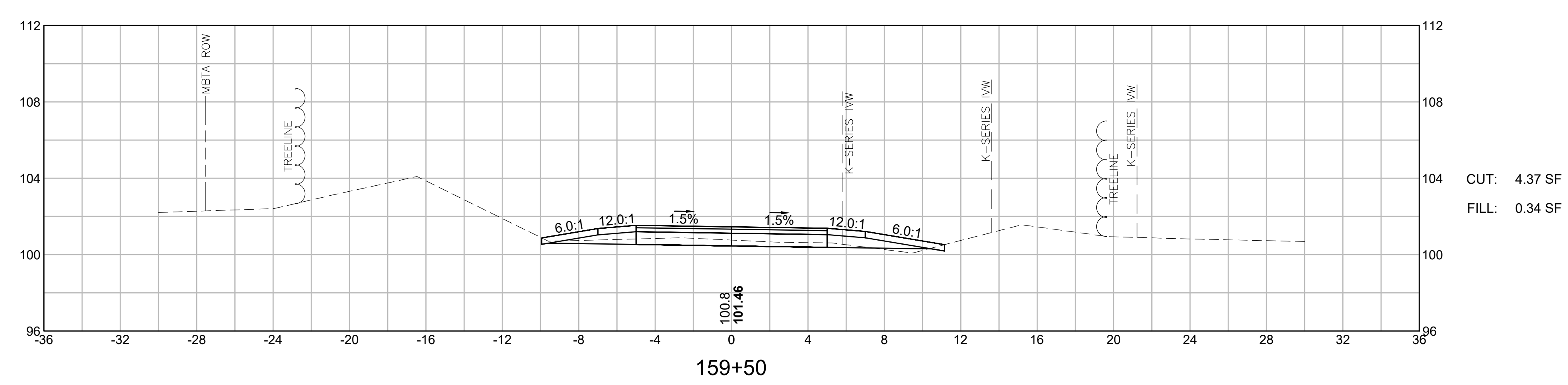
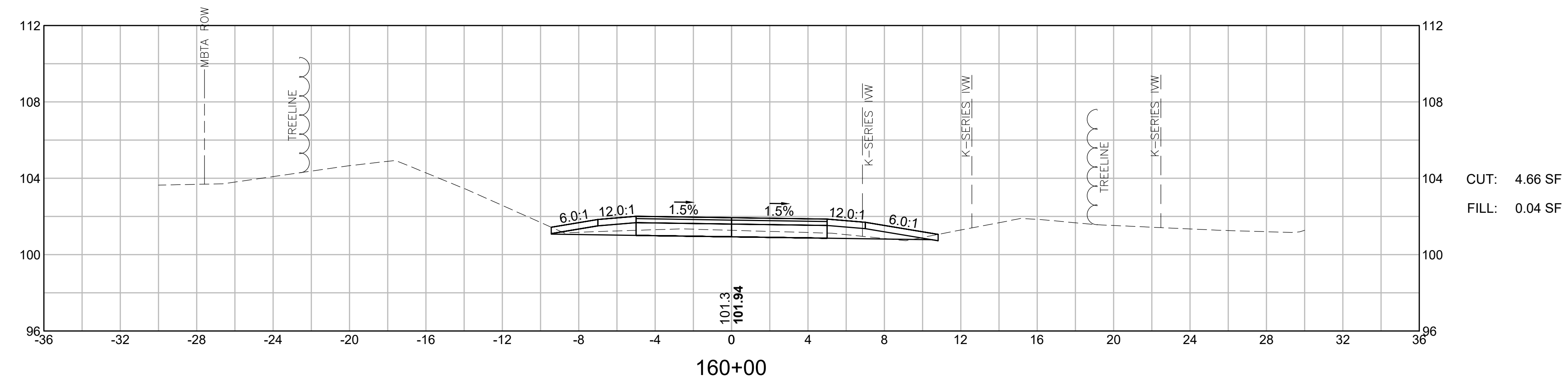
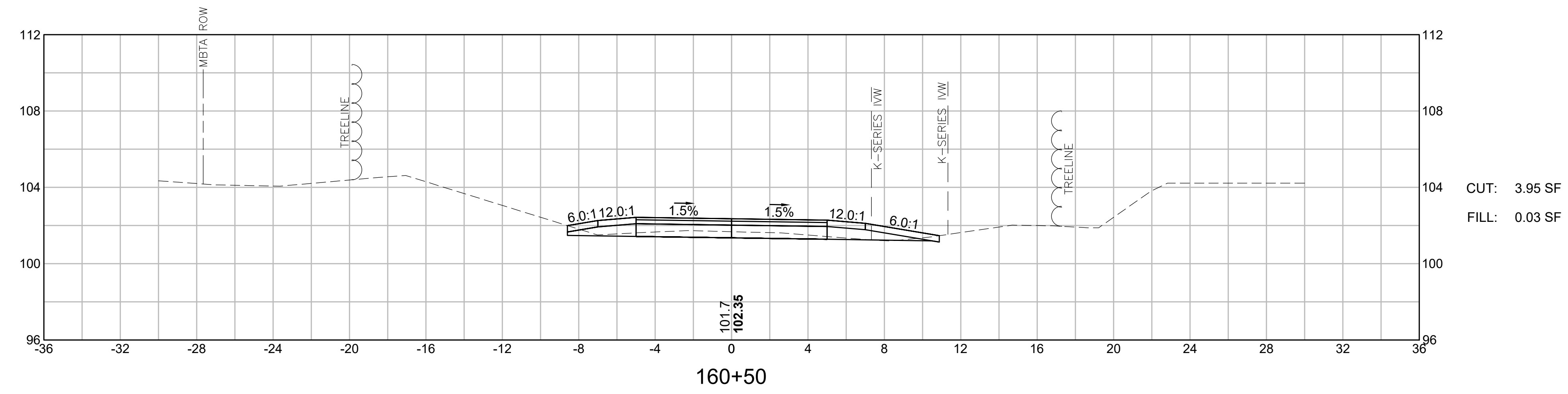
LYNNFIELD
RAIL TRAIL CONSTRUCTION

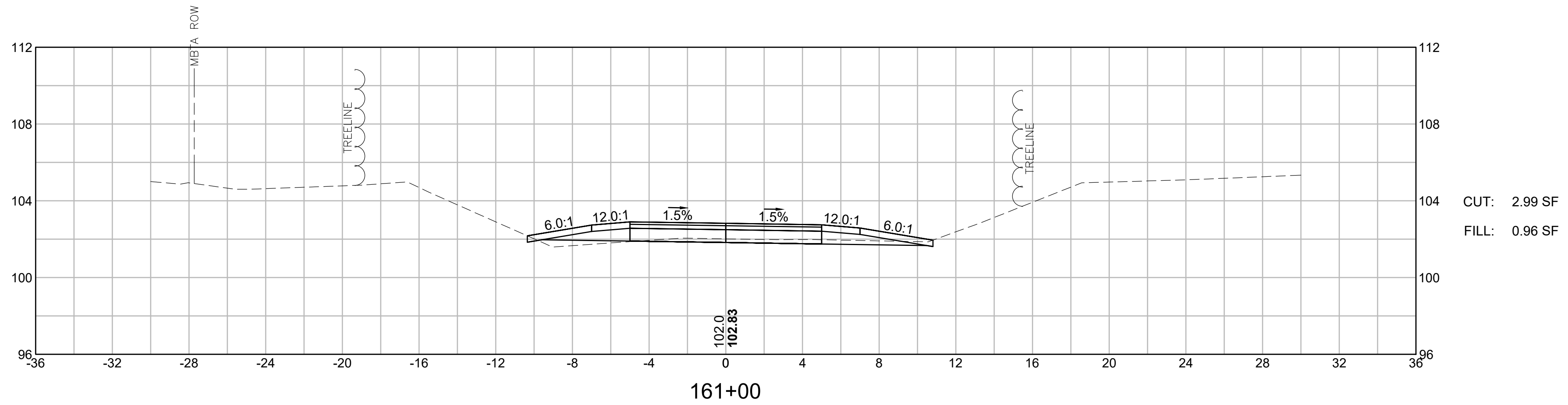
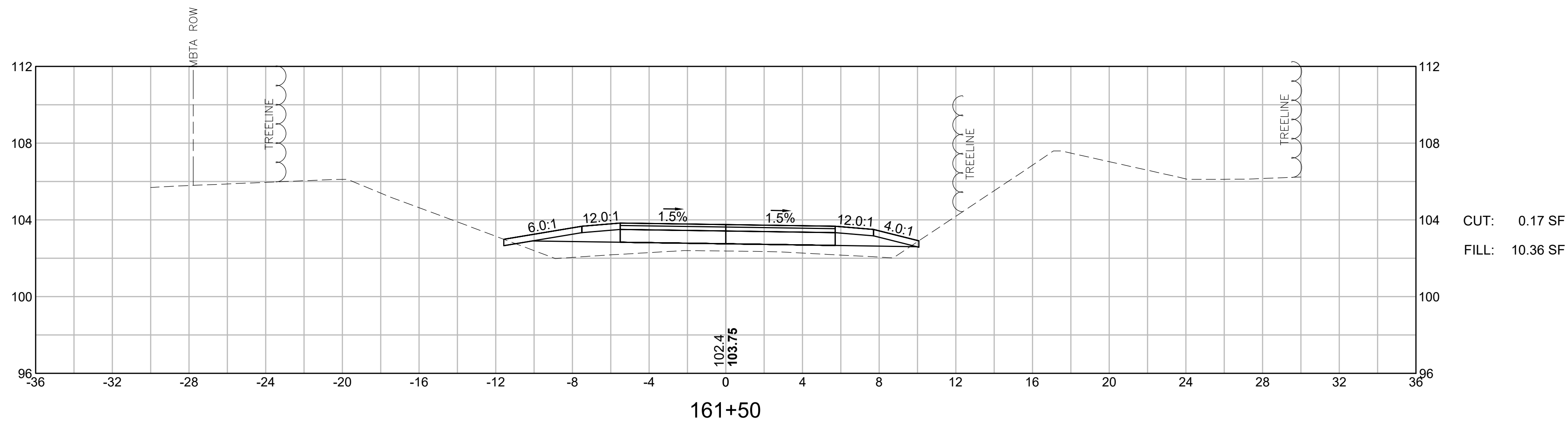
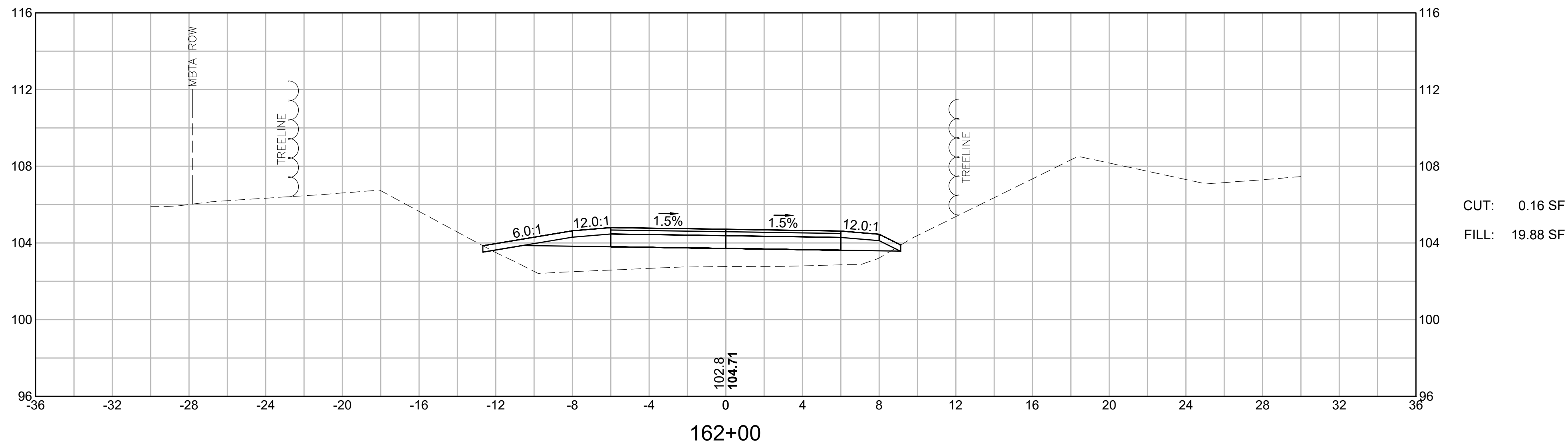
STATE	FED. AID PROJ. NO.	SHEET NO.	TOTAL SHEETS
MA	STP-0034(033)X	76	128

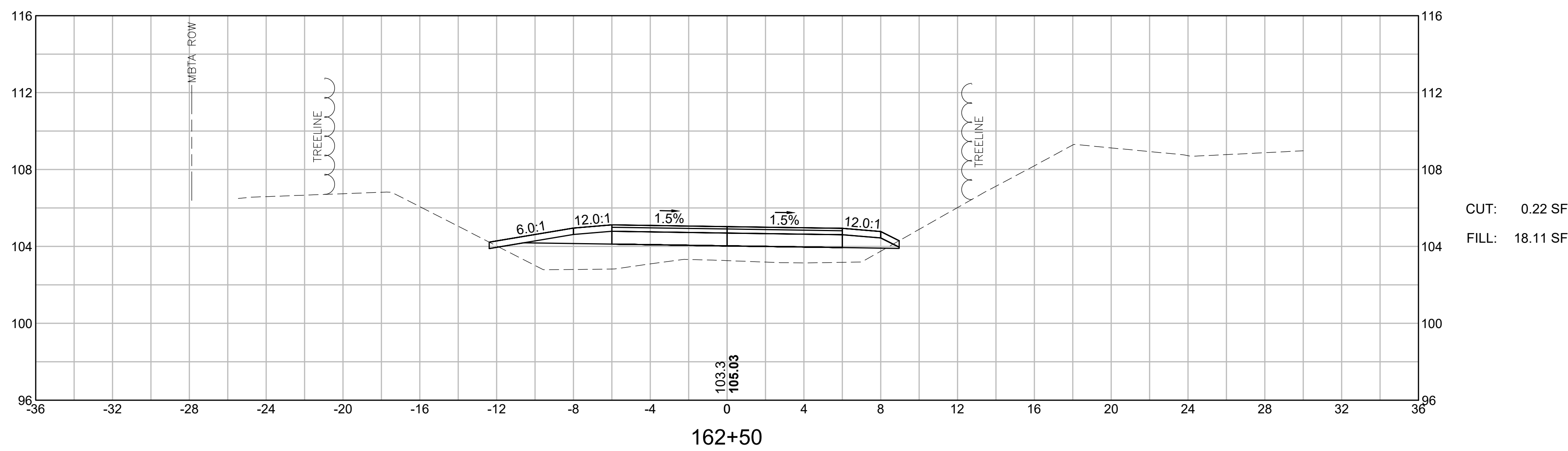
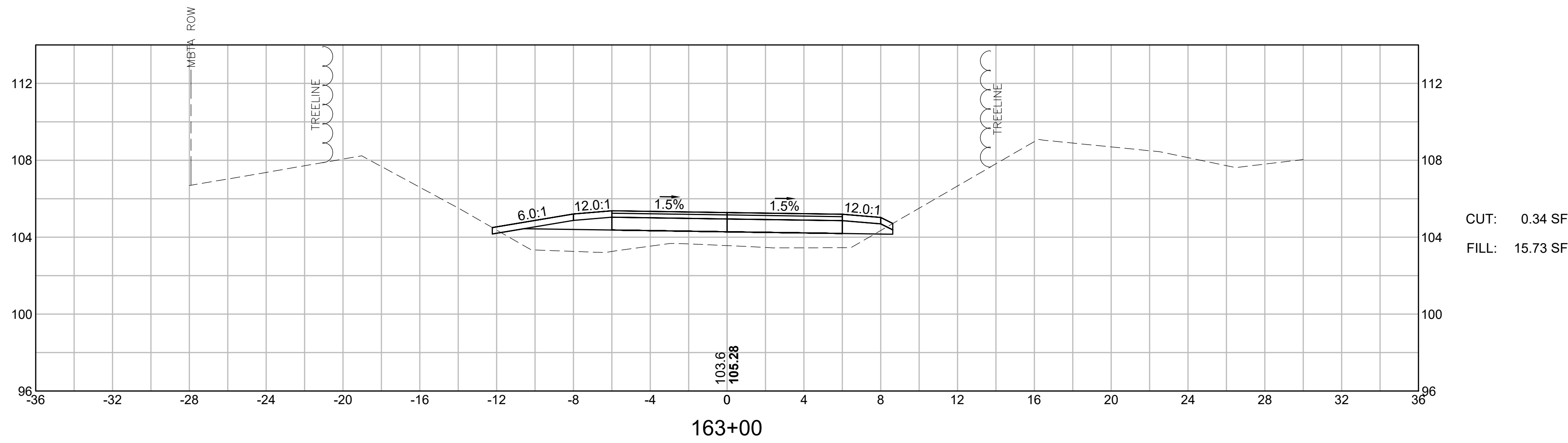
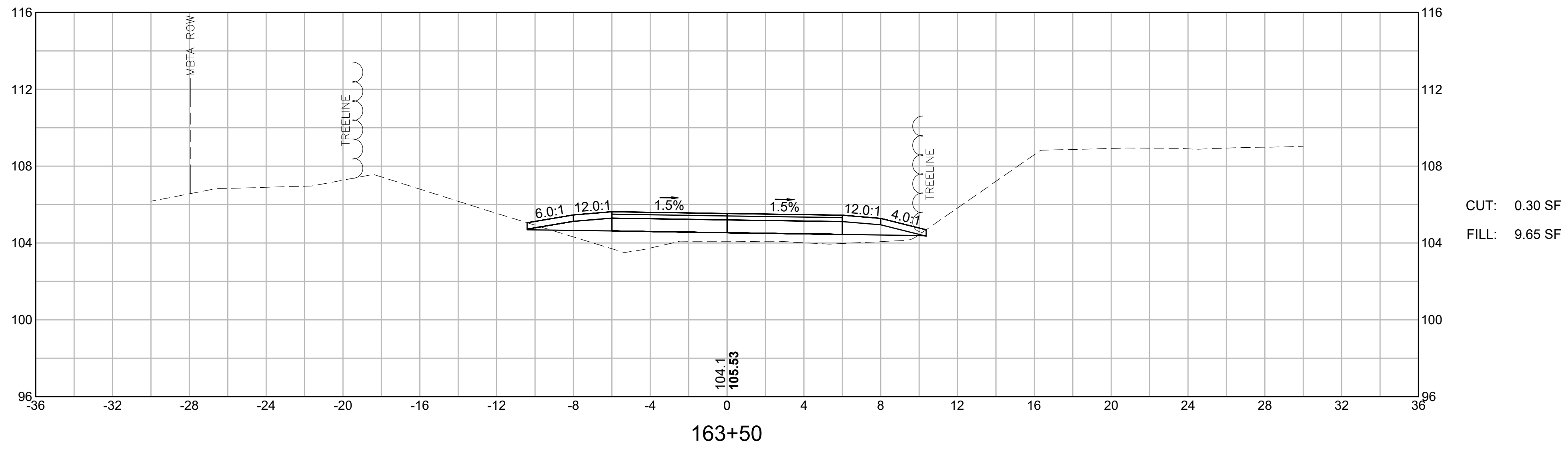
PROJECT FILE NO. 613163

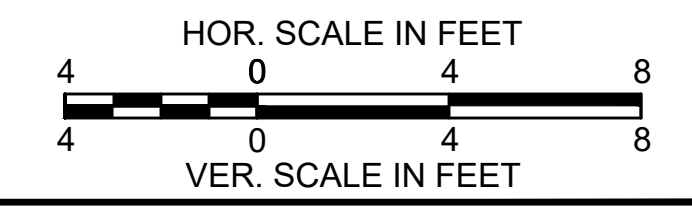
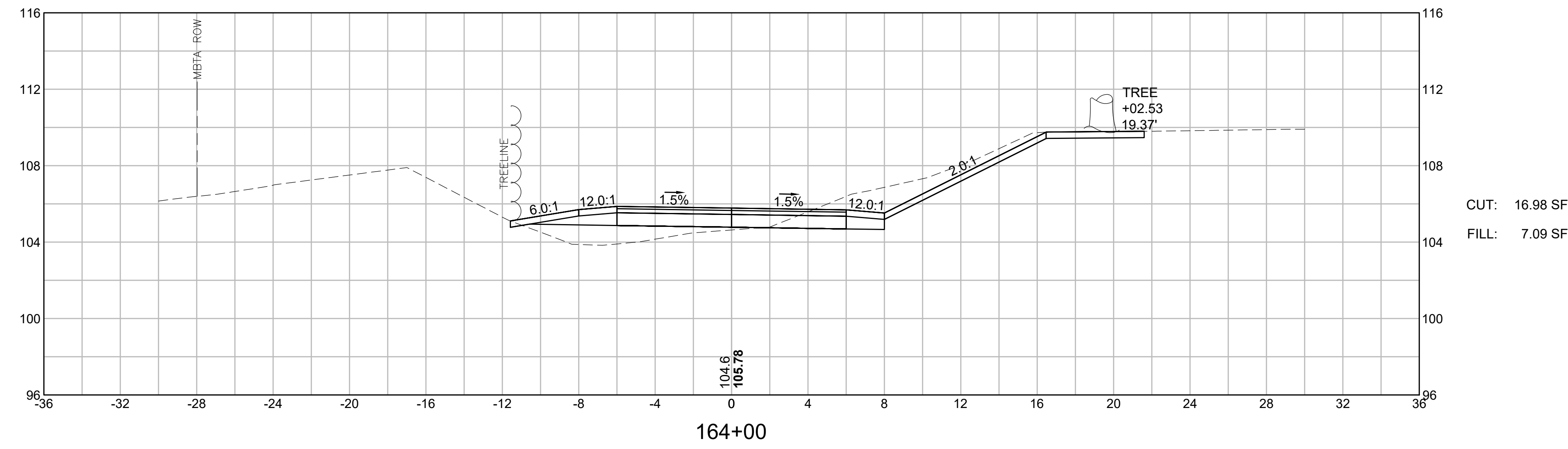
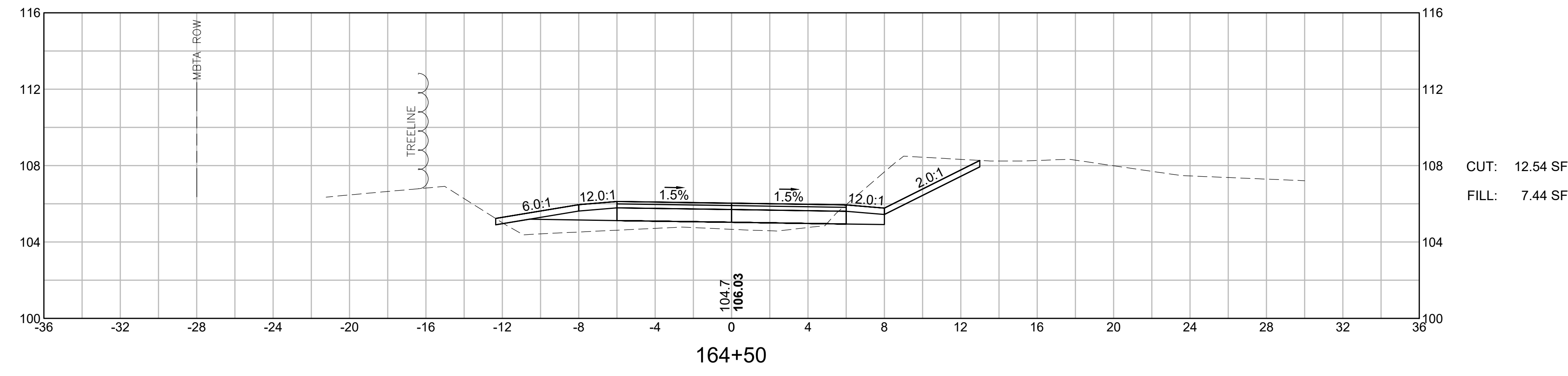
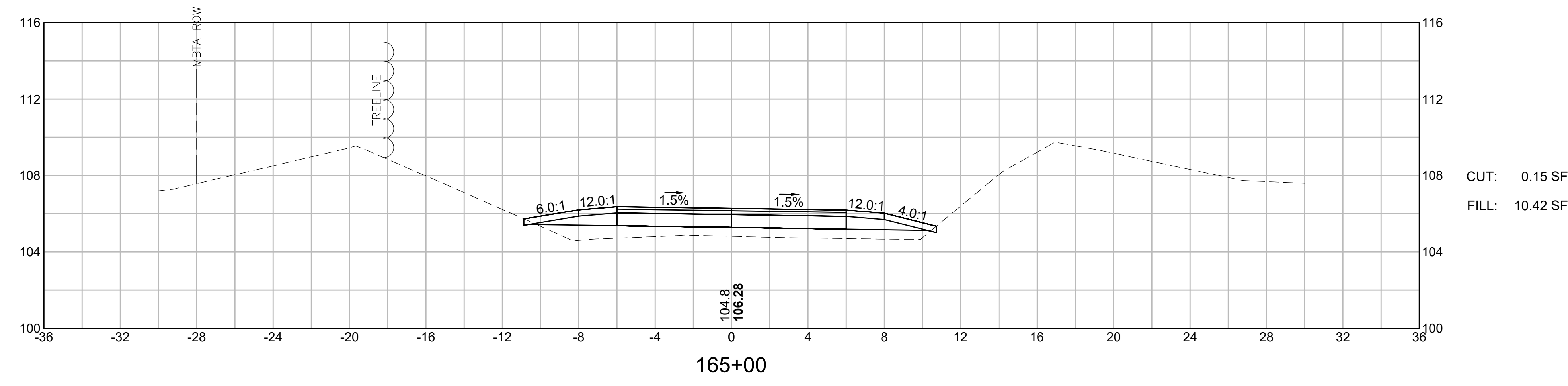
CROSS SECTIONS
LYNNFIELD RAIL TRAIL
PART 19 OF 71

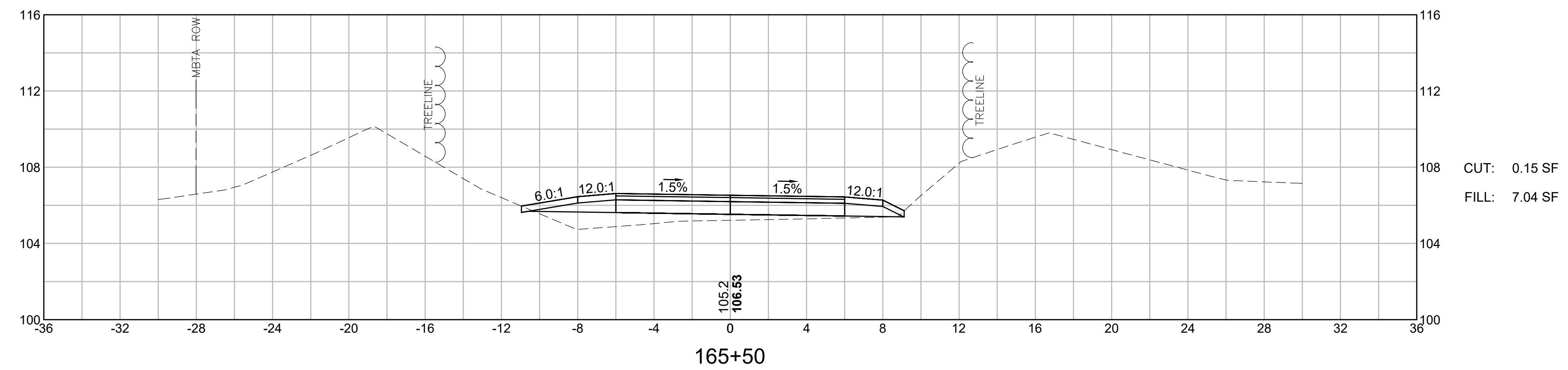
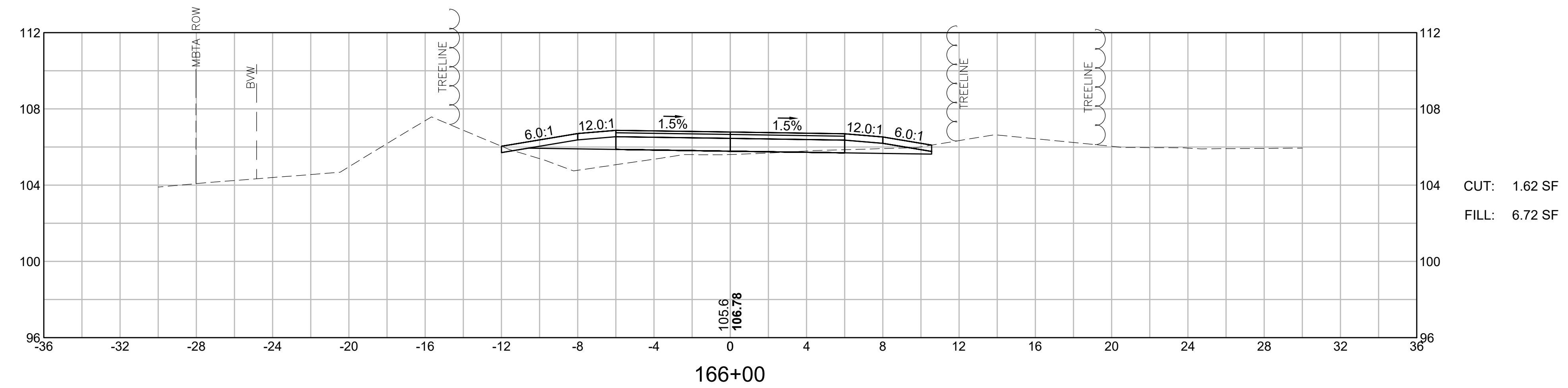
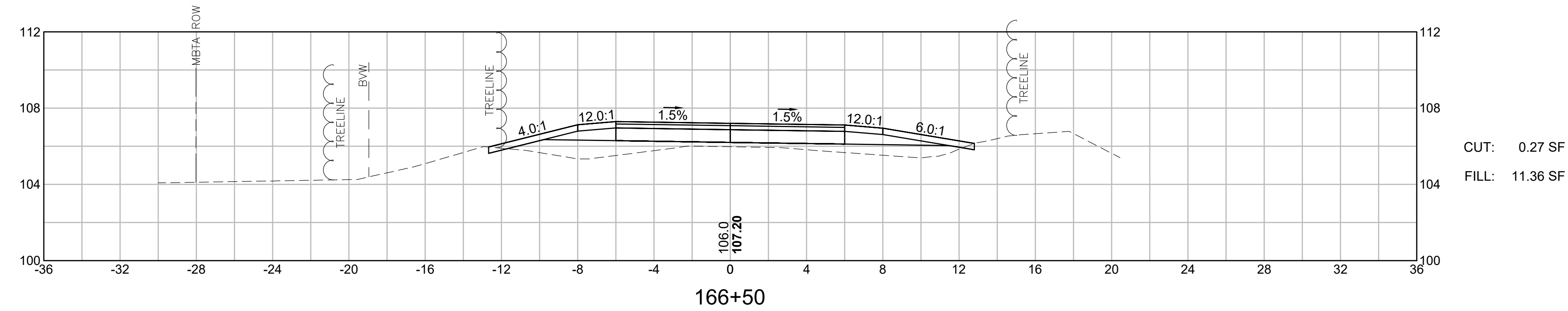


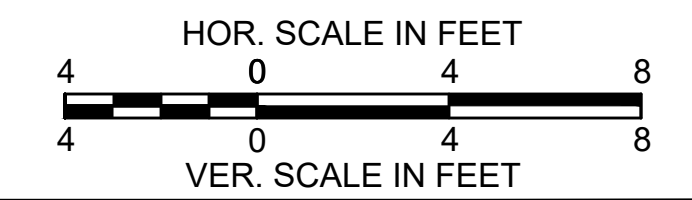
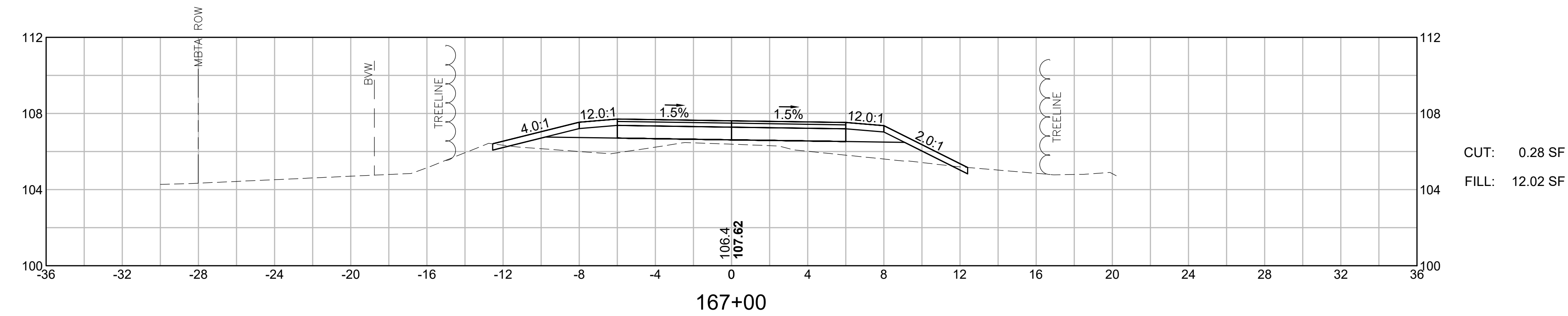
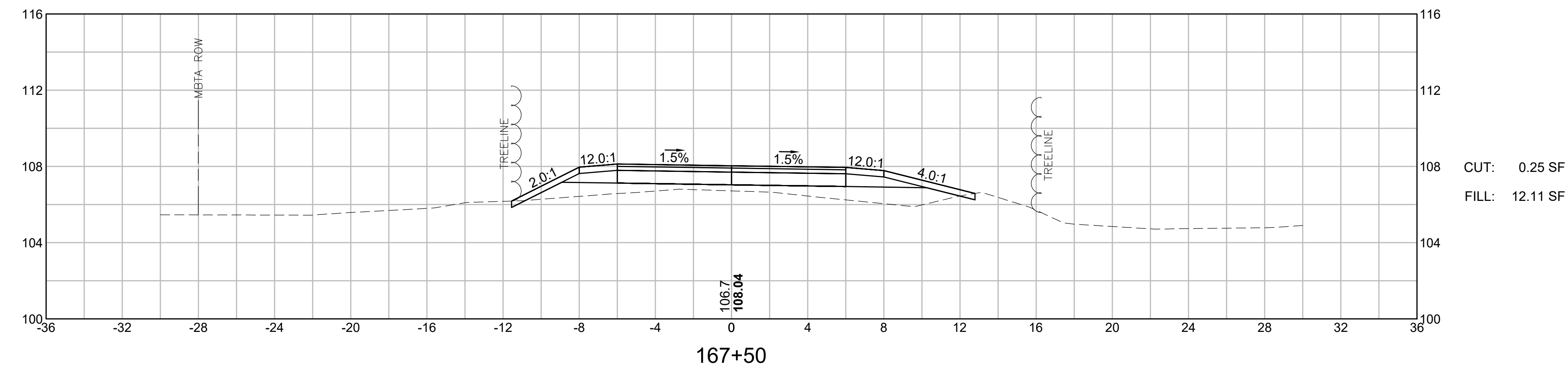
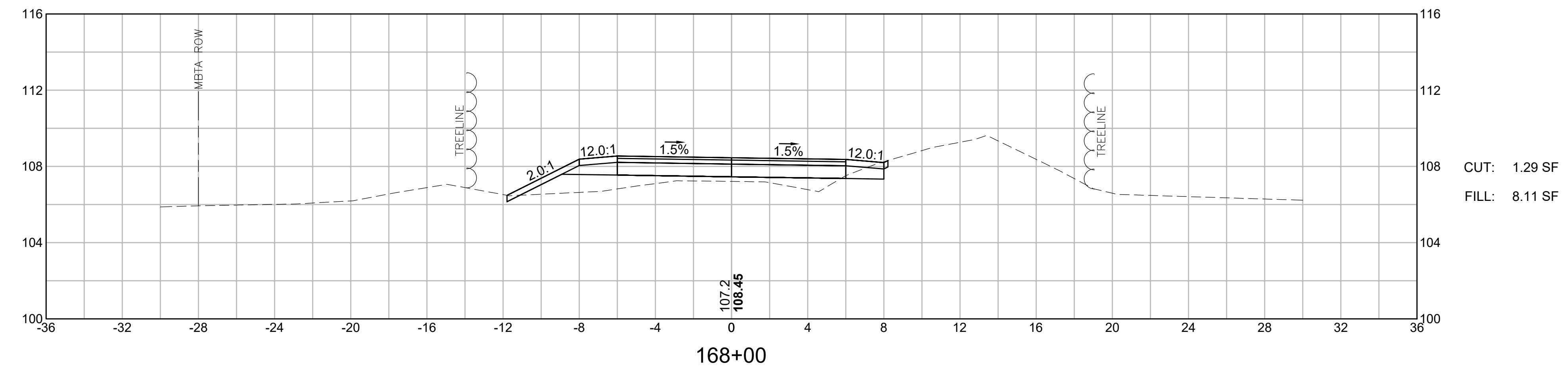


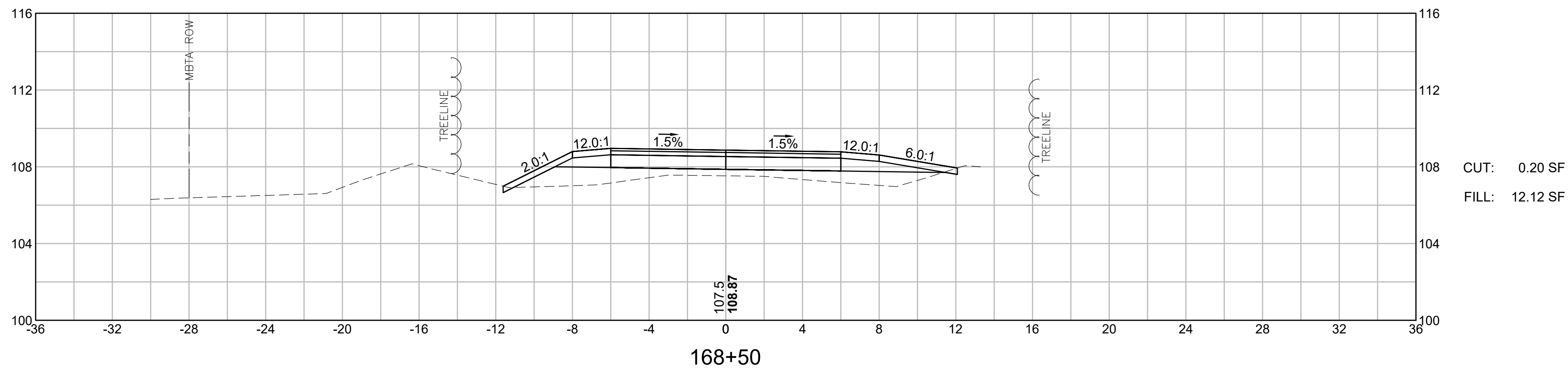
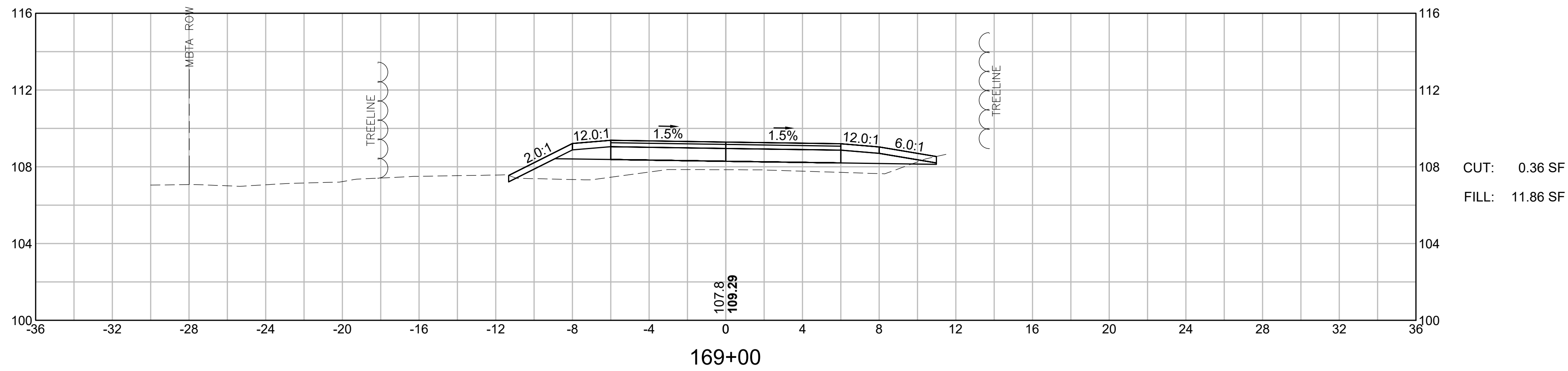
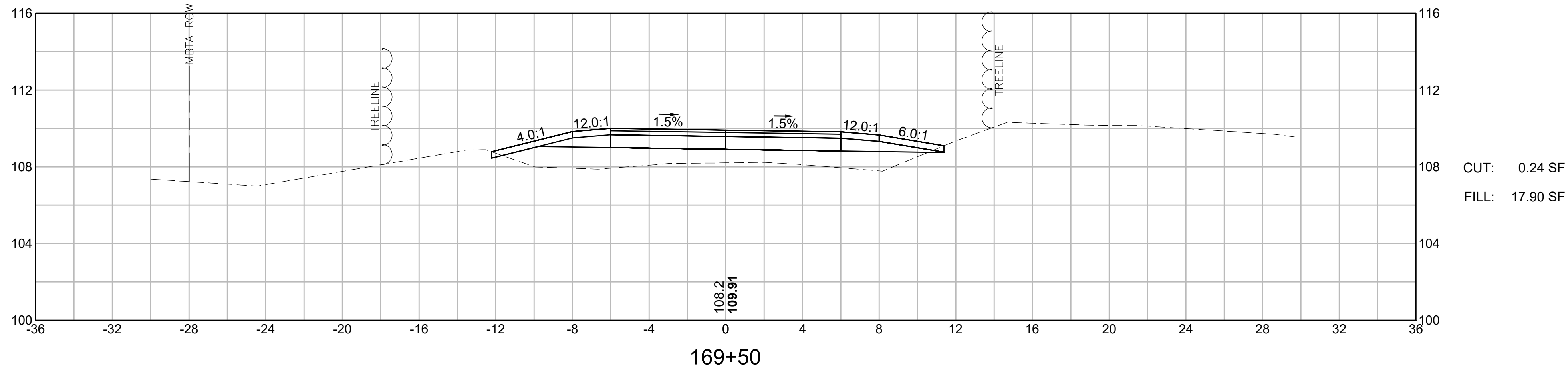








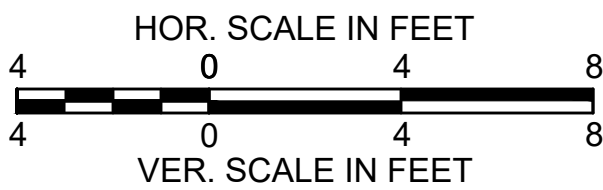
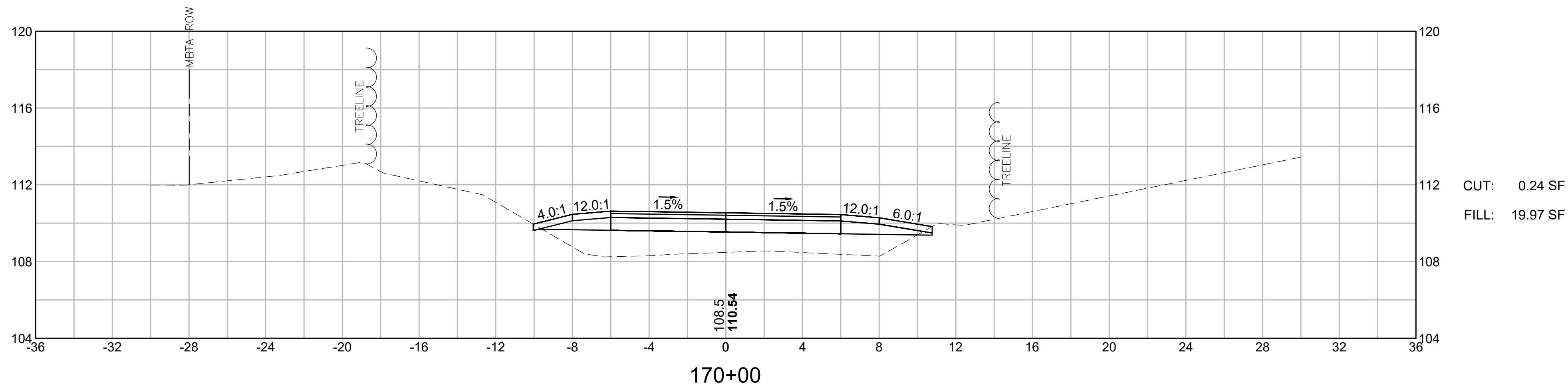
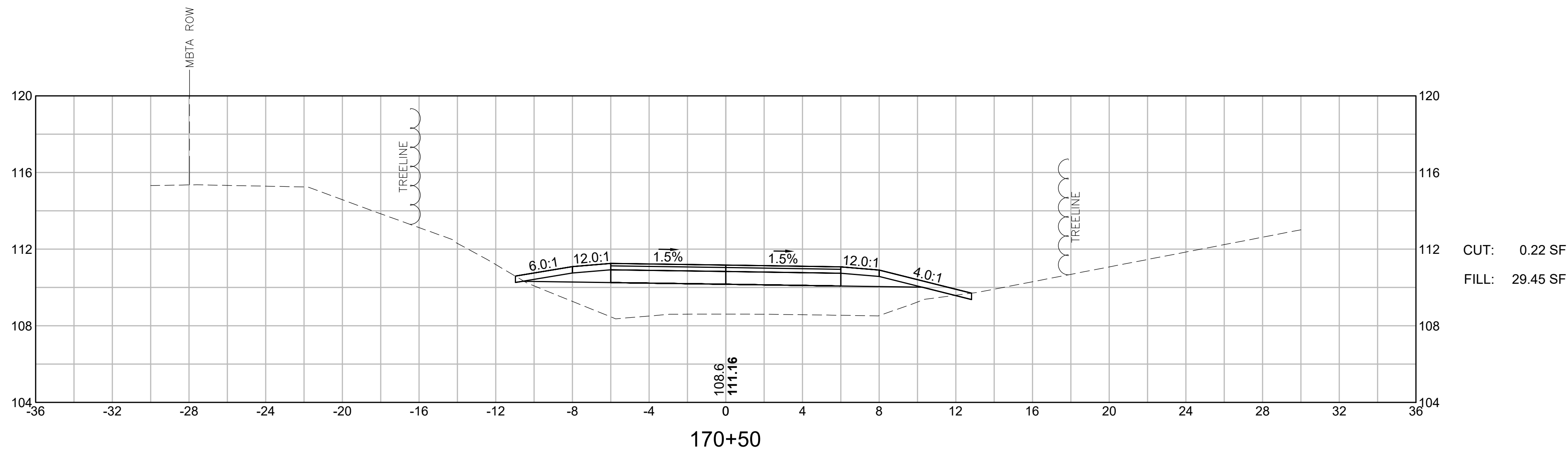
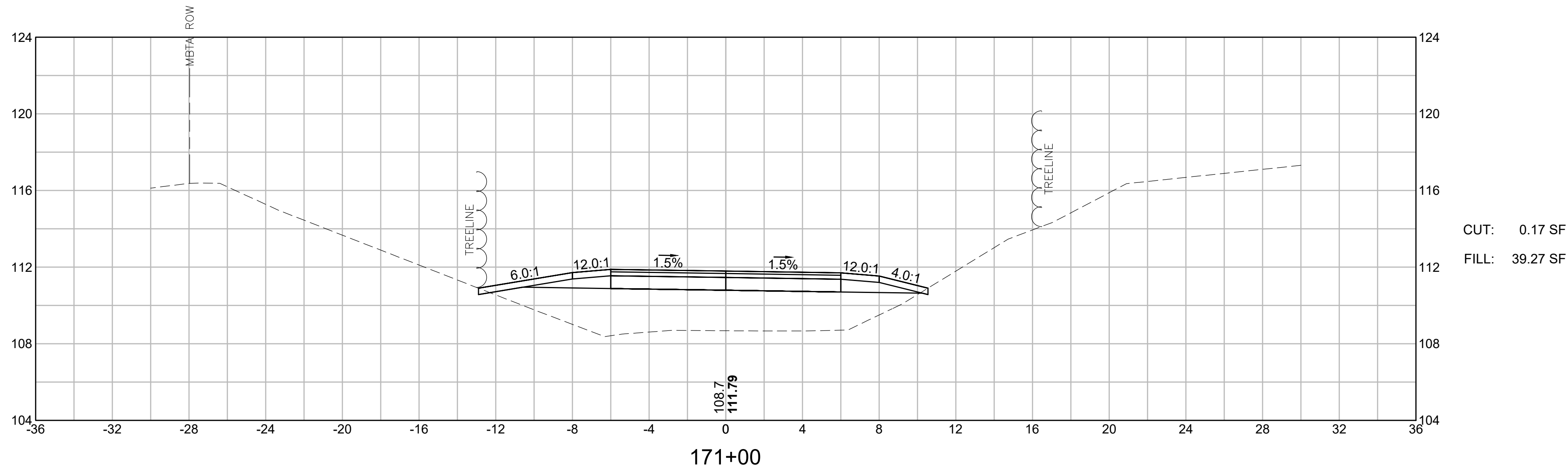




LYNNFIELD
RAIL TRAIL CONSTRUCTION

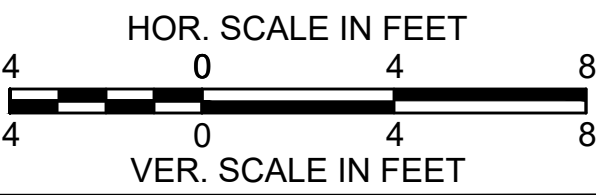
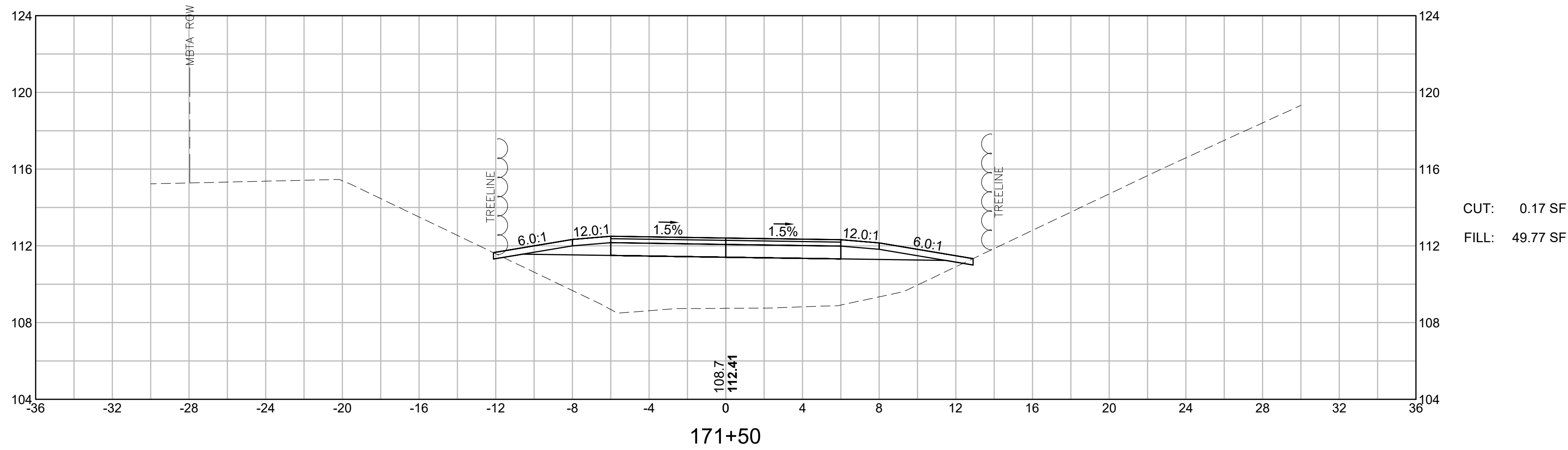
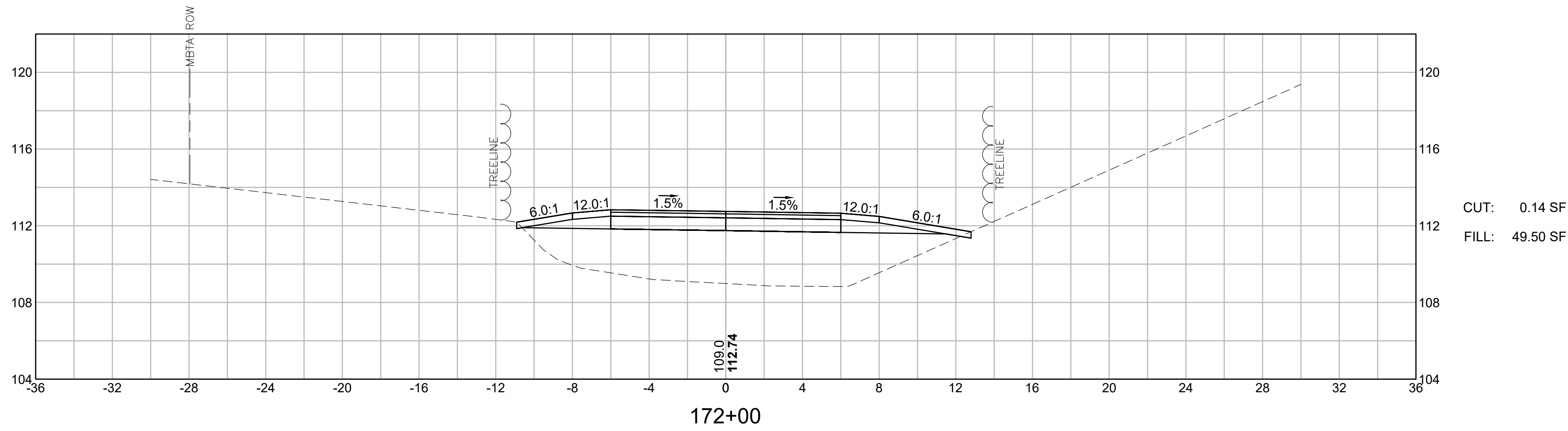
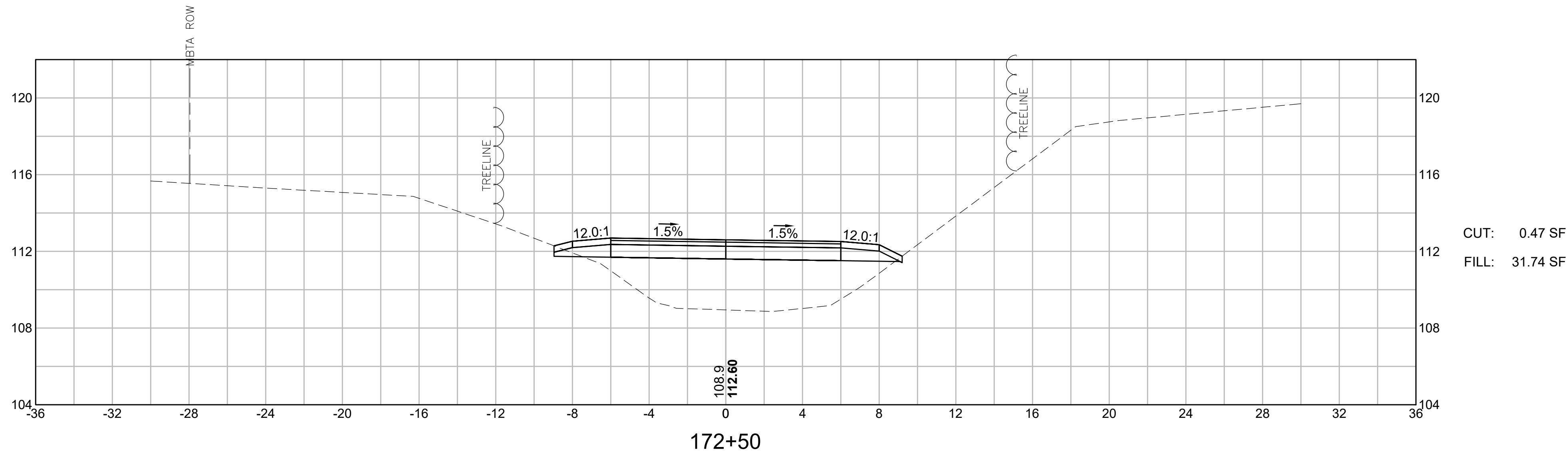
STATE	FED. AID PROJ. NO.	SHEET NO.	TOTAL SHEETS
MA	STP-0034(033)X	84	128
PROJECT FILE NO. 613163			

CROSS SECTIONS
LYNNFIELD RAIL TRAIL
PART 27 OF 71



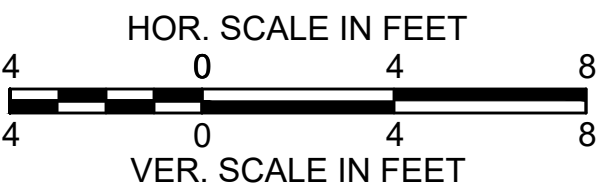
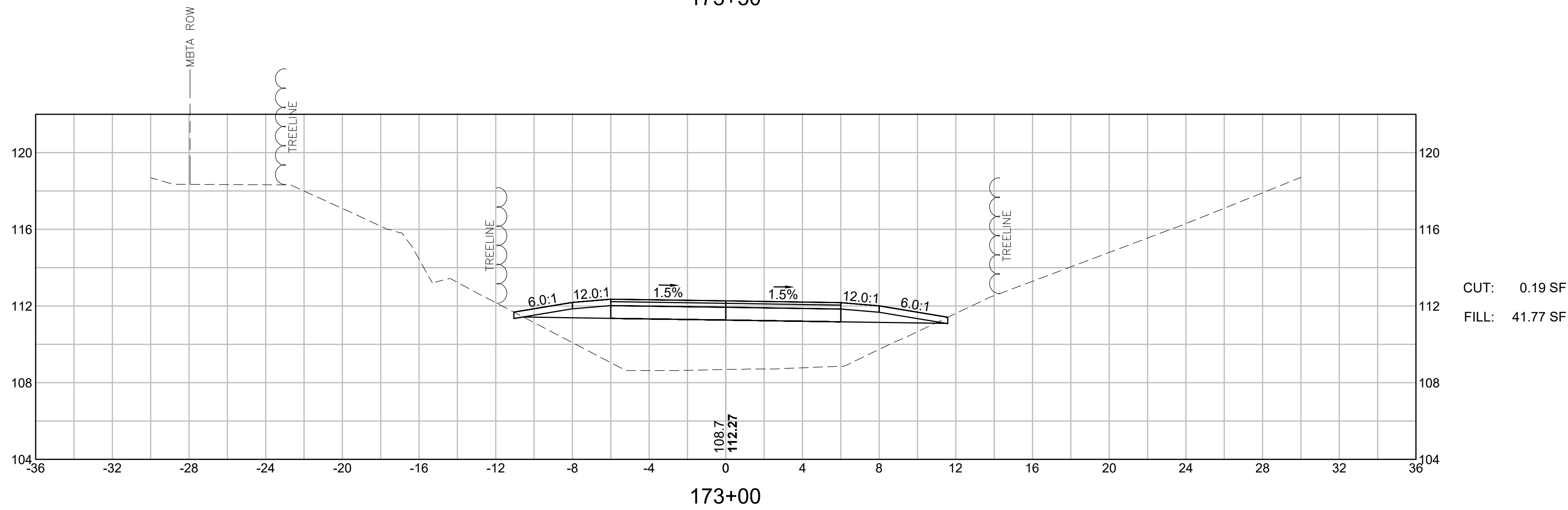
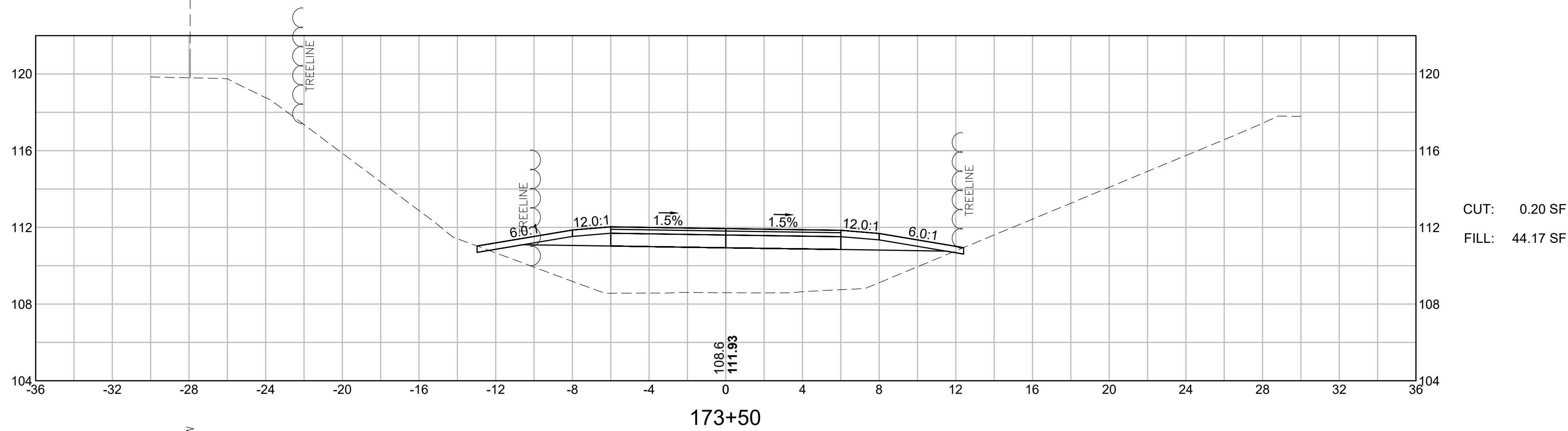
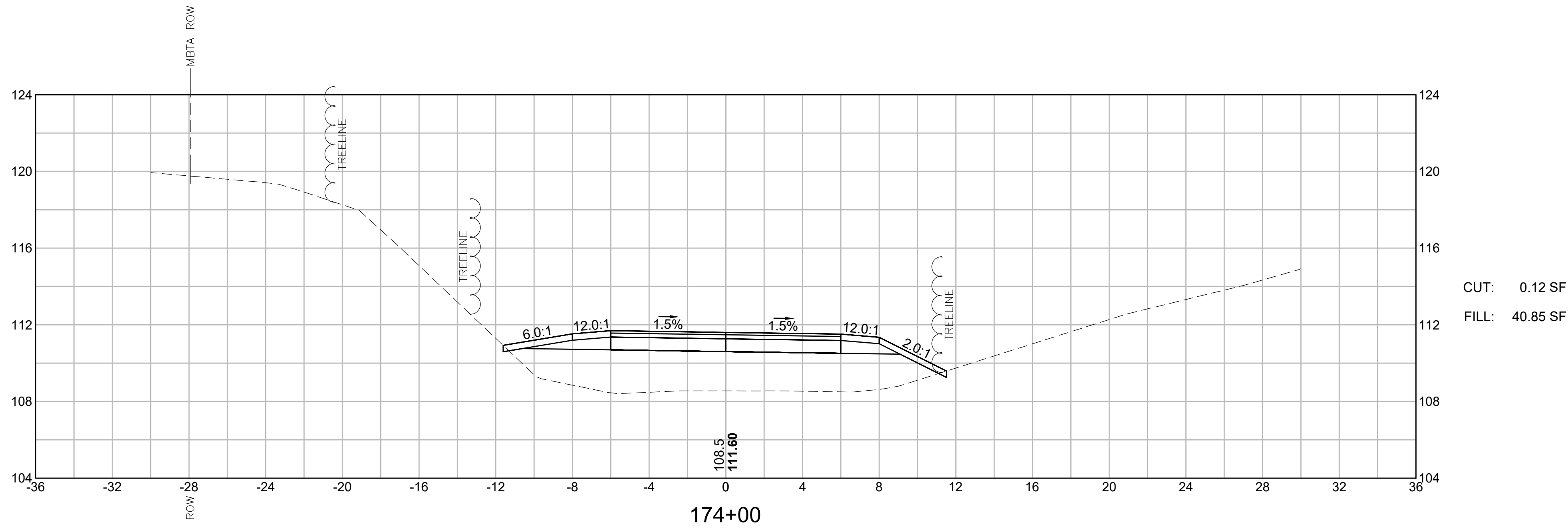
LYNNFIELD RAIL TRAIL CONSTRUCTION			
STATE	FED. AID PROJ. NO.	SHEET NO.	TOTAL SHEETS
MA	STP-0034(033)X	85	128
PROJECT FILE NO. 613163			

CROSS SECTIONS
LYNNFIELD RAIL TRAIL
PART 28 OF 71



LYNNFIELD RAIL TRAIL CONSTRUCTION			
STATE	FED. AID PROJ. NO.	SHEET NO.	TOTAL SHEETS
MA	STP-0034(033)X	86	128
PROJECT FILE NO. 613163			

CROSS SECTIONS
LYNNFIELD RAIL TRAIL
PART 29 OF 71

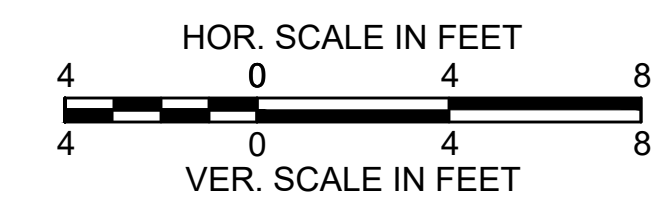
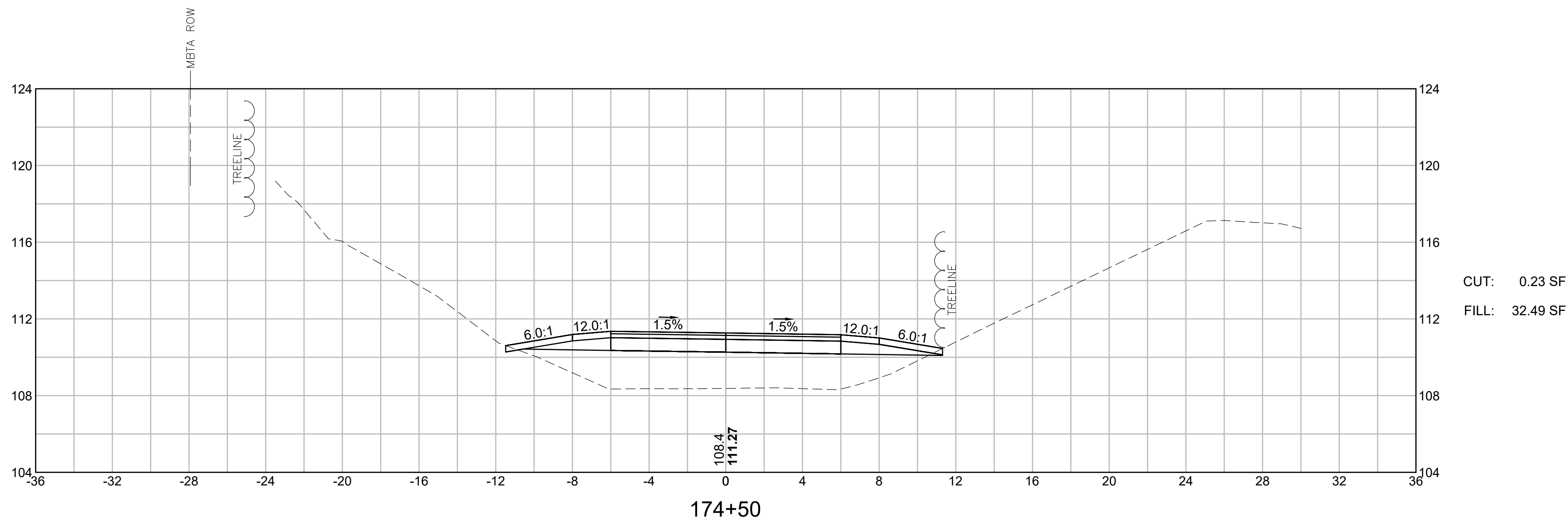
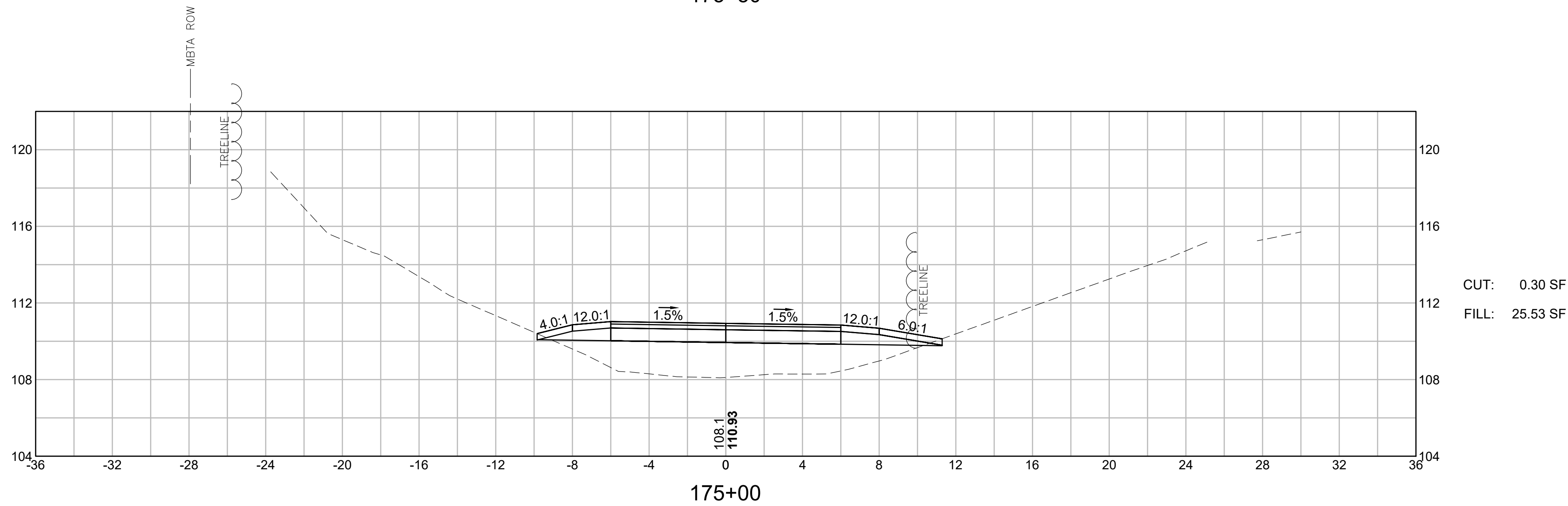
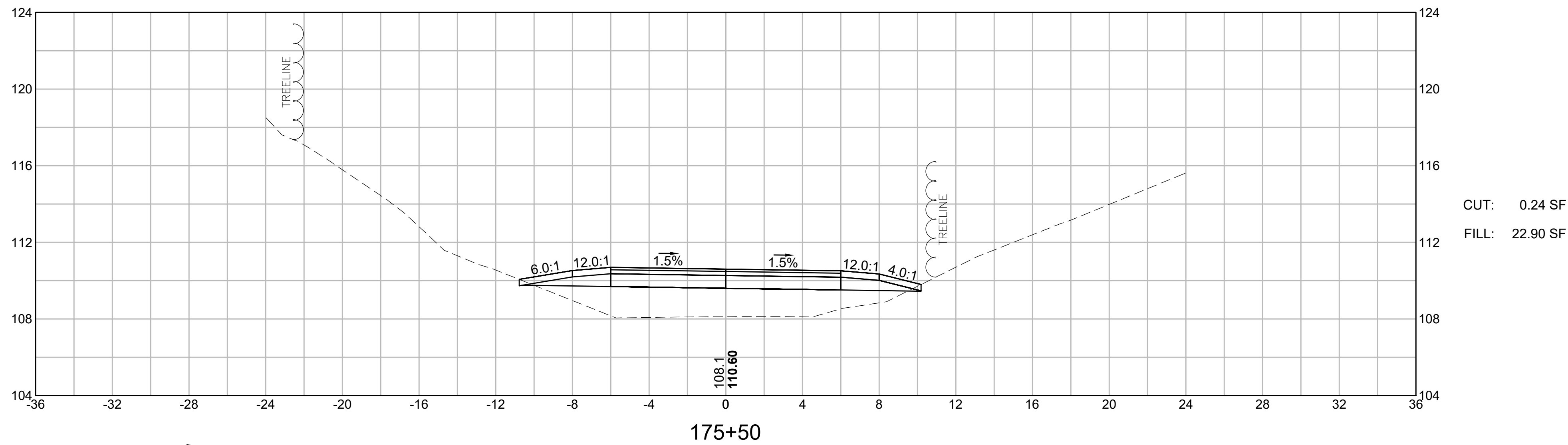


LYNNFIELD
RAIL TRAIL CONSTRUCTION

STATE	FED. AID PROJ. NO.	SHEET NO.	TOTAL SHEETS
MA	STP-0034(033)X	87	128

PROJECT FILE NO. 613163

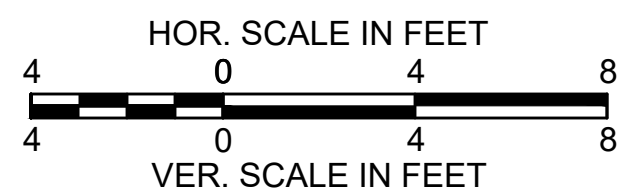
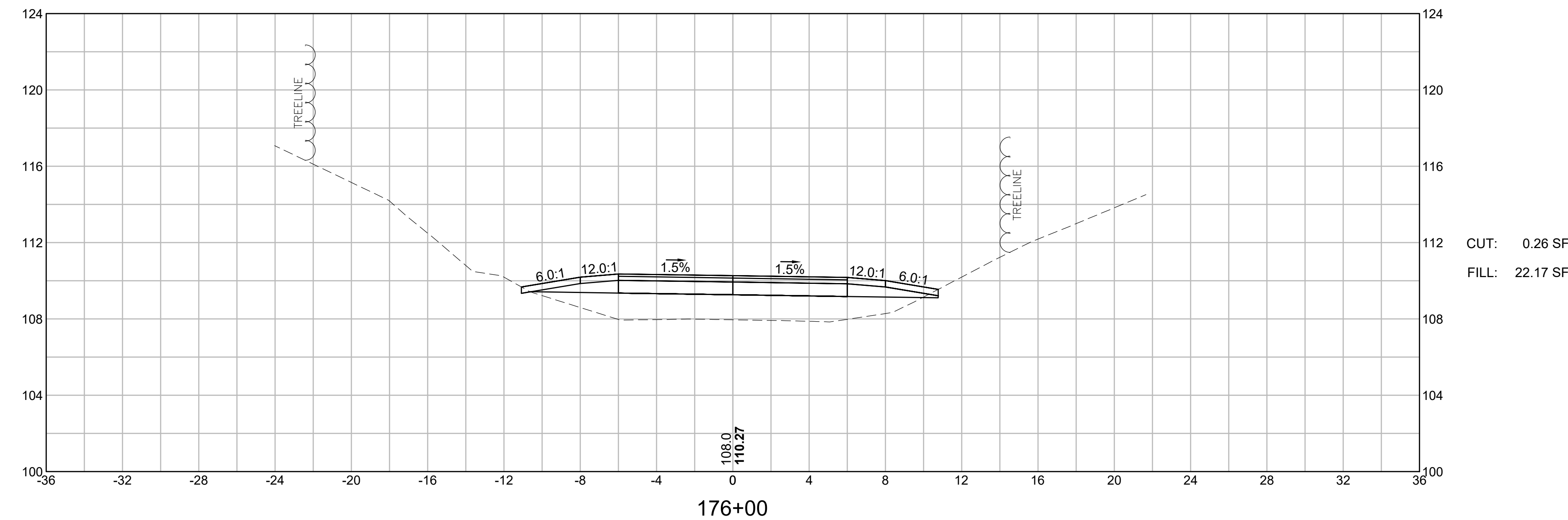
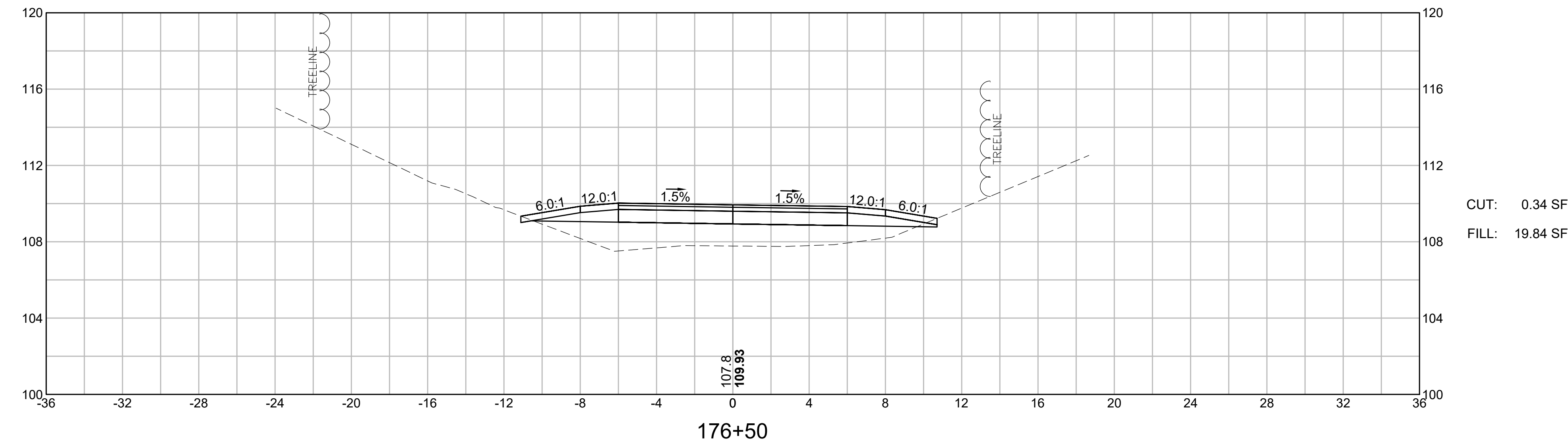
CROSS SECTIONS
LYNNFIELD RAIL TRAIL
PART 30 OF 71



LYNNFIELD
RAIL TRAIL CONSTRUCTION

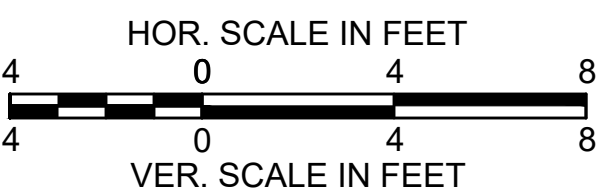
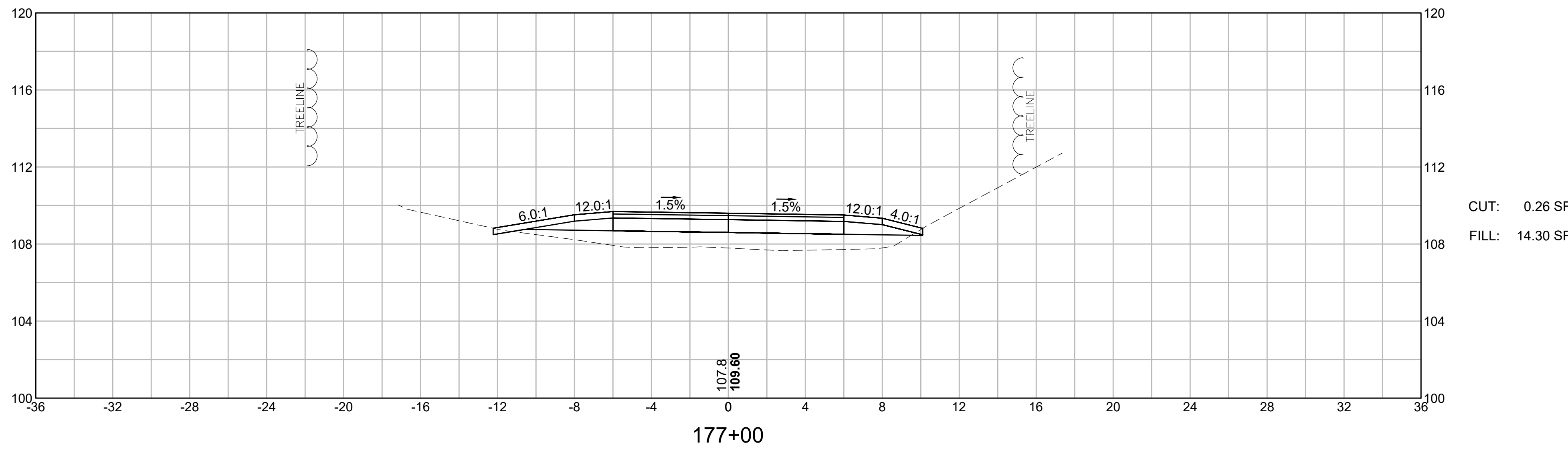
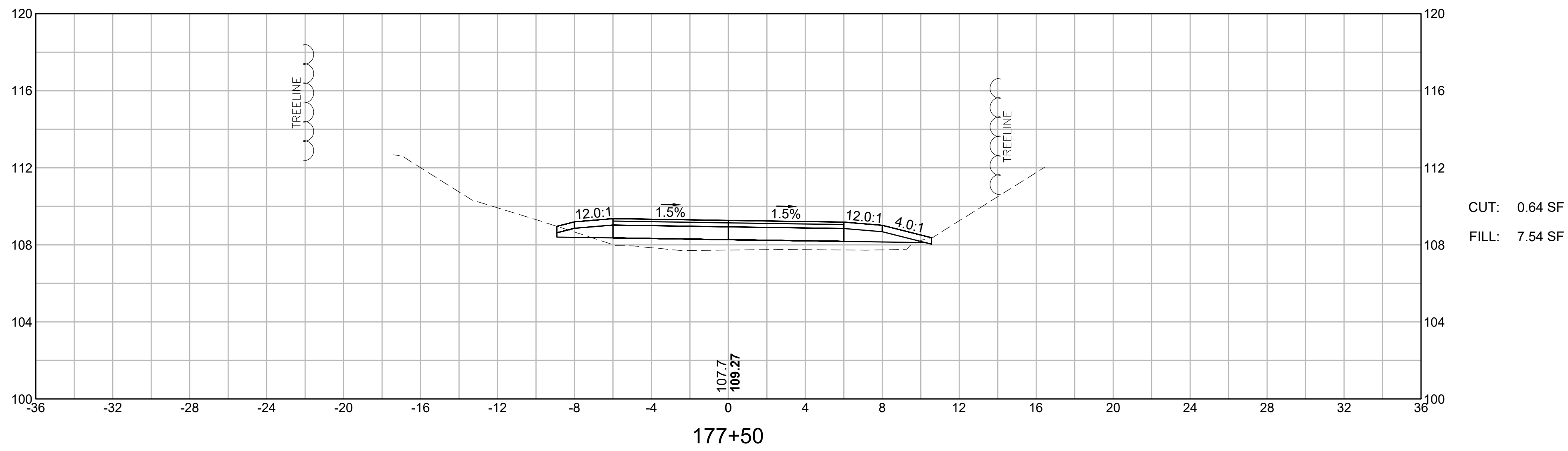
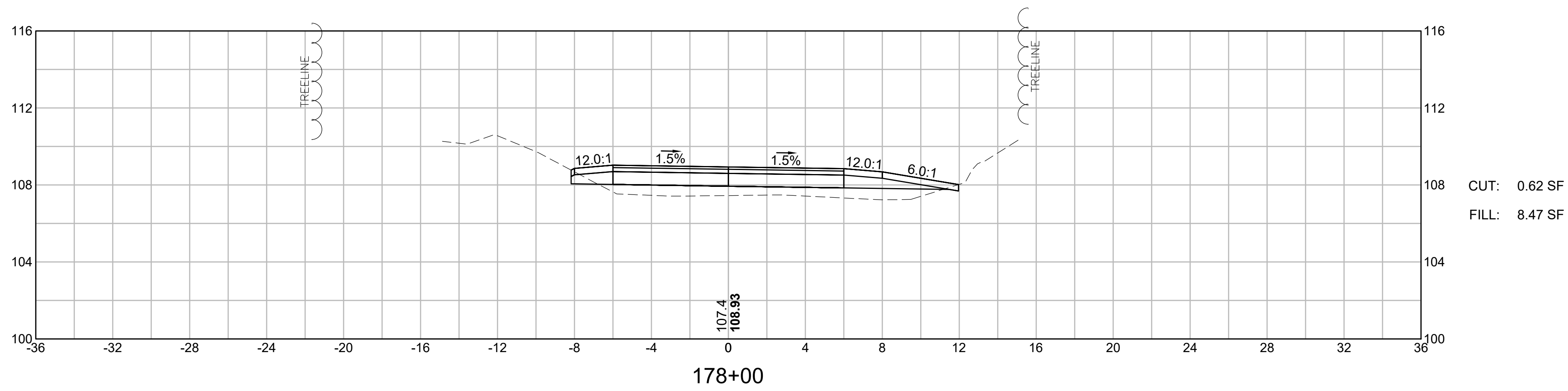
STATE	FED. AID PROJ. NO.	SHEET NO.	TOTAL SHEETS
MA	STP-0034(033)X	88	128
PROJECT FILE NO. 613163			

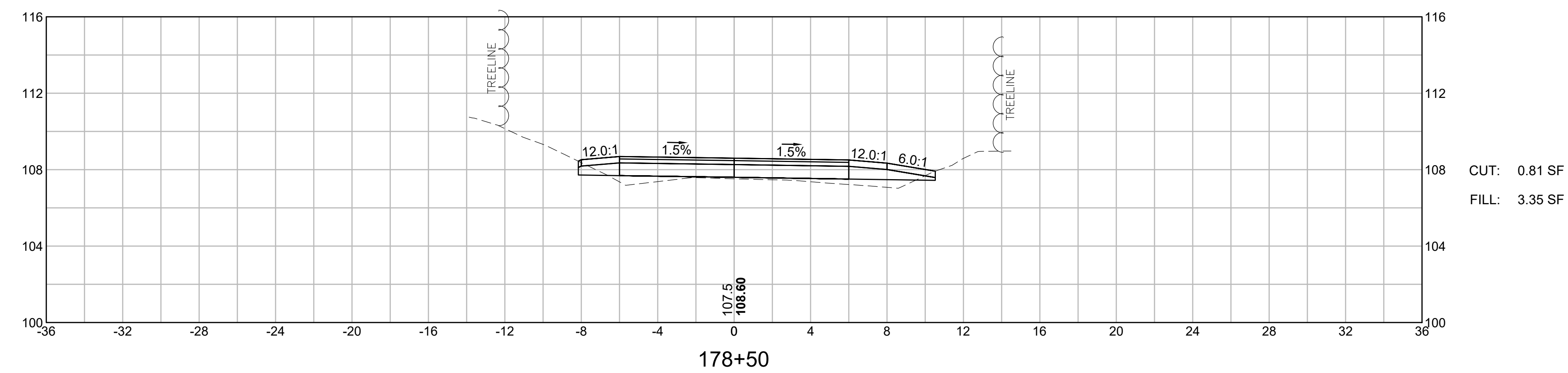
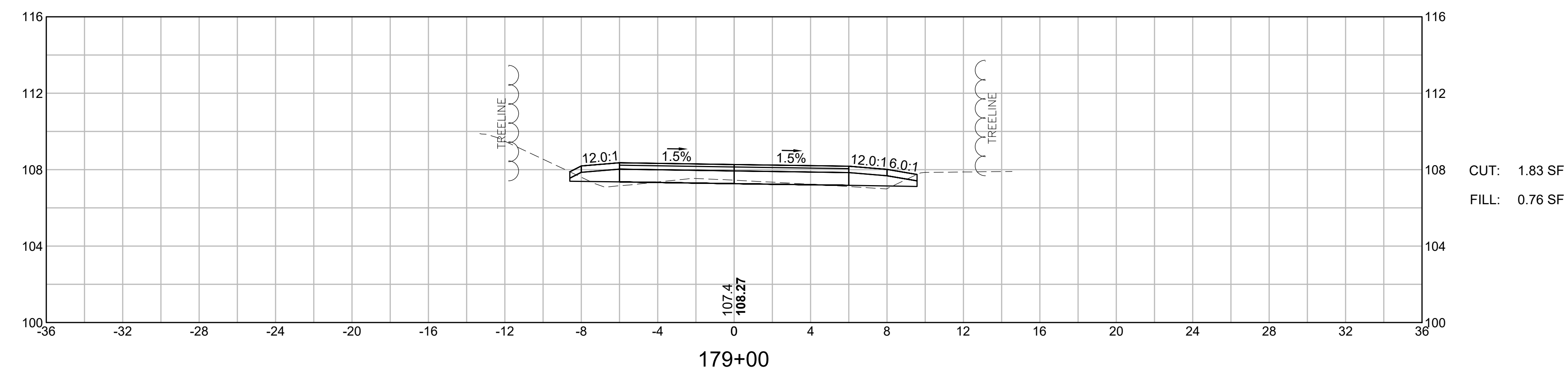
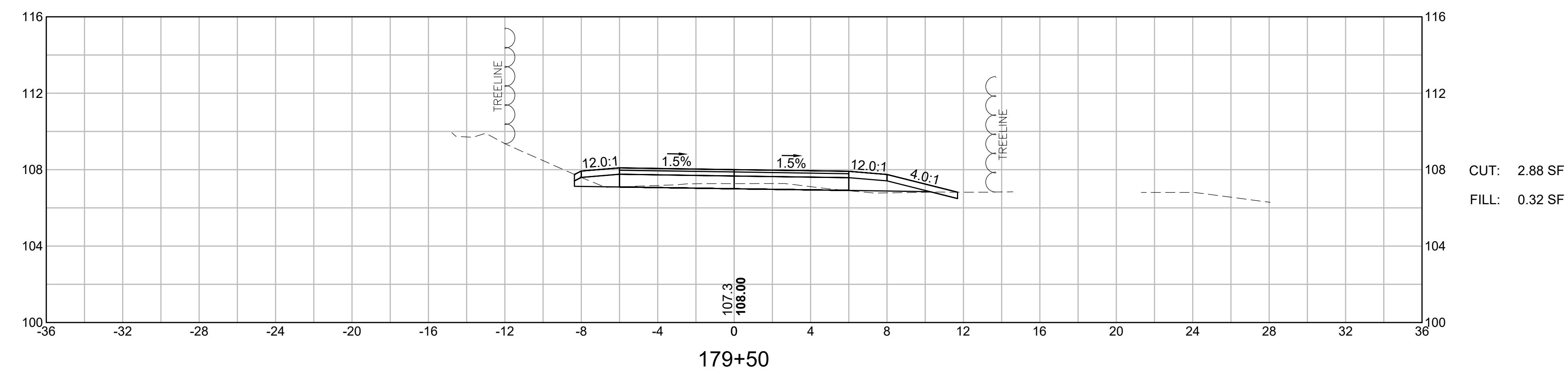
CROSS SECTIONS
LYNNFIELD RAIL TRAIL
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LYNNFIELD RAIL TRAIL CONSTRUCTION			
STATE	FED. AID PROJ. NO.	SHEET NO.	TOTAL SHEETS
MA	STP-0034(033)X	89	128
PROJECT FILE NO. 613163			

CROSS SECTIONS
LYNNFIELD RAIL TRAIL
PART 32 OF 71



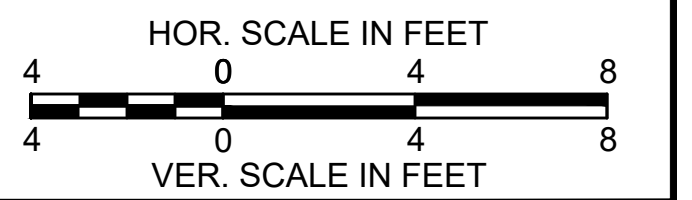
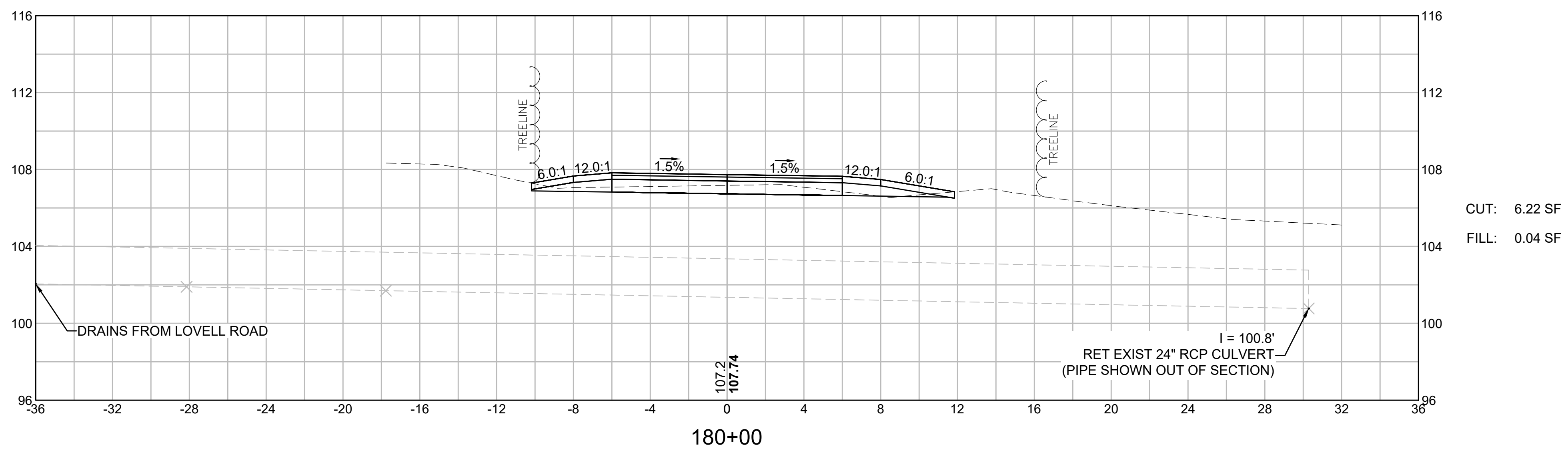
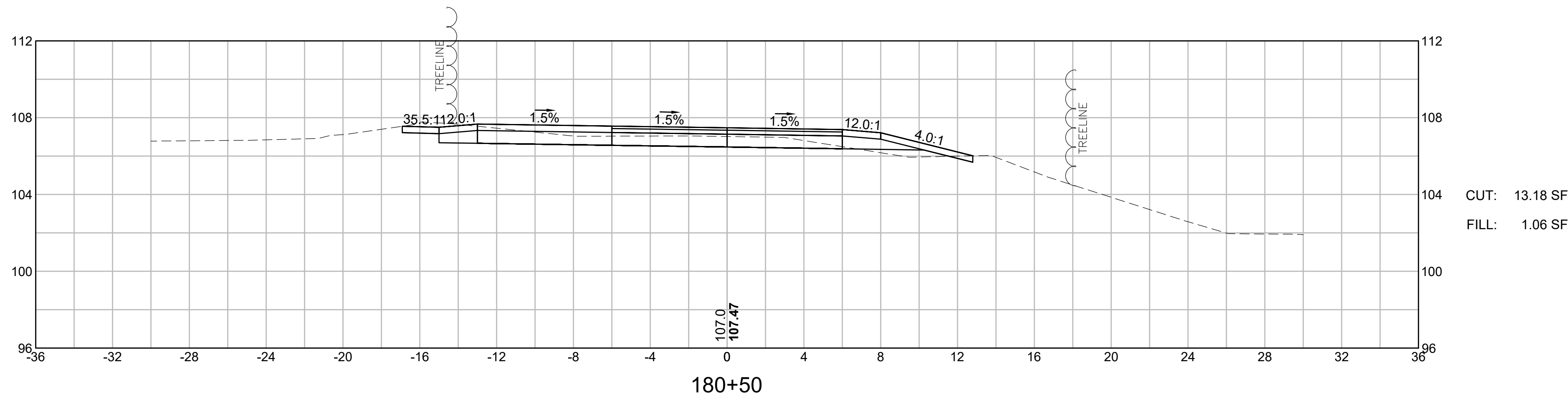
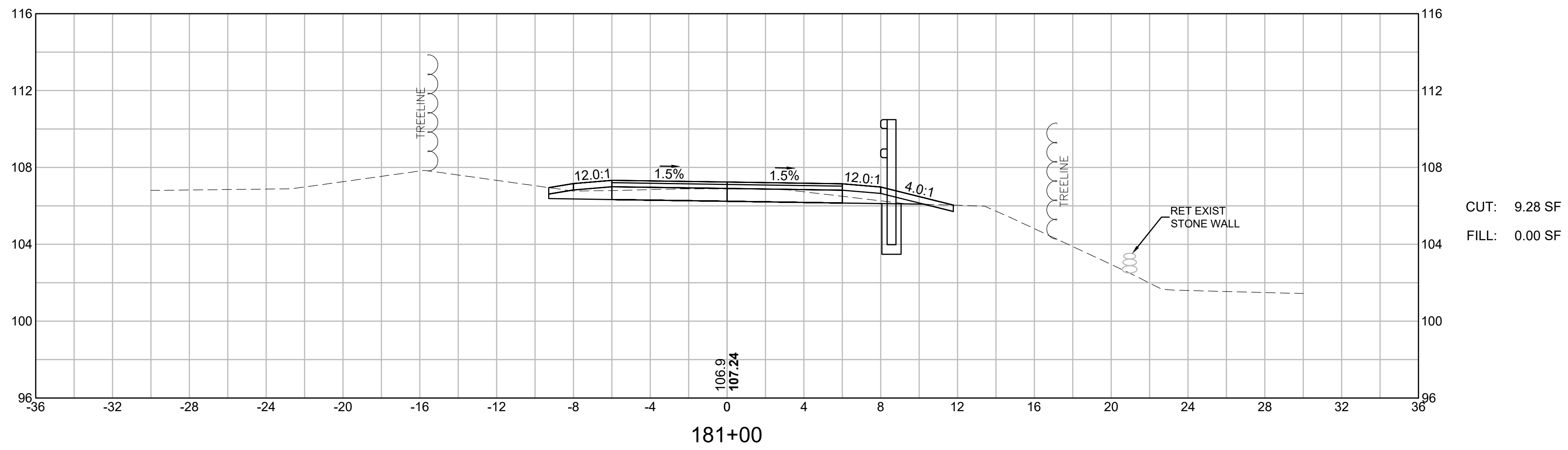


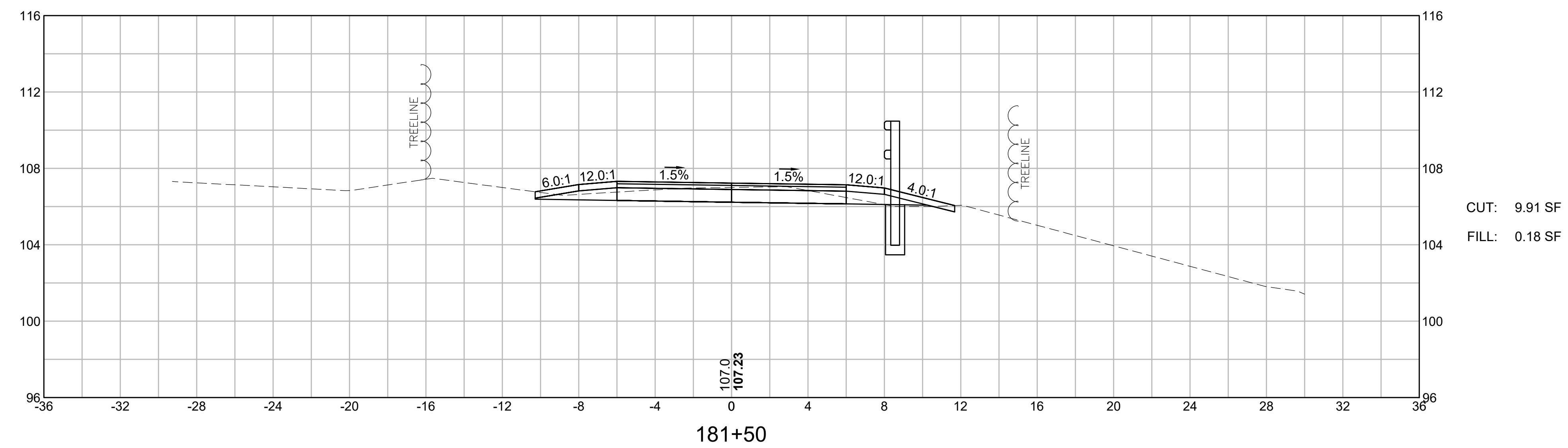
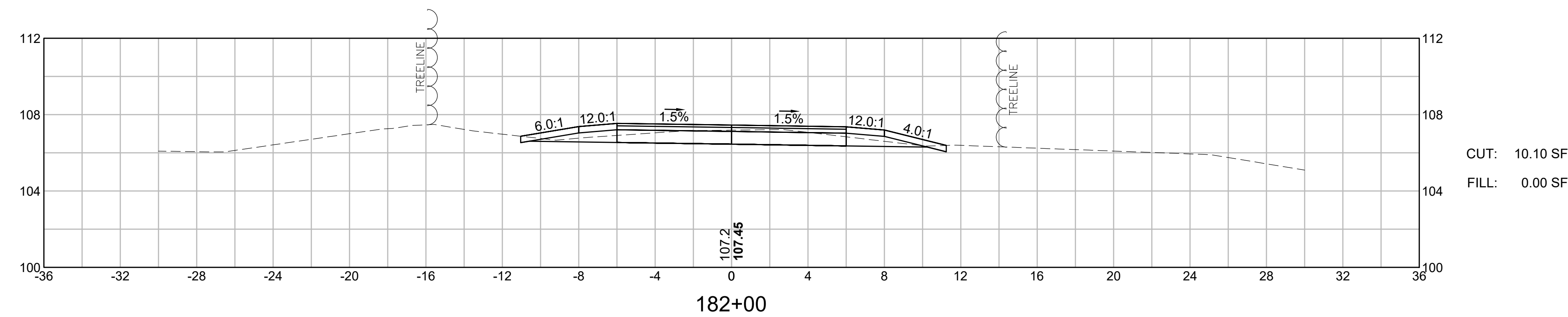
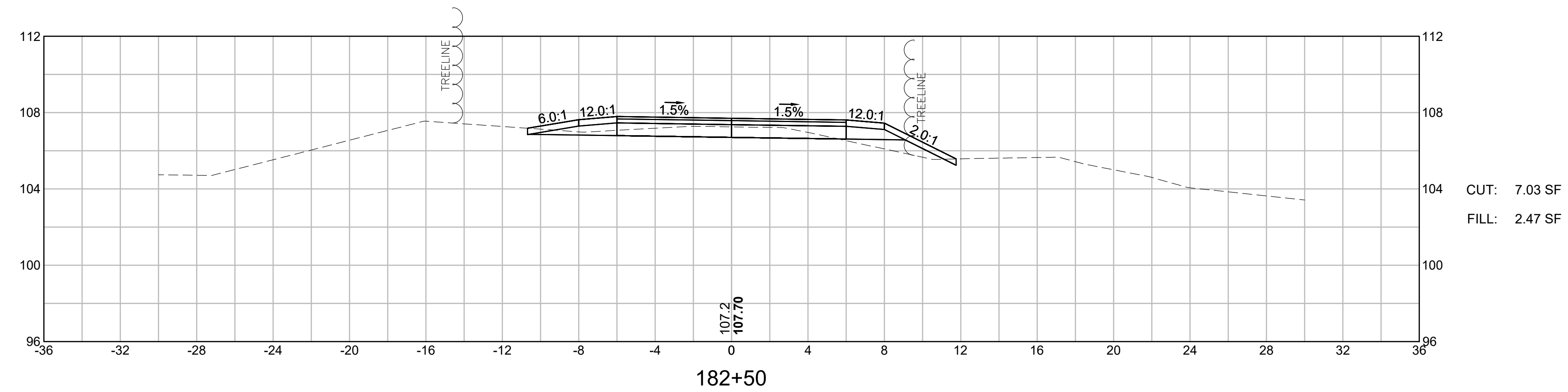
LYNNFIELD
RAIL TRAIL CONSTRUCTION

STATE	FED. AID PROJ. NO.	SHEET NO.	TOTAL SHEETS
MA	STP-0034(033)X	91	128

PROJECT FILE NO. 613163

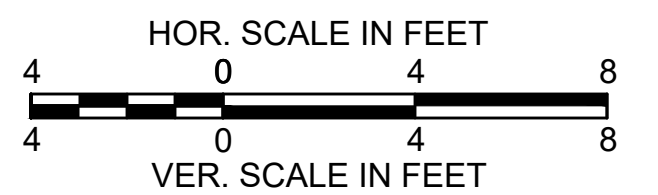
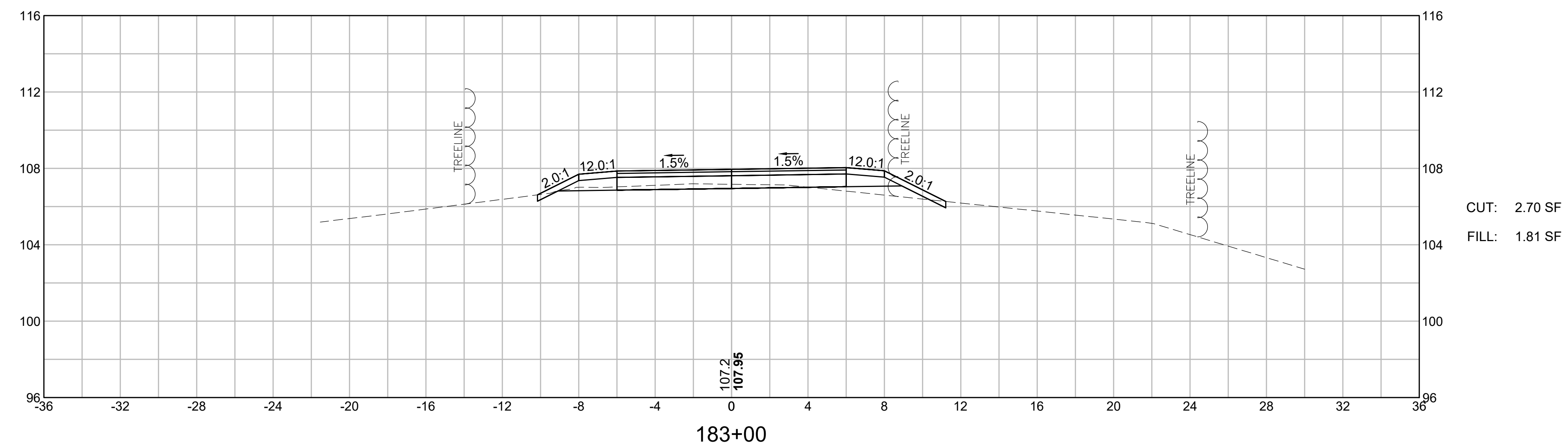
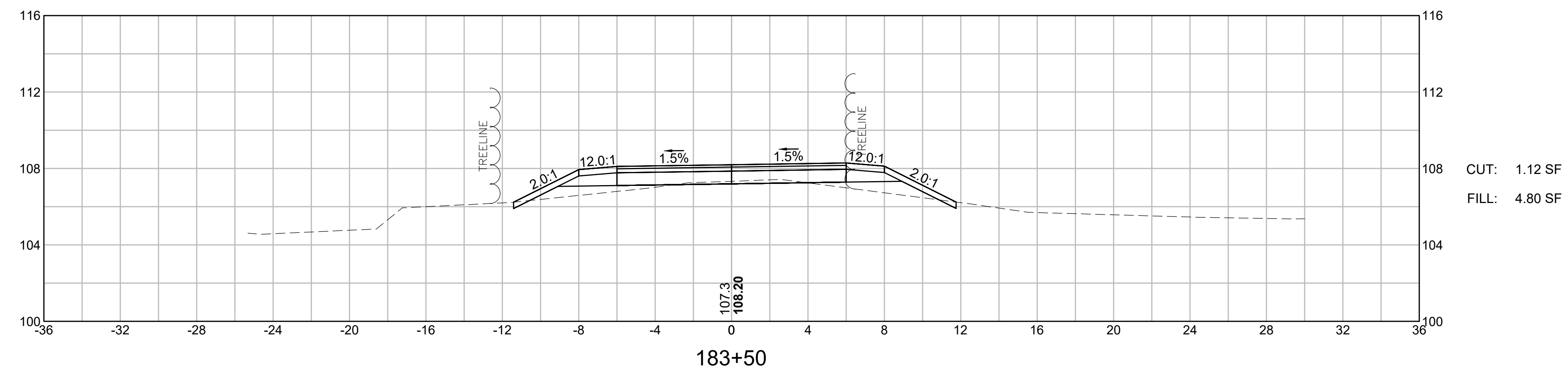
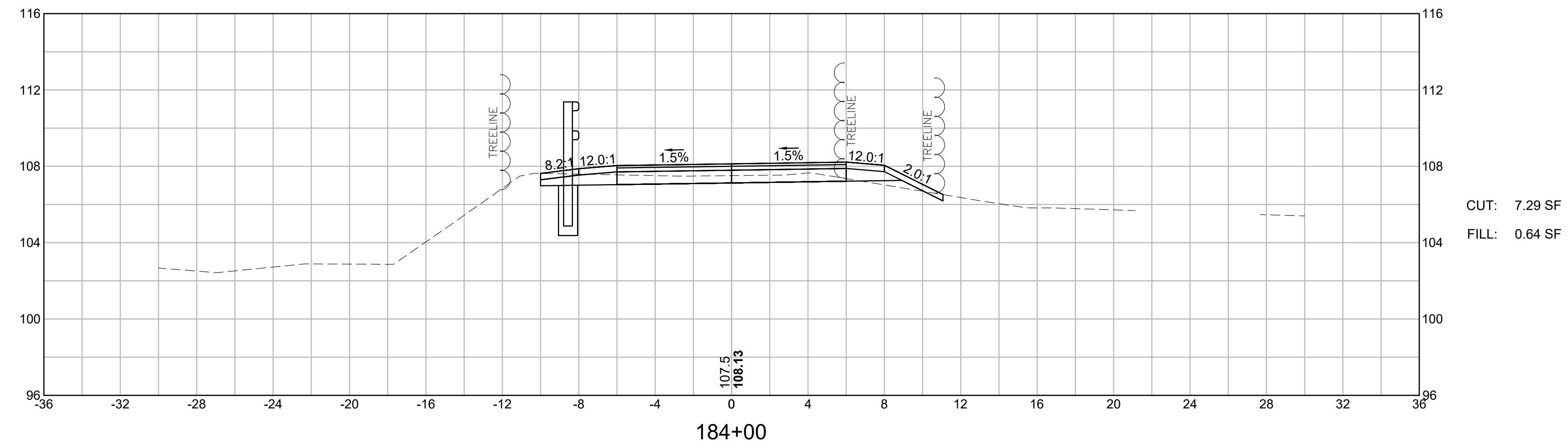
CROSS SECTIONS
LYNNFIELD RAIL TRAIL
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LYNNFIELD RAIL TRAIL CONSTRUCTION			
STATE	FED. AID PROJ. NO.	SHEET NO.	TOTAL SHEETS
MA	STP-0034(033)X	93	128
PROJECT FILE NO. 613163			

CROSS SECTIONS
LYNNFIELD RAIL TRAIL
PART 36 OF 71

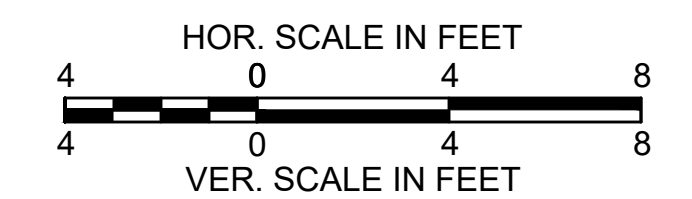
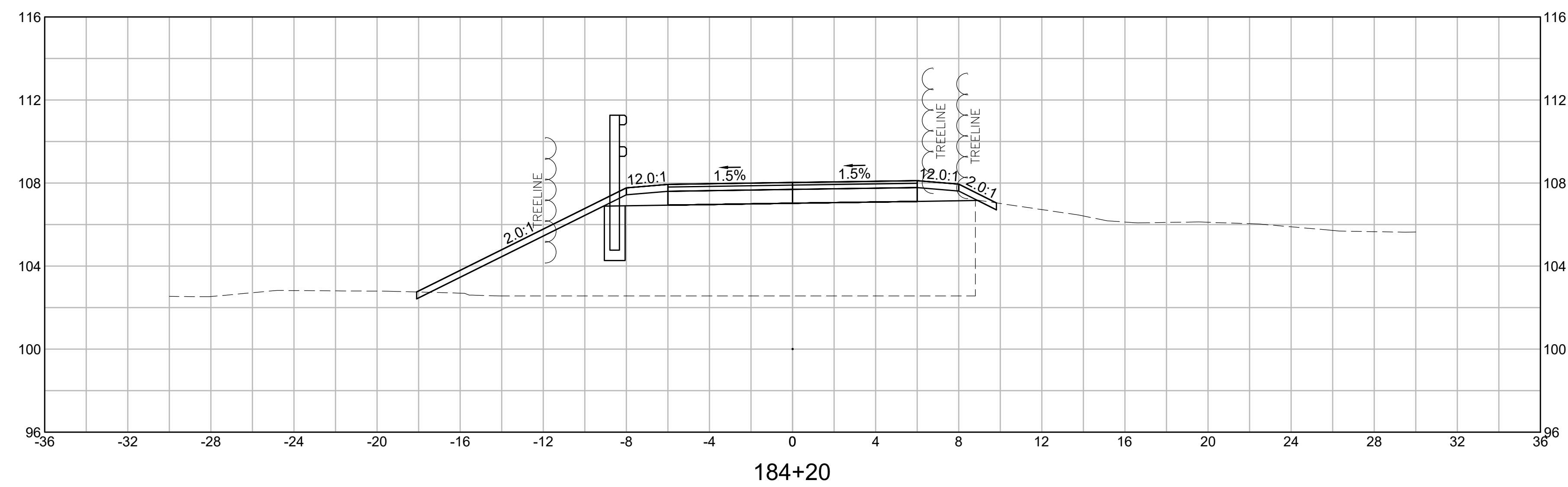
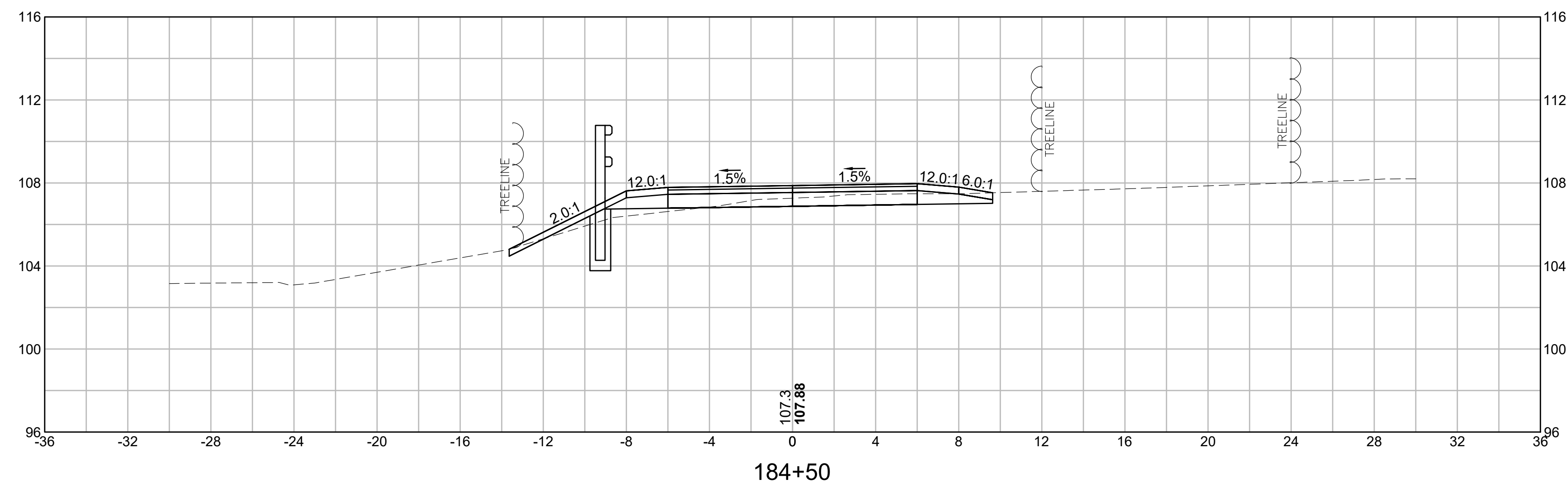
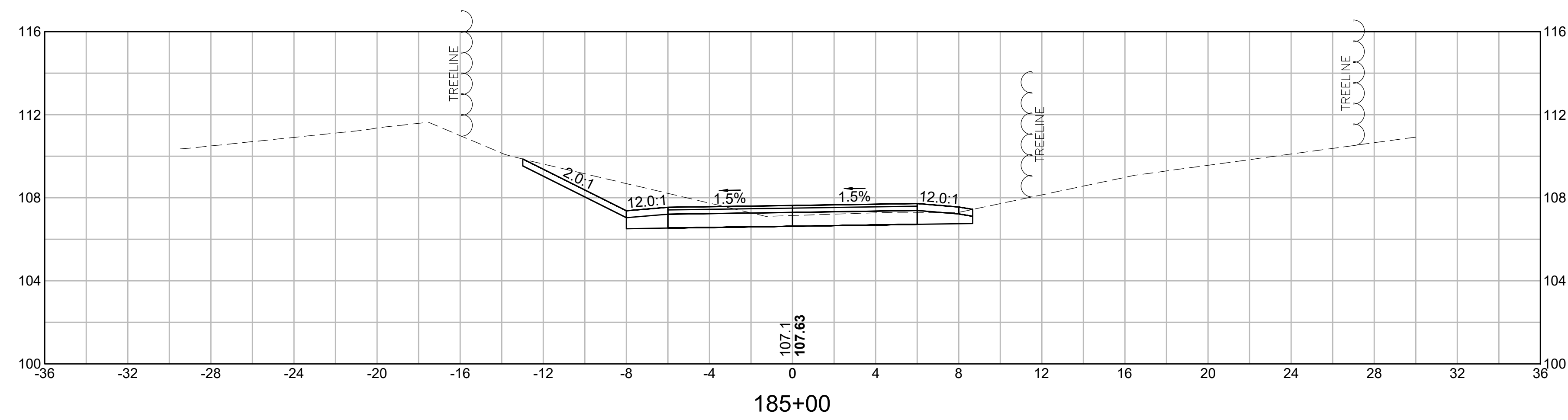


LYNNFIELD
RAIL TRAIL CONSTRUCTION

STATE	FED. AID PROJ. NO.	SHEET NO.	TOTAL SHEETS
MA	STP-0034(033)X	94	128

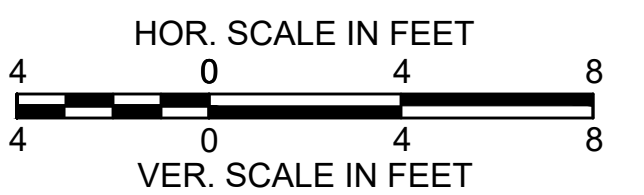
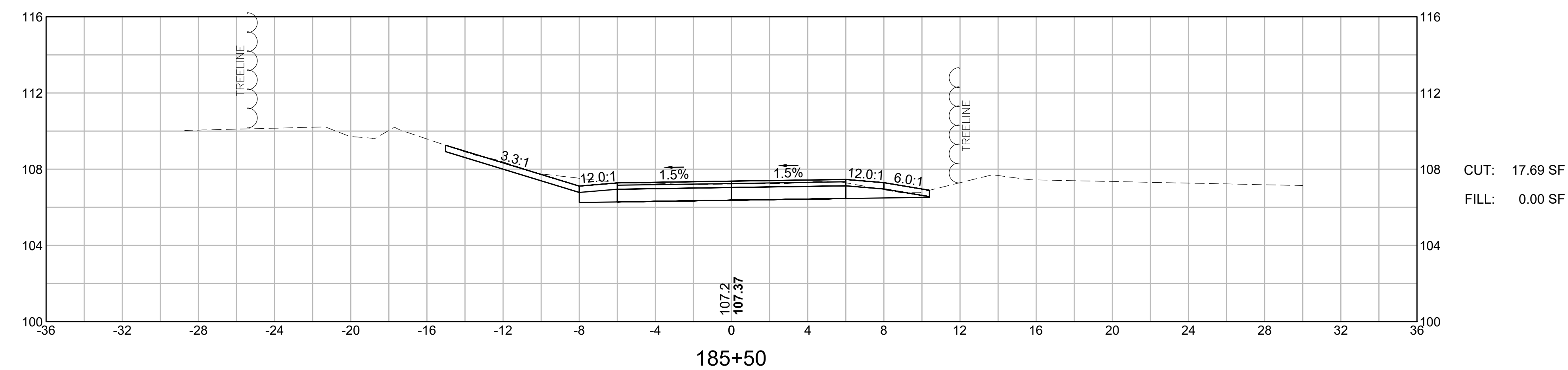
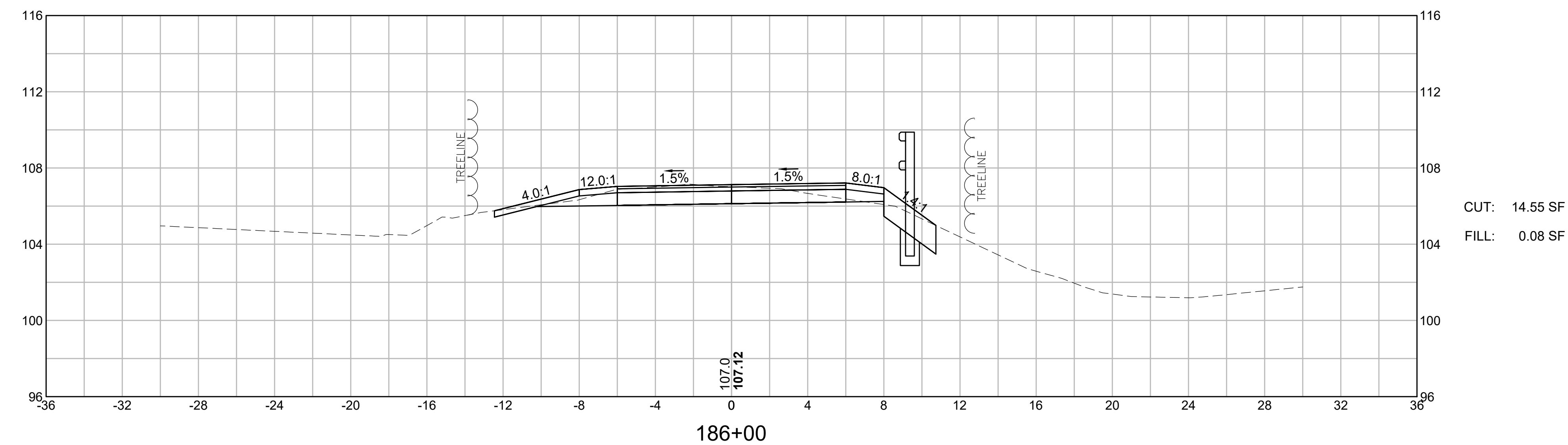
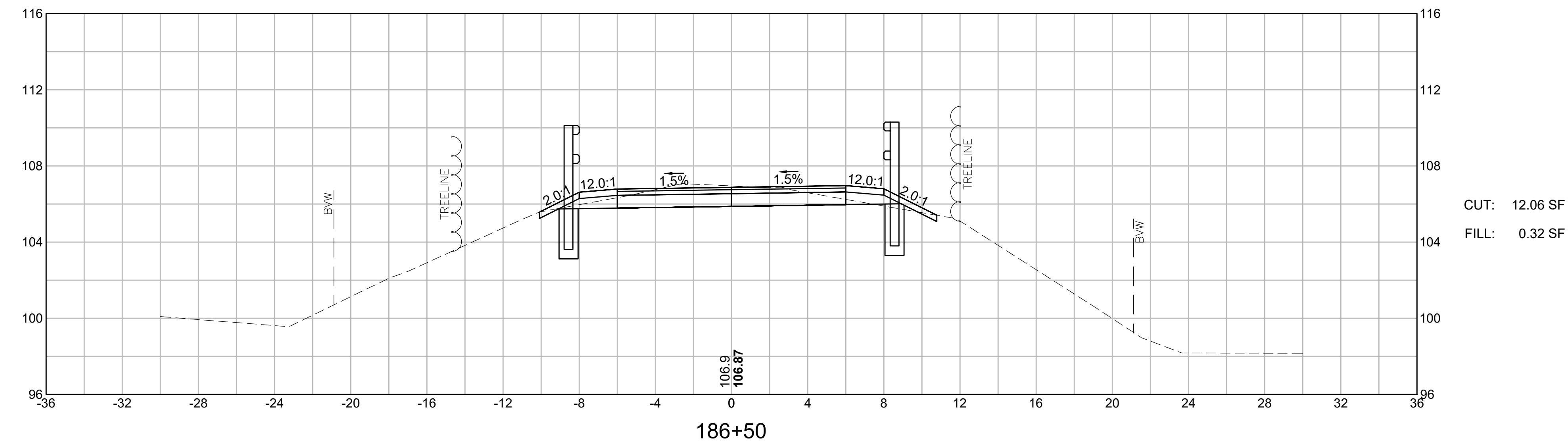
PROJECT FILE NO. 613163

CROSS SECTIONS
LYNNFIELD RAIL TRAIL
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LYNNFIELD RAIL TRAIL CONSTRUCTION			
STATE	FED. AID PROJ. NO.	SHEET NO.	TOTAL SHEETS
MA	STP-0034(033)X	95	128
PROJECT FILE NO. 613163			

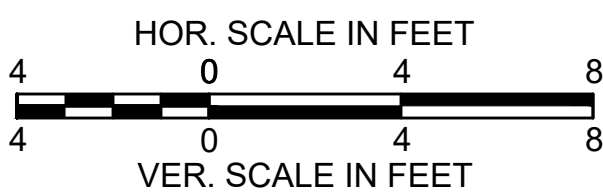
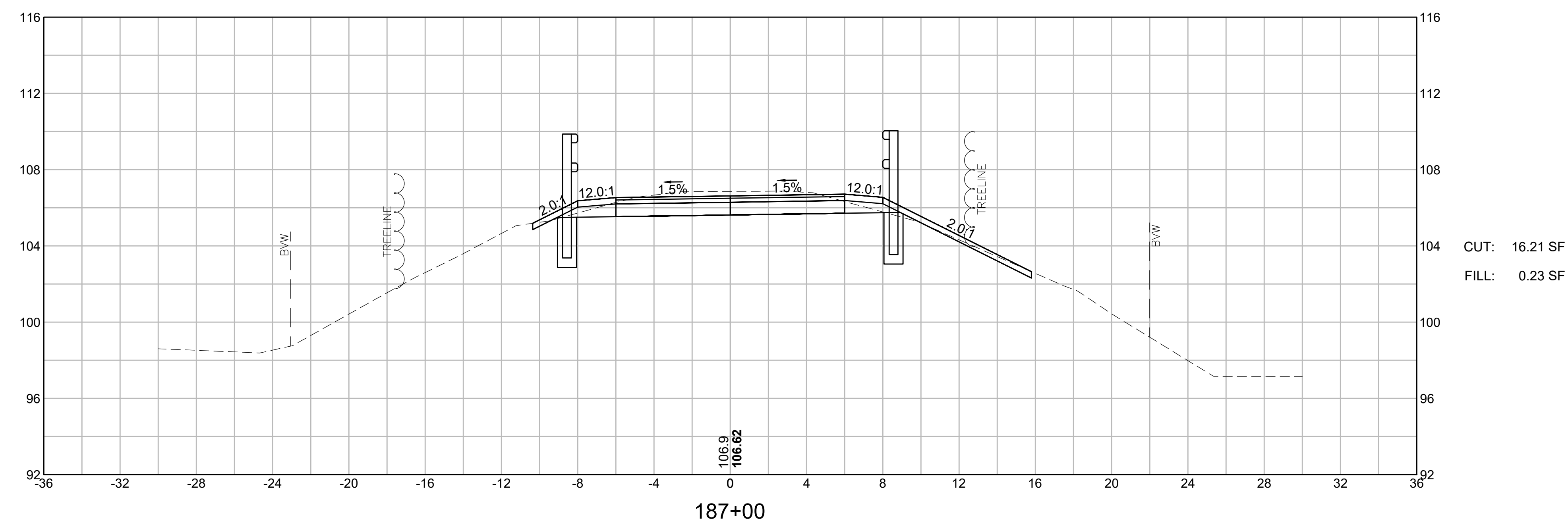
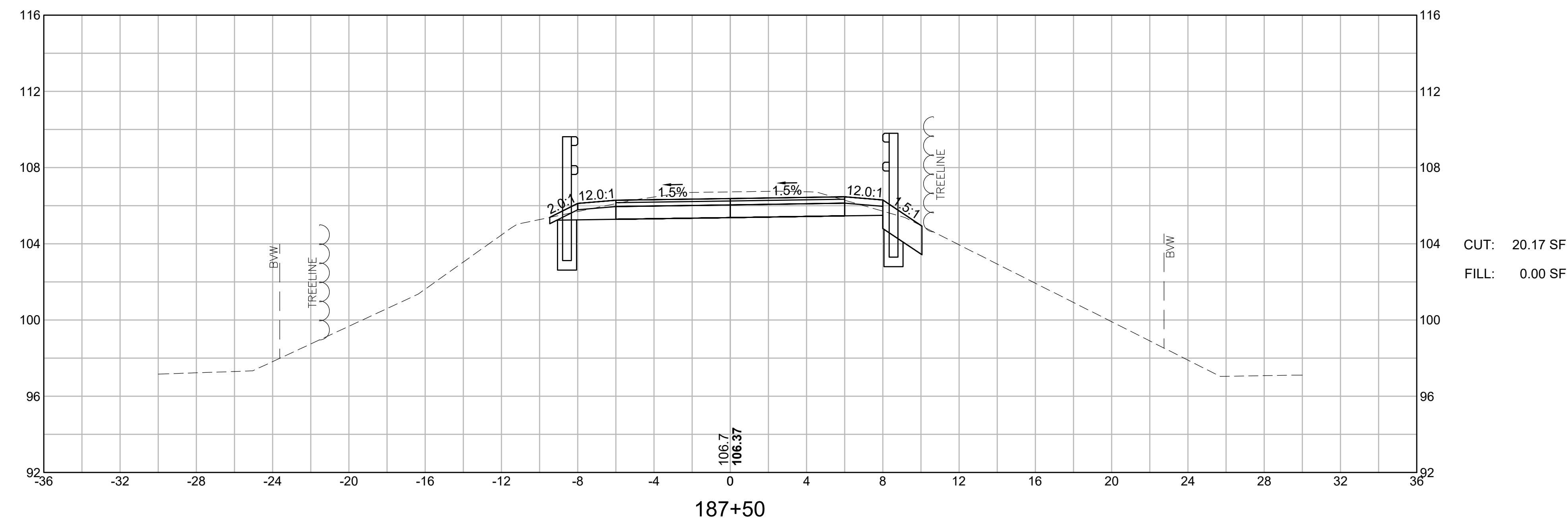
CROSS SECTIONS
LYNNFIELD RAIL TRAIL
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LYNNFIELD
RAIL TRAIL CONSTRUCTION

STATE	FED. AID PROJ. NO.	SHEET NO.	TOTAL SHEETS
MA	STP-0034(033)X	96	128
PROJECT FILE NO. 613163			

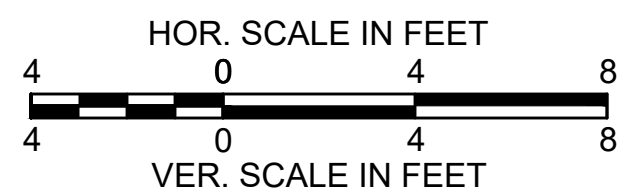
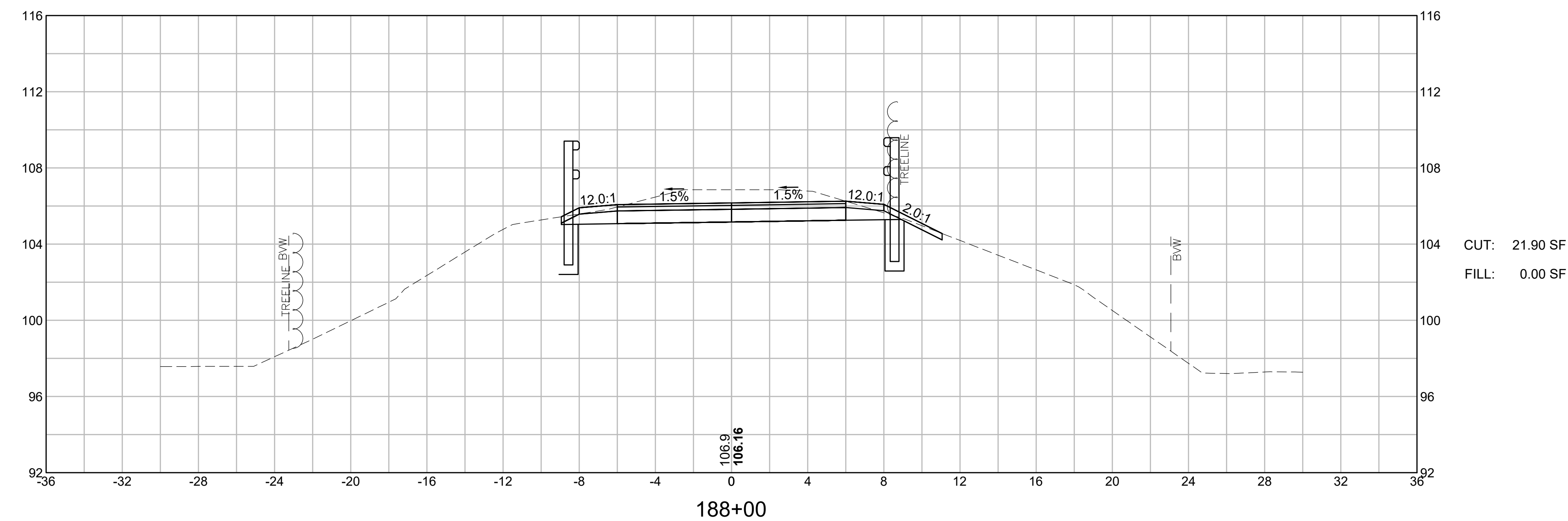
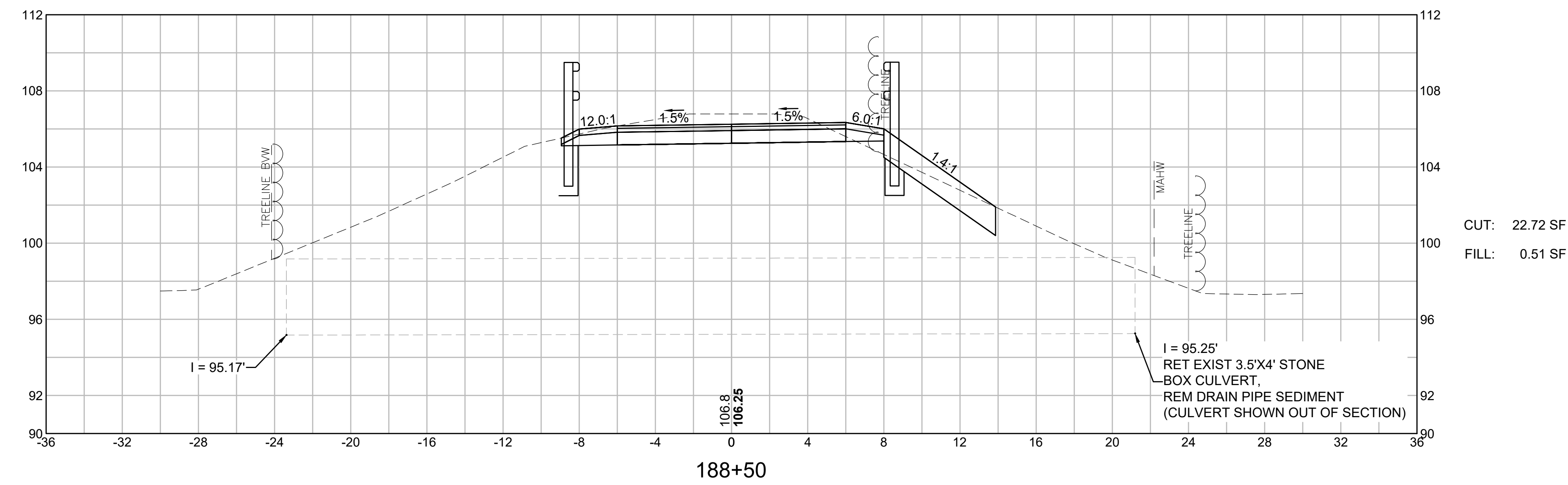
CROSS SECTIONS
LYNNFIELD RAIL TRAIL
PART 39 OF 71

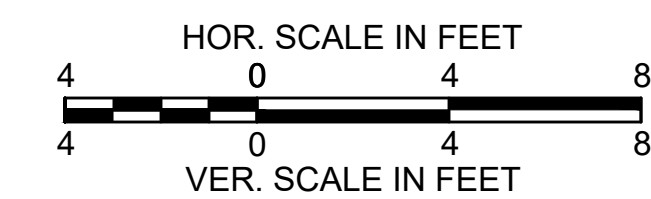
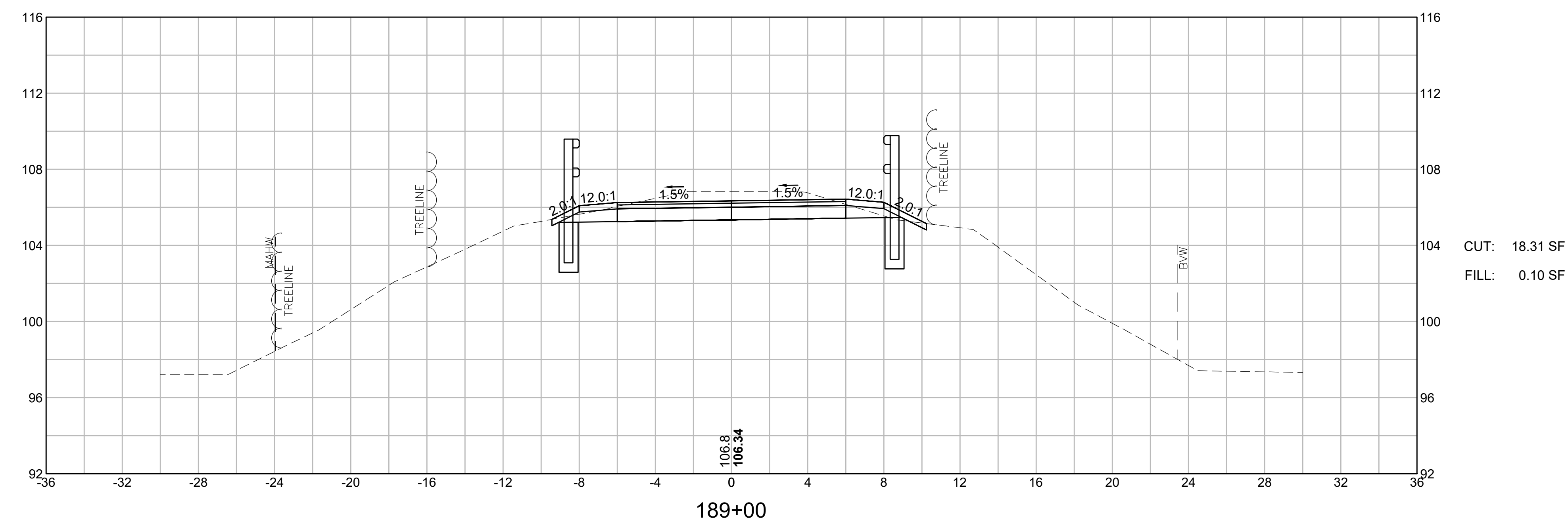
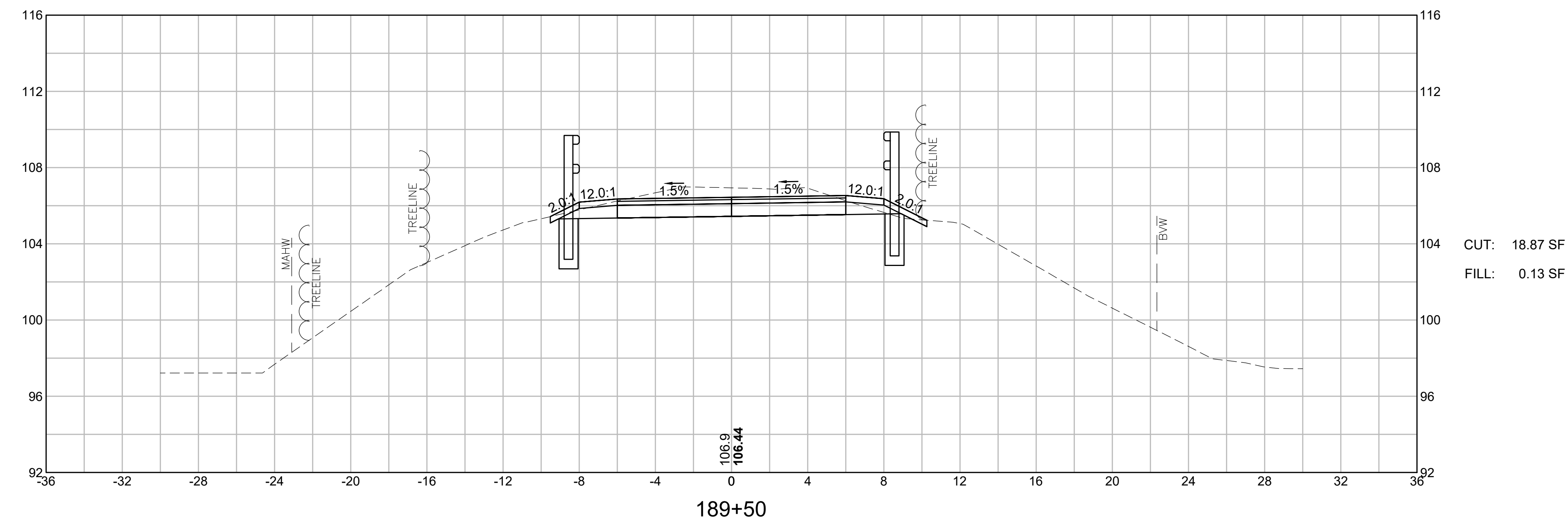


LYNNFIELD
RAIL TRAIL CONSTRUCTION

STATE	FED. AID PROJ. NO.	SHEET NO.	TOTAL SHEETS
MA	STP-0034(033)X	97	128
PROJECT FILE NO. 613163			

CROSS SECTIONS
LYNNFIELD RAIL TRAIL
PART 40 OF 71

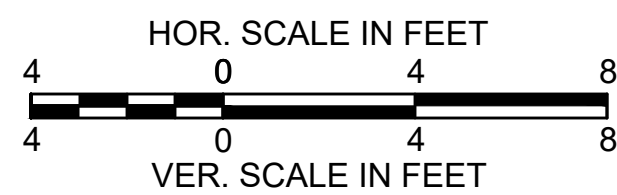
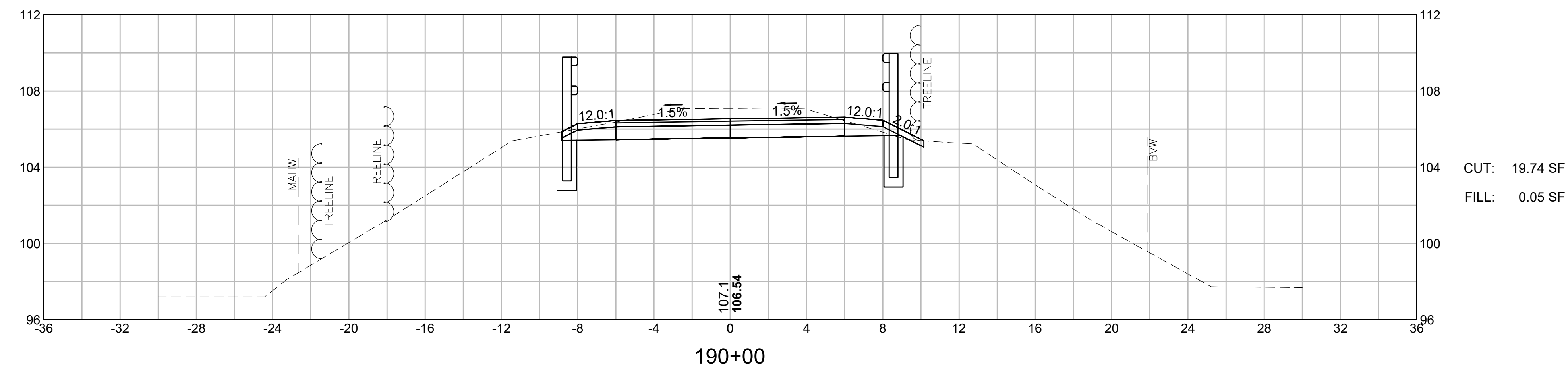
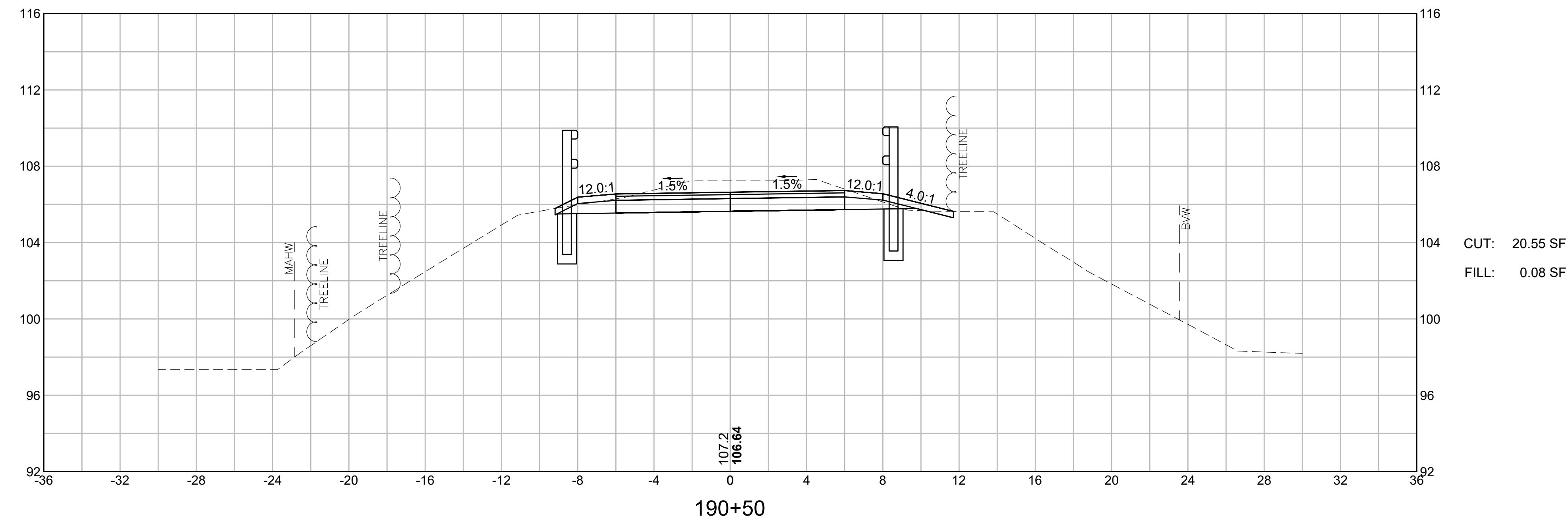




LYNNFIELD
RAIL TRAIL CONSTRUCTION

STATE	FED. AID PROJ. NO.	SHEET NO.	TOTAL SHEETS
MA	STP-0034(033)X	99	128
PROJECT FILE NO. 613163			

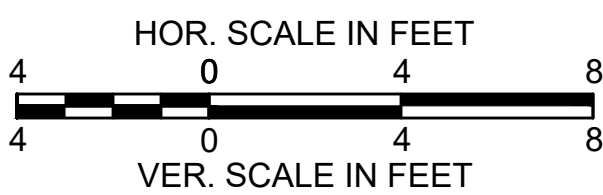
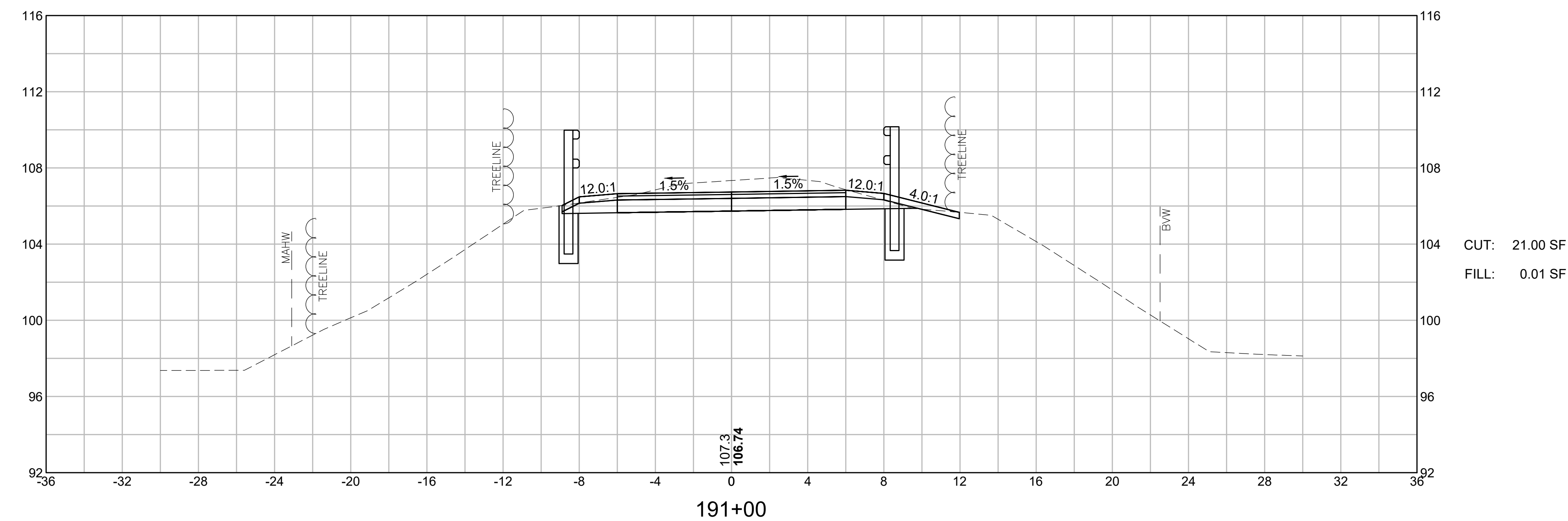
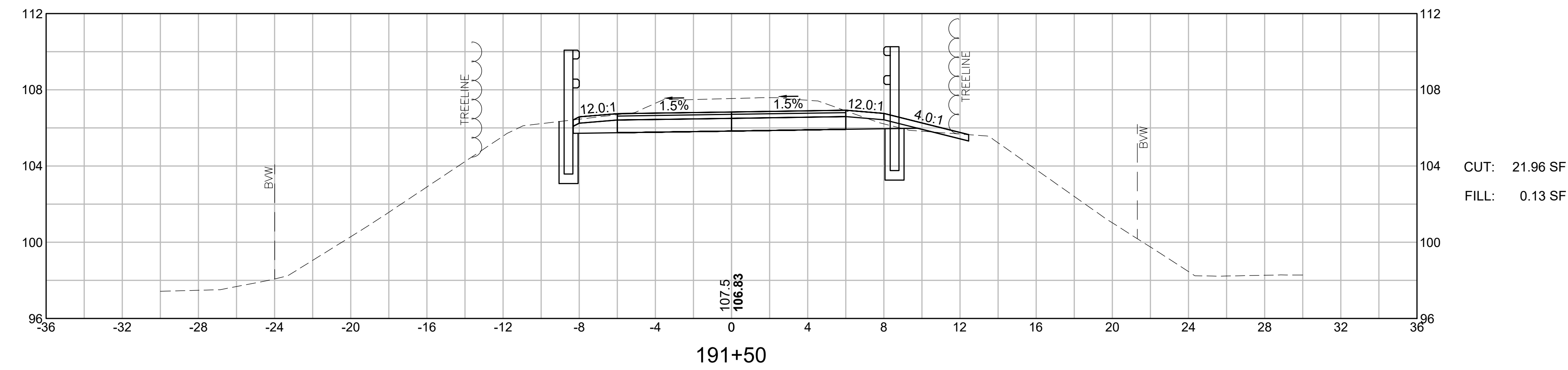
CROSS SECTIONS
LYNNFIELD RAIL TRAIL
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LYNNFIELD
RAIL TRAIL CONSTRUCTION

STATE	FED. AID PROJ. NO.	SHEET NO.	TOTAL SHEETS
MA	STP-0034(033)X	100	128
PROJECT FILE NO. 613163			

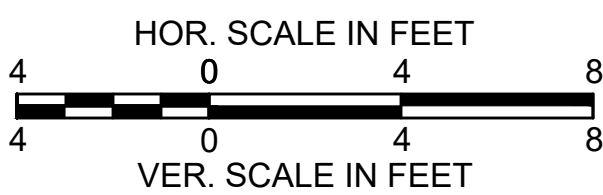
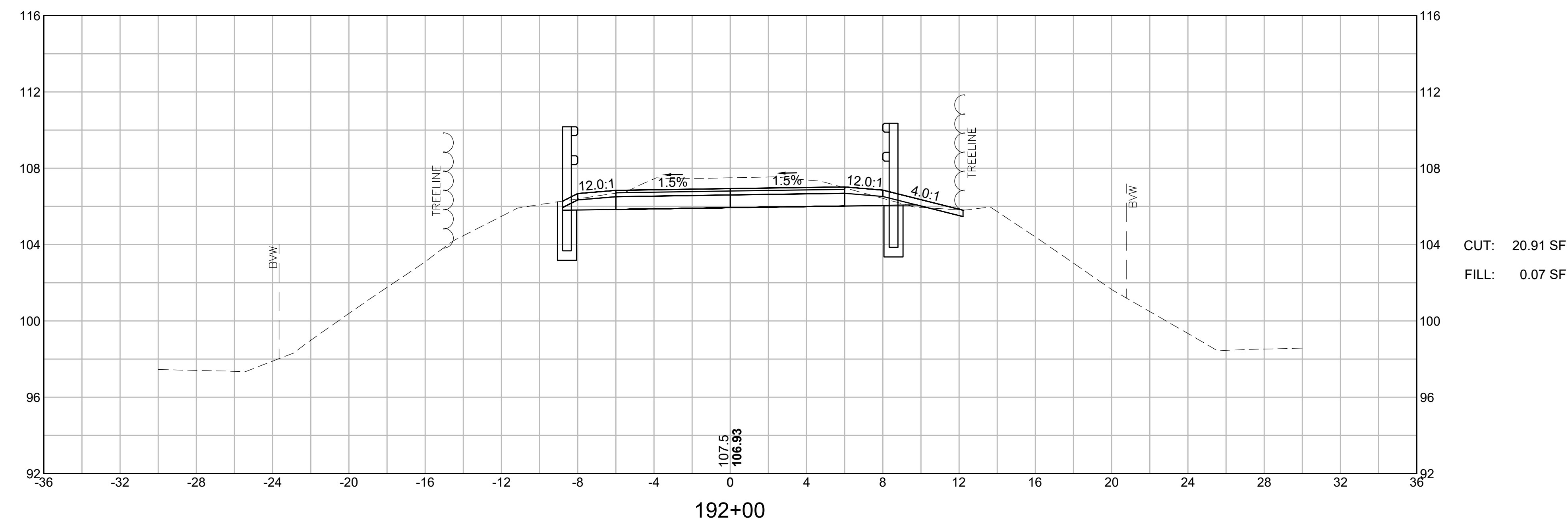
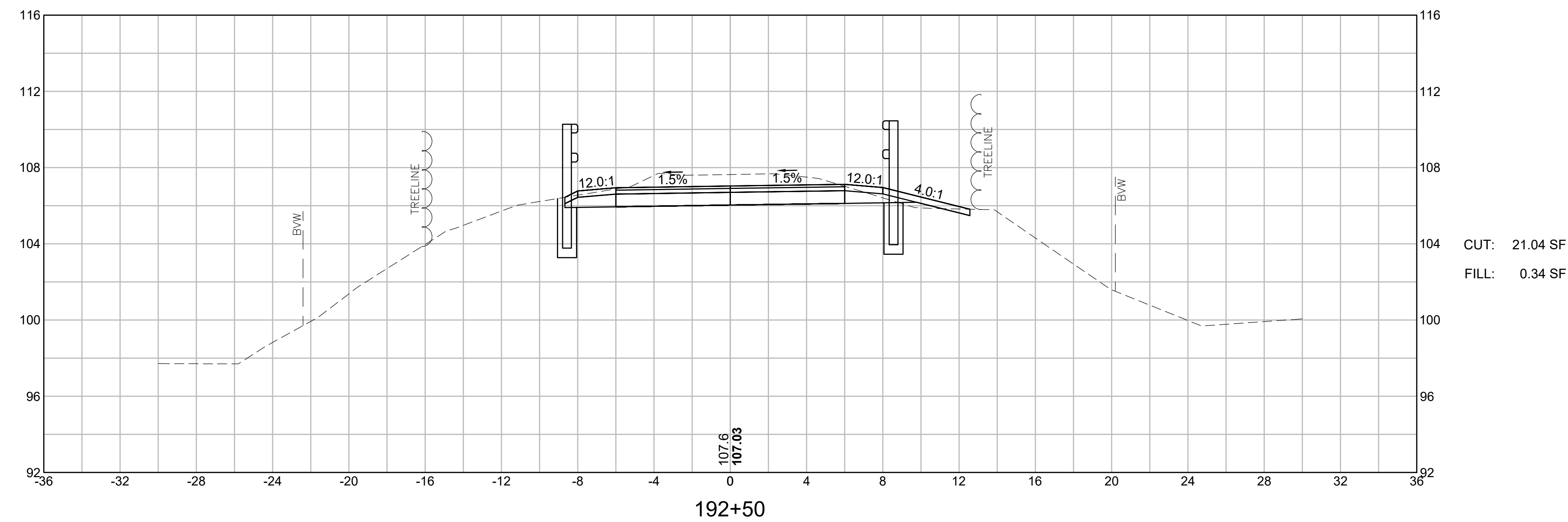
CROSS SECTIONS
LYNNFIELD RAIL TRAIL
PART 43 OF 71



LYNNFIELD
RAIL TRAIL CONSTRUCTION

STATE	FED. AID PROJ. NO.	SHEET NO.	TOTAL SHEETS
MA	STP-0034(033)X	101	128
PROJECT FILE NO. 613163			

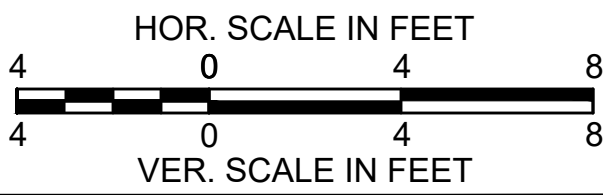
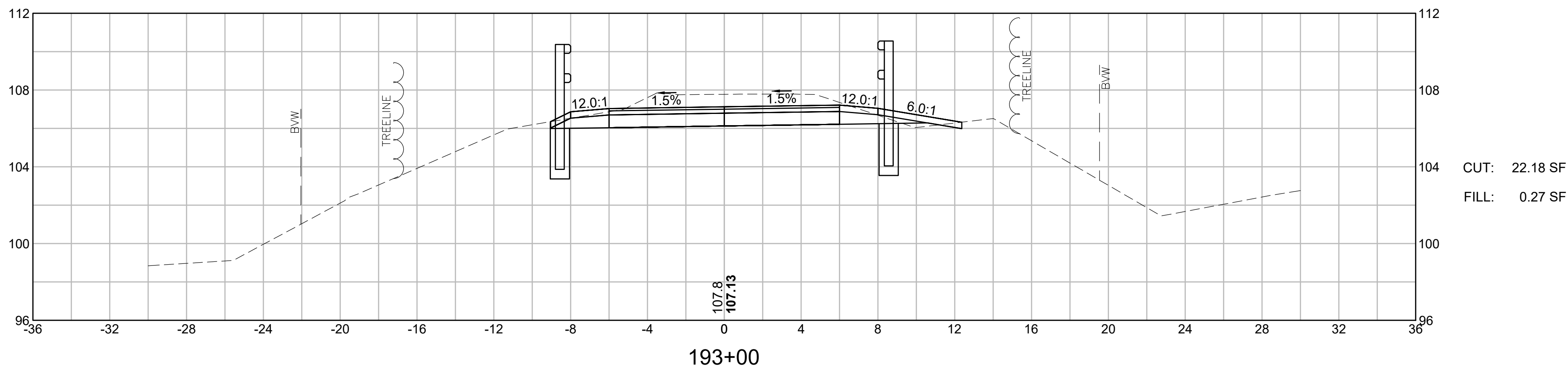
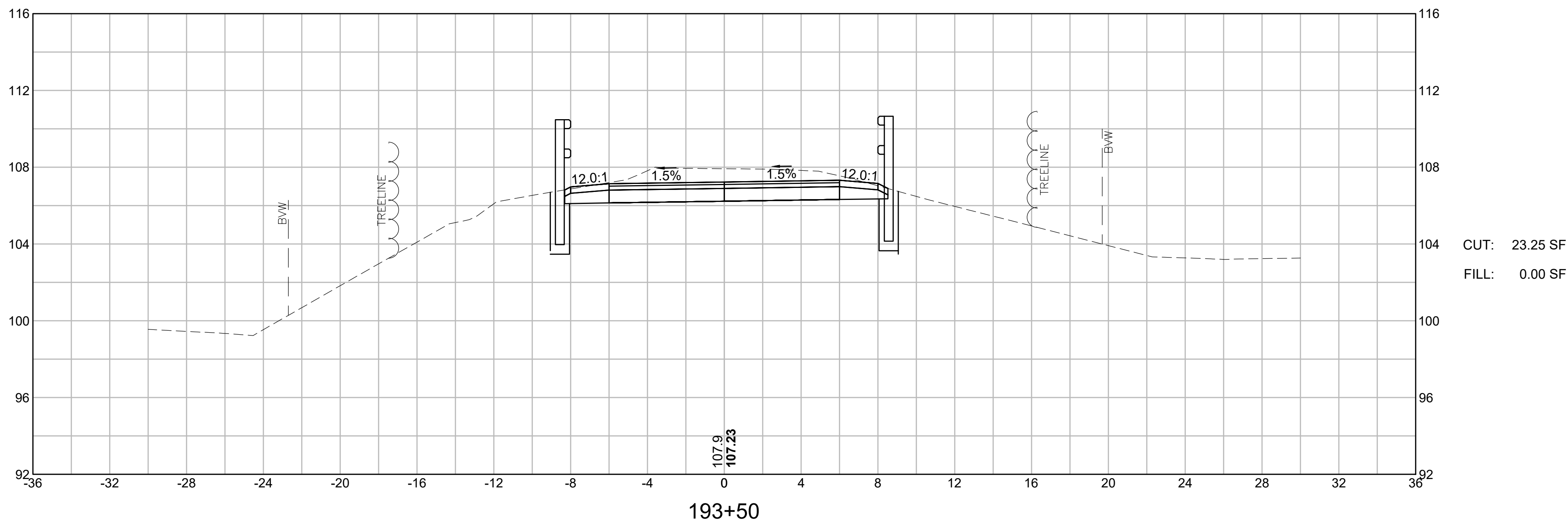
CROSS SECTIONS
LYNNFIELD RAIL TRAIL
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LYNNFIELD
RAIL TRAIL CONSTRUCTION

STATE	FED. AID PROJ. NO.	SHEET NO.	TOTAL SHEETS
MA	STP-0034(033)X	102	128
PROJECT FILE NO. 613163			

CROSS SECTIONS
LYNNFIELD RAIL TRAIL
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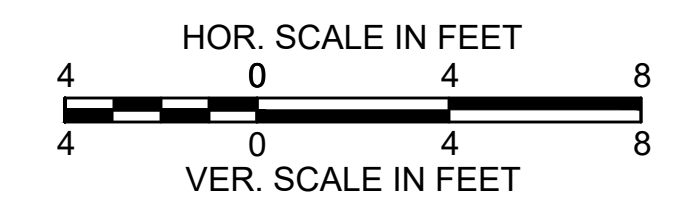
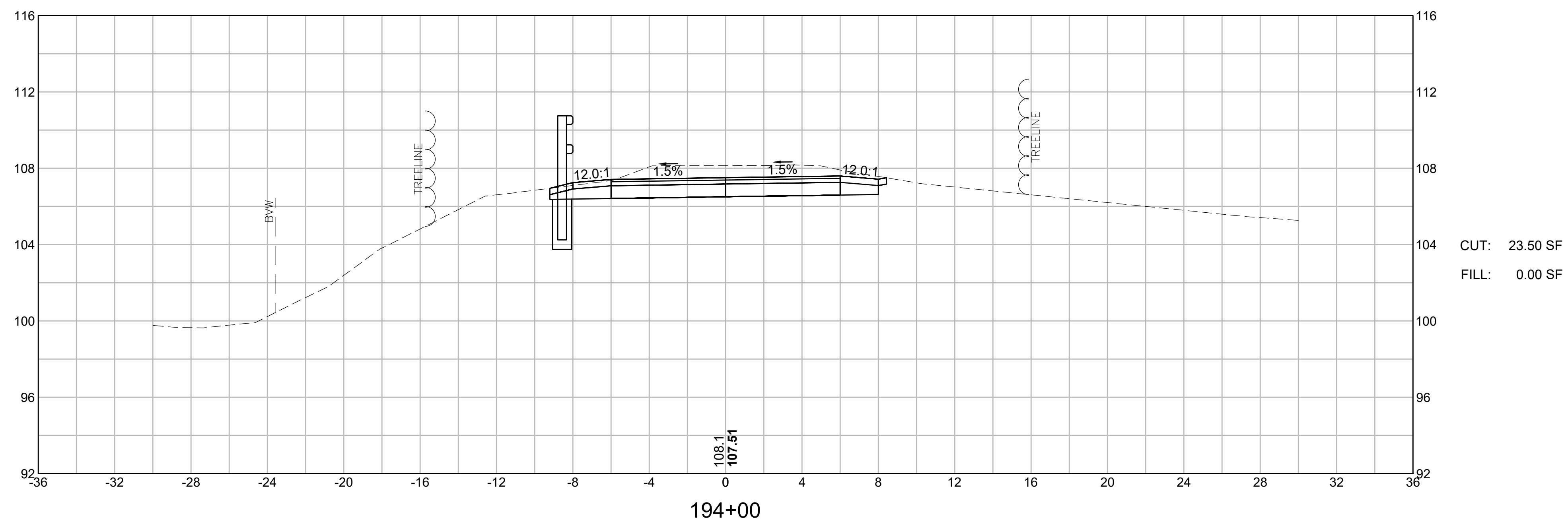
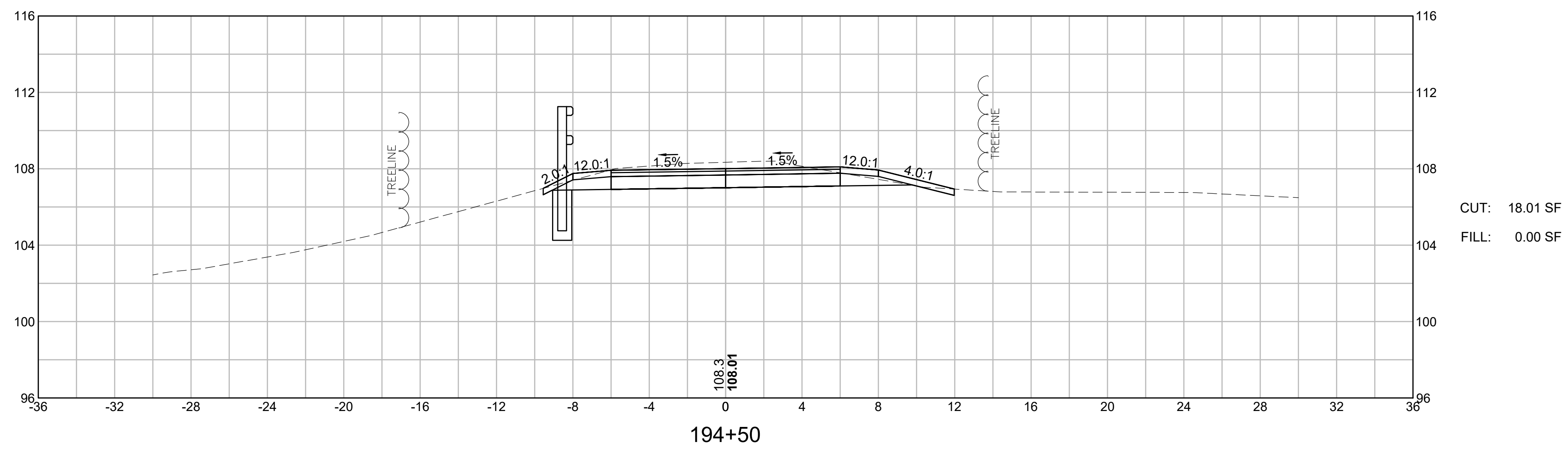
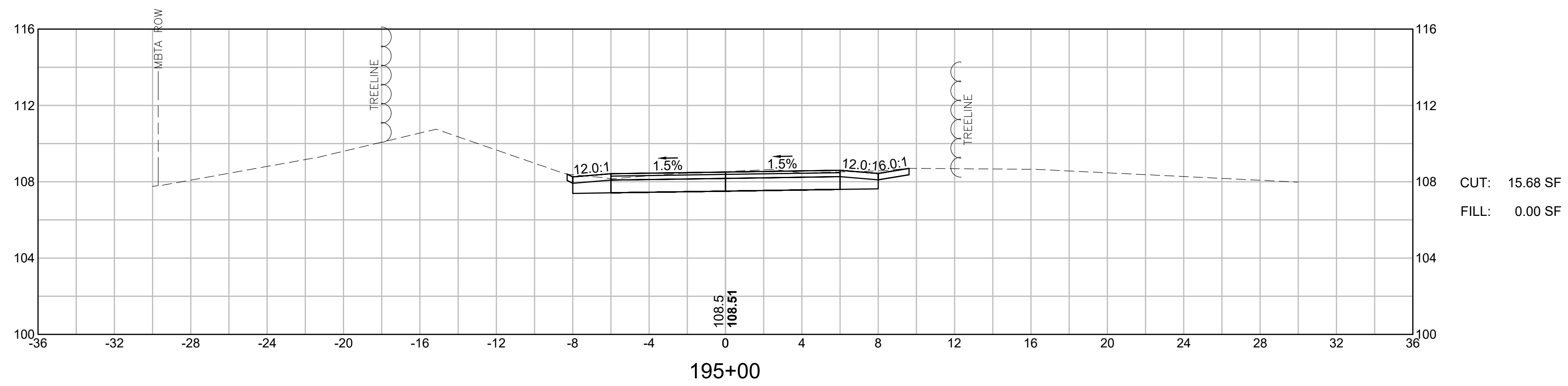


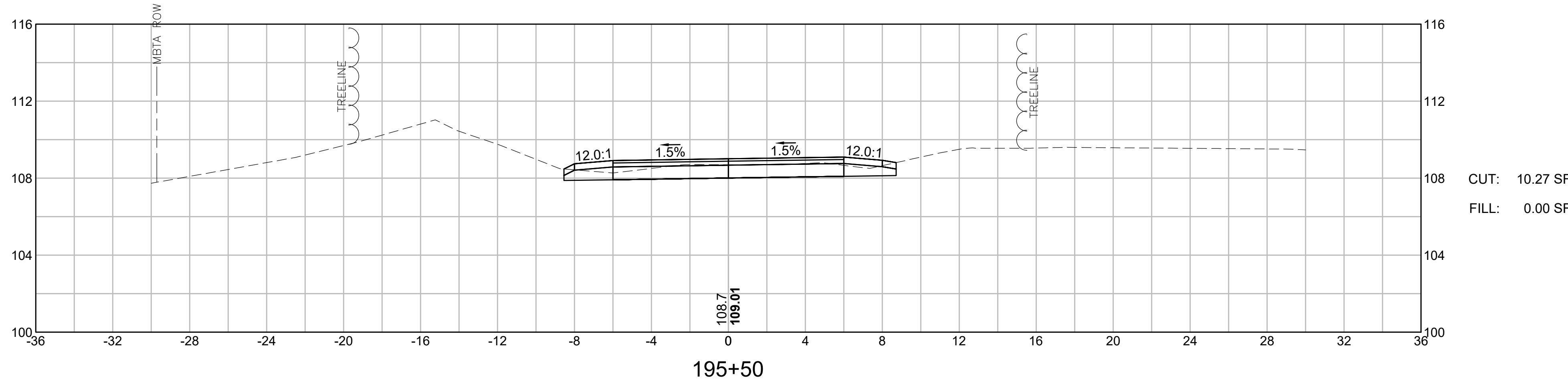
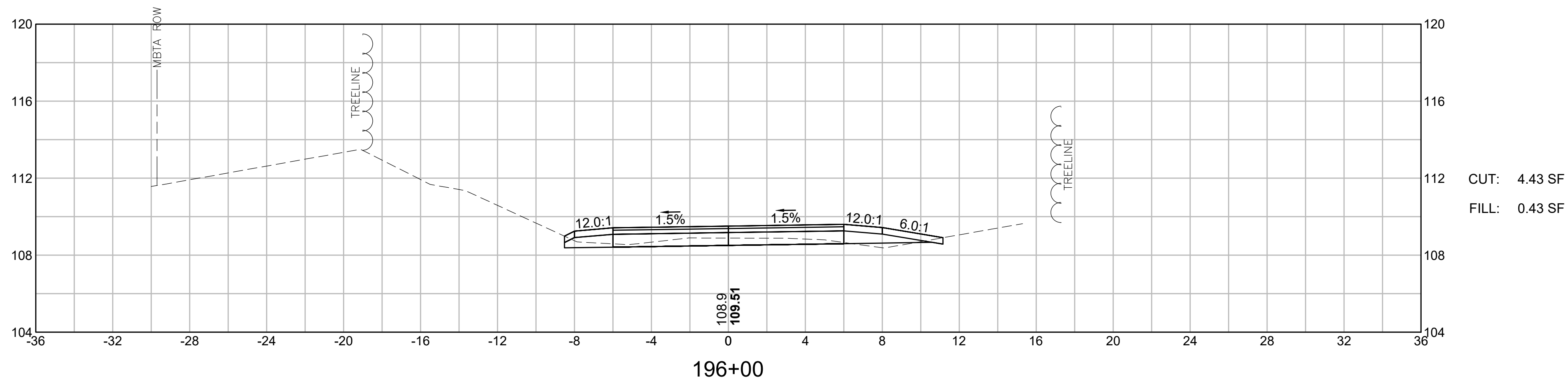
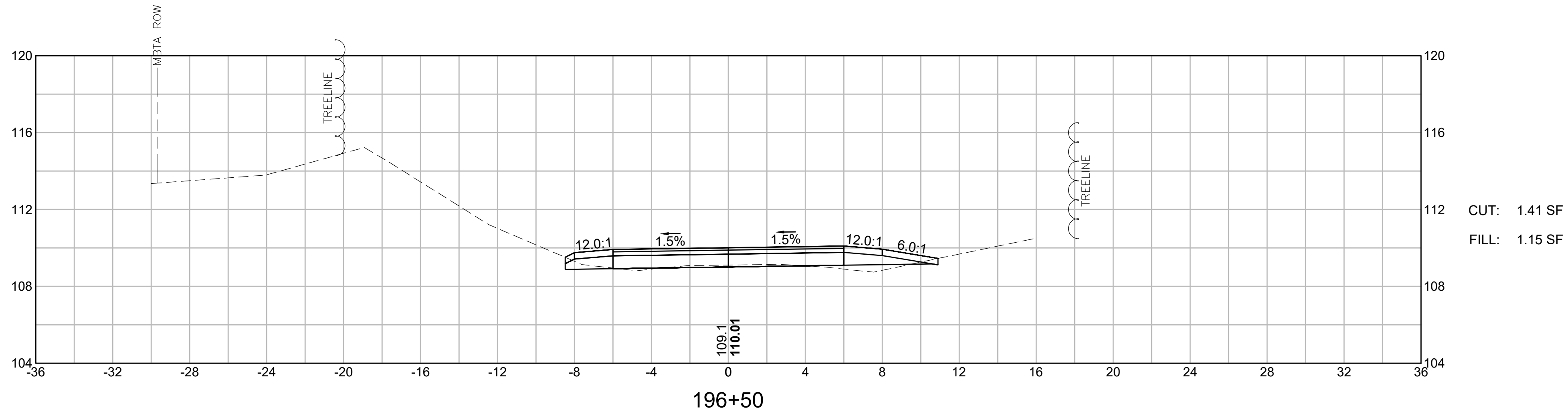
LYNNFIELD
RAIL TRAIL CONSTRUCTION

STATE	FED. AID PROJ. NO.	SHEET NO.	TOTAL SHEETS
MA	STP-0034(033)X	103	128

PROJECT FILE NO. 613163

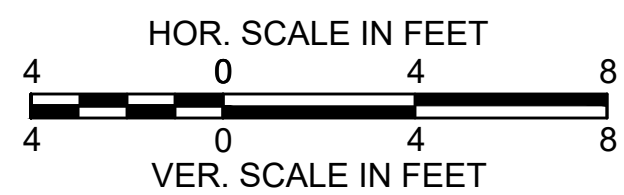
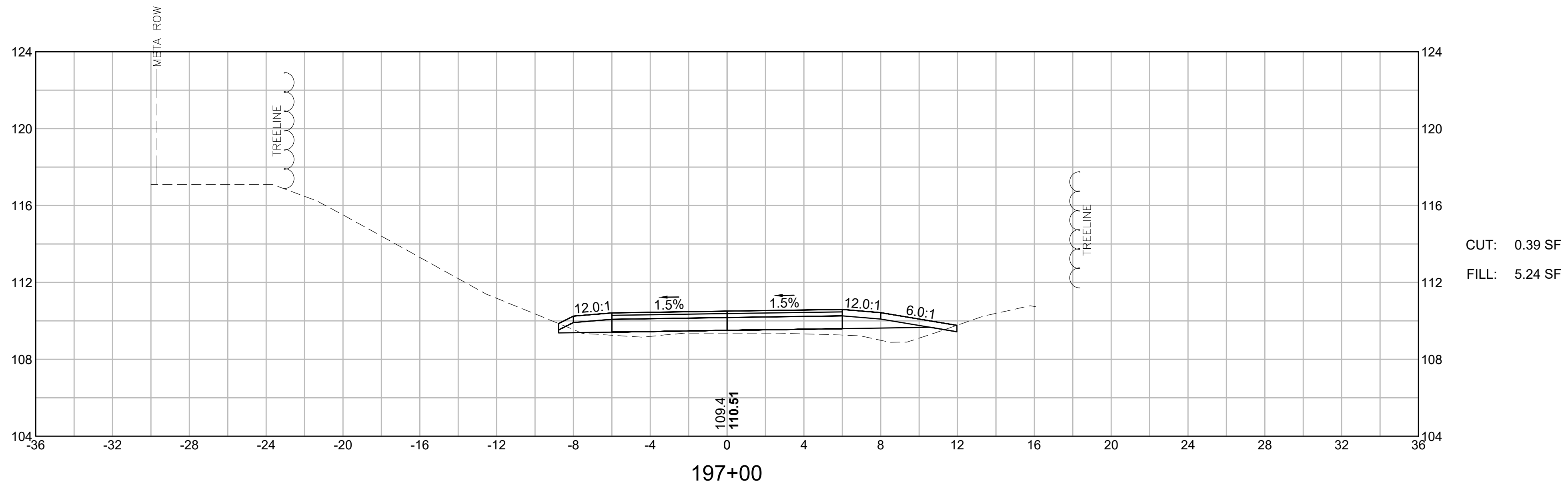
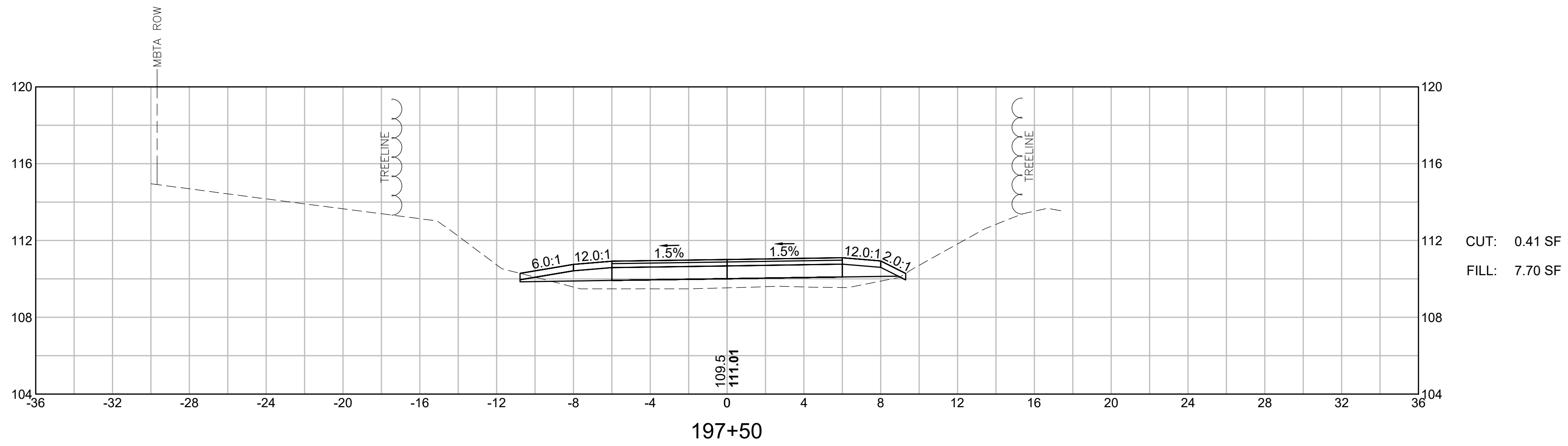
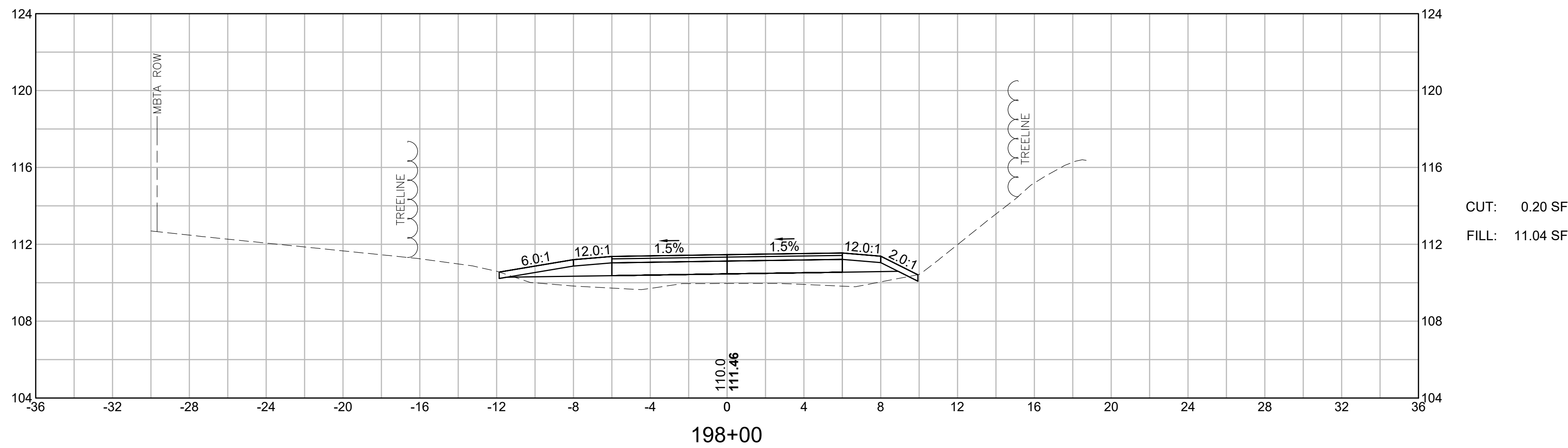
CROSS SECTIONS
LYNNFIELD RAIL TRAIL
PART 46 OF 71

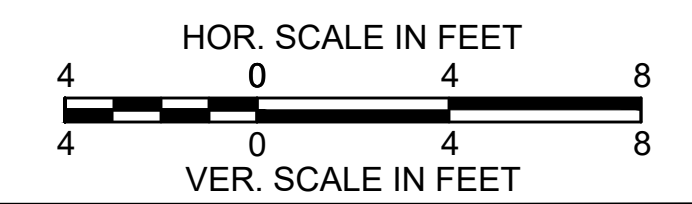
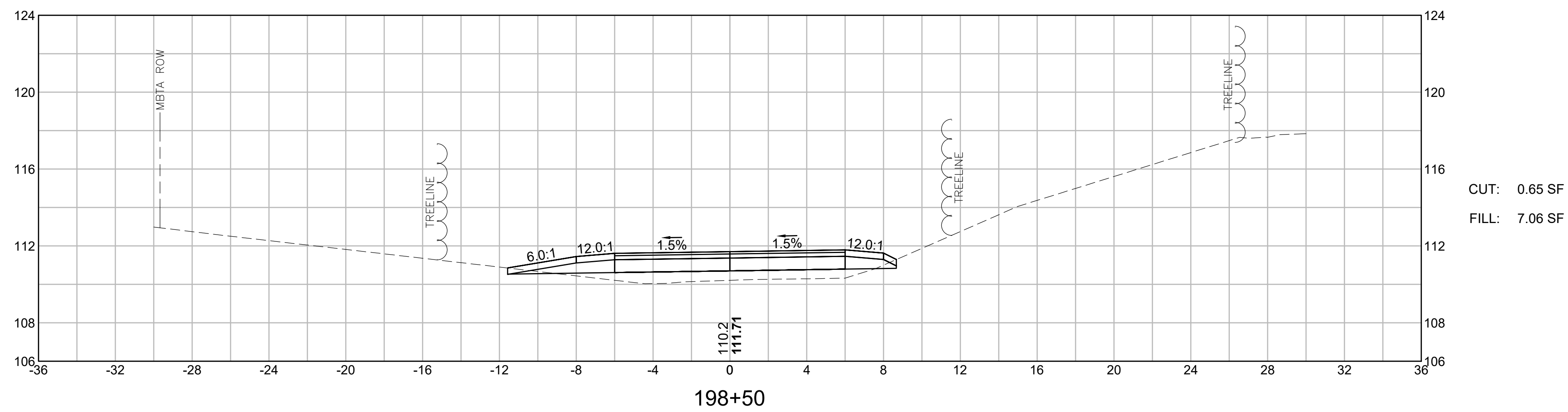
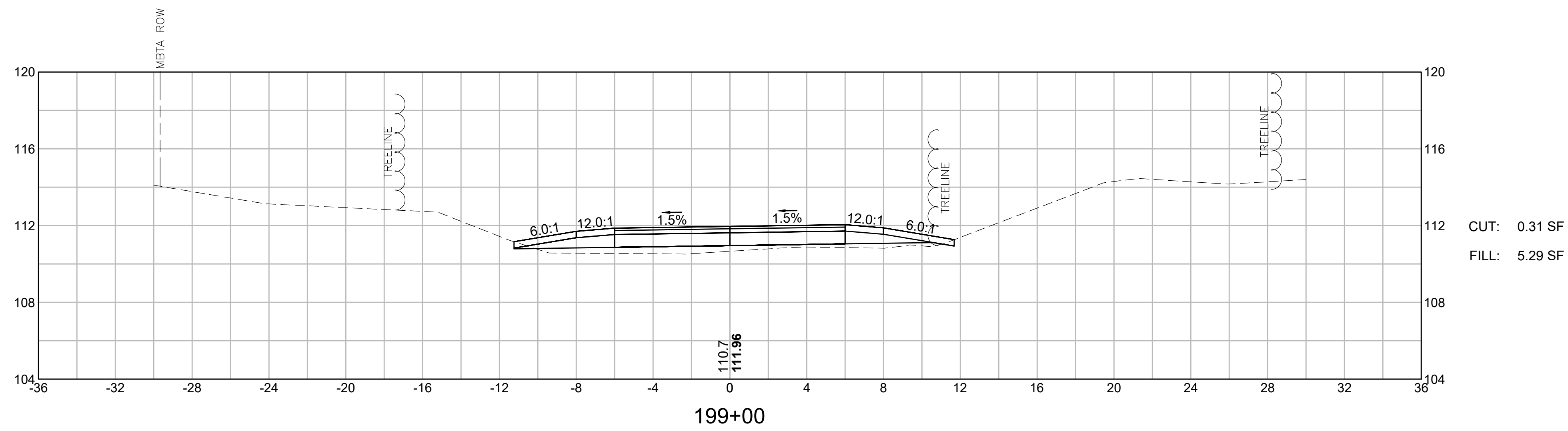
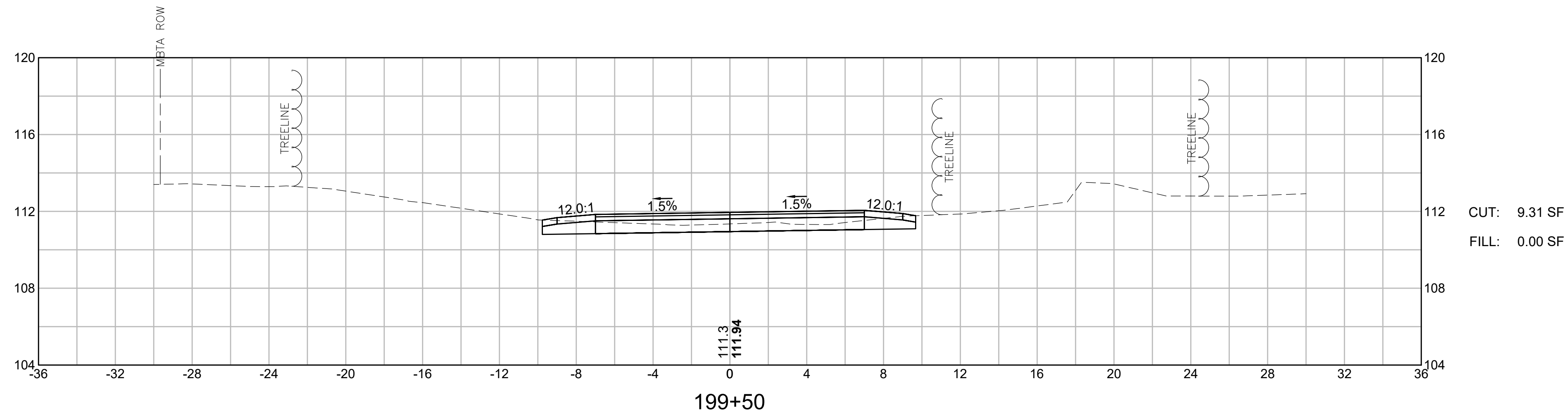


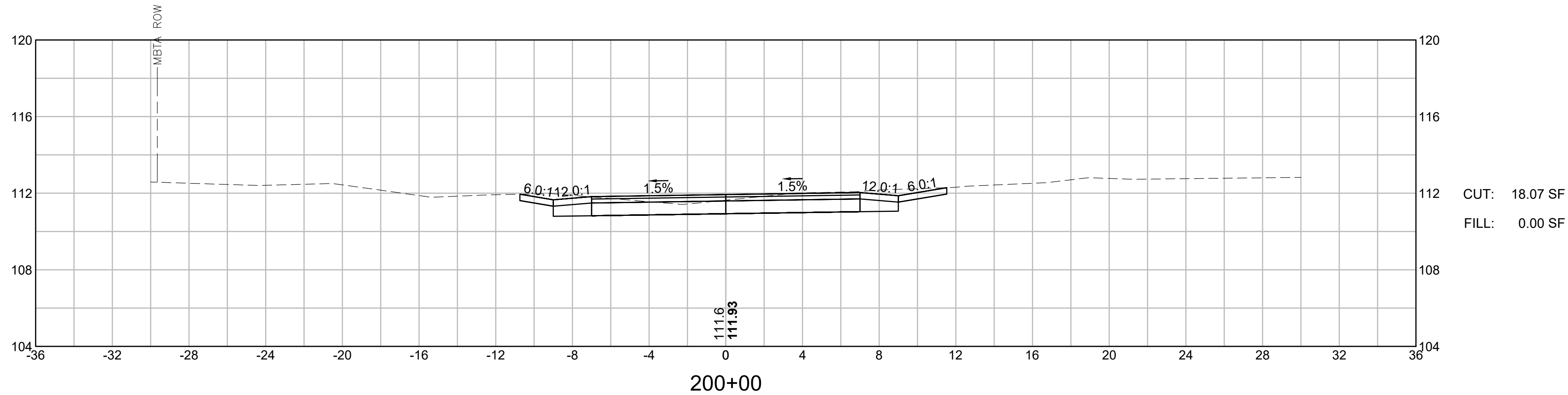
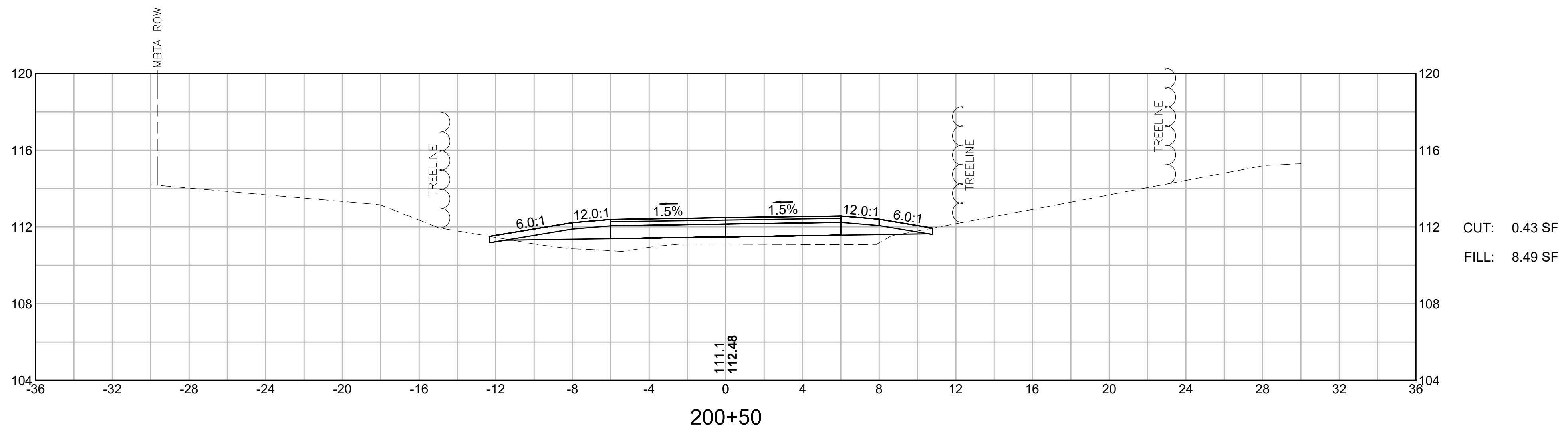
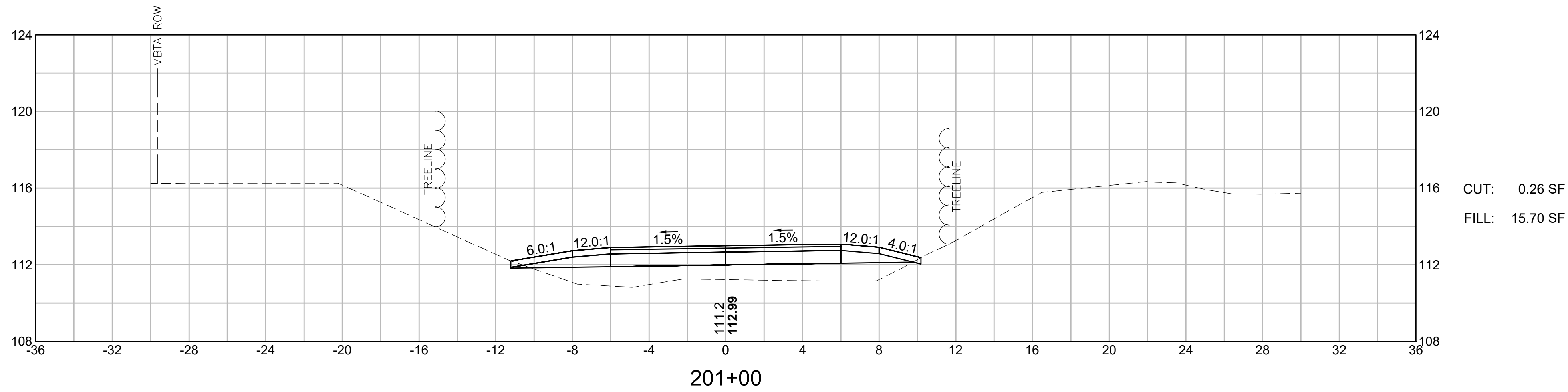


LYNNFIELD RAIL TRAIL CONSTRUCTION			
STATE	FED. AID PROJ. NO.	SHEET NO.	TOTAL SHEETS
MA	STP-0034(033)X	105	128
PROJECT FILE NO. 613163			

CROSS SECTIONS
LYNNFIELD RAIL TRAIL
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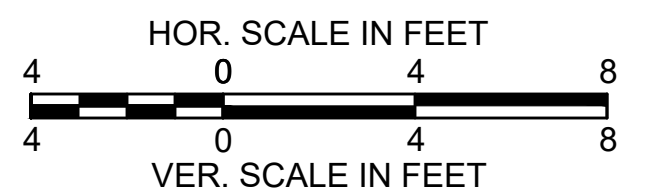
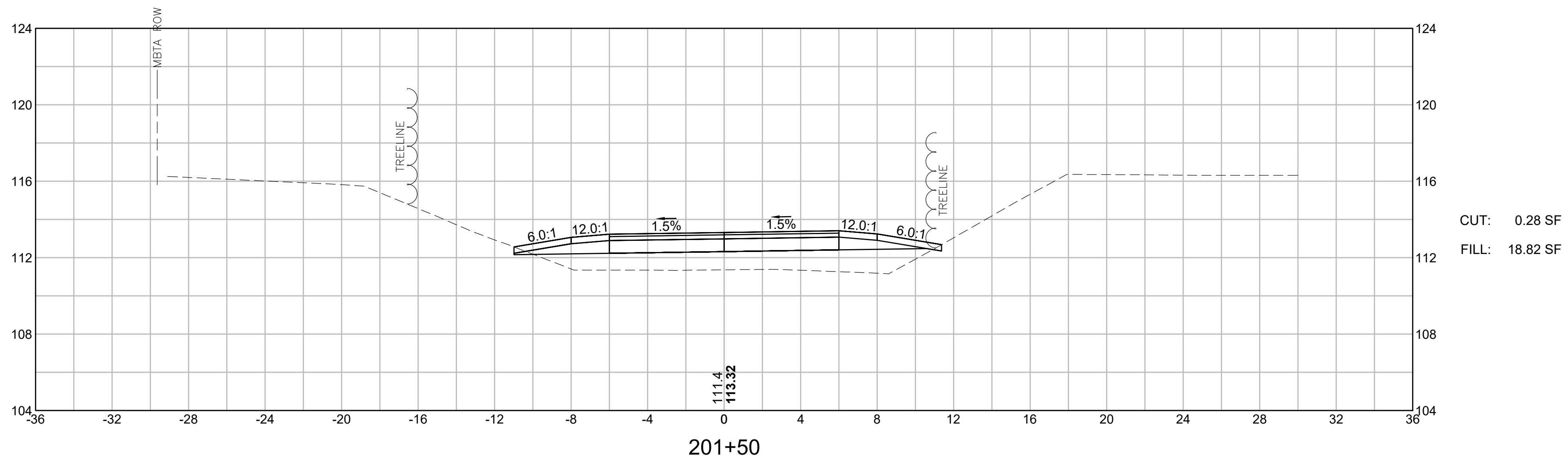
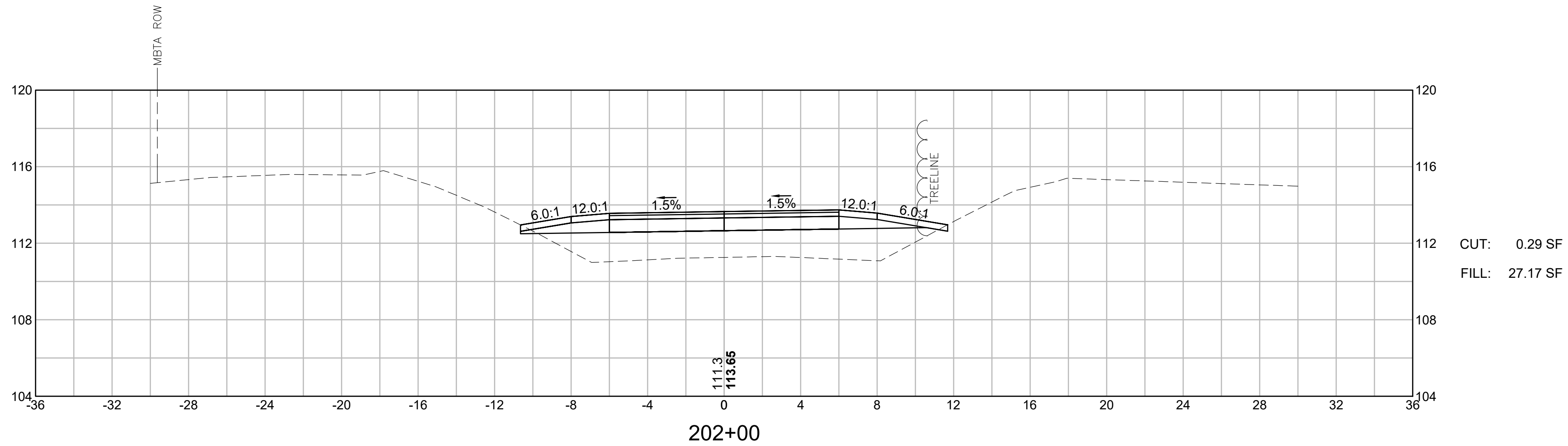
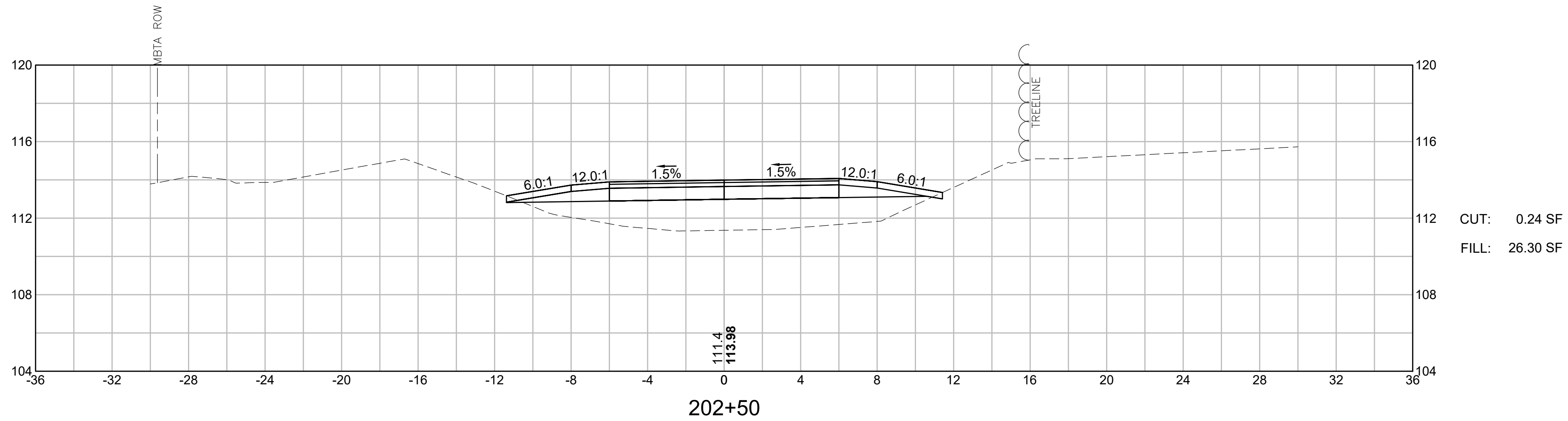






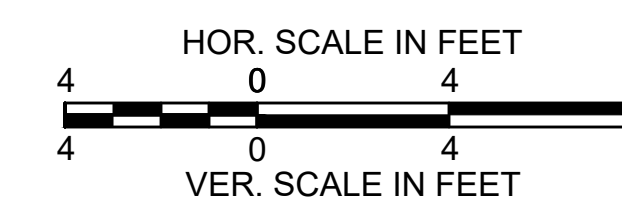
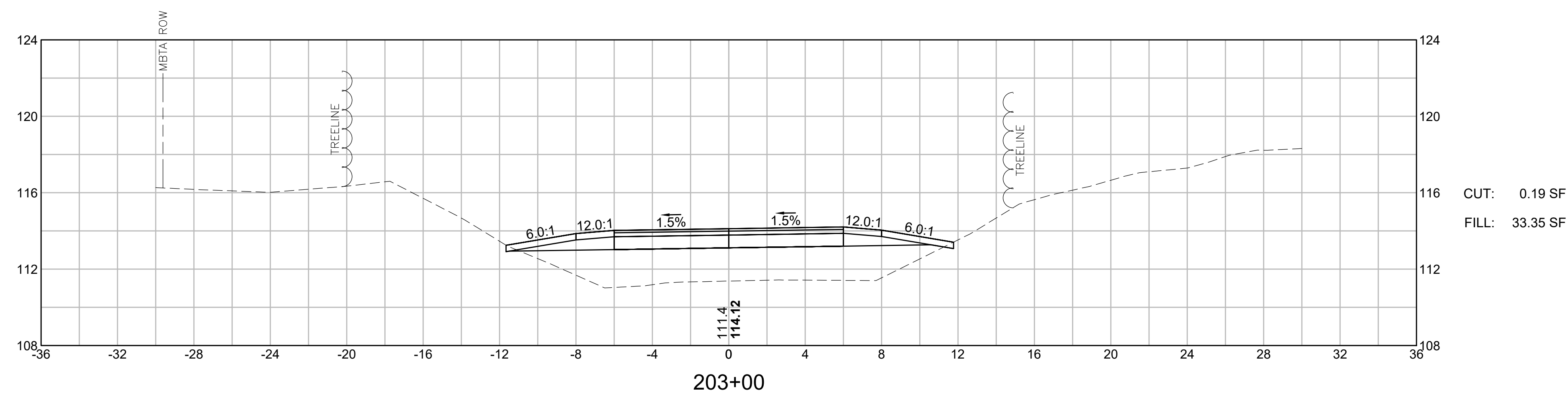
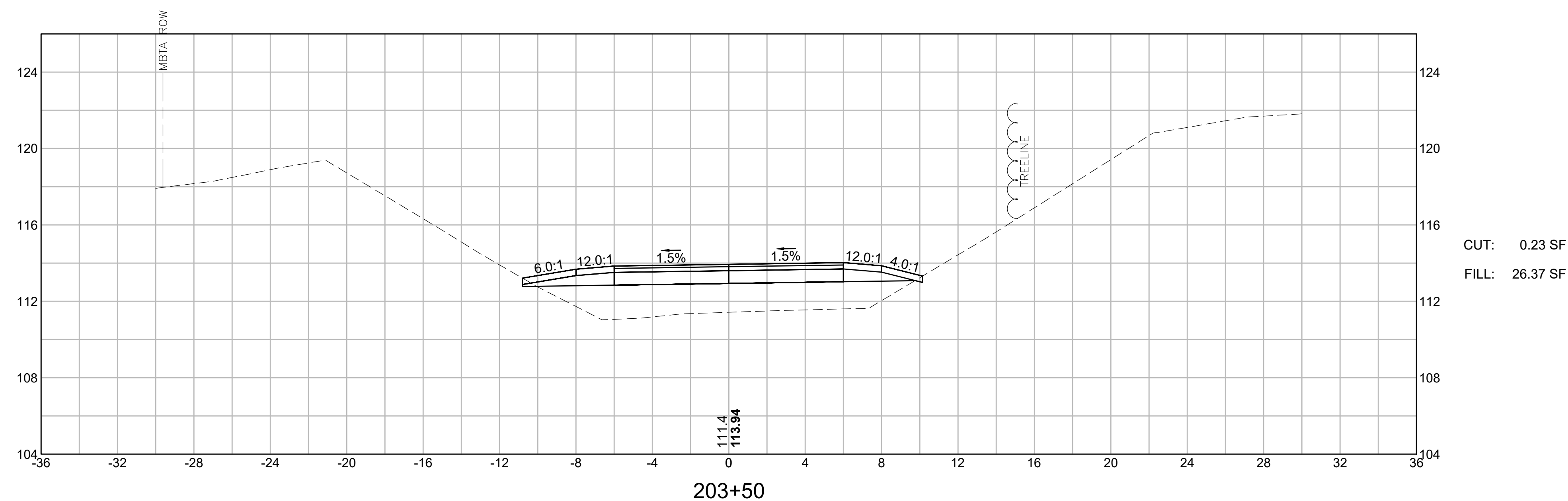
LYNNFIELD RAIL TRAIL CONSTRUCTION			
STATE	FED. AID PROJ. NO.	SHEET NO.	TOTAL SHEETS
MA	STP-0034(033)X	108	128
PROJECT FILE NO. 613163			

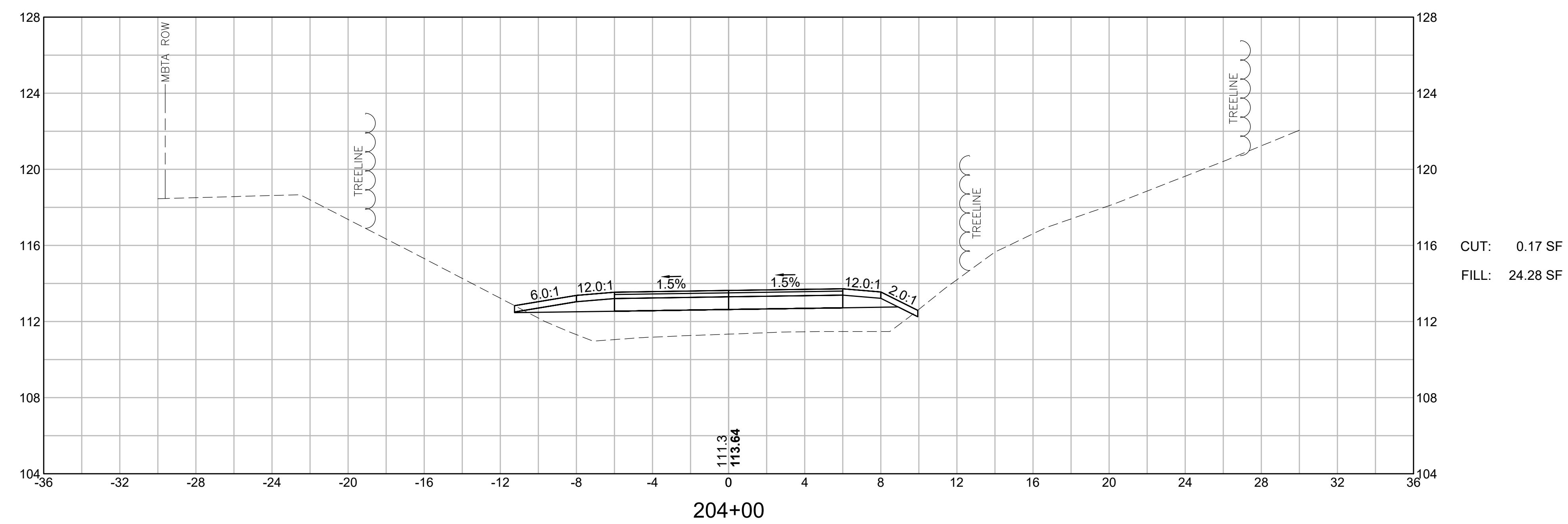
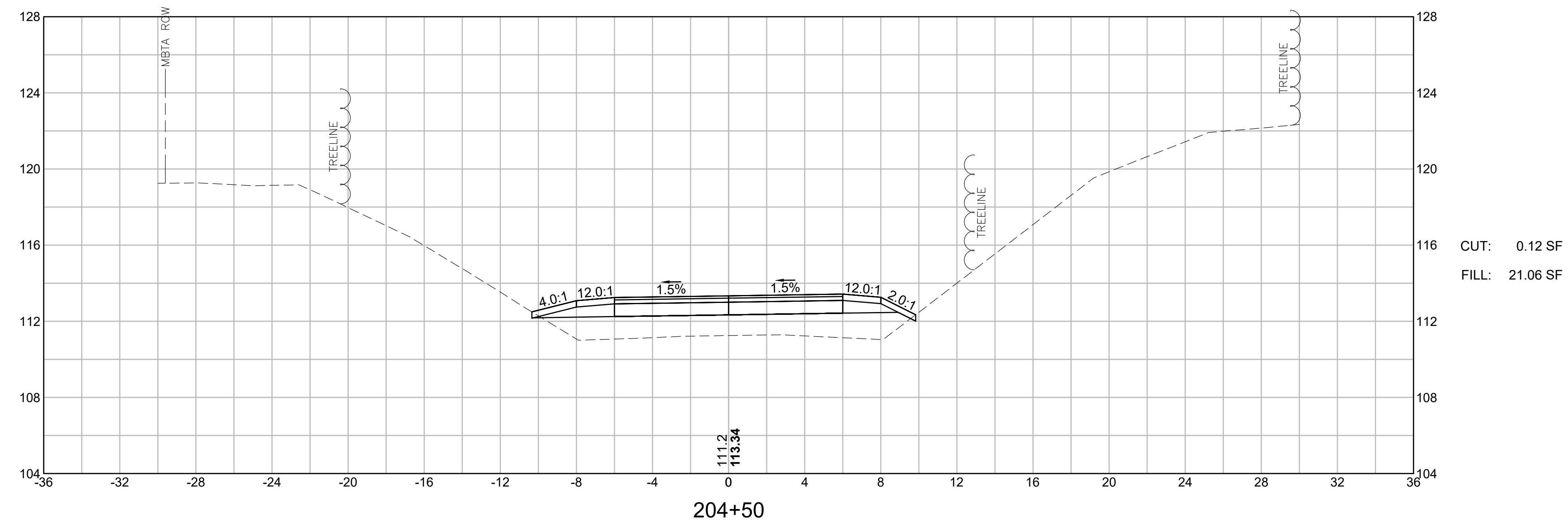
CROSS SECTIONS
LYNNFIELD RAIL TRAIL
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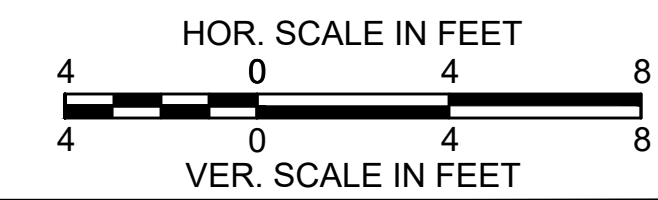
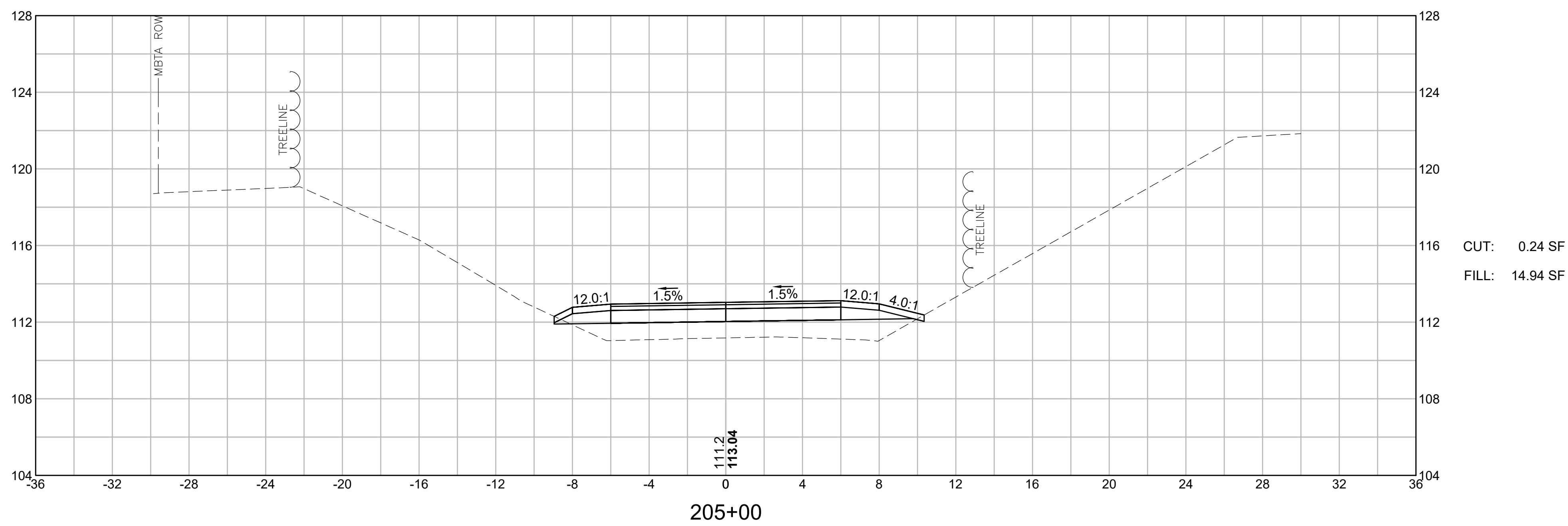
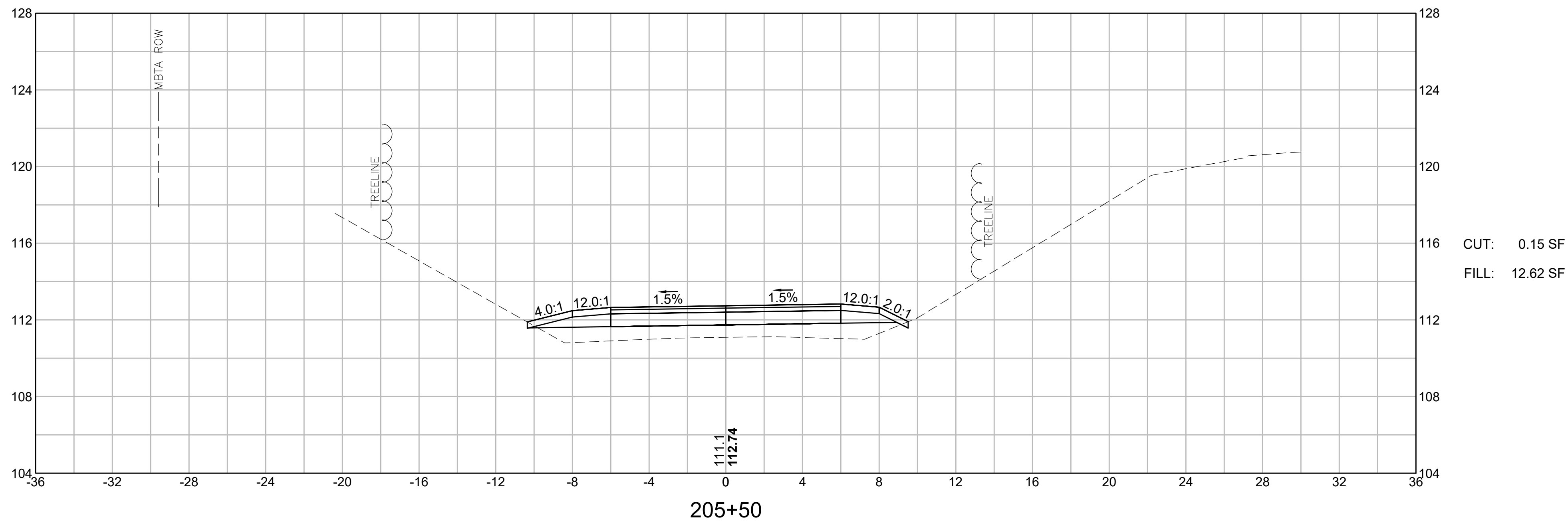


STATE	FED. AID PROJ. NO.	SHEET NO.	TOTAL SHEETS
MA	STP-0034(033)X	109	128
PROJECT FILE NO. 613163			

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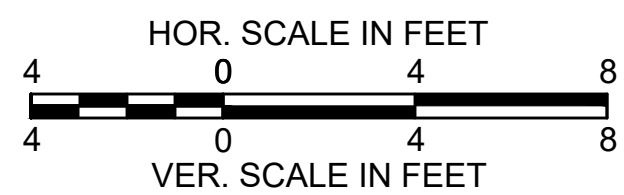
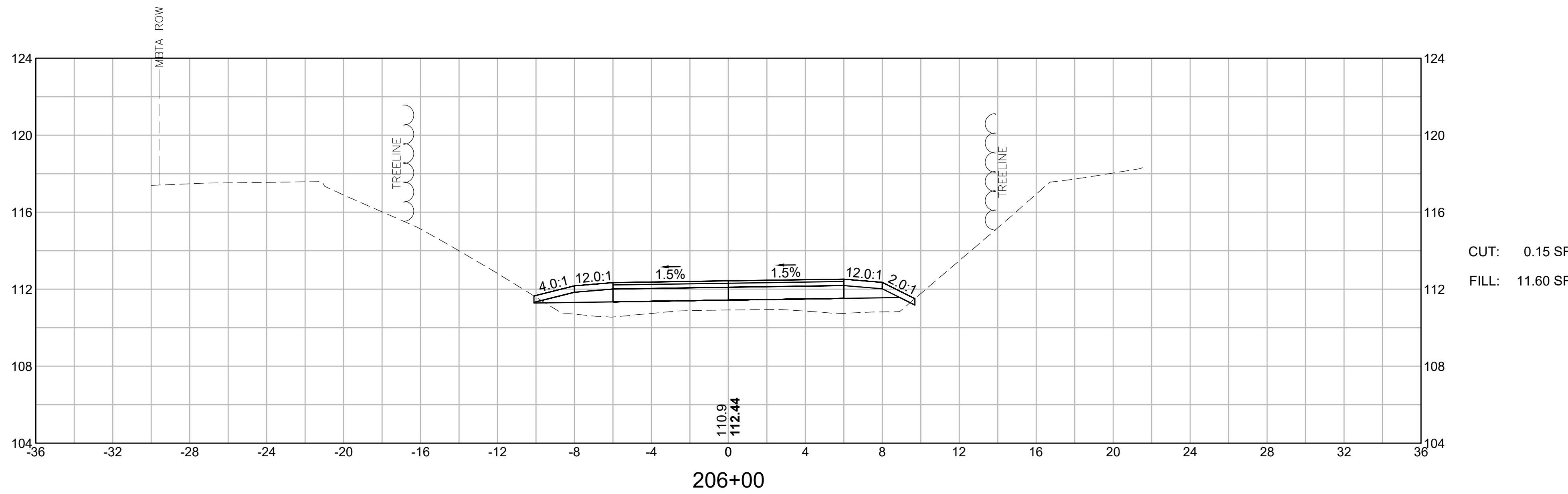
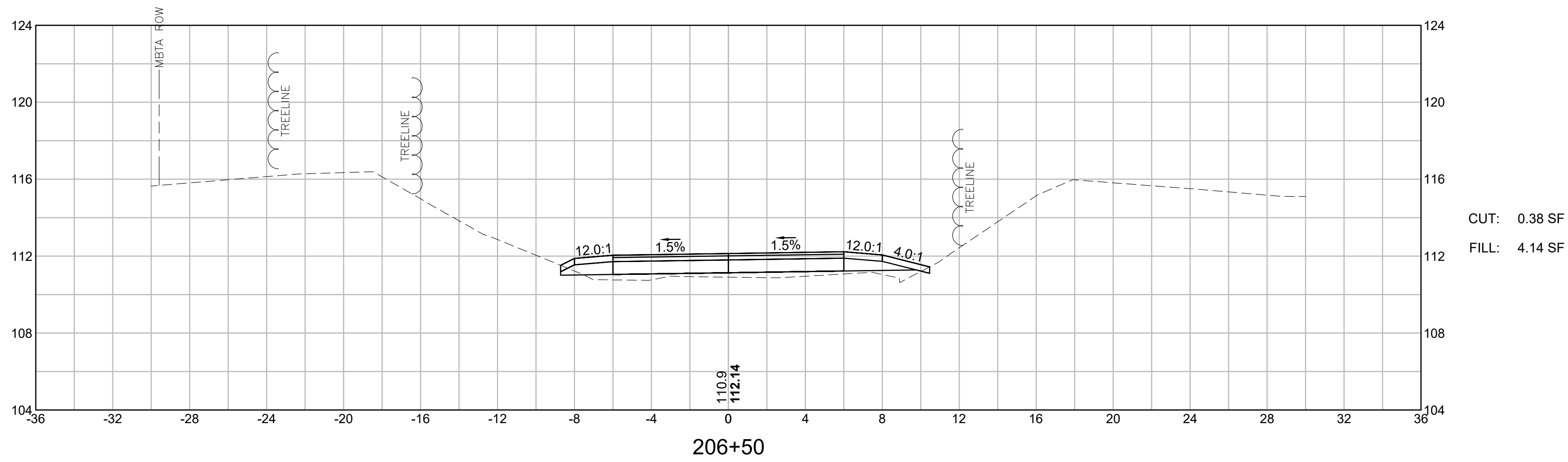
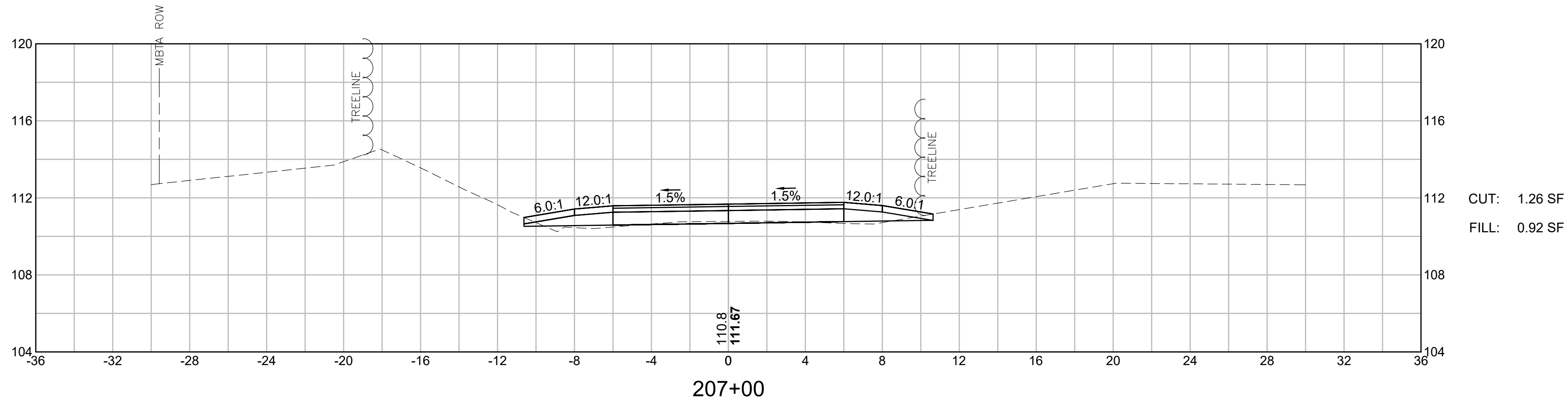


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RAIL TRAIL CONSTRUCTION

STATE	FED. AID PROJ. NO.	SHEET NO.	TOTAL SHEETS
MA	STP-0034(033)X	112	128

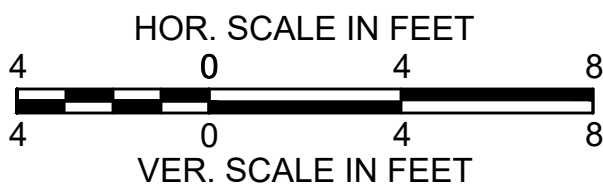
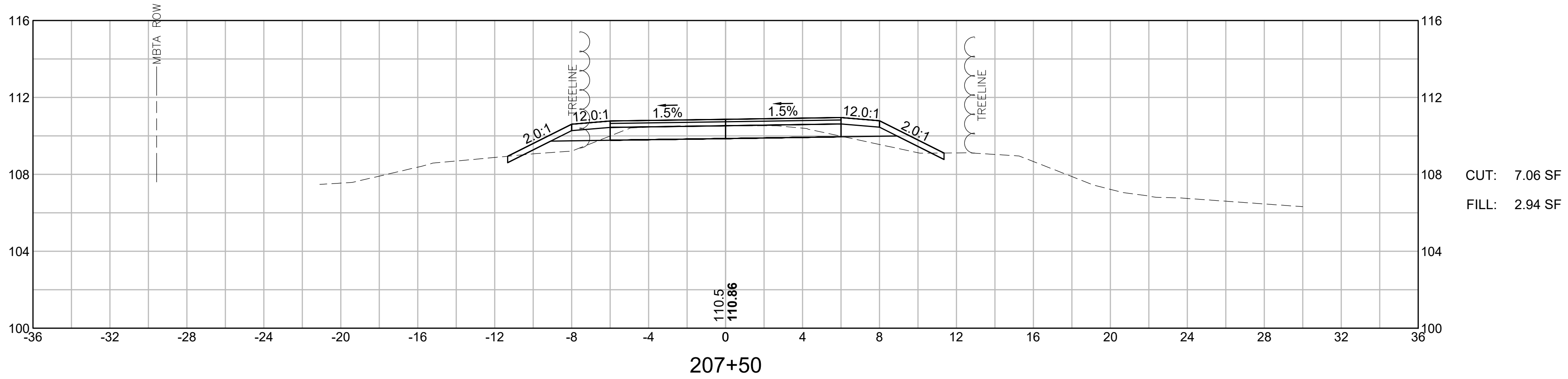
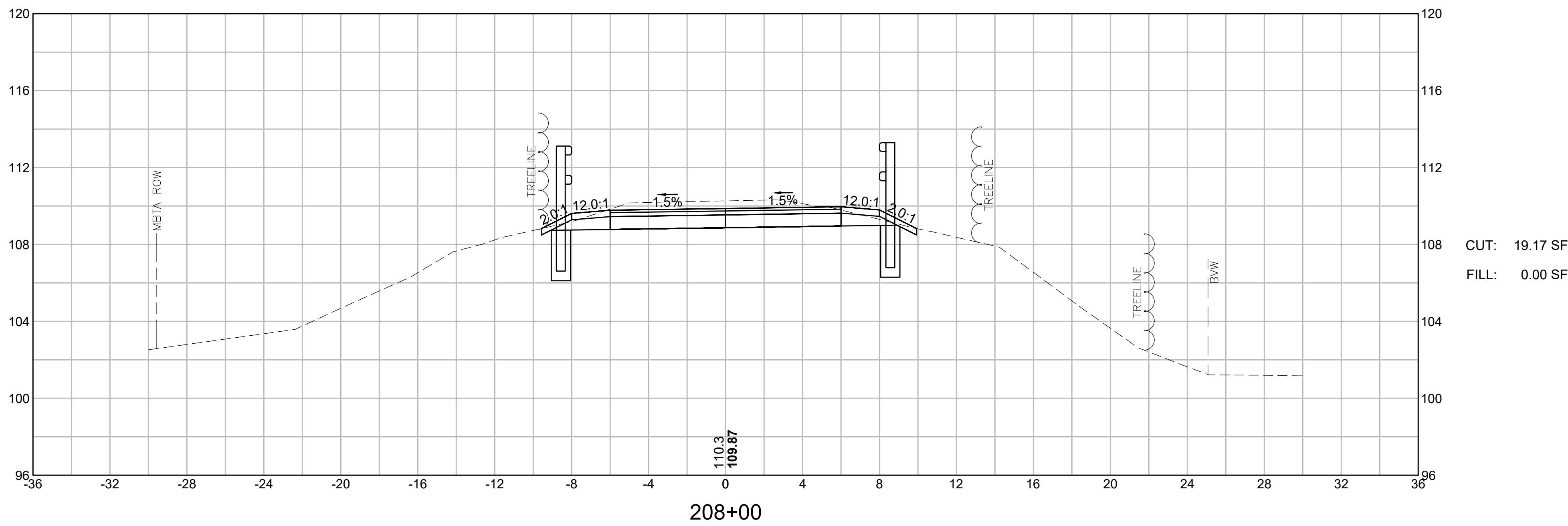
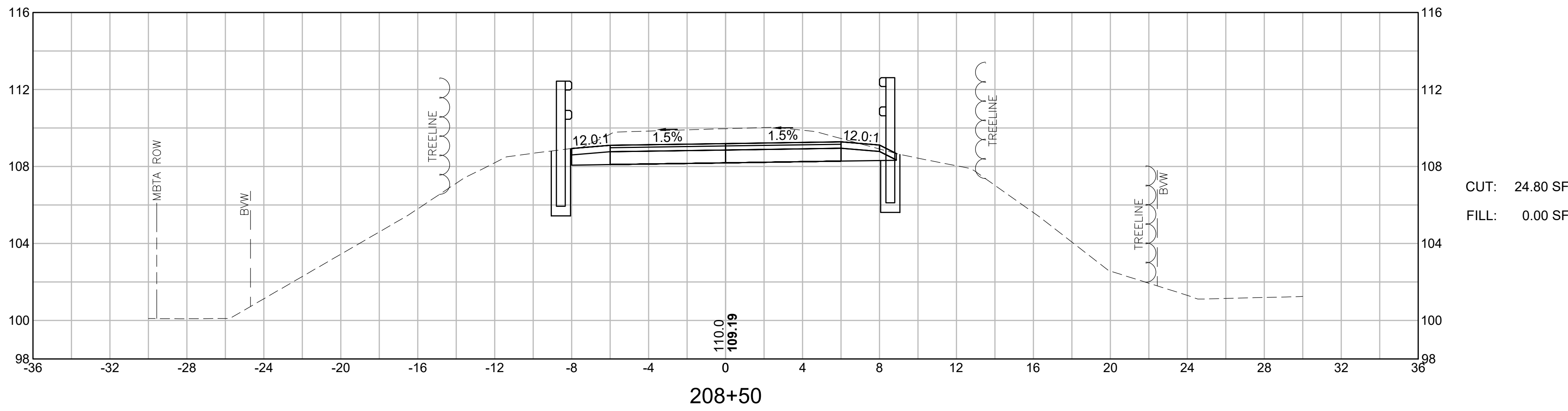
PROJECT FILE NO. 613163

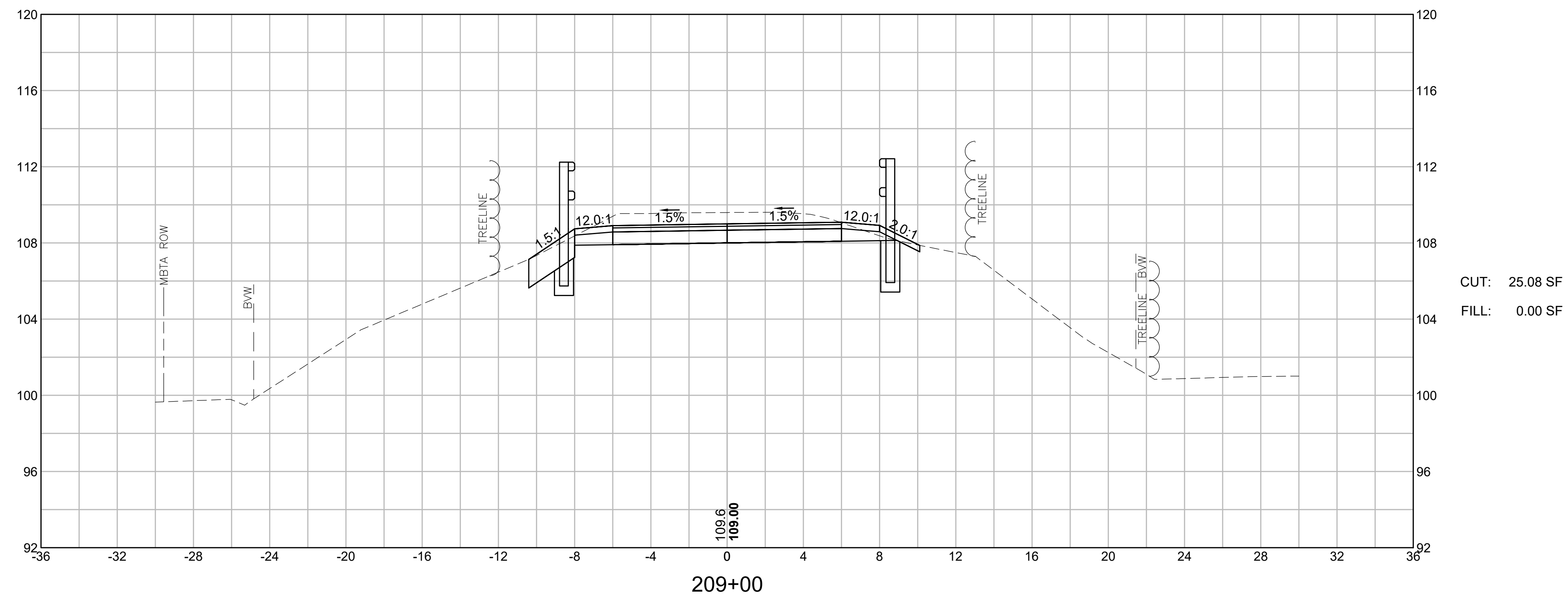
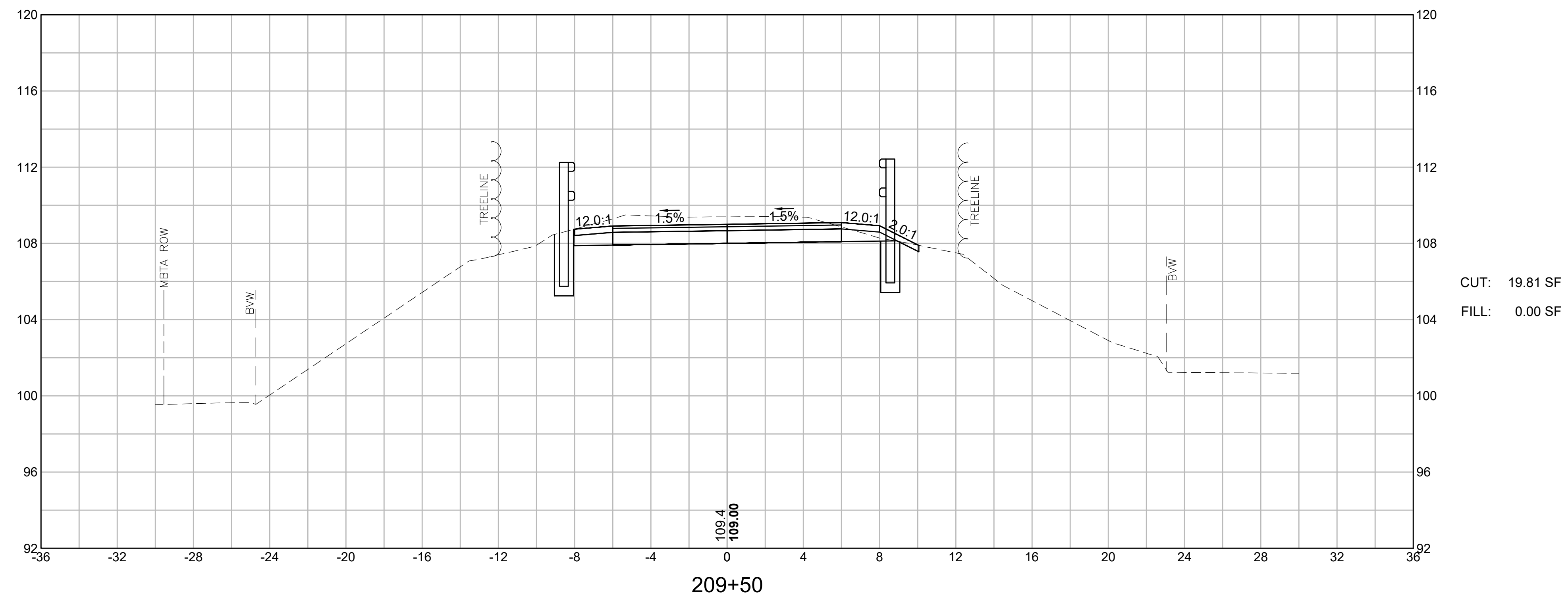
CROSS SECTIONS
LYNNFIELD RAIL TRAIL
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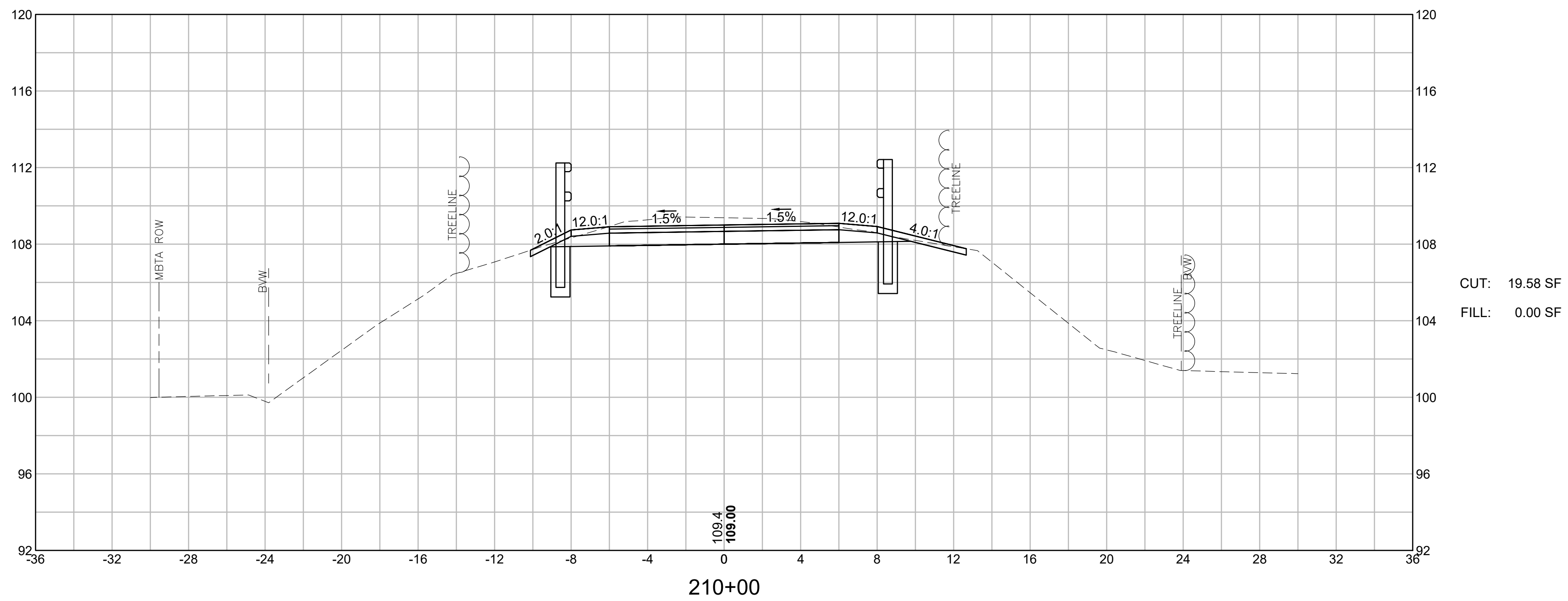
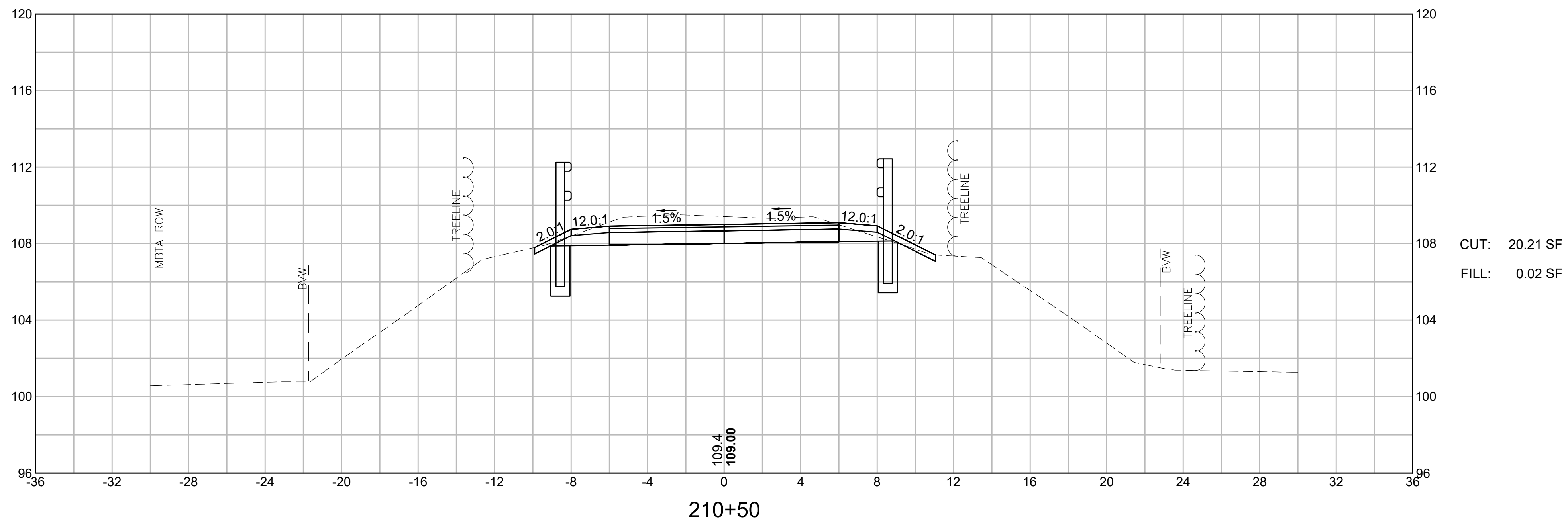


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STATE	FED. AID PROJ. NO.	SHEET NO.	TOTAL SHEETS
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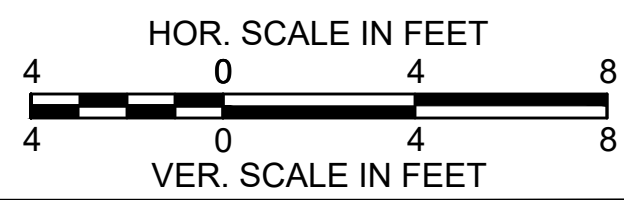
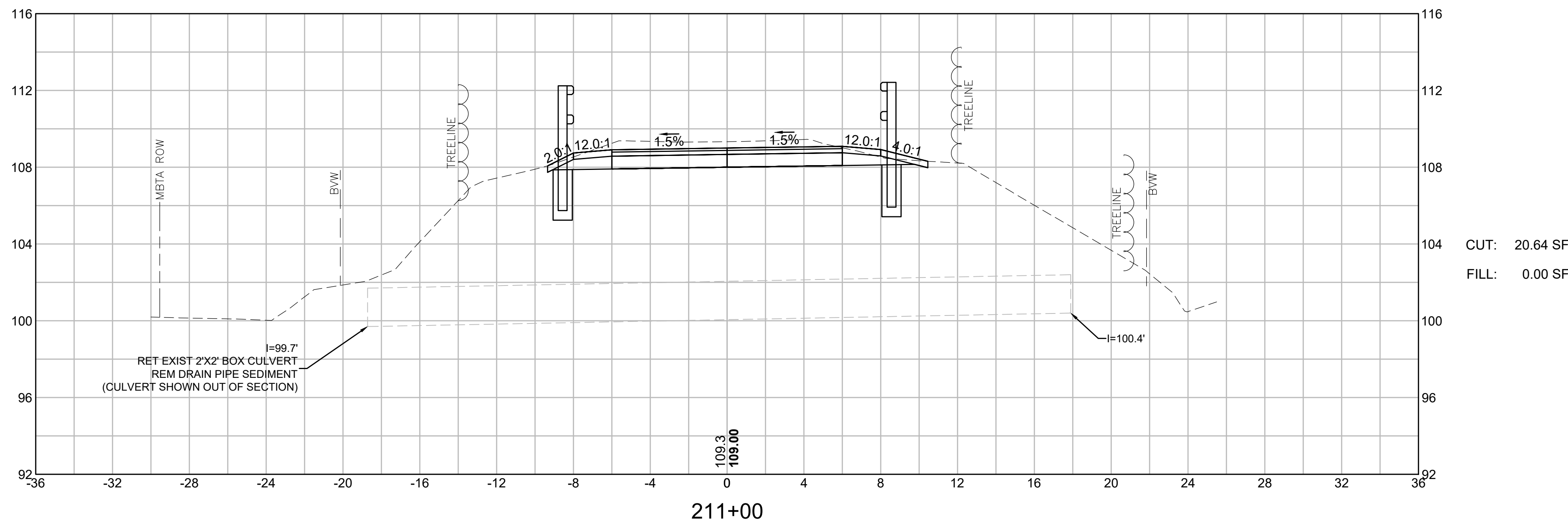
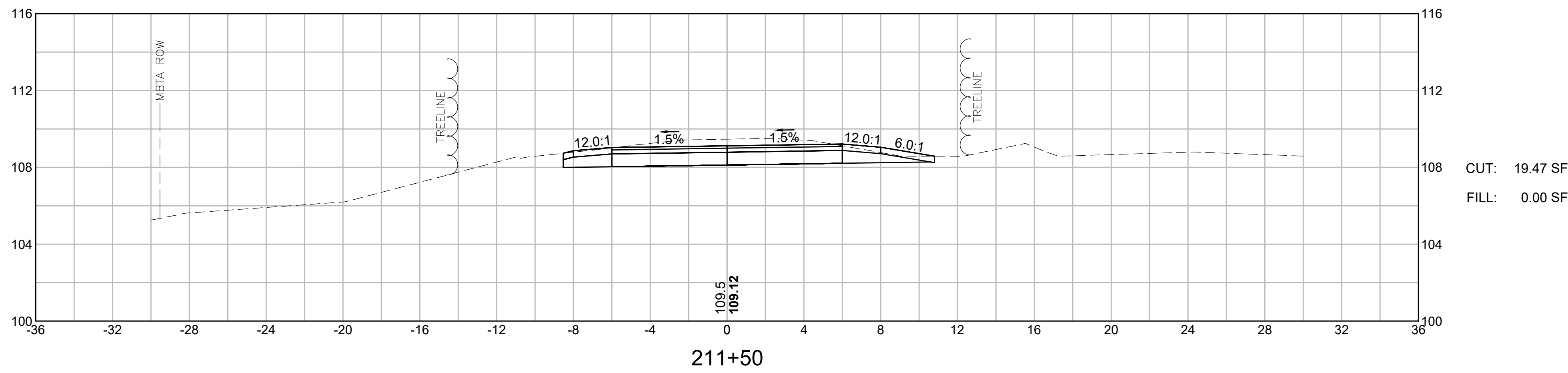
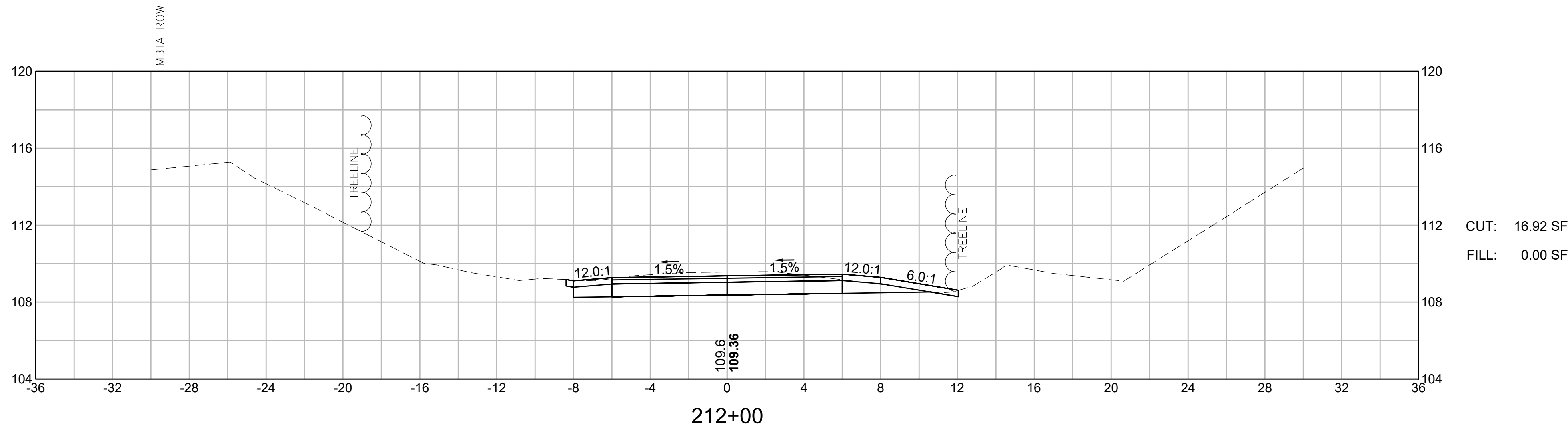






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STATE	FED. AID PROJ. NO.	SHEET NO.	TOTAL SHEETS
MA	STP-0034(033)X	116	128
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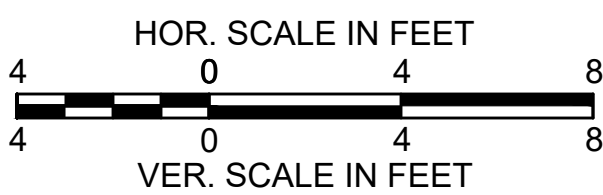
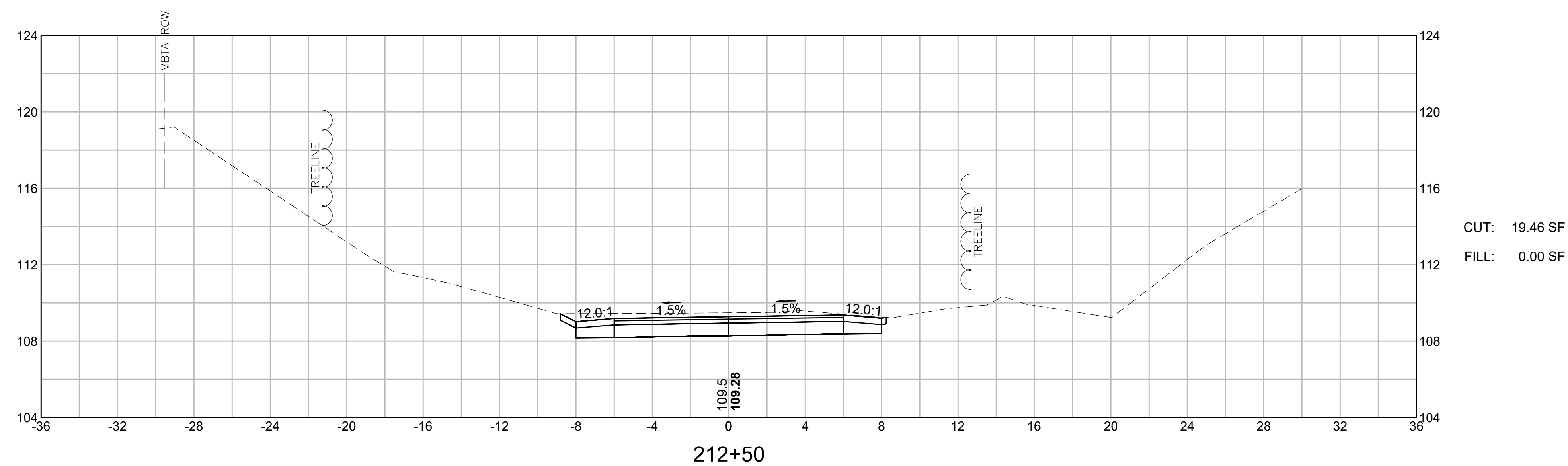
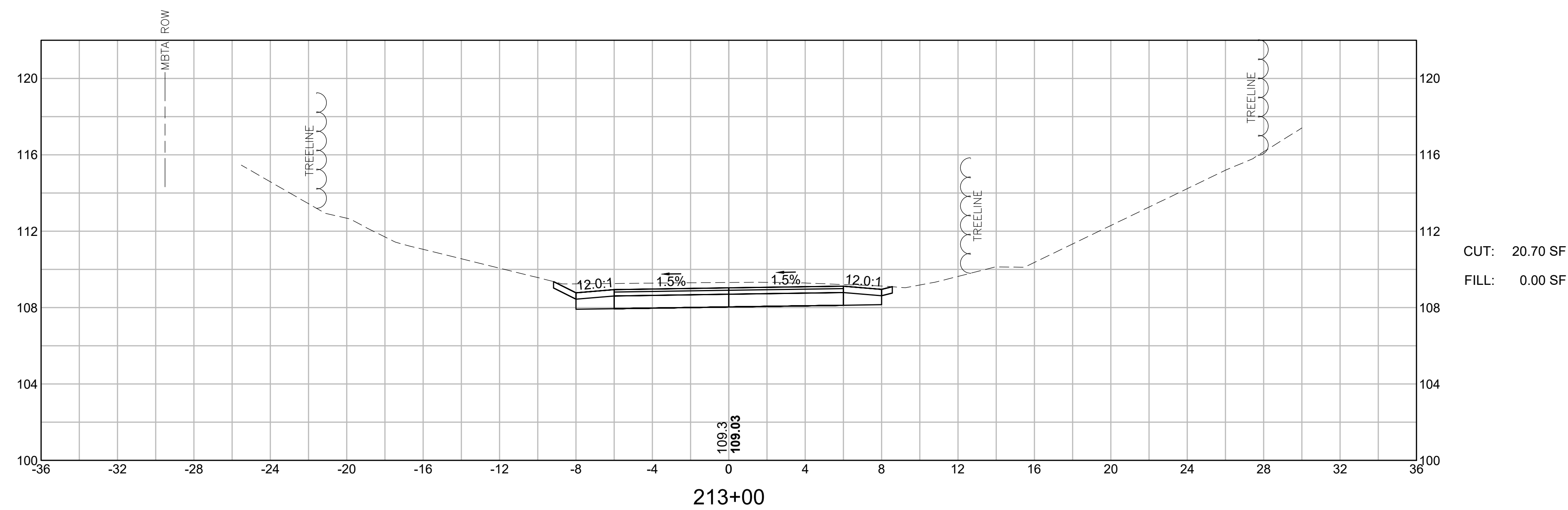
CROSS SECTIONS
LYNNFIELD RAIL TRAIL
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RAIL TRAIL CONSTRUCTION

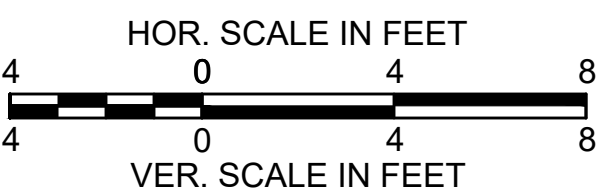
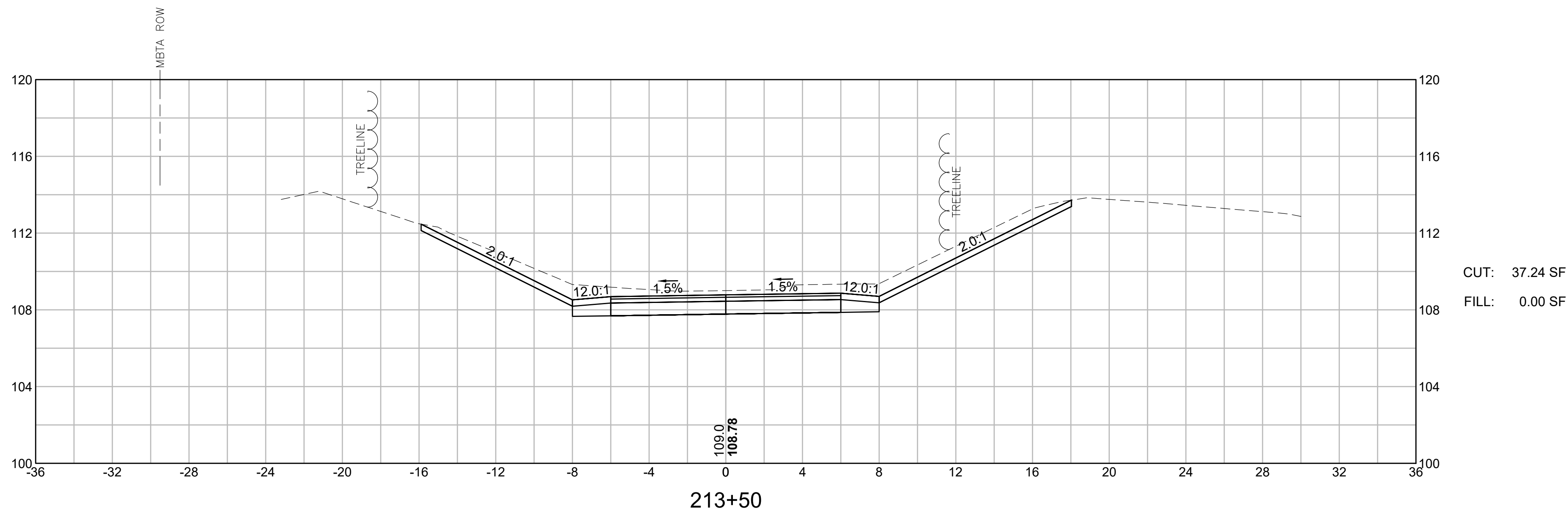
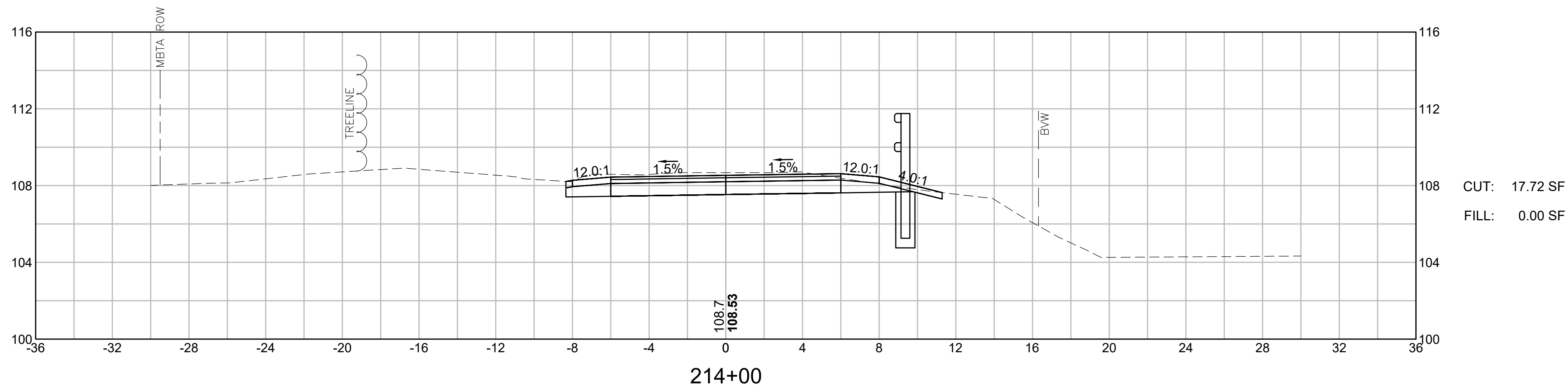
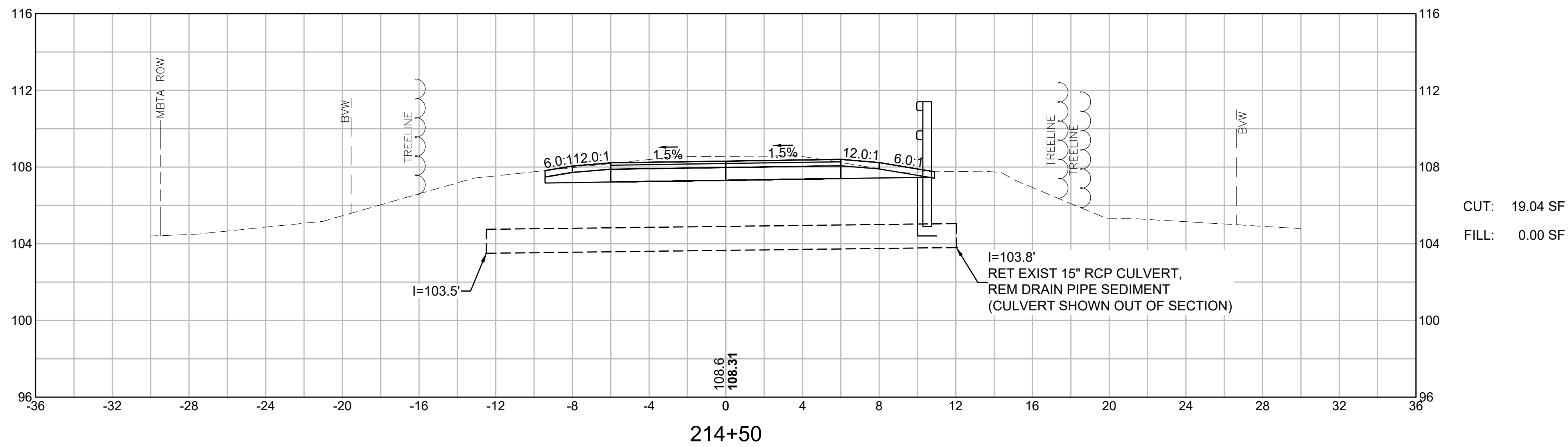
STATE	FED. AID PROJ. NO.	SHEET NO.	TOTAL SHEETS
MA	STP-0034(033)X	117	128
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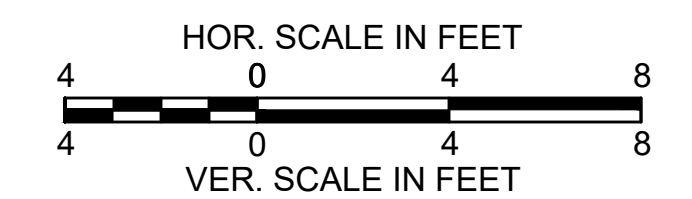
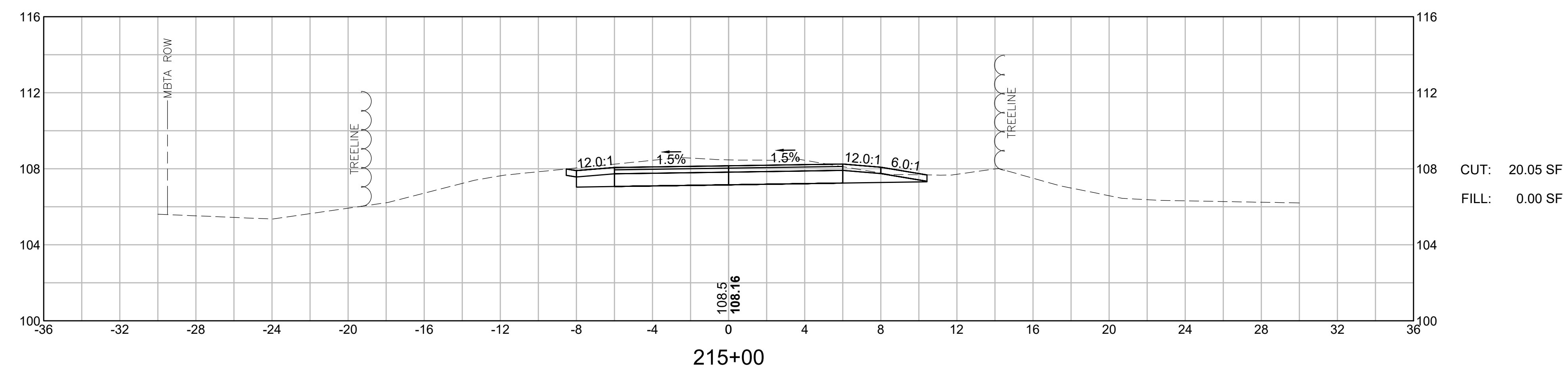
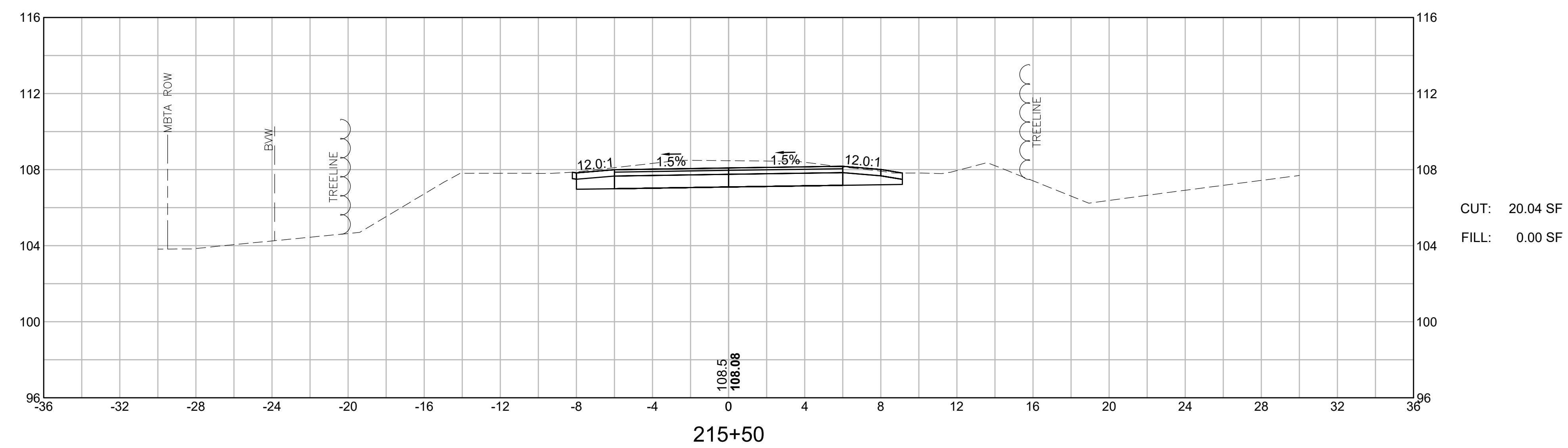
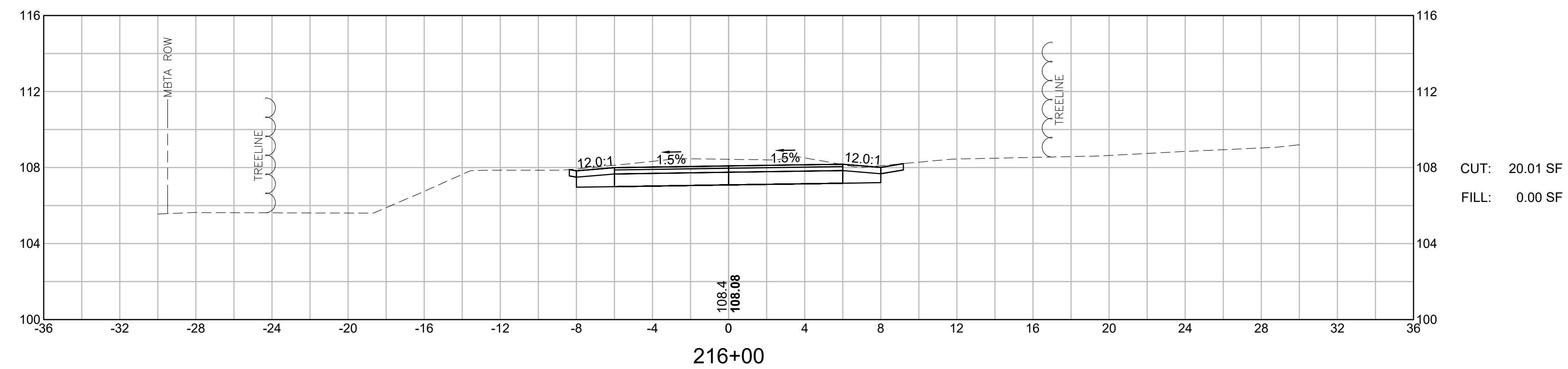
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STATE	FED. AID PROJ. NO.	SHEET NO.	TOTAL SHEETS
MA	STP-0034(033)X	118	128
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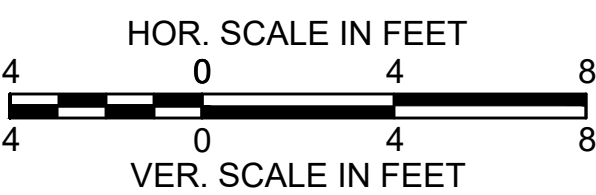
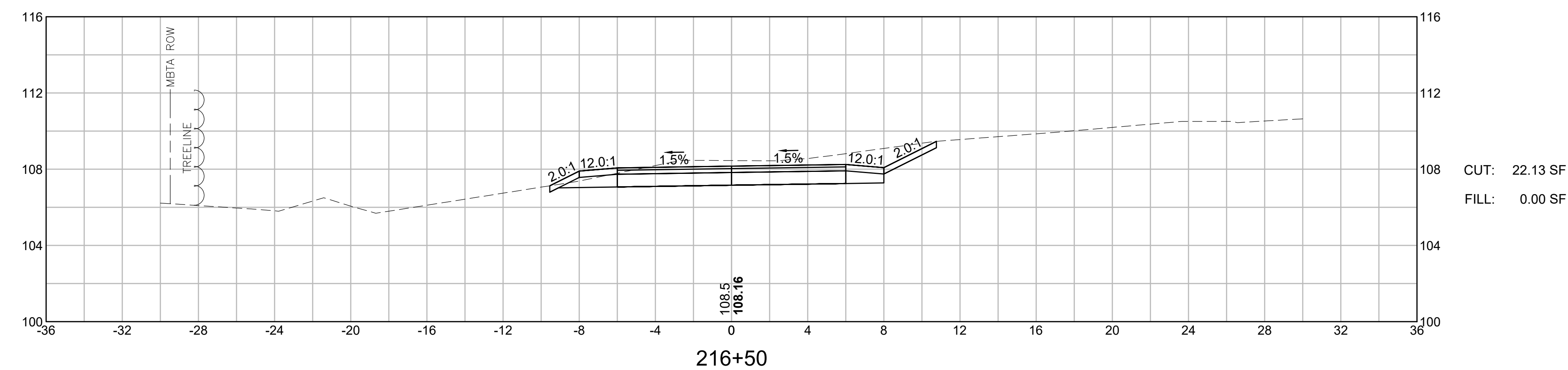
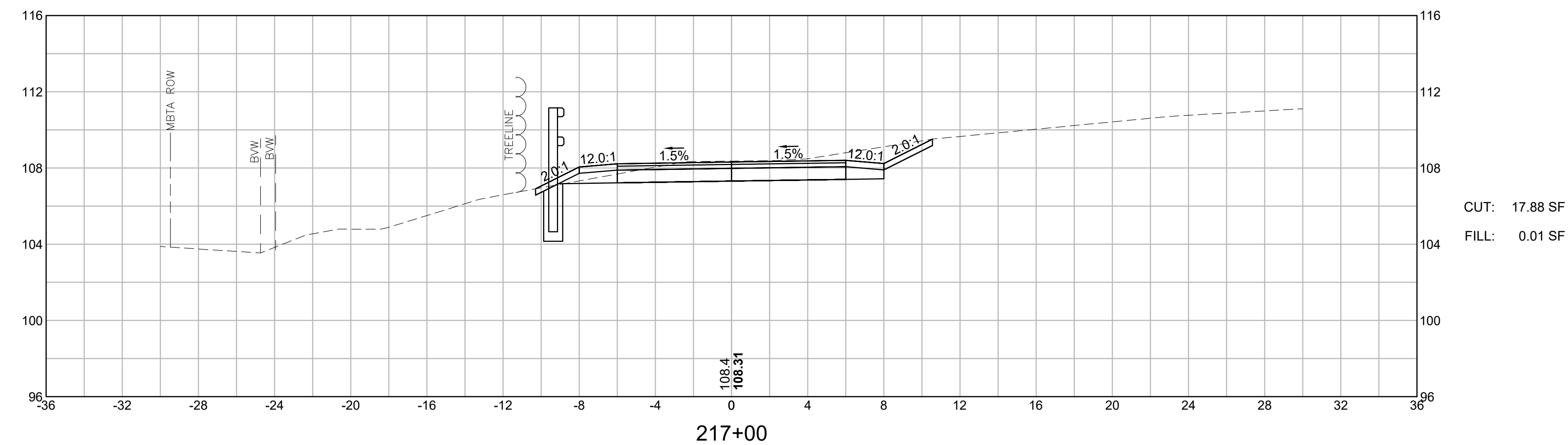
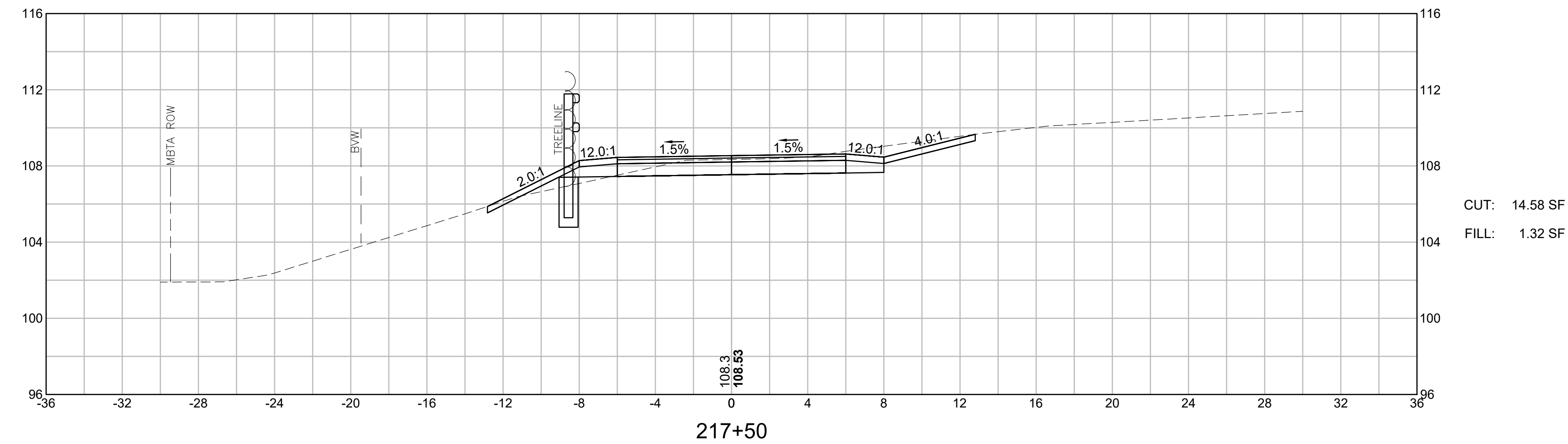
CROSS SECTIONS
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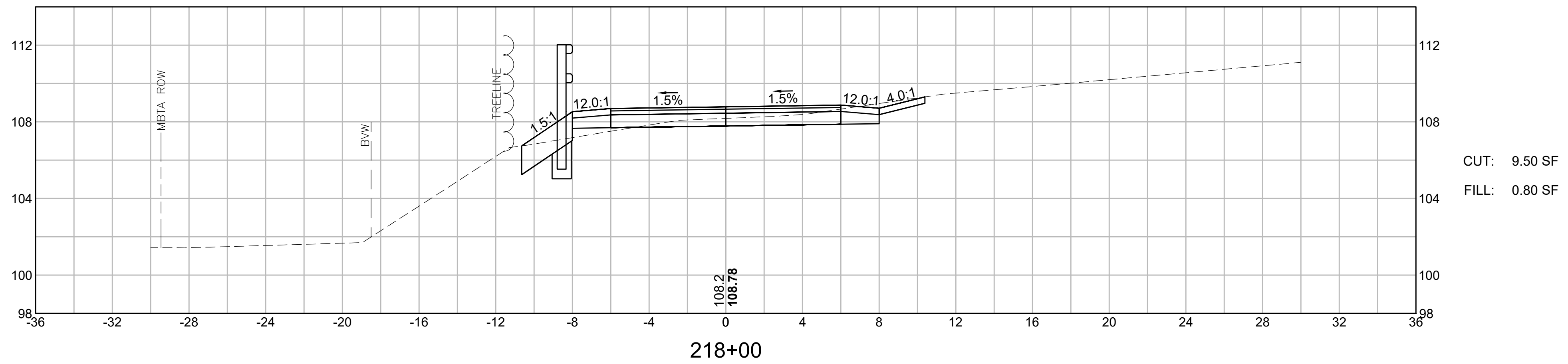
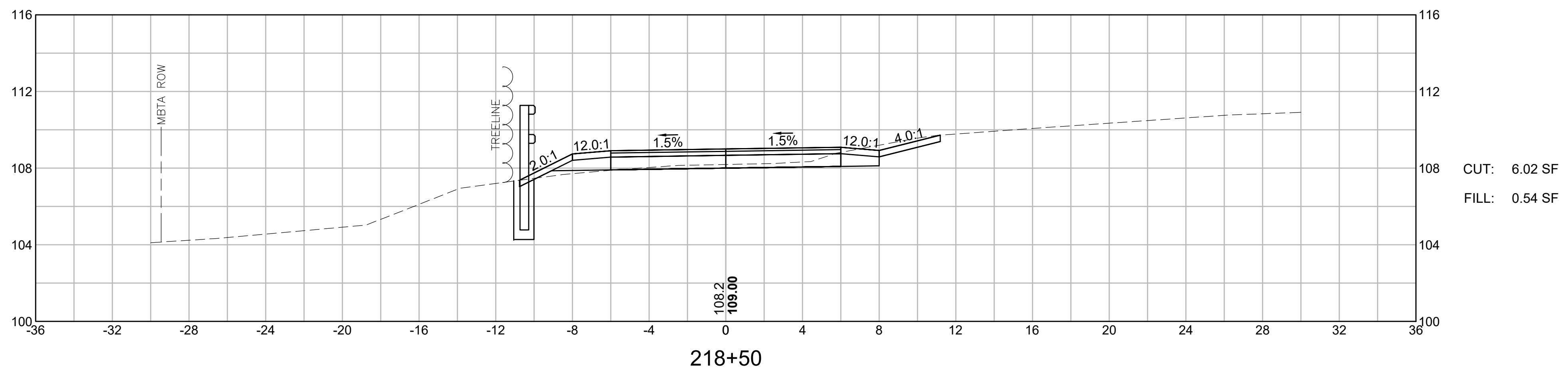
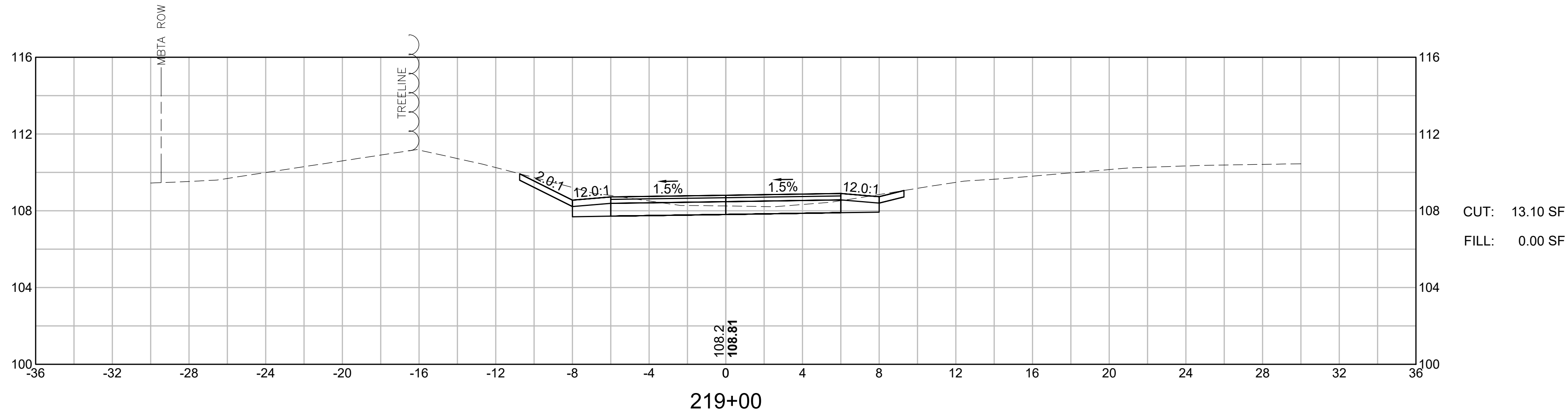




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STATE	FED. AID PROJ. NO.	SHEET NO.	TOTAL SHEETS
MA	STP-0034(033)X	120	128
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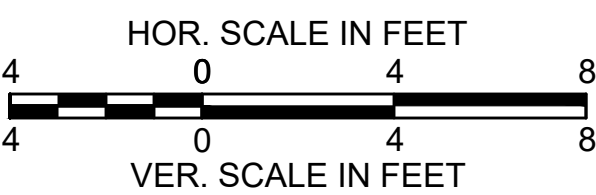
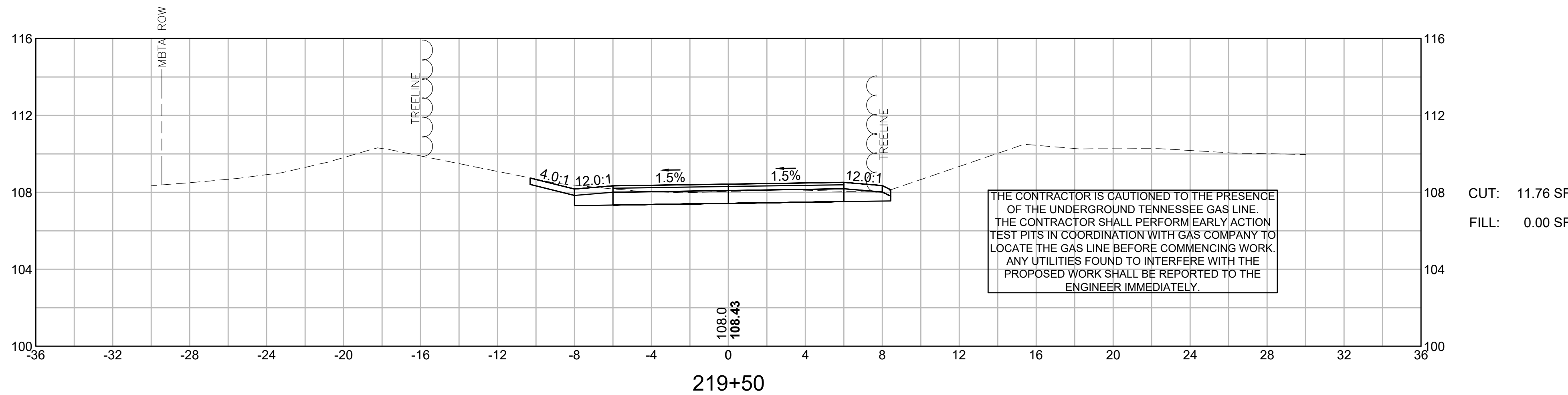
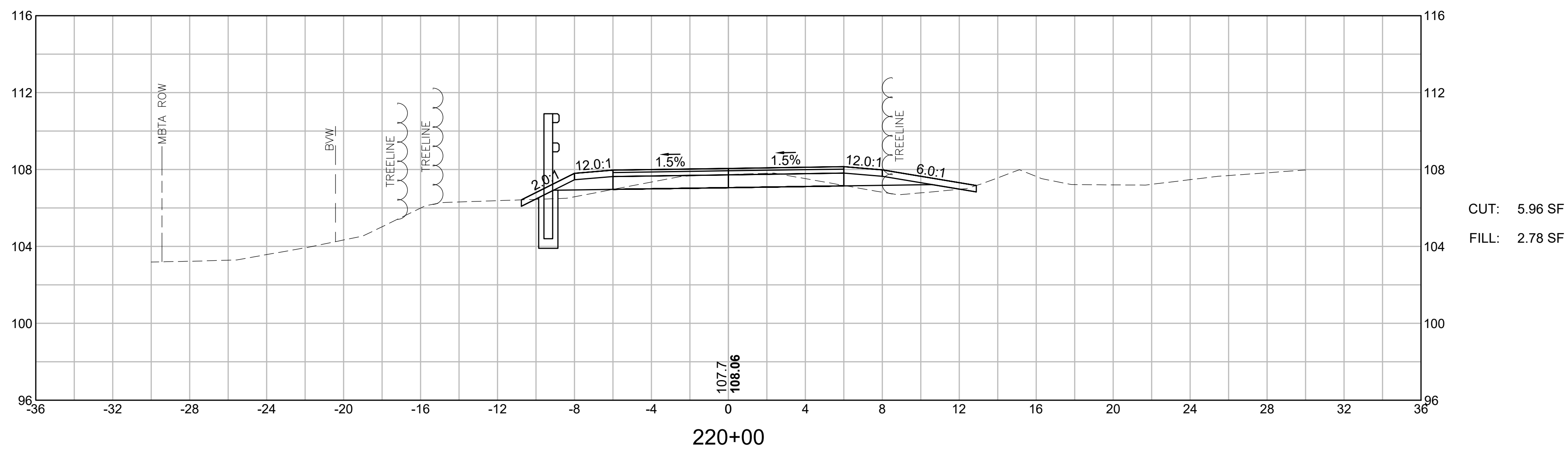
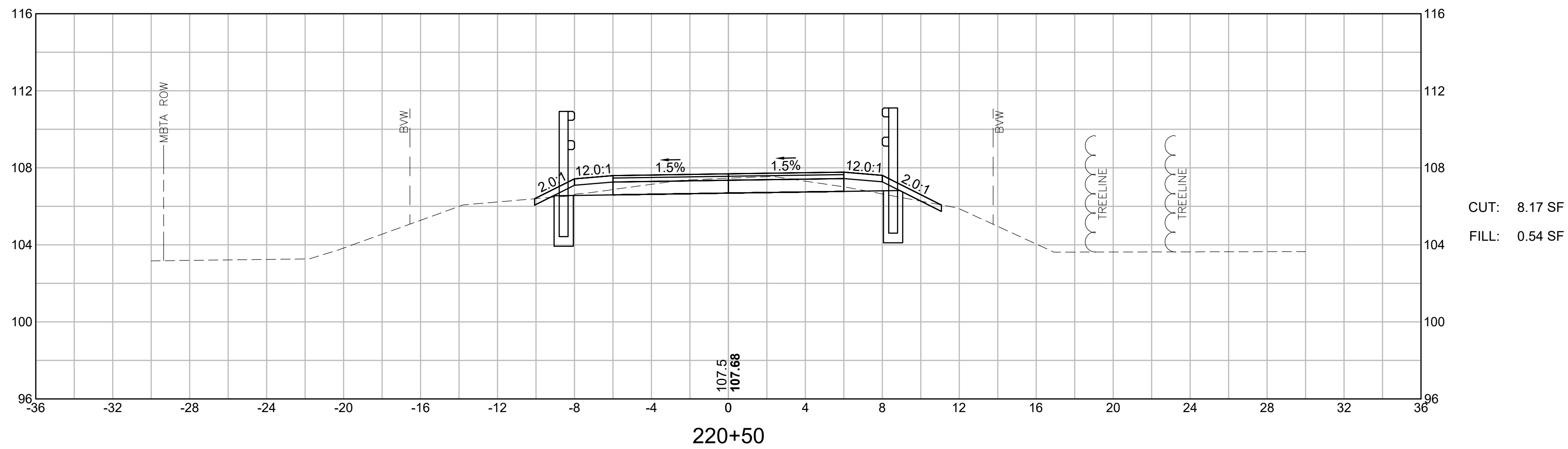
CROSS SECTIONS
LYNNFIELD RAIL TRAIL
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STATE	FED. AID PROJ. NO.	SHEET NO.	TOTAL SHEETS
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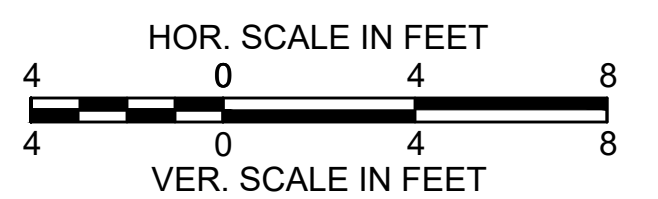
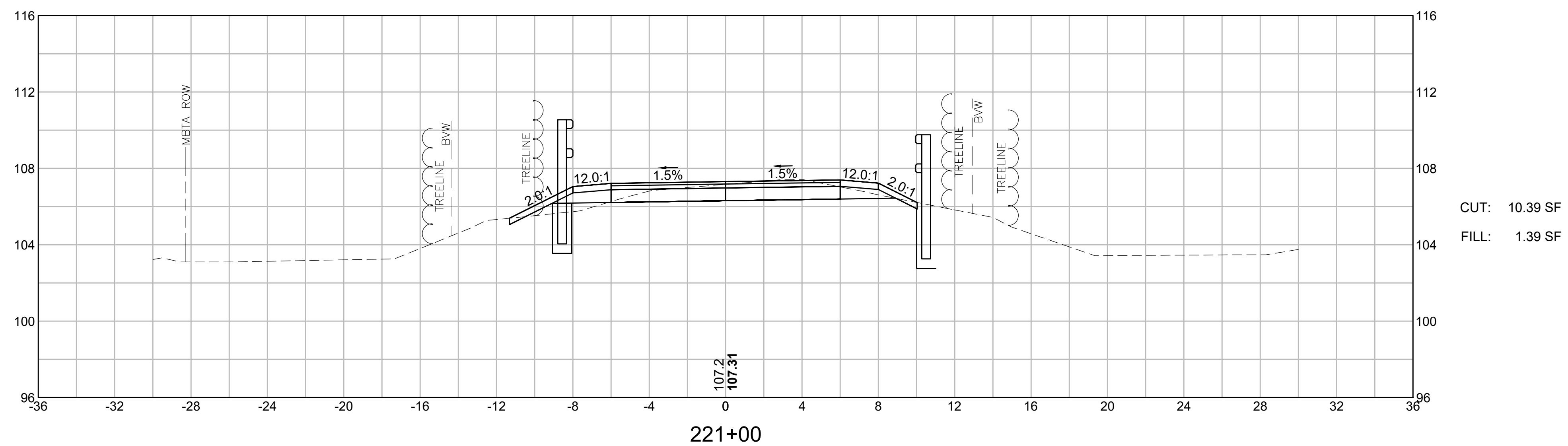
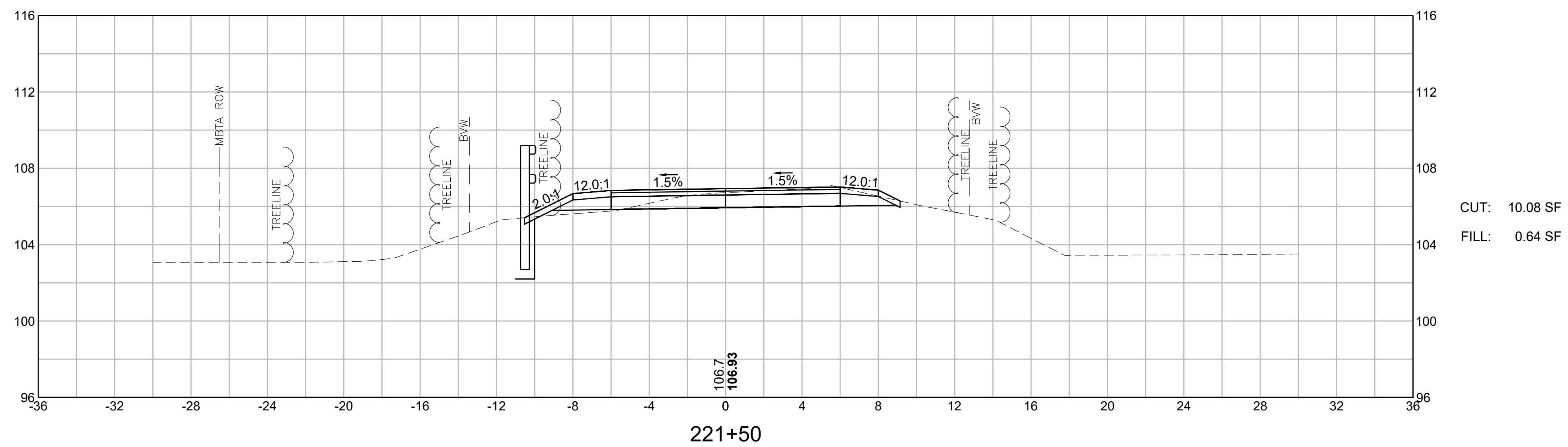
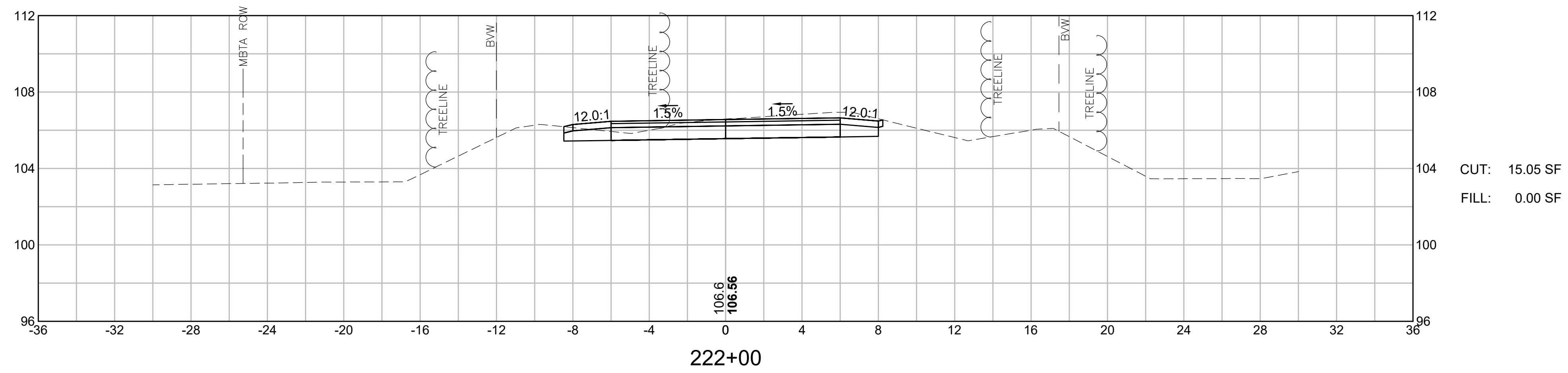


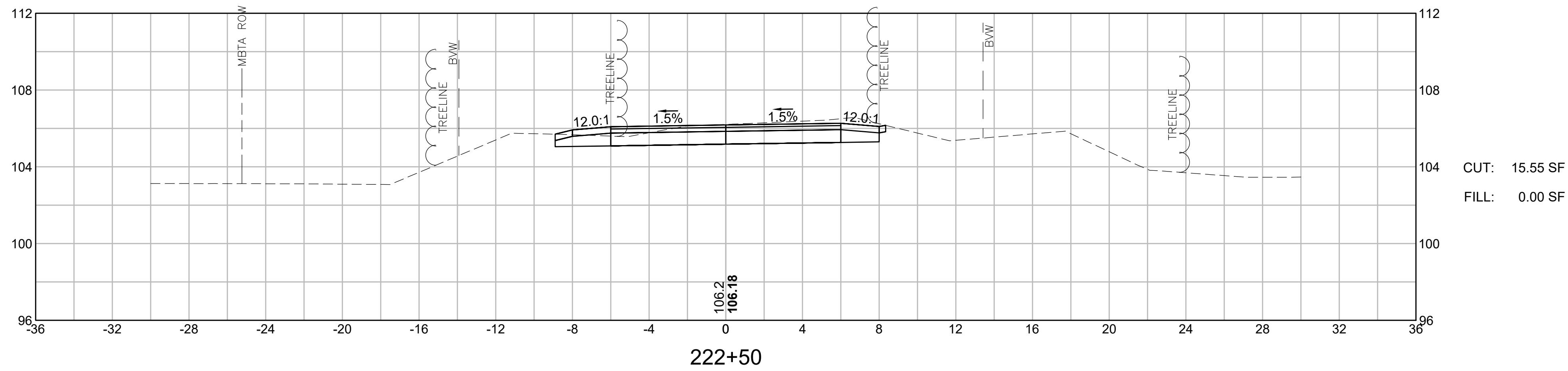
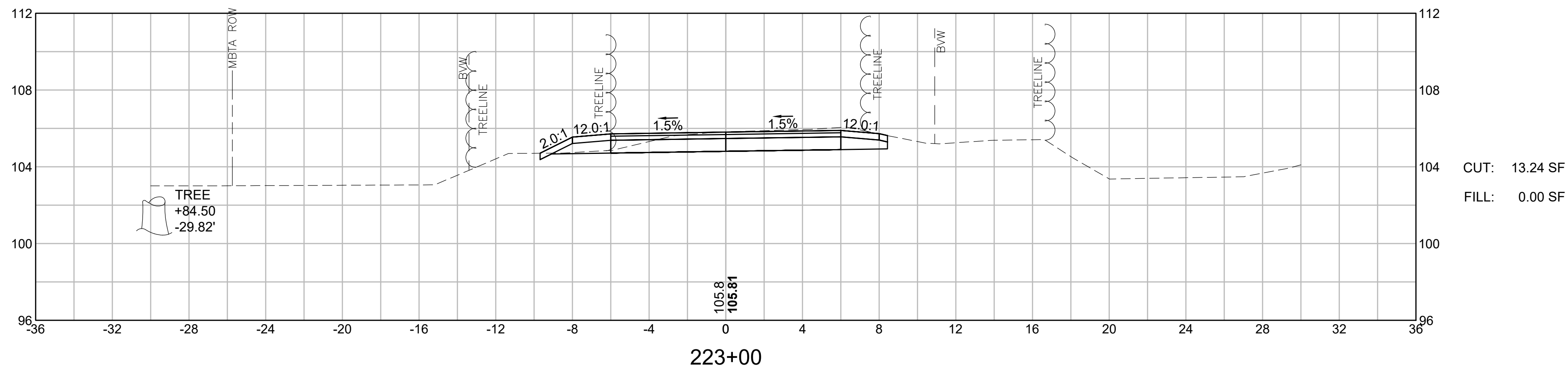
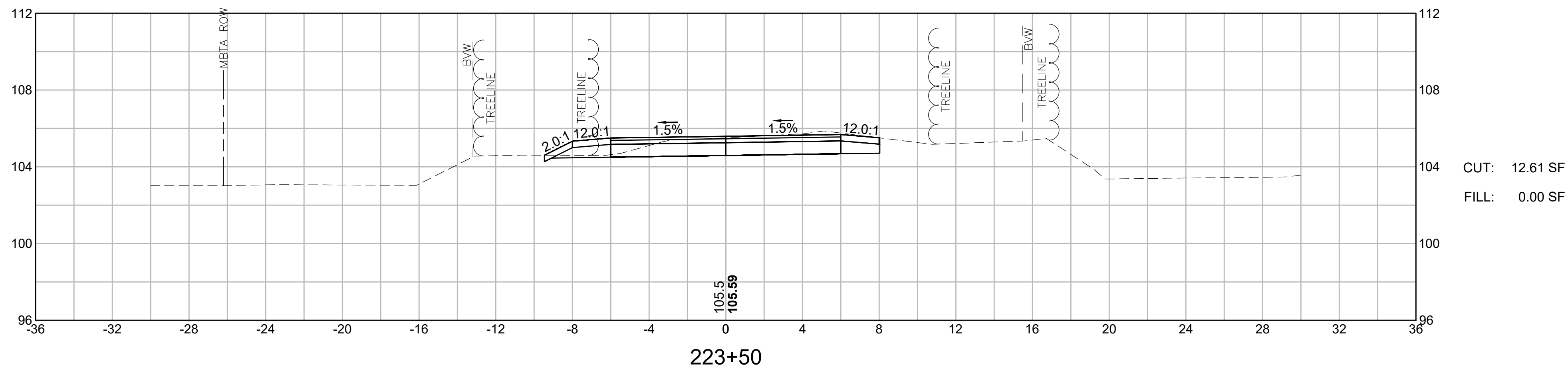
LYNNFIELD
RAIL TRAIL CONSTRUCTION

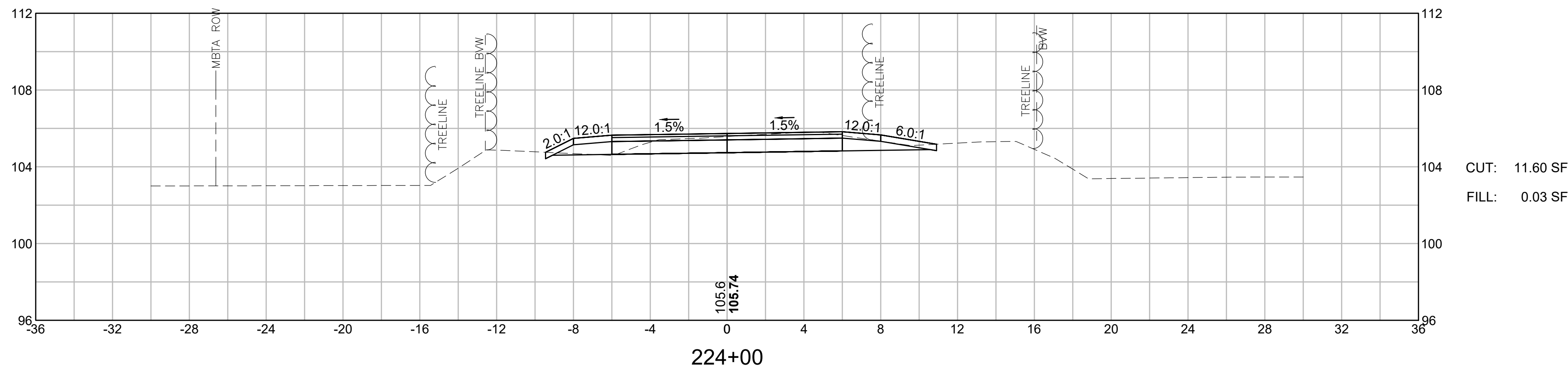
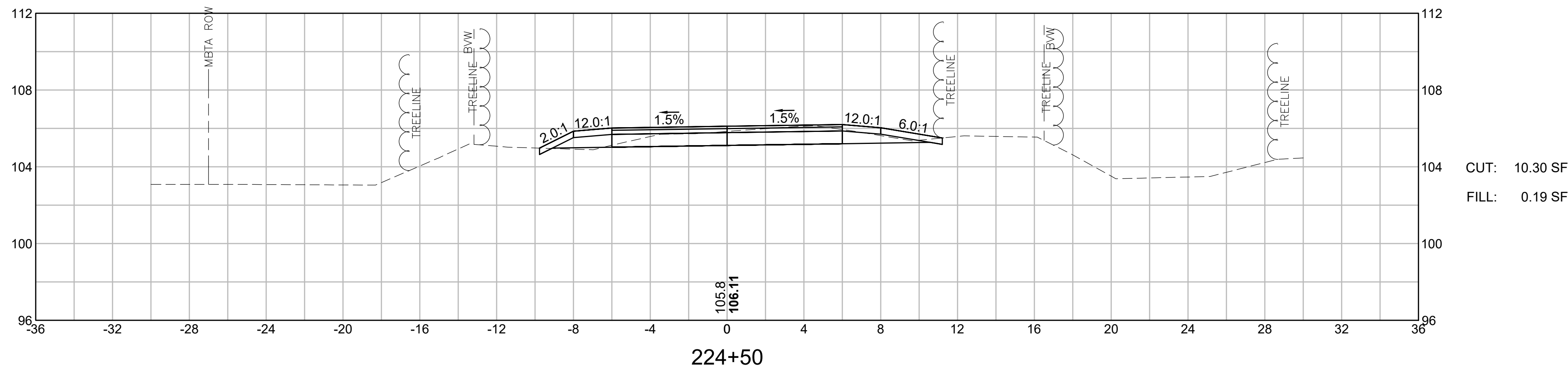
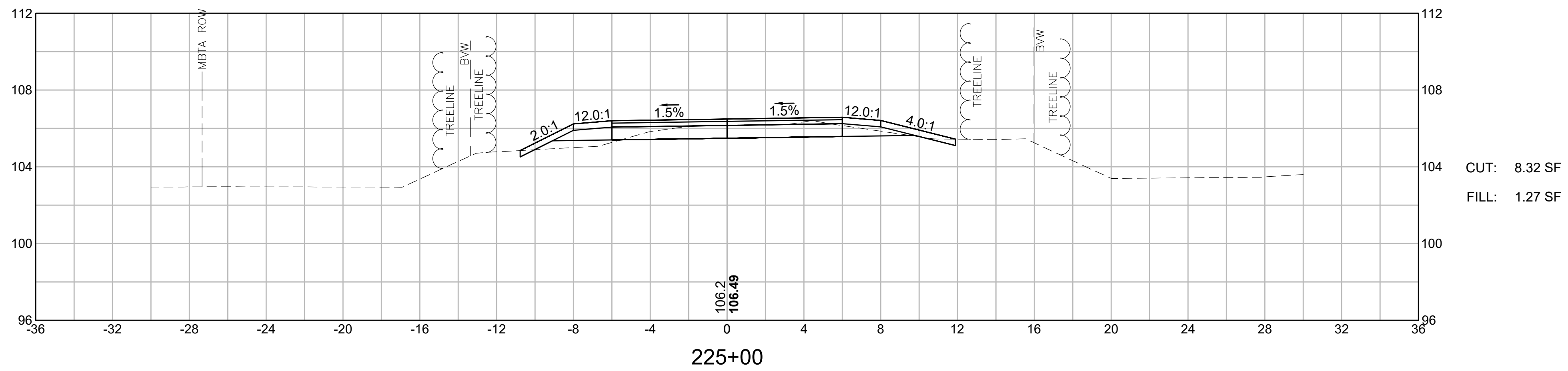
STATE	FED. AID PROJ. NO.	SHEET NO.	TOTAL SHEETS
MA	STP-0034(033)X	123	128

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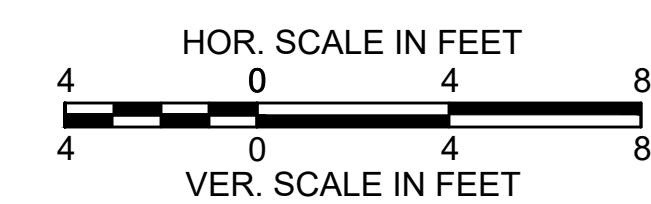
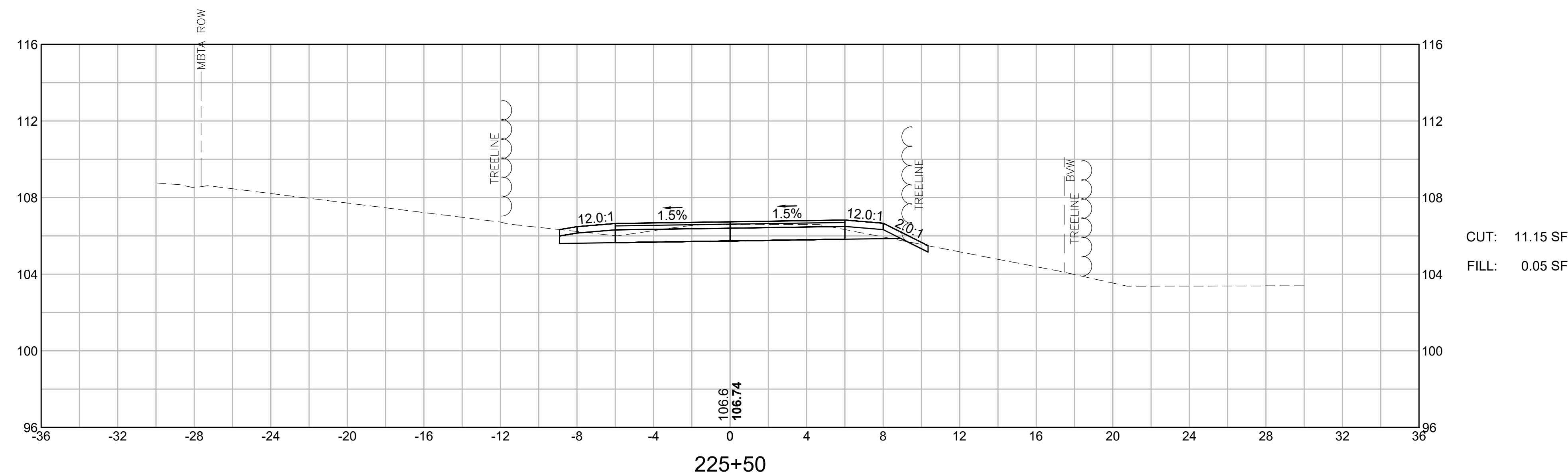
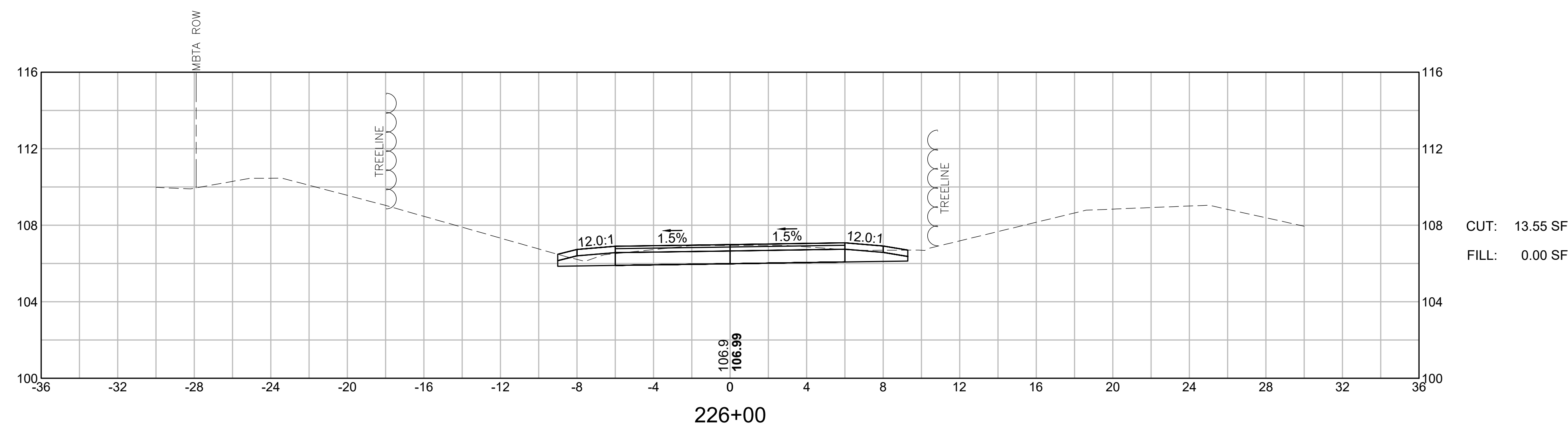
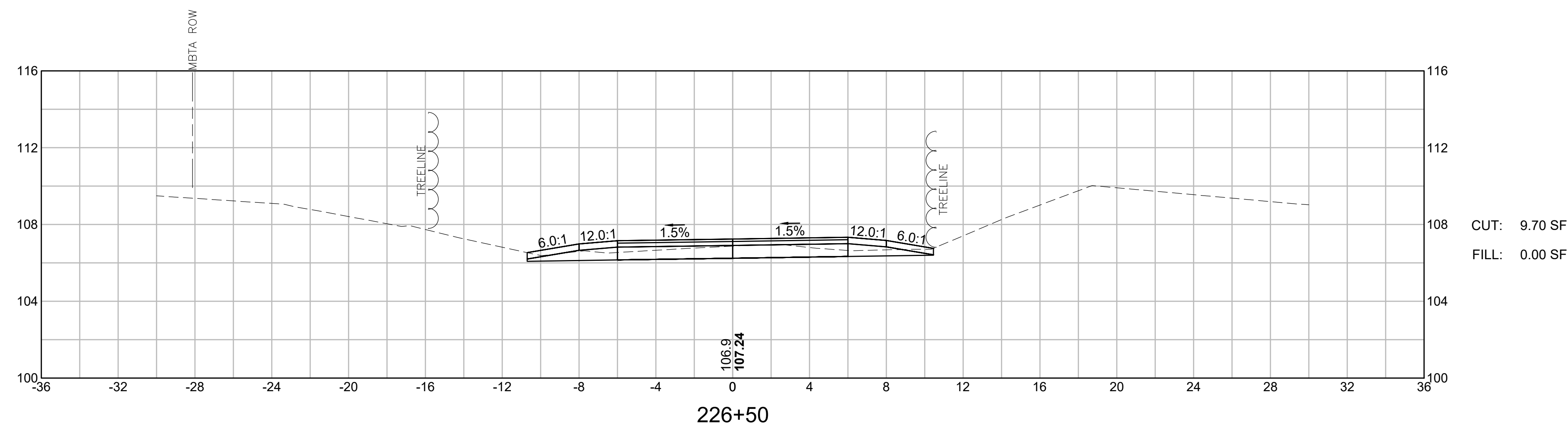


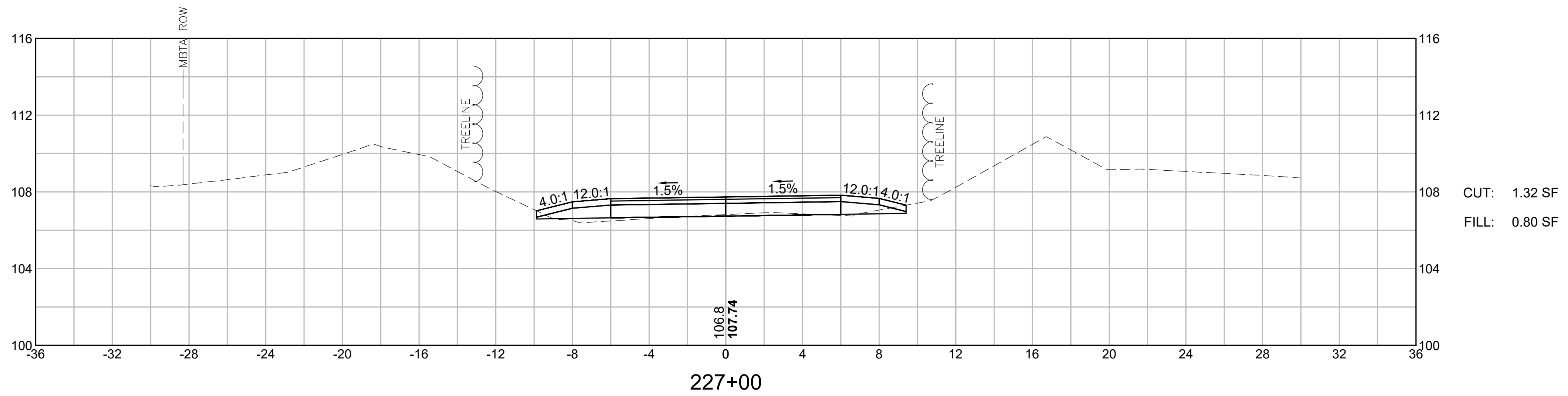
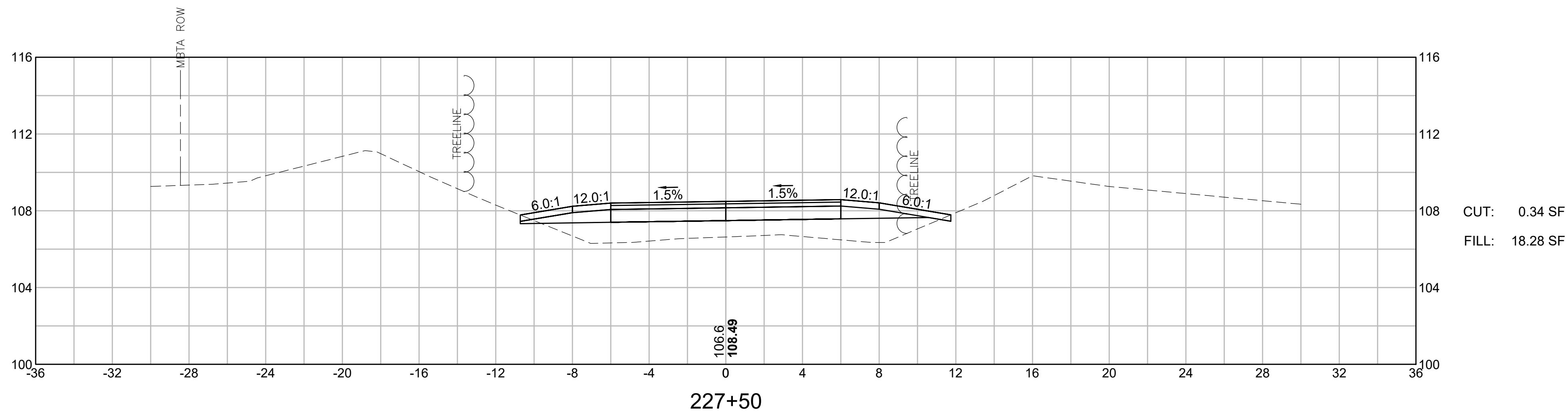
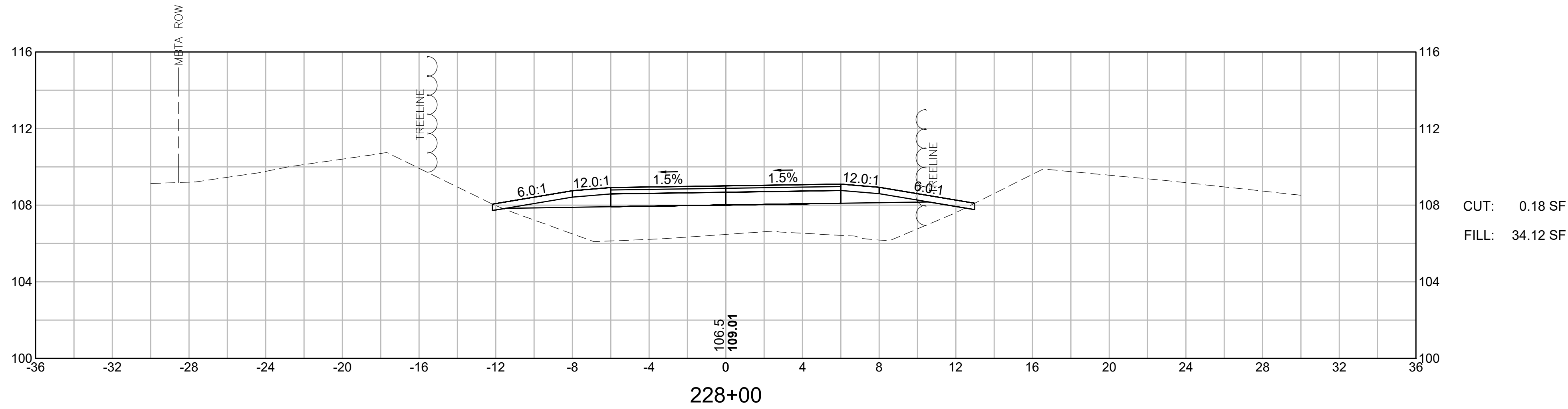




STATE	FED. AID PROJ. NO.	SHEET NO.	TOTAL SHEETS
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