GENERAL LEGEND

EXISTING	PROPOSED	
CB	CB	CATCH BASIN
CBCI	CBCI	CATCH BASIN WITH CURB INLET
		CURB (OR BERM)
		EDGE OF PAVEMENT
EMH	EMH	ELECTRIC MANHOLE
SMH	SMH	SEWER MANHOLE
DMH	DMH	DRAINAGE MANHOLE
GG	GG	GAS GATE
WG	WG	WATER GATE
HYD	HYD	HYDRANT
FA	FA	FIRE ALARM BOX
		STREET LIGHT
		GUY POLE
		BOUND
		HIGHWAY GUARD
		CHAIN LINK FENCE
		RIGHT OF WAY LINE (APPROX.)
		TREE
D		DRAIN PIPE
S		SEWER MAIN
G		GAS MAIN
W		WATER MAIN
E		ELECTRIC DUCT
(25.00)	25.00	ELEVATION
(25.00)	25.00	TOP OF CURB
(24.50)	24.50	BOTTOM OF CURB
		SIGN POST
	6"R	6" CURB REVEAL
		LIMIT OF GRADING
		TREE LINE
113.70 X	+ 114.50	SPOT ELEVATION
		STONE BALANCE WALL

TRAFFIC LEGEND

EXISTING	PROPOSED	
		DIRECTION OF FLOW
		TRAFFIC SIGN AND POST
	ONLY CW	PAVEMENT ARROW AND LEGEND
		CROSSWALK, 2–12" WHITE
	SL	STOP LINE, 12" WHITE
	BWLL	BROKEN WHITE LANE LINE – 4"
	SWLL	SOLID WHITE LANE LINE – 4"
	SYCHL	SOLID YELLOW CHANNELIZING LINE – 8"
	SWCHL	SOLID WHITE CHANNELIZING LINE – 8"
	BYCL	BROKEN YELLOW CENTERLINE – 4"
	DYCL	DOUBLE YELLOW CENTERLINE – 4"
	SYBL	SOLID YELLOW BARRIER LINE – 4"
	SWBL	SOLID WHITE BARRIER LINE – 4"
	SYEL	SOLID YELLOW EDGE LINE – 4"
	SWEL	SOLID WHITE EDGE LINE – 4"
	SYL	SOLID YELLOW LINE – 4"
		CONTROL CABINET GROUND MOUNTED
	25' MA	SIGNAL POST & BASE
		MAST ARM, SHAFT & BASE
		VEHICULAR SIGNAL HEAD
		PEDESTRIAN SIGNAL HEAD
		PULL BOX
		DETECTOR
		CONDUIT
X	X	"X" DUCT (CONC. ENCASED)

ALIGNMENT/GRADING

PI	POINT OF INTERSECTION
PC	POINT OF CURVE
PT	POINT OF TANGENT
PRC	POINT OF REVERSE CURVE
PCC	POINT OF COMPOUND CURVE
PVC	POINT OF VERTICAL CURVE
PVT	POINT OF VERTICAL TANGENT
PVRC	POINT OF VERTICAL REVERSE CURVE
PVCC	POINT OF VERTICAL COMPOUND CURVE
PVI	POINT OF VERTICAL INTERSECTION
ELEV	ELEVATION
CC	CENTER OF CURVE
PNT	POINT
PGL	PROFILE GRADE LINE
SSD	STOPPING SIGHT DISTANCE
PSD	PASSING SIGHT DISTANCE

UTILITIES

CIT	CHANGE IN TYPE
F&G	FRAME AND GRATE
F&C	FRAME AND COVER
RCP	REINFORCED CONCRETE PIPE
VCP	VITRIFIED CLAY PIPE
PVC	POLYVINYLCHLORIDE PIPE
ACCMP	ASPHALT COATED CORRUGATED METAL PIPE
CIP	CAST IRON PIPE
DIP	DUCTILE IRON PIPE
HYD	HYDRANT
CAP	CORRUGATED ALUMINUM PIPE
INV	INVERT ELEVATION
PWW	PAVED WATER WAY
UP	UTILITY POLE
LP	LIGHT POLE
TSV & B	TAPPING SLEEVE, VALVE AND BOX
COND	CONDUIT

GENERAL

PROP	PROPOSED	NIC	NOT IN CONTRACT
MIN	MINIMUM	NTS	NOT TO SCALE
MAX	MAXIMUM	TYP	TYPICAL
RET	RETAIN	APPROX	APPROXIMATE
REM	REMOVE	NC	NORMAL CROWN
REMOD	REMODEL	CONST	CONSTRUCT
ABAN	ABANDON	BND	BOUND
ADJ	ADJUST	RECONST	RECONSTRUCT(ION)
EXIST	EXISTING	HMA	HOT MIX ASPHALT
R&R	REMOVE AND RESET	HDWL	HEADWALL
R&S	REMOVE AND STACK	PSB	PLANTABLE SOIL BORROW
R&D	REMOVE AND DISCARD	CEM	CEMENT
FND	FOUNDATION	CONC	CONCRETE
ELEV	ELEVATION	BSW	BACK OF SIDEWALK
BOS	BOTTOM OF SLOPE	TE	TERMINAL END
TOS	TOP OF SLOPE	WCR	WHEEL CHAIR RAMP
VGC	VERTICAL GRANITE CURB	PVM'T	PAVEMENT
SGE	SLOPED GRANITE EDGING	GRAN	GRANITE
CC	CONCRETE CURB	EOP	EDGE OF PAVEMENT
HMHB	HOT MIX ASPHALT BERM		
HMAC	HOT MIX ASPHALT CURB		

SURVEY NOTES

1. SURVEY PERFORMED BY THOMAS LAND SURVEYORS & ENGINEERING CONSULTANTS, INC., MARCH 23, 2006.
2. EXISTING UTILITY LINES SHOWN ON THIS DRAWING ARE FROM AVAILABLE INFORMATION AND ARE APPROXIMATE LOCATIONS. THERE MAY BE EXISTING LINES OTHER THAN THOSE INDICATED. LOCATION OF ALL UTILITIES AND SUBSURFACE STRUCTURES ARE FROM SURVEY AND RECORDS OF THE TOWN OR PRIVATE UTILITY COMPANIES AND ARE CONSIDERED APPROXIMATE BOTH AS TO SIZE AND LOCATION, AND ARE INDICATED ON THESE DRAWINGS TO GIVE BIDDERS A GENERAL IDEA OF EXISTING CONDITIONS TO BE INVESTIGATED BY THE BIDDER. IT IS UNDERSTOOD AND AGREED THAT EACH BIDDER WILL NOT RELY UPON THESE DRAWINGS FOR SUCH INFORMATION, BUT THAT EACH BIDDER SHALL MAKE EXAMINATIONS IN THE FIELD BY VARIOUS AVAILABLE RECORDS, UTILITY CORPORATIONS AND INDIVIDUALS AS TO THE LOCATION OF ALL SUBSURFACE STRUCTURES.
3. HORIZONTAL CONTROL IS BASED UPON THE NORTH AMERICAN DATUM OF 1983, (NAD–83–96), MASSACHUSETTS STATE PLANE COORDINATE SYSTEM MAINLAND ZONE.
4. VERTICAL CONTROL IS BASED UPON THE NGVD OF 1929. THE PROPERTY LINES SHOWN HEREON ARE APPROXIMATE ONLY AND ARE BASED UPON ASSESSORS INFORMATION SUPPLIED FOR THIS PROJECT. ALL DISTANCES, ELEVATIONS AND DIMENSIONS SHOWN HEREON ARE BASED UPON ENGLISH UNITS.

GENERAL NOTES

1. PEDESTRIAN AND VEHICLE ACCESS TO ABUTTING PREMISES MUST BE MAINTAINED IN A SAFE CONDITION AT ALL TIMES.
2. GRANITE CURBING IS TO BE SET WITH A 6 INCH REVEAL AFTER FINAL PAVING. IN SOME LOCATIONS CONTROL GRADES ARE INDICATED ON THE PLANS. THE CONTRACTOR SHALL BE REQUIRED TO MEET WITH THESE GRADES WHILE PROVIDING A SMOOTH VERTICAL TRANSITION BETWEEN CONTROL ELEVATIONS.
3. EXISTING PAVEMENTS AND/OR SIDEWALKS SHALL BE SAW CUT WHERE THEY MEET PROPOSED SURFACE TREATMENTS. SAW CUTS SHALL BE SMOOTH AND STRAIGHT. WHERE NEW BITUMINOUS CONCRETE MEETS EXISTING BITUMINOUS CONCRETE SURFACES, SAW CUT EDGES ARE TO BE SEALED WITH BITUMEN AND BACKSANDED.
4. AREAS OUTSIDE THE LIMITS OF WORK DISTURBED BY THE CONTRACTOR DURING CONSTRUCTION SHALL BE RESTORED TO THEIR ORIGINAL CONDITION AT THE EXPENSE OF THE CONTRACTOR.
5. ALL MUNICIPALLY OWNED UTILITY STRUCTURES INCLUDING MANHOLES, CATCH BASINS, AND GATE BOXES SHALL BE ADJUSTED OR REMODELED TO FINISHED GRADE BY THE CONTRACTOR. ALL PRIVATELY OWNED UTILITY STRUCTURES SHALL BE ADJUSTED OR REMODELED BY THE OWNER.
6. LIMITS OF WORK HAVE BEEN SET ON THE PLANS, HOWEVER, THESE MAY BE EXTENDED OR REDUCED AT THE DISCRETION OF THE ENGINEER TO MEET WITH FIELD CONDITIONS.
7. AT ALL POSTS AND POLES, PROPOSED CEMENT CONCRETE SIDEWALK SHALL BE BOXED AND PROVIDED WITH EXPANSION JOINT FILLER. ALSO, EXPANSION JOINT FILLER SHALL BE USED AT ALL BACK OF SIDEWALK LOCATIONS WHERE LOCATIONS MEET EXISTING BUILDINGS, WALLS OR OTHER STRUCTURES AND AS OTHERWISE DIRECTED BY THE ENGINEER.
8. ALL PROPOSED GRANITE CURB SHALL BE TYPE VB OR EXISTING CURB, REMOVED AND RESET, UNLESS OTHERWISE NOTED.
9. ALL EXISTING SURFACES, i.e. CEMENT CONCRETE, BITUMINOUS CONCRETE PAVEMENT, BRICK, ETC., SHALL BE COMPLETELY REMOVED FROM AREAS OF PROPOSED WORK INCLUDING PROPOSED PLANTING AREAS.
10. THE CONTRACTOR SHALL COORDINATE AND BE RESPONSIBLE FOR ALL SAFETY SIGNING, BARRIERS AND TEMPORARY PAVEMENT MARKINGS NECESSARY TO PROVIDE A SMOOTH AND PROPER TRANSITION FOR TRAFFIC FLOW.
11. IF REQUIRED BY THE CONTRACTOR, OVERHEAD LINES SHALL BE RELOCATED BY THE UTILITY COMPANY AT THE CONTRACTOR'S EXPENSE. CONTRACTOR MADE AWARE THAT EXISTING UTILITY POLES ON PLANS HAVE BEEN RELOCATED BY THEIR RESPECTIVE UTILITY COMPANIES.
12. THE CONTRACTOR SHALL FIELD CHECK ALL DIMENSIONS, AND ELEVATIONS BEFORE PROCEEDING WITH NEW WORK. THE CONTRACTOR SHALL EXCAVATE TO VERIFY PERTINENT DRAINAGE INVERTS AND POTENTIAL UTILITY CONFLICTS. ANY DISCREPANCIES OR CONFLICTS SHALL BE REPORTED TO THE ENGINEER IMMEDIATELY.
13. ALL CURB TIES WHICH ARE NOTED BY A STATION ARE FROM THE CONSTRUCTION BASELINE.
14. CURB CORNERS AT DRIVEWAYS SHALL BE GRANITE CURB CORNER, TYPE B, UNLESS NOTED OTHERWISE.
15. LOCATIONS OF PROPOSED SIGNS, TREES, ETC. ARE APPROXIMATE ONLY; THE EXACT LOCATION SHALL BE DETERMINED BY THE ENGINEER IN THE FIELD.
16. ALL CEMENT CONCRETE SUBBASE SURFACES SHALL BE TREATED WITH A BITUMEN TACK COAT PRIOR TO THE APPLICATION OF A BITUMINOUS CONCRETE MATERIAL.

SIGN LEGEND

STOP	R1–1 (18")
	W11–1
NO MOTOR VEHICLES	R5–3
BIKE ROUTE	D11–1
USE PED SIGNAL	R9–5

2'–0" × 2'–0"

MARLBOROUGH • HUDSON • STOW • MAYNARD • ACTON

AR RT

TRAIL LOGO SIGN
SP–1

NOTE:
- SIGN PANEL TO BE GREEN
- TEXT, GRAPHICS, AND BORDER TO BE WHITE
- SHOP DRAWING TO BE SUBMITTED FOR REVIEW PRIOR TO ORDERING

MAYNARD–ACTON
ASSABET RIVER RAIL TRAIL

STATE	FED. AID PROJ. NO.	SHEET NO.	TOTAL SHEETS
MASS.		2	22
PROJECT FILE NO. 604531			

LEGEND & GENERAL NOTES

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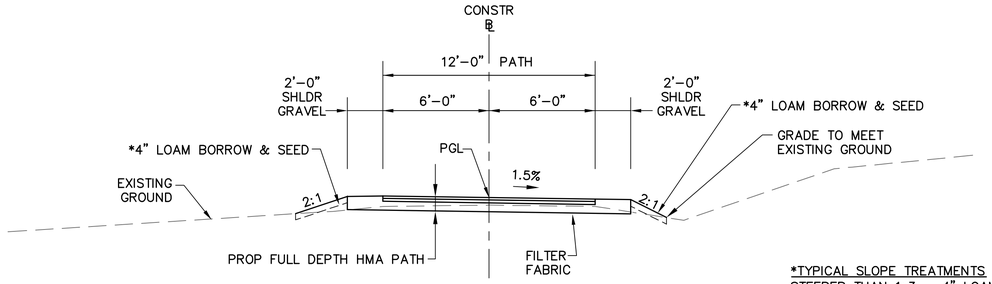
MAYNARD–ACTON
ASSABET RIVER RAIL TRAIL

STATE	FED. AID PROJ. NO.	SHEET NO.	TOTAL SHEETS
MASS.		3	22
PROJECT FILE NO. 604531			

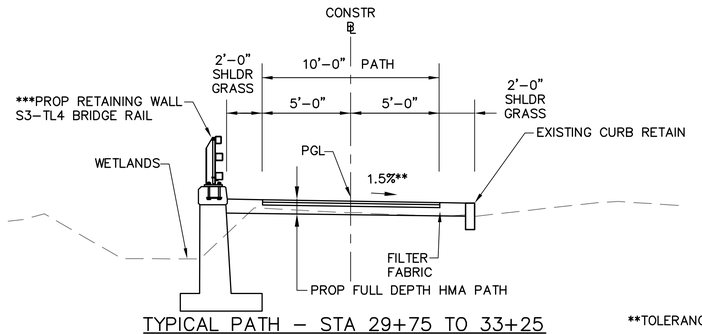
TYPICAL SECTIONS



TYPICAL PATH – STA 0+25 TO 29+75
TYPICAL PATH – STA 34+70 TO 45+20
TYPICAL PATH – STA 76+10 TO 86+70
TYPICAL PATH – STA 87+05 TO 89+15
TYPICAL PATH – STA 89+60 TO 115+60
TYPICAL PATH – STA 116+10 TO 131+50
TYPICAL PATH – STA 140+55 TO 169+50
TYPICAL PATH – STA 170+20 TO 180+60
FULL DEPTH PAVEMENT

NTS

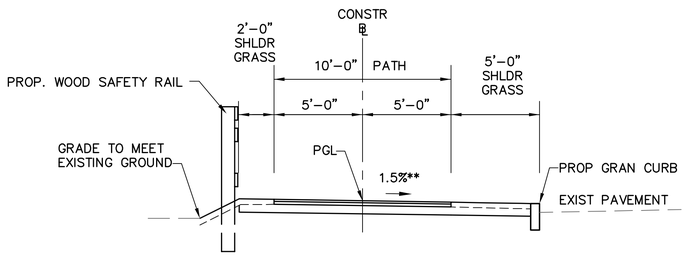
*TYPICAL SLOPE TREATMENTS
STEEPER THAN 1:3 – 4" LOAM BORROW & SEED W/HAY MULCH FOR EROSION CONTROL
1:1 RIP–RAP SLOPE AT THE FOLLOWING STATIONS:
STA 17+50 TO 18+25 LT



TYPICAL PATH – STA 29+75 TO 33+25
FULL DEPTH PAVEMENT

NTS

**TOLERANCE FOR CONSTRUCTION ±0.5%



TYPICAL PATH – STA 45+85 TO 49+70
FULL DEPTH PAVEMENT

NTS

**TOLERANCE FOR CONSTRUCTION ±0.5%

HOT MIX ASPHALT BIKE PATH

SURFACE COURSE: 4" HOT MIX ASPHALT PLACED IN TWO LAYERS, 2" MODIFIED TOP COURSE MATERIAL OVER 2" DENSE BINDER COURSE MATERIAL.

SUBBASE: 12" GRAVEL BORROW TYPE B OVER FILTER FABRIC

HOT MIX ASPHALT DRIVEWAY

SURFACE COURSE: 3–1/2" HOT MIX ASPHALT PLACED IN TWO LAYERS, 1–3/4" MODIFIED TOP COURSE MATERIAL OVER 1–3/4" DENSE BINDER COURSE MATERIAL

SUBBASE: 8" GRAVEL BORROW TYPE B

CEMENT CONCRETE SIDEWALK

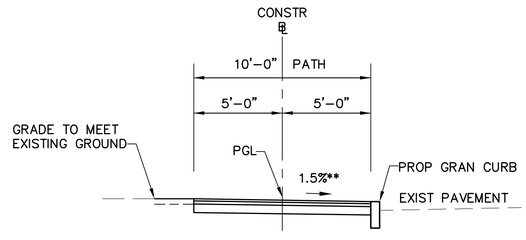
SURFACE COURSE: 4" CEMENT CONCRETE

SUBBASE: 8" GRAVEL BORROW TYPE B

CEMENT CONCRETE SIDEWALK @ DRIVEWAYS

SURFACE COURSE: 6" CEMENT CONCRETE

SUBBASE: 8" GRAVEL BORROW TYPE B



TYPICAL PATH – STA 49+85 TO 50+65
FULL DEPTH PAVEMENT

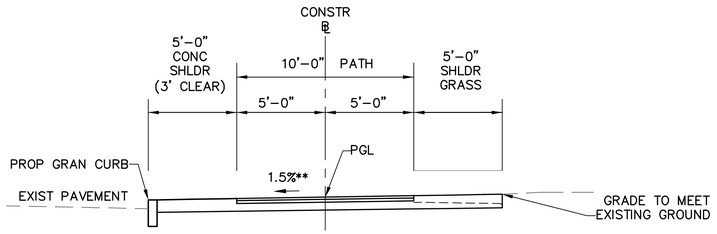
NTS

**TOLERANCE FOR CONSTRUCTION ±0.5%

MAYNARD–ACTON
ASSABET RIVER RAIL TRAIL

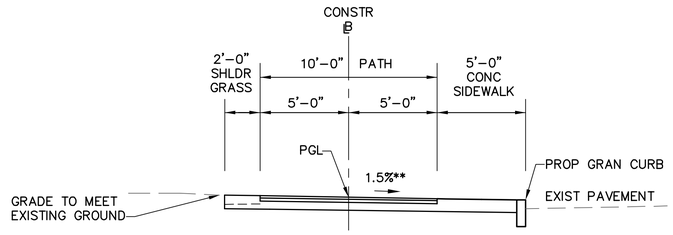
STATE	FED. AID PROJ. NO.	SHEET NO.	TOTAL SHEETS
MASS.		4	22
PROJECT FILE NO. 604531			

TYPICAL SECTIONS



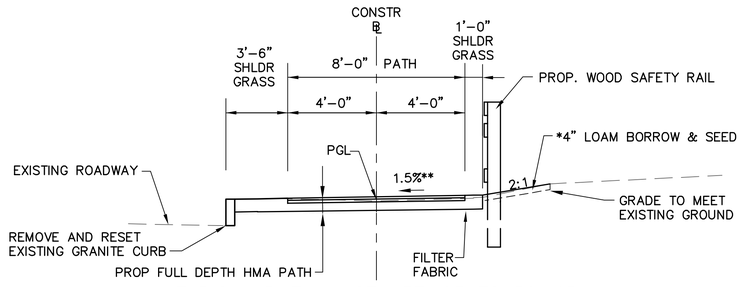
TYPICAL PATH – STA 51+60 TO 57+10
FULL DEPTH PAVEMENT
NTS

**TOLERANCE FOR CONSTRUCTION ±0.5%



TYPICAL PATH – STA 63+60 TO 65+00
FULL DEPTH PAVEMENT
NTS

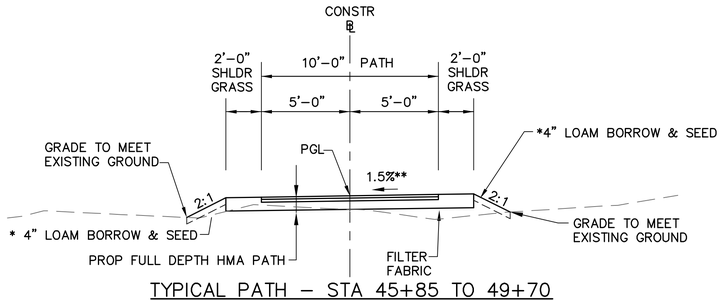
**TOLERANCE FOR CONSTRUCTION ±0.5%



*TYPICAL SLOPE TREATMENTS
STEEPER THAN 1:3 – 4" LOAM BORROW & SEED W/HAY MULCH FOR EROSION CONTROL

TYPICAL PATH – STA 57+65 TO 59+45
FULL DEPTH PAVEMENT
NTS

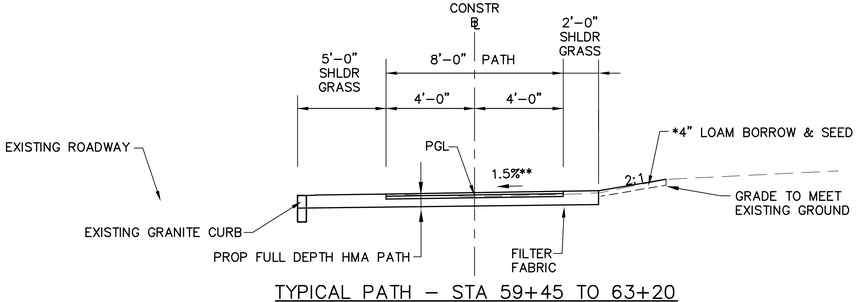
**TOLERANCE FOR CONSTRUCTION ±0.5%



*TYPICAL SLOPE TREATMENTS
STEEPER THAN 1:3 – 4" LOAM BORROW & SEED W/HAY MULCH FOR EROSION CONTROL

TYPICAL PATH – STA 45+85 TO 49+70
TYPICAL PATH – STA 65+00 TO 67+20
TYPICAL PATH – STA 132+15 TO 134+90
FULL DEPTH PAVEMENT
NTS

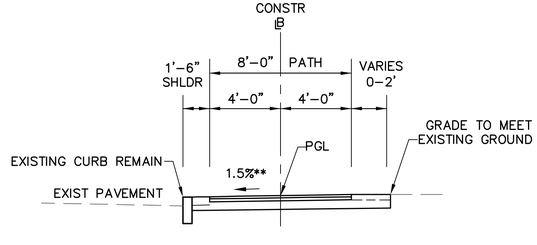
**TOLERANCE FOR CONSTRUCTION ±0.5%



*TYPICAL SLOPE TREATMENTS
STEEPER THAN 1:3 – 4" LOAM BORROW & SEED W/HAY MULCH FOR EROSION CONTROL

TYPICAL PATH – STA 59+45 TO 63+20
FULL DEPTH PAVEMENT
NTS

**TOLERANCE FOR CONSTRUCTION ±0.5%



TYPICAL PATH – STA 67+45 TO 68+60
FULL DEPTH PAVEMENT
NTS

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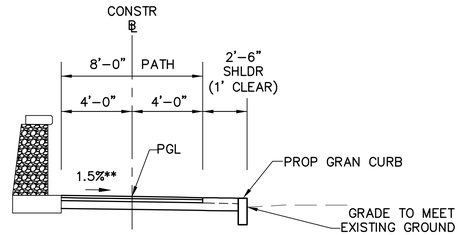
MAYNARD–ACTON
ASSABET RIVER RAIL TRAIL

STATE	FED. AID PROJ. NO.	SHEET NO.	TOTAL SHEETS
MASS.		4A	22
PROJECT FILE NO. 604531			

TYPICAL SECTIONS



TYPICAL PATH – STA 72+05 TO 75+70
FULL DEPTH PAVEMENT
NTS

*PROP WALL FROM STA 73+02 TO 75+70

**TOLERANCE FOR CONSTRUCTION ±0.5%

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STEEL W BEAM HIGHWAY GUARD
NONE

DRAINAGE DETAILS
SEE BELOW

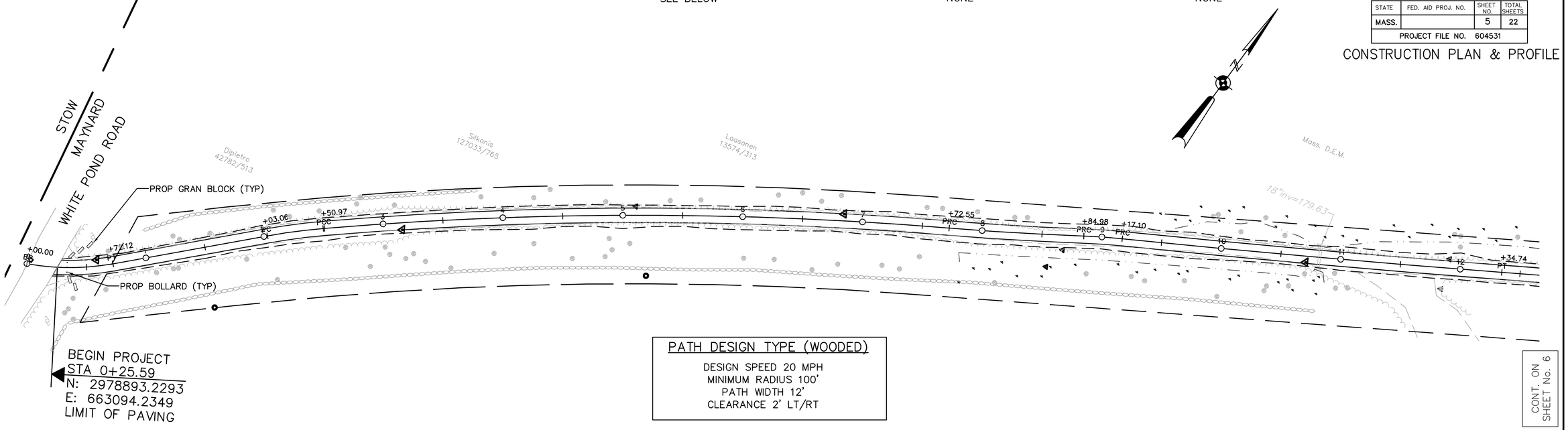
WATER SUPPLY ALTERATIONS
NONE

TRAFFIC SIGNAL CONDUIT
NONE

MAYNARD–ACTON
ASSABET RIVER RAIL TRAIL

STATE	FED. AID PROJ. NO.	SHEET NO.	TOTAL SHEETS
MASS.		5	22
PROJECT FILE NO. 604531			

CONSTRUCTION PLAN & PROFILE



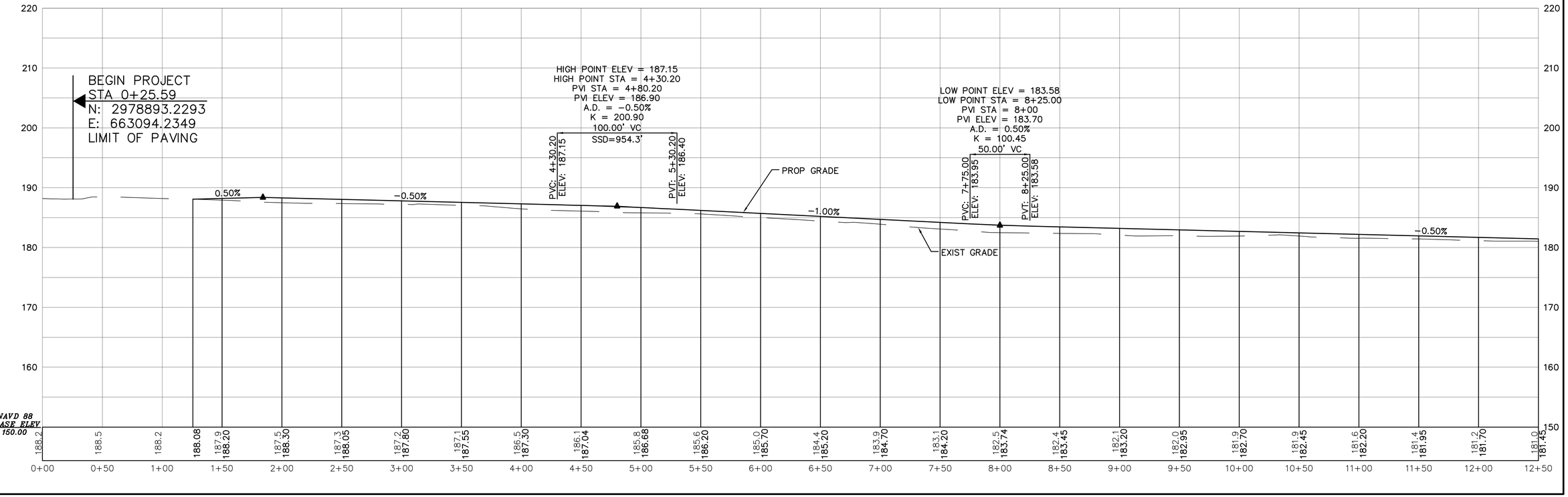
PATH DESIGN TYPE (WOODED)

DESIGN SPEED 20 MPH
MINIMUM RADIUS 100'
PATH WIDTH 12'
CLEARANCE 2' LT/RT

CONT. ON SHEET No. 6

HOR SCALE 1:40
40 0 40 80
8 0 8 16
VERT SCALE 1:8
SCALE IN FEET

FOR PROFILE SEE BELOW



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STEEL W BEAM HIGHWAY GUARD
NONE

DRAINAGE DETAILS
NONE

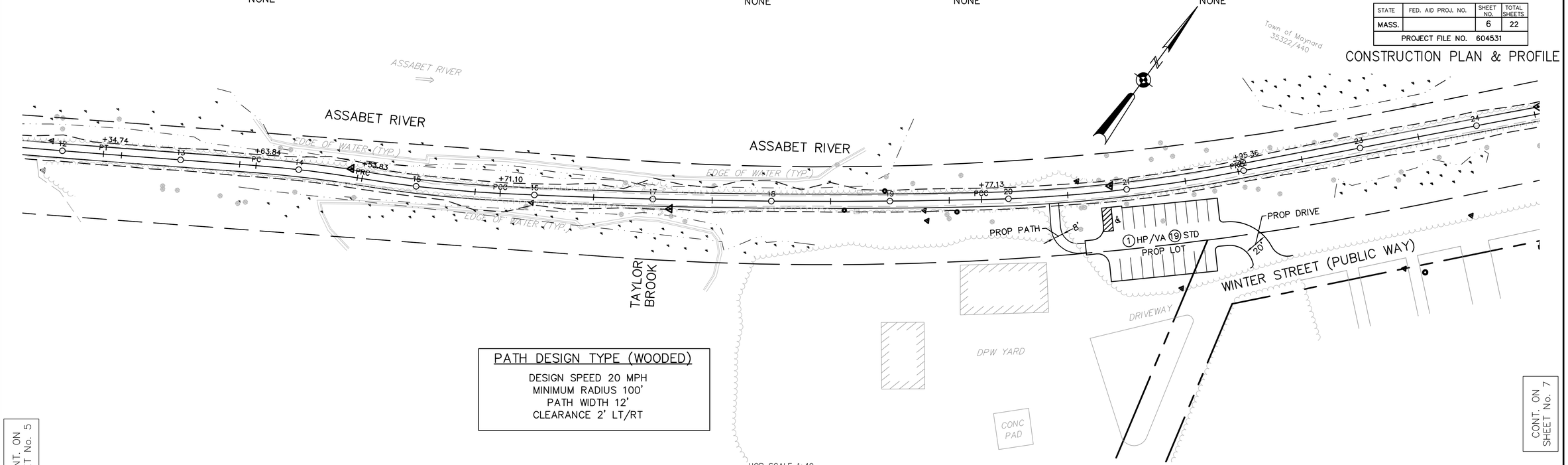
WATER SUPPLY ALTERATIONS
NONE

TRAFFIC SIGNAL CONDUIT
NONE

MAYNARD–ACTON
ASSABET RIVER RAIL TRAIL

STATE	FED. AID PROJ. NO.	SHEET NO.	TOTAL SHEETS
MASS.		6	22
PROJECT FILE NO. 604531			

CONSTRUCTION PLAN & PROFILE



PATH DESIGN TYPE (WOODED)
DESIGN SPEED 20 MPH
MINIMUM RADIUS 100'
PATH WIDTH 12'
CLEARANCE 2' LT/RT

HOR SCALE 1:40
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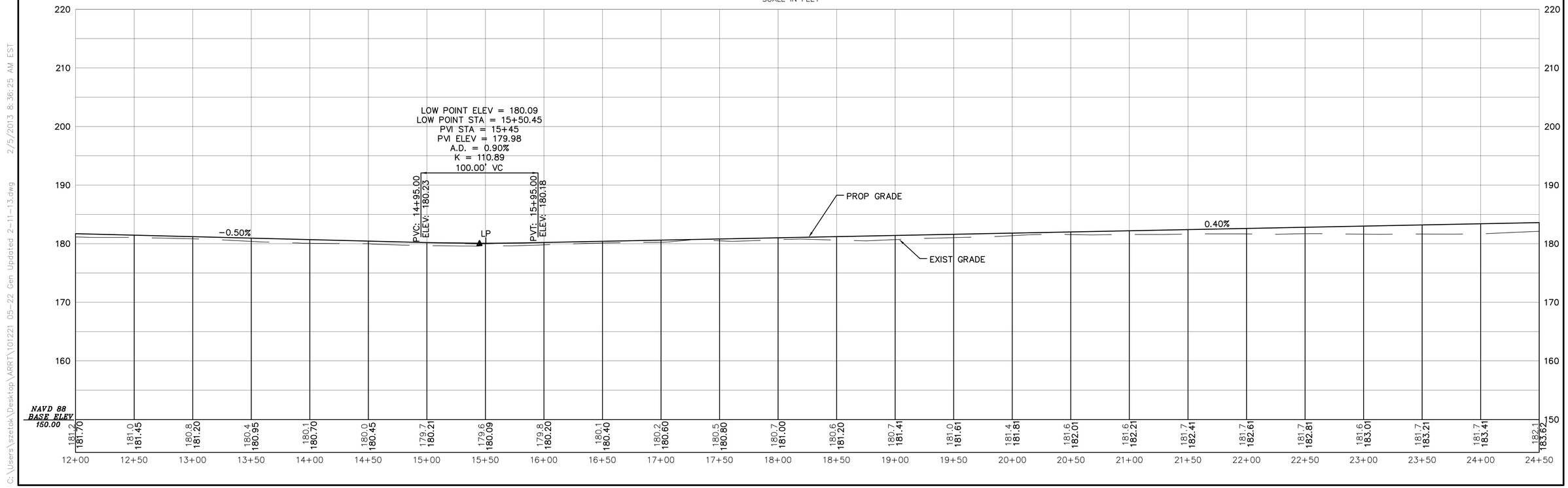
8 0 8 16
VERT SCALE 1:8
SCALE IN FEET

CONT. ON SHEET No. 5

CONT. ON SHEET No. 7

FOR PROFILE SEE BELOW



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STEEL W BEAM HIGHWAY GUARD

DRAINAGE DETAILS

NONE

WATER SUPPLY ALTERATIONS

NONE

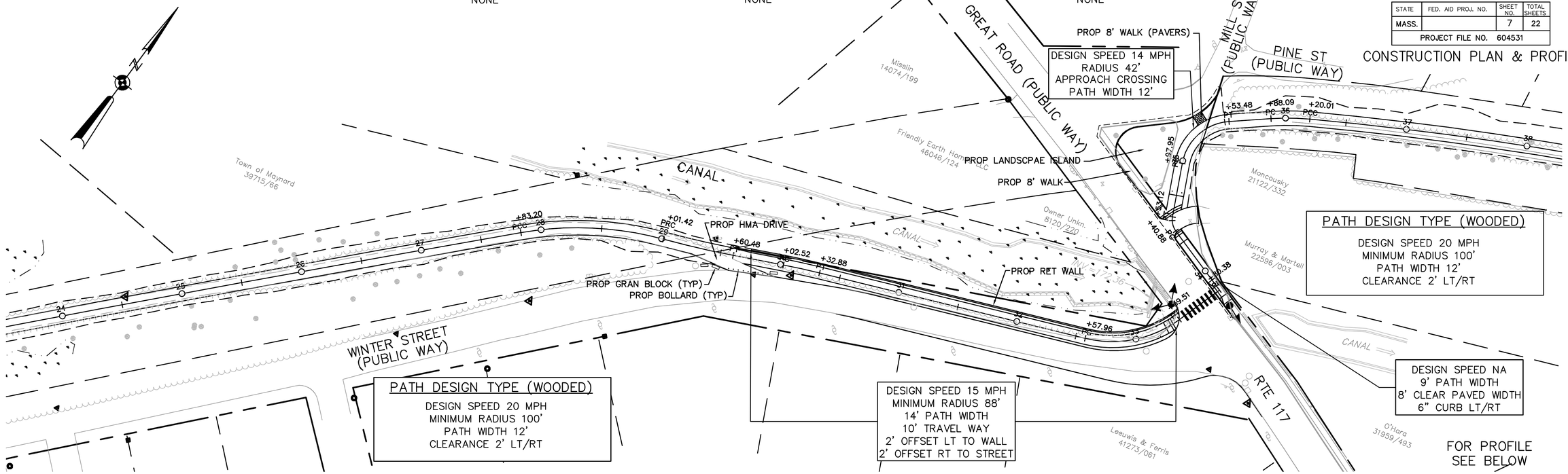
TRAFFIC SIGNAL CONDUIT

NONE

MAYNARD–ACTON
ASSABET RIVER RAIL TRAIL

STATE	FED. AID PROJ. NO.	SHEET NO.	TOTAL SHEETS
MASS.		7	22
PROJECT FILE NO. 604531			

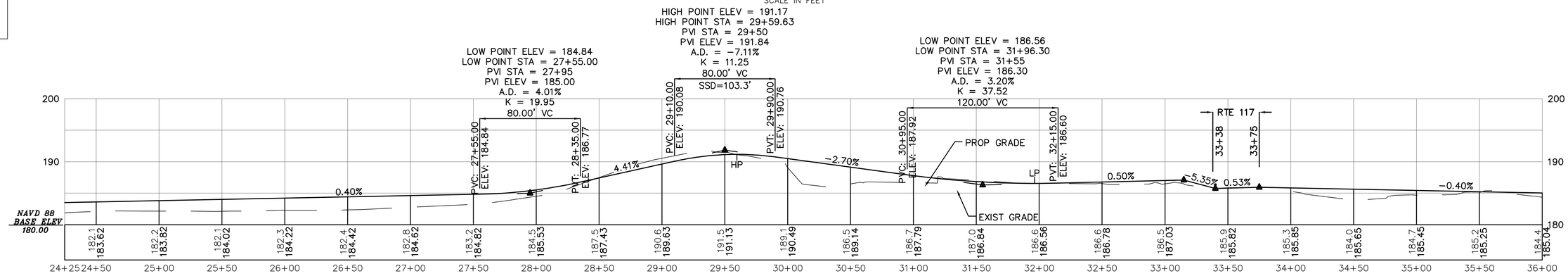
CONSTRUCTION PLAN & PROFILE

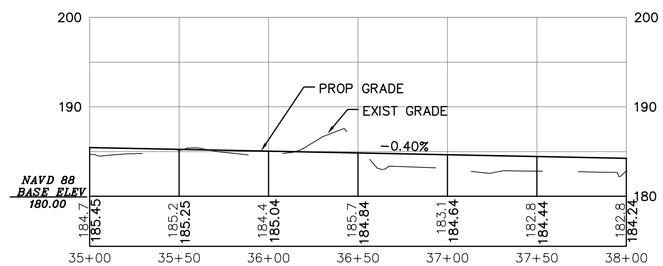


HOR SCALE 1:40
40 0 40 80
VERT SCALE 1:8
8 0 8 16
SCALE IN FEET

CONT. ON SHEET No. 6

CONT. ON SHEET No. 8





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STEEL W BEAM HIGHWAY GUARD
NONE

DRAINAGE DETAILS
NONE

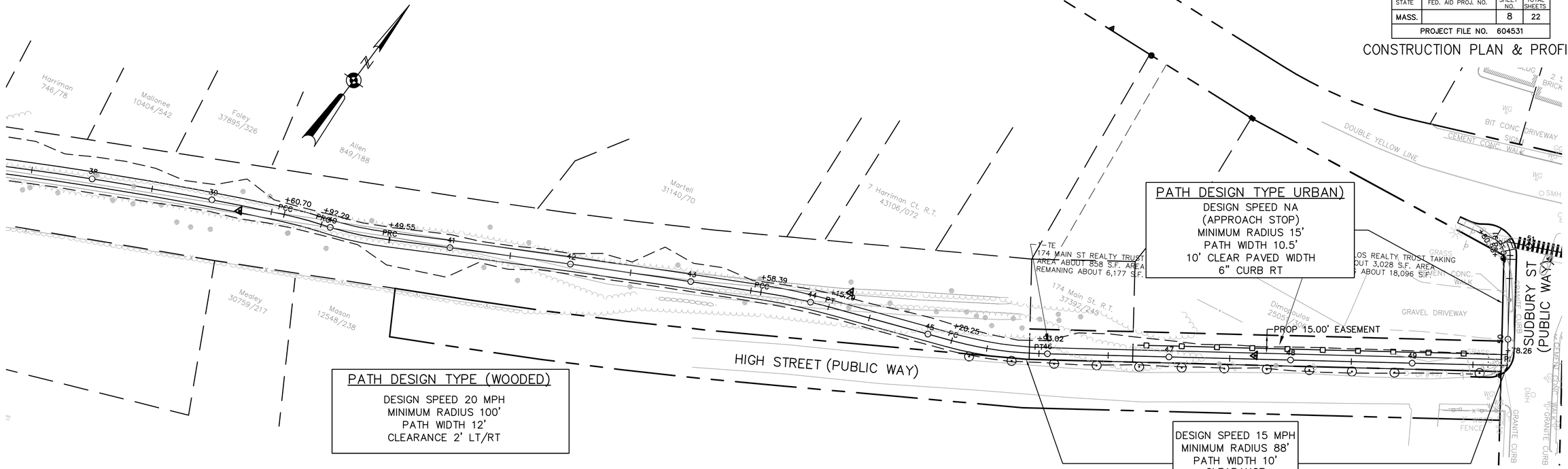
WATER SUPPLY ALTERATIONS
NONE

TRAFFIC SIGNAL CONDUIT
NONE

MAYNARD–ACTON
ASSABET RIVER RAIL TRAIL

STATE	FED. AID PROJ. NO.	SHEET NO.	TOTAL SHEETS
MASS.		8	22
PROJECT FILE NO. 604531			

CONSTRUCTION PLAN & PROFILE



PATH DESIGN TYPE (WOODED)
DESIGN SPEED 20 MPH
MINIMUM RADIUS 100'
PATH WIDTH 12'
CLEARANCE 2' LT/RT

PATH DESIGN TYPE URBAN)
DESIGN SPEED NA
(APPROACH STOP)
MINIMUM RADIUS 15'
PATH WIDTH 10.5'
10' CLEAR PAVED WIDTH
6" CURB RT

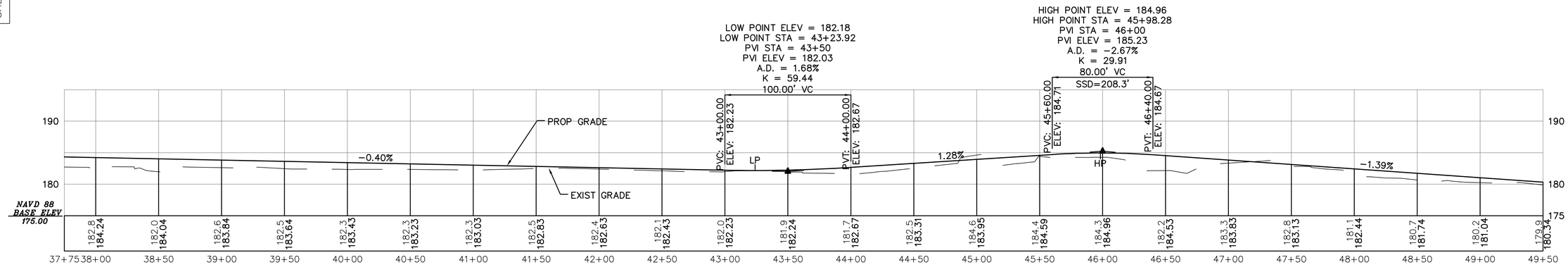
DESIGN SPEED 15 MPH
MINIMUM RADIUS 88'
PATH WIDTH 10'
CLEARANCE
2' LT TO FENCE
5' RT TO STREET

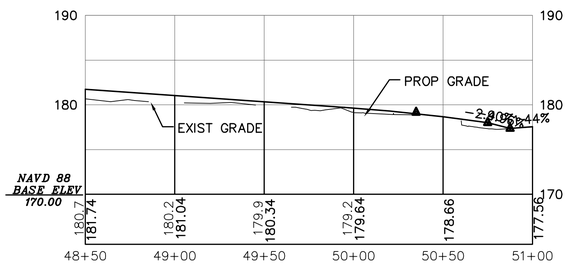
FOR PROFILE SEE BELOW

CONT. ON SHEET No. 7

CONT. ON SHEET No. 9

HOR SCALE 1:40
40 0 40 80
VERT SCALE 1:8
8 0 8 16
SCALE IN FEET





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STEEL W BEAM HIGHWAY GUARD
NONE

DRAINAGE DETAILS
NONE

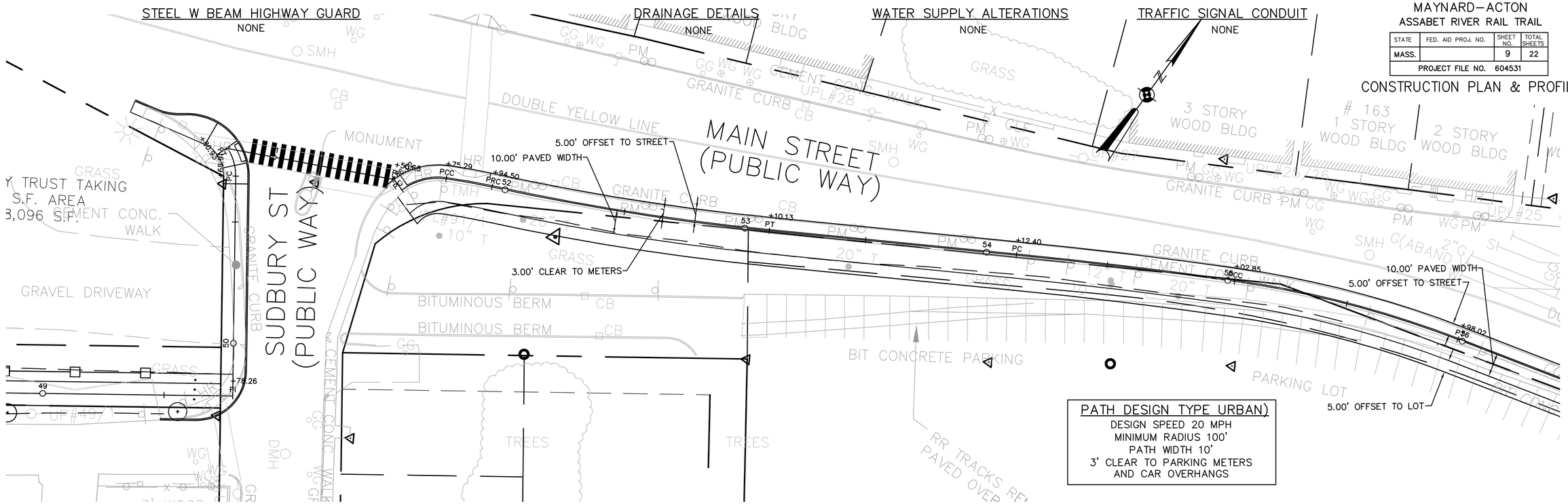
WATER SUPPLY ALTERATIONS
NONE

TRAFFIC SIGNAL CONDUIT
NONE

MAYNARD–ACTON
ASSABET RIVER RAIL TRAIL

STATE	FED. AID PROJ. NO.	SHEET NO.	TOTAL SHEETS
MASS.		9	22
PROJECT FILE NO. 604531			

CONSTRUCTION PLAN & PROFILE

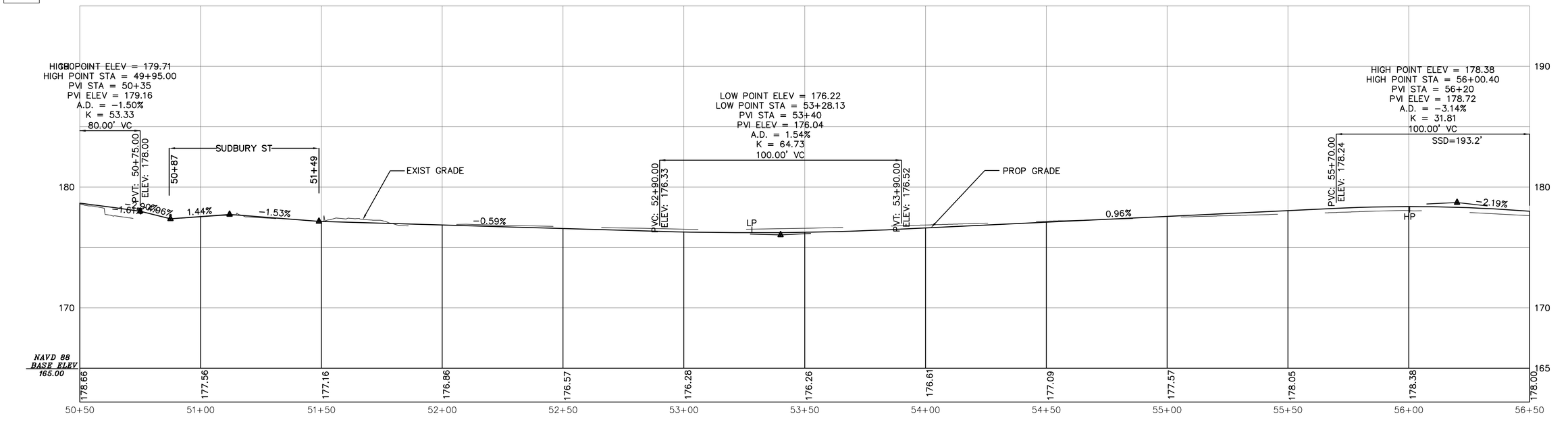


HOR SCALE 1:20
20 0 20 40
VERT SCALE 1:4
4 0 4 8
SCALE IN FEET

PATH DESIGN TYPE URBAN)
DESIGN SPEED 20 MPH
MINIMUM RADIUS 100'
PATH WIDTH 10'
3' CLEAR TO PARKING METERS
AND CAR OVERHANGS

CONT. ON SHEET No. 8

CONT. ON SHEET No. 10



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STEEL W BEAM HIGHWAY GUARD
NONE

DRAINAGE DETAILS
NONE

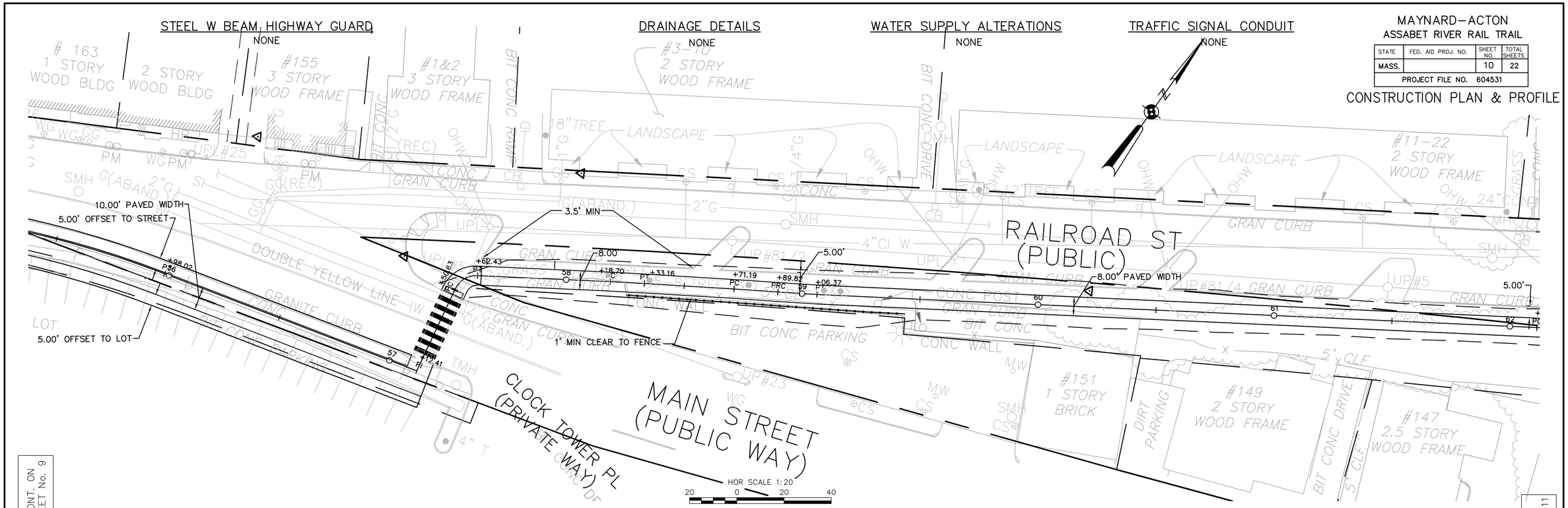
WATER SUPPLY ALTERATIONS
NONE

TRAFFIC SIGNAL CONDUIT
NONE

MAYNARD–ACTON
ASSABET RIVER RAIL TRAIL

STATE	FED. AID PROJ. NO.	SHEET NO.	TOTAL SHEETS
MASS.		10	22
PROJECT FILE NO. 604531			

CONSTRUCTION PLAN & PROFILE

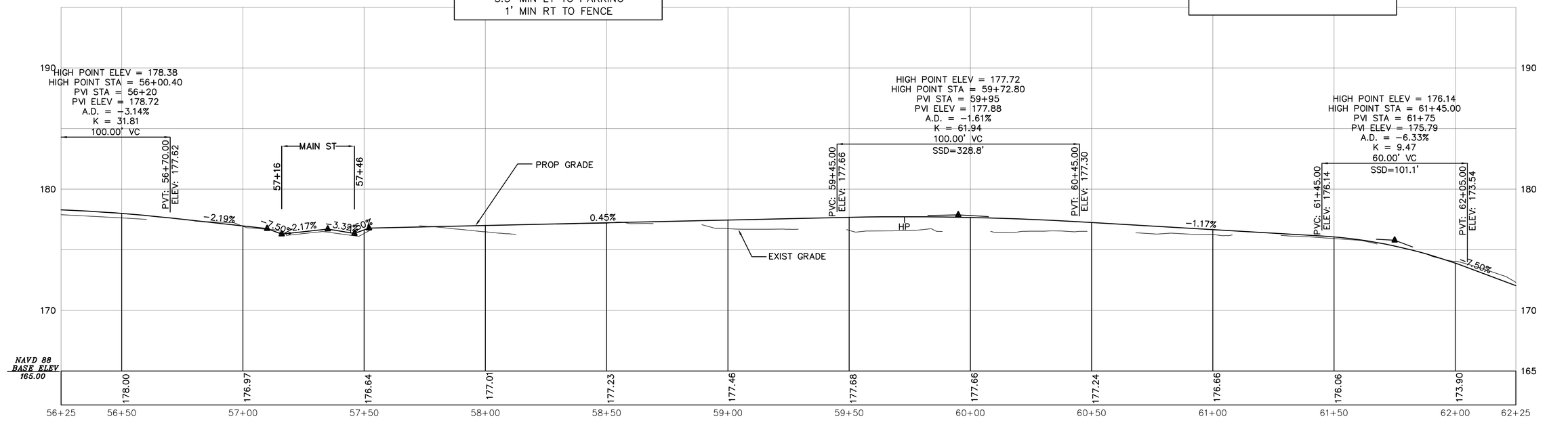


CONT. ON SHEET No. 9

CONT. ON SHEET No. 11

PATH DESIGN TYPE URBAN)
DESIGN SPEED 20 MPH
MINIMUM RADIUS 100'
PATH WIDTH 8'
CLEARANCE
3.5' MIN LT TO PARKING
1' MIN RT TO FENCE

PATH DESIGN TYPE URBAN)
DESIGN SPEED 20 MPH
MINIMUM RADIUS 100'
PATH WIDTH 8'
CLEARANCE
5' LT TO PARKING / 2' RT



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STEEL W BEAM HIGHWAY GUARD

NONE

DRAINAGE DETAILS

NONE

WATER SUPPLY ALTERATIONS

NONE

TRAFFIC SIGNAL CONDUIT

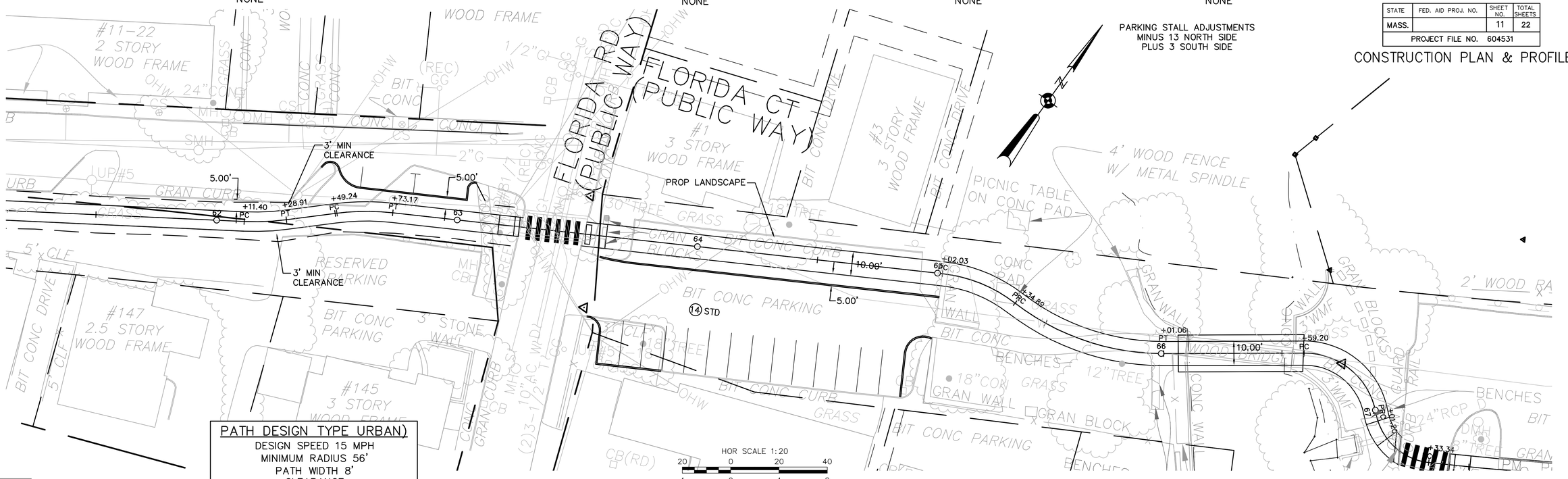
NONE

PARKING STALL ADJUSTMENTS
MINUS 13 NORTH SIDE
PLUS 3 SOUTH SIDE

MAYNARD–ACTON
ASSABET RIVER RAIL TRAIL

STATE	FED. AID PROJ. NO.	SHEET NO.	TOTAL SHEETS
MASS.		11	22
PROJECT FILE NO. 604531			

CONSTRUCTION PLAN & PROFILE



PATH DESIGN TYPE URBAN)

DESIGN SPEED 15 MPH
MINIMUM RADIUS 56'
PATH WIDTH 8'
CLEARANCE
5' LT/RT TO PARKING
3' LT/RT FOR SHORT STRETCH

PATH DESIGN TYPE URBAN)

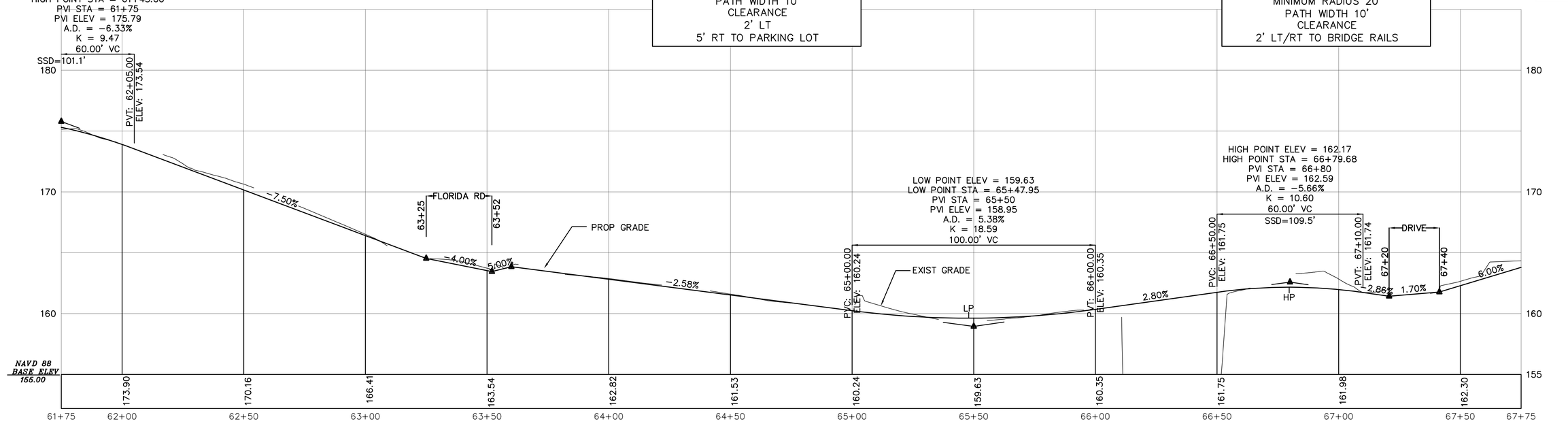
DESIGN SPEED 15 MPH
MINIMUM RADIUS 56'
PATH WIDTH 10'
CLEARANCE
2' LT
5' RT TO PARKING LOT

PATH DESIGN TYPE URBAN)

DESIGN SPEED NA
(APPROACH STOP)
MINIMUM RADIUS 20'
PATH WIDTH 10'
CLEARANCE
2' LT/RT TO BRIDGE RAILS

CONT. ON SHEET No. 10

CONT. ON SHEET No. 12



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STEEL W BEAM HIGHWAY GUARD
NONE

DRAINAGE DETAILS
NONE

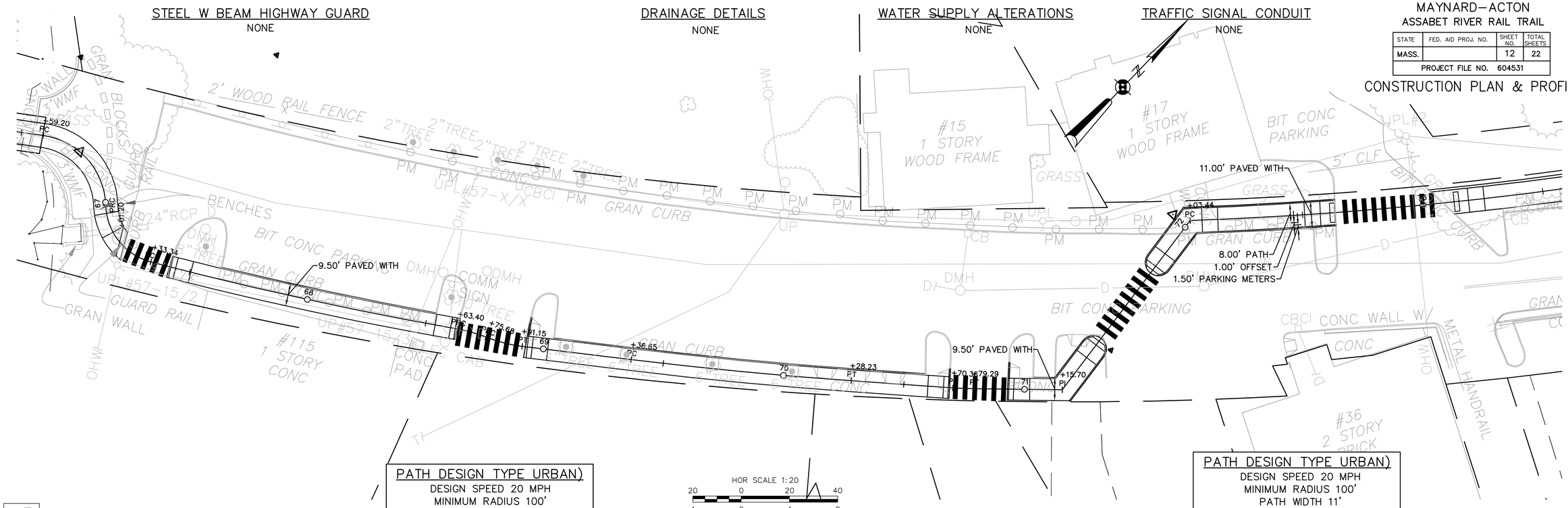
WATER SUPPLY ALTERATIONS
NONE

TRAFFIC SIGNAL CONDUIT
NONE

MAYNARD–ACTON
ASSABET RIVER RAIL TRAIL

STATE	FED. AID PROJ. NO.	SHEET NO.	TOTAL SHEETS
MASS.		12	22
PROJECT FILE NO. 604531			

CONSTRUCTION PLAN & PROFILE



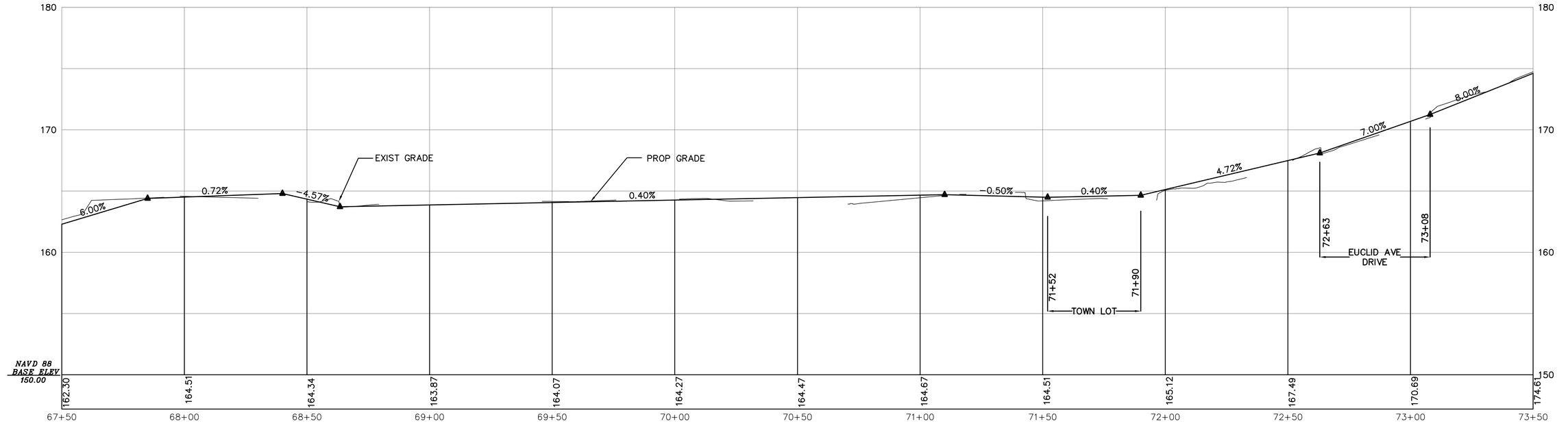
PATH DESIGN TYPE URBAN)
DESIGN SPEED 20 MPH
MINIMUM RADIUS 100'
PATH WIDTH 9.5'
8' CLEAR PAVED WIDTH
LT 1.5' RESERVED FOR METERS

HOR SCALE 1:20
20 0 20 40
VERT SCALE 1:4
4 0 4 8
SCALE IN FEET

PATH DESIGN TYPE URBAN)
DESIGN SPEED 20 MPH
MINIMUM RADIUS 100'
PATH WIDTH 11'
9' CLEAR PAVED WIDTH
1.5' RESERVED FOR METERS
6" CURB LT

CONT. ON SHEET No. 11

CONT. ON SHEET No. 13



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STEEL W BEAM HIGHWAY GUARD
NONE

DRAINAGE DETAILS
NONE

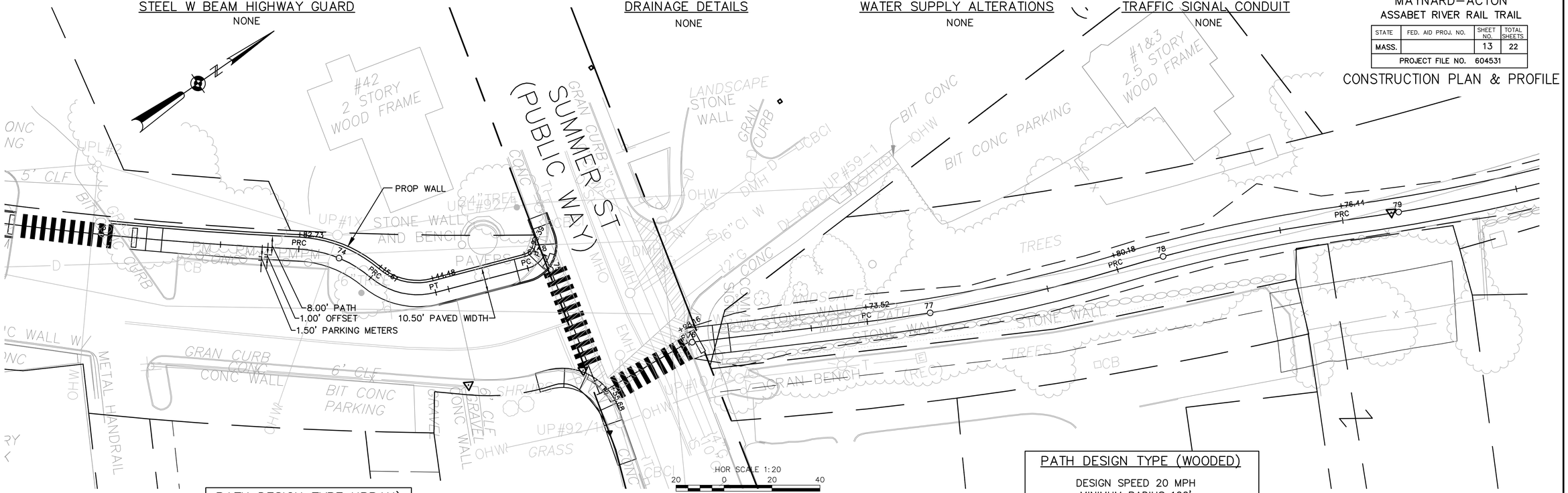
WATER SUPPLY ALTERATIONS
NONE

TRAFFIC SIGNAL CONDUIT
NONE

MAYNARD–ACTON
ASSABET RIVER RAIL TRAIL

STATE	FED. AID PROJ. NO.	SHEET NO.	TOTAL SHEETS
MASS.		13	22
PROJECT FILE NO. 604531			

CONSTRUCTION PLAN & PROFILE

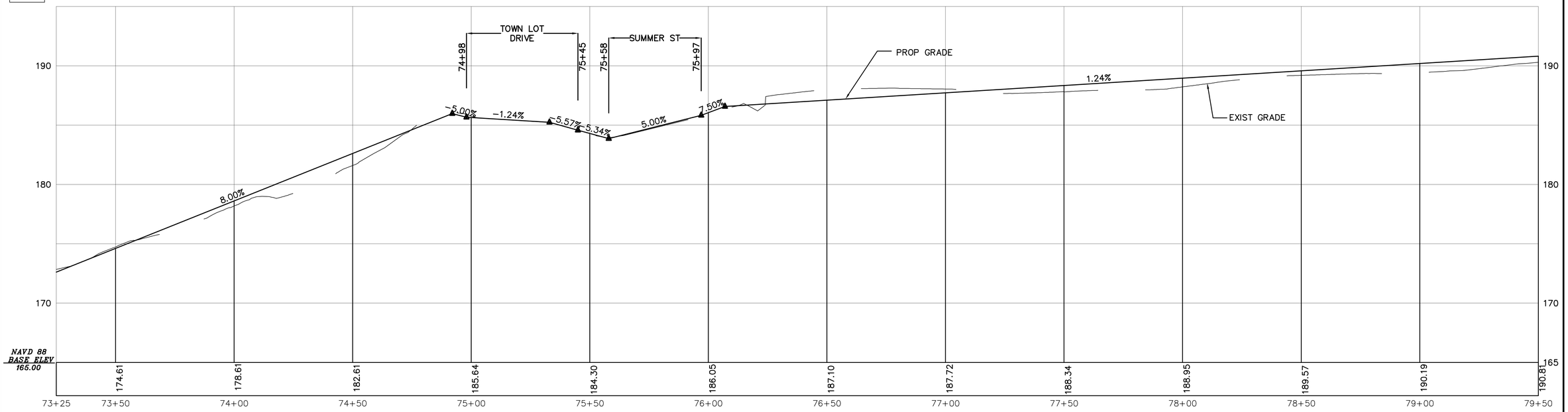


PATH DESIGN TYPE URBAN)
DESIGN SPEED NA
(APPROACH STOP)
MINIMUM RADIUS 20'
10.5 PATH WIDTH
9' CLEAR PAVED WIDTH
1.5' RESERVED FOR METERS

PATH DESIGN TYPE (WOODED)
DESIGN SPEED 20 MPH
MINIMUM RADIUS 100'
PATH WIDTH 12'
CLEARANCE 2' LT/RT

CONT. ON SHEET No. 12

CONT. ON SHEET No. 14



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MAYNARD–ACTON
ASSABET RIVER RAIL TRAIL

STATE	FED. AID PROJ. NO.	SHEET NO.	TOTAL SHEETS
MASS.		14	22
PROJECT FILE NO. 604531			

CONSTRUCTION PLAN & PROFILE

STEEL W BEAM HIGHWAY GUARD
NONE

DRAINAGE DETAILS
SEE BELOW

WATER SUPPLY ALTERATIONS
NONE

TRAFFIC SIGNAL CONDUIT
NONE

CONT. ON SHEET No. 13

CONT. ON SHEET No. 15

PATH DESIGN TYPE (WOODED)
DESIGN SPEED 20 MPH
MINIMUM RADIUS 100'
PATH WIDTH 12'
CLEARANCE 2' LT/RT

HOR SCALE 1:40
40 0 40 80
8 0 8 16
VERT SCALE 1:8
SCALE IN FEET

PATH DESIGN TYPE (URBAN)
DESIGN SPEED NA
(APPROACH STOP)
PATH WIDTH 10'
CLEARANCE
5' RT TO STREET / 2' LT

PATH DESIGN TYPE (WOODED)
DESIGN SPEED 20 MPH
MINIMUM RADIUS 100'
PATH WIDTH 12'
CLEARANCE 2' LT/RT

FOR PROFILE SEE BELOW

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STEEL W BEAM HIGHWAY GUARD
NONE

DRAINAGE DETAILS
NONE

DRAINAGE DETAILS
NONE

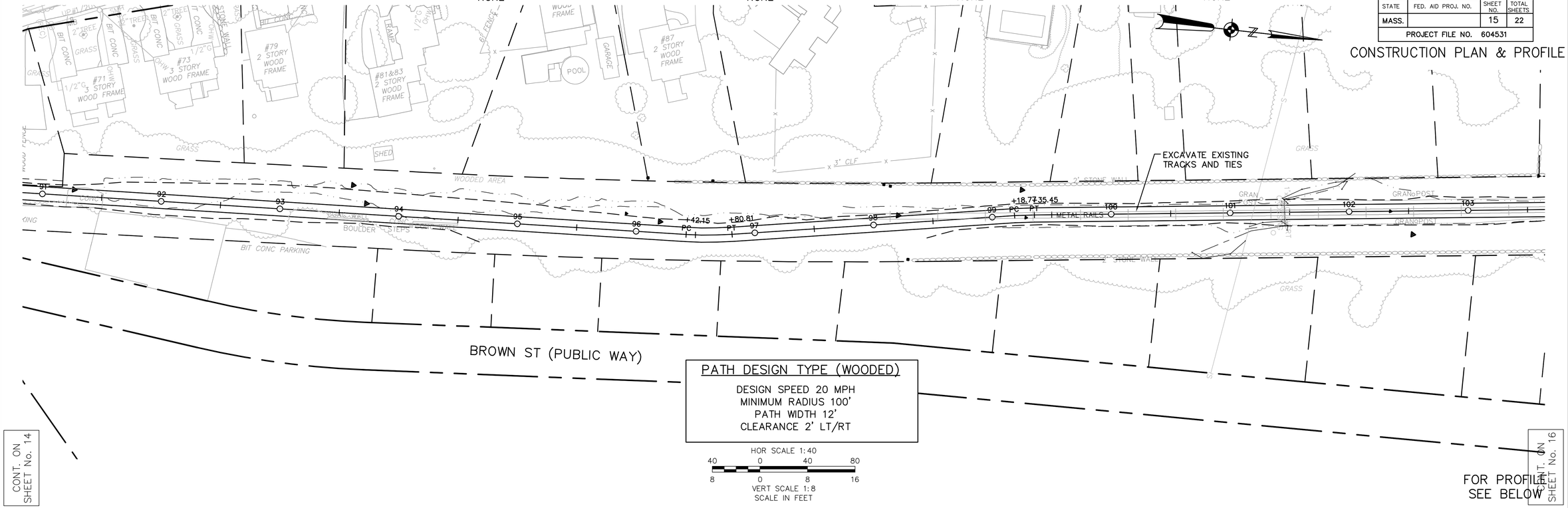
WATER SUPPLY ALTERATIONS
NONE

TRAFFIC SIGNAL CONDUIT
NONE

MAYNARD–ACTON
ASSABET RIVER RAIL TRAIL

STATE	FED. AID PROJ. NO.	SHEET NO.	TOTAL SHEETS
MASS.		15	22
PROJECT FILE NO. 604531			

CONSTRUCTION PLAN & PROFILE



PATH DESIGN TYPE (WOODED)

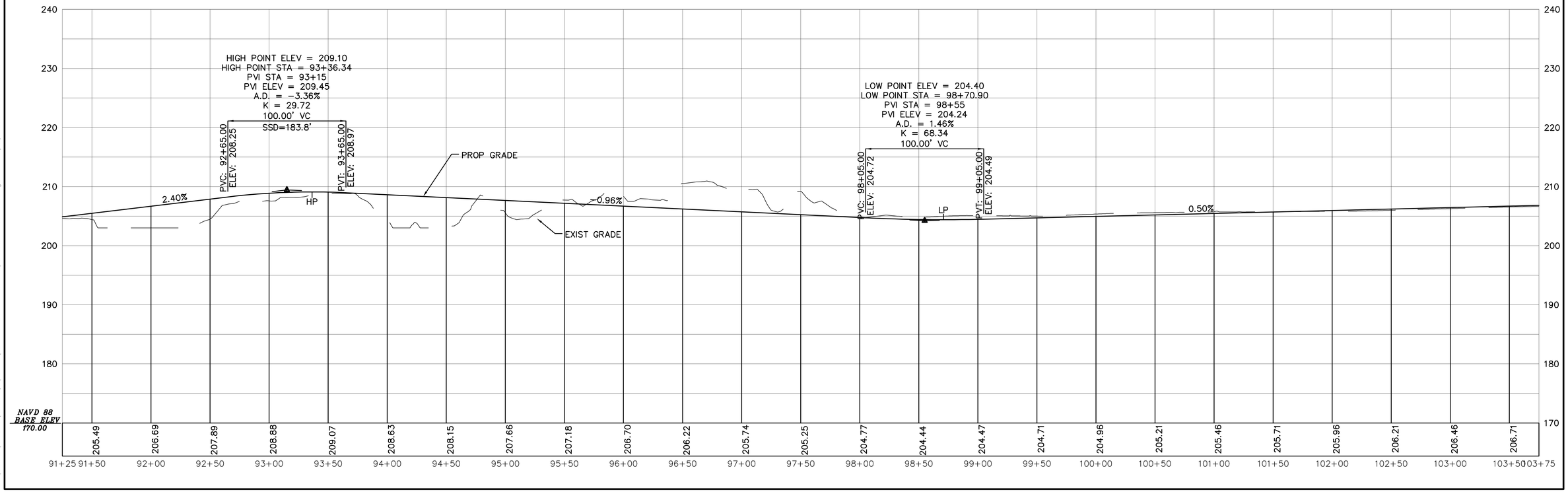
DESIGN SPEED 20 MPH
MINIMUM RADIUS 100'
PATH WIDTH 12'
CLEARANCE 2' LT/RT

HOR SCALE 1:40
40 0 40 80
8 0 8 16
VERT SCALE 1:8
SCALE IN FEET

CONT. ON SHEET No. 14

CONT. ON SHEET No. 16

FOR PROFILE SEE BELOW



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STEEL W BEAM HIGHWAY GUARD

DRAINAGE DETAILS

NONE

WATER SUPPLY ALTERATIONS

NONE

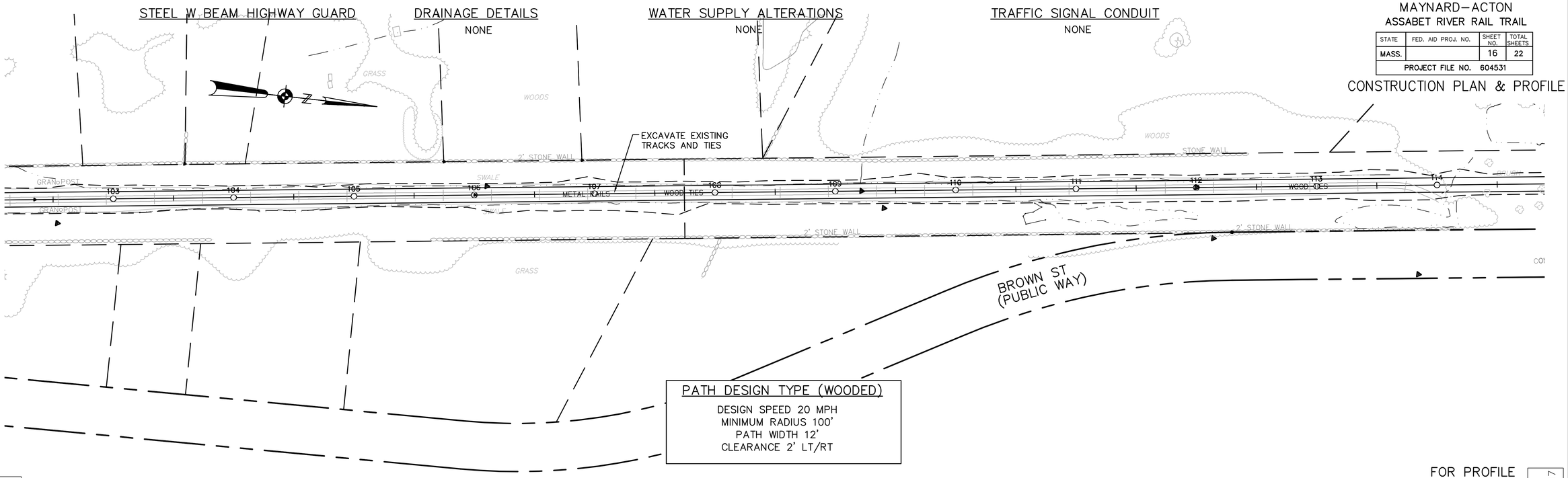
TRAFFIC SIGNAL CONDUIT

NONE

MAYNARD–ACTON
ASSABET RIVER RAIL TRAIL

STATE	FED. AID PROJ. NO.	SHEET NO.	TOTAL SHEETS
MASS.		16	22
PROJECT FILE NO. 604531			

CONSTRUCTION PLAN & PROFILE



PATH DESIGN TYPE (WOODED)

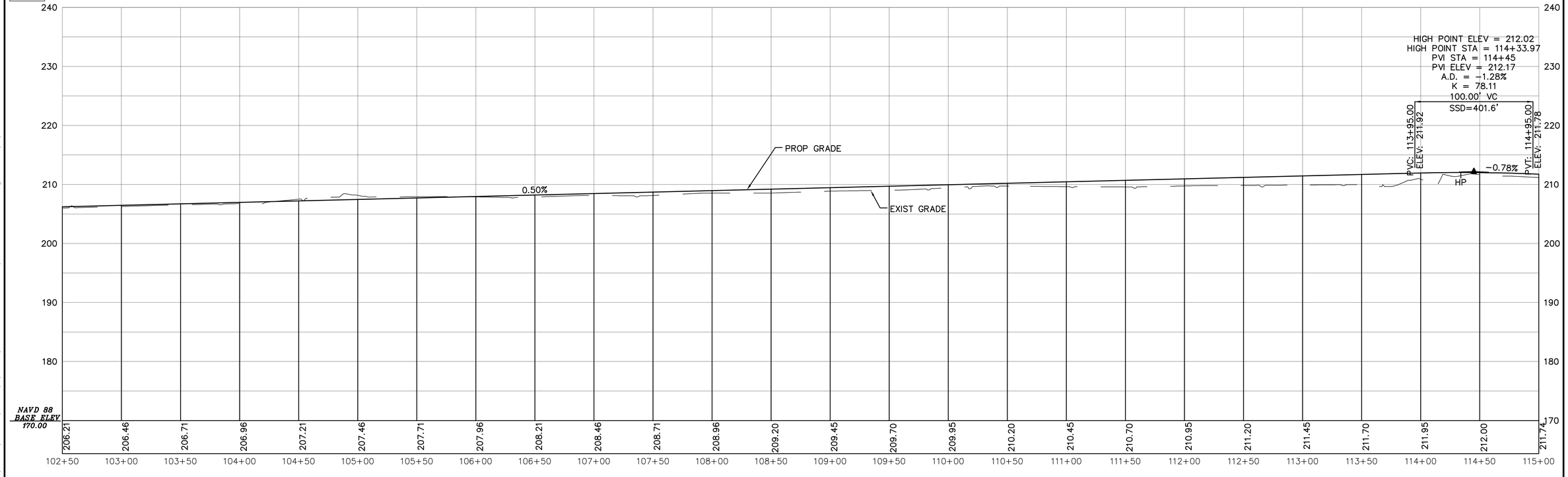
DESIGN SPEED 20 MPH
MINIMUM RADIUS 100'
PATH WIDTH 12'
CLEARANCE 2' LT/RT

HOR SCALE 1:40
40 0 40 80
8 0 8 16
VERT SCALE 1:8
SCALE IN FEET

FOR PROFILE SEE BELOW

CONT. ON SHEET No. 15

CONT. ON SHEET No. 17



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STEEL W BEAM HIGHWAY GUARD
NONE

DRAINAGE DETAILS
NONE

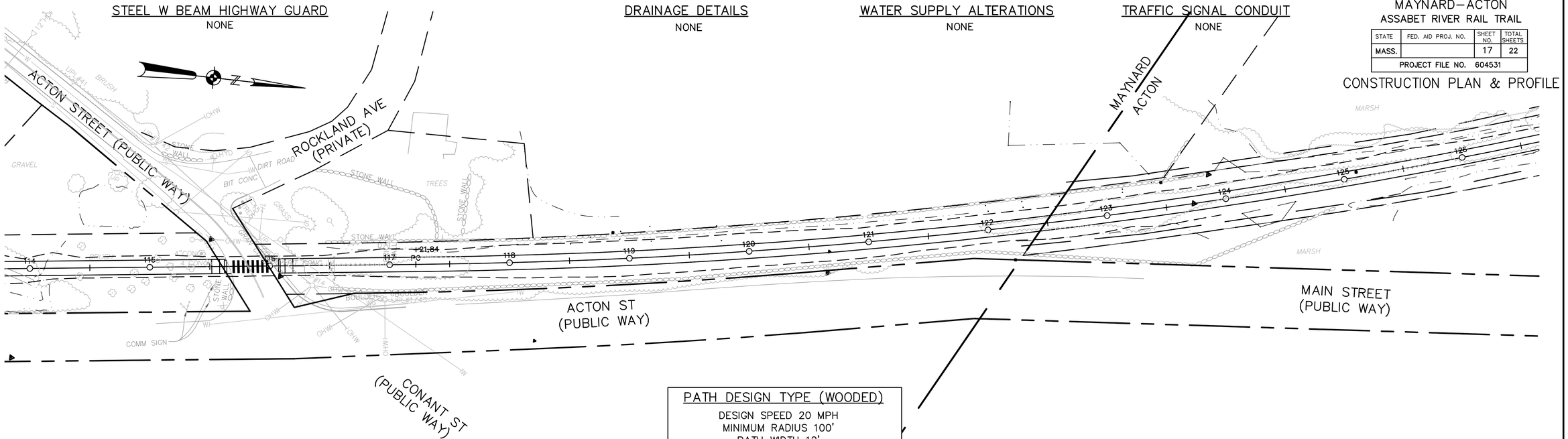
WATER SUPPLY ALTERATIONS
NONE

TRAFFIC SIGNAL CONDUIT
NONE

MAYNARD–ACTON
ASSABET RIVER RAIL TRAIL

STATE	FED. AID PROJ. NO.	SHEET NO.	TOTAL SHEETS
MASS.		17	22
PROJECT FILE NO. 604531			

CONSTRUCTION PLAN & PROFILE



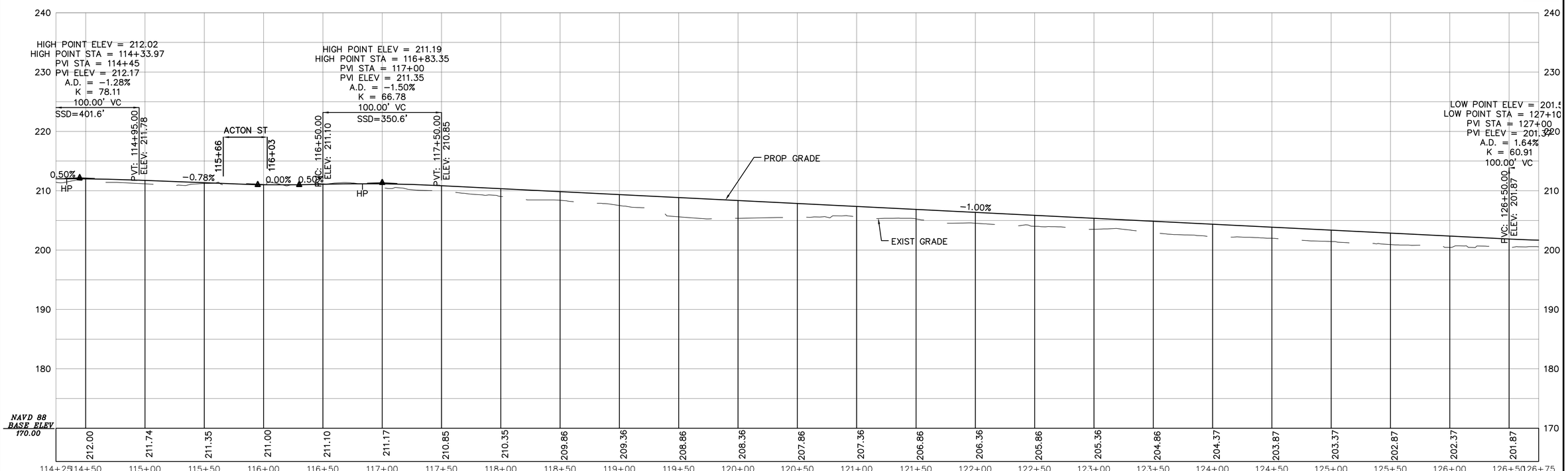
PATH DESIGN TYPE (WOODED)
DESIGN SPEED 20 MPH
MINIMUM RADIUS 100'
PATH WIDTH 12'
CLEARANCE 2' LT/RT

HOR SCALE 1:40
40 0 40 80
8 0 8 16
VERT SCALE 1:8
SCALE IN FEET

CONT. ON SHEET No. 16

CONT. ON SHEET No. 18

FOR PROFILE SEE BELOW



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STEEL W BEAM HIGHWAY GUARD
NONE

DRAINAGE DETAILS
NONE

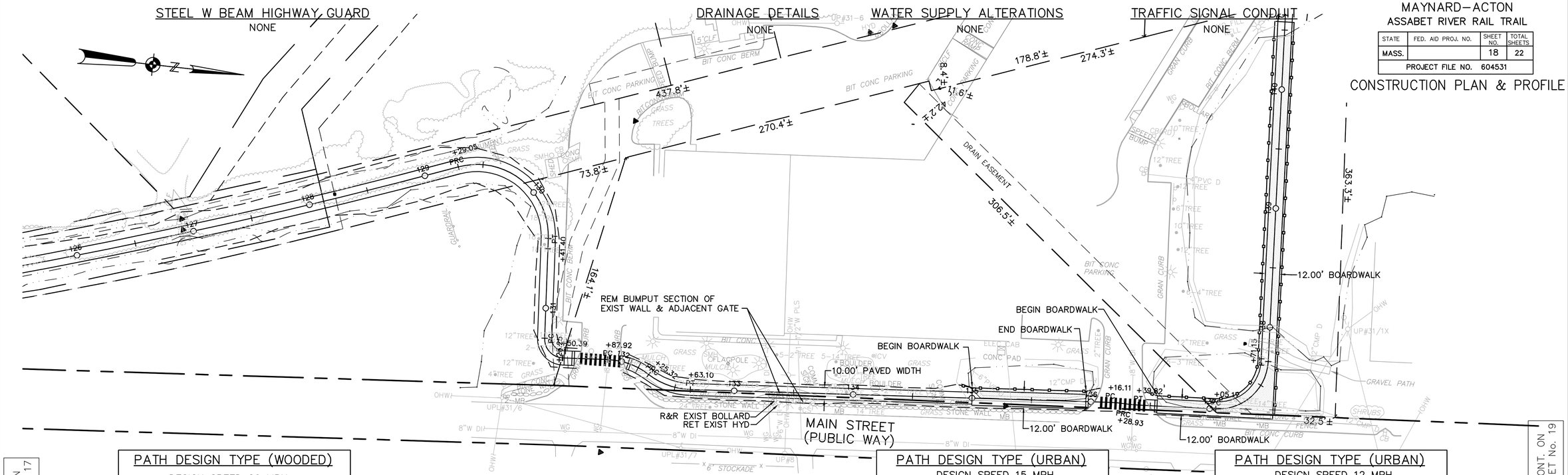
WATER SUPPLY ALTERATIONS
NONE

TRAFFIC SIGNAL CONDUIT
NONE

MAYNARD–ACTON
ASSABET RIVER RAIL TRAIL

STATE	FED. AID PROJ. NO.	SHEET NO.	TOTAL SHEETS
MASS.		18	22
PROJECT FILE NO. 604531			

CONSTRUCTION PLAN & PROFILE



CONT. ON SHEET No. 17

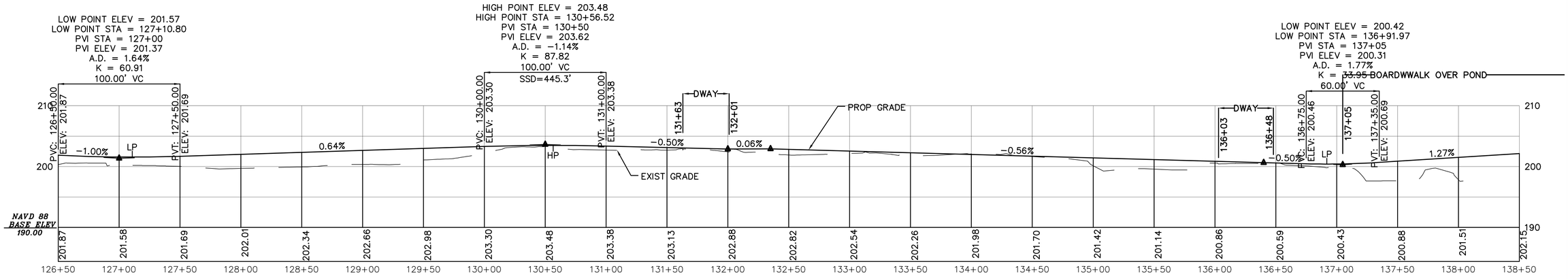
PATH DESIGN TYPE (WOODED)
DESIGN SPEED 20 MPH
MINIMUM RADIUS 100'
PATH WIDTH 12'
CLEARANCE 2' LT/RT

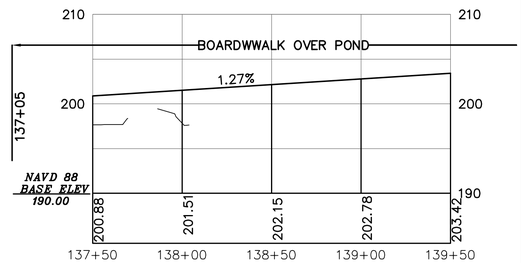
PATH DESIGN TYPE (URBAN)
DESIGN SPEED 15 MPH
MINIMUM RADIUS 56'
PATH WIDTH 10'
CLEARANCE
2' LT / 2' RT TO EXIST WALL

PATH DESIGN TYPE (URBAN)
DESIGN SPEED 12 MPH
MINIMUM RADIUS 36'
12' WIDE BOARDWALK
NO OFFSETS TO RAILS

CONT. ON SHEET No. 19

FOR PROFILE SEE BELOW





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STEEL W BEAM HIGHWAY GUARD

DRAINAGE DETAILS
NONE

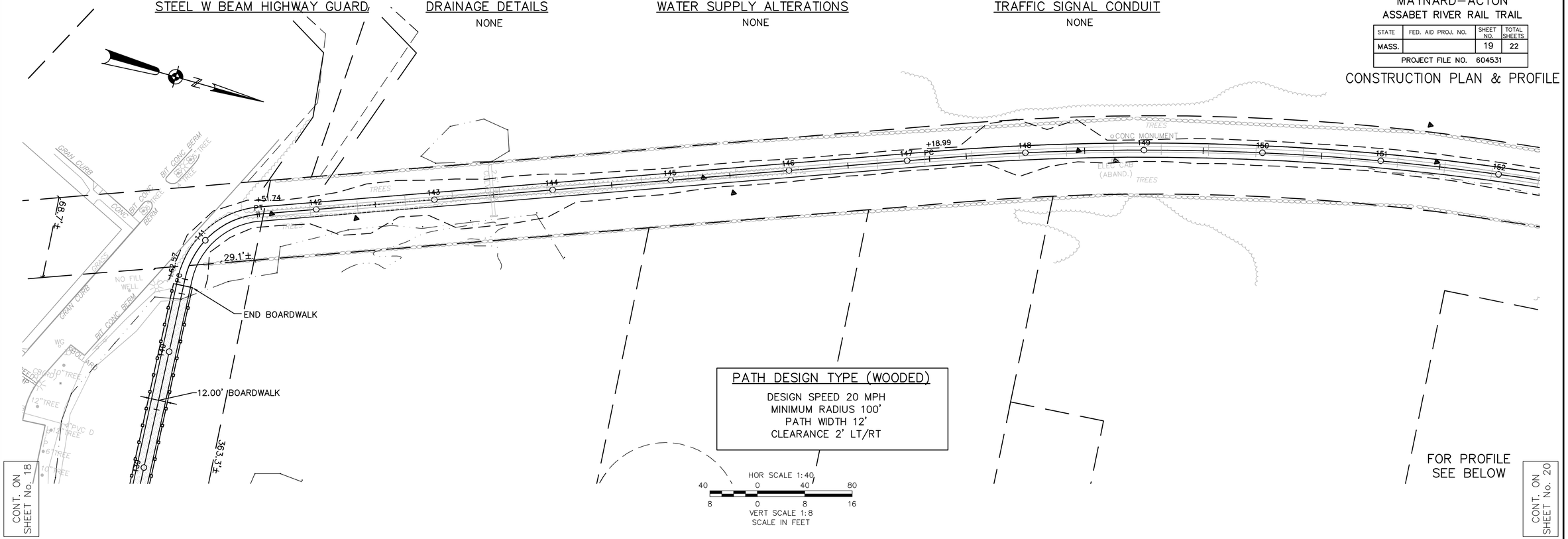
WATER SUPPLY ALTERATIONS
NONE

TRAFFIC SIGNAL CONDUIT
NONE

MAYNARD–ACTON
ASSABET RIVER RAIL TRAIL

STATE	FED. AID PROJ. NO.	SHEET NO.	TOTAL SHEETS
MASS.		19	22
PROJECT FILE NO. 604531			

CONSTRUCTION PLAN & PROFILE



PATH DESIGN TYPE (WOODED)

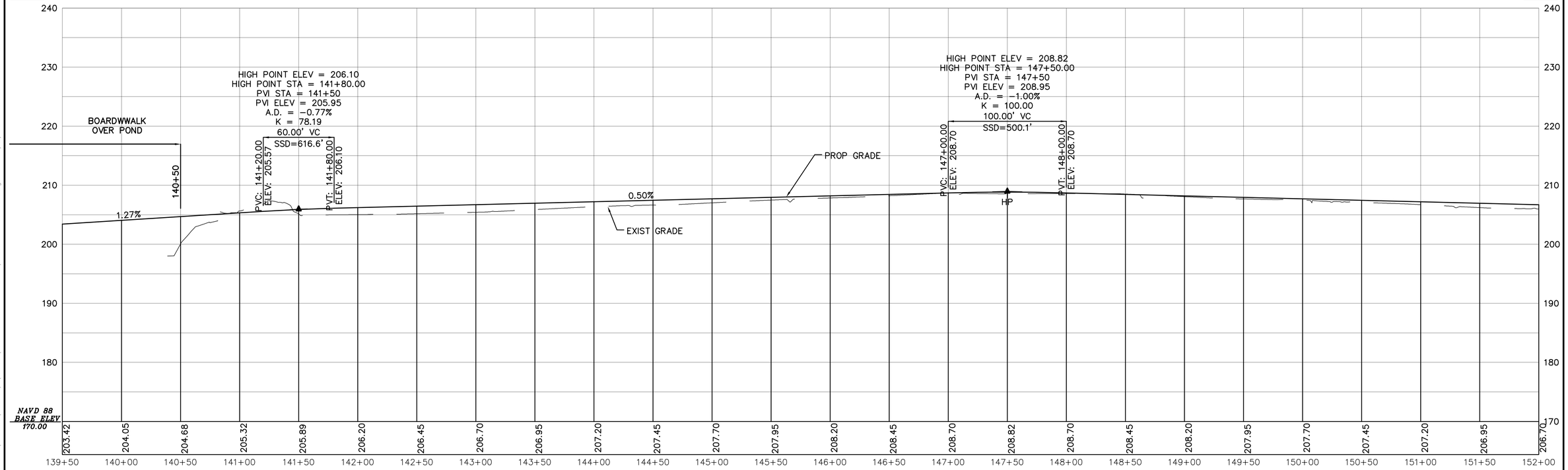
DESIGN SPEED 20 MPH
MINIMUM RADIUS 100'
PATH WIDTH 12'
CLEARANCE 2' LT/RT

HOR SCALE 1:40
40 0 40 80
8 0 8 16
VERT SCALE 1:8
SCALE IN FEET

FOR PROFILE SEE BELOW

CONT. ON SHEET No. 18

CONT. ON SHEET No. 20



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STEEL W BEAM HIGHWAY GUARD
NONE

DRAINAGE DETAILS
NONE

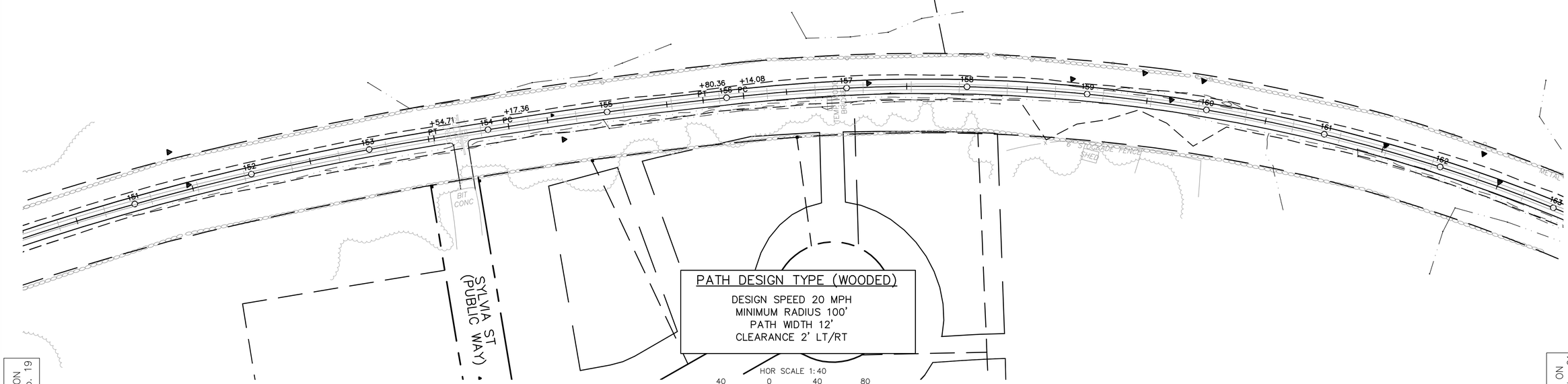
WATER SUPPLY ALTERATIONS
NONE

TRAFFIC SIGNAL CONDUIT
NONE

MAYNARD–ACTON
ASSABET RIVER RAIL TRAIL

STATE	FED. AID PROJ. NO.	SHEET NO.	TOTAL SHEETS
MASS.		20	22
PROJECT FILE NO. 604531			

CONSTRUCTION PLAN & PROFILE



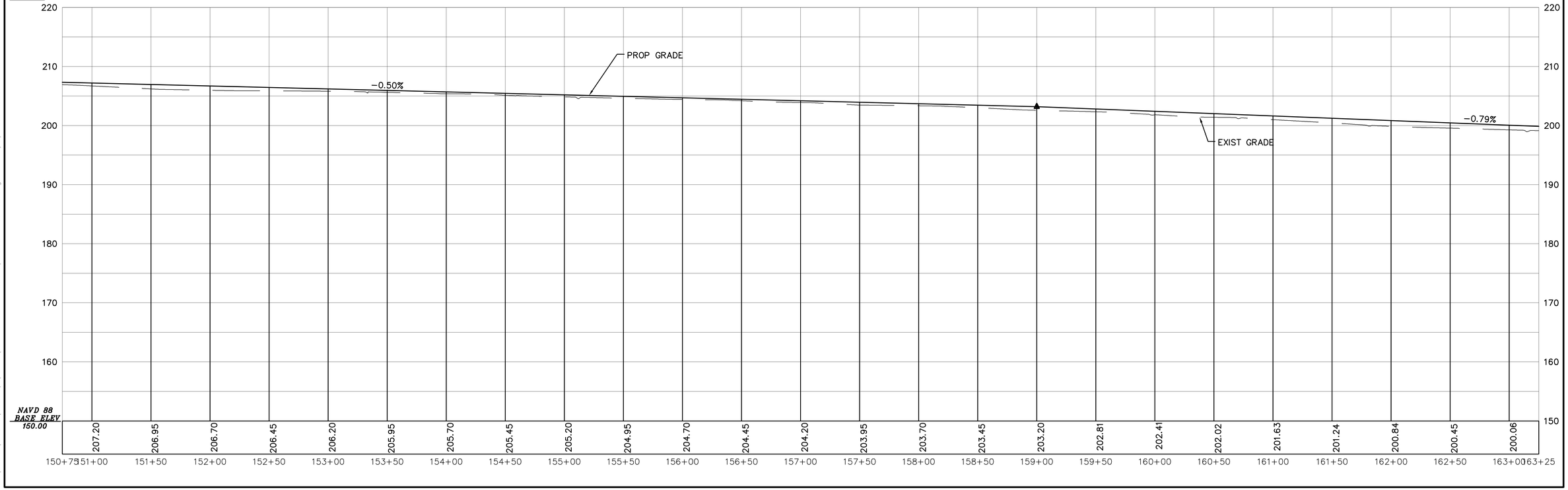
PATH DESIGN TYPE (WOODED)
DESIGN SPEED 20 MPH
MINIMUM RADIUS 100'
PATH WIDTH 12'
CLEARANCE 2' LT/RT

HOR SCALE 1:40
40 0 40 80
8 0 8 16
VERT SCALE 1:8
SCALE IN FEET

CONT. ON SHEET No. 19

FOR PROFILE SEE BELOW

CONT. ON SHEET No. 21



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STEEL W BEAM HIGHWAY GUARD
NONE

DRAINAGE DETAILS
NONE

WATER SUPPLY ALTERATIONS
NONE

TRAFFIC SIGNAL CONDUIT
NONE

MAYNARD–ACTON
ASSABET RIVER RAIL TRAIL

STATE	FED. AID PROJ. NO.	SHEET NO.	TOTAL SHEETS
MASS.		21	22
PROJECT FILE NO. 604531			

CONSTRUCTION PLAN & PROFILE

PATH DESIGN TYPE (WOODED)
DESIGN SPEED 20 MPH
MINIMUM RADIUS 100'
PATH WIDTH 12'
CLEARANCE 2' LT/RT

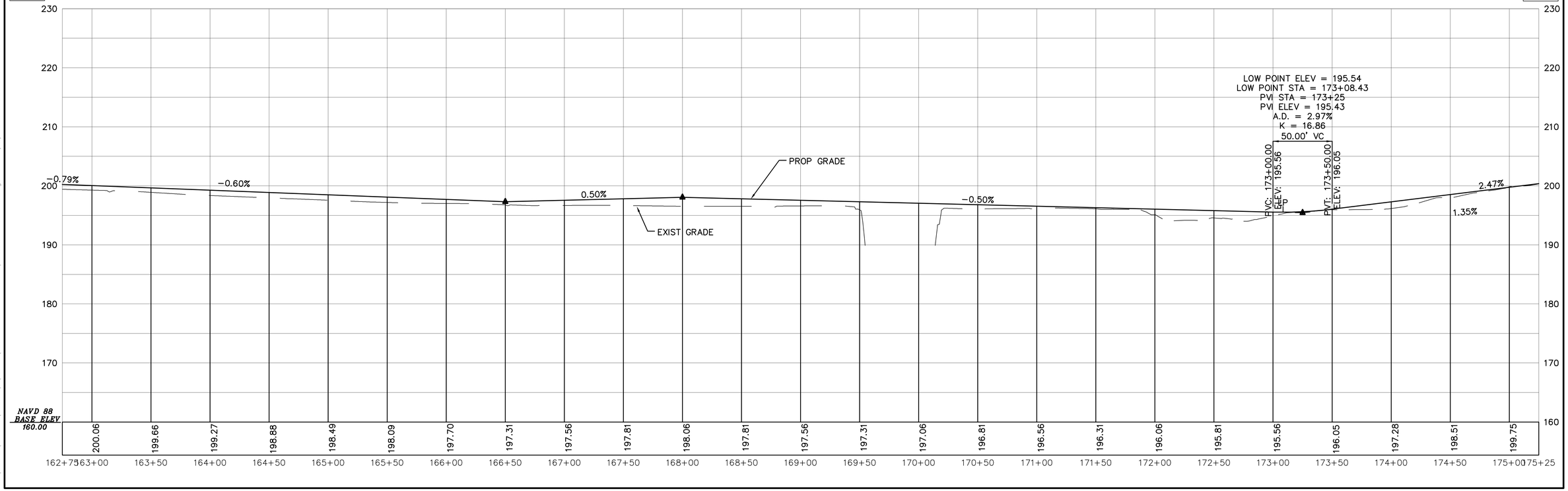
HOR SCALE 1:40
40 0 40 80
8 0 8 16
VERT SCALE 1:8
SCALE IN FEET

PATH DESIGN TYPE (TRANSTION)
DESIGN SPEED 12 MPH
MINIMUM RADIUS 36'
PATH WIDTH 12'
CLEARANCE 2' LT/RT

FOR PROFILE SEE BELOW

CONT. ON SHEET No. 20

CONT. ON SHEET No. 22



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STEEL W BEAM HIGHWAY GUARD
NONE

DRAINAGE DETAILS
NONE

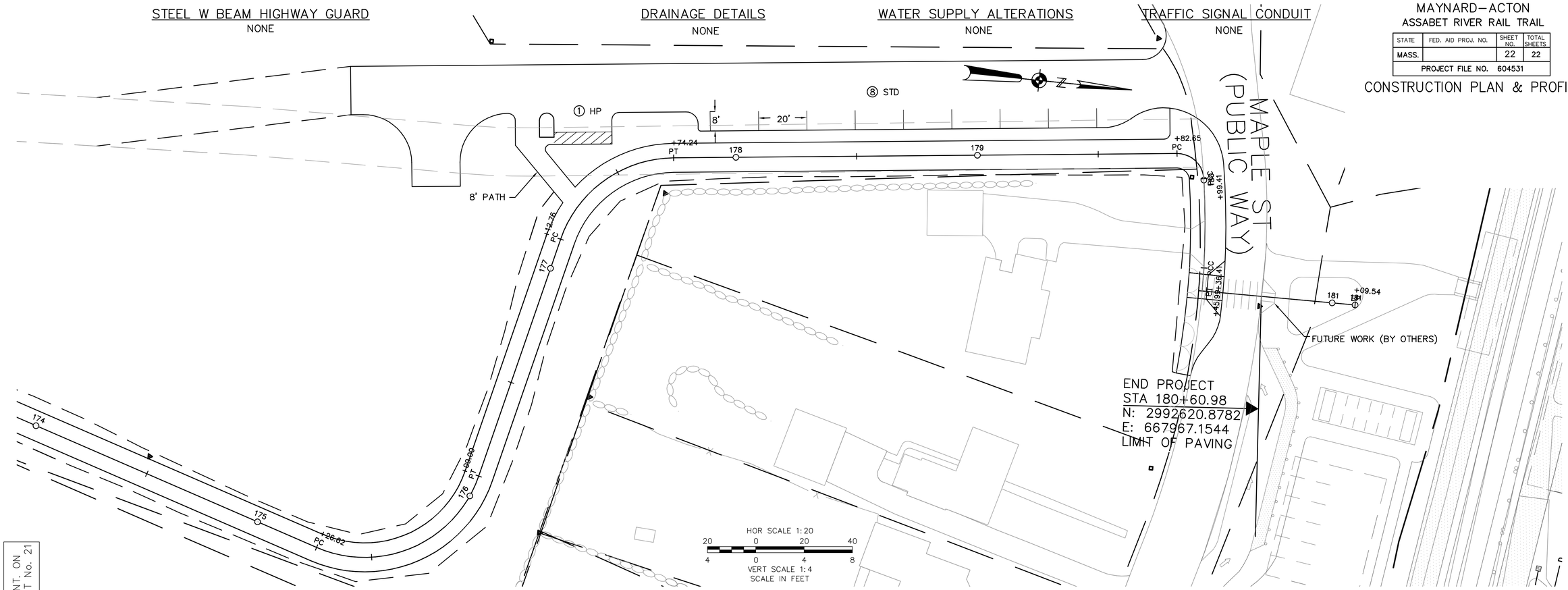
WATER SUPPLY ALTERATIONS
NONE

TRAFFIC SIGNAL CONDUIT
NONE

MAYNARD–ACTON
ASSABET RIVER RAIL TRAIL

STATE	FED. AID PROJ. NO.	SHEET NO.	TOTAL SHEETS
MASS.		22	22
PROJECT FILE NO. 604531			

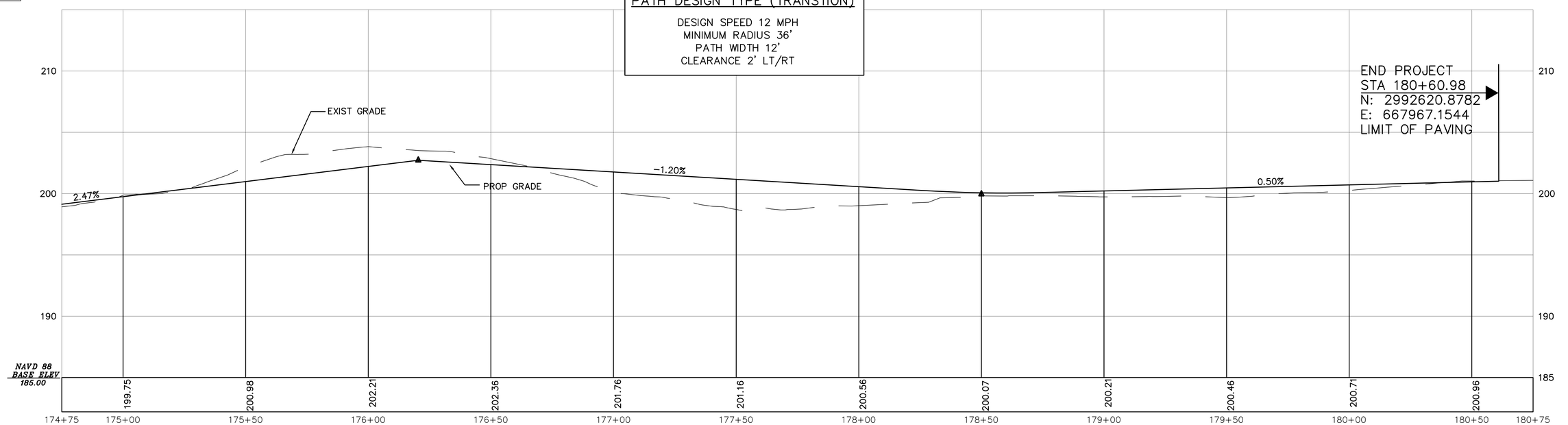
CONSTRUCTION PLAN & PROFILE



CONT. ON SHEET No. 21

PATH DESIGN TYPE (TRANSTION)

DESIGN SPEED 12 MPH
MINIMUM RADIUS 36'
PATH WIDTH 12'
CLEARANCE 2' LT/RT



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