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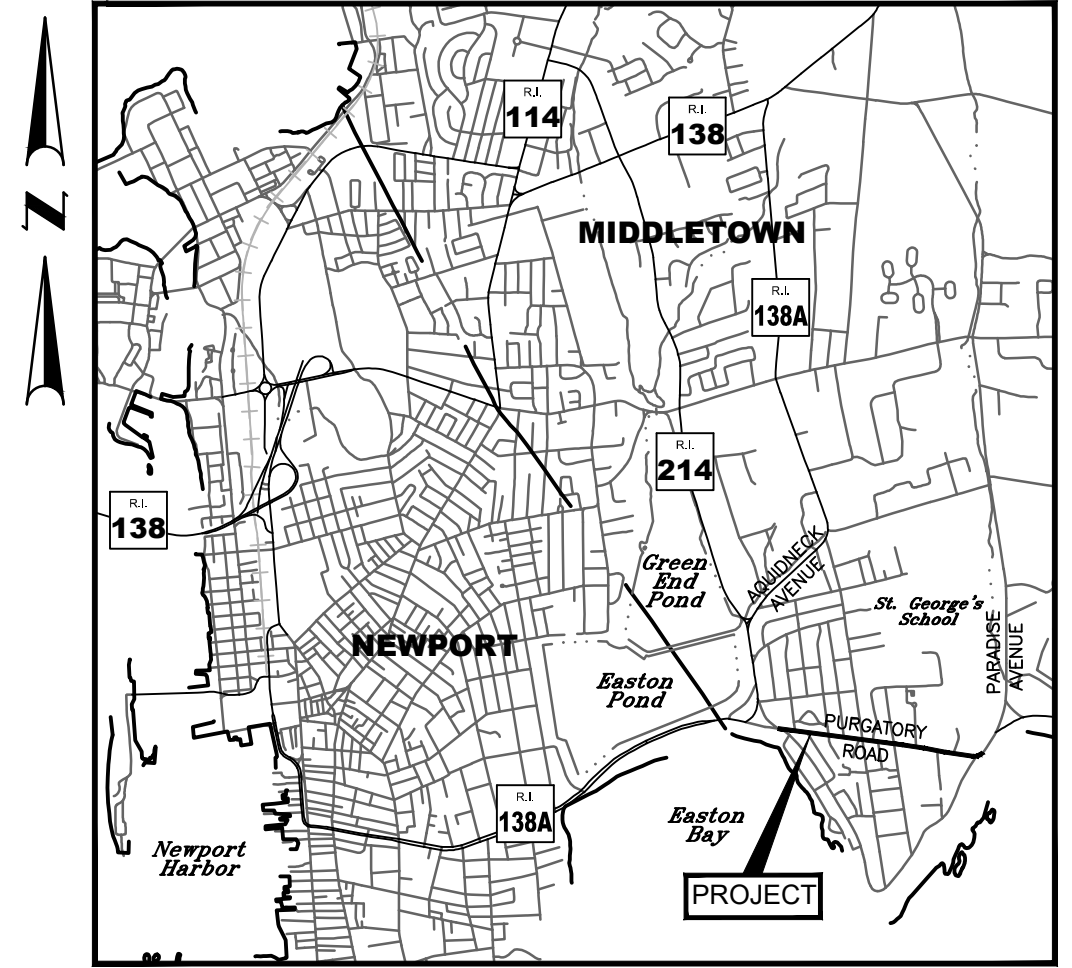
OWNER:
TOWN OF MIDDLETOWN

PROJECT:
**PURGATORY ROAD
 SIDEWALK IMPROVEMENTS**

TOWN OF MIDDLETOWN
 COUNTY OF NEWPORT

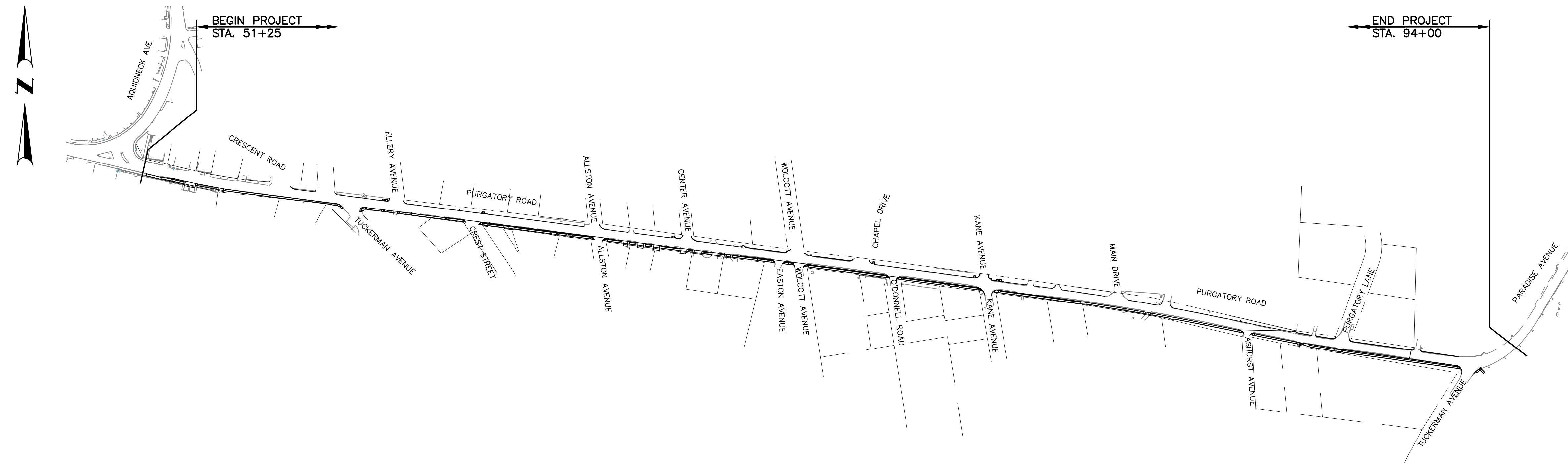
PAVEMENT STRUCTURE
 2" MODIFIED CLASS 9.5
 4" CLASS 19
 12" GRAVEL BORROW SUBBASE COURSE

0.81 MILES



LOCATION MAP
 SCALE: 1"=3600'

DESIGN	DESIGNATION
	<u>PURGATORY ROAD</u>
2020 AADT	XX,XXX V.P.D.
2043 AADT	XX,XXX.P.D.
D	XX% WB
K	X.X
T	X.X%
2020 DHV	X,XXX V.P.H.
2043 DHV	X,XXX V.P.H.
POSTED SPEED	25 M.P.H.



LAYOUT PLAN
 SCALE: 1"=200'

HURRICANE EVACUATION ROUTE
 This project includes work on a designated Hurricane Evacuation and Diversionary Route as follows:
 -XXX
 Refer to Note 18 on Sheet 3

**30% SUBMISSION
 NOVEMBER 2021**

SCALES OF DRAWINGS
 Plans 1 inch = 20 feet

BASE OF LEVELS
 NAVD 88
 NAD 83(2011) (EPOCH:2010.0000)

R.I. STANDARD SPECIFICATIONS AND STANDARD DETAILS
 SPECIFICATIONS TO GOVERN THIS PROJECT ARE THE R.I. STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION, AMENDED MARCH 2018, WITH ALL REVISIONS AND THE STATE AND FEDERAL SPECIAL PROVISIONS INCLUDED IN THE CONTRACT DOCUMENTS. STANDARD DETAILS FOR THIS PROJECT ARE R.I. STANDARD DETAILS, 1998 EDITION, WITH ALL REVISIONS.

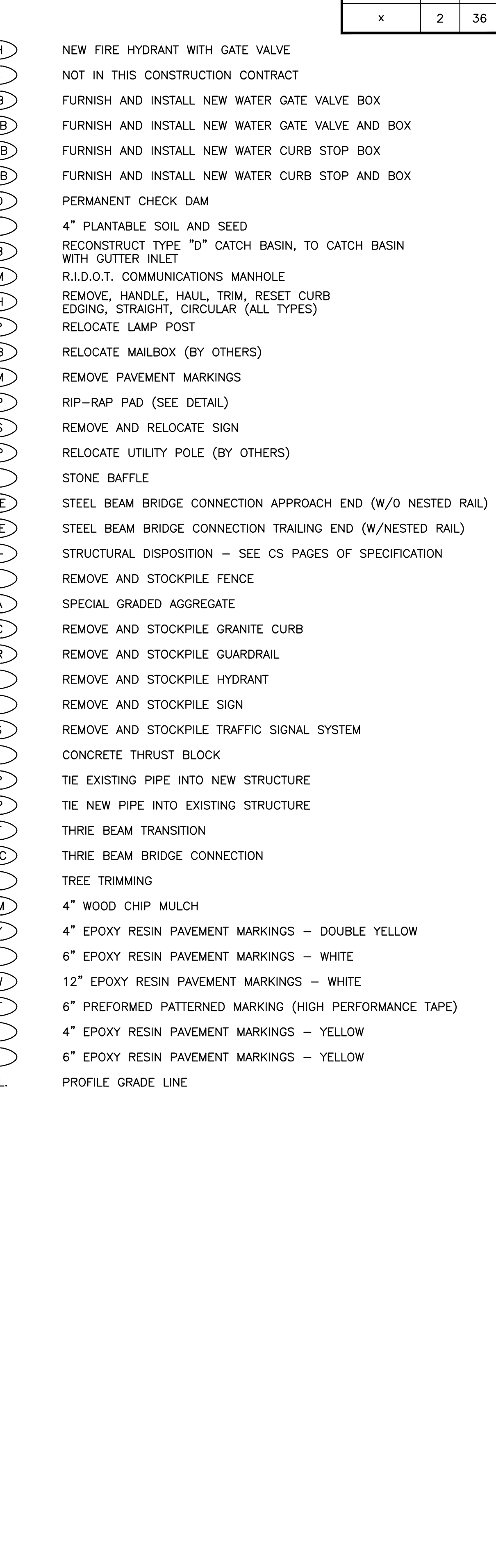
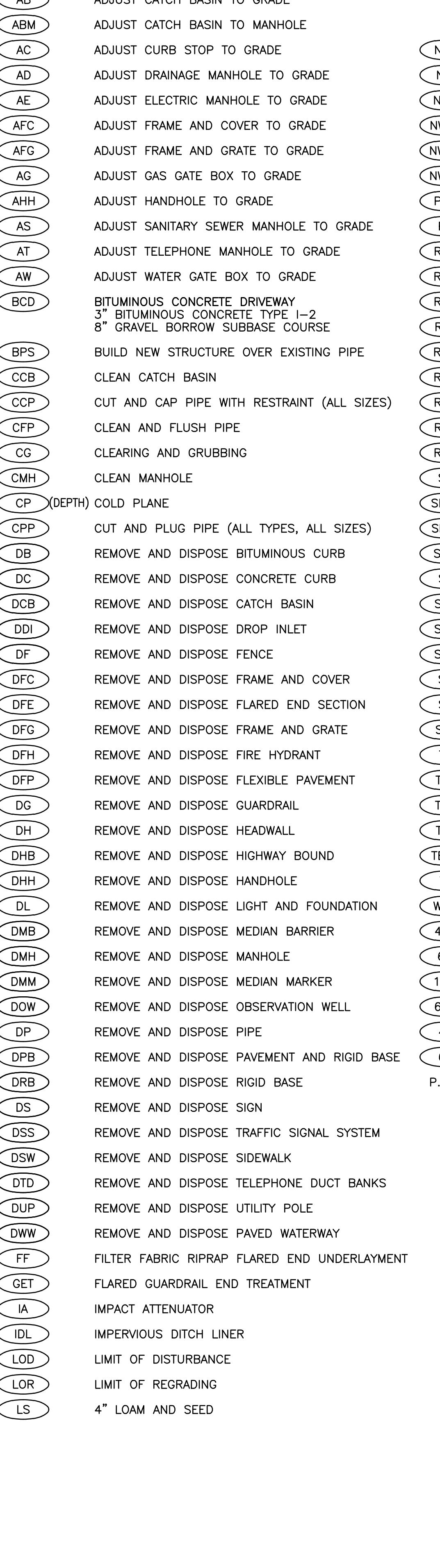
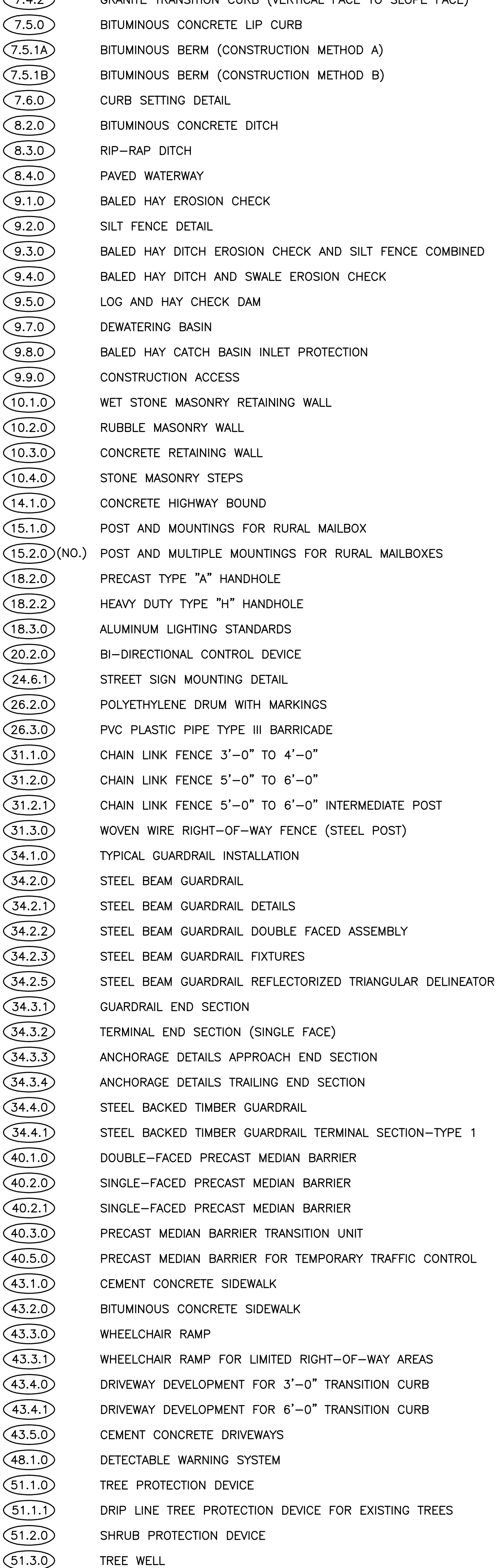
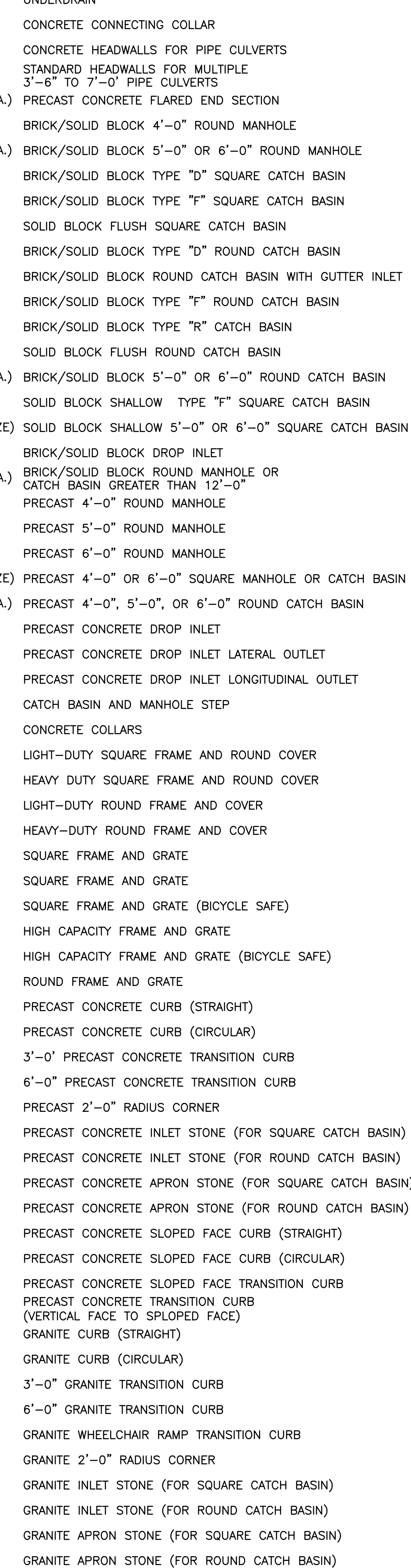
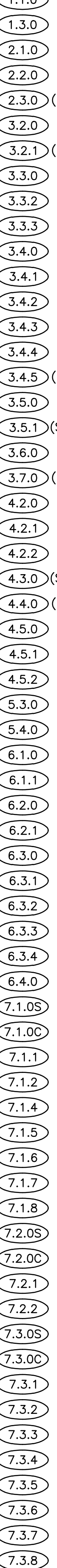
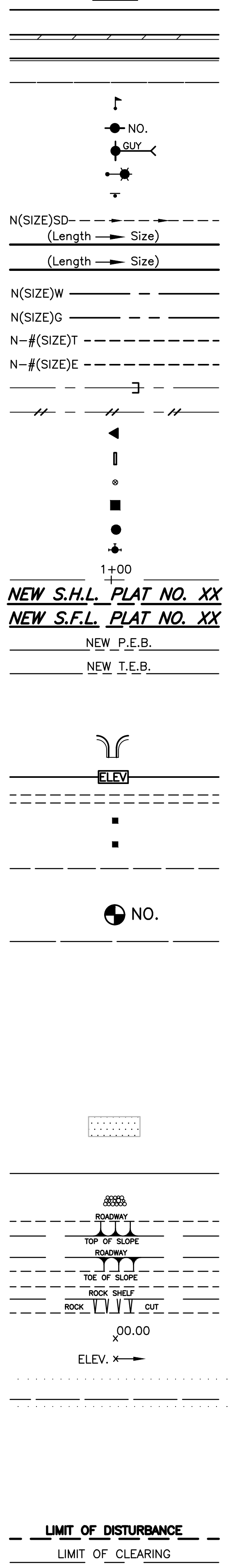
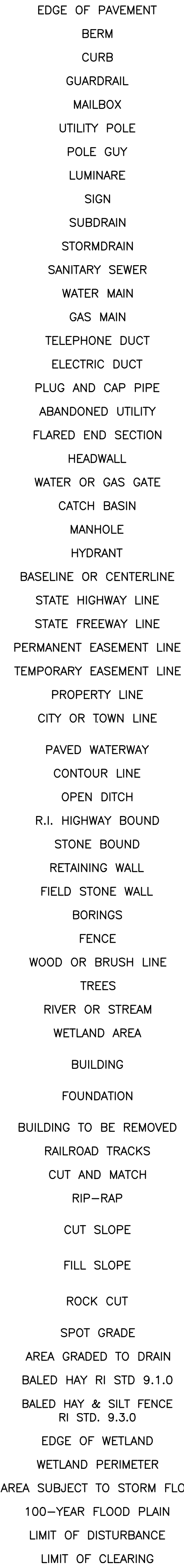
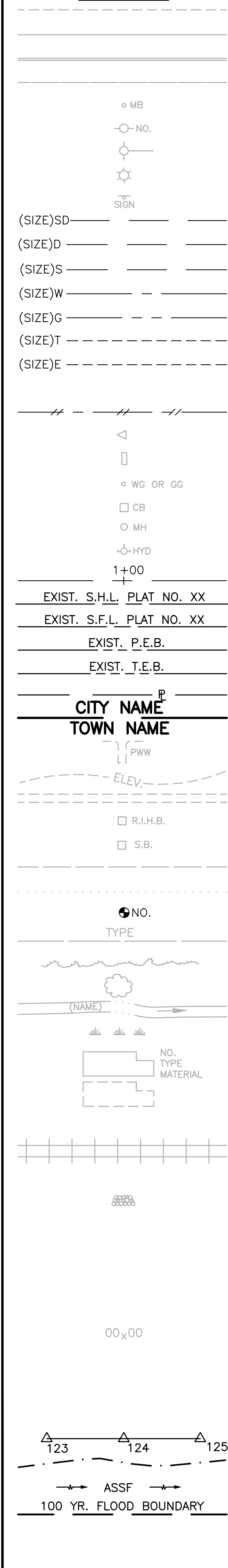


Bid Number X
 Number of Sheet 1
 Total Sheets 36

EXISTING	NEW	1.1.0	1.3.0	2.1.0	2.2.0	2.3.0 (DIA.)	3.2.0	3.2.1 (DIA.)	3.3.0	3.3.2	3.3.3	3.4.0	3.4.1	3.4.2	3.4.3	3.4.4	3.4.5 (DIA.)	3.5.0	3.5.1 (SIZE)	3.6.0	3.7.0 (DIA.)	4.2.0	4.2.1	4.2.2	4.3.0 (SIZE)	4.4.0 (DIA.)	4.5.0	4.5.1	4.5.2	5.3.0	5.4.0	6.1.0	6.1.1	6.2.0	6.2.1	6.3.0	6.3.1	6.3.2	6.3.3	6.3.4	6.4.0	7.1.0S	7.1.0C	7.1.1	7.1.2	7.1.4	7.1.5	7.1.6	7.1.7	7.1.8	7.2.0S	7.2.0C	7.2.1	7.2.2	7.3.0S	7.3.0C	7.3.1	7.3.2	7.3.3	7.3.4	7.3.5	7.3.6	7.3.7	7.3.8	7.4.0	7.4.1	7.4.2	7.5.0	7.5.1A	7.5.1B	7.6.0	8.2.0	8.3.0	8.4.0	9.1.0	9.2.0	9.3.0	9.4.0	9.5.0	9.7.0	9.8.0	9.9.0	10.1.0	10.2.0	10.3.0	10.4.0	14.1.0	15.1.0	15.2.0 (NO.)	18.2.0	18.2.2	18.3.0	20.2.0	24.6.1	26.2.0	26.3.0	31.1.0	31.2.0	31.2.1	31.3.0	34.1.0	34.2.0	34.2.1	34.2.2	34.2.3	34.2.5	34.3.1	34.3.2	34.3.3	34.3.4	34.4.0	34.4.1	40.1.0	40.2.0	40.2.1	40.3.0	40.5.0	43.1.0	43.2.0	43.3.0	43.3.1	43.4.0	43.4.1	43.5.0	48.1.0	51.1.0	51.1.1	51.2.0	51.3.0	51.4.0	AB	ABM	AC	AD	AE	AFC	AFG	AG	AHH	AS	AT	AW	BCD	BPS	CCB	CCP	CFP	CG	CMH	CP (DEPTH)	CPP	DB	DC	DCB	DDI	DF	DFC	DFE	DFG	DFH	DFP	DG	DH	DHB	DHH	DL	DMB	DMH	DMM	DOW	DP	DPB	DRB	DS	DSS	DSW	DTD	DUP	DWW	FF	GET	IA	IDL	LOD	LOR	LS	AB	ADJUST CATCH BASIN TO GRADE	ADJUST CATCH BASIN TO MANHOLE	ADJUST CURB STOP TO GRADE	ADJUST DRAINAGE MANHOLE TO GRADE	ADJUST ELECTRIC MANHOLE TO GRADE	ADJUST FRAME AND COVER TO GRADE	ADJUST FRAME AND GRATE TO GRADE	ADJUST GAS GATE BOX TO GRADE	ADJUST HANDHOLE TO GRADE	ADJUST SANITARY SEWER MANHOLE TO GRADE	ADJUST TELEPHONE MANHOLE TO GRADE	ADJUST WATER GATE BOX TO GRADE	BITUMINOUS CONCRETE DRIVEWAY	3" BITUMINOUS CONCRETE TYPE 1-2	8" GRAVEL BORROW SUBBASE COURSE	BUILD NEW STRUCTURE OVER EXISTING PIPE	CLEAN CATCH BASIN	CUT AND CAP PIPE WITH RESTRAINT (ALL SIZES)	CLEAN AND FLUSH PIPE	CLEARING AND GRUBBING	CLEAN MANHOLE	(DEPTH) COLD PLANE	CUT AND PLUG PIPE (ALL TYPES, ALL SIZES)	REMOVE AND DISPOSE BITUMINOUS CURB	REMOVE AND DISPOSE CONCRETE CURB	REMOVE AND DISPOSE CATCH BASIN	REMOVE AND DISPOSE DROP INLET	REMOVE AND DISPOSE FENCE	REMOVE AND DISPOSE FRAME AND COVER	REMOVE AND DISPOSE FLARED END SECTION	REMOVE AND DISPOSE FRAME AND GRATE	REMOVE AND DISPOSE FIRE HYDRANT	REMOVE AND DISPOSE FLEXIBLE PAVEMENT	REMOVE AND DISPOSE GUARDRAIL	REMOVE AND DISPOSE HEADWALL	REMOVE AND DISPOSE HIGHWAY BOUND	REMOVE AND DISPOSE HANDHOLE	REMOVE AND DISPOSE LIGHT AND FOUNDATION	REMOVE AND DISPOSE MEDIAN BARRIER	REMOVE AND DISPOSE MANHOLE	REMOVE AND DISPOSE MEDIAN MARKER	REMOVE AND DISPOSE OBSERVATION WELL	REMOVE AND DISPOSE PIPE	REMOVE AND DISPOSE PAVEMENT AND RIGID BASE	REMOVE AND DISPOSE RIGID BASE	REMOVE AND DISPOSE SIGN	REMOVE AND DISPOSE TRAFFIC SIGNAL SYSTEM	REMOVE AND DISPOSE SIDEWALK	REMOVE AND DISPOSE TELEPHONE DUCT BANKS	REMOVE AND DISPOSE UTILITY POLE	REMOVE AND DISPOSE PAVED WATERWAY	FILTER FABRIC RIPRAP FLARED END UNDERLAYMENT	FLARED GUARDRAIL END TREATMENT	IMPACT ATTENUATOR	IMPERVIOUS DITCH LINER	LIMIT OF DISTURBANCE	LIMIT OF REGRADING	4" LOAM AND SEED	NFH	NEW FIRE HYDRANT WITH GATE VALVE	NIC	NOT IN THIS CONSTRUCTION CONTRACT	NWB	FURNISH AND INSTALL NEW WATER GATE VALVE BOX	NWVB	FURNISH AND INSTALL NEW WATER GATE VALVE AND BOX	NWCB	FURNISH AND INSTALL NEW WATER CURB STOP BOX	NWSB	FURNISH AND INSTALL NEW WATER CURB STOP AND BOX	PCD	PERMANENT CHECK DAM	PS	4" PLANTABLE SOIL AND SEED	RCB	RECONSTRUCT TYPE "D" CATCH BASIN, TO CATCH BASIN WITH GUTTER INLET	RCM	R.I.D.O.T. COMMUNICATIONS MANHOLE	RHH	REMOVE, HANDLE, HAUL, TRIM, RESET CURB EDGING, STRAIGHT, CIRCULAR (ALL TYPES)	RLP	RELOCATE LAMP POST	RMB	RELOCATE MAILBOX (BY OTHERS)	RPM	REMOVE PAVEMENT MARKINGS	RRP	RIP-RAP PAD (SEE DETAIL)	RRS	REMOVE AND RELOCATE SIGN	RUP	RELOCATE UTILITY POLE (BY OTHERS)	SB	STONE BAFFLE	SBAE	STEEL BEAM BRIDGE CONNECTION APPROACH END (W/O NESTED RAIL)	SBTE	STEEL BEAM BRIDGE CONNECTION TRAILING END (W/NESTED RAIL)	SD	STRUCTURAL DISPOSITION - SEE CS PAGES OF SPECIFICATION	SF	REMOVE AND STOCKPILE FENCE	SGA	SPECIAL GRADED AGGREGATE	SGC	REMOVE AND STOCKPILE GRANITE CURB	SGR	REMOVE AND STOCKPILE GUARDRAIL	SH	REMOVE AND STOCKPILE HYDRANT	SS	REMOVE AND STOCKPILE SIGN	STS	REMOVE AND STOCKPILE TRAFFIC SIGNAL SYSTEM	TB	CONCRETE THRUST BLOCK	TEP	TIE EXISTING PIPE INTO NEW STRUCTURE	TNP	TIE NEW PIPE INTO EXISTING STRUCTURE	TBT	THRIE BEAM TRANSITION	TBBC	THRIE BEAM BRIDGE CONNECTION	TT	TREE TRIMMING	WCM	4" WOOD CHIP MULCH	4DY	4" EPOXY RESIN PAVEMENT MARKINGS - DOUBLE YELLOW	6W	6" EPOXY RESIN PAVEMENT MARKINGS - WHITE	12W	12" EPOXY RESIN PAVEMENT MARKINGS - WHITE	6WT	6" PREFORMED PATTERNED MARKING (HIGH PERFORMANCE TAPE)	4Y	4" EPOXY RESIN PAVEMENT MARKINGS - YELLOW	6Y	6" EPOXY RESIN PAVEMENT MARKINGS - YELLOW	P.G.L.	PROFILE GRADE LINE
EDGE OF PAVEMENT	EDGE OF PAVEMENT	UNDERDRAIN	CONCRETE CONNECTING COLLAR	CONCRETE HEADWALLS FOR PIPE CULVERTS	STANDARD HEADWALLS FOR MULTIPLE 3'-6" TO 7'-0" PIPE CULVERTS	PRECAST CONCRETE FLARED END SECTION	BRICK/SOLID BLOCK 4'-0" ROUND MANHOLE	BRICK/SOLID BLOCK 5'-0" OR 6'-0" ROUND MANHOLE	BRICK/SOLID BLOCK TYPE "D" SQUARE CATCH BASIN	BRICK/SOLID BLOCK TYPE "F" SQUARE CATCH BASIN	SOLID BLOCK FLUSH SQUARE CATCH BASIN	BRICK/SOLID BLOCK TYPE "D" ROUND CATCH BASIN	BRICK/SOLID BLOCK ROUND CATCH BASIN WITH GUTTER INLET	BRICK/SOLID BLOCK TYPE "F" ROUND CATCH BASIN	BRICK/SOLID BLOCK TYPE "R" CATCH BASIN	SOLID BLOCK FLUSH ROUND CATCH BASIN	BRICK/SOLID BLOCK 5'-0" OR 6'-0" ROUND CATCH BASIN	SOLID BLOCK SHALLOW TYPE "F" SQUARE CATCH BASIN	SOLID BLOCK SHALLOW 5'-0" OR 6'-0" SQUARE CATCH BASIN	BRICK/SOLID BLOCK DROP INLET	BRICK/SOLID BLOCK ROUND MANHOLE OR CATCH BASIN GREATER THAN 12'-0"	PRECAST 4'-0" ROUND MANHOLE	PRECAST 5'-0" ROUND MANHOLE	PRECAST 6'-0" ROUND MANHOLE	PRECAST 4'-0" OR 6'-0" SQUARE MANHOLE OR CATCH BASIN	PRECAST 4'-0", 5'-0", OR 6'-0" ROUND CATCH BASIN	PRECAST CONCRETE DROP INLET	PRECAST CONCRETE DROP INLET LATERAL OUTLET	PRECAST CONCRETE DROP INLET LONGITUDINAL OUTLET	CATCH BASIN AND MANHOLE STEP	CONCRETE COLLARS	LIGHT-DUTY SQUARE FRAME AND ROUND COVER	HEAVY DUTY SQUARE FRAME AND ROUND COVER	LIGHT-DUTY ROUND FRAME AND COVER	HEAVY-DUTY ROUND FRAME AND COVER	SQUARE FRAME AND GRATE	SQUARE FRAME AND GRATE	SQUARE FRAME AND GRATE (BICYCLE SAFE)	HIGH CAPACITY FRAME AND GRATE	HIGH CAPACITY FRAME AND GRATE (BICYCLE SAFE)	ROUND FRAME AND GRATE	PRECAST CONCRETE CURB (STRAIGHT)	PRECAST CONCRETE CURB (CIRCULAR)	3'-0' PRECAST CONCRETE TRANSITION CURB	6'-0" PRECAST CONCRETE TRANSITION CURB	PRECAST 2'-0" RADIUS CORNER	PRECAST CONCRETE INLET STONE (FOR SQUARE CATCH BASIN)	PRECAST CONCRETE INLET STONE (FOR ROUND CATCH BASIN)	PRECAST CONCRETE APRON STONE (FOR SQUARE CATCH BASIN)	PRECAST CONCRETE APRON STONE (FOR ROUND CATCH BASIN)	PRECAST CONCRETE SLOPED FACE CURB (STRAIGHT)	PRECAST CONCRETE SLOPED FACE CURB (CIRCULAR)	PRECAST CONCRETE SLOPED FACE TRANSITION CURB	PRECAST CONCRETE TRANSITION CURB (VERTICAL FACE TO SLOPED FACE)	GRANITE CURB (STRAIGHT)	GRANITE CURB (CIRCULAR)	3'-0" GRANITE TRANSITION CURB	6'-0" GRANITE TRANSITION CURB	GRANITE WHEELCHAIR RAMP TRANSITION CURB	GRANITE 2'-0" RADIUS CORNER	GRANITE INLET STONE (FOR SQUARE CATCH BASIN)	GRANITE INLET STONE (FOR ROUND CATCH BASIN)	GRANITE APRON STONE (FOR SQUARE CATCH BASIN)	GRANITE APRON STONE (FOR ROUND CATCH BASIN)	GRANITE SLOPED FACE CURB	GRANITE SLOPED FACE TRANSITION CURB	GRANITE TRANSITION CURB (VERTICAL FACE TO SLOPE FACE)	BITUMINOUS CONCRETE LIP CURB	BITUMINOUS BERM (CONSTRUCTION METHOD A)	BITUMINOUS BERM (CONSTRUCTION METHOD B)	CURB SETTING DETAIL	BITUMINOUS CONCRETE DITCH	RIP-RAP DITCH	PAVED WATERWAY	BALED HAY EROSION CHECK	BALED HAY DITCH EROSION CHECK AND SILT FENCE COMBINED	BALED HAY DITCH AND SWALE EROSION CHECK	LOG AND HAY CHECK DAM	DEWATERING BASIN	BALED HAY CATCH BASIN INLET PROTECTION	CONSTRUCTION ACCESS	WET STONE MASONRY RETAINING WALL	RUBBLE MASONRY WALL	CONCRETE RETAINING WALL	STONE MASONRY STEPS	CONCRETE HIGHWAY BOUND	POST AND MOUNTINGS FOR RURAL MAILBOX	POST AND MULTIPLE MOUNTINGS FOR RURAL MAILBOXES	PRECAST TYPE "A" HANDHOLE	HEAVY DUTY TYPE "H" HANDHOLE	ALUMINUM LIGHTING STANDARDS	BI-DIRECTIONAL CONTROL DEVICE	STREET SIGN MOUNTING DETAIL	POLYETHYLENE DRUM WITH MARKINGS	PVC PLASTIC PIPE TYPE III BARRICADE	CHAIN LINK FENCE 3'-0" TO 4'-0"	CHAIN LINK FENCE 5'-0" TO 6'-0"	CHAIN LINK FENCE 5'-0" TO 6'-0" INTERMEDIATE POST	WOVEN WIRE RIGHT-OF-WAY FENCE (STEEL POST)	TYPICAL GUARDRAIL INSTALLATION	STEEL BEAM GUARDRAIL	STEEL BEAM GUARDRAIL DETAILS	STEEL BEAM GUARDRAIL DOUBLE FACED ASSEMBLY	STEEL BEAM GUARDRAIL FIXTURES	STEEL BEAM GUARDRAIL REFLECTORIZED TRIANGULAR DELINEATOR	GUARDRAIL END SECTION	TERMINAL END SECTION (SINGLE FACE)	ANCHORAGE DETAILS APPROACH END SECTION	ANCHORAGE DETAILS TRAILING END SECTION	STEEL BACKED TIMBER GUARDRAIL	STEEL BACKED TIMBER GUARDRAIL TERMINAL SECTION-TYPE 1	DOUBLE-FACED PRECAST MEDIAN BARRIER	SINGLE-FACED PRECAST MEDIAN BARRIER	SINGLE-FACED PRECAST MEDIAN BARRIER	PRECAST MEDIAN BARRIER TRANSITION UNIT	PRECAST MEDIAN BARRIER FOR TEMPORARY TRAFFIC CONTROL	CEMENT CONCRETE SIDEWALK	BITUMINOUS CONCRETE SIDEWALK	WHEELCHAIR RAMP	WHEELCHAIR RAMP FOR LIMITED RIGHT-OF-WAY AREAS	DRIVEWAY DEVELOPMENT FOR 3'-0" TRANSITION CURB	DRIVEWAY DEVELOPMENT FOR 6'-0" TRANSITION CURB	CEMENT CONCRETE DRIVEWAYS	DETECTABLE WARNING SYSTEM	TREE PROTECTION DEVICE	DRIP LINE TREE PROTECTION DEVICE FOR EXISTING TREES	SHRUB PROTECTION DEVICE	TREE WELL	TREE WALL	ADJUST CATCH BASIN TO GRADE	ADJUST CATCH BASIN TO MANHOLE	ADJUST CURB STOP TO GRADE	ADJUST DRAINAGE MANHOLE TO GRADE	ADJUST ELECTRIC MANHOLE TO GRADE	ADJUST FRAME AND COVER TO GRADE	ADJUST FRAME AND GRATE TO GRADE	ADJUST GAS GATE BOX TO GRADE	ADJUST HANDHOLE TO GRADE	ADJUST SANITARY SEWER MANHOLE TO GRADE	ADJUST TELEPHONE MANHOLE TO GRADE	ADJUST WATER GATE BOX TO GRADE	BITUMINOUS CONCRETE DRIVEWAY	3" BITUMINOUS CONCRETE TYPE 1-2	8" GRAVEL BORROW SUBBASE COURSE	BUILD NEW STRUCTURE OVER EXISTING PIPE	CLEAN CATCH BASIN	CUT AND CAP PIPE WITH RESTRAINT (ALL SIZES)	CLEAN AND FLUSH PIPE	CLEARING AND GRUBBING	CLEAN MANHOLE	(DEPTH) COLD PLANE	CUT AND PLUG PIPE (ALL TYPES, ALL SIZES)	REMOVE AND DISPOSE BITUMINOUS CURB	REMOVE AND DISPOSE CONCRETE CURB	REMOVE AND DISPOSE CATCH BASIN	REMOVE AND DISPOSE DROP INLET	REMOVE AND DISPOSE FENCE	REMOVE AND DISPOSE FRAME AND COVER	REMOVE AND DISPOSE FLARED END SECTION	REMOVE AND DISPOSE FRAME AND GRATE	REMOVE AND DISPOSE FIRE HYDRANT	REMOVE AND DISPOSE FLEXIBLE PAVEMENT	REMOVE AND DISPOSE GUARDRAIL	REMOVE AND DISPOSE HEADWALL	REMOVE AND DISPOSE HIGHWAY BOUND	REMOVE AND DISPOSE HANDHOLE	REMOVE AND DISPOSE LIGHT AND FOUNDATION	REMOVE AND DISPOSE MEDIAN BARRIER	REMOVE AND DISPOSE MANHOLE	REMOVE AND DISPOSE MEDIAN MARKER	REMOVE AND DISPOSE OBSERVATION WELL	REMOVE AND DISPOSE PIPE	REMOVE AND DISPOSE PAVEMENT AND RIGID BASE	REMOVE AND DISPOSE RIGID BASE	REMOVE AND DISPOSE SIGN	REMOVE AND DISPOSE TRAFFIC SIGNAL SYSTEM	REMOVE AND DISPOSE SIDEWALK	REMOVE AND DISPOSE TELEPHONE DUCT BANKS	REMOVE AND DISPOSE UTILITY POLE	REMOVE AND DISPOSE PAVED WATERWAY	FILTER FABRIC RIPRAP FLARED END UNDERLAYMENT	FLARED GUARDRAIL END TREATMENT	IMPACT ATTENUATOR	IMPERVIOUS DITCH LINER	LIMIT OF DISTURBANCE	LIMIT OF REGRADING	4" LOAM AND SEED	NEW FIRE HYDRANT WITH GATE VALVE	NOT IN THIS CONSTRUCTION CONTRACT	FURNISH AND INSTALL NEW WATER GATE VALVE BOX	FURNISH AND INSTALL NEW WATER GATE VALVE AND BOX	FURNISH AND INSTALL NEW WATER CURB STOP BOX	FURNISH AND INSTALL NEW WATER CURB STOP AND BOX	PERMANENT CHECK DAM	4" PLANTABLE SOIL AND SEED	RECONSTRUCT TYPE "D" CATCH BASIN, TO CATCH BASIN WITH GUTTER INLET	R.I.D.O.T. COMMUNICATIONS MANHOLE	REMOVE, HANDLE, HAUL, TRIM, RESET CURB EDGING, STRAIGHT, CIRCULAR (ALL TYPES)	RELOCATE LAMP POST	RELOCATE MAILBOX (BY OTHERS)	REMOVE PAVEMENT MARKINGS	RIP-RAP PAD (SEE DETAIL)	REMOVE AND RELOCATE SIGN	RELOCATE UTILITY POLE (BY OTHERS)	STONE BAFFLE	STEEL BEAM BRIDGE CONNECTION APPROACH END (W/O NESTED RAIL)	STEEL BEAM BRIDGE CONNECTION TRAILING END (W/NESTED RAIL)	STRUCTURAL DISPOSITION - SEE CS PAGES OF SPECIFICATION	REMOVE AND STOCKPILE FENCE	SPECIAL GRADED AGGREGATE	REMOVE AND STOCKPILE GRANITE CURB	REMOVE AND STOCKPILE GUARDRAIL	REMOVE AND STOCKPILE HYDRANT	REMOVE AND STOCKPILE SIGN	REMOVE AND STOCKPILE TRAFFIC SIGNAL SYSTEM	CONCRETE THRUST BLOCK	TIE EXISTING PIPE INTO NEW STRUCTURE	TIE NEW PIPE INTO EXISTING STRUCTURE	THRIE BEAM TRANSITION	THRIE BEAM BRIDGE CONNECTION	TREE TRIMMING	4" WOOD CHIP MULCH	4" EPOXY RESIN PAVEMENT MARKINGS - DOUBLE YELLOW	6" EPOXY RESIN PAVEMENT MARKINGS - WHITE	12" EPOXY RESIN PAVEMENT MARKINGS - WHITE	6" PREFORMED PATTERNED MARKING (HIGH PERFORMANCE TAPE)	4" EPOXY RESIN PAVEMENT MARKINGS - YELLOW	6" EPOXY RESIN PAVEMENT MARKINGS - YELLOW	PROFILE GRADE LINE																																																																																																				

EXISTING

NEW



BID NUMBER	SHEET NO.	TOTAL SHEETS
x	3	36

GENERAL NOTES:

- ANY DAMAGE TO EXISTING PAVEMENT, BRIDGES, CONDUIT, SIDEWALK, FENCES, ETC., CAUSED BY THE CONTRACTOR SHALL BE REPAIRED BY THE CONTRACTOR AT NO ADDITIONAL COST TO THE STATE.
- THE CONTRACTOR SHALL PLACE ALL EQUIPMENT AND MATERIAL AS FAR AWAY AS POSSIBLE FROM THE EDGE OF THE TRAVEL LANE SO AS NOT TO CAUSE A SAFETY HAZARD, IN ACCORDANCE WITH SECTION 106.06 OF THE R.I.D.O.T. STANDARD SPECIFICATION, LATEST EDITION.
- IT IS THE CONTRACTOR'S RESPONSIBILITY TO ENSURE THAT THE EXISTING CONDITIONS ARE NOT OBLITERATED BEFORE CONTROL POINTS ARE LOCATED AND CONSTRUCTION LAYOUT IS ESTABLISHED. THE CONSTRUCTION LAYOUT SHALL BE PROVIDED IN SUFFICIENT DETAIL, THEREBY ENABLING HIM TO CONSTRUCT THE PROJECT IN CONFORMITY WITH THE PLANS AND SPECIFICATIONS. SURVEY WILL BE PROVIDED BY THE CONTRACTOR. THE RESIDENT ENGINEER WILL NOT AUTHORIZE CONSTRUCTION ACTIVITIES TO BEGIN UNTIL HE IS SATISFIED THAT ALL GROUND CONTROL HAS BEEN ESTABLISHED, TIED DOWN, AND DULY RECORDED IN STANDARD FIELD BOOKS.
- ALL R.I. STD. 9.9.0 CONSTRUCTION ACCESS ROADS SHALL BE CONSTRUCTED PRIOR TO ANY ROADWAY ACCEPTING CONSTRUCTION TRAFFIC.
- THE FREQUENCY AND APPLICATION RATES FOR THE DUST CONTROL ITEMS WILL BE AS DIRECTED BY THE ENGINEER.
- ALL SIDEWALK AND DRIVEWAYS DESIGNATED FOR REPLACEMENT SHALL BE CUT AND MATCHED AT LOCATIONS SHOWN ON THE PLANS OR AS DIRECTED BY THE ENGINEER.
- ASPHALT EMULSION TACK COAT SHALL BE PLACED PRIOR TO PAVEMENT PLACEMENT ON THE CONCRETE BASE OR COLD PLAINED PAVEMENT, AND ON ANY NEW COURSE WHICH HAS BEEN OPEN TO TRAFFIC, OR ANY NEW COURSE WHICH HAS BEEN EXPOSED FOR MORE THAN 3 DAYS, AND/OR AS DIRECTED BY THE ENGINEER. IT SHALL ALSO BE APPLIED TO VERTICAL PAVEMENT FACES BETWEEN ADJOINING PAVEMENT SECTIONS. ALL APPLICATIONS ON BOTH HORIZONTAL AND VERTICAL SURFACES SHALL BE PAID FOR UNDER THE CONTRACT UNIT BID PRICE FOR CODE 403.0300 "ASPHALT EMULSION TACK COAT."
- THE LIMITS OF CLEARING AND SURFACE DISTURBANCE MUST BE STRICTLY ADHERED TO IN ALL AREAS. IN ADDITION TO THOSE AREAS SPECIFICALLY DESIGNATED ON THE PLANS, THE CONTRACTOR WILL BE RESPONSIBLE FOR PROVIDING AND PLACING, AT HIS OWN EXPENSE, PLANTABLE SOIL AND SEED IN AREAS WHICH ARE OUTSIDE OF THE PROJECT'S AREAS OF DISTURBANCE AND WHICH ARE IMPACTED BY CONSTRUCTION OPERATIONS INCLUDING THOSE AREAS WHERE VEHICLES, EQUIPMENT AND MATERIALS ARE STORED WITH THE PERMISSION OF THE ENGINEER.
- UNDER NO CIRCUMSTANCE WILL THE CONTRACTOR BE ALLOWED TO STOCKPILE REMOVED PAVEMENT MATERIALS WITHIN THE PROJECT LIMITS.
- CLEANING AND SWEEPING OF PAVEMENT WILL INCLUDE REMOVAL OF ALL PAVEMENT DEBRIS PRIOR TO THE PLACEMENT OF EACH BITUMINOUS PAVEMENT LIFT. ALL CLEANING AND SWEEPING SHALL BE DONE TO THE SATISFACTION OF THE ENGINEER.
- PRIOR TO INSTALLATION, ALL SIGNS, MOUNTINGS AND LOCATIONS SHALL BE APPROVED OR MODIFIED BY THE ENGINEER.
- THE COORDINATE SYSTEM, IF SHOWN, IS THE RHODE ISLAND STATE PLANE COORDINATE SYSTEM.
- PAVEMENT OPERATIONS FOR CURBED SECTIONS: IN AREAS WHERE CURBING IS SET TO FINISH LINE AND GRADE, THE CONTRACTOR WILL NOT BE REQUIRED TO UTILIZE THE SENSOR AND SKY-TYPE DEVICE FOR AUTOMATIC GRADE CONTROL, BUT WILL BE ALLOWED TO MANUALLY ADJUST THE BITUMINOUS PAVER FOR CONTROLLING GRADE.
- THE CONTRACTOR SHALL BE RESPONSIBLE FOR MAINTAINING ALL ROADWAYS FREE OF DEBRIS RESULTING FROM THEIR CONSTRUCTION OPERATIONS. ALL DEBRIS SHALL BE REMOVED TO THE SATISFACTION OF THE ENGINEER AT NO ADDITIONAL COST TO THE STATE.
- NO FUEL STORAGE, VEHICLE REFUELING, OR EQUIPMENT STORAGE SHALL TAKE PLACE IN DESIGNATED WETLANDS, NOR WITHIN 100' OF ANY WATER BODY. THIS REQUIREMENT SHALL NOT SUPERSEDE ANY FEDERAL, STATE OR LOCAL LAW, ORDINANCE, RULE OR REGULATION THAT APPLIES TO THE SAME, UNLESS THIS REQUIREMENT IS MORE STRINGENT THAN SAID LAW, ORDINANCE, RULE OR REGULATION.
- THE CONTRACTOR SHALL BE RESPONSIBLE TO ENSURE THAT AT THE END OF FINAL PAVING OPERATIONS, FLOW TO EXISTING DRAINAGE STRUCTURES HAS BEEN REESTABLISHED AND THAT NO ISOLATED DEPRESSIONS REMAIN. THERE SHALL BE NO SEPARATE PAYMENT FOR THIS PROVISION; IT SHALL BE CONSIDERED INCIDENTAL TO PAVING AND COLD PLANING OPERATIONS.
- ALL EMBANKMENTS SHALL BE PLACED IN HORIZONTAL LAYERS NOT EXCEEDING 12" (AFTER COMPACTION) AND SHALL BE COMPACTED AS SPECIFIED BEFORE THE NEXT LAYER IS PLACED. ALSO, EMBANKMENT CONSTRUCTION SHALL CONFORM TO SECTION 202.03.2 OF THE R.I.D.O.T. STANDARD SPECIFICATIONS, LATEST EDITION.
- IF THIS PROJECT IS ON A HURRICANE EVACUATION AND DIVERSIONARY ROUTE, AS DESIGNATED ON THE COVERSHEET, THE CONTRACTOR IS ADVISED THAT UPON 12 (TWELVE) HOURS NOTICE THE ROADWAY SHALL BE OPEN TO EVACUEES AND EMERGENCY PERSONNEL. ANY EXTRA WORK NECESSARY TO COMPLY WITH THIS REQUIREMENT WILL BE REIMBURSED UNDER FORCE ACCOUNT PROCEDURES.
- THE CONTRACTOR SHALL READ, BECOME FAMILIAR WITH, AND ADHERE TO ALL OF THE PROVISIONS, CONDITIONS, AND STIPULATIONS STATED IN THE ENVIRONMENTAL APPROVALS ISSUED FOR THE PROJECT FROM THE DEPARTMENT OF ENVIRONMENTAL MANAGEMENT (RIDEM). AND/OR THE ARMY CORPS OF ENGINEERS (ACOE). AND/OR THE COASTAL RESOURCES MANAGEMENT COUNCIL (CRMC). COPIES OF EACH OF THESE PERMITS ARE INCLUDED IN THE CS PAGES OF THE CONTRACT DOCUMENTS. ALL COSTS ASSOCIATED WITH THESE CONDITIONS SHALL BE CONSIDERED INCIDENTAL TO THE CONSTRUCTION AND INCLUDED WITH THE COST FOR THE ASSOCIATED BID ITEM(S).
- FOR ALL PROJECTS INVOLVING KNOWN SITE REMEDIATION ISSUES, THE CONTRACTOR SHALL READ, BECOME FAMILIAR WITH, AND ADHERE TO ALL OF THE CONSTRUCTION RELATED PROVISIONS, CONDITIONS, AND STIPULATIONS OF ANY REMEDIAL PLANS DEVELOPED FOR THE PROJECT. COPIES OF THESE DOCUMENTS ARE INCLUDED IN THE CS PAGES OF THE CONTRACT DOCUMENTS. ALL COSTS ASSOCIATED WITH COMPLIANCE WITH THESE DOCUMENTS SHALL BE CONSIDERED INCIDENTAL TO THE CONSTRUCTION AND INCLUDED WITH THE COST FOR THE ASSOCIATED BID ITEM(S).
- NO UNPROTECTED CONSTRUCTED FEATURE MAY PROJECT MORE THAN 4 INCHES ABOVE THE FINISHED GRADE OF A TRAVERSABLE SLOPE IN A CLEAR ZONE, e.g. HEADWALL, DRAINAGE INLET, ETC.
- THE REMAINING SECTION OR STUB OF A BREAKAWAY BASE MAY NOT PROJECT MORE THAN 4 INCHES ABOVE THE FINISHED GRADE OF A TRAVERSABLE SLOPE IN A CLEAR ZONE, e.g. SIGN POSTS, LIGHT POLES, FIRE HYDRANTS, ETC.

DRAINAGE AND EROSION CONTROL NOTES:

- FOR ALL PROJECTS WITH AT LEAST ONE(1) ACRE OF SOIL DISTURBANCE. R.I.D.O.T. IS REQUIRED TO DEVELOP AND ENFORCE A SITE SPECIFIC STORM WATER POLLUTION PREVENTION PLAN (SWPPP) IN ORDER TO REMAIN IN COMPLIANCE WITH THE RIDDES GENERAL PERMIT FOR STORMWATER DISCHARGES ASSOCIATED WITH CONSTRUCTION ACTIVITIES. THE CONTRACTOR SHALL READ, BECOME FAMILIAR WITH, AND ADHERE TO ALL OF THE PROVISIONS, CONDITIONS, AND STIPULATIONS OF THE GENERAL PERMIT AND THE SITE SPECIFIC SWPPP FOR THIS PROJECT. COPIES OF THESE DOCUMENTS ARE INCLUDED IN THE CS PAGES OF THE CONTRACT DOCUMENTS. ALL COSTS ASSOCIATED WITH ADHERENCE TO THE SWPPP SHALL BE CONSIDERED INCIDENTAL TO THE CONSTRUCTION AND INCLUDED WITH THE COST FOR THE ASSOCIATED BID ITEM(S).
- NO UNDISTURBED AREAS SHALL BE CLEARED OF EXISTING VEGETATION AFTER OCTOBER 15 OF ANY CALENDAR YEAR OR DURING ANY PERIOD OF FULL OR LIMITED WINTER SHUTDOWN. ALL DISTURBED SOILS EXPOSED PRIOR TO OCTOBER 15 OF ANY CALENDAR YEAR SHALL BE SEEDED OR PROTECTED BY THAT DATE. ANY SUCH AREAS THAT DO NOT HAVE ADEQUATE VEGETATIVE STABILIZATION, AS DETERMINED BY THE RESIDENT ENGINEER OR ENVIRONMENTAL INSPECTOR, BY NOVEMBER 15 OF ANY CALENDAR YEAR, MUST BE STABILIZED THROUGH THE USE OF EROSION CONTROL MATTING OR HAY MULCH, IN ACCORDANCE WITH SPECIFICATIONS CONTAINED WITHIN THE R.I. SOIL EROSION AND SEDIMENT CONTROL HANDBOOK. IF WORK CONTINUES WITHIN ANY OF THESE AREAS DURING THE PERIOD FROM OCTOBER 15 THROUGH APRIL 15, CARE MUST BE TAKEN TO ENSURE THAT ONLY THE AREA REQUIRED FOR THAT DAY'S WORK IS EXPOSED, AND ALL ERODIBLE SOIL MUST BE REESTABLISHED WITHIN 5 WORKING DAYS. ANY WORK TO CORRECT PROBLEMS RESULTING FROM FAILURE TO COMPLY WITH THIS PROVISION SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR. THERE WILL BE NO SEPARATE PAYMENT FOR THIS PROVISION, IT SHALL BE CONSIDERED INCIDENTAL TO CONSTRUCTION OPERATIONS. STABILIZATION OF ONE FORM OR ANOTHER AS DESCRIBED ABOVE SHALL BE ACHIEVED WITHIN 2 WEEKS OF FINAL GRADING.
- STOCKPILES OF MATERIAL SHALL NOT BE LOCATED WITHIN REGULATED WETLANDS OR BUFFER ZONE AREAS. THEY SHALL HAVE SIDE SLOPES NO GREATER THAN 30% AND STOCKPILES OF ERODABLE MATERIAL SHALL ALSO BE SEEDED AND RINGED WITH R.I. STD. 9.1.0 TO STABILIZE.
- IF THE PLANS INCLUDE SPECIFIC AREAS FOR PLACEMENT OF CONSTRUCTION DEWATERING BASINS AND/OR EQUIPMENT AND MATERIALS STORAGE AND STOCKPILING, AND IF THE CONTRACTOR ELECTS TO UTILIZE ANY OTHER AREAS FOR THESE PURPOSES, THIS SHALL BE APPROVED BY THE ENGINEER ONLY AFTER OBTAINING ANY NECESSARY PERMITS AND/OR PERMIT MODIFICATIONS FROM THE APPROPRIATE REGULATORY AUTHORITY(IES). ANY PERMITTING REQUIREMENTS SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR AND SHALL BE ACCOMPLISHED AT NO COST TO THE STATE. THE ENGINEER WILL COORDINATE SUBMISSION OF ANY REQUIRED PERMIT APPLICATION MATERIALS WITH THE R.I.D.O.T. OFFICE OF ENVIRONMENTAL PROGRAMS.
- JUTE MESH SHALL BE USED TO STABILIZE PLANTABLE SOIL AND/OR LOAM IN ALL DITCHES, ON ALL SLOPES ADJACENT TO WETLANDS AND WETLAND PERIMETERS, AND ON ALL SLOPES WITHIN WATER QUALITY BASINS. JUTE MESH IN DITCHES SHALL EXTEND TO AN ELEVATION 2 FEET ABOVE THE BOTTOM OF THE DITCH.
- SEEDING ON ALL SLOPES 3 TO 1 OR STEEPER SHALL CONSIST OF THE FOLLOWING APPLICATIONS UNLESS CHANGED IN THE CONTRACT.
 - SEEDING TYPE I.
 - ADHESIVE MULCH STABILIZER
- UNVEGETATED SLOPES SHALL NOT BE UNATTENDED OR EXPOSED FOR PERIODS IN EXCESS OF 2 WEEKS OR THROUGH THE INACTIVE WINTER SEASON.
- PRIOR TO DRAINAGE AND UTILITY CONSTRUCTION, THE CONTRACTOR IS RESPONSIBLE FOR VERIFYING THE LOCATION (HORIZONTAL AND VERTICAL) OF ALL EXISTING PIPES AND/OR STRUCTURES WHICH ARE TO BE CONNECTED. ANY VARIATION FOUND FROM THE PLANS MUST BE BROUGHT TO THE ENGINEER'S ATTENTION PRIOR TO DRAINAGE AND UTILITY CONSTRUCTION. WORK CAN COMMENCE ONLY UPON THE ENGINEER'S AUTHORIZATION.
- ALL DRAINAGE AND UTILITY STRUCTURES WITHIN THE PAVED ROADWAY SHALL BE ADJUSTED TO GRADE WITH THE SURROUNDING PAVEMENT PRIOR TO THE WINTER SHUTDOWN.
- DURING CONSTRUCTION, THE CONTRACTOR SHALL BE RESPONSIBLE FOR MAINTAINING DRAINAGE AND RUNOFF FLOW DURING STORMS AND PERIODS OF RAINFALL THROUGHOUT THE WORK AREA.
- CATCH BASIN RIM GRADES NOTED ON PLANS ARE DEPRESSED 0.1' LOWER THAN THE GUTTER GRADE. RIM ELEVATIONS SHOWN ARE FINAL GRADES. THE CONTRACTOR SHALL PLACE FRAMES AND GRATES 0.1' BELOW THE GRADE CONSTRUCTED IN THIS CONTRACT OR AS DIRECTED BY THE ENGINEER.
- PROVISIONS FOR CLEARING TO ACCESS OUTFALLS DURING THE CLEANING AND FLUSHING OF THE CLOSED DRAINAGE SYSTEM SHALL BE KEPT TO A MINIMUM.
 - ANY VEGETATIVE CLEARING SHALL BE LIMITED TO BRUSH AND TREES LESS THAN 3" DIAMETER.
 - NO HEAVY EQUIPMENT MAY ENCRONCH UPON VEGETATED PERIMETER OR RIVERBANK WETLANDS AS WELL AS BIOLOGICAL WETLANDS.
- THE CONTRACTOR SHALL INSTALL ALL EROSION CONTROL DEVICES FOR OUTLET PROTECTION PRIOR TO CLEANING AND FLUSHING STORM WATER DRAINAGE. EROSION CONTROL DEVICES SHALL REMAIN IN PLACE UNTIL ALL FLUSHED SEDIMENTS ARE REMOVED. AT ALL OUTFALL LOCATIONS WHERE PIPES ARE TO BE CLEANED AND FLUSHED, OUTLET PROTECTION (R.I. STD. 9.1.0 OR 9.3.0) SHALL BE INSTALLED TO TRAP SEDIMENTS. THESE SEDIMENTS SHALL THEN BE REMOVED AND DISPOSED OF LEGALLY BEFORE THE OUTLET PROTECTION DEVICES ARE REMOVED. IF OUTLET PROTECTION AT THE OUTFALL IS NOT FEASIBLE, THEN THE OUTLET PIPE OF THE LAST DRAINAGE STRUCTURE TO BE CLEANED SHALL BE PLUGGED TO CAPTURE ALL MATERIALS FLUSHED FROM PIPES. AFTER THE MATERIALS ARE REMOVED FROM THE DRAINAGE STRUCTURE, THE OUTLET SHALL BE UNPLUGGED TO RESUME NORMAL FUNCTIONING.
- R.I. STD. 9.8.0 BALED HAY INLET PROTECTION SHALL BE INSTALLED AT ALL CATCH BASINS AND INLETS WHENEVER SUBBASE IS EXPOSED, AND SHALL REMAIN IN PLACE UNTIL THE ABUTTING GROUND SURFACES ARE STABILIZED.
- WHERE BALED HAY INLET PROTECTION AND SILT FENCES ARE USED AT CATCH BASINS, THEY SHALL BE REMOVED AT THE END OF THE PROJECT OR AS DIRECTED BY THE ENGINEER IN ORDER TO PREVENT CLOGGING OF THE INLET.

DRAINAGE AND EROSION CONTROL NOTES (CONTINUED):

- DETENTION AND RETENTION BASINS MAY BE ROUGH GRADED AND STABILIZED WITH VEGETATION AND/OR OTHER EROSION CONTROL MEASURES AS REQUIRED BY THE ENGINEER PRIOR TO USE AS TEMPORARY SEDIMENTATION BASINS DURING PROJECT CONSTRUCTION. FINAL BASIN CONSTRUCTION SHALL NOT COMMENCE UNTIL ALL SOURCES OF SEDIMENT HAVE BEEN ELIMINATED. FINAL ROADSIDE VEGETATION IS ESTABLISHED AND USE OF TEMPORARY BASINS IS NO LONGER REQUIRED AS DIRECTED BY THE ENGINEER. ANY ISSUES RELATING TO EROSION AND/OR SEDIMENT TRANSPORT INTO WETLAND AREAS RESULTING FROM SUCH USE OF SEDIMENTATION BASINS DURING CONSTRUCTION SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR. ANY CORRECTIVE ACTION REQUIRED TO RESOLVE SUCH ISSUES SHALL BE COMPLETED BY THE CONTRACTOR.
- THE TOE OF ANY FILL SLOPE IS TO REMAIN AT LEAST 1' INSIDE OF ALL EROSION CONTROLS. UNDER NO CIRCUMSTANCES SHALL THE CONTRACTOR COVER ANY PORTION OF THE EROSION CONTROL MEASURES WITH MATERIAL. ANY MATERIAL THAT IS PLACED ON ANY EROSION CONTROLS BY THE CONTRACTOR, OR ANY AGENT OF THE CONTRACTOR, SHALL BE IMMEDIATELY REMOVED BY THE CONTRACTOR, AND ANY NECESSARY REPAIRS TO THE EROSION CONTROLS ACCOMPLISHED.
- PRIOR TO COMMENCING CONSTRUCTION ACTIVITIES, EROSION AND SEDIMENTATION CONTROLS SHALL BE INSTALLED AT THOSE AREAS INDICATED ON THE PLANS. CLEARING MAY OCCUR PRIOR TO INSTALLATION OF SUCH CONTROLS, HOWEVER NO GRUBBING, GRADING, FILLING, OR OTHER SOIL DISTURBANCE SHALL OCCUR PRIOR TO INSTALLATION. THE LIMITS OF CLEARING AND SURFACE DISTURBANCE MUST BE STRICTLY ADHERED TO IN ALL AREAS.
- UNTIL HAY BALES, SILT FENCE OR TEMPORARY PROTECTION SHALL REMAIN IN PLACE UNTIL AN ACCEPTABLE STAND OF GRASS IS ESTABLISHED. IF NEEDED, TEMPORARY SEEDING CAN HELP TO MINIMIZE EROSION. TEMPORARY SEED WILL CONFORM TO R.I.D.O.T. STANDARD TEMPORARY SEED MIX.
- THE CONTRACTOR MUST REPAIR AND/OR RESEED ANY AREAS THAT DO NOT DEVELOP WITHIN THE PERIOD OF ONE YEAR AND HE SHALL DO SO AT NO ADDITIONAL EXPENSE TO THE STATE.
- THE NORMAL ACCEPTABLE SEASONAL SEEDING DATES ARE SPECIFIED IN SUBSECTION L.02.03 OF THE R.I.D.O.T. STANDARD SPECIFICATIONS, LATEST EDITION.
- ADDITIONAL EROSION CONTROLS, SHALL BE INSTALLED AS DIRECTED BY THE RESIDENT ENGINEER. THESE ADDITIONAL ITEMS WILL BE PAID AT THE UNIT PRICE FOR THAT BID ITEM.

UTILITY NOTES:

- EXISTING UTILITIES HAVE BEEN SHOWN ON THE PLANS USING THE BEST AVAILABLE INFORMATION AND ARE APPROXIMATE. BUILDING SERVICE CONNECTIONS (ELECTRIC, GAS, TELEPHONE, WATER AND SANITARY) ARE NOT SHOWN. CONTRACTOR IS TO ASSUME SERVICES ARE PRESENT TO ALL BUILDINGS.
- THE CONTRACTOR SHALL VERIFY THE LOCATIONS OF ALL EXISTING DRAINAGE AND UTILITIES BOTH UNDERGROUND AND OVERHEAD BEFORE EXCAVATION BEGINS IN ACCORDANCE WITH CHAPTER 39-1.2 OF THE R.I. GENERAL LAWS ENTITLED "EXCAVATION NEAR UNDERGROUND UTILITY FACILITIES", WITH AMENDMENTS EFFECTIVE AS OF NOVEMBER 1, 2009 AND, WHEN NECESSARY, BY CONTACTING THE INDIVIDUAL UTILITY COMPANIES. EXCAVATION SHALL BE IN ACCORDANCE WITH ALL STATUTES, ORDINANCES, RULES AND REGULATIONS OF ANY APPLICABLE CITY, TOWN, STATE OR FEDERAL AGENCY. THE CONTRACTOR SHOULD UNDERSTAND THAT NOT ALL UTILITIES SUBSCRIBE TO THE DIG SAFE PROGRAM. IT IS THE CONTRACTOR'S RESPONSIBILITY TO NOTIFY ALL UTILITY COMPANIES AND ENSURE THAT ALL UTILITIES HAVE BEEN MARKED PRIOR TO COMMENCING THEIR WORK. ANY DAMAGE TO EXISTING UTILITIES MARKED IN THE FIELD, OR AS A RESULT OF FAILING TO CONTACT THE APPROPRIATE UTILITY COMPANY, SHALL BE REPAIRED OR REPLACED AT NO ADDITIONAL COST TO THE STATE.
- ALL EXISTING UTILITIES TO BE ABANDONED SHALL BE CAPPED.
- EXISTING WATER SERVICES SHALL BE RECONNECTED TO THE NEW WATER MAINS.
- UTILITY SERVICE CONNECTIONS SHALL BE MAINTAINED TO ALL EXISTING FACILITIES TO REMAIN.
- FIRE HYDRANTS SHALL NOT BE REMOVED FROM SERVICE WITHOUT WRITTEN AUTHORIZATION FROM THE FIRE DEPARTMENT OR THE WATER AUTHORITY.
- ALL NEW WATER LINES SHALL BE DISINFECTED TO THE SATISFACTION OF THE WATER AUTHORITY IN ACCORDANCE WITH THE SPECIFICATIONS.
- ALL UTILITY POLE RELATED WORK SHALL BE BY OTHERS.



TOWN OF
MIDDLETOWN

DESIGNED BY:
CHECKED BY:
DATE:
SHEET: 3
OF: 36

SCALE: NOT TO SCALE

REVISIONS			REVISIONS		
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PURGATORY ROAD SIDEWALK IMPROVEMENTS

MIDDLETOWN

RHODE ISLAND

STANDARD NOTES - 1

BID NUMBER	SHEET NO.	TOTAL SHEETS
x	4	36

LANDSCAPE NOTES:

- ALL PLANT MATERIAL MUST BE TAGGED AT THE NURSERY (A RECOGNIZED GROWER OF PLANT MATERIAL) IN ACCORDANCE WITH THE R.I.D.O.T. STANDARD SPECIFICATIONS, LATEST EDITION. ALL PLANT MATERIAL MUST BE NURSERY GROWN; NO PLANTATION GROWN PLANT MATERIAL WILL BE ACCEPTED.
- ALL PLANT SUBSTITUTIONS AND/OR CHANGES IN PLANT LOCATION MUST BE APPROVED IN ACCORDANCE WITH THE R.I.D.O.T. STANDARD SPECIFICATIONS, LATEST EDITION.
- ALL PLANT MATERIAL IS TO BE FIELD LOCATED BY A REPRESENTATIVE FROM THE R.I.D.O.T. LANDSCAPE ARCHITECTURE UNIT.
- A R.I.D.O.T. LANDSCAPE REPRESENTATIVE MUST BE ON SITE TO APPROVE ALL TRIMMING AND CLEARING NECESSARY TO COMPLETE THE WORK AS SHOWN ON THE PLANS.
- ANY TOPSOIL USED AS PLANTABLE SOIL SHALL HAVE A SANDY LOAM TEXTURE RELATIVELY FREE OF SUBSOIL MATERIAL, STONES, ROOTS, LUMPS OF SOIL, TREE LIMBS, TRASH OR CONSTRUCTION DEBRIS, AND SHALL CONFORM TO SECTION M.18 OF THE R.I.D.O.T. STANDARD SPECIFICATIONS, LATEST EDITION.
- ALL TREES AND SHRUBS SHALL BE MULCHED WITH PINE BARK MULCH IN ACCORDANCE WITH THE R.I.D.O.T. STANDARD SPECIFICATIONS, LATEST EDITION.
- ALL TREES AND/OR SHRUBS THAT ARE PLANTED AS A BED SHALL BE MULCHED AS A BED.
- PROVIDE A MINIMUM 6"-8" BRANCHING STANDARD ON ALL TREES INSTALLED ADJACENT TO SIDEWALKS AND/OR PEDESTRIAN ACCESS AREAS.

STRUCTURAL NOTES FOR HIGHWAY SIGNS, LUMINAIRES AND TRAFFIC SIGNALS:

GENERAL

- ALL SUPPORT DESIGNS AND ASSOCIATED SHOP DRAWING REVIEWS SHALL BE IN CONFORMANCE WITH THE LATEST EDITION, OF THE AASHTO STANDARD SPECIFICATIONS FOR STRUCTURAL SUPPORTS FOR HIGHWAY SIGNS, LUMINAIRES AND TRAFFIC SIGNALS (THE "SPECIFICATIONS"), INCLUDING THE LATEST INTERIM SPECIFICATIONS, EXCEPT AS MODIFIED HEREIN.

CONSTRUCTION DRAWINGS AND DETAILS

- THE FOLLOWING NOTES SHALL BE INCLUDED ON ALL PLANS AND/OR SHOP DRAWINGS IN REFERENCE TO ANCHOR BOLTS:
 - "PRETENSIONING OF ALL ANCHOR NUTS IS REQUIRED, AND SHALL BE ACCOMPLISHED BY TIGHTENING TO 1/6TH TURN BEYOND THE SNUG-TIGHT POSITION."
 - "THE MAXIMUM CLEARANCE BETWEEN THE BOTTOM OF THE LEVELING NUTS AND THE TOP OF THE CONCRETE IS CRITICAL AND SHALL NOT EXCEED THE AMOUNT SPECIFIED ON THIS DRAWING."
- THE USE OF GROUT UNDER BASE PLATES SHALL GENERALLY NOT BE PERMITTED. IF SPECIFIC CONDITIONS WARRANT ITS USE, THE GROUT SHALL NOT BE CONSIDERED LOAD CARRYING; LOADS SHALL BE DIRECTLY SUPPORTED BY THE ANCHOR BOLTS. ADEQUATE DRAINAGE SHALL BE PROVIDED.
- THE DAMPENING EFFECTS OF VIBRATION MITIGATION DEVICES SHALL NOT BE CONSIDERED IN THE DESIGN OF STRUCTURAL SUPPORTS FOR SIGNS AND TRAFFIC SIGNALS. IF THE CONTRACTOR CHOOSES TO USE THESE DEVICES FOR WARRANTY PURPOSES, THE TYPE OF DEVICES PROPOSED SHALL BE APPROVED BY THE DEPARTMENT PRIOR TO FABRICATION OF SUPPORTS.

TRAFFIC SIGNAL NOTES:

- ALL SALVAGED TRAFFIC SIGNAL EQUIPMENT SHALL BE DELIVERED TO THE R.I.D.O.T. MAINTENANCE HEADQUARTERS, 360 LINCOLN AVENUE, WARWICK, RHODE ISLAND, 02888.
- BACK PLATES SHALL BE INSTALLED ON ALL TRAFFIC SIGNAL HEADS.
- THE CONTRACTOR SHALL SUPPLY AND INSTALL ON THE UPPER LEFT HAND CORNER OF THE BACK OF THE CONTROLLER CABINET DOOR A LAMINATED INTERSECTION GRAPHIC AND TABLE DEPICTING THE TRAFFIC DETECTOR RELAY CHANNEL ASSIGNMENTS. THE DIAGRAM SHALL BE A GRAPHIC OF THE INDIVIDUAL INTERSECTION ORIENTED SIMILAR TO THE PLANS SHOWING THE LOCATIONS OF EACH OF THE LOOP DETECTORS. THE DIAGRAM SHALL, AT A MINIMUM, INCLUDE DETECTOR NUMBERS, STREET NAME LABELS, NORTH ARROW, AND CONTROLLER CABINET LOCATION. THE ASSIGNMENT INFORMATION SHALL BE INCLUDED IN A TABLE WHICH SHALL INCLUDE, AT A MINIMUM, THE APPROACH NAME, DETECTOR NUMBER, TERMINAL NUMBER, DETECTOR RACK SLOT NUMBER, RELAY NUMBER, RELAY CHANNEL NUMBER, AND PHASE ASSOCIATED WITH EACH DETECTOR.
- TRAFFIC CONTROLLER CABINETS, UNLESS OTHERWISE NOTED, SHALL BE NEMA TS2 TYPE 1 CABINET SIZE 6 ("P" TYPE) WITH NOMINAL DIMENSIONS OF 52"Hx44"Wx24"D.
- ALL DELAY AND EXTENSION TIMES, AS CALLED FOR ON THE PLANS, FOR PROPOSED LOOP DETECTORS SHALL BE PROGRAMMED IN THE TRAFFIC SIGNAL CONTROLLER AND NOT THE DETECTOR RELAY.
- A BARE GROUND WIRE SHALL BE PLACED IN ALL PVC CONDUITS AND SHALL BE BONDED TO GROUND RODS IN ACCORDANCE WITH SECTION T.03 OF THE RHODE ISLAND DEPARTMENT OF TRANSPORTATION STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION.
- THE FINAL POSITION OF SIGNAL HEADS, PEDESTRIAN PUSHBUTTONS, DETECTORS, AND STOP LINE AND CROSSWALK PAVEMENT MARKINGS SHALL BE AS DIRECTED BY THE ENGINEER IN THE FIELD ACCORDING TO ACTUAL INTERSECTION CHARACTERISTICS.
- A 2' MINIMUM BUFFER SHALL BE PROVIDED BETWEEN THE CURB AND ALL LATERAL OBSTRUCTIONS (INCLUDING ALL SIGNAL POLES AND TRAFFIC/PEDESTRIAN SIGNAL HEADS) TO PROVIDE ADEQUATE CLEARANCE FOR TURNING VEHICLES.
- ALL FOUNDATIONS MUST HAVE CONES OR BARRELS BOLTED TO FOUNDATION BASES UNTIL ACTUAL POLE IS INSTALLED.
- WHEN PLACING TRAFFIC SIGNAL HANDHOLES OR CONDUIT IN EXISTING PORTLAND CEMENT CONCRETE SIDEWALKS, THE ENTIRE SIDEWALK SQUARE OF CONCRETE SHALL BE REPLACED IN ACCORDANCE WITH R.I. STD. 43.1.0. NO PATCHES WILL BE ALLOWED.
- ALL PEDESTRIAN PUSHBUTTONS SHALL BE COMPLIANT WITH "THE AMERICANS WITH DISABILITIES ACT ACCESSIBILITY GUIDELINES FOR BUILDINGS AND FACILITIES" (ADAAG) AND SHALL INCLUDE A PRESSURE-ACTIVATED (NON-MOVING) BUTTON. SIGNS APPLICABLE TO PUSHBUTTON ACTUATION SHALL BE INSTALLED SUCH THAT THE CROSSING ASSIGNED TO EACH BUTTON IS CLEARLY INDICATED. IF SITE CONDITIONS DO NOT ALLOW PEDESTRIAN PUSHBUTTONS TO BE INSTALLED WHERE CALLED FOR ON THE PLANS, THE R.I.D.O.T. TRAFFIC ENGINEERING UNIT SHALL BE CONSULTED WITH THROUGH AN R.F.I. PRIOR TO INSTALLING THE PUSHBUTTONS. THE FINAL PLACEMENT OF ALL PEDESTRIAN PUSHBUTTONS SHALL BE IN ACCORDANCE WITH ADAAG AND THE MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES, LATEST EDITION.
- ALL LOOP DETECTORS SHALL BE CENTERED WITHIN EACH LANE AS DELINEATED, UNLESS OTHERWISE DIMENSIONED ON PLANS.
- ALL LOOP DETECTORS SHALL BE CUT INTO THE FINAL PAVEMENT SURFACE COURSE.
- TRAFFIC SIGNAL CONTROLLERS SHALL BE WIRED SO THAT ANY FIRE PRE-EMPTION SHALL OVERRIDE MANUAL (PUSH BUTTON) OPERATION.
- THE CONTRACTOR SHALL WORK CONTINUOUSLY TO RESTORE TRAFFIC SIGNAL OPERATION TO ITS INTENDED PURPOSE WHEN REPLACING THE TRAFFIC SIGNAL EQUIPMENT. A POLICE DETAIL IS REQUIRED TO DIRECT TRAFFIC AT THE INTERSECTION AT ALL TIMES WHEN THE TRAFFIC SIGNAL IS INOPERATIVE. AT NO TIME SHALL THE CONTRACTOR LEAVE THE SITE BEFORE RESTORING FULL TRAFFIC OPERATIONS.

MAINTENANCE AND PROTECTION OF TRAFFIC NOTES:

- ALL MAINTENANCE AND PROTECTION OF TRAFFIC CONTROL SETUPS, SIGNS, CHANNELIZING DEVICES, ETC., SHALL BE IN ACCORDANCE WITH THE MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES, LATEST EDITION.
- ALL SIGN MOUNTINGS FOR TEMPORARY AND CONSTRUCTION SIGNS SHALL BE IN ACCORDANCE WITH THE R.I.D.O.T. STANDARD SPECIFICATIONS, LATEST EDITION.
- THE CONTRACTOR SHALL COVER ALL EXISTING AND/OR TEMPORARY SIGNS THAT ARE NOT RELEVANT TO THE TRAFFIC CONTROL REQUIRED DURING ANY PARTICULAR STAGE OF THE CONTRACT.
- ADVANCE FLAGPERSON SIGNS (W20-7A) SHALL BE USED IN ADVANCE OF ANY POINT AT WHICH A FLAGPERSON OR A POLICE OFFICER HAS BEEN STATIONED TO CONTROL TRAFFIC. WHEN NEEDED, AN APPROPRIATE DISTANCE MESSAGE MAY BE DISPLAYED ON A SUPPLEMENTAL PLATE (24"x18") BELOW THE FLAGPERSON SYMBOL SIGN. THE SIGN SHALL BE PROMPTLY REMOVED OR COVERED WHENEVER THE FLAGPERSON IS NOT AT THE STATION.
- POLICE OFFICERS (AND NOT FLAGPERSONS) SHALL BE UTILIZED WHEN WORK WILL IMPACT SIGNALIZED INTERSECTIONS AND LIMITED ACCESS HIGHWAYS.
- POLYETHYLENE DRUMS SHALL BE UTILIZED AS A CHANNELIZING DEVICE WHEN A TRAFFIC CONTROL SET-UP IS TO REMAIN BEYOND WORKING HOURS WHEN NO WORKERS ARE PRESENT. CONES SHALL BE UTILIZED WHEN A TRAFFIC CONTROL SET-UP IS TO REMAIN ONLY DURING WORKING HOURS AND IS SUBSEQUENTLY BROKEN DOWN AT THE END OF THE WORKDAY.
- ARROW PANELS SHALL BE SET IN THE FLASHING FOUR CORNERS CAUTION MODE UNLESS UTILIZED FOR A MERGING TAPER. ARROW PANELS SET IN THE FLASHING ARROW MODE SHALL NOT BE UTILIZED FOR LANE SHIFTS.
- TEMPORARY CONSTRUCTION SIGNS AND OTHER WORKZONE TRAFFIC CONTROL DEVICES THAT ARE DAMAGED OR REQUIRE RELOCATION SHALL BE REPLACED AND / OR RELOCATED UNDER THE PAY ITEM FOR "MAINTENANCE AND MOVEMENT TRAFFIC PROTECTION."
- THE PRIVATE VEHICLES OF CONSTRUCTION WORKERS SHALL NOT BE PARKED ON THE TRAVEL LANES OR SHOULDERS. THEY MAY BE PARKED WITHIN THE STATE RIGHT-OF-WAY ONLY IN AREAS 30' BEYOND THE OUTSIDE EDGE OF THE TRAVEL LANES AND/OR IN AREAS APPROVED BY THE ENGINEER.
- TEMPORARY CONSTRUCTION SIGNS AND OTHER TEMPORARY TRAFFIC CONTROL DEVICES SHALL BE INSTALLED PRIOR TO THE START OF WORK IN ANY AREA OPEN TO TRAFFIC, AND SHALL BE REMOVED AS SOON AS PRACTICAL WHEN THEY ARE NO LONGER APPROPRIATE.
- THE INTENDED VEHICLE PATHS THROUGH EACH WORK ZONE SHALL BE CLEARLY MARKED AT ALL TIMES. WATERBORNE PAVEMENT MARKINGS SHALL BE INSTALLED BEFORE THE END OF THE WORK SHIFT ON ALL COLD-PLAINED AND NEW ROADWAY SURFACES THAT WILL BE OPENED TO TRAFFIC AT THE END OF THE SHIFT.



TOWN OF
MIDDLETOWN

DESIGNED BY:
CHECKED BY:
DATE:
SHEET: 4
OF: 36

SCALE: NOT TO SCALE

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PURGATORY ROAD SIDEWALK IMPROVEMENTS

MIDDLETOWN RHODE ISLAND

STANDARD NOTES - 2

BID NUMBER	SHEET NO.	TOTAL SHEETS
x	5	36

JOB SPECIFIC LEGEND:

- 4.3.0M PRECAST SQUARE MANHOLE - MODIFIED 5'X7'
- 20.3.0 PAVEMENT MARKINGS - CROSSWALKS (8' WIDTH)
- BCDM BITUMINOUS CONCRETE DRIVEWAY
3" CLASS 9.5 HMA - MODIFIED
8" GRAVEL BORROW SUBBASE COURSE
- CBP CONCRETE BASE PAVEMENT
2" CLASS 12.5 HMA - MODIFIED
6" CEMENT CONCRETE
10" GRAVEL BORROW SUBBASE
- CFS COMPOST FILTER SOCK
- DSH REMOVE AND DISPOSE SHRUB
- DT REMOVE AND DISPOSE TREE
- IP INLET PROTECTION
- FDP FULL DEPTH PAVEMENT
2" CLASS 12.5 HMA - MODIFIED
4" CLASS 19.0 HMA - MODIFIED
12" GRAVEL BORROW SUBBASE
- RRP REMOVE AND RESET PAVERS
- UIS UNDERGROUND INFILTRATION SYSTEM (SEE DETAIL)

DRAINAGE AND EROSION CONTROL NOTES:

1. COMPOST FILTER SOCK SHALL BE USED FOR PERIMETER EROSION CONTROLS AS NEEDED TO ADHERE TO THE SWPPP AND RIDEM/CRMC REGULATIONS. CONTRACTOR SHALL PLACE COMPOST FILTER SOCK AS NEEDED OR AS DIRECTED BY THE ENGINEER DEPENDENT ON THE CONSTRUCTION PHASING.
2. ALL RIM ELEVATIONS SHOWN ON THE PLANS ARE SURFACE ELEVATION, RIMS SHALL BE CONSTRUCTED 0.1' BELOW THE RIM ELEVATION INDICATED ON THE PLANS. (THIS NOTE CLARIFIES DRAINAGE AND EROSIONS CONTROL NOTE 11 ON STANDARD NOTES-1).

JOB SPECIFIC LINE LEGEND:

—●—●— COMPOST FILTER SOCK



TOWN OF
MIDDLETOWN

DESIGNED BY:
CHECKED BY:
DATE:
SHEET: 5
OF: 36

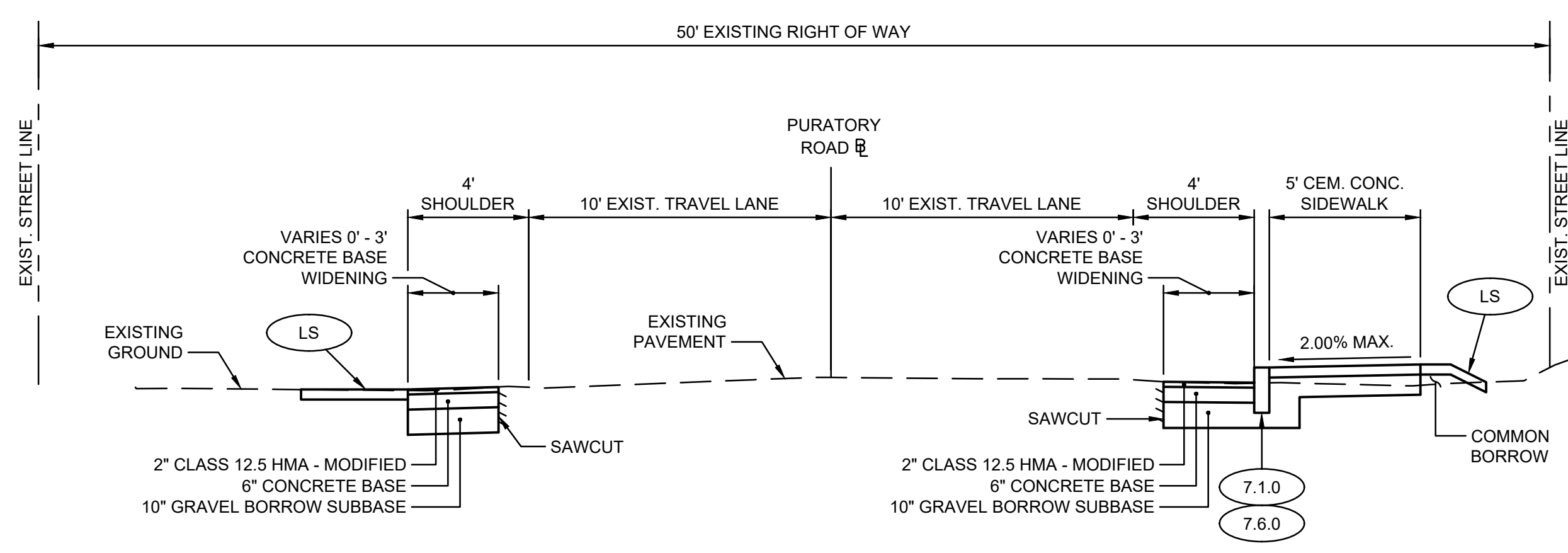
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REVISIONS			REVISIONS		
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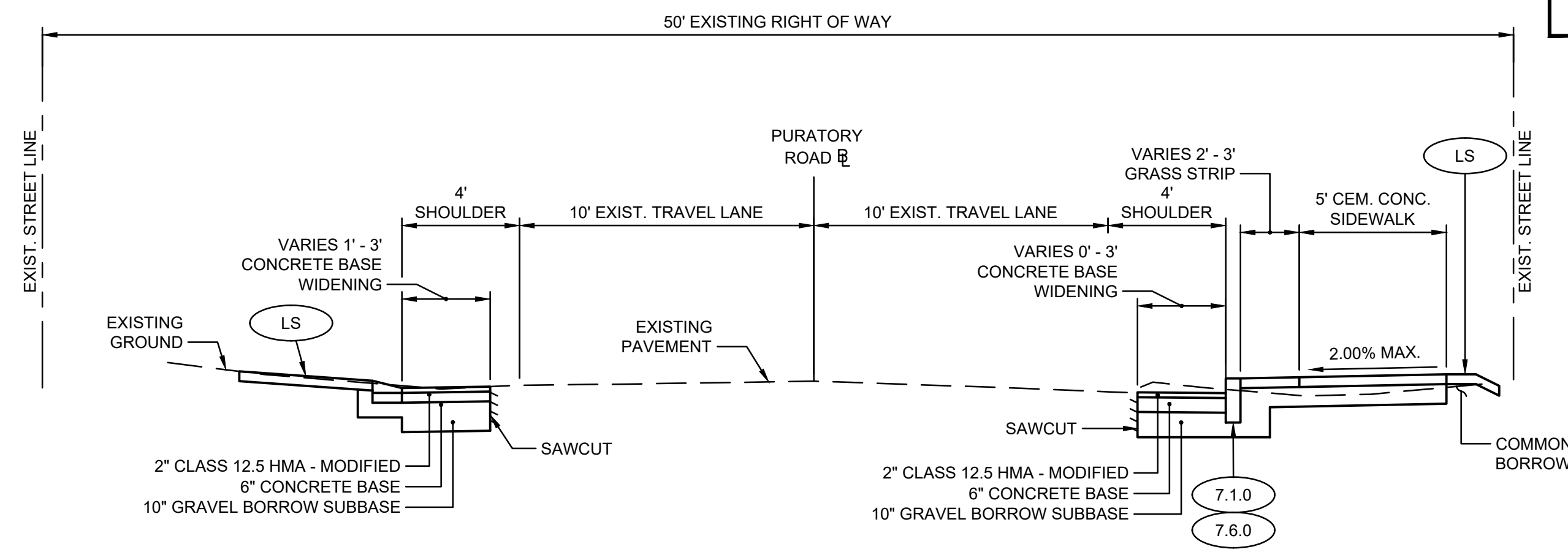
PURGATORY ROAD SIDEWALK IMPROVEMENTS

MIDDLETOWN RHODE ISLAND

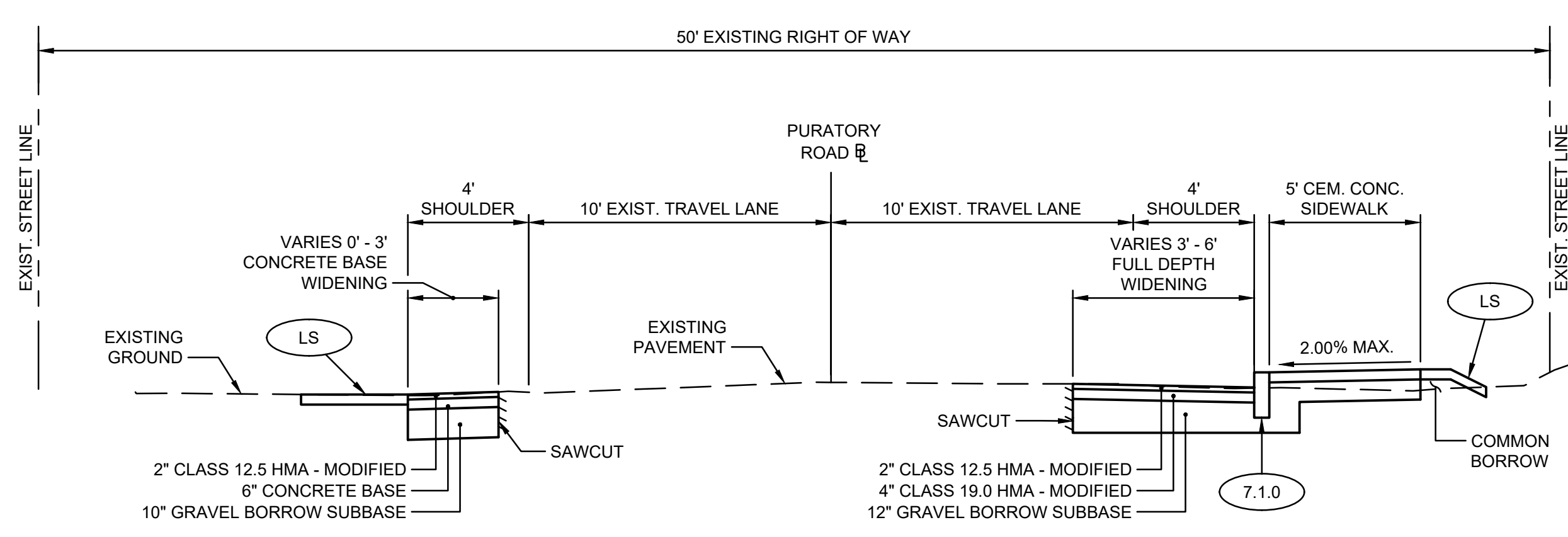
**JOB SPECIFIC PLAN SYMBOLS,
LEGEND & NOTES**



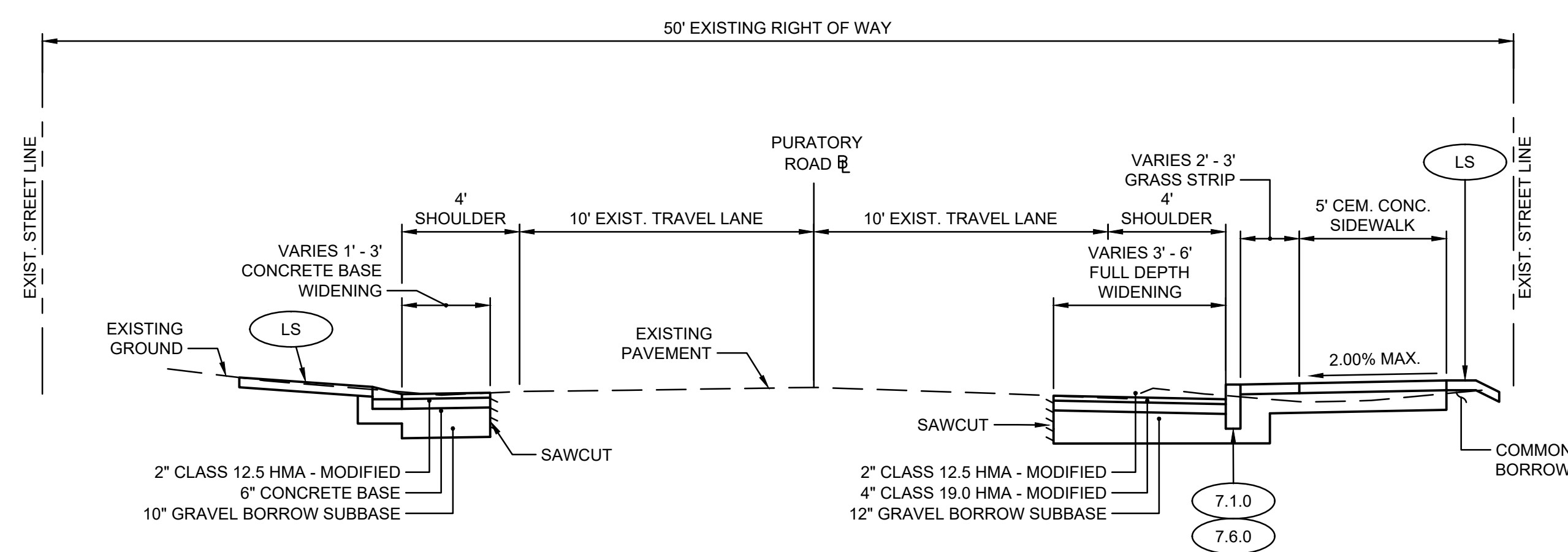
STATION 56+00 TO STATION 59+30
PURATORY ROAD
 SCALE: 1"=4'



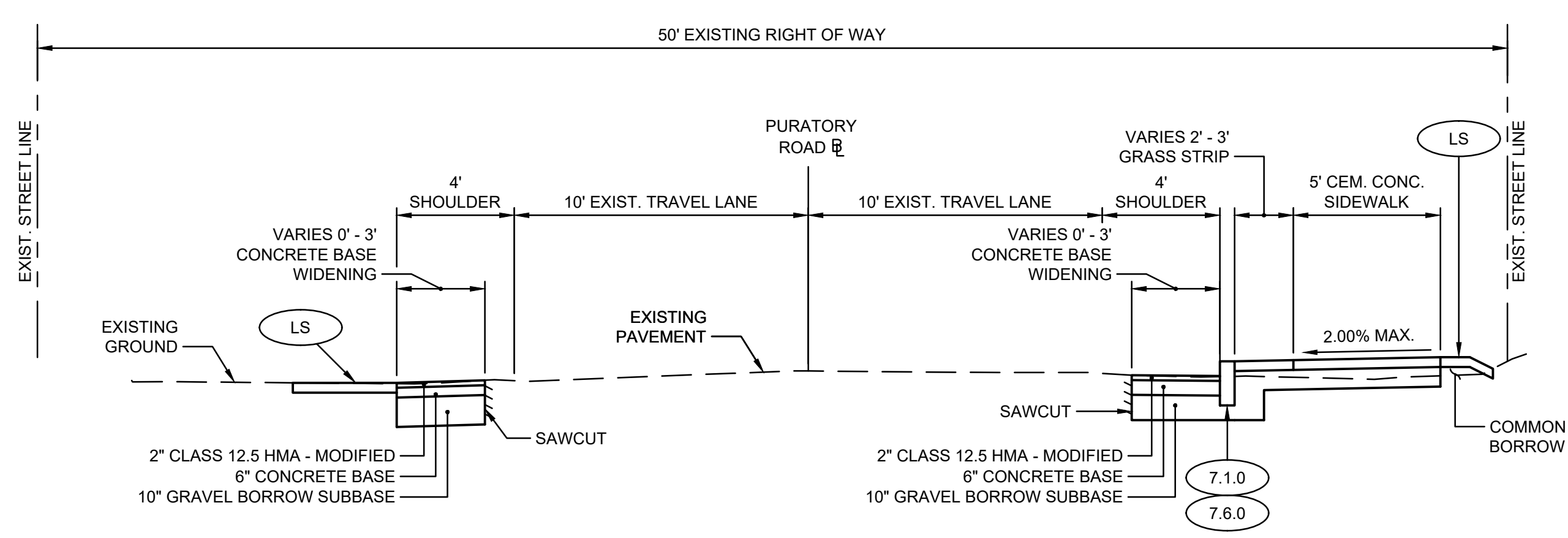
STATION 67+65 TO STATION 68+50
STATION 70+20 TO STATION 71+25
STATION 88+35 TO STATION 89+35
STATION 91+00 TO STATION 93+25
PURATORY ROAD
 SCALE: 1"=4'



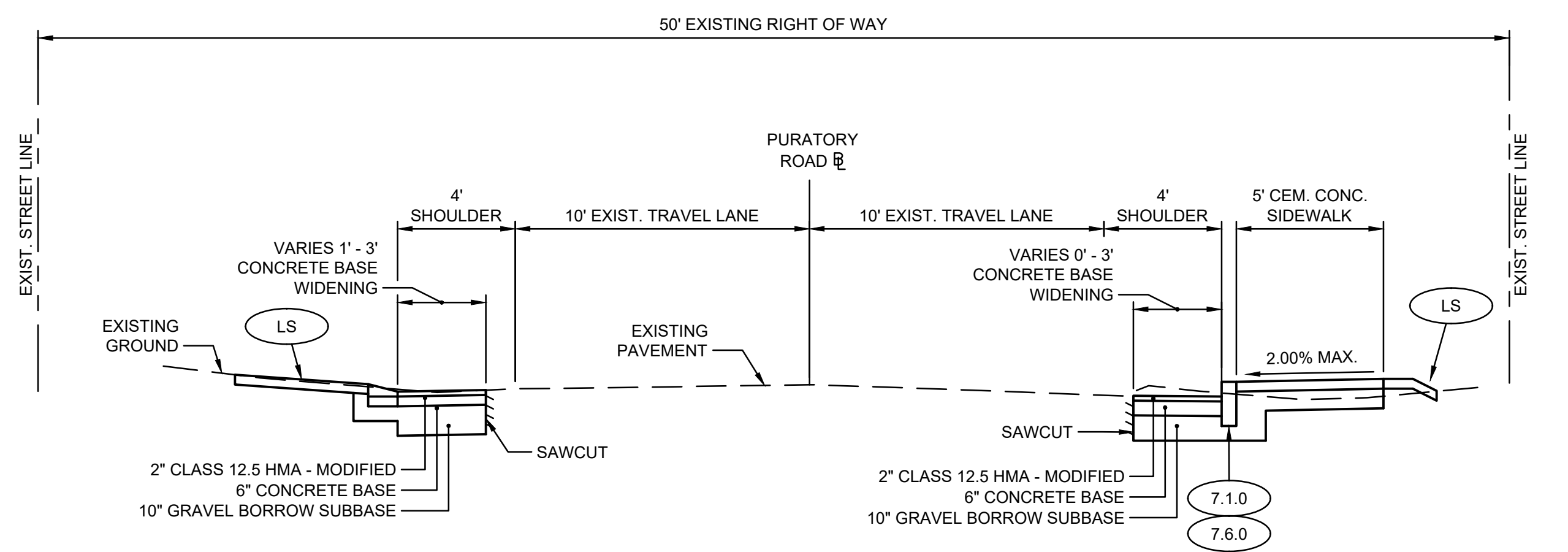
STATION 59+30 TO STATION 61+50
STATION 81+00 TO STATION 87+50
PURATORY ROAD
 SCALE: 1"=4'



STATION 71+50 TO STATION 78+50
STATION 89+35 TO STATION 91+00
PURATORY ROAD
 SCALE: 1"=4'



STATION 62+00 TO STATION 67+65
STATION 68+50 TO STATION 70+20
STATION 78+50 TO STATION 81+00
PURATORY ROAD
 SCALE: 1"=4'



STATION 87+50 TO STATION 88+35
PURATORY ROAD
 SCALE: 1"=4'



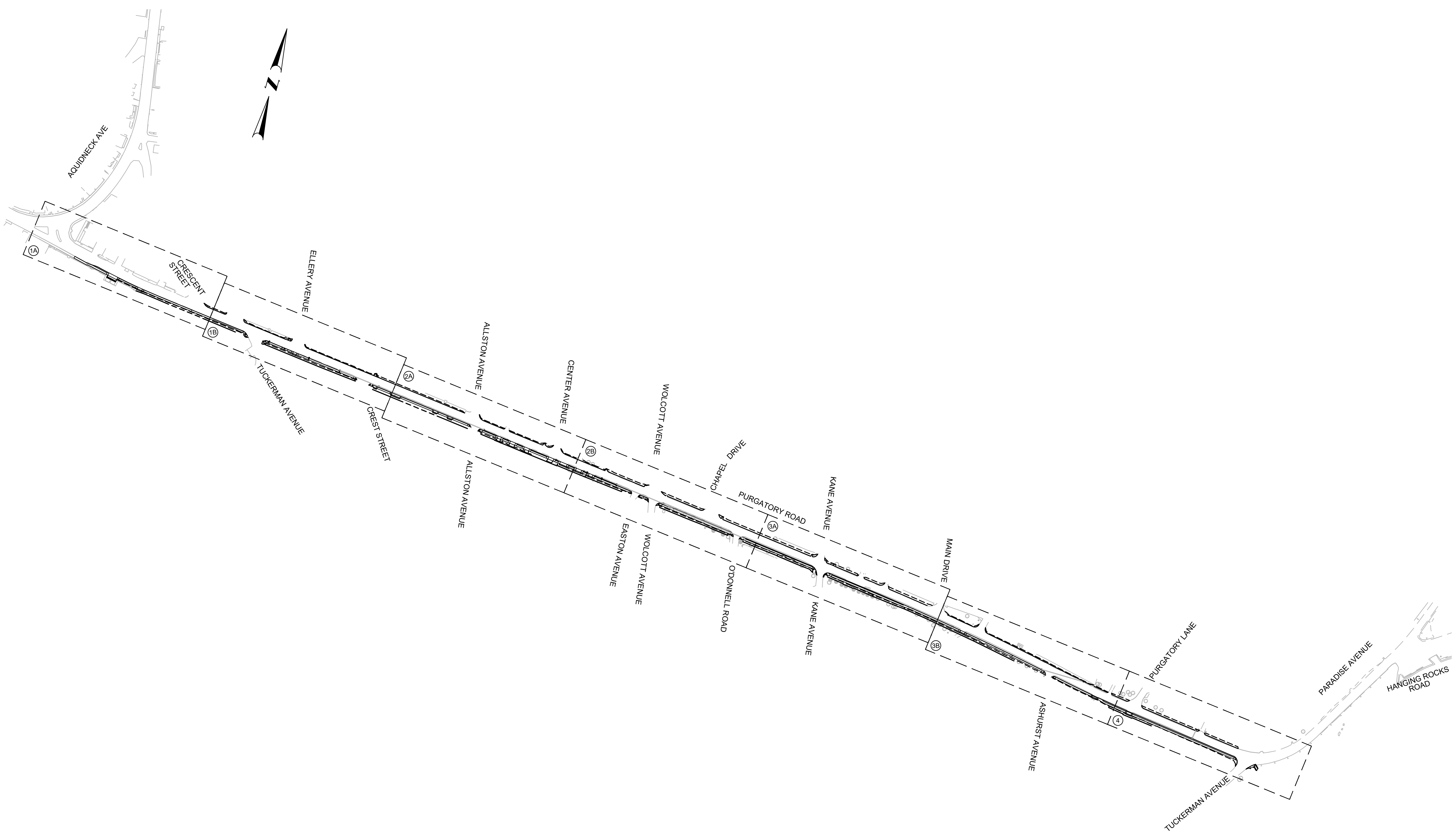
TOWN OF
 MIDDLETOWN

DESIGNED BY:
 CHECKED BY:
 DATE:
 SHEET: 6
 OF: 36

SCALE: NOT TO SCALE

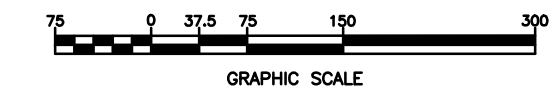
REVISIONS			REVISIONS		
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PURATORY ROAD SIDEWALK IMPROVEMENTS
 MIDDLETOWN RHODE ISLAND
TYPICAL SECTIONS

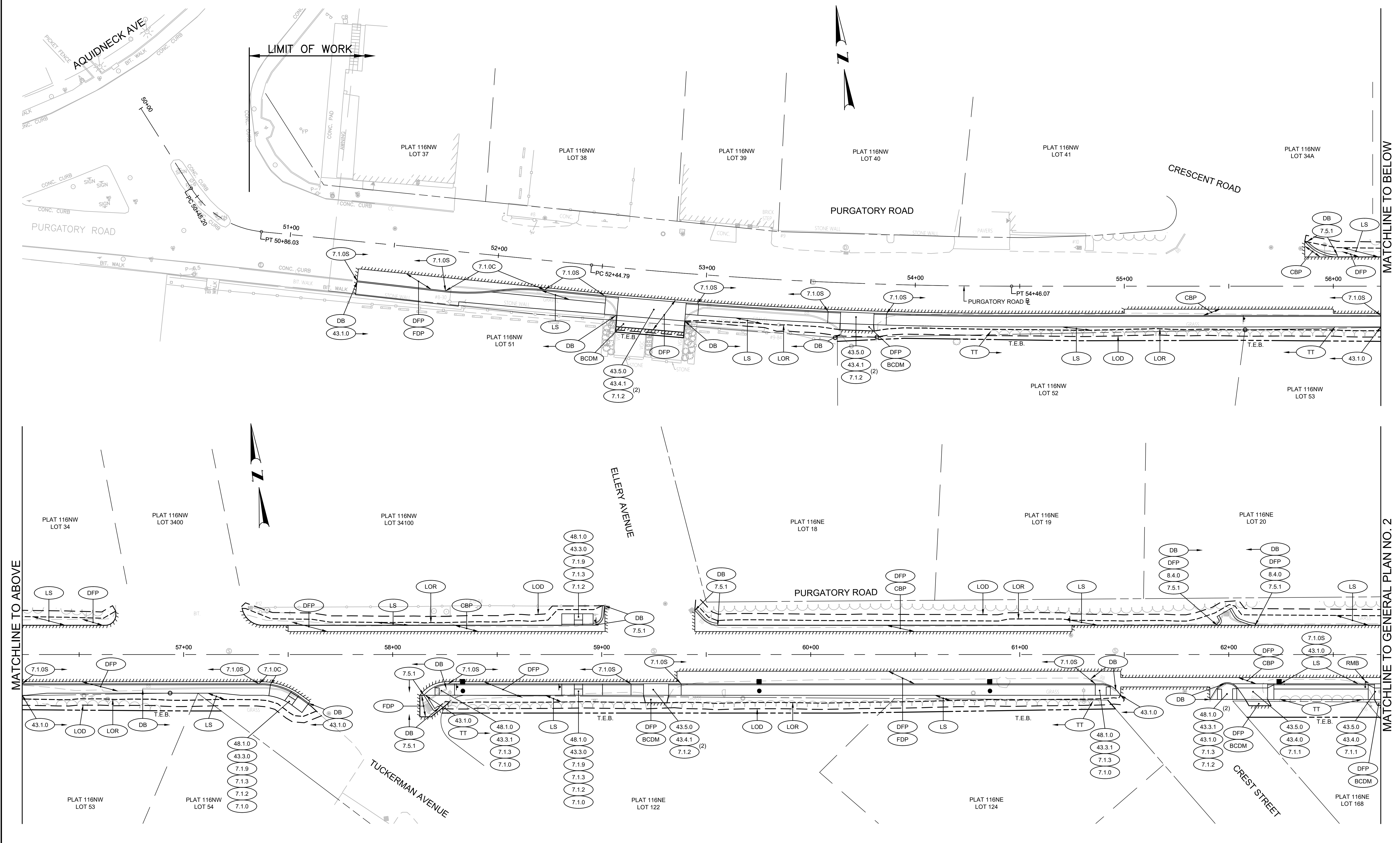


LEGEND
 (X) INDICATES PLAN NUMBER

SCALE: 1" = 150'



REVISIONS			REVISIONS		
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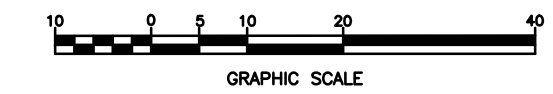



 1 Cedar Street
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TOWN OF
 MIDDLETOWN

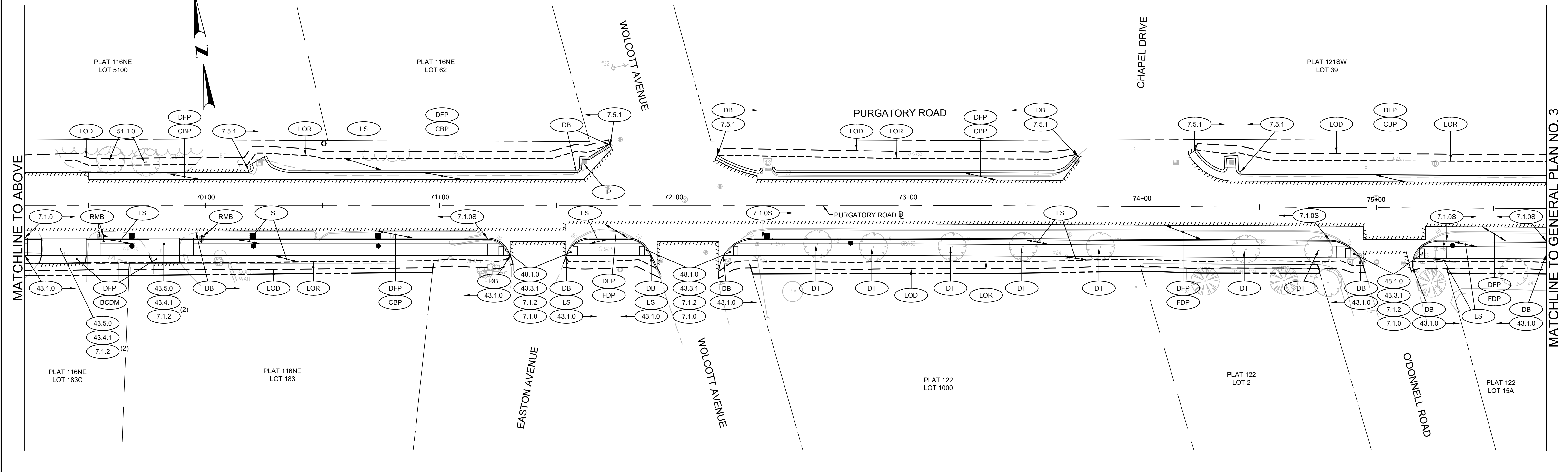
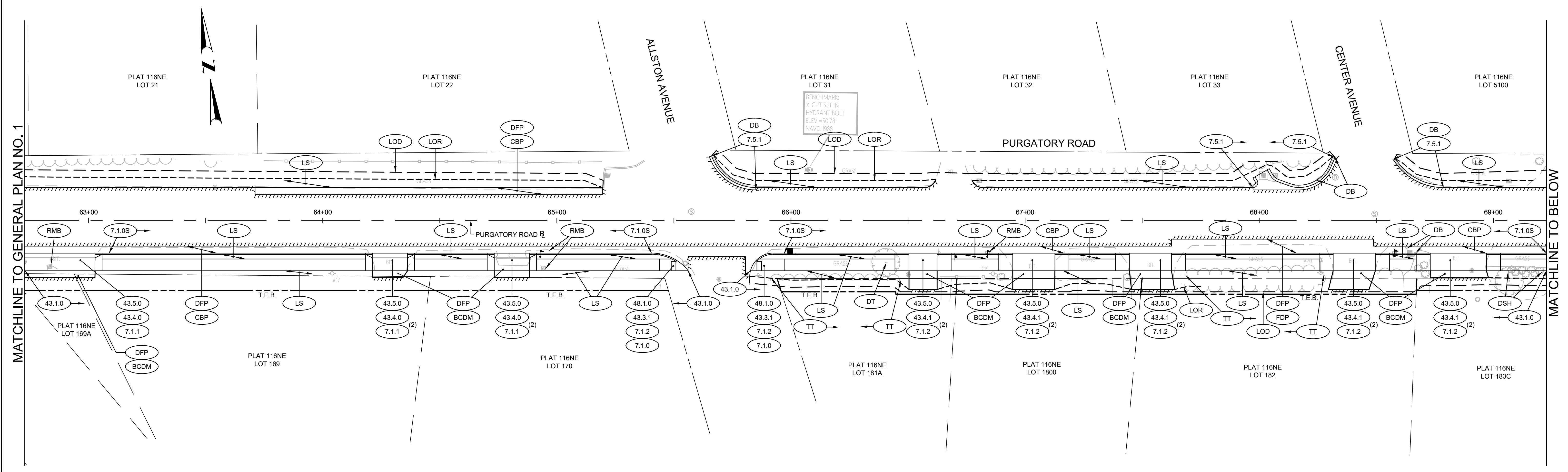
DESIGNED BY:
 CHECKED BY:
 DATE:
 SHEET: 8
 OF: 36

SCALE: 1"=20'



REVISIONS			REVISIONS		
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PURGATORY ROAD SIDEWALK IMPROVEMENTS
 MIDDLETOWN RHODE ISLAND
GENERAL PLAN NO. 1



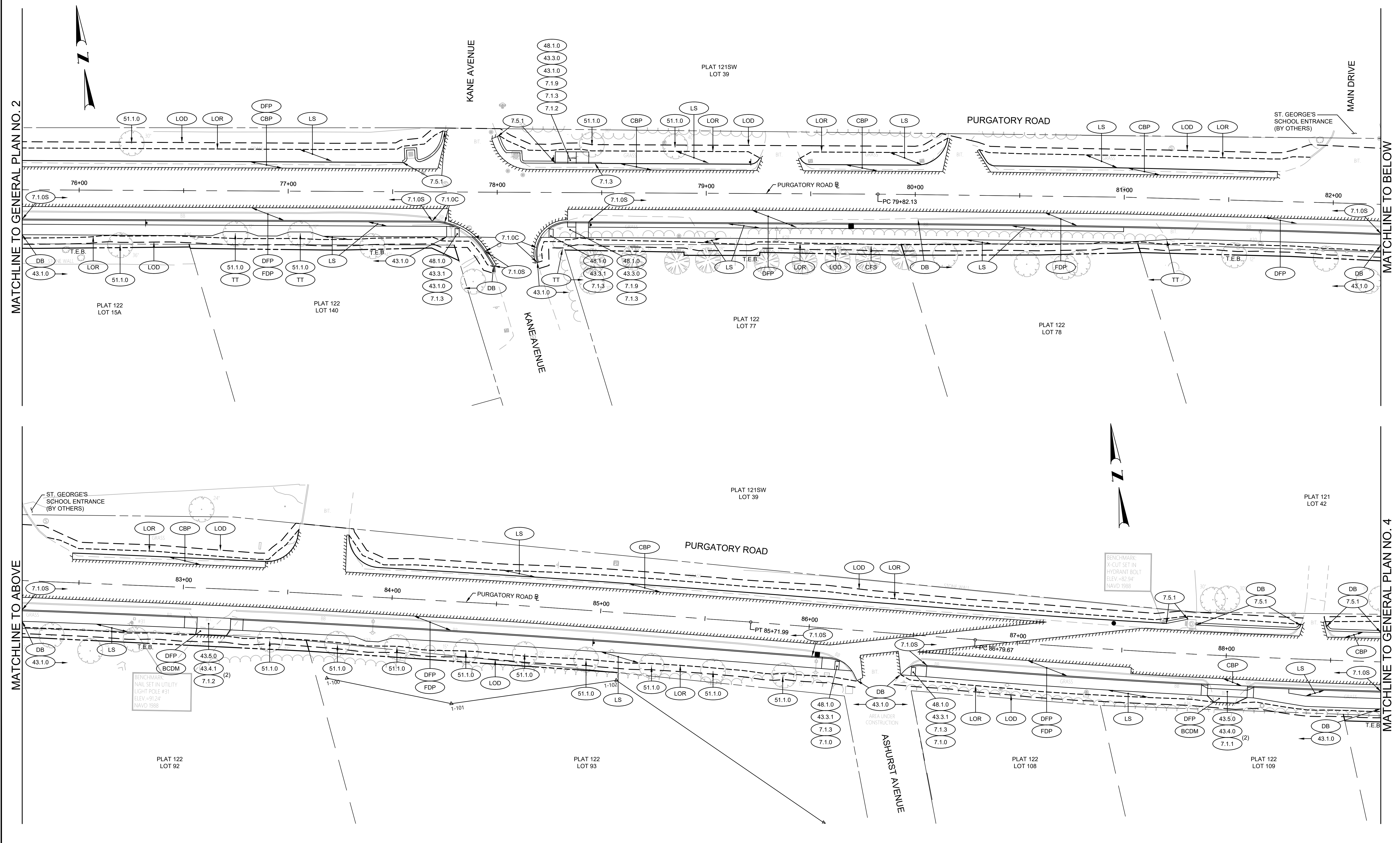
TOWN OF
MIDDLETOWN

DESIGNED BY:
CHECKED BY:
DATE:
SHEET: 9
OF: 36

SCALE: 1"=20'

GRAPHIC SCALE					
REVISIONS			REVISIONS		
NO.	DATE	BY	NO.	DATE	BY

PURGATORY ROAD SIDEWALK IMPROVEMENTS
MIDDLETOWN RHODE ISLAND
GENERAL PLAN NO. 2



MATCHLINE TO GENERAL PLAN NO. 2

MATCHLINE TO BELOW

MATCHLINE TO ABOVE

MATCHLINE TO GENERAL PLAN NO. 4



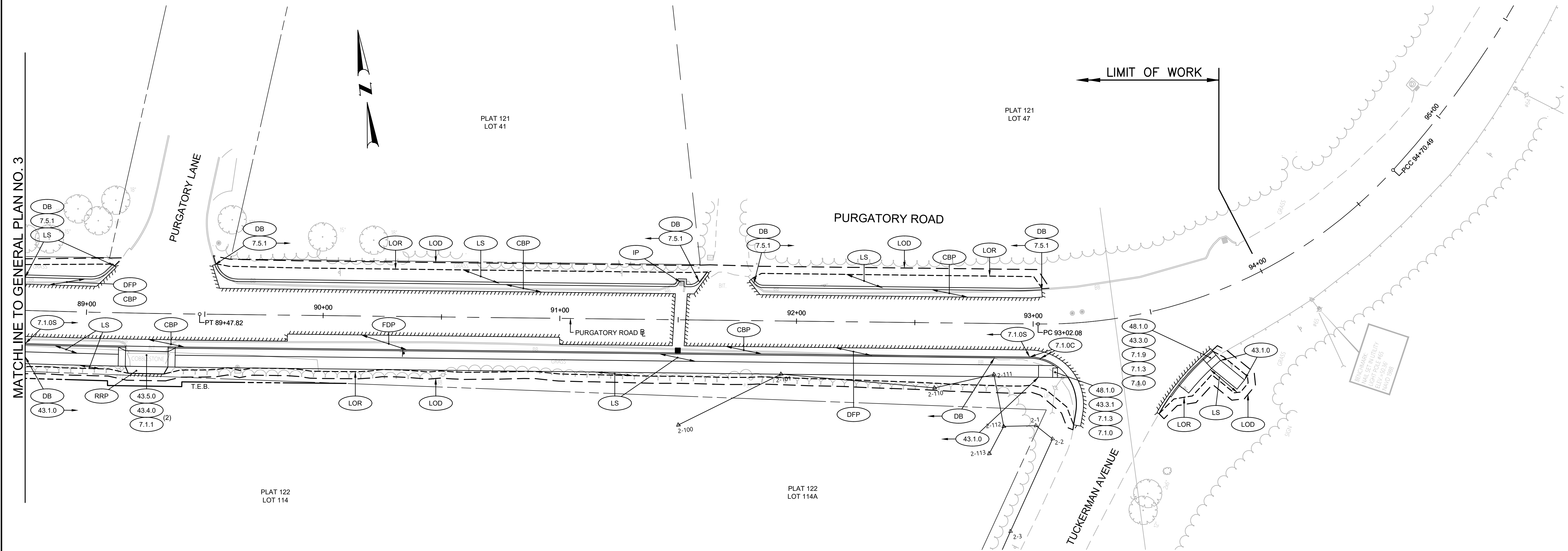
TOWN OF
MIDDLETOWN

DESIGNED BY:
CHECKED BY:
DATE:
SHEET: 10
OF: 36

SCALE: 1"=20'

REVISIONS			REVISIONS		
NO.	DATE	BY	NO.	DATE	BY

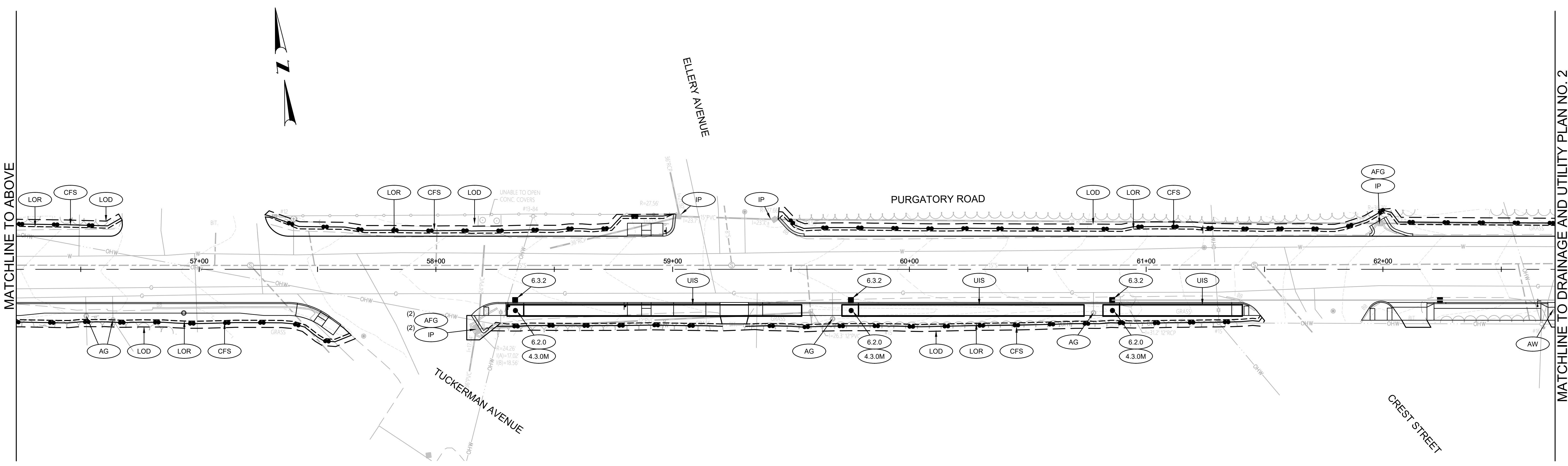
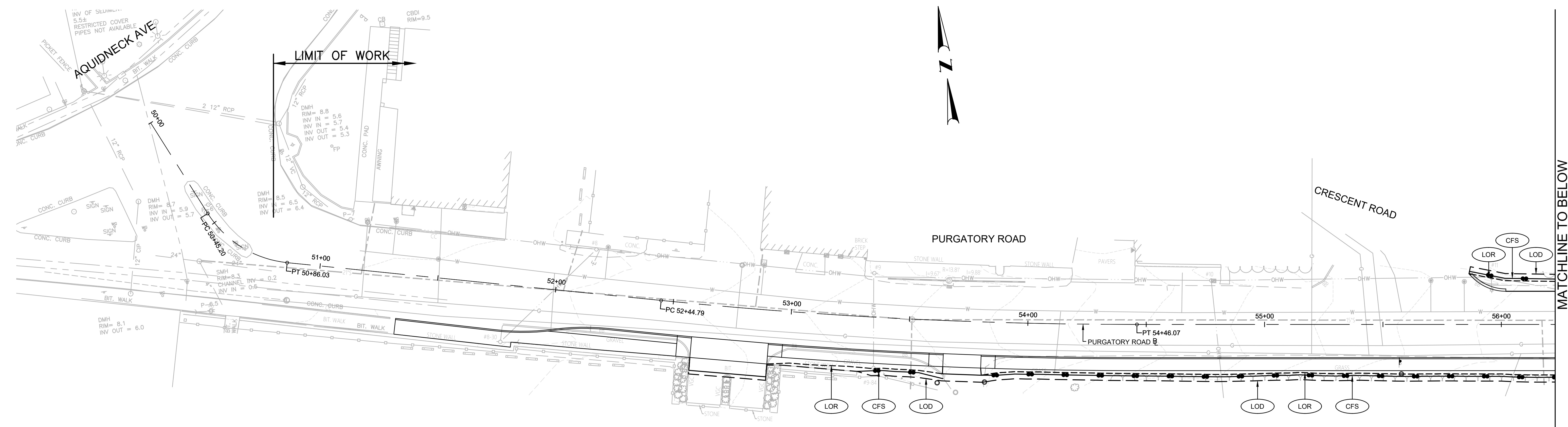
PURGATORY ROAD SIDEWALK IMPROVEMENTS
MIDDLETOWN RHODE ISLAND
GENERAL PLAN NO. 3



MATCHLINE TO GENERAL PLAN NO. 3

LIMIT OF WORK



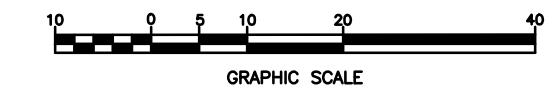



 1 Cedar Street
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TOWN OF
MIDDLETOWN

DESIGNED BY:
 CHECKED BY:
 DATE:
 SHEET: 12
 OF: 36

SCALE: 1"=20'



REVISIONS			REVISIONS		
NO.	DATE	BY	NO.	DATE	BY

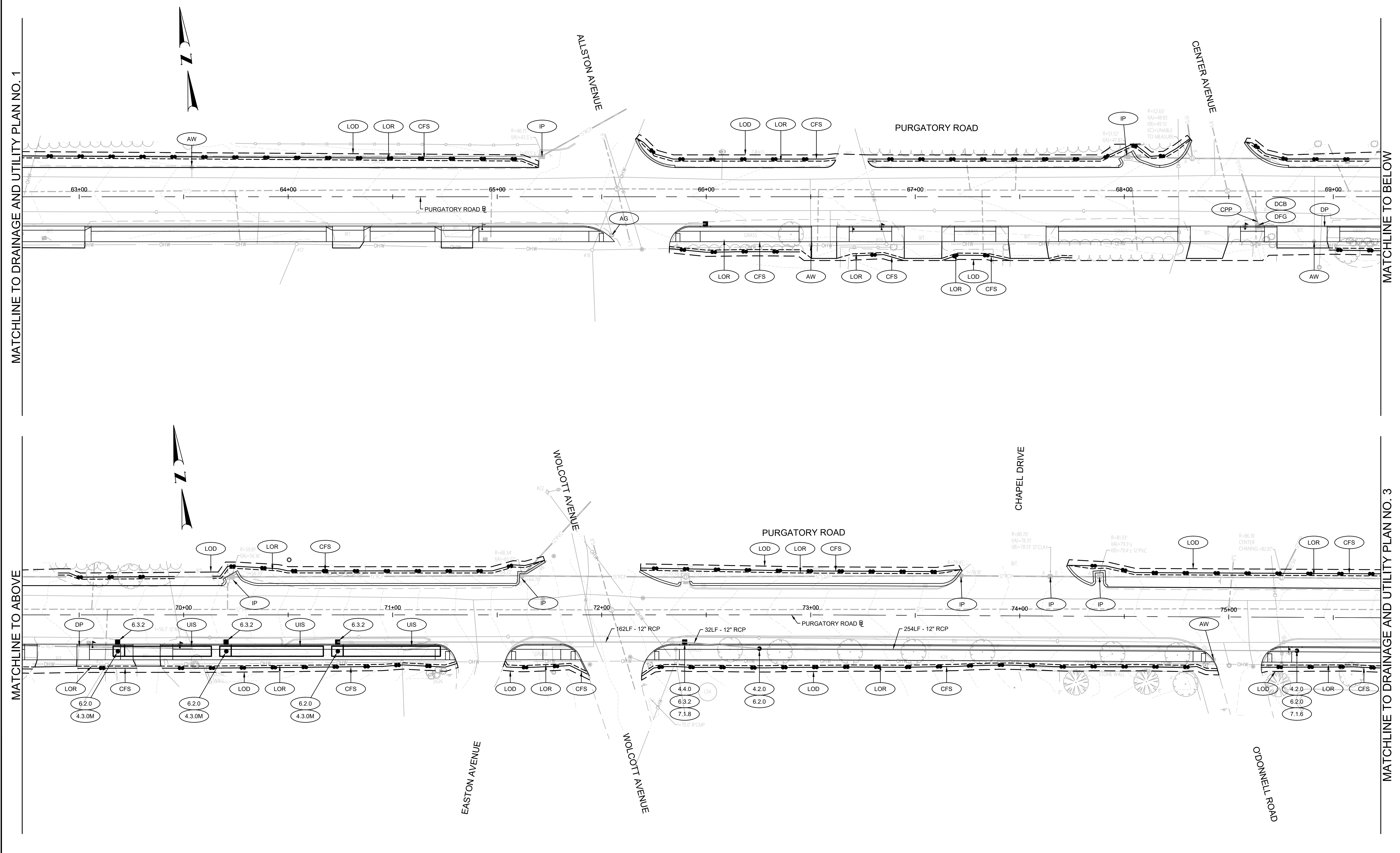
PURGATORY ROAD SIDEWALK IMPROVEMENTS
 MIDDLETOWN RHODE ISLAND
DRAINAGE AND UTILITY PLAN NO. 1

MATCHLINE TO DRAINAGE AND UTILITY PLAN NO. 1

MATCHLINE TO BELOW

MATCHLINE TO ABOVE

MATCHLINE TO DRAINAGE AND UTILITY PLAN NO. 3



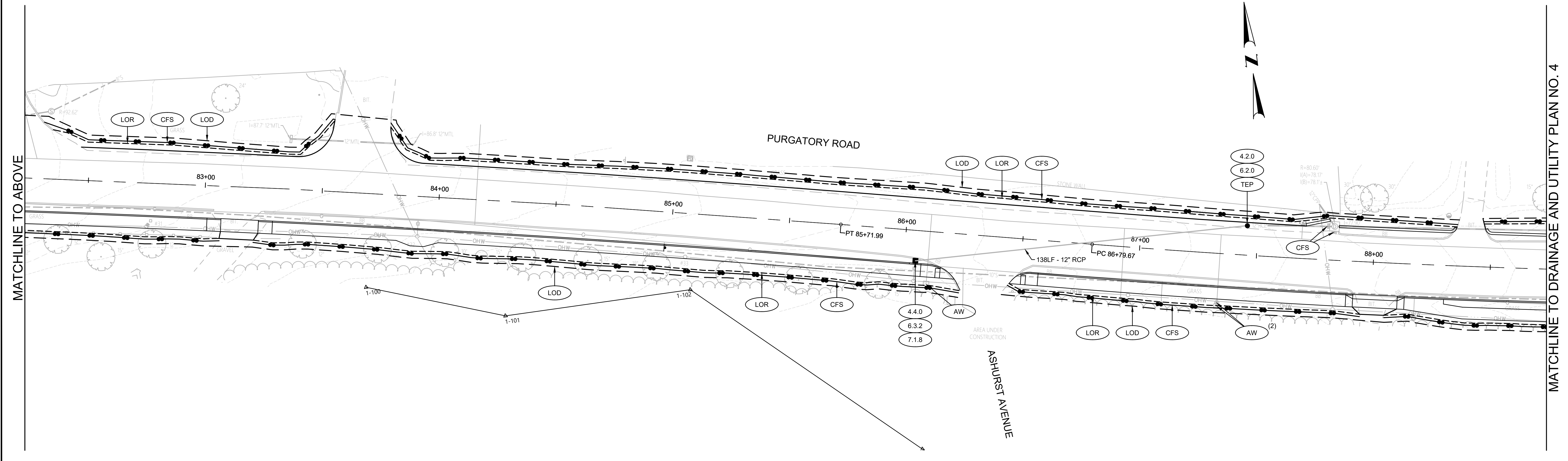
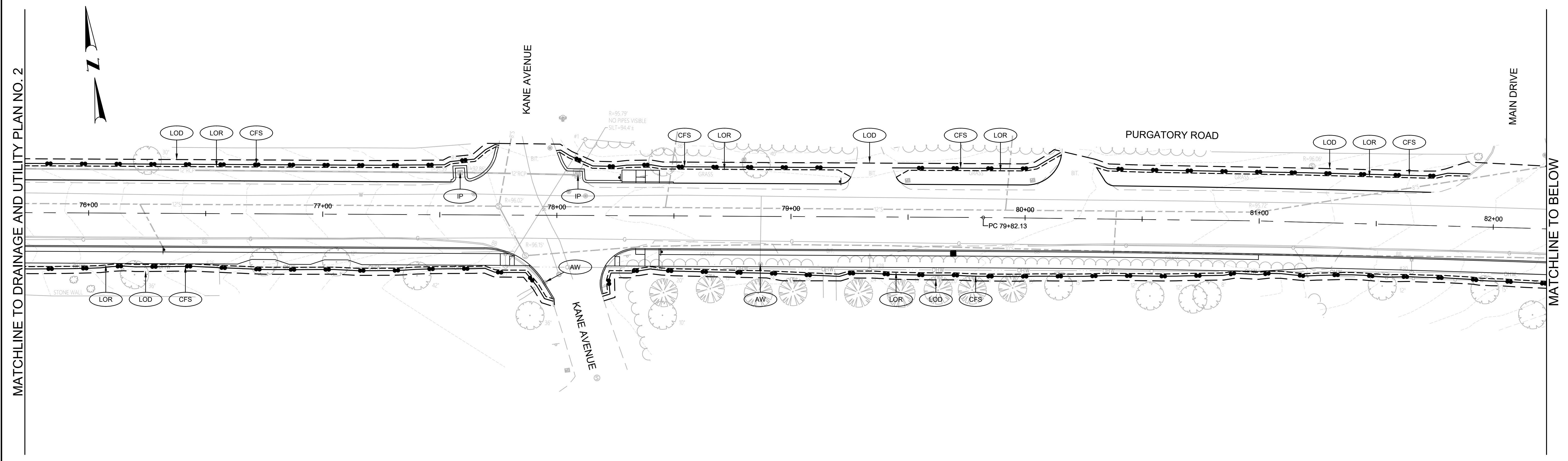
TOWN OF
MIDDLETOWN

DESIGNED BY:
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DATE:
SHEET: 13
OF: 36

SCALE: 1"=20'

REVISIONS			REVISIONS		
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PURGATORY ROAD SIDEWALK IMPROVEMENTS
MIDDLETOWN RHODE ISLAND
DRAINAGE AND UTILITY PLAN NO. 2



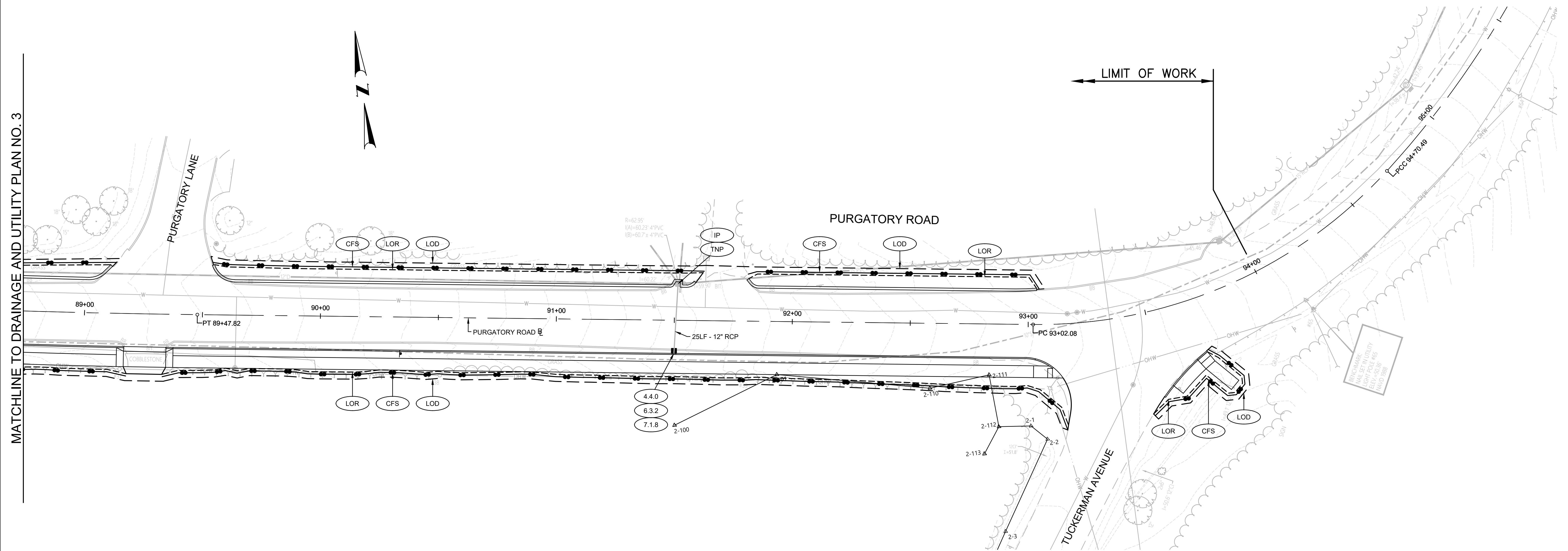
TOWN OF
MIDDLETOWN

DESIGNED BY:
CHECKED BY:
DATE:
SHEET: 14
OF: 36

SCALE: 1"=20'

REVISIONS			REVISIONS		
NO.	DATE	BY	NO.	DATE	BY

PURGATORY ROAD SIDEWALK IMPROVEMENTS
MIDDLETOWN RHODE ISLAND
DRAINAGE AND UTILITY PLAN NO. 3



MATCHLINE TO DRAINAGE AND UTILITY PLAN NO. 3



TOWN OF
MIDDLETOWN

DESIGNED BY:
CHECKED BY:
DATE:
SHEET: 15
OF: 36

SCALE: 1"=20'

REVISIONS			REVISIONS		
NO.	DATE	BY	NO.	DATE	BY

PURGATORY ROAD SIDEWALK IMPROVEMENTS
MIDDLETOWN RHODE ISLAND
DRAINAGE AND UTILITY PLAN NO. 4

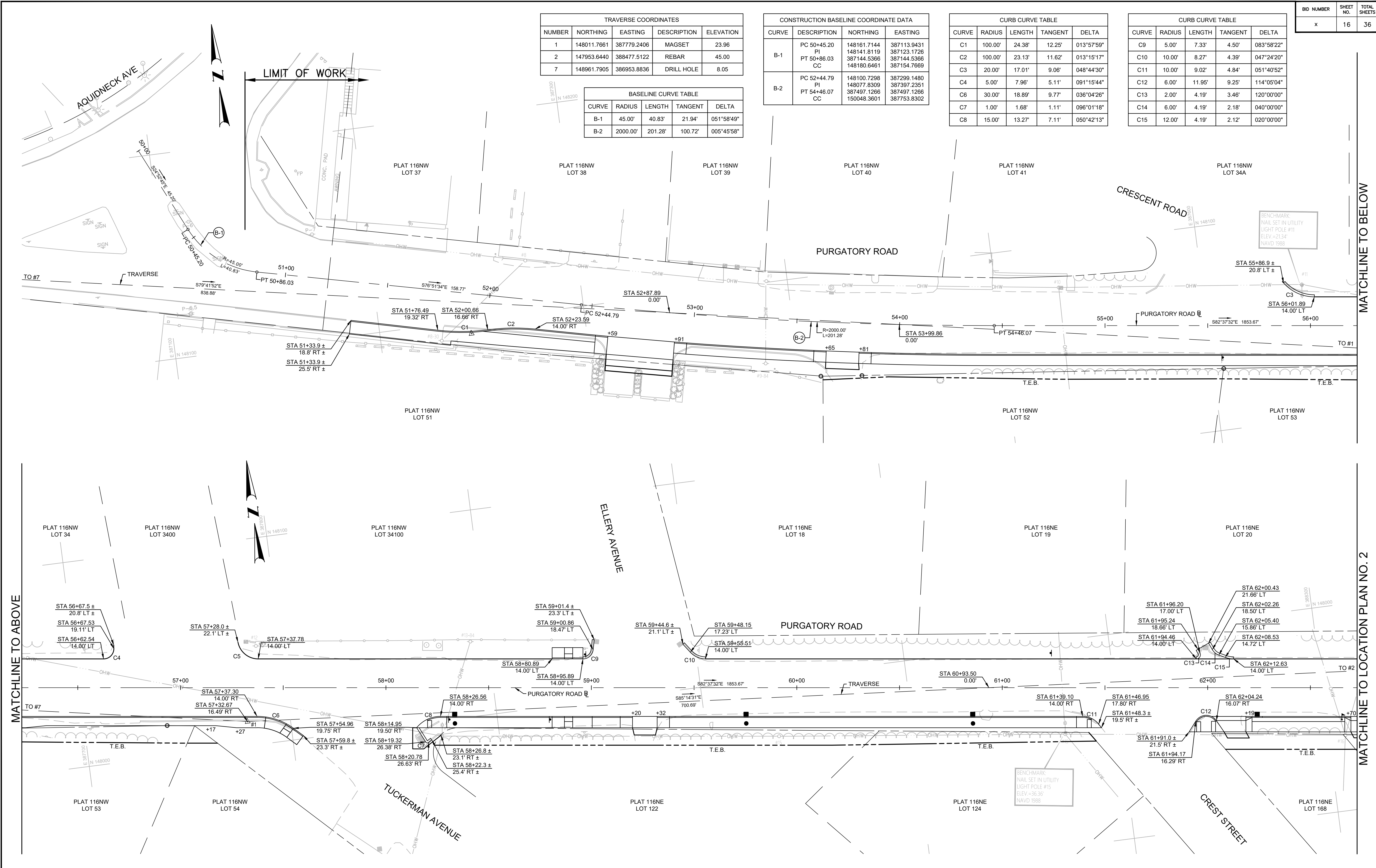
TRAVERSE COORDINATES				
NUMBER	NORTHING	EASTING	DESCRIPTION	ELEVATION
1	148011.7661	387779.2406	MAGSET	23.96
2	147953.6440	388477.5122	REBAR	45.00
7	148961.7905	386953.8836	DRILL HOLE	8.05

CONSTRUCTION BASELINE COORDINATE DATA			
CURVE	DESCRIPTION	NORTHING	EASTING
B-1	PC 50+45.20	148161.7144	387113.9431
	PI	148141.8119	387123.1726
	PT 50+86.03	148144.5366	387144.5366
B-2	PC 52+44.79	148100.7298	387299.1480
	PI	148077.8309	387397.2351
	PT 54+46.07	148048.3601	387753.8302

CURB CURVE TABLE				
CURVE	RADIUS	LENGTH	TANGENT	DELTA
C1	100.00'	24.38'	12.25'	013°57'59"
C2	100.00'	23.13'	11.62'	013°15'17"
C3	20.00'	17.01'	9.06'	048°44'30"
C4	5.00'	7.96'	5.11'	091°15'44"
C6	30.00'	18.89'	9.77'	036°04'26"
C7	1.00'	1.68'	1.11'	096°01'18"
C8	15.00'	13.27'	7.11'	050°42'13"

CURB CURVE TABLE				
CURVE	RADIUS	LENGTH	TANGENT	DELTA
C9	5.00'	7.33'	4.50'	083°58'22"
C10	10.00'	8.27'	4.39'	047°24'20"
C11	10.00'	9.02'	4.84'	051°40'52"
C12	6.00'	11.95'	9.25'	114°05'04"
C13	2.00'	4.19'	3.46'	120°00'00"
C14	6.00'	4.19'	2.18'	040°00'00"
C15	12.00'	4.19'	2.12'	020°00'00"

BASELINE CURVE TABLE				
CURVE	RADIUS	LENGTH	TANGENT	DELTA
B-1	45.00'	40.83'	21.94'	051°58'49"
B-2	2000.00'	201.28'	100.72'	005°45'58"



MATCHLINE TO ABOVE

MATCHLINE TO BELOW

MATCHLINE TO LOCATION PLAN NO. 2



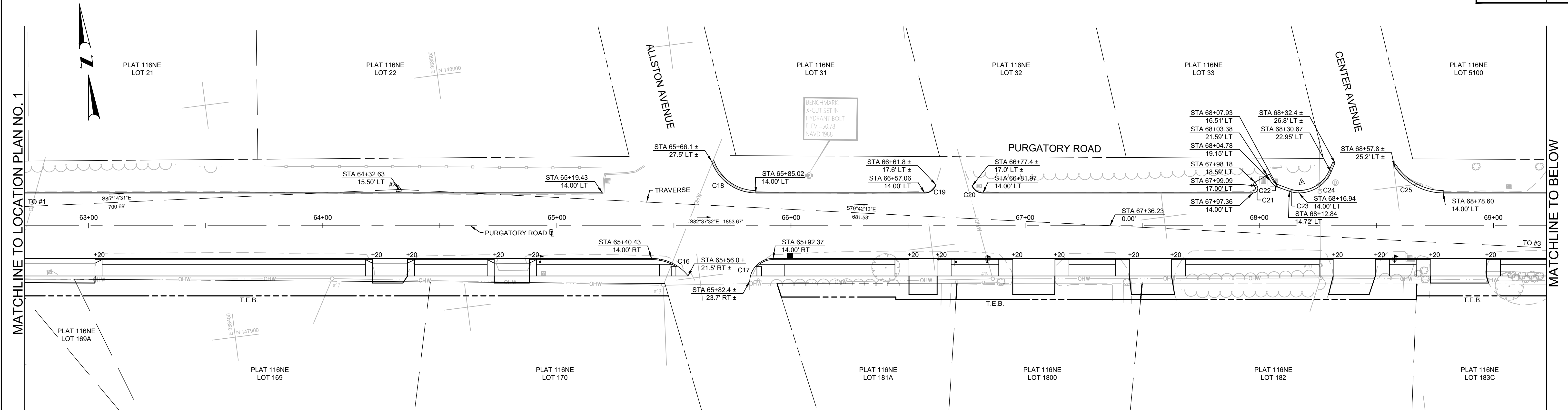
TOWN OF
MIDDLETOWN

DESIGNED BY:
CHECKED BY:
DATE:
SHEET: 16
OF: 36

SCALE: 1"=20'

REVISIONS			REVISIONS		
NO.	DATE	BY	NO.	DATE	BY

PURGATORY ROAD SIDEWALK IMPROVEMENTS
MIDDLETOWN RHODE ISLAND
LOCATION PLAN NO. 1



TRAVERSE COORDINATES				
NUMBER	NORTHING	EASTING	DESCRIPTION	ELEVATION
1	148011.7661	387779.2406	MAGSET	23.96
2	147953.6440	388477.5122	REBAR	45.00
3	147831.8288	389148.0673	DISK M-3A	65.88
4	147780.6333	389835.2404	MAGFND	96.76

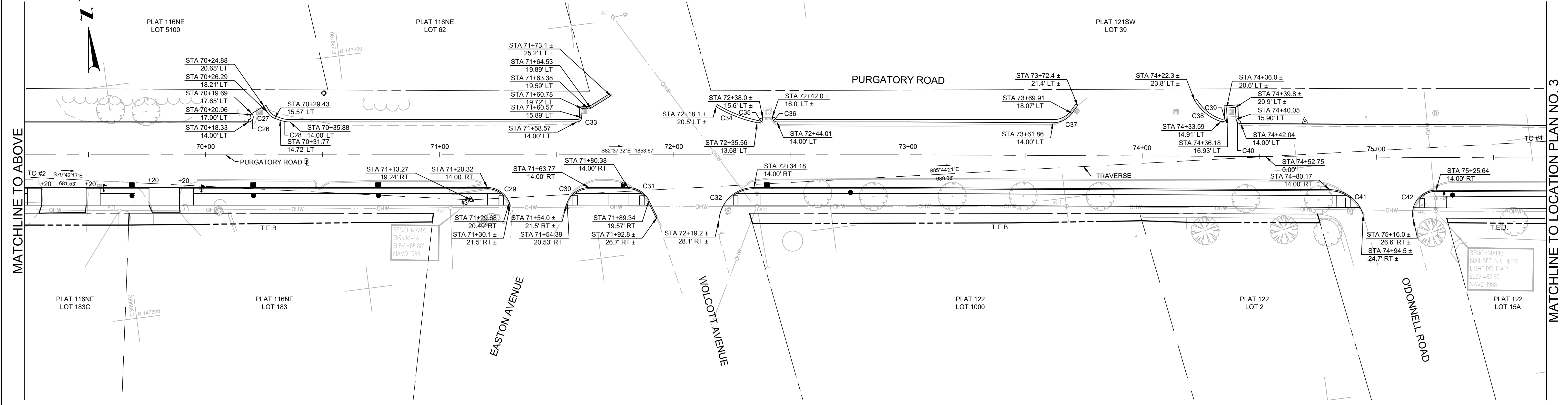
CURB CURVE TABLE					
CURVE	RADIUS	LENGTH	TANGENT	DELTA	
C16	20.00'	17.91'	9.61'	051°19'18"	
C17	10.00'	15.36'	9.66'	088°00'20"	
C18	20.00'	24.79'	14.27'	071°00'57"	
C19	5.00'	6.39'	3.72'	073°16'04"	
C20	5.00'	5.43'	3.01'	062°10'21"	
C21	2.00'	4.19'	3.46'	120°00'00"	

CURB CURVE TABLE					
CURVE	RADIUS	LENGTH	TANGENT	DELTA	
C22	6.00'	4.19'	2.18'	040°00'00"	
C23	12.00'	4.19'	2.12'	020°00'00"	
C24	15.00'	17.34'	9.78'	066°13'30"	
C25	25.00'	24.60'	13.40'	056°22'07"	
C26	2.00'	4.19'	3.46'	120°00'00"	
C27	6.00'	4.19'	2.18'	040°00'00"	

CURB CURVE TABLE					
CURVE	RADIUS	LENGTH	TANGENT	DELTA	
C28	12.00'	4.19'	2.12'	020°00'00"	
C29	10.00'	12.12'	6.93'	069°25'51"	
C30	10.00'	12.17'	6.96'	069°42'22"	
C31	10.00'	11.12'	6.22'	063°44'10"	
C32	15.00'	22.65'	14.11'	086°30'17"	
C33	2.00'	3.03'	1.89'	086°52'32"	

CURB CURVE TABLE					
CURVE	RADIUS	LENGTH	TANGENT	DELTA	
C34	55.00'	18.87'	9.53'	019°39'28"	
C35	2.00'	3.47'	2.36'	099°26'53"	
C36	2.00'	3.14'	2.00'	090°00'00"	
C37	10.00'	9.36'	5.05'	053°36'27"	
C38	20.00'	14.66'	7.68'	042°00'36"	
C39	2.00'	3.86'	2.89'	110°32'25"	

CURB CURVE TABLE					
CURVE	RADIUS	LENGTH	TANGENT	DELTA	
C40	2.00'	3.04'	1.90'	087°05'12"	
C41	15.00'	19.19'	11.16'	073°18'38"	
C42	10.00'	18.31'	13.01'	104°55'15"	



TOWN OF
MIDDLETOWN

DESIGNED BY:
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OF: 36

SCALE: 1"=20'

GRAPHIC SCALE					
REVISIONS			REVISIONS		
NO.	DATE	BY	NO.	DATE	BY

PURGATORY ROAD SIDEWALK IMPROVEMENTS
MIDDLETOWN RHODE ISLAND

LOCATION PLAN NO. 2

TRAVERSE COORDINATES				
NUMBER	NORTHING	EASTING	DESCRIPTION	ELEVATION
3	147831.8288	389148.0673	DISK M-3A	65.88
4	147780.6333	389835.2404	MAGFND	96.76
5	147674.9684	390328.9949	REBAR	89.40
6	147611.2155	390778.1085	REBAR	80.68
9	147495.0419	391406.6482	REBAR	51.53

BASELINE CURVE TABLE				
CURVE	RADIUS	LENGTH	TANGENT	DELTA
B-3	8000.00'	589.86'	295.06'	004°13'28"
B-4	4000.00'	268.14'	134.12'	003°50'27"

CONSTRUCTION BASELINE COORDINATE DATA				
CURVE	DESCRIPTION	NORTHING	EASTING	
B-3	PC 79+82.13	147735.9517	390011.7553	
	PI	147696.5911	390304.1800	
	PT 85+71.99	390592.9106	390592.9106	
	CC	139807.4509	388944.5742	
B-4	PC 86+79.67	147613.6091	390698.2815	
	PI	147585.9743	390829.5280	
	PT 89+47.82	390962.3268	390962.3268	
	CC	151527.7817	391522.4497	

CURB CURVE TABLE				
CURVE	RADIUS	LENGTH	TANGENT	DELTA
C43	30.00'	30.56'	16.75'	058°21'35"
C44	15.00'	28.15'	20.47'	107°32'35"
C45	2.00'	3.26'	2.12'	093°24'41"
C46	2.00'	3.52'	2.42'	100°47'58"
C47	15.00'	16.20'	8.99'	061°52'01"
C48	15.00'	4.55'	2.29'	017°22'04"

CURB CURVE TABLE				
CURVE	RADIUS	LENGTH	TANGENT	DELTA
C49	2.00'	1.80'	0.97'	051°31'43"
C50	2.00'	3.02'	1.88'	086°34'21"
C51	5.00'	5.91'	3.36'	067°43'26"
C52	5.00'	5.86'	3.32'	067°06'49"
C53	15.00'	21.95'	13.47'	083°50'44"
C54	5.00'	4.98'	2.72'	057°01'58"

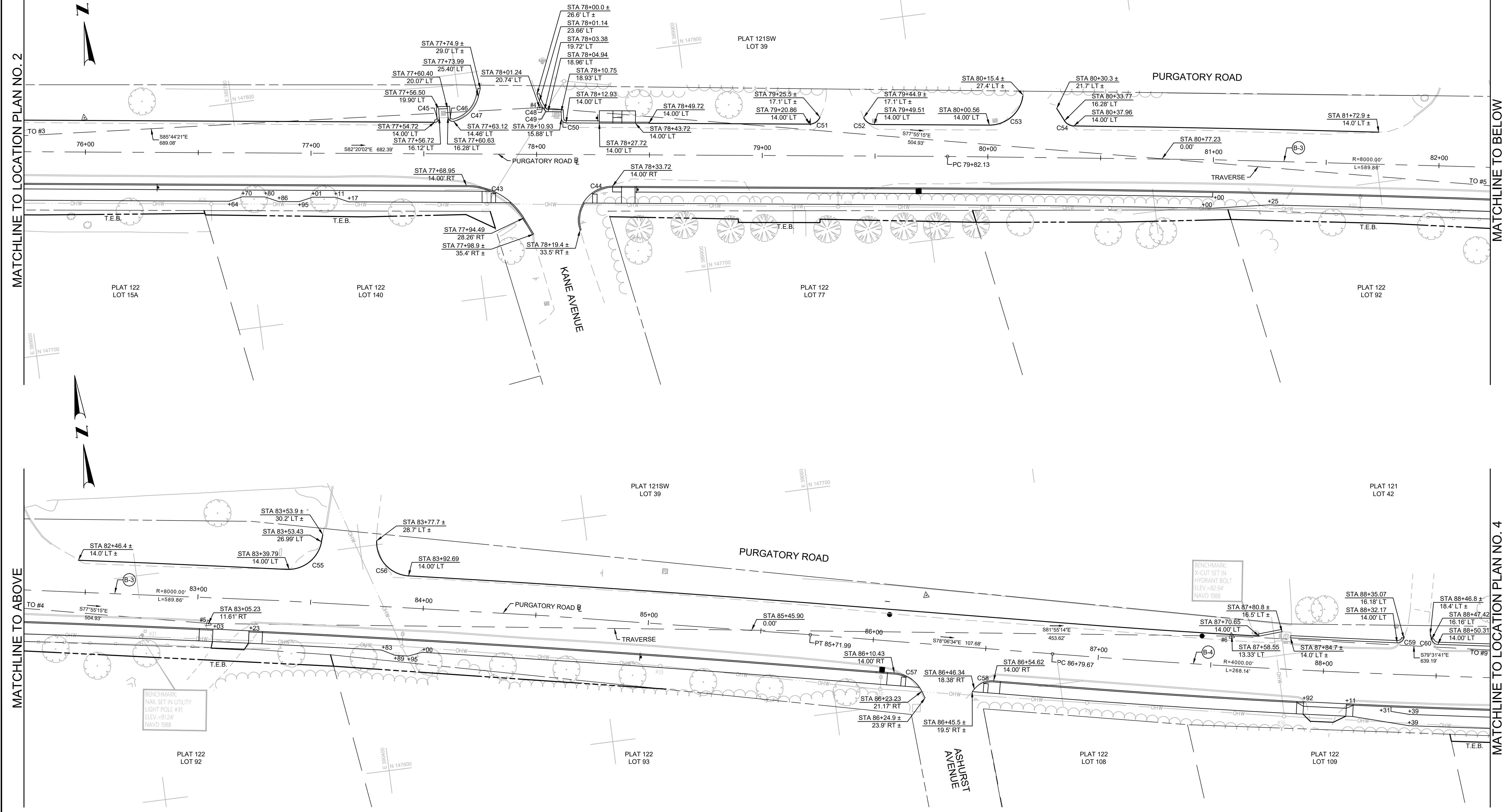
CURB CURVE TABLE				
CURVE	RADIUS	LENGTH	TANGENT	DELTA
C55	15.11'	20.37'	12.07'	077°14'35"
C56	15.00'	23.28'	14.72'	088°54'31"
C57	15.00'	15.33'	8.41'	058°33'16"
C58	10.02'	9.74'	5.30'	055°41'32"
C59	3.00'	3.88'	2.26'	074°05'39"
C60	3.00'	3.86'	2.25'	073°46'55"

MATCHLINE TO LOCATION PLAN NO. 2

MATCHLINE TO BELOW

MATCHLINE TO ABOVE

MATCHLINE TO LOCATION PLAN NO. 4



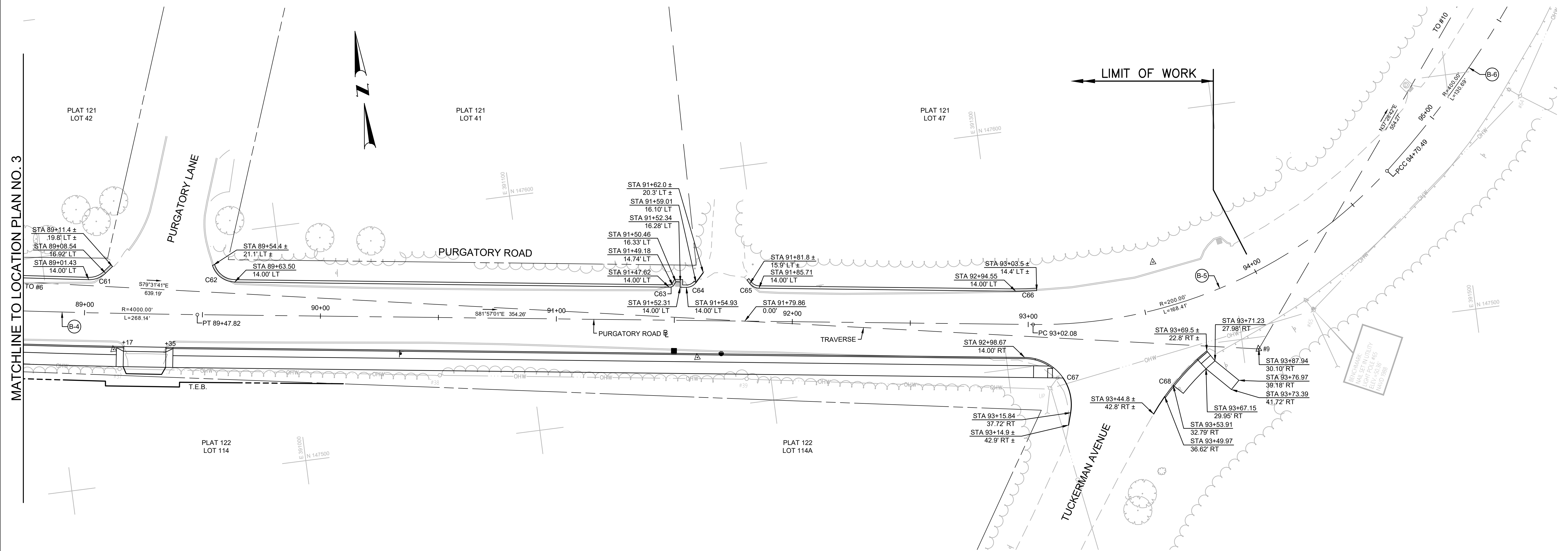
TOWN OF
MIDDLETOWN

DESIGNED BY:
CHECKED BY:
DATE:
SHEET: 18
OF: 36

SCALE: 1"=20'

REVISIONS				REVISIONS			
NO.	DATE	BY		NO.	DATE	BY	

PURGATORY ROAD SIDEWALK IMPROVEMENTS
MIDDLETOWN RHODE ISLAND
LOCATION PLAN NO. 3



MATCHLINE TO LOCATION PLAN NO. 3

TRAVERSE COORDINATES				
NUMBER	NORTHING	EASTING	DESCRIPTION	ELEVATION
6	147611.2155	390778.1085	REBAR	80.68
9	147495.0419	391406.6482	REBAR	51.53
10	147934.9056	391743.9022	REBAR	13.67

CONSTRUCTION BASELINE COORDINATE DATA				
CURVE	DESCRIPTION	NORTHING	EASTING	
B-4	PC 86+79.67	147613.6091	390698.2815	
	PI	147585.9743	390829.5260	
	PT 89+47.82	390962.3268	390962.3268	
	CC	151527.7817	391522.4497	
B-5	PC 93+02.08	147517.5851	391313.1009	
	PI	147505.0439	391401.7792	
	PT 94+70.49	391470.1889	391470.1889	
	CC	147715.6145	391341.1071	
B-6	PC 94+70.49	147562.8471	391470.1889	
	PI	147605.4016	391520.5518	
	PT 96+01.18	391554.5924	391554.5924	
	CC	147868.3819	391212.0252	

BASELINE CURVE TABLE				
CURVE	RADIUS	LENGTH	TANGENT	DELTA
B-4	4000.00'	268.14'	134.12'	003°50'27"
B-5	200.00'	168.41'	89.56'	048°14'46"
B-6	400.00'	130.69'	65.93'	018°43'13"

CURB CURVE TABLE				
CURVE	RADIUS	LENGTH	TANGENT	DELTA
C61	10.00'	7.86'	4.14'	045°00'30"
C62	10.00'	12.62'	7.31'	072°18'30"
C63	2.00'	1.78'	0.96'	051°05'55"
C64	5.00'	4.76'	2.58'	054°31'14"
C65	5.00'	4.46'	2.39'	051°06'32"
C66	100.00'	8.90'	4.45'	005°05'55"
C67	20.00'	34.58'	23.45'	099°04'39"
C68	100.00'	35.10'	17.73'	020°06'41"



TOWN OF
MIDDLETOWN

DESIGNED BY:
CHECKED BY:
DATE:
SHEET: 19
OF: 36

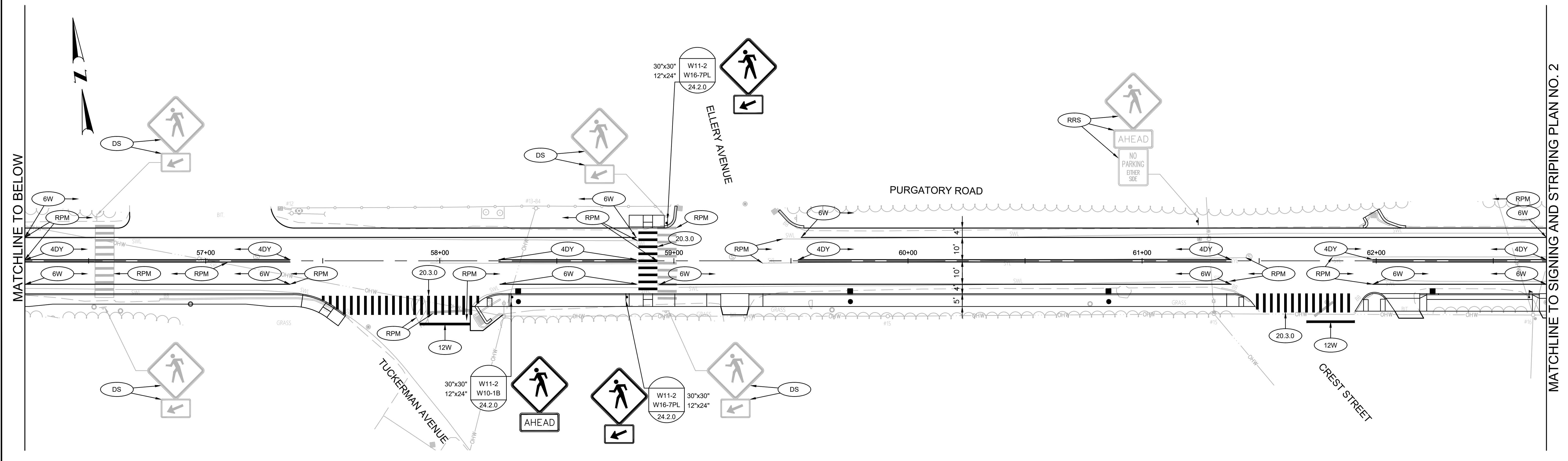
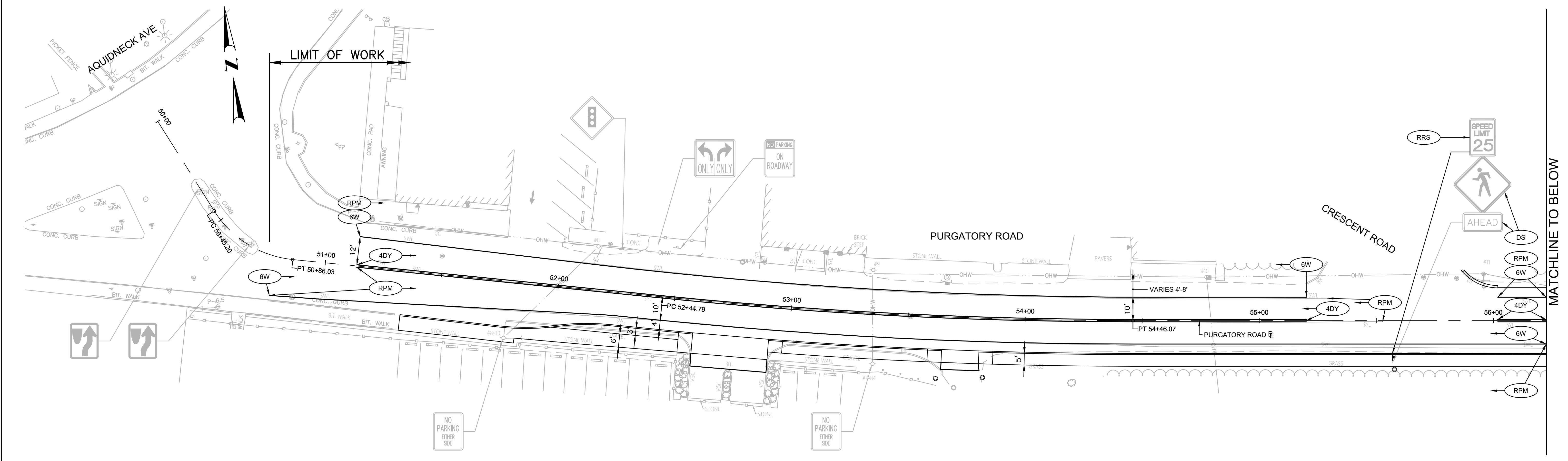
SCALE: 1"=20'

REVISIONS			REVISIONS		
NO.	DATE	BY	NO.	DATE	BY

PURGATORY ROAD SIDEWALK IMPROVEMENTS

MIDDLETOWN RHODE ISLAND

LOCATION PLAN NO. 4



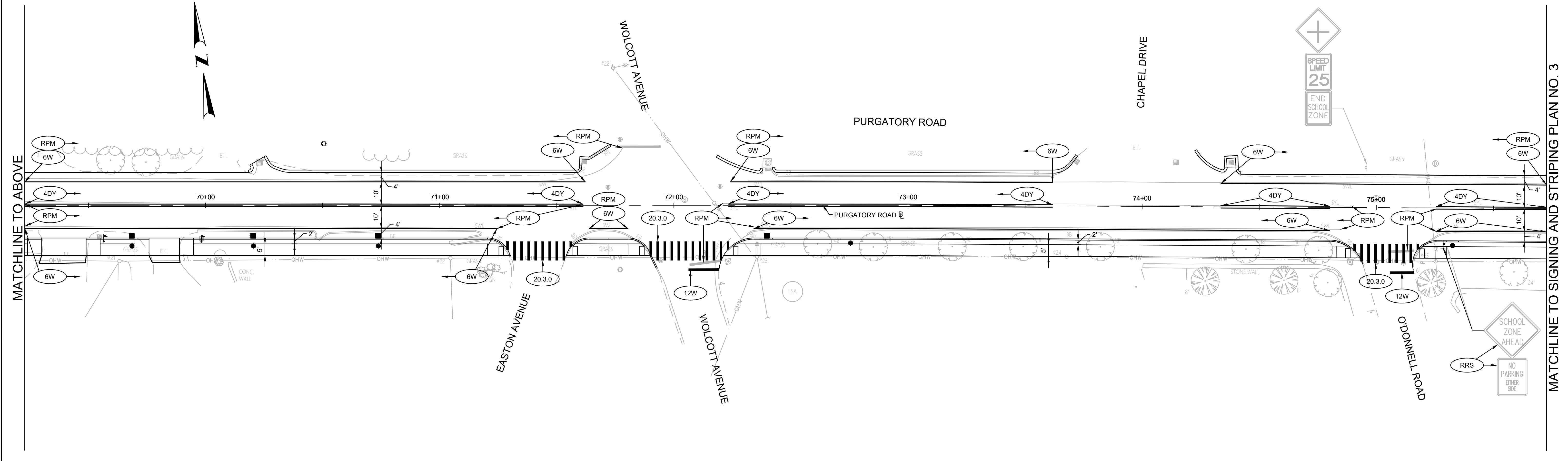
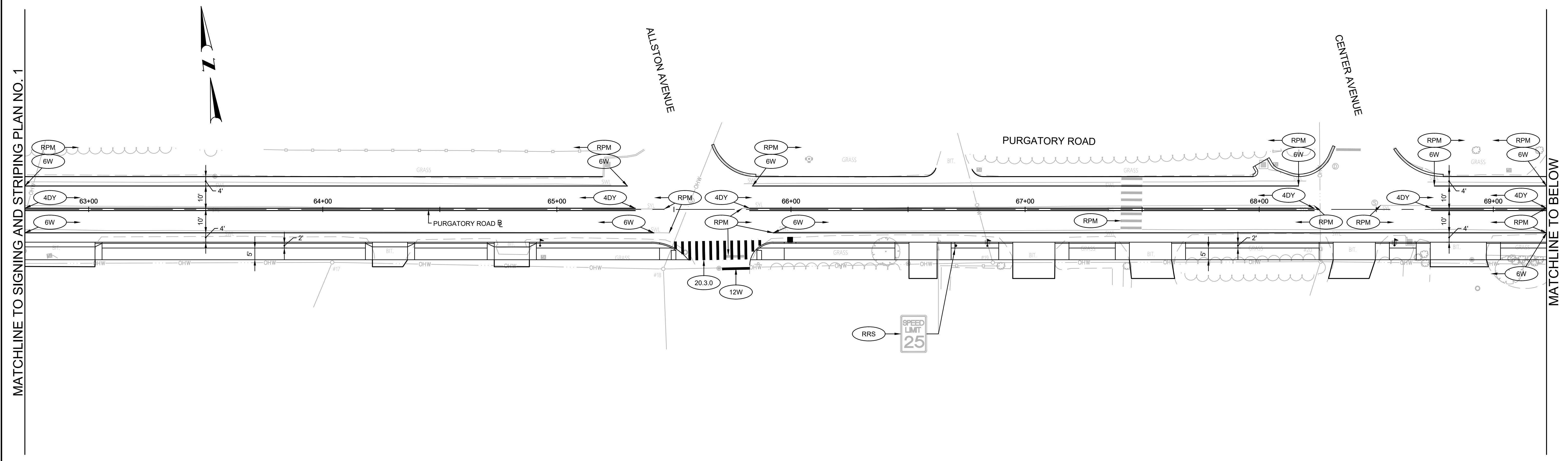
TOWN OF
MIDDLETOWN

DESIGNED BY:
CHECKED BY:
DATE:
SHEET: 20
OF: 36

SCALE: 1"=20'

REVISIONS					
NO.	DATE	BY	NO.	DATE	BY

PURGATORY ROAD SIDEWALK IMPROVEMENTS
MIDDLETOWN RHODE ISLAND
SIGNING AND STRIPING PLAN NO. 1



TOWN OF
MIDDLETOWN

DESIGNED BY:
CHECKED BY:
DATE:
SHEET: 21
OF: 36

SCALE: 1"=20'

GRAPHIC SCALE					
10	0	0	0	0	0
REVISIONS			REVISIONS		
NO.	DATE	BY	NO.	DATE	BY

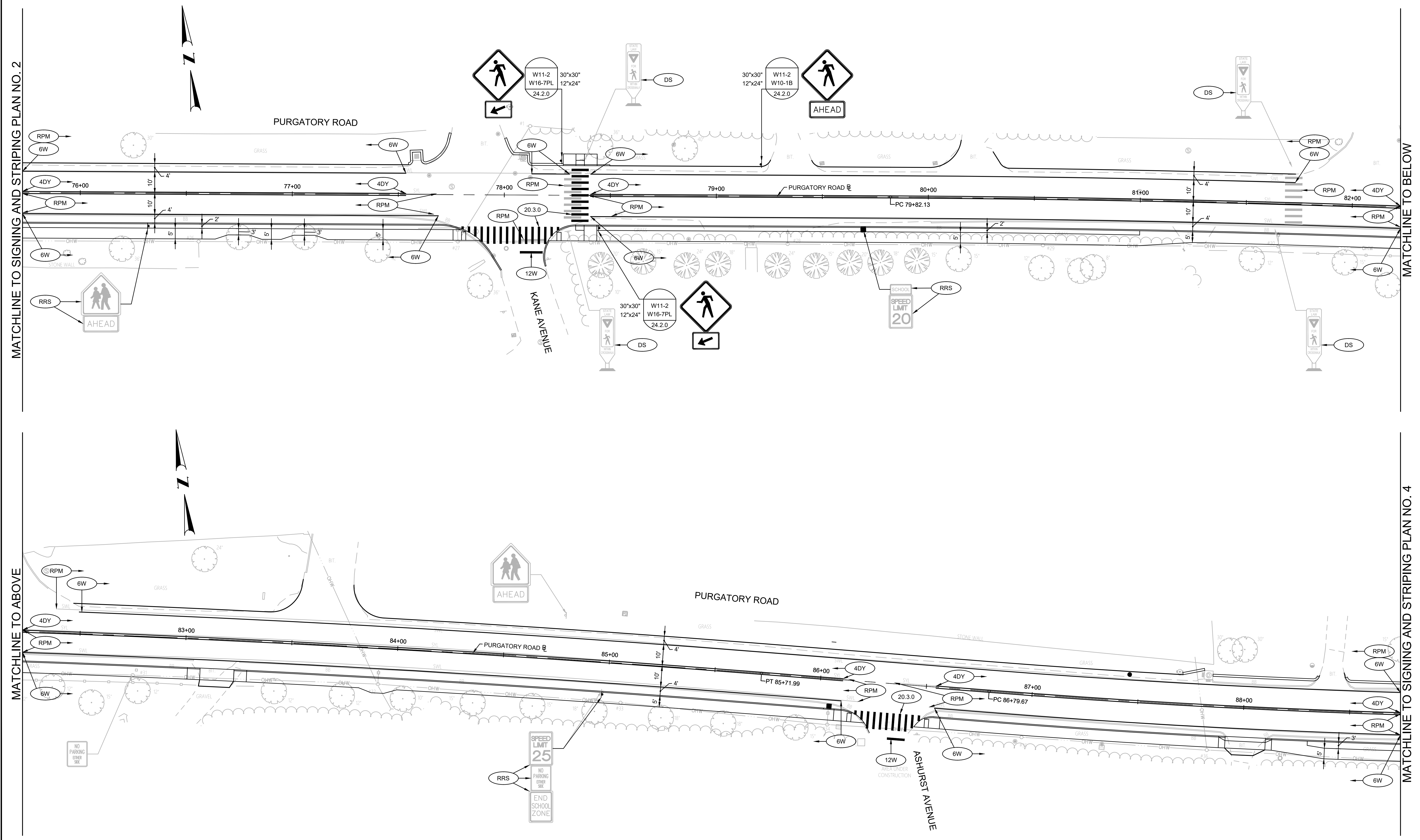
PURGATORY ROAD SIDEWALK IMPROVEMENTS
MIDDLETOWN RHODE ISLAND
SIGNING AND STRIPING PLAN NO. 2

MATCHLINE TO SIGNING AND STRIPING PLAN NO. 2

MATCHLINE TO BELOW

MATCHLINE TO ABOVE

MATCHLINE TO SIGNING AND STRIPING PLAN NO. 4



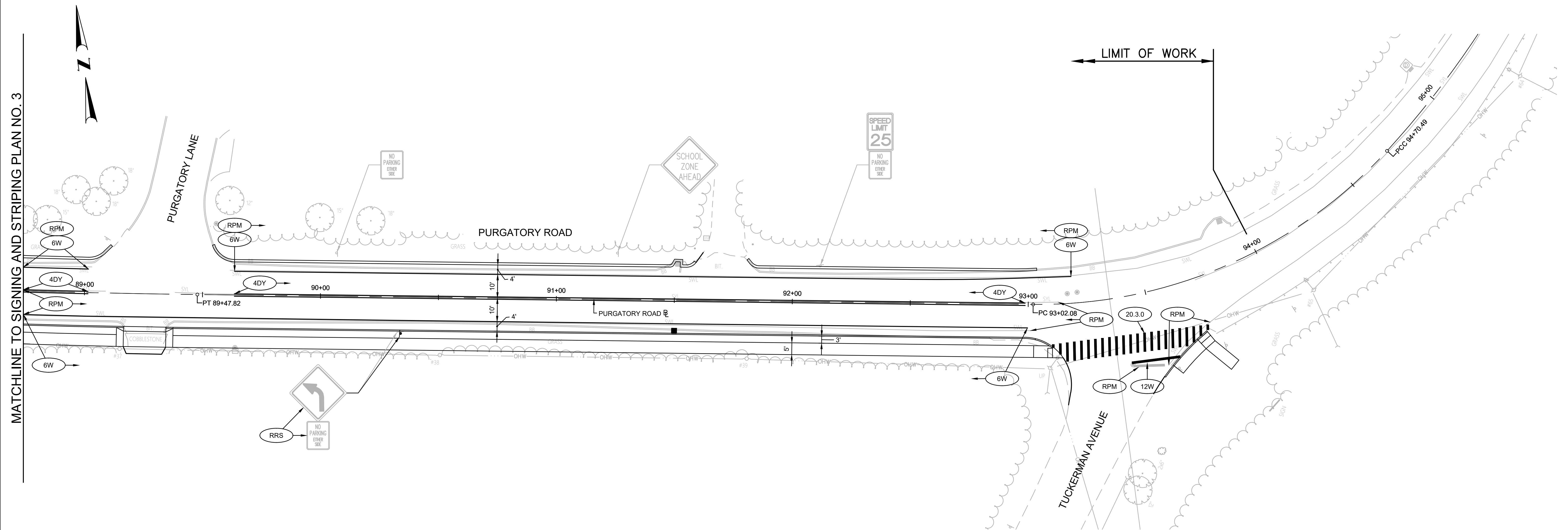
TOWN OF
MIDDLETOWN

DESIGNED BY:
CHECKED BY:
DATE:
SHEET: 22
OF: 36

SCALE: 1"=20'

GRAPHIC SCALE					
10	0	0	10	20	40
REVISIONS			REVISIONS		
NO.	DATE	BY	NO.	DATE	BY

PURGATORY ROAD SIDEWALK IMPROVEMENTS
MIDDLETOWN RHODE ISLAND
SIGNING AND STRIPING PLAN NO. 3



MATCHLINE TO SIGNING AND STRIPING PLAN NO. 3



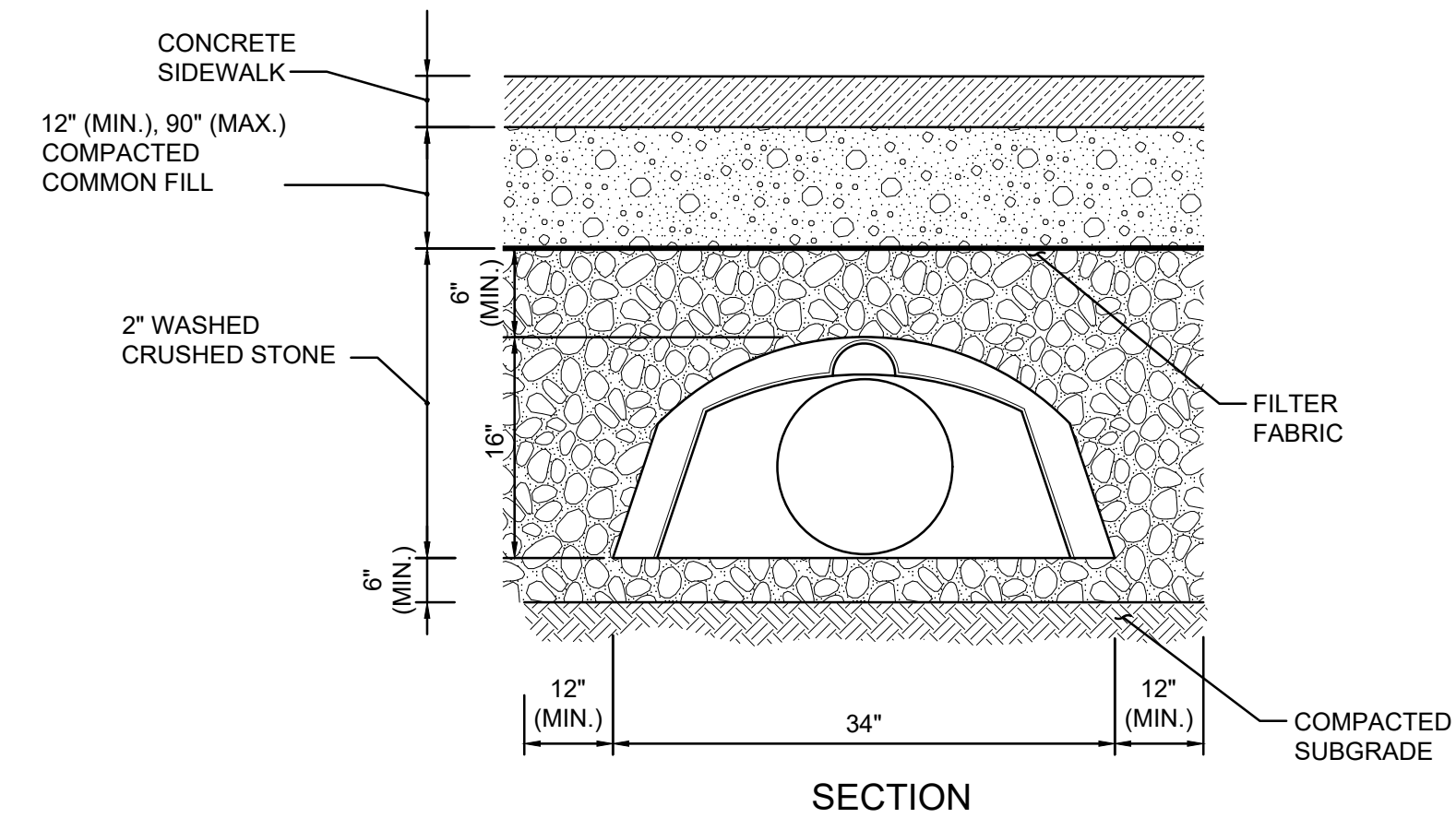
TOWN OF
MIDDLETOWN

DESIGNED BY:
CHECKED BY:
DATE:
SHEET: 23
OF: 36

SCALE: 1"=20'

REVISIONS					
NO.	DATE	BY	NO.	DATE	BY

PURGATORY ROAD SIDEWALK IMPROVEMENTS
MIDDLETOWN RHODE ISLAND
SIGNING AND STRIPING PLAN NO. 4

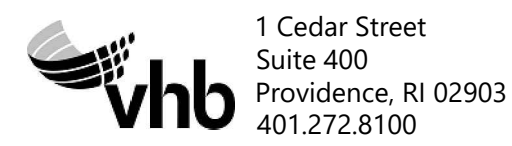
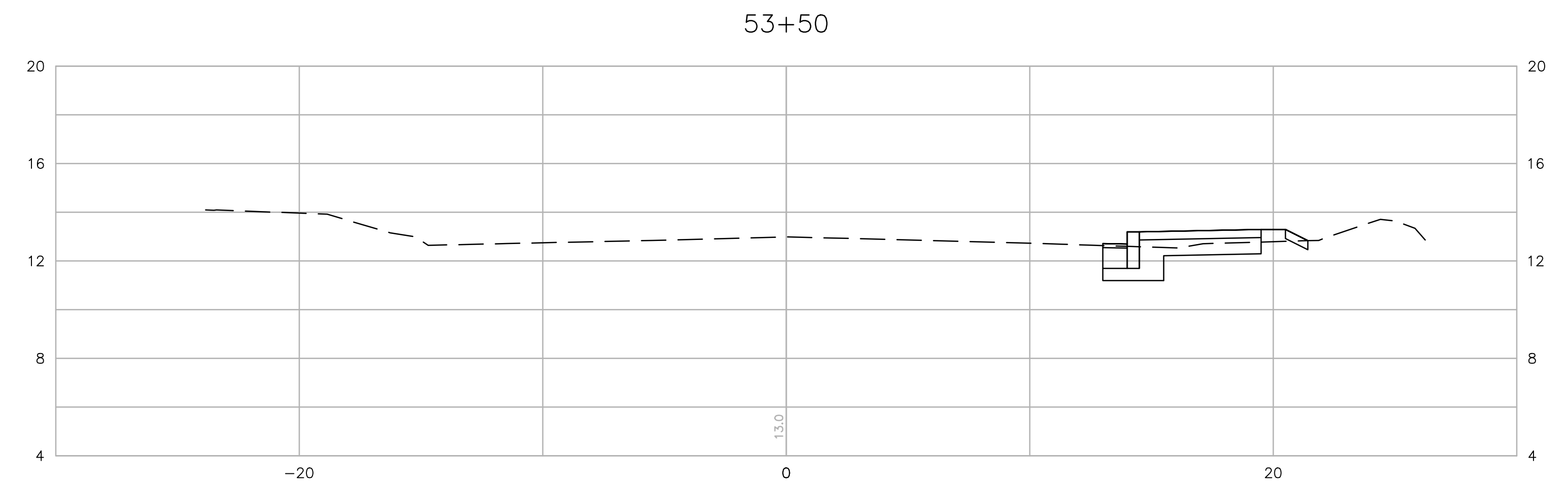
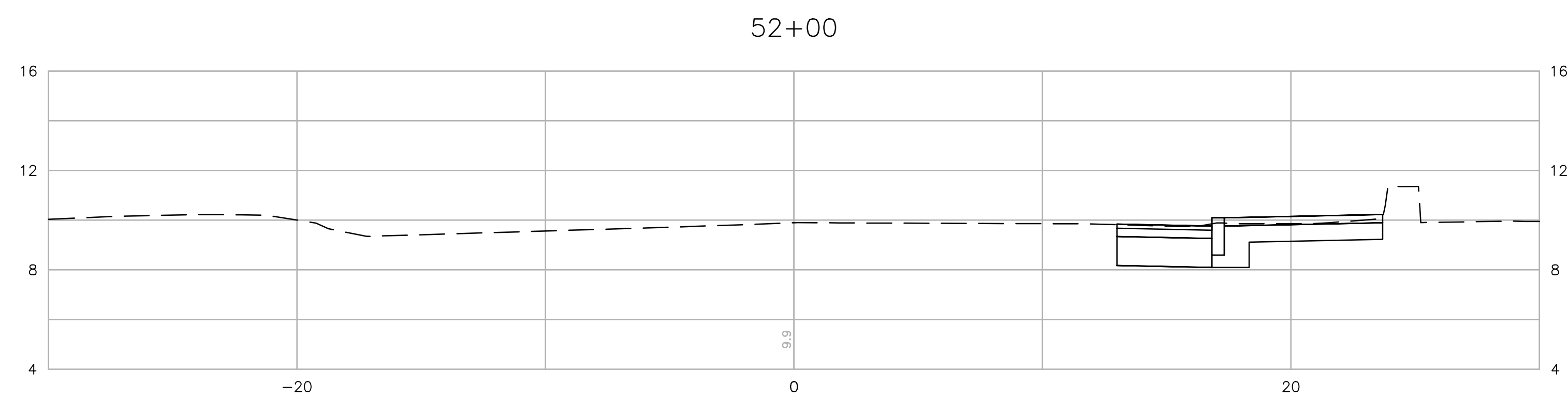
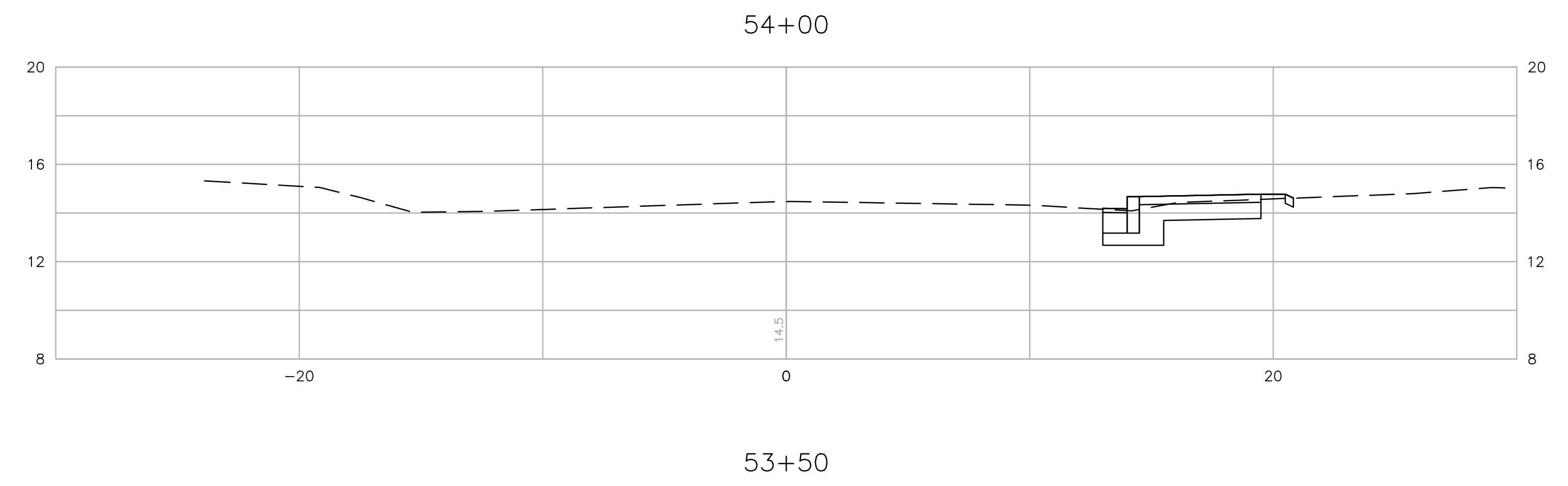
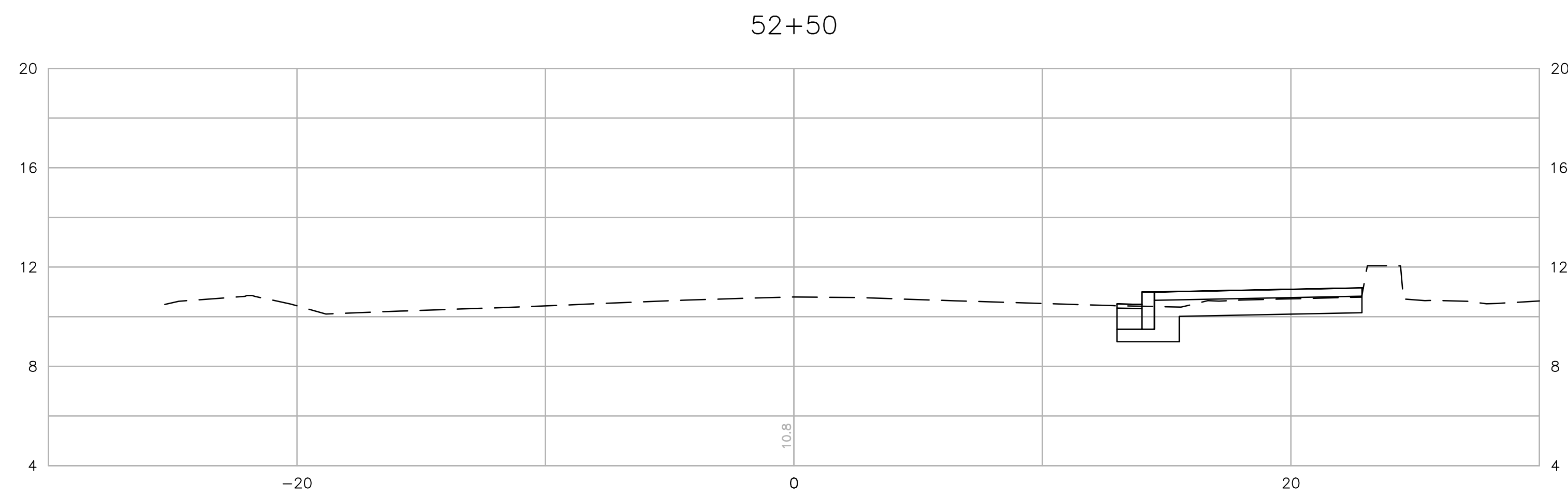
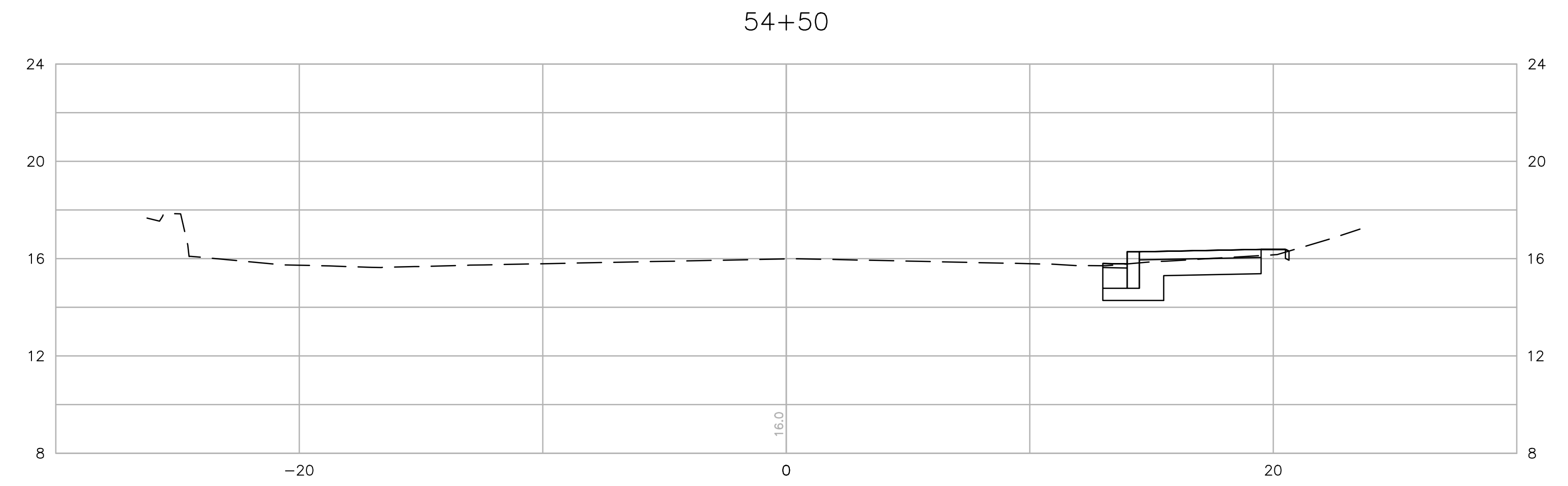
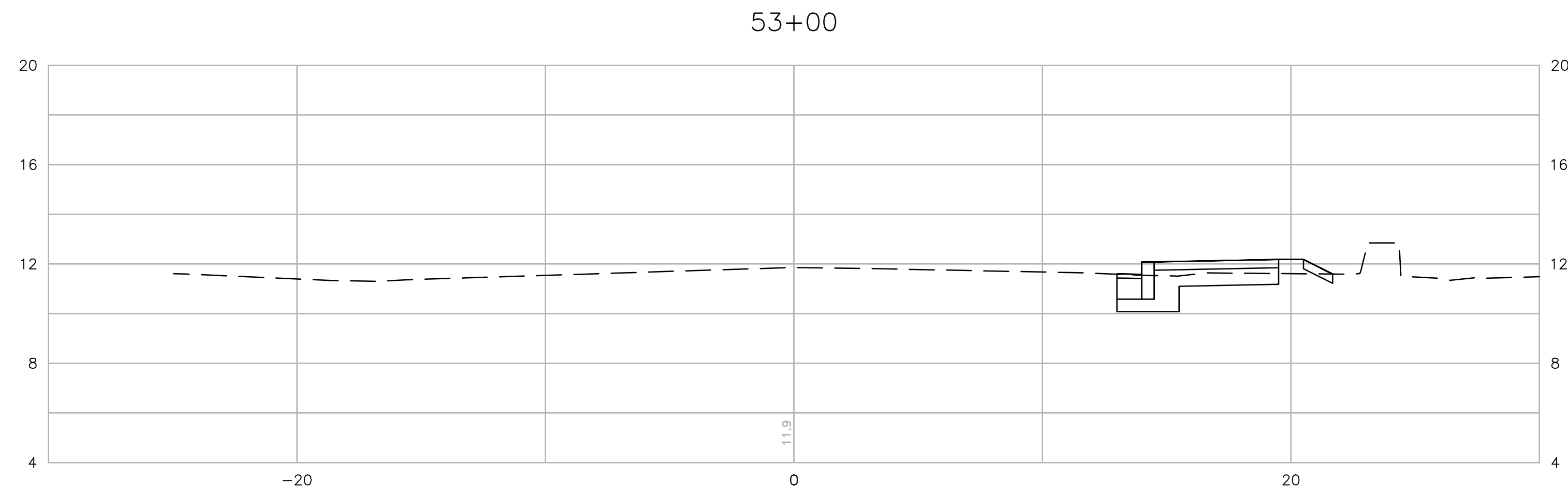


NOTES

ALL DIMENSIONS AND INSTALLATION PROCEDURES MUST BE IN CONFORMANCE WITH MANUFACTURER'S RECOMMENDATIONS AND AS APPROVED BY ENGINEER.

UIS UNDERGROUND INFILTRATION SYSTEM
NOT TO SCALE

REVISIONS			REVISIONS		
NO.	DATE	BY	NO.	DATE	BY



TOWN OF
MIDDLETOWN

DESIGNED BY:
CHECKED BY:
DATE:
SHEET: 25
OF: 36

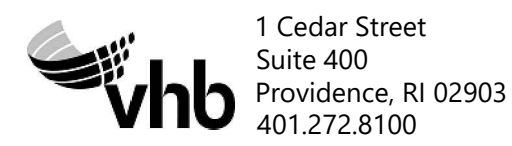
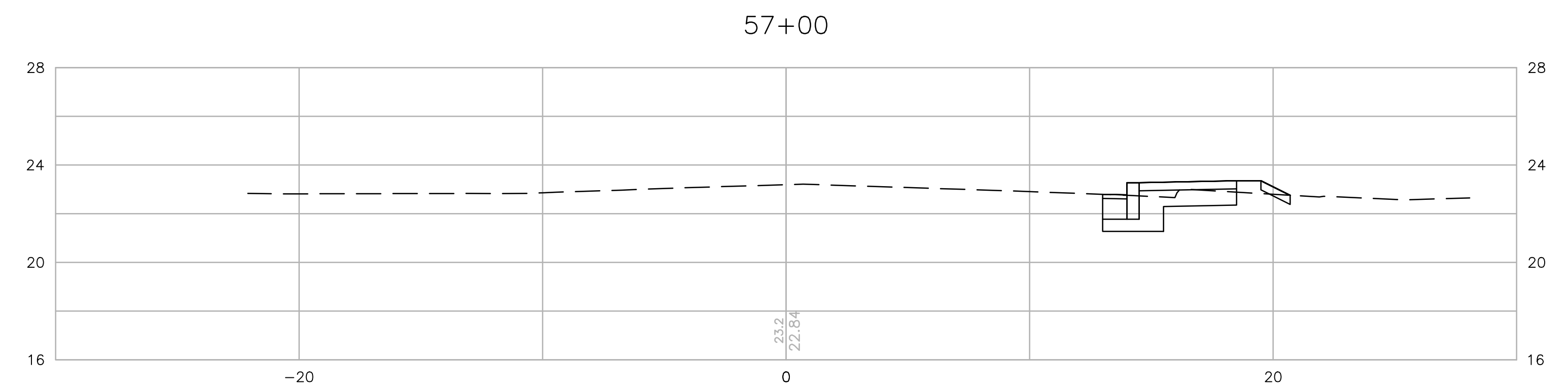
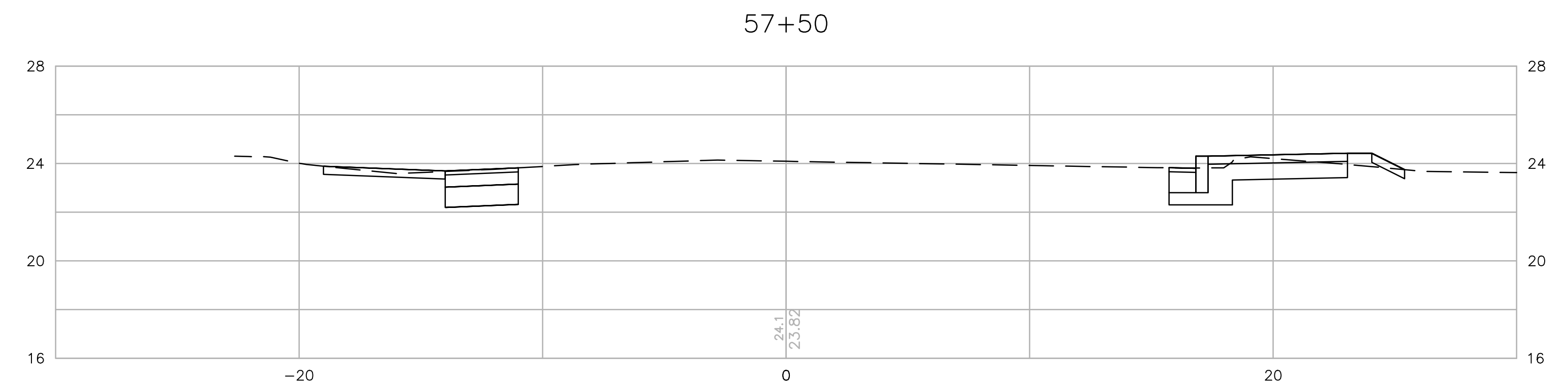
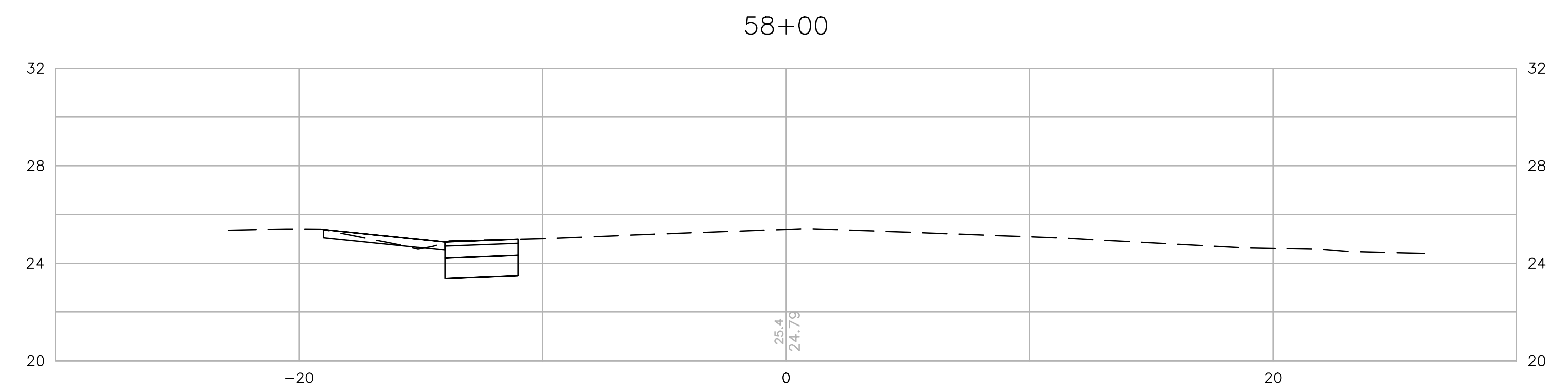
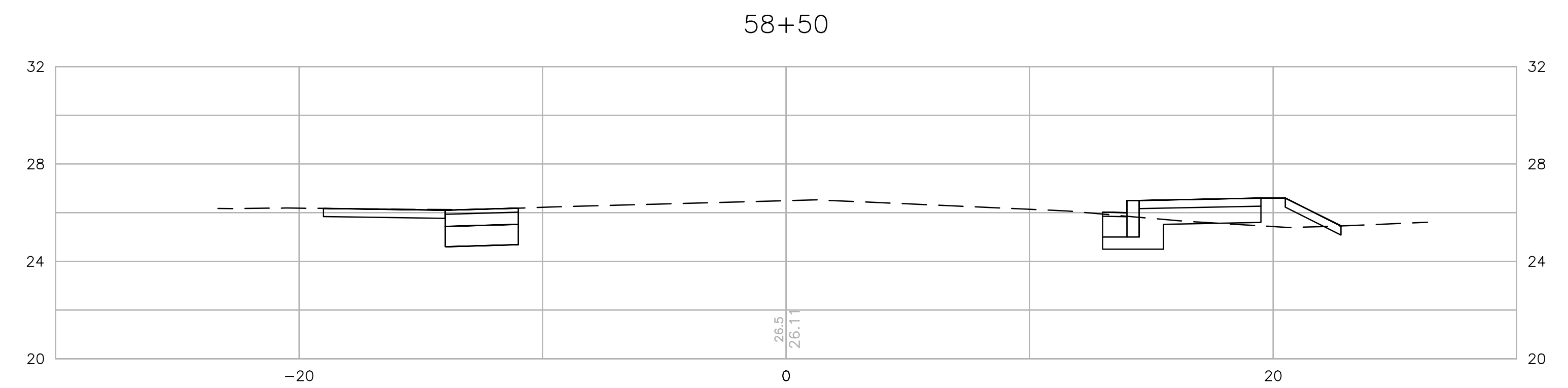
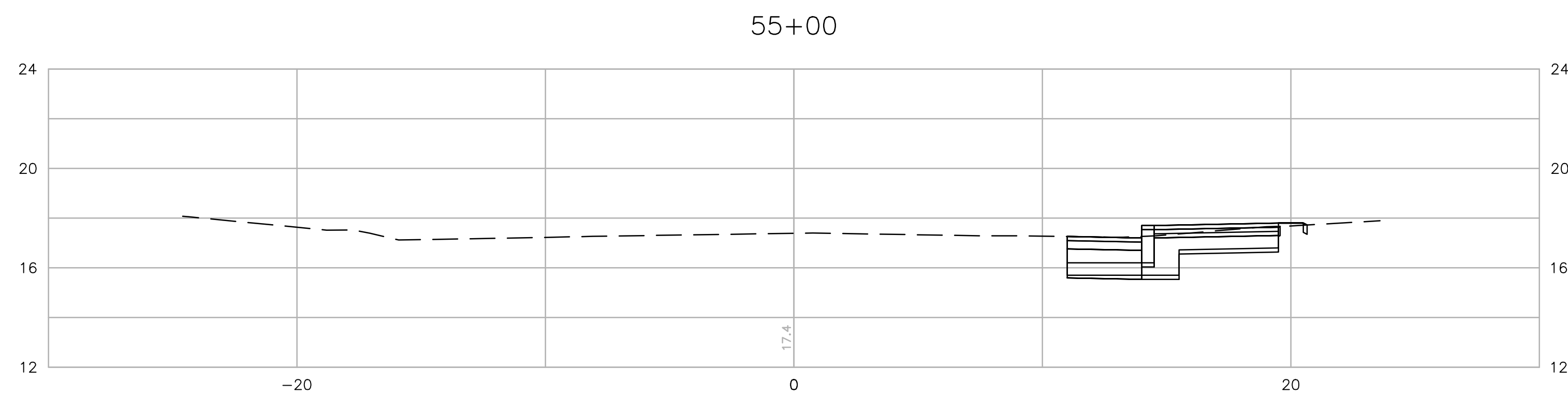
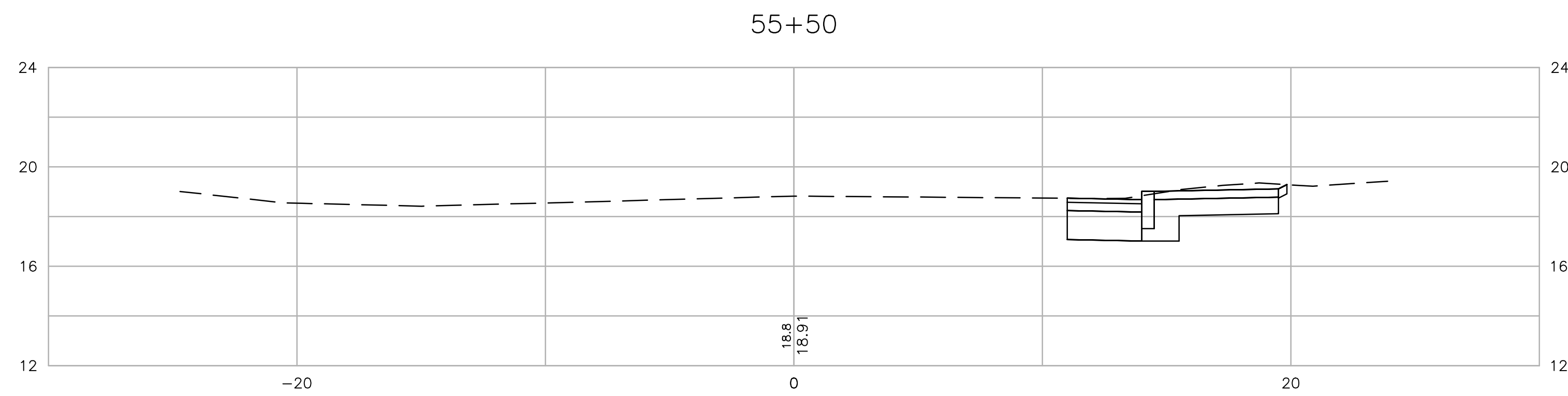
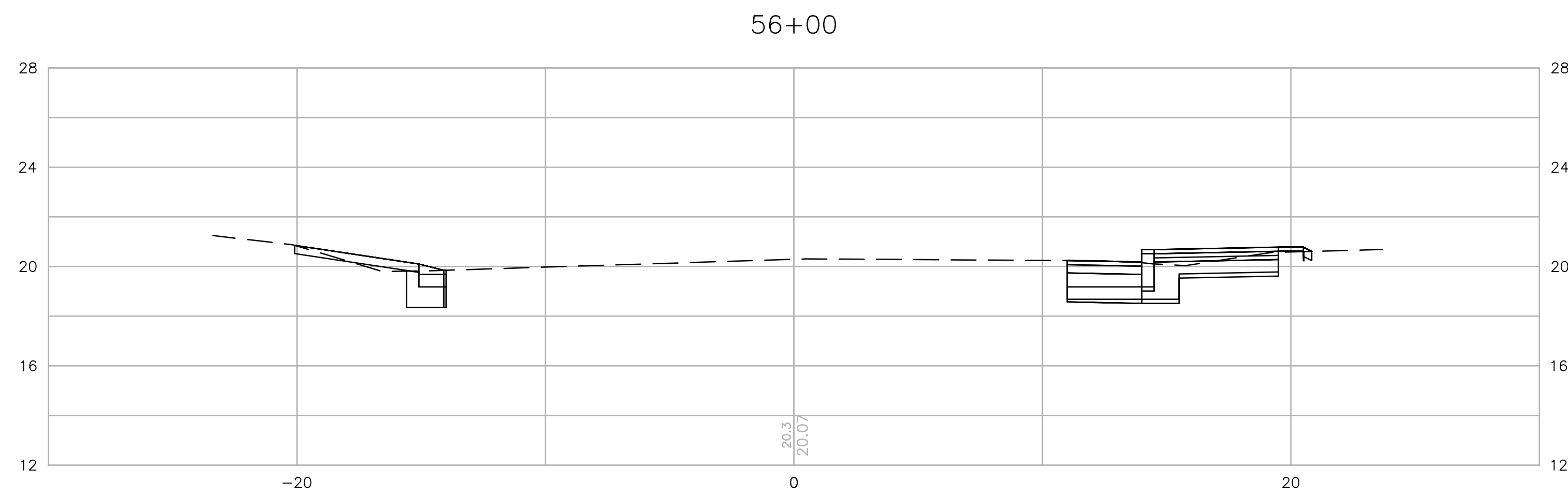
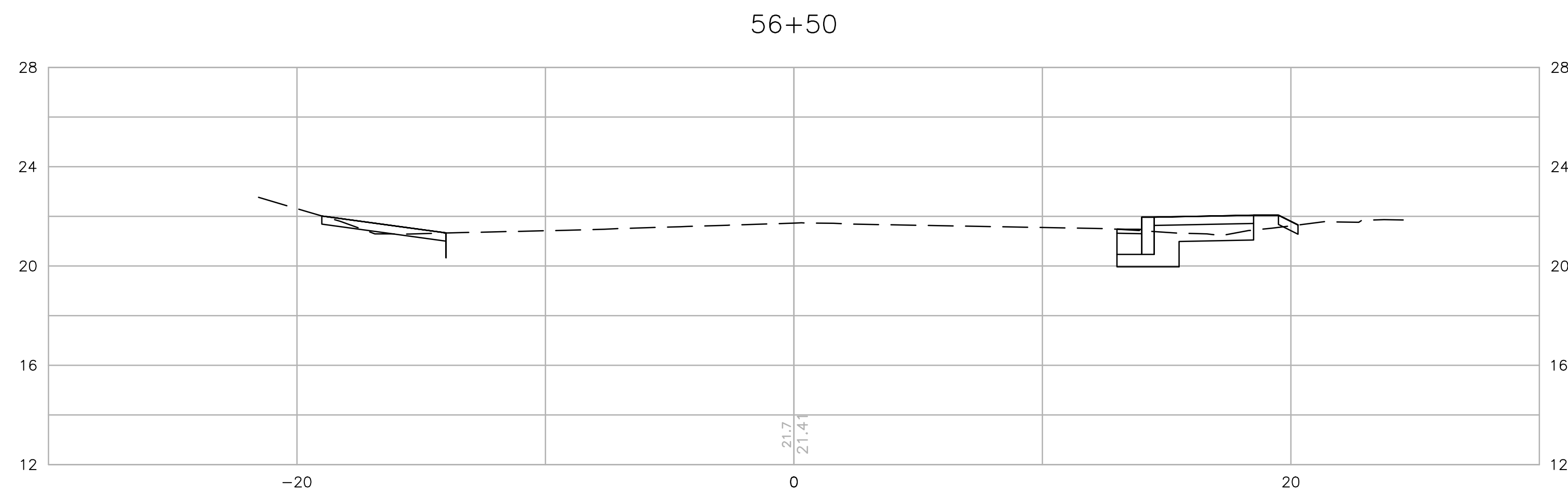
SCALE: 1"=4'

REVISIONS			REVISIONS		
NO.	DATE	BY	NO.	DATE	BY

PURGATORY ROAD SIDEWALK IMPROVEMENTS

MIDDLETOWN RHODE ISLAND

CROSS SECTION



TOWN OF
MIDDLETOWN

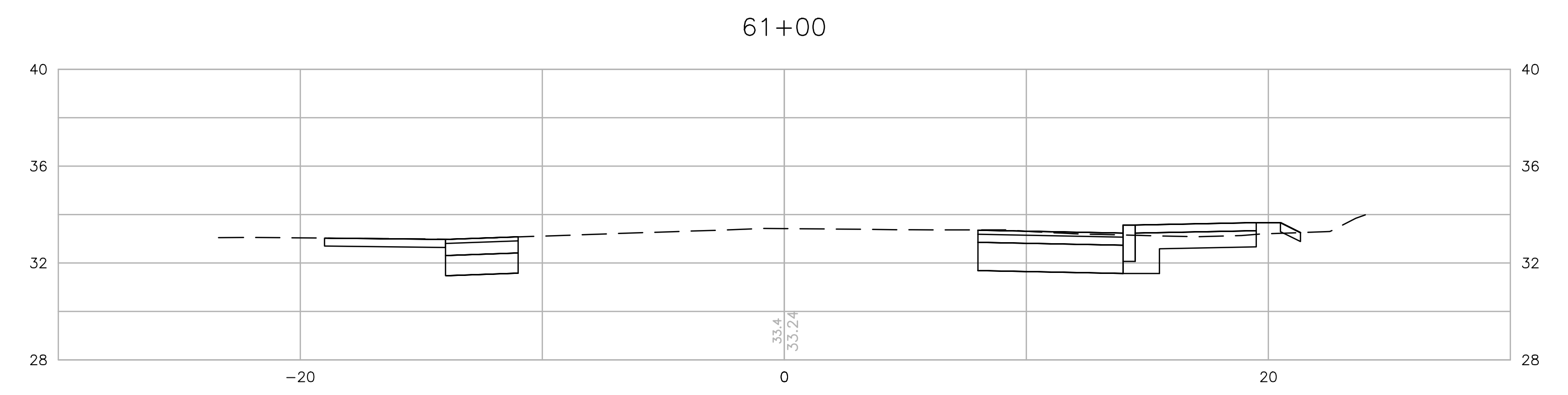
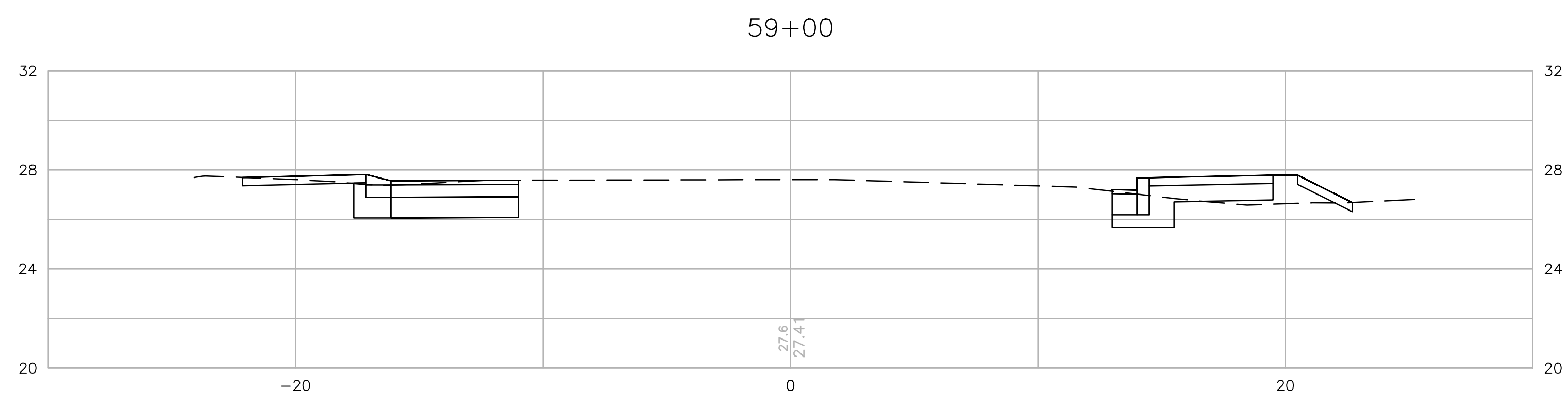
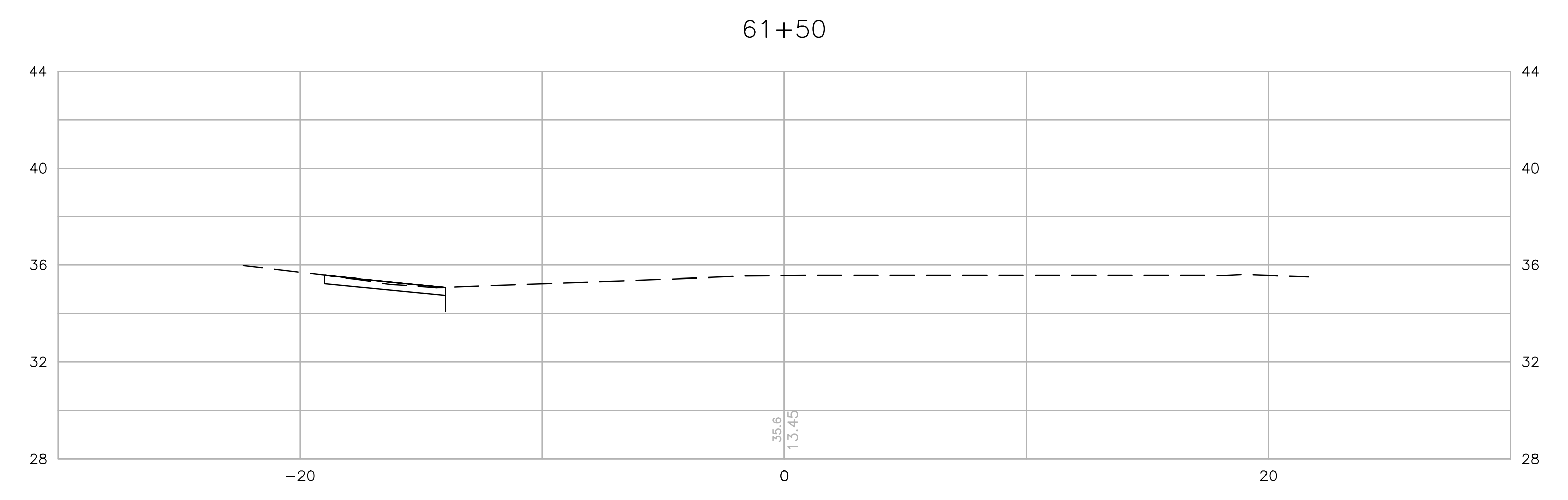
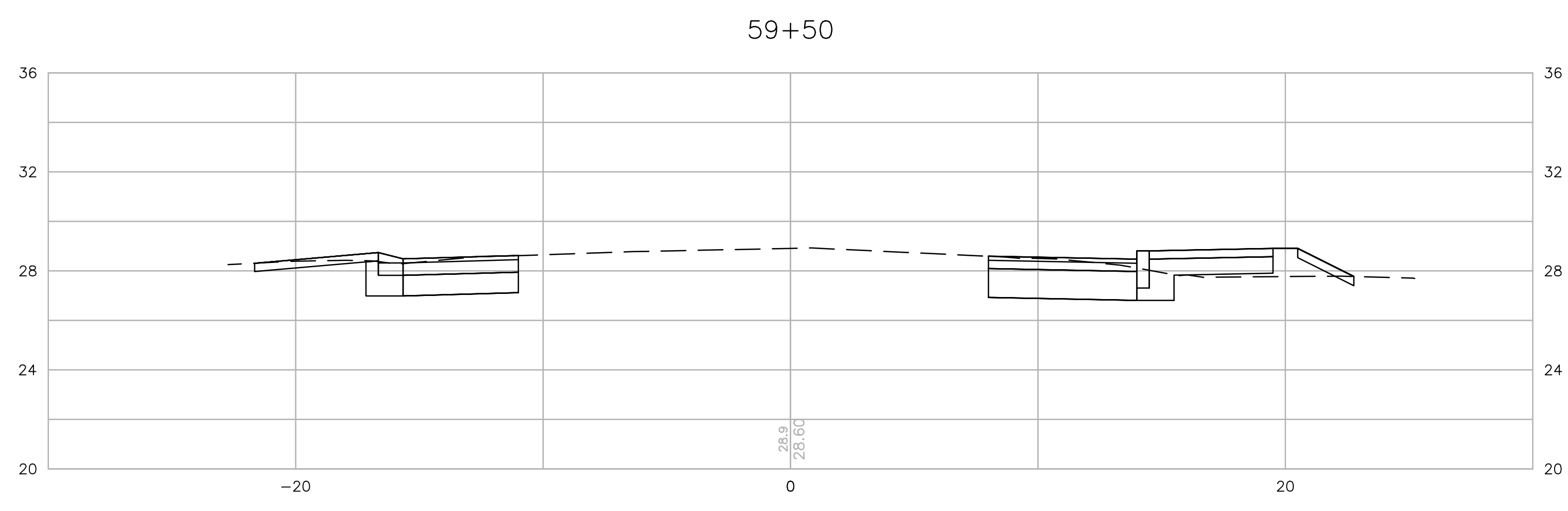
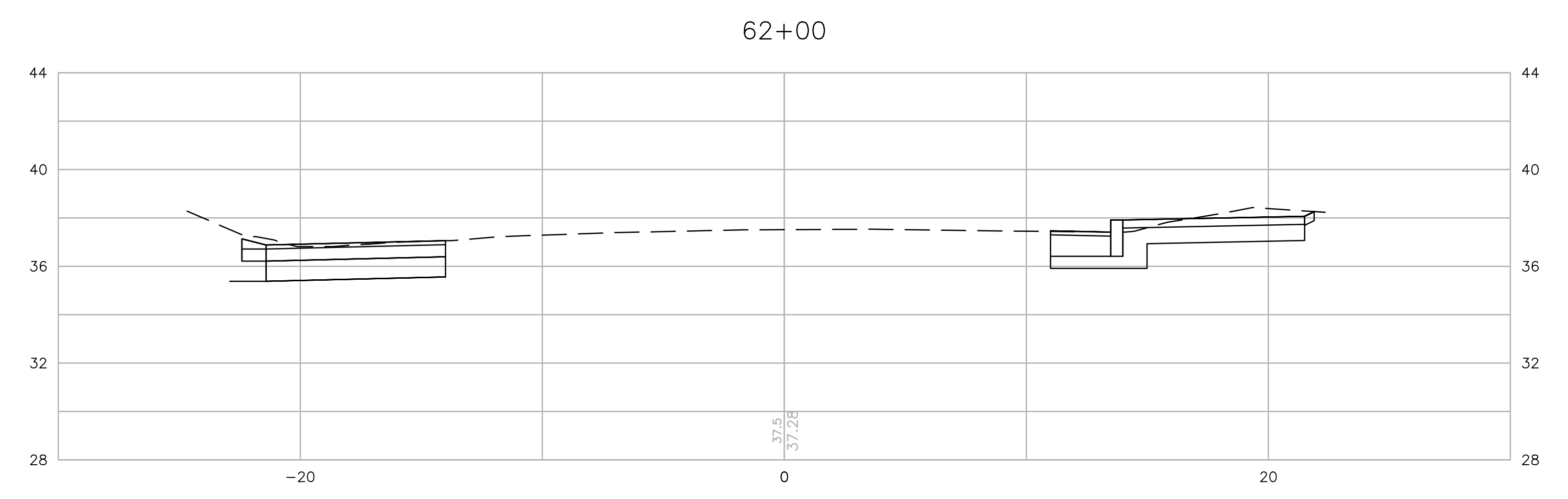
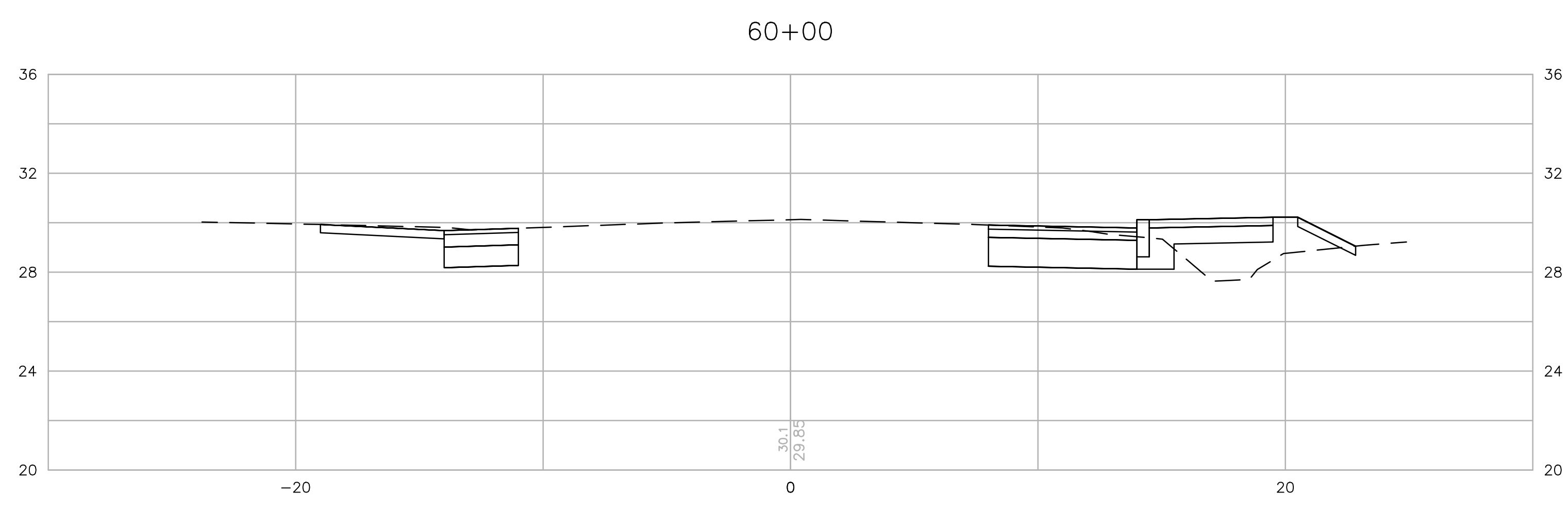
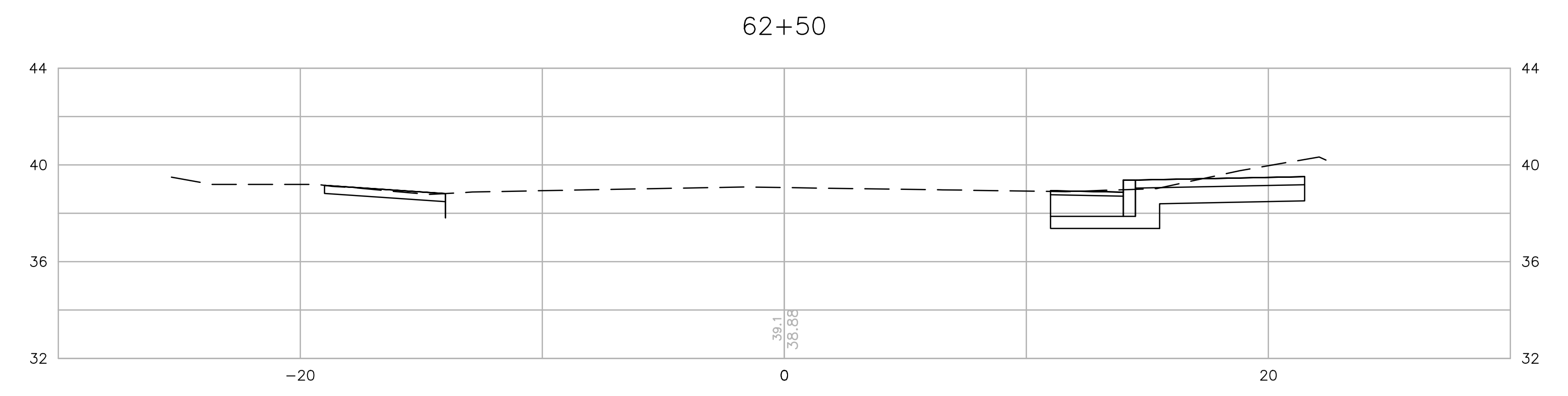
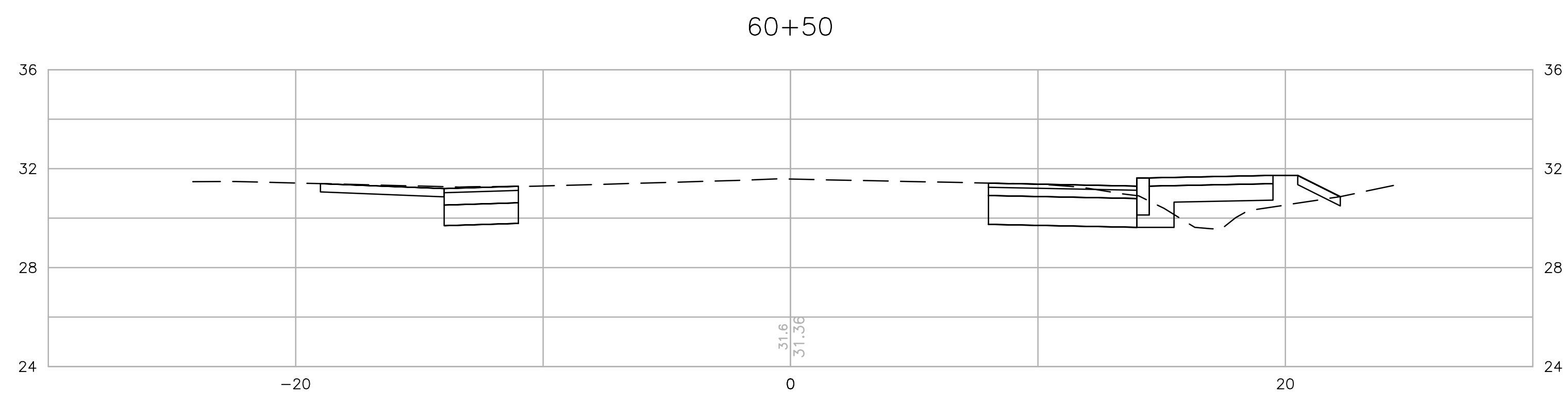
DESIGNED BY:
CHECKED BY:
DATE:
SHEET: 26
OF: 36

SCALE: 1"=4'

REVISIONS			REVISIONS		
NO.	DATE	BY	NO.	DATE	BY

PURGATORY ROAD SIDEWALK IMPROVEMENTS
MIDDLETOWN RHODE ISLAND

CROSS SECTION



TOWN OF
MIDDLETOWN

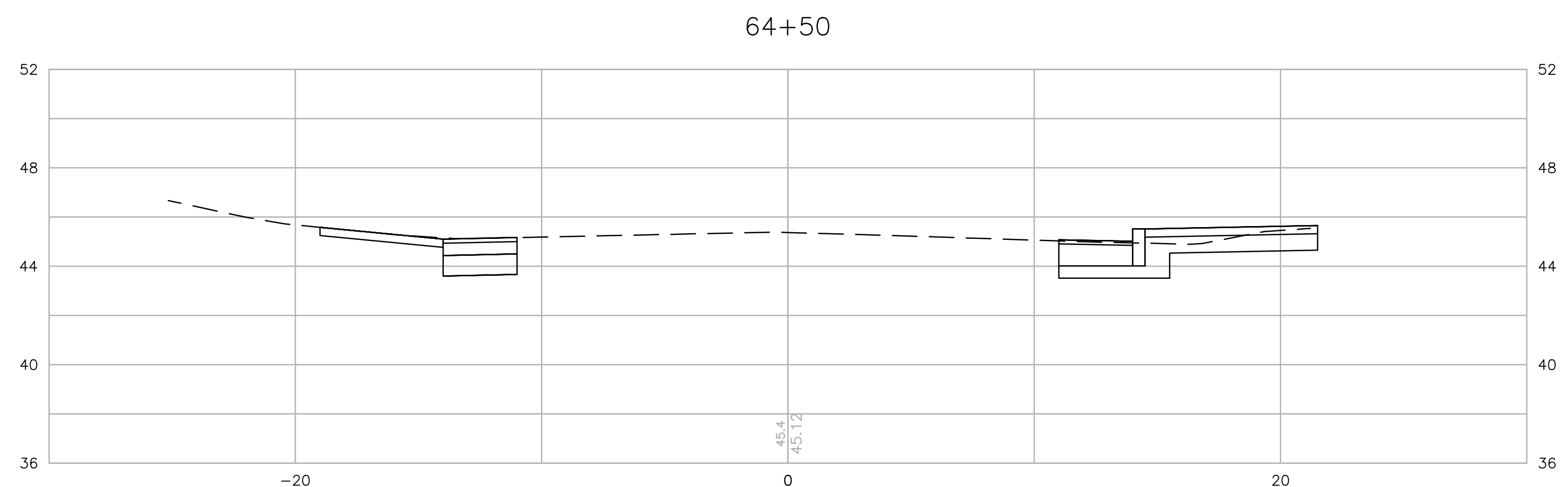
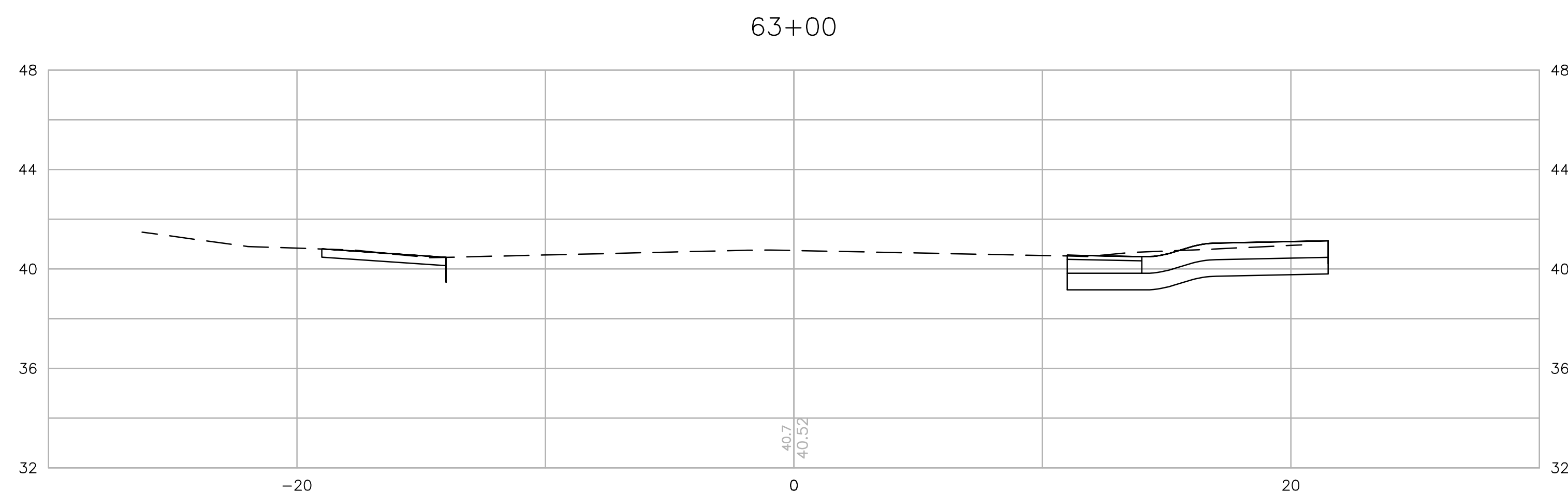
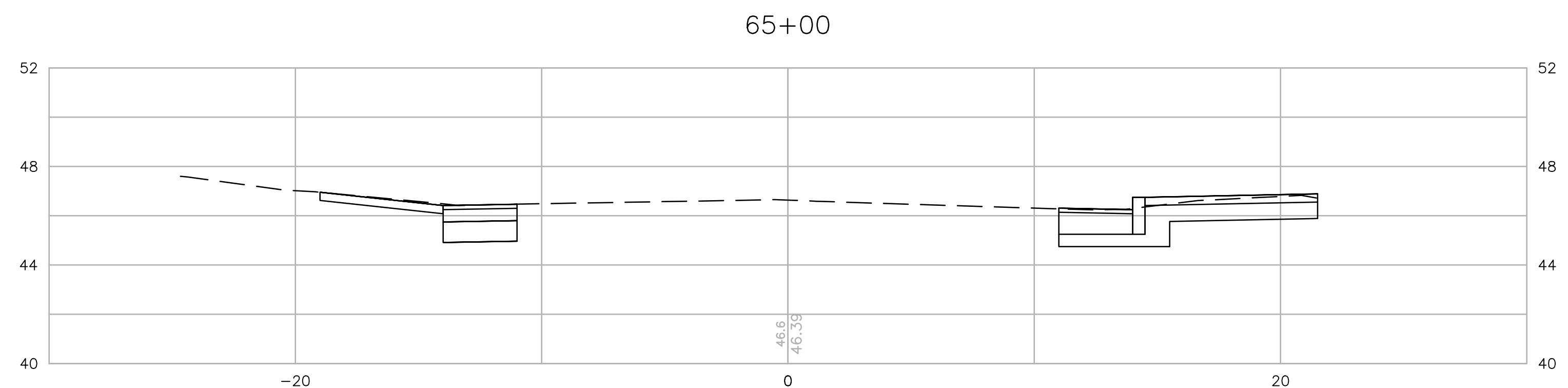
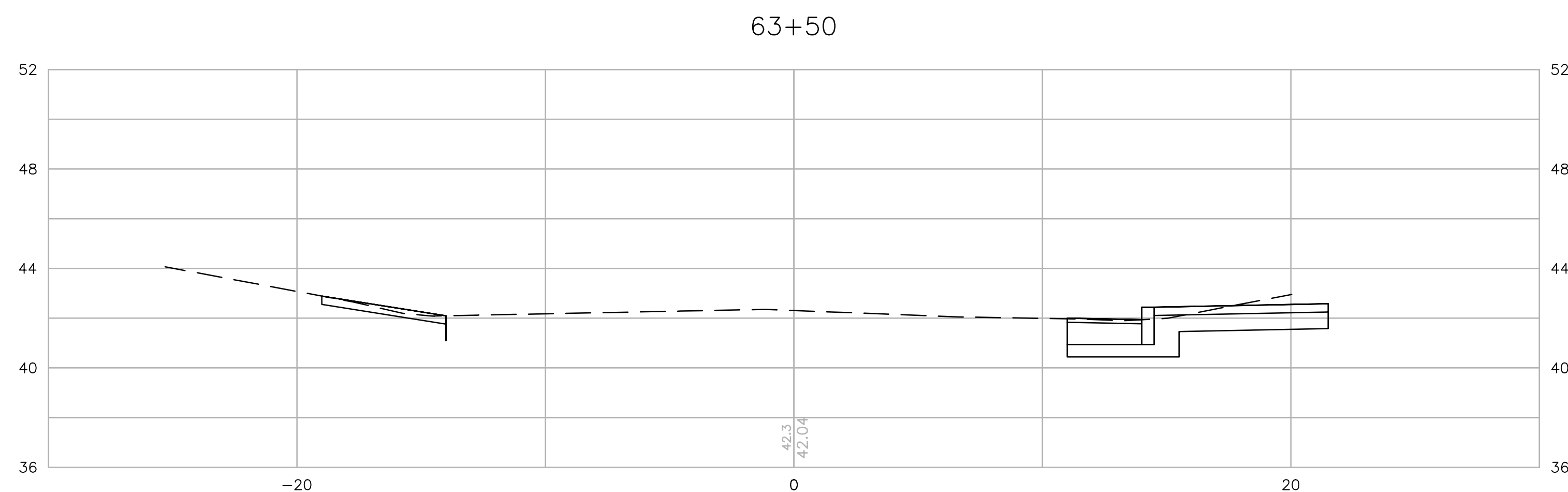
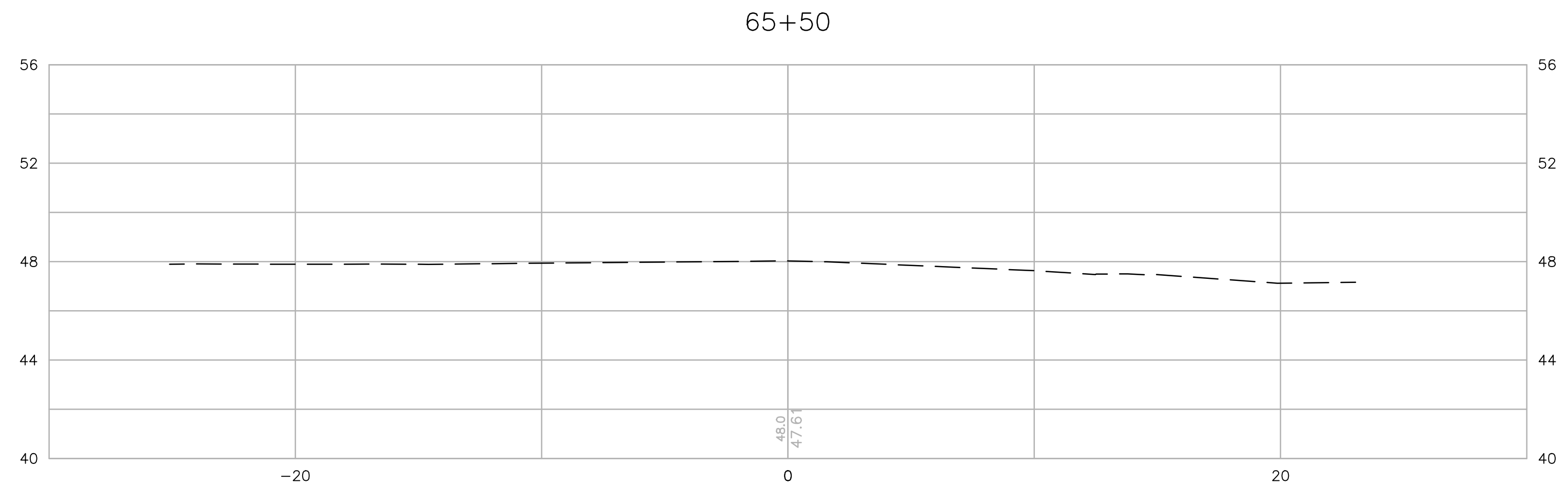
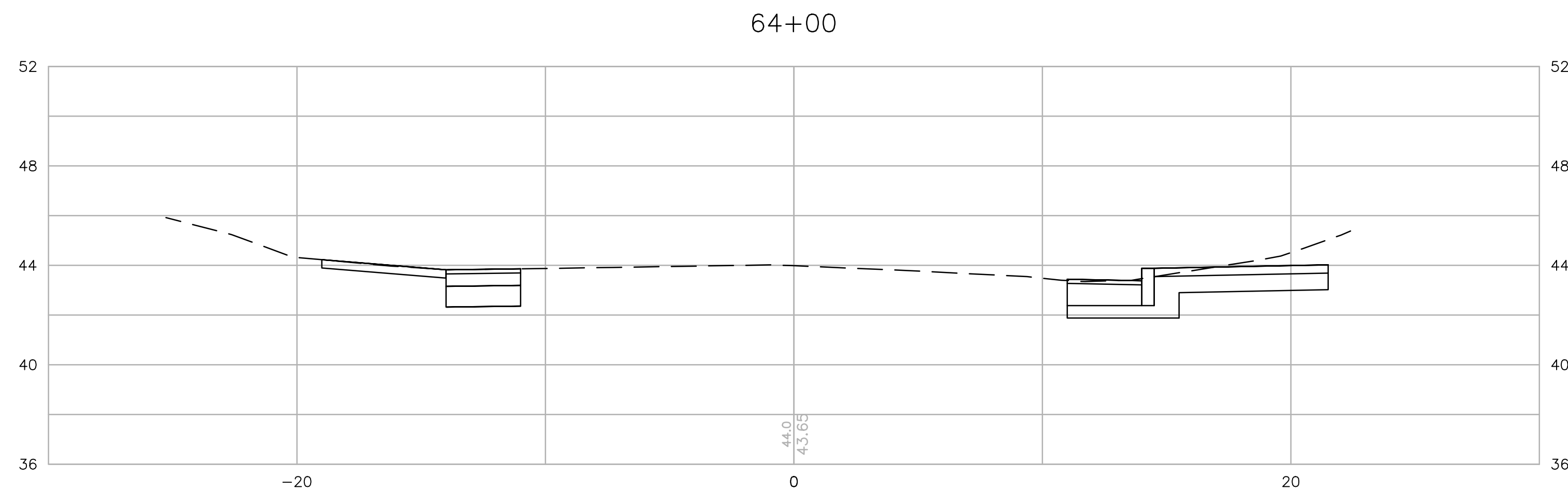
DESIGNED BY:
CHECKED BY:
DATE:
SHEET: 27
OF: 36

SCALE: 1"=4'

REVISIONS			REVISIONS		
NO.	DATE	BY	NO.	DATE	BY

PURGATORY ROAD SIDEWALK IMPROVEMENTS
MIDDLETOWN RHODE ISLAND

CROSS SECTION



TOWN OF
MIDDLETOWN

DESIGNED BY:
CHECKED BY:
DATE:
SHEET: 29
OF: 36

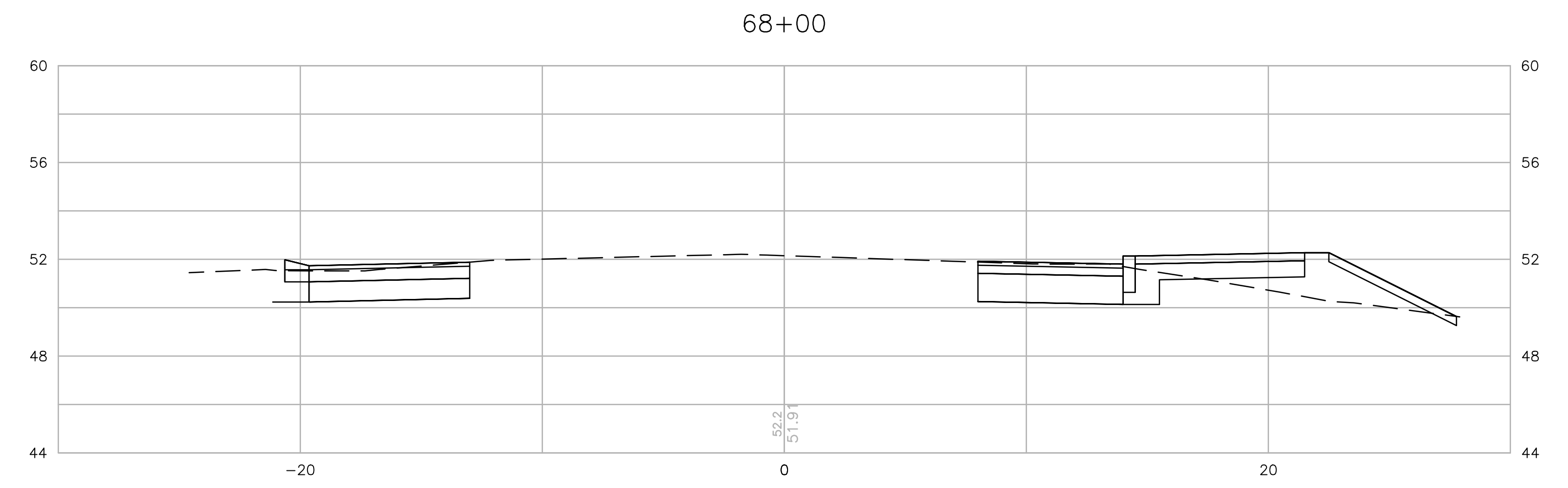
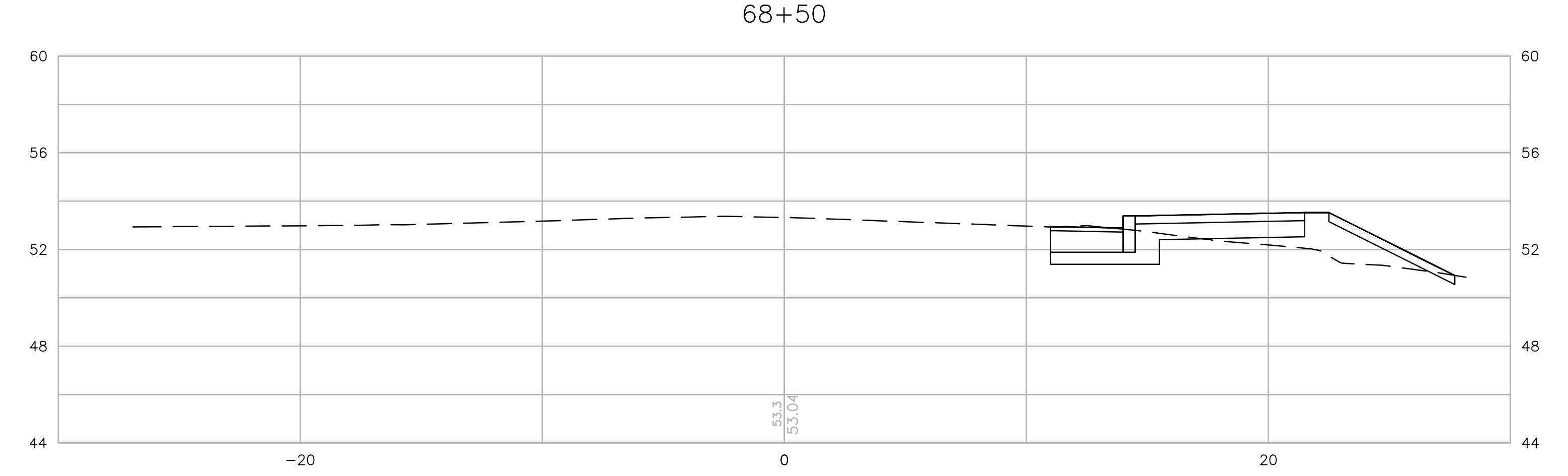
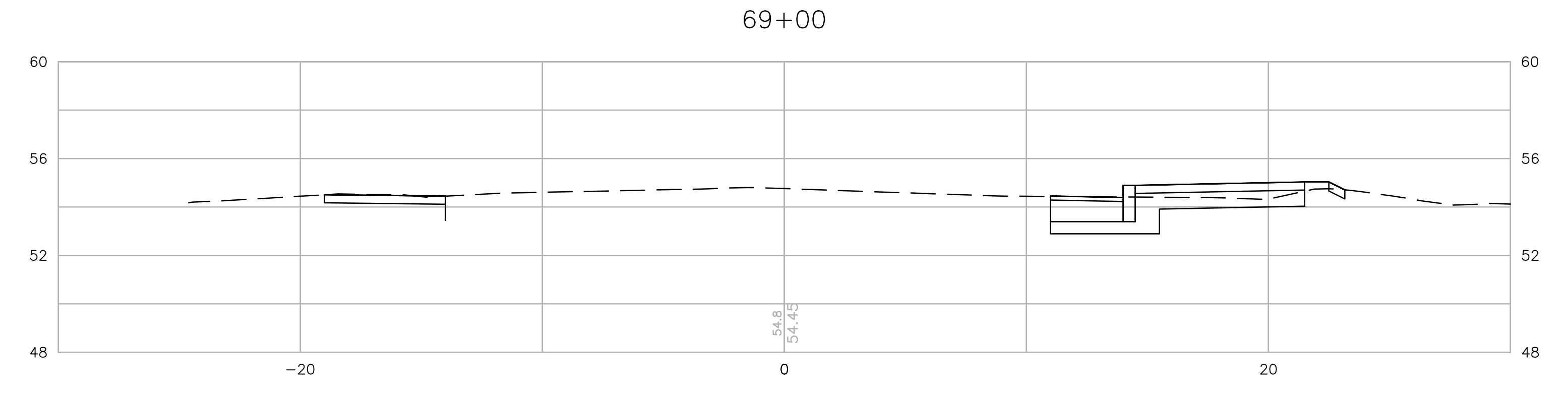
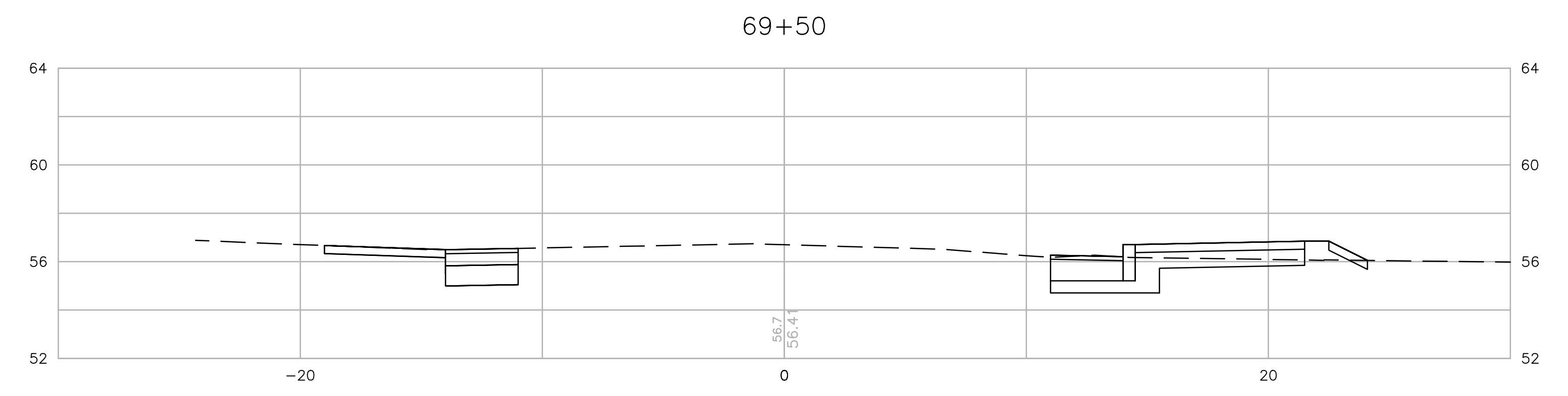
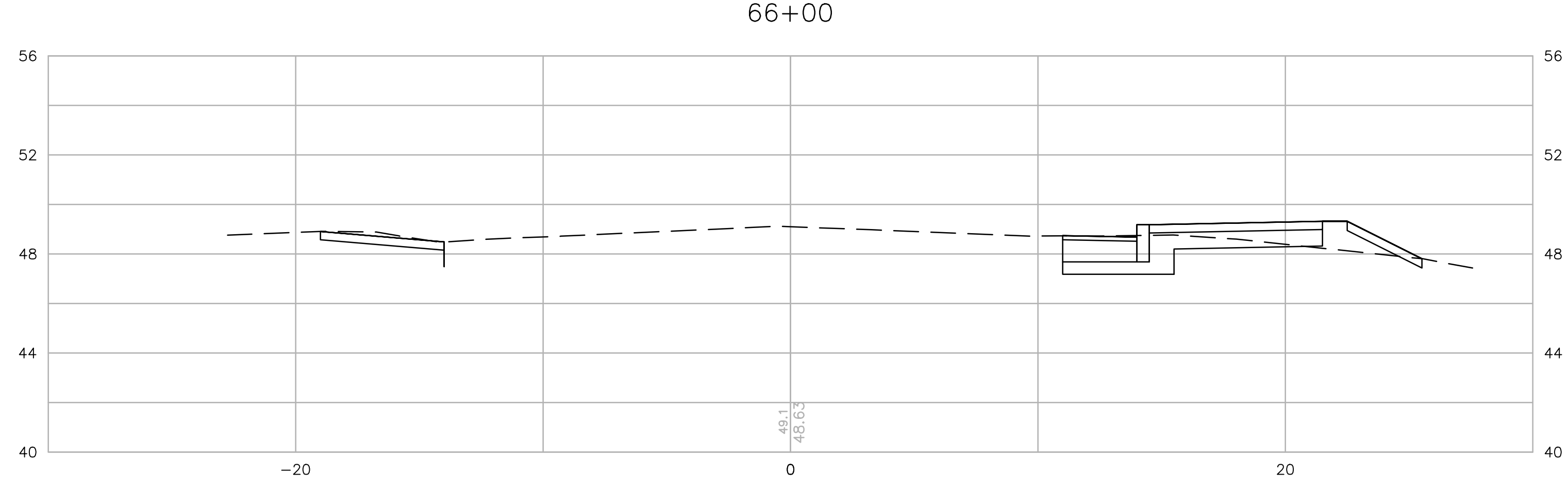
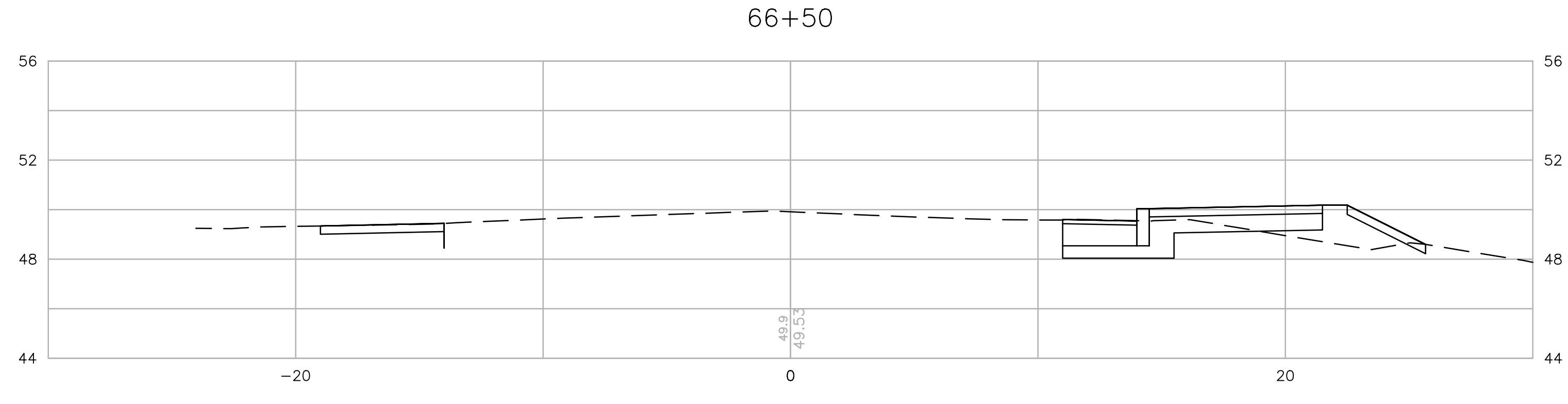
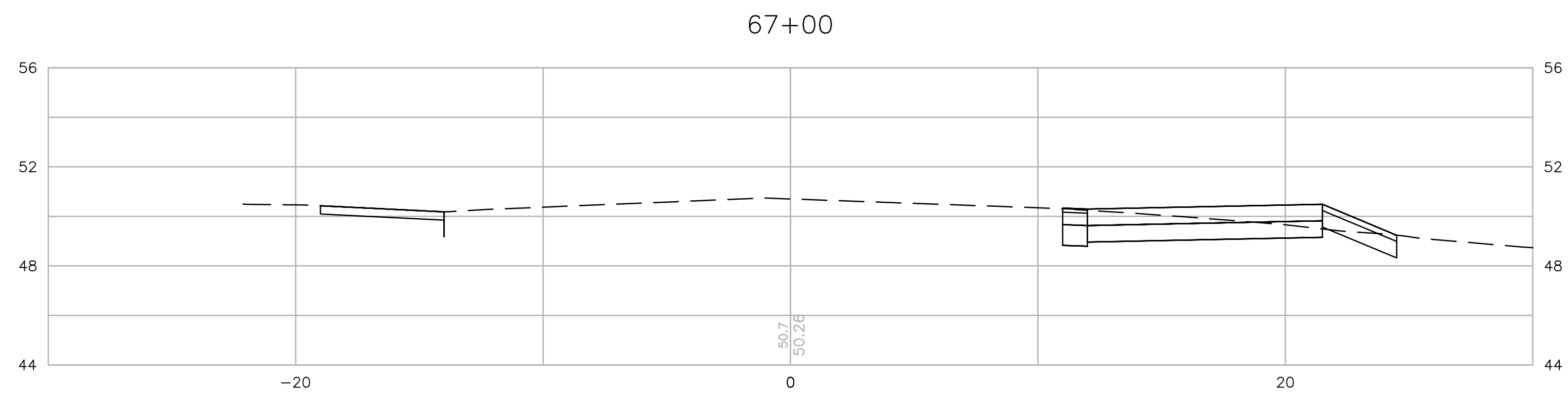
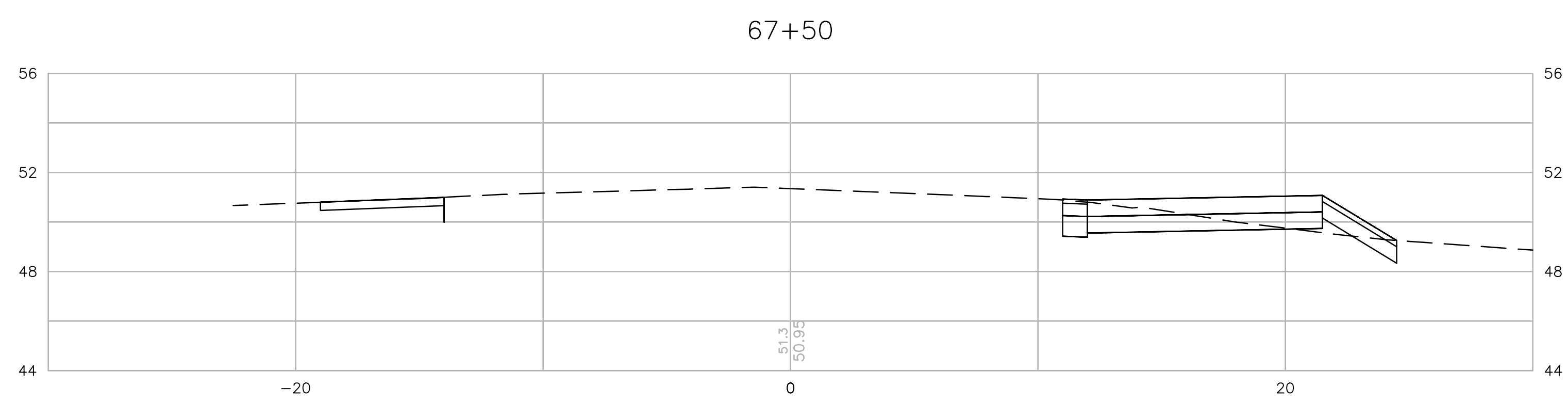
SCALE: 1"=4'

REVISIONS			REVISIONS		
NO.	DATE	BY	NO.	DATE	BY

PURGATORY ROAD SIDEWALK IMPROVEMENTS

MIDDLETOWN RHODE ISLAND

CROSS SECTION



TOWN OF
MIDDLETOWN

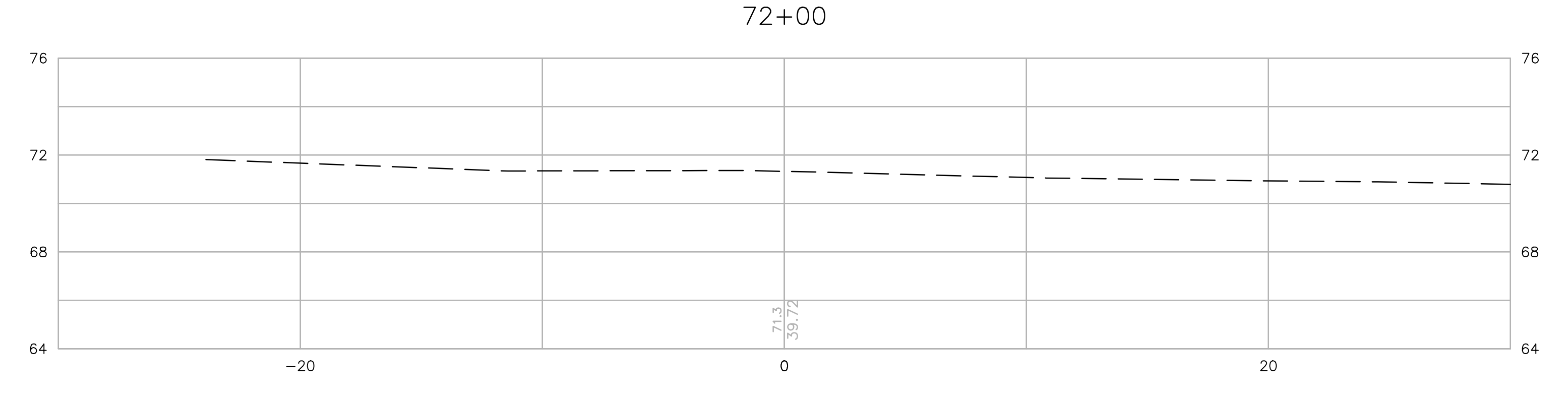
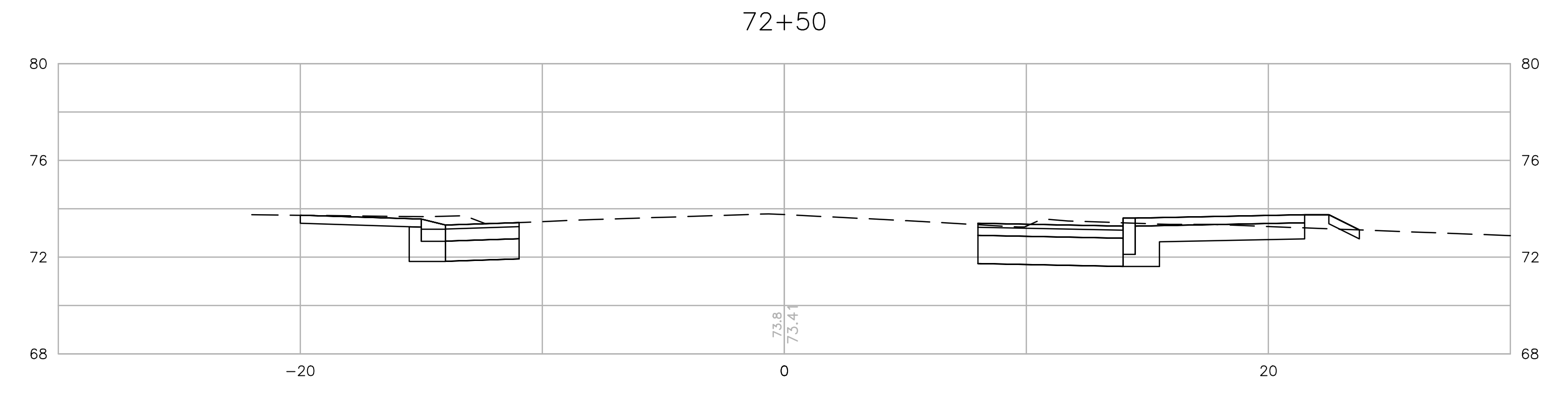
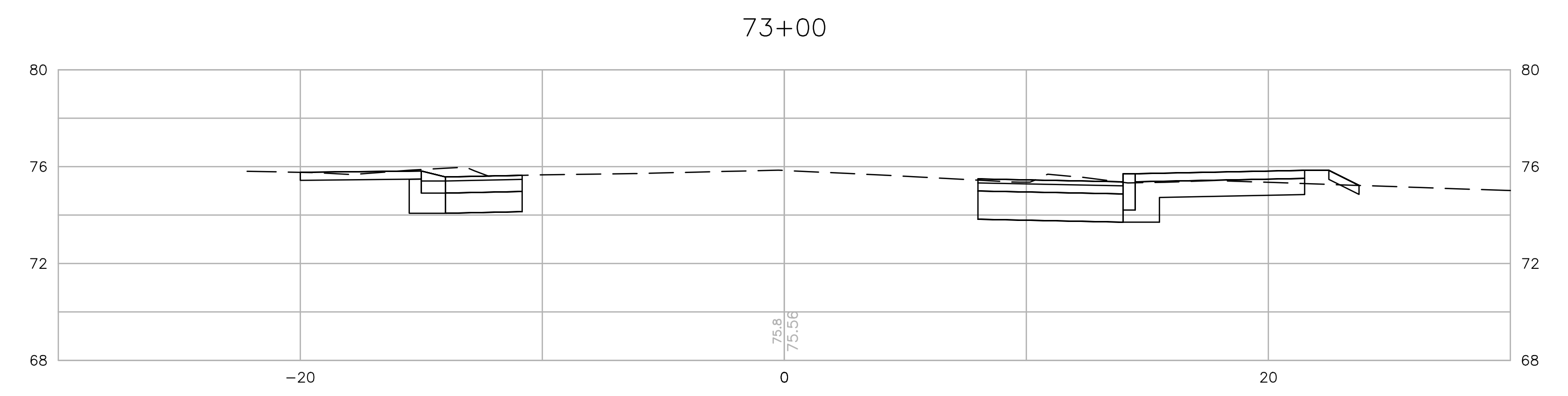
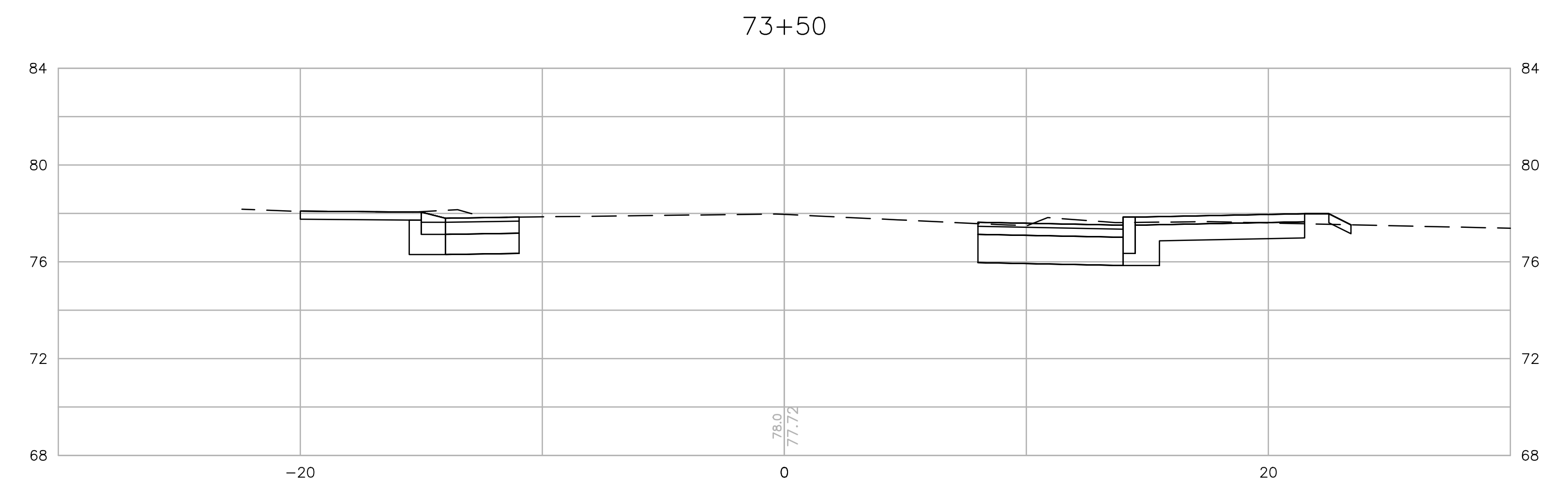
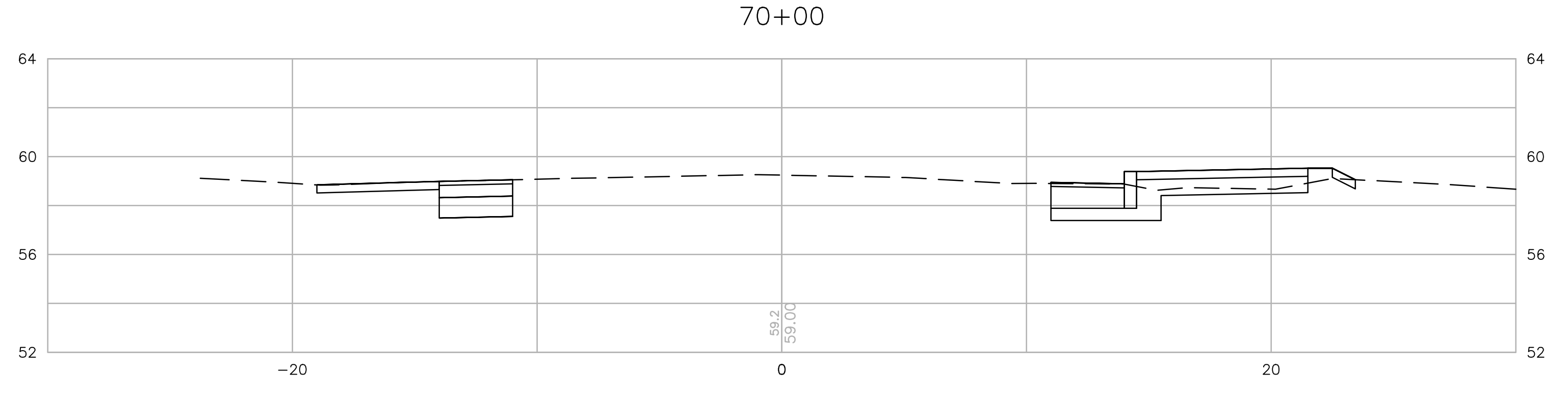
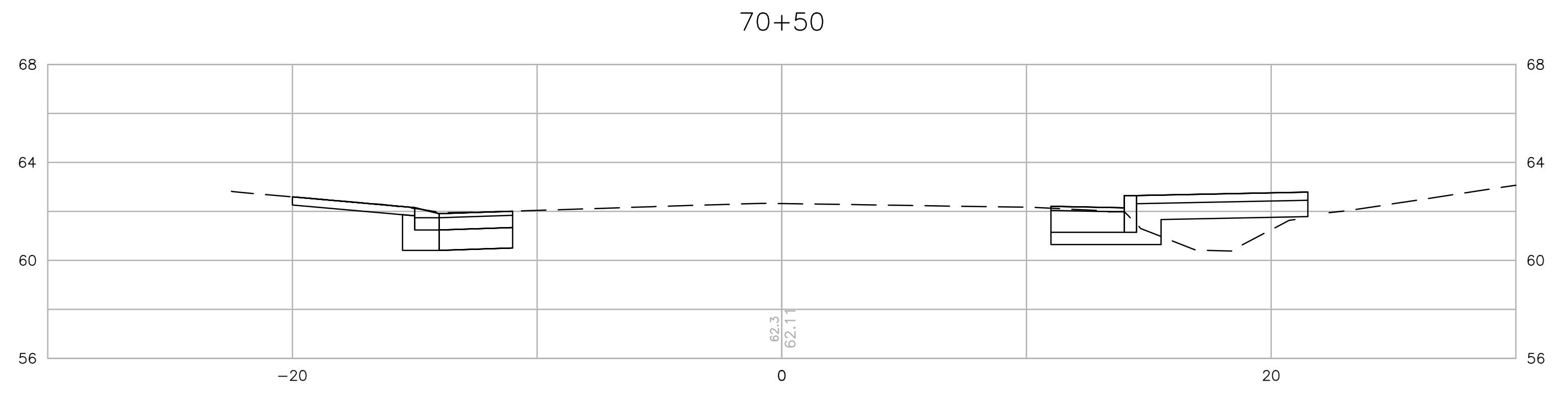
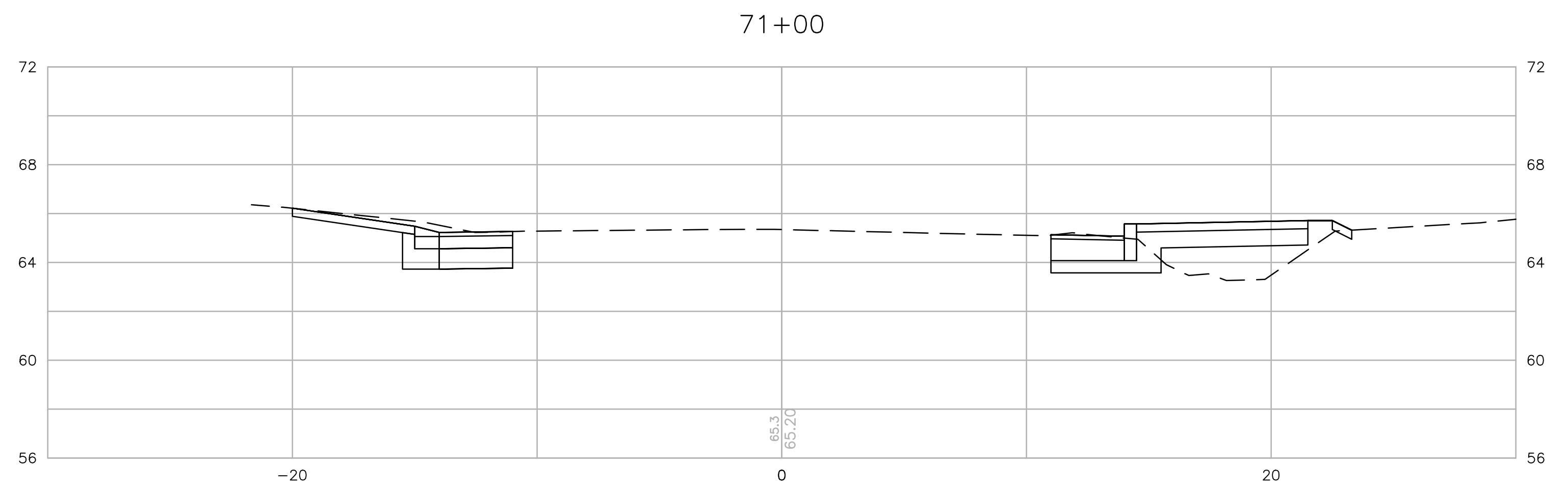
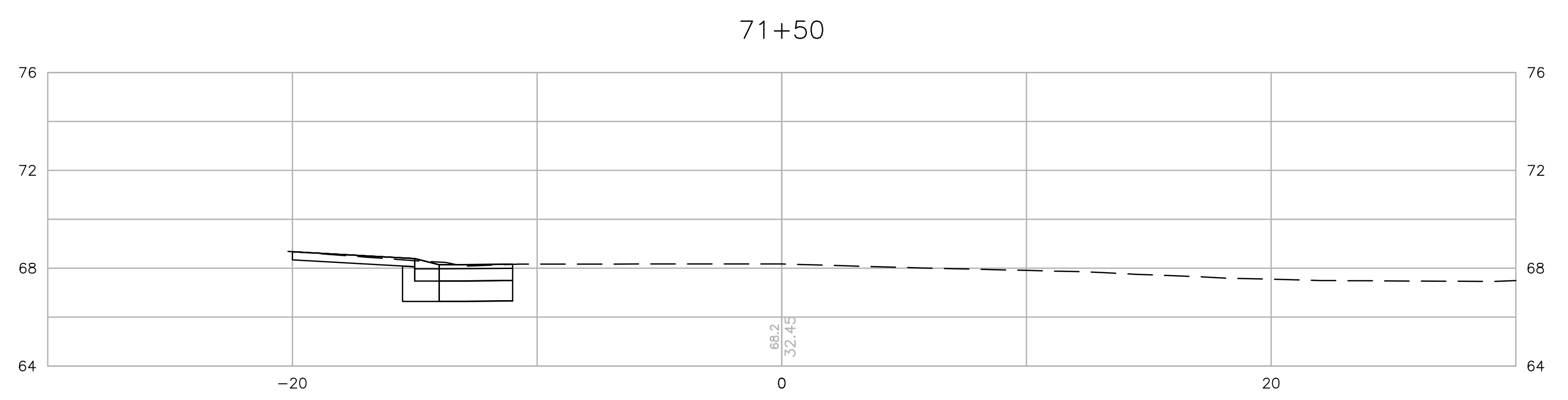
DESIGNED BY:
CHECKED BY:
DATE:
SHEET: 29
OF: 36

SCALE: 1"=4'

REVISIONS			REVISIONS		
NO.	DATE	BY	NO.	DATE	BY

PURGATORY ROAD SIDEWALK IMPROVEMENTS
MIDDLETOWN RHODE ISLAND

CROSS SECTION



TOWN OF
MIDDLETOWN

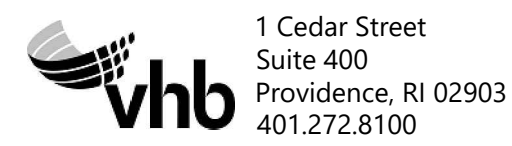
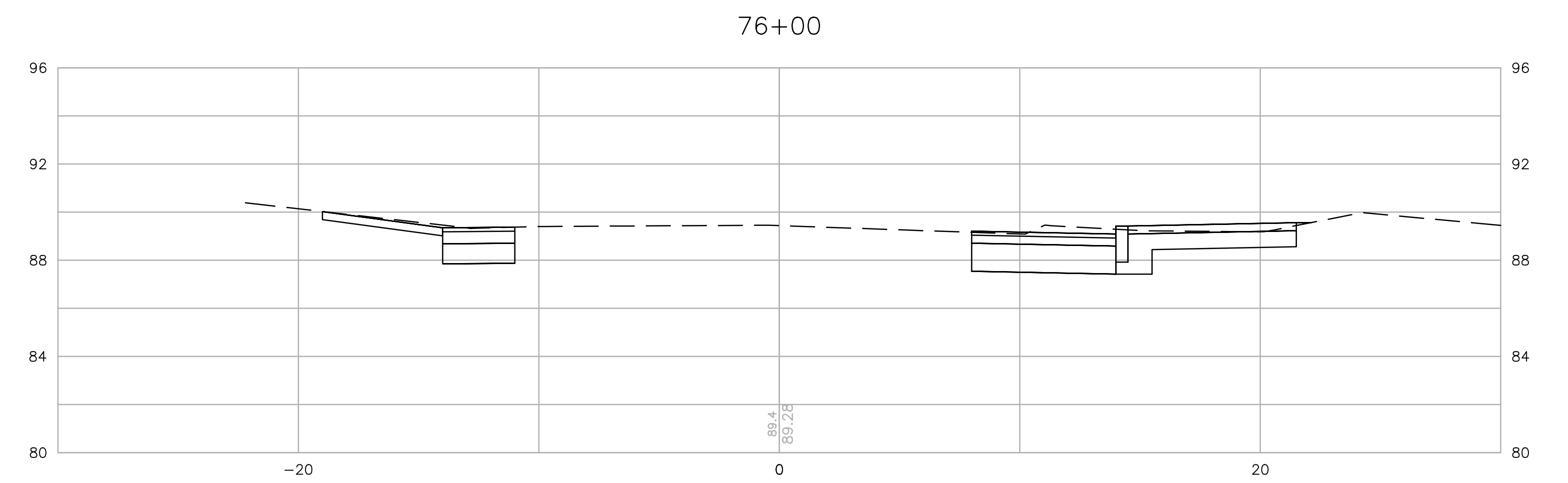
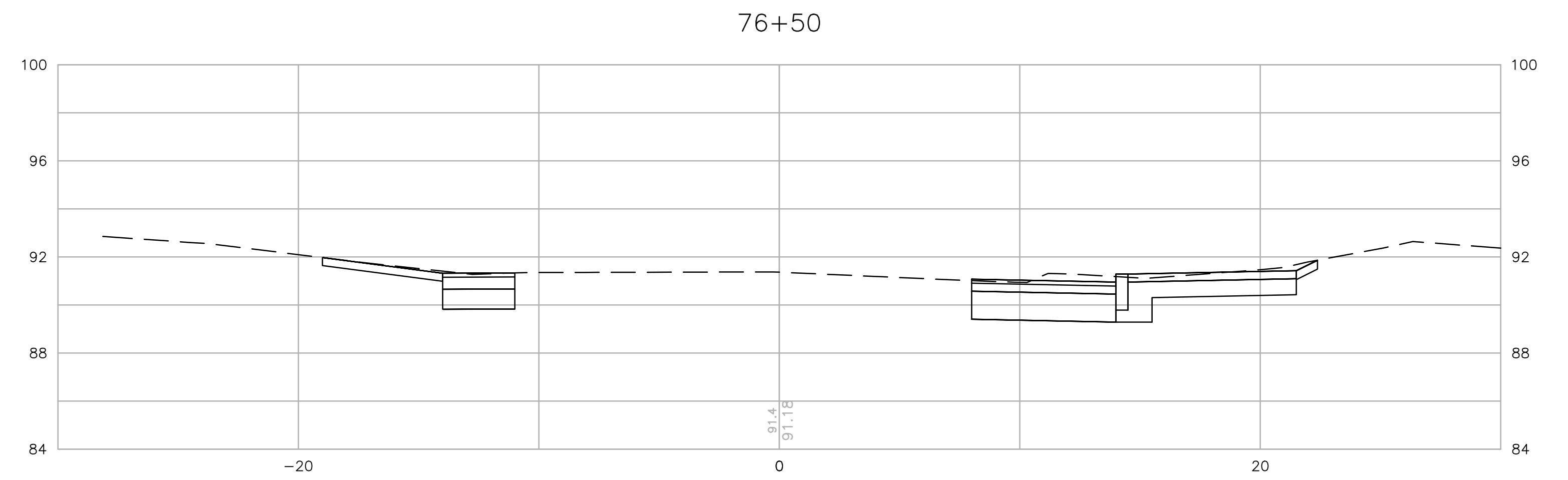
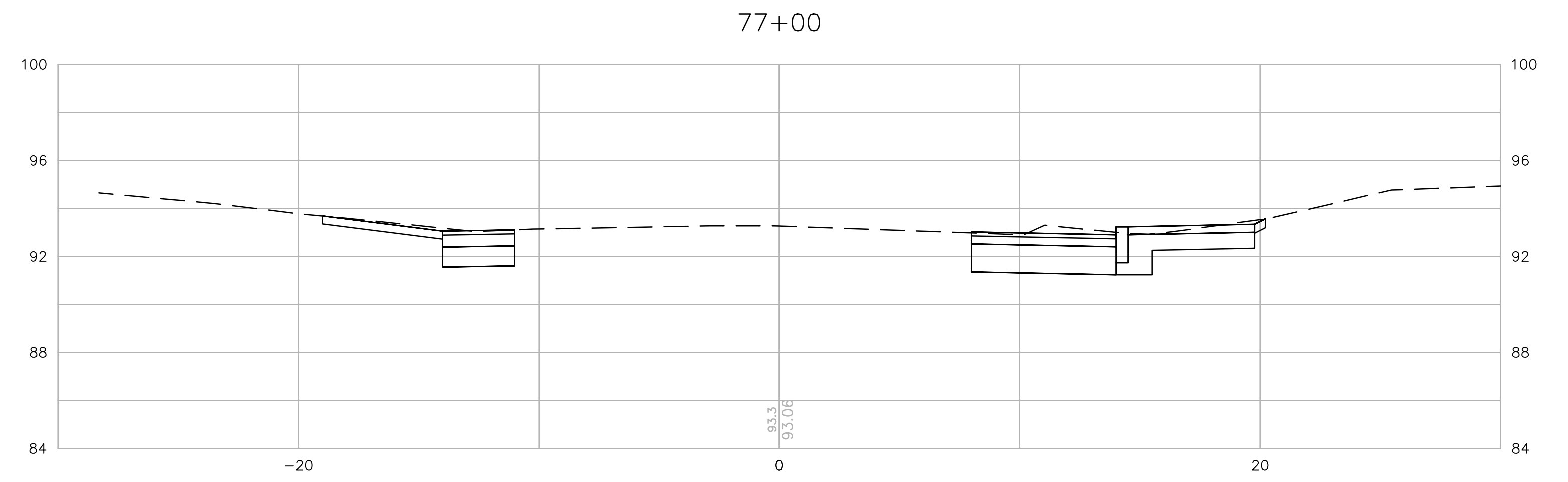
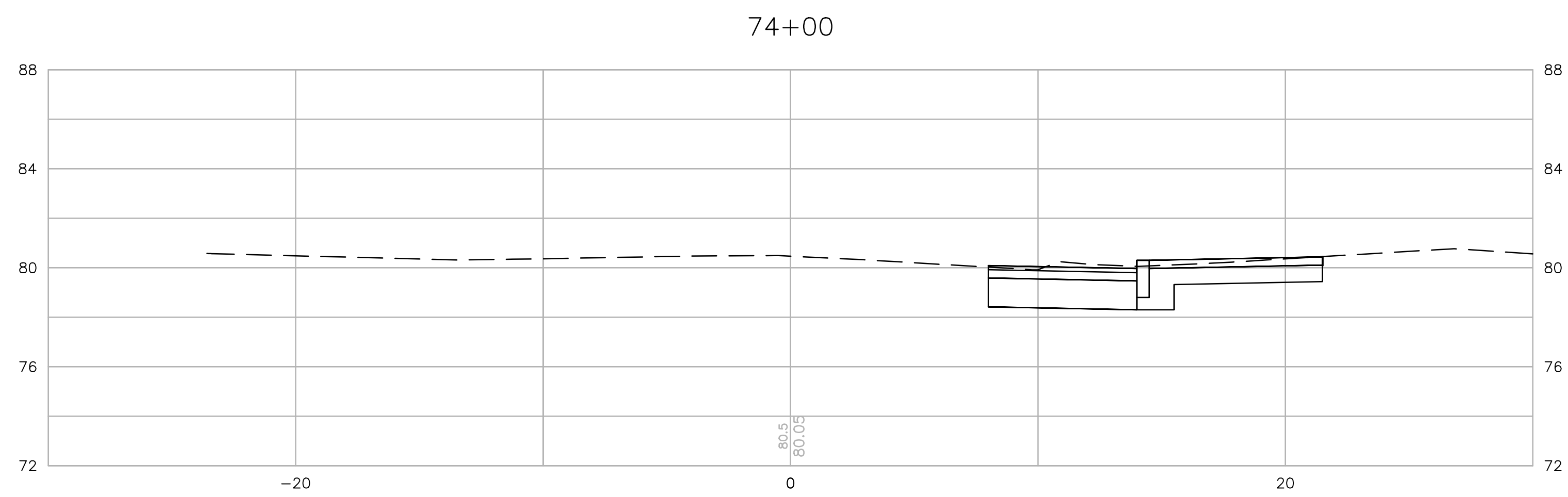
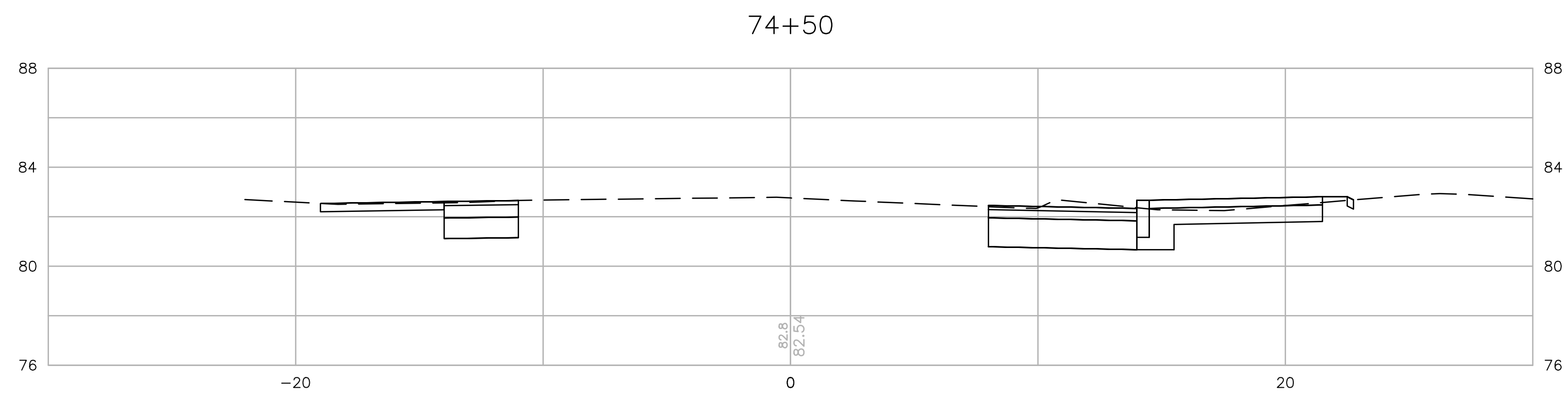
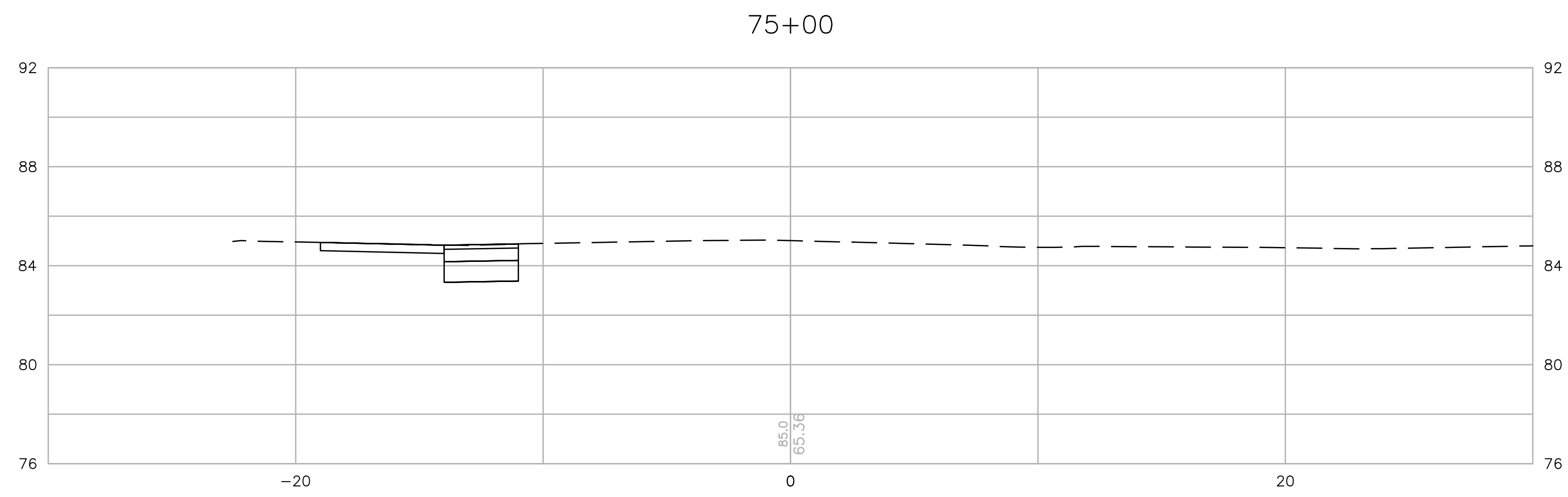
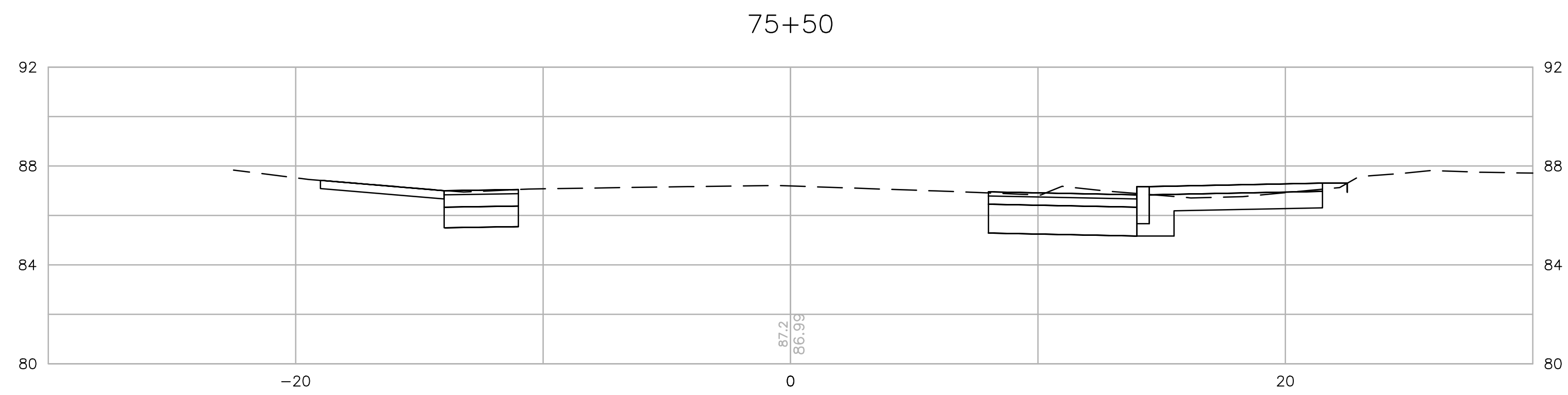
DESIGNED BY:
CHECKED BY:
DATE:
SHEET: 30
OF: 36

SCALE: 1"=4'

REVISIONS			REVISIONS		
NO.	DATE	BY	NO.	DATE	BY

PURGATORY ROAD SIDEWALK IMPROVEMENTS
MIDDLETOWN RHODE ISLAND

CROSS SECTION



TOWN OF
MIDDLETOWN

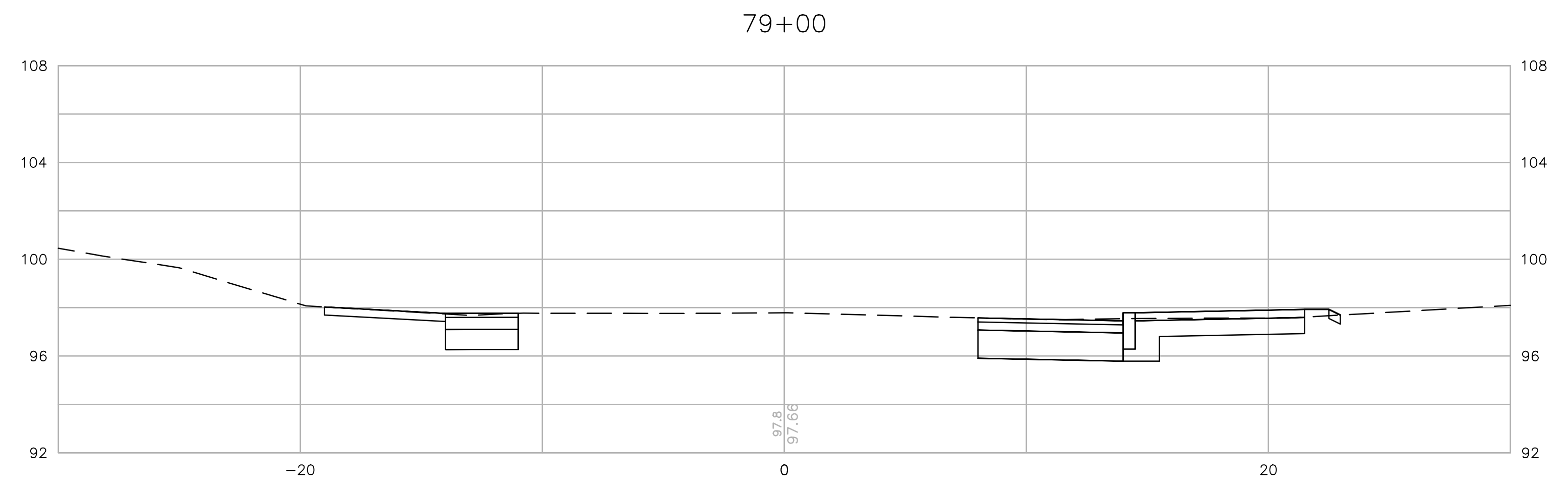
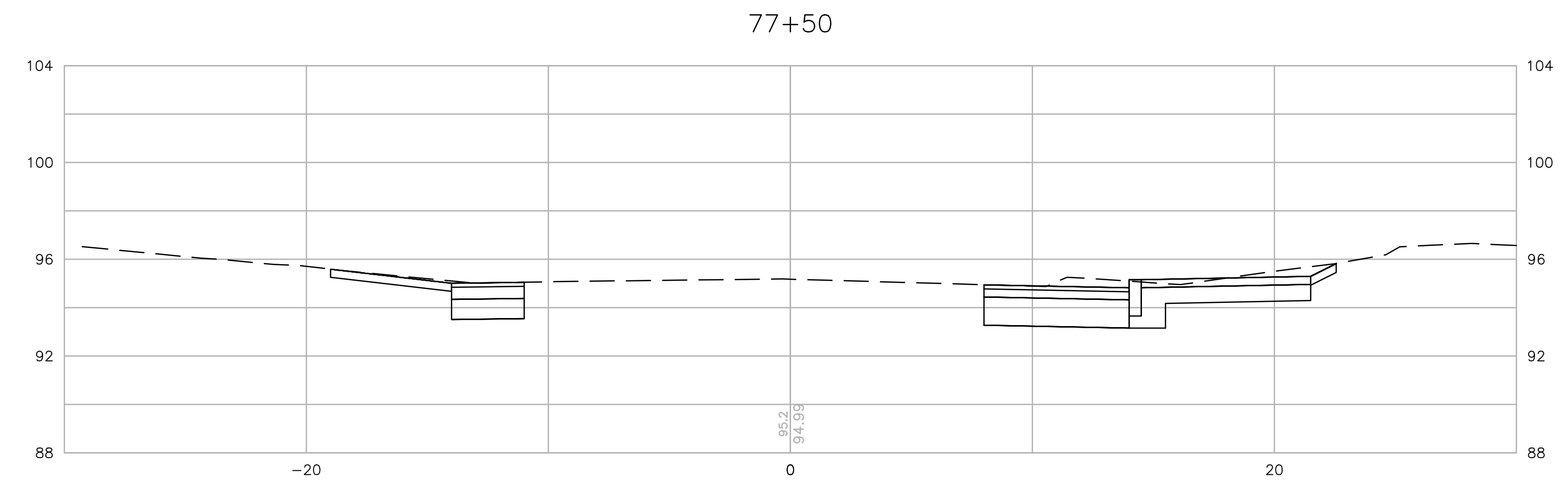
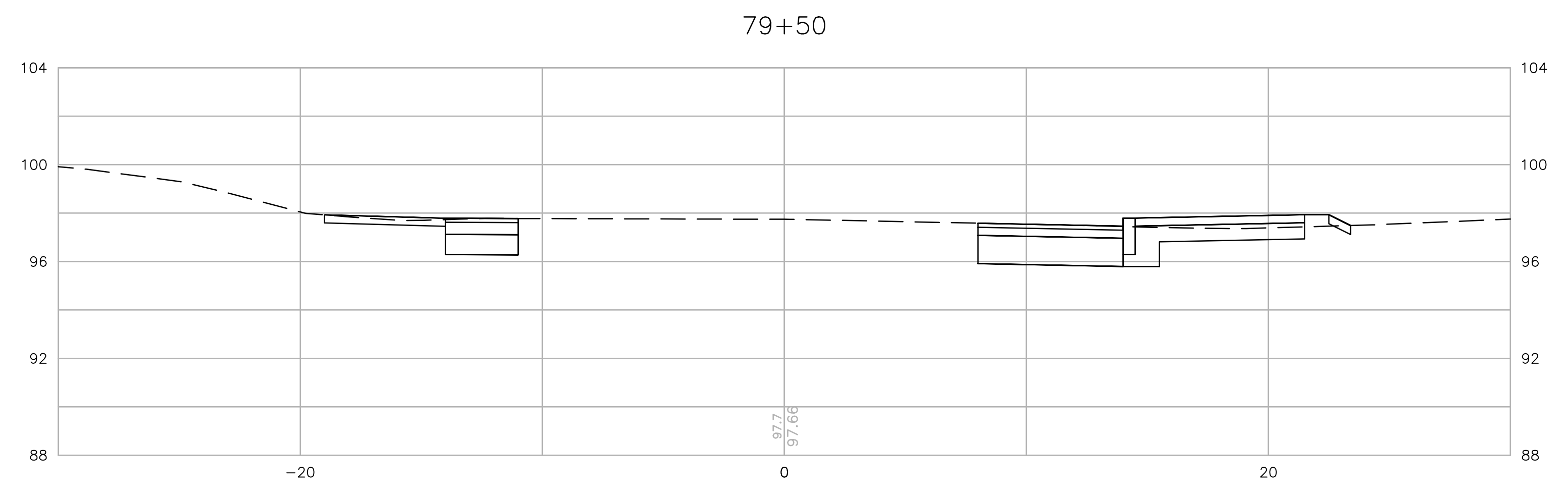
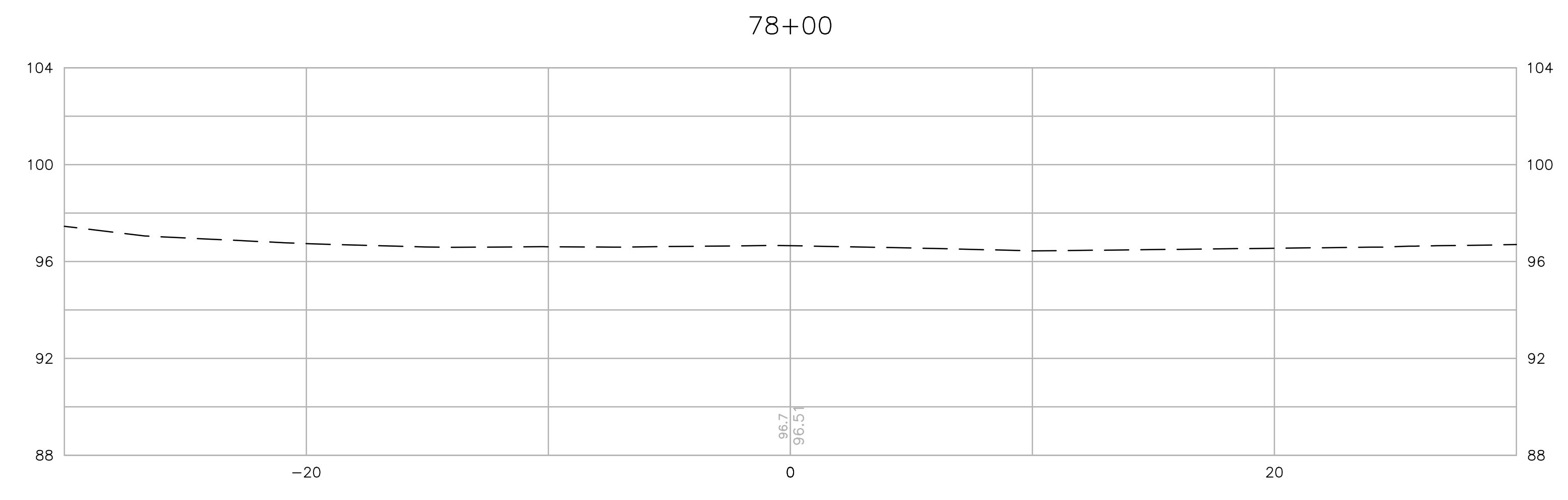
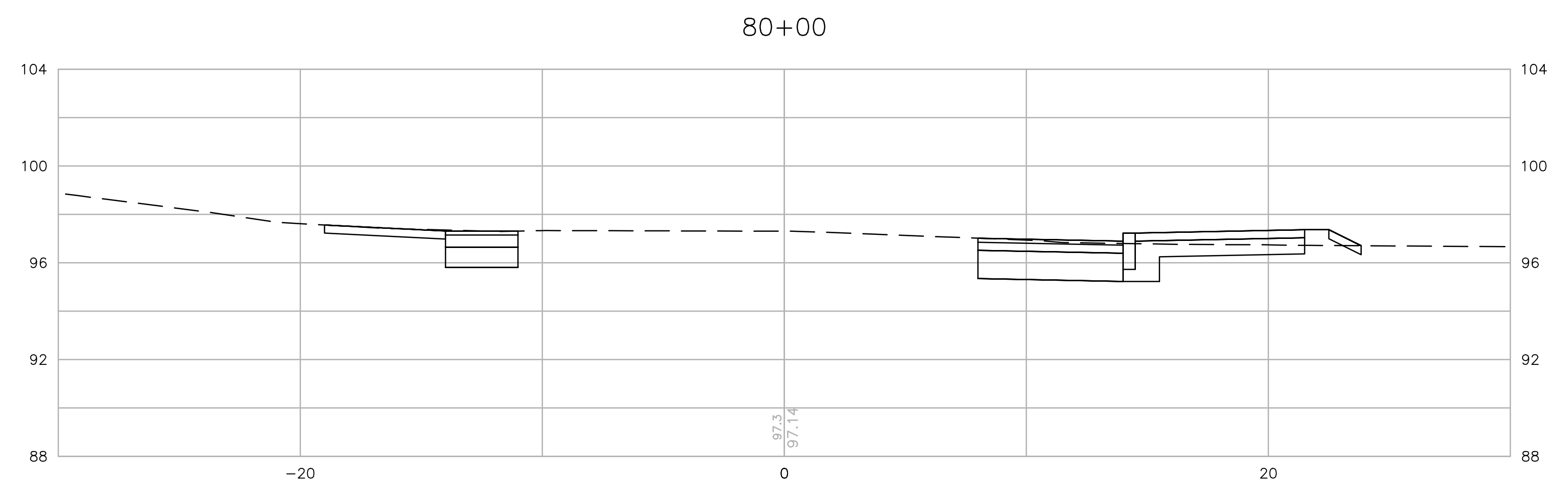
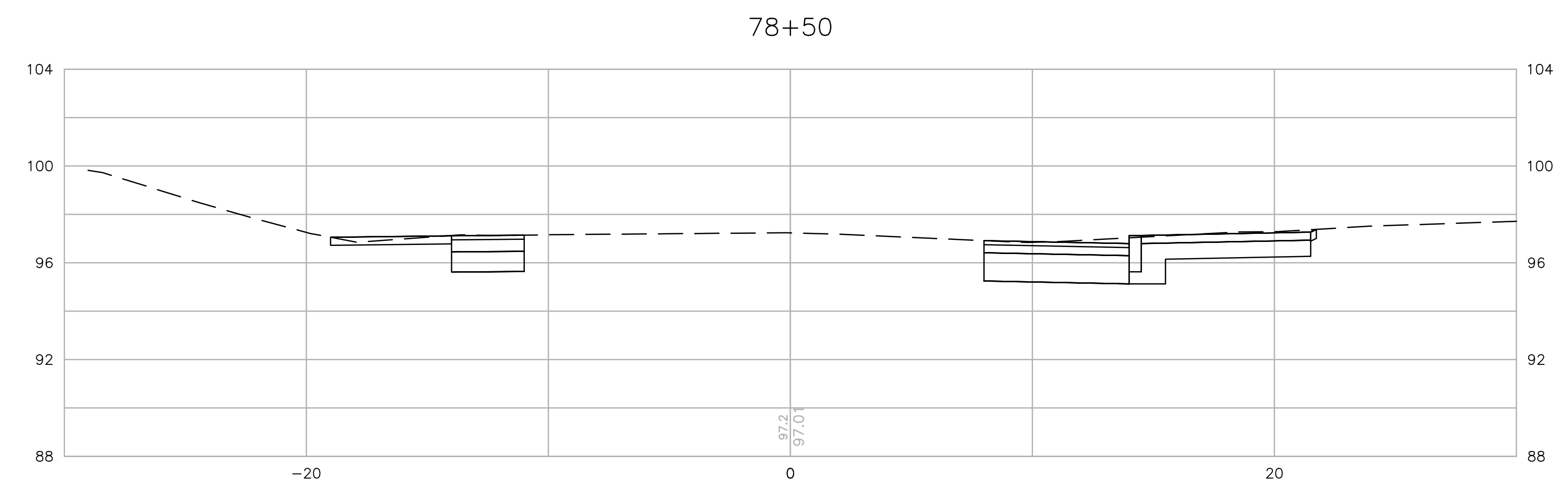
DESIGNED BY:
CHECKED BY:
DATE:
SHEET: 31
OF: 36

SCALE: 1"=4'

REVISIONS			REVISIONS		
NO.	DATE	BY	NO.	DATE	BY

PURGATORY ROAD SIDEWALK IMPROVEMENTS
MIDDLETOWN RHODE ISLAND

CROSS SECTION



TOWN OF
MIDDLETOWN

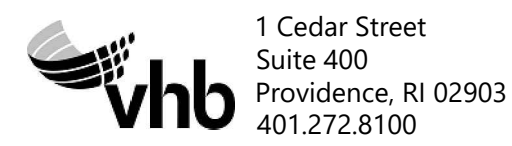
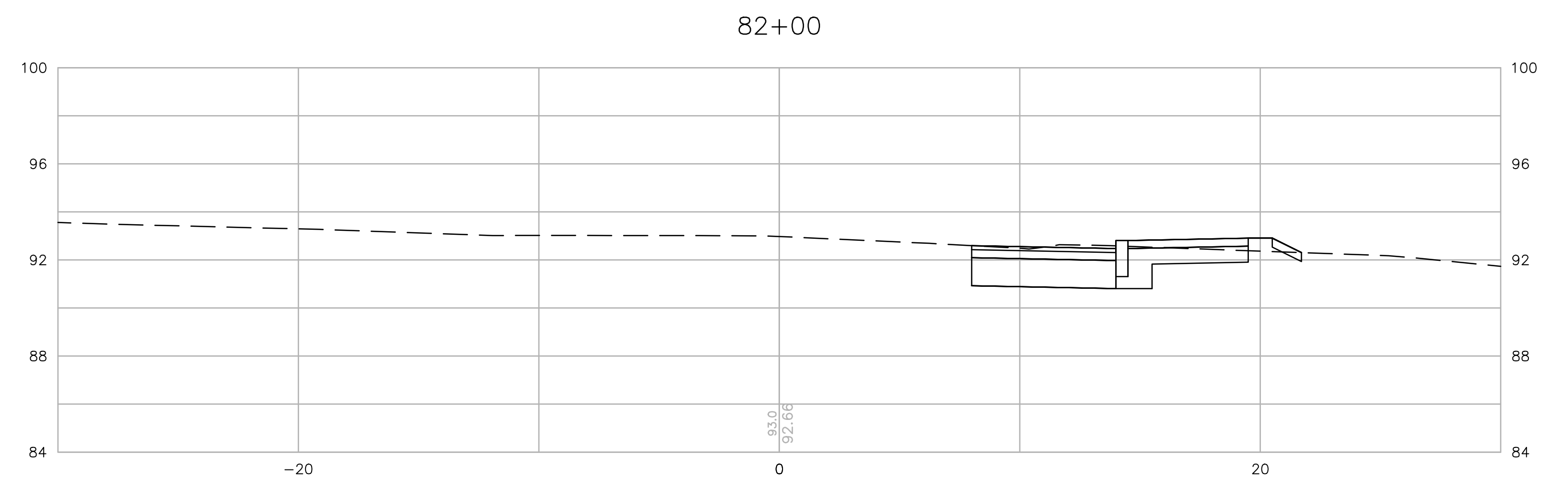
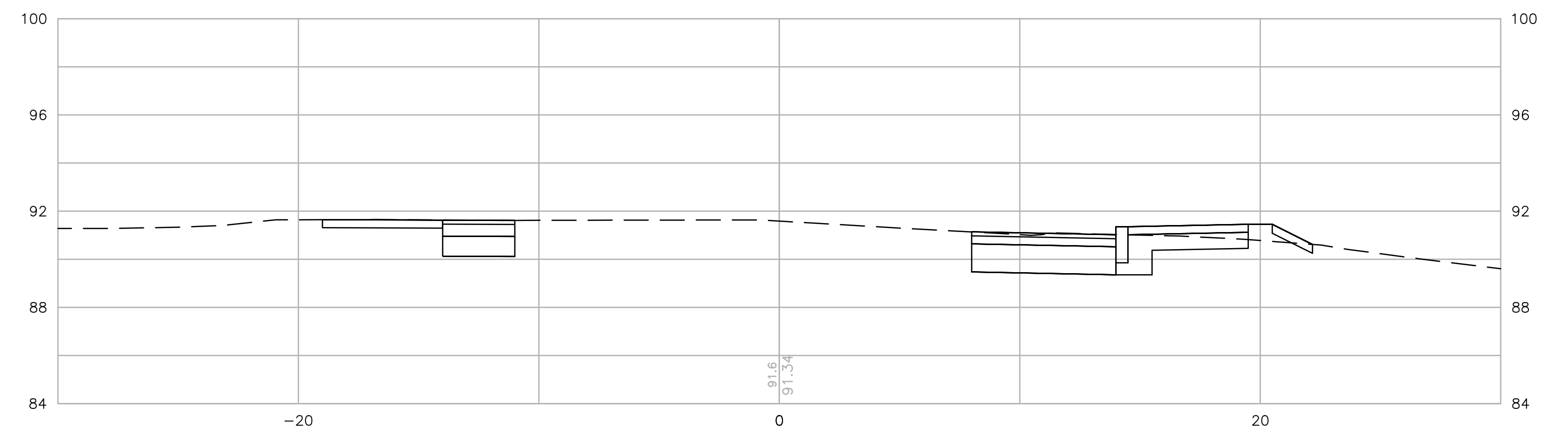
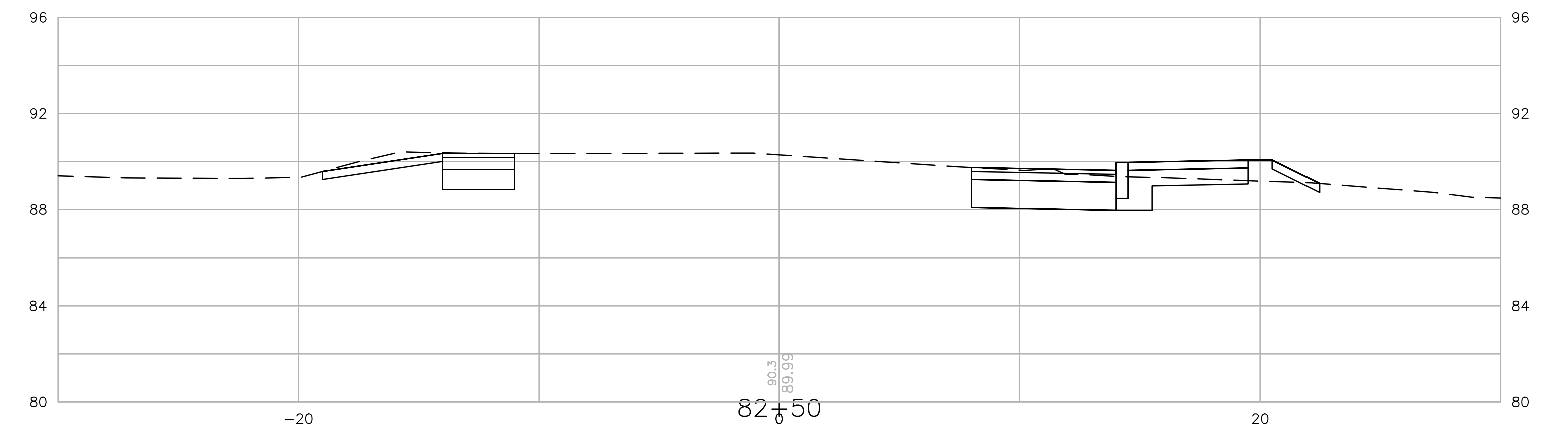
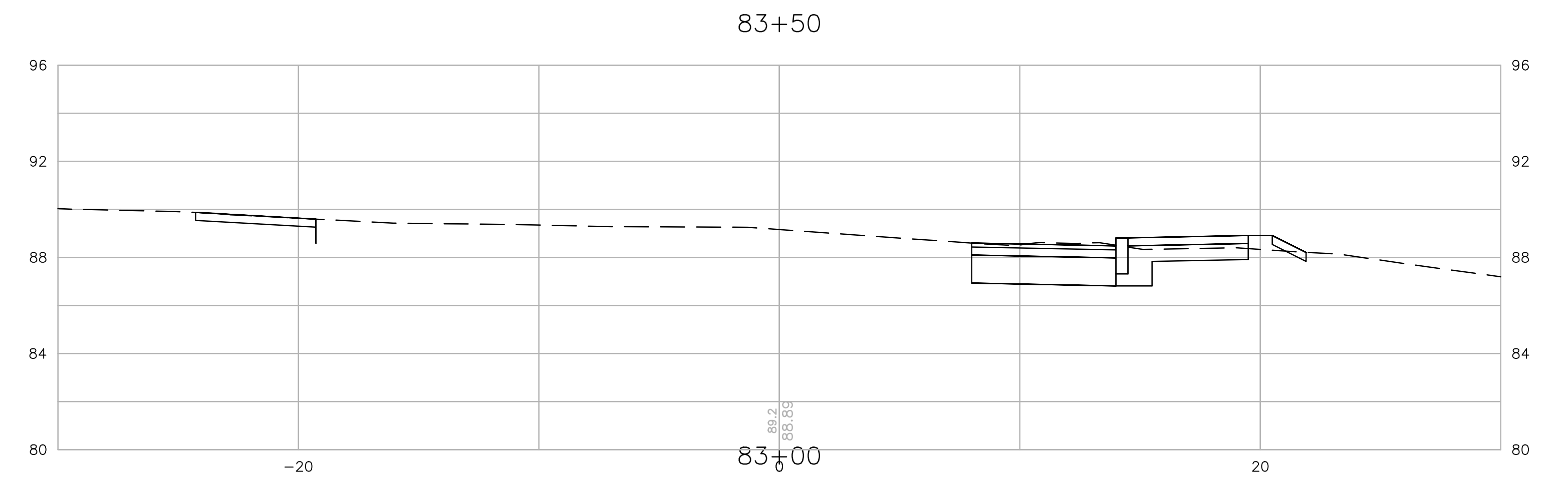
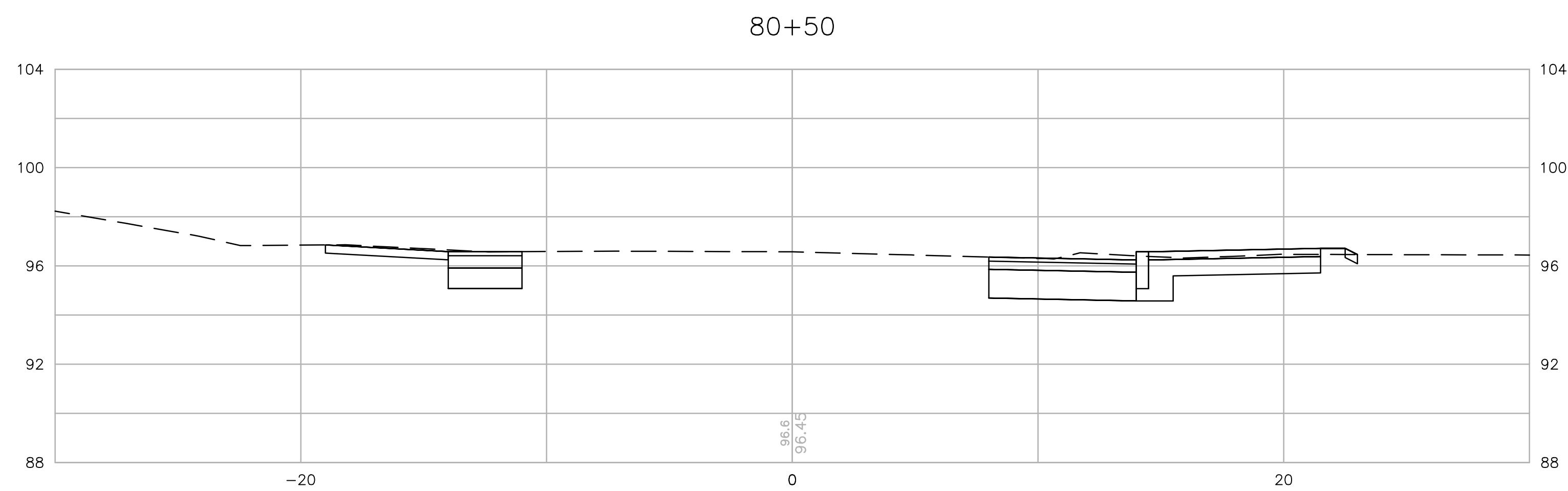
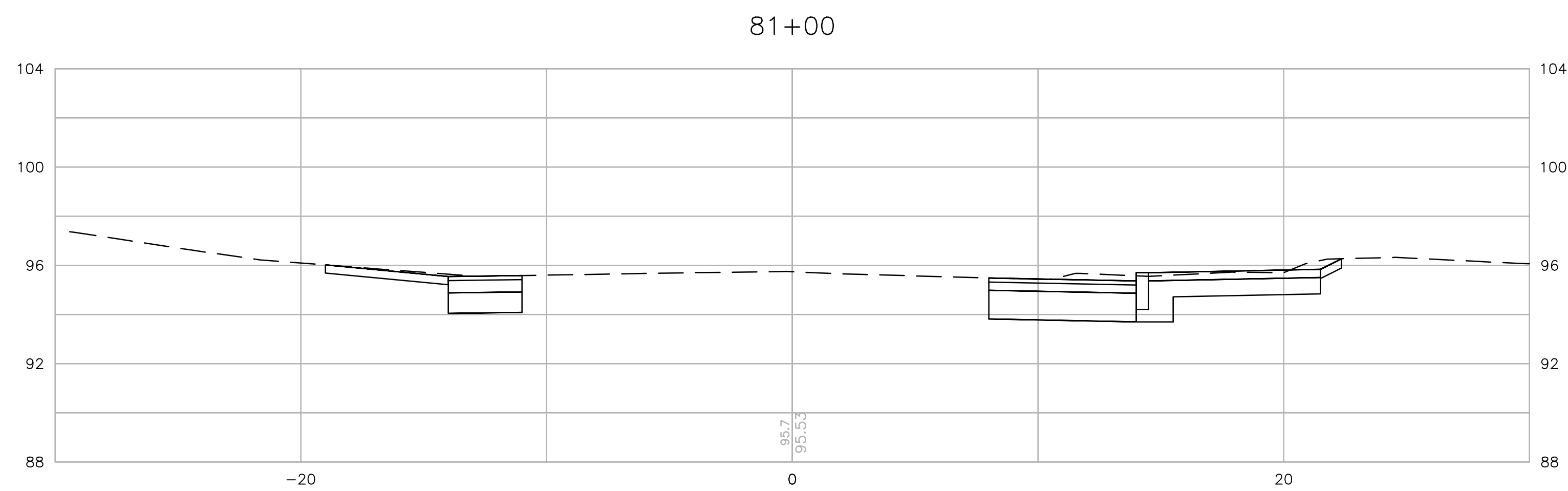
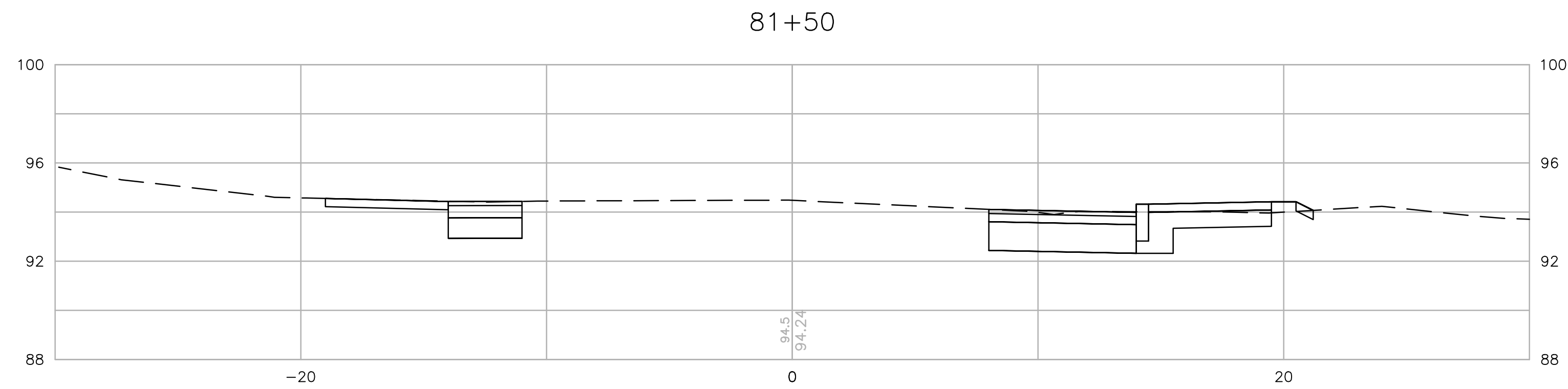
DESIGNED BY:
CHECKED BY:
DATE:
SHEET: 32
OF: 36

SCALE: 1"=4'

REVISIONS			REVISIONS		
NO.	DATE	BY	NO.	DATE	BY

PURGATORY ROAD SIDEWALK IMPROVEMENTS
MIDDLETOWN RHODE ISLAND

CROSS SECTION



TOWN OF
MIDDLETOWN

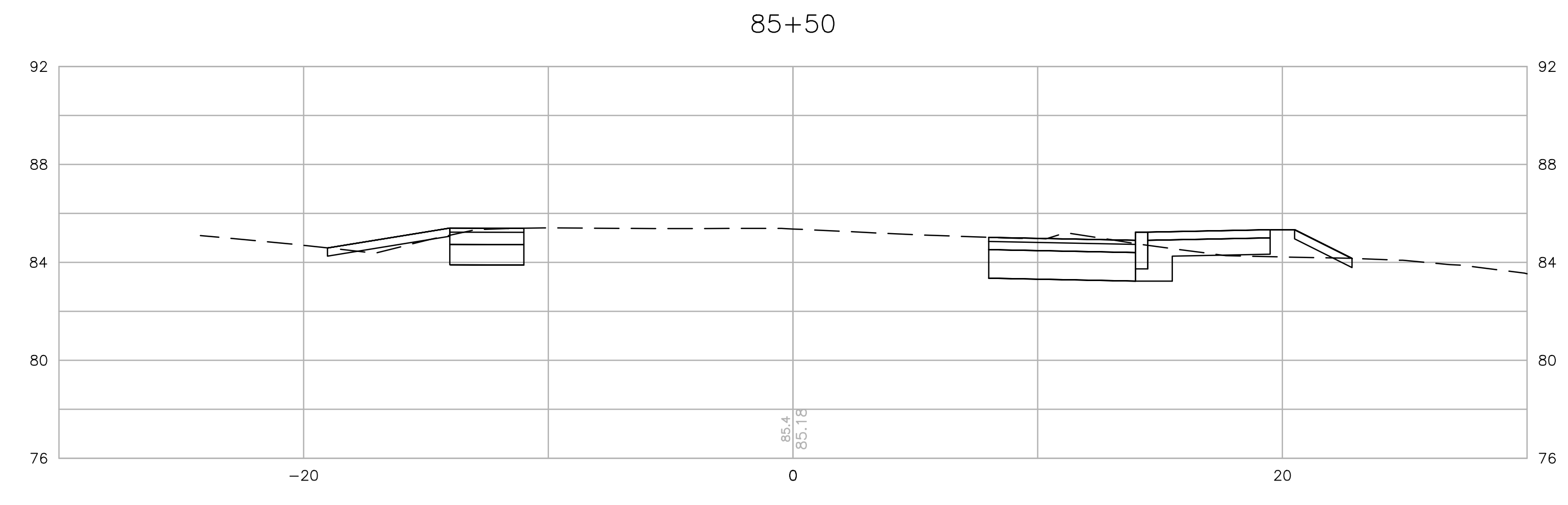
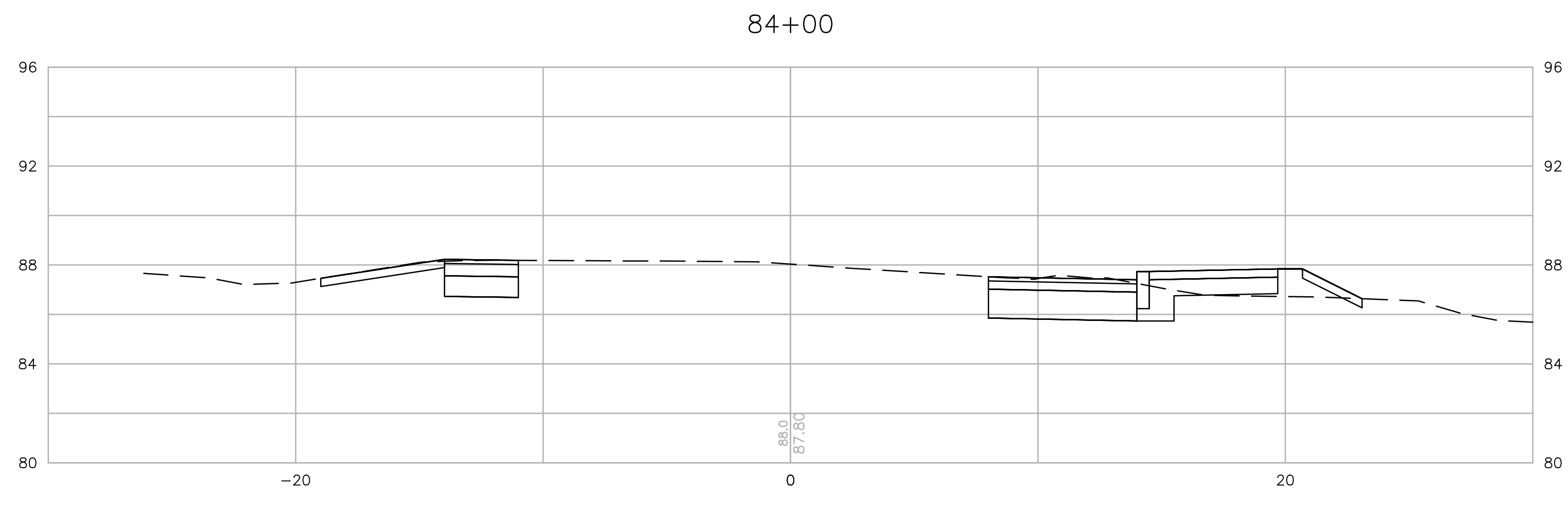
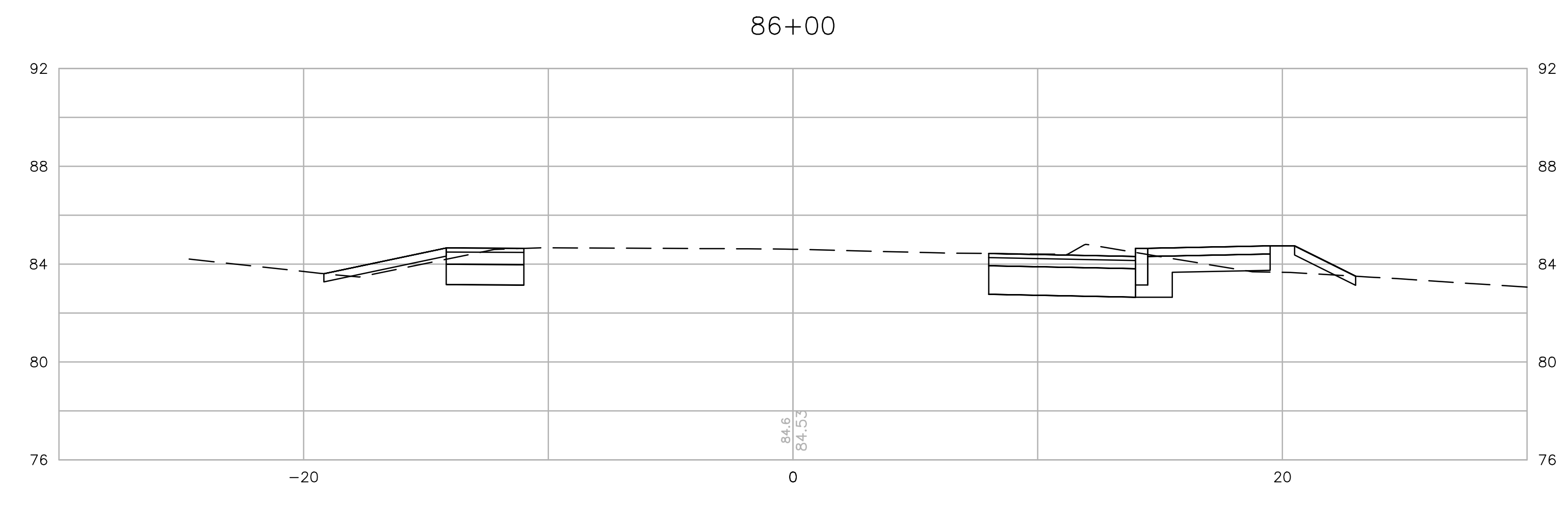
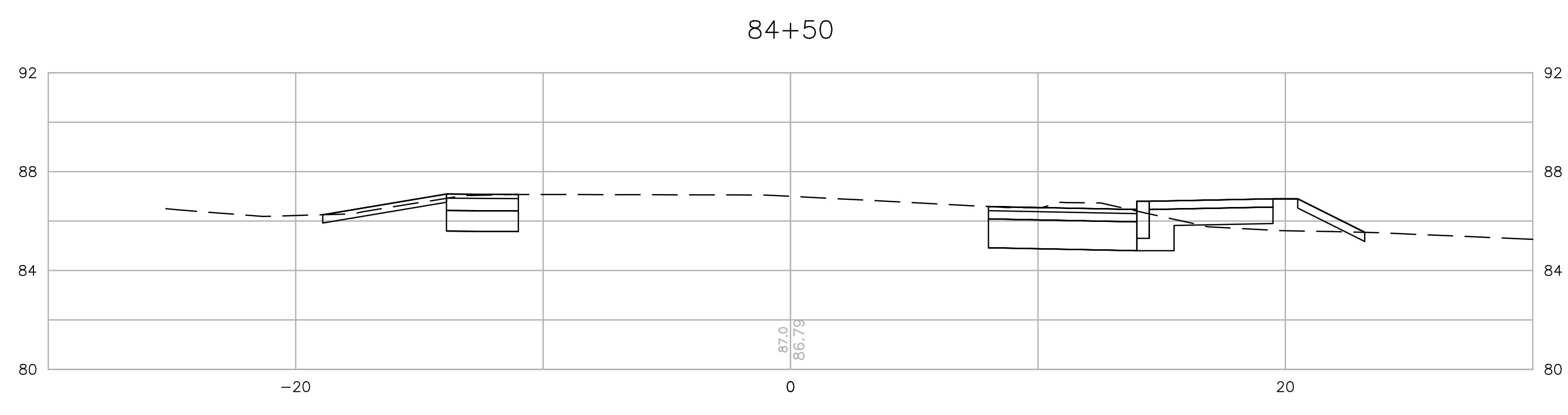
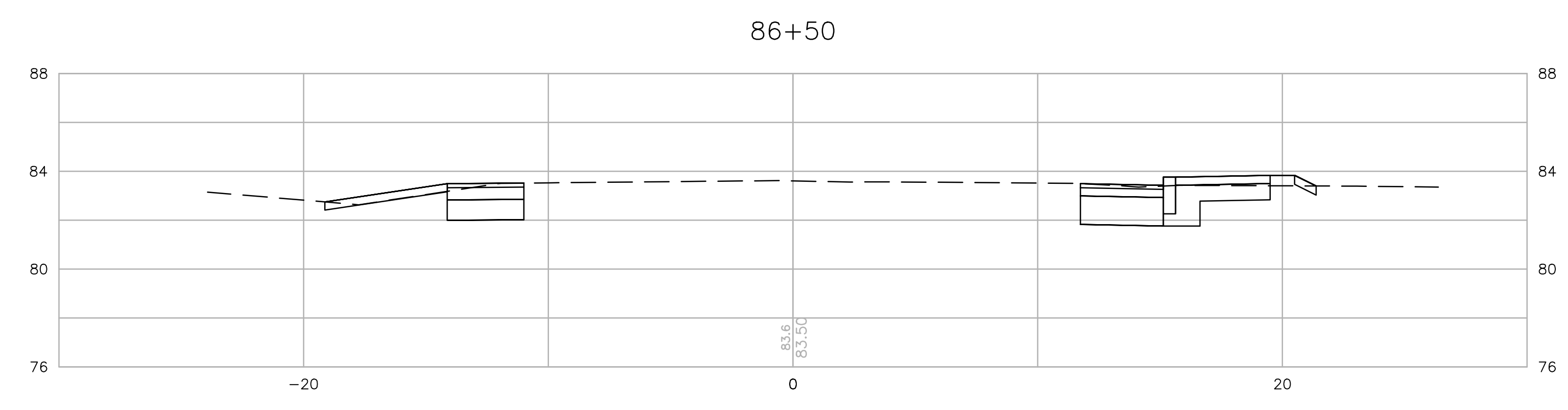
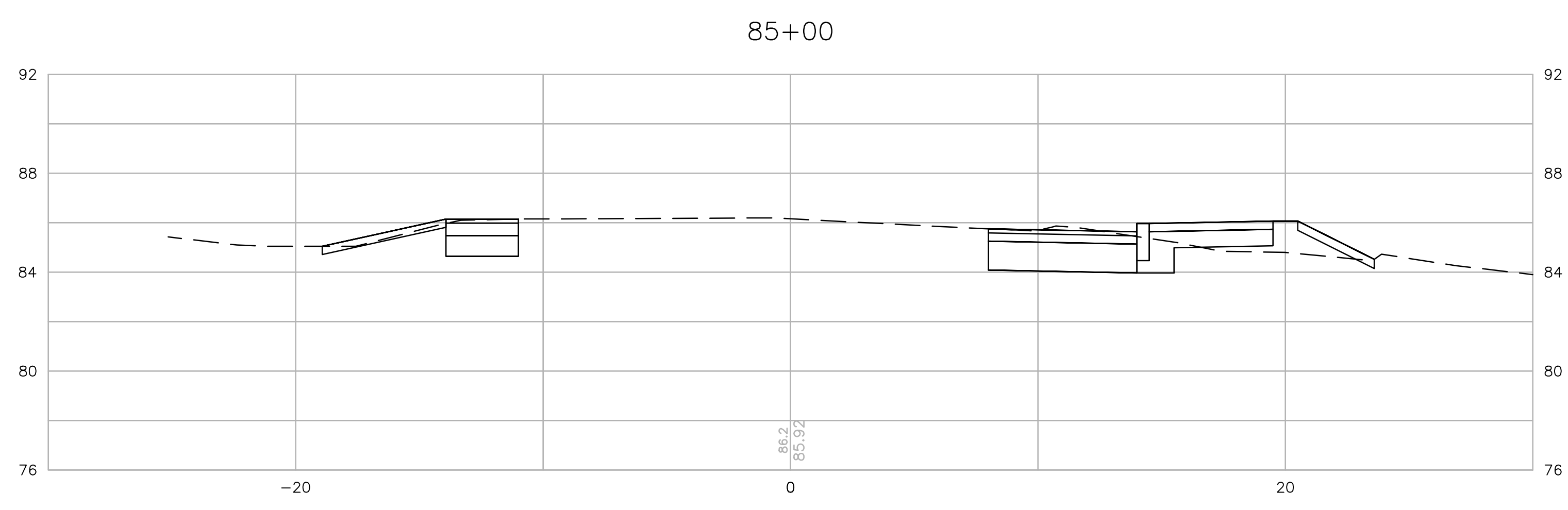
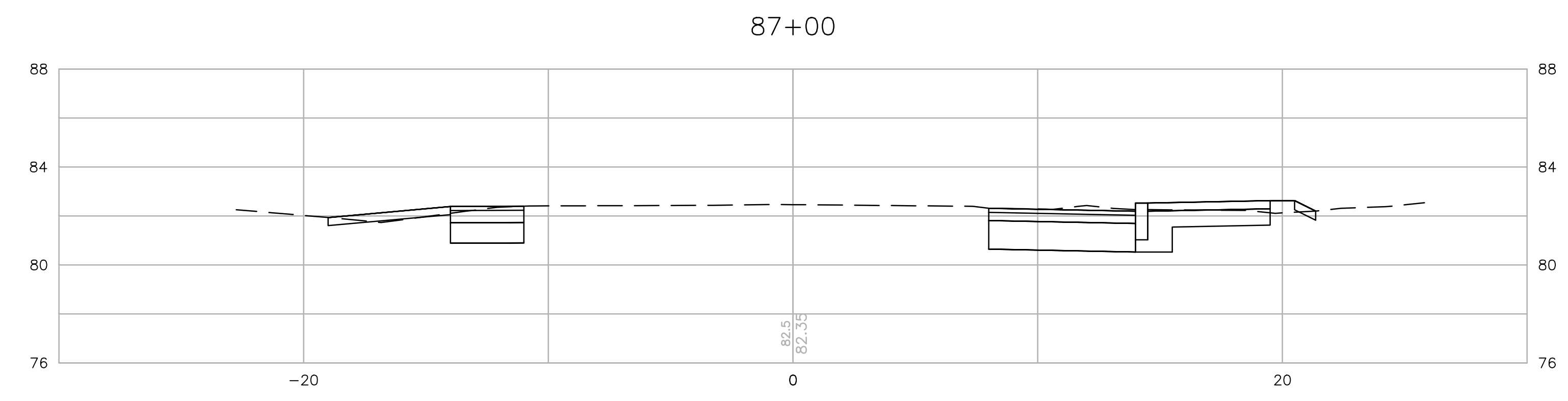
DESIGNED BY:
CHECKED BY:
DATE:
SHEET: 33
OF: 36

SCALE: 1"=4'

REVISIONS			REVISIONS		
NO.	DATE	BY	NO.	DATE	BY

PURGATORY ROAD SIDEWALK IMPROVEMENTS
MIDDLETOWN RHODE ISLAND

CROSS SECTION



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MIDDLETOWN

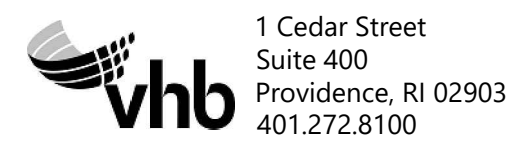
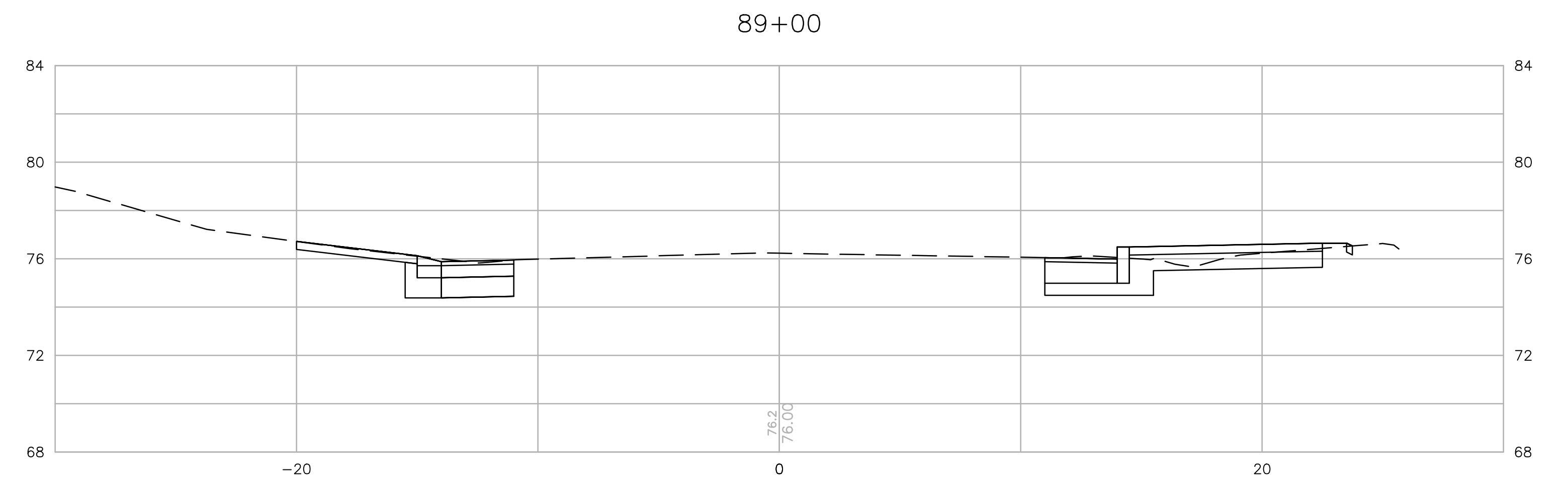
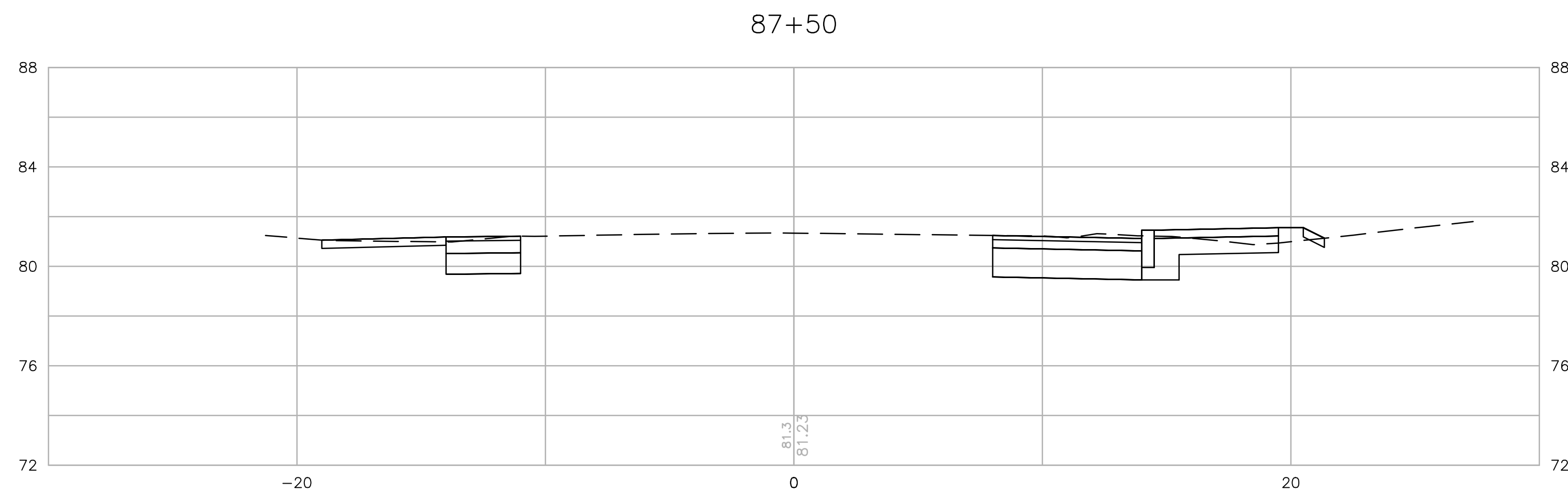
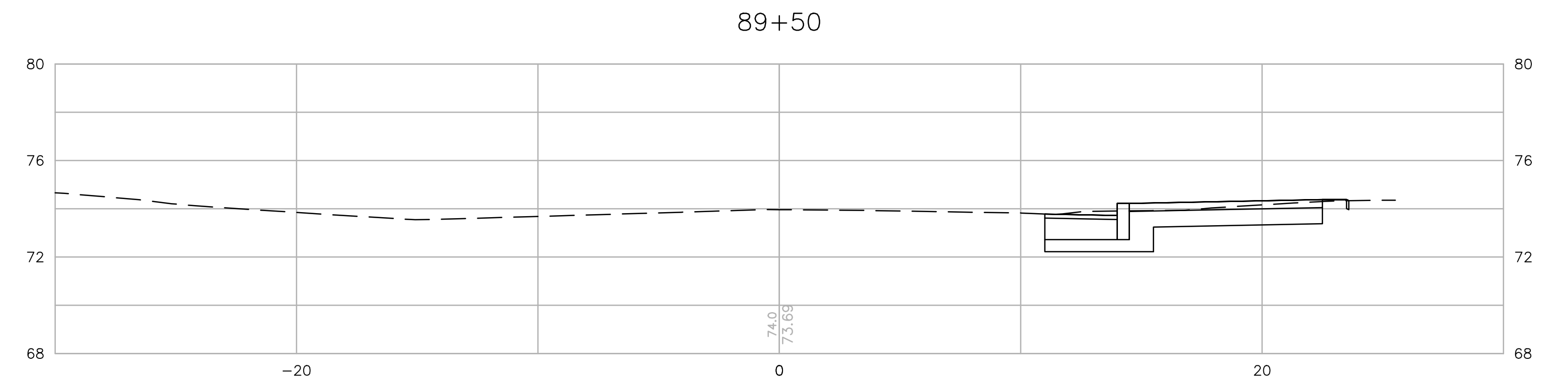
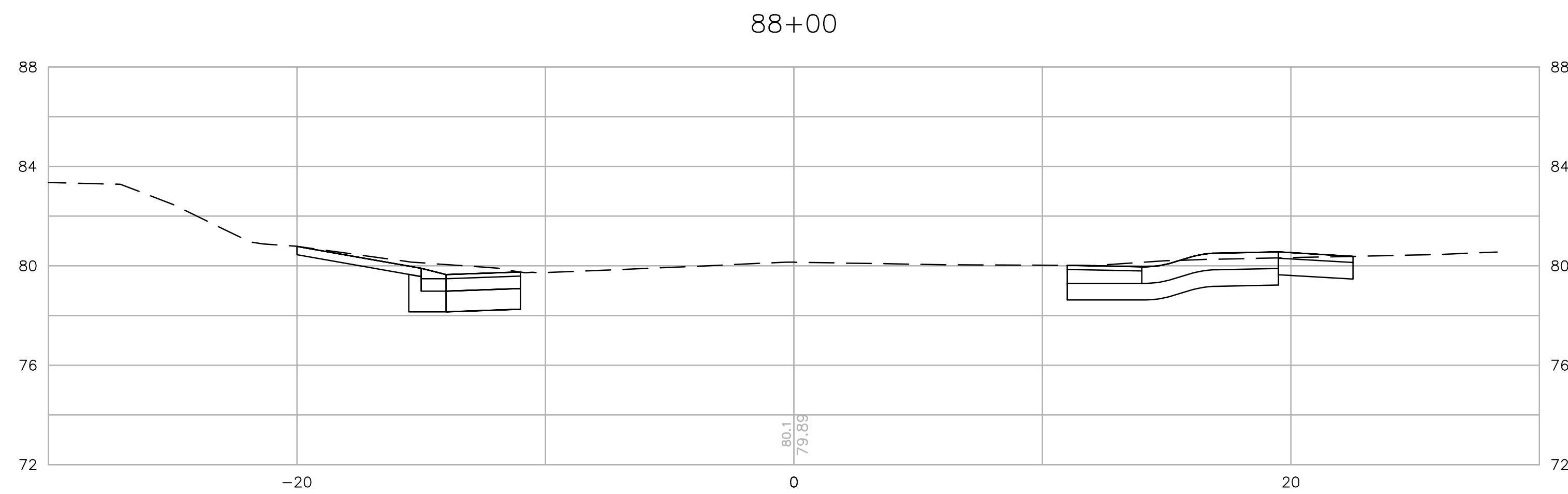
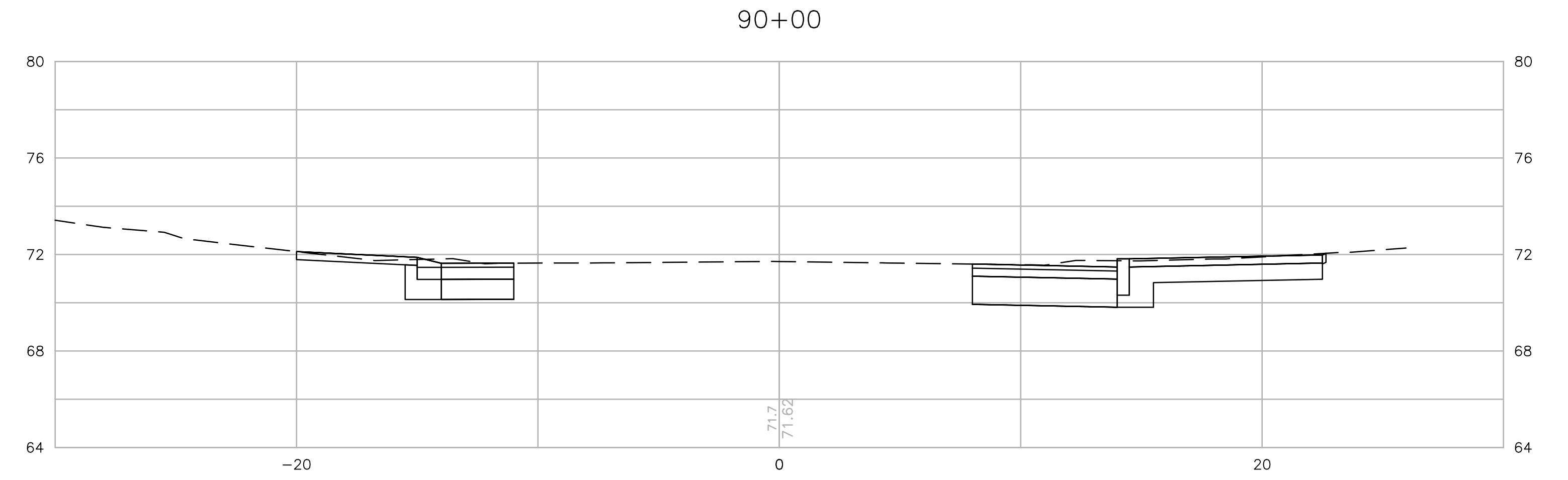
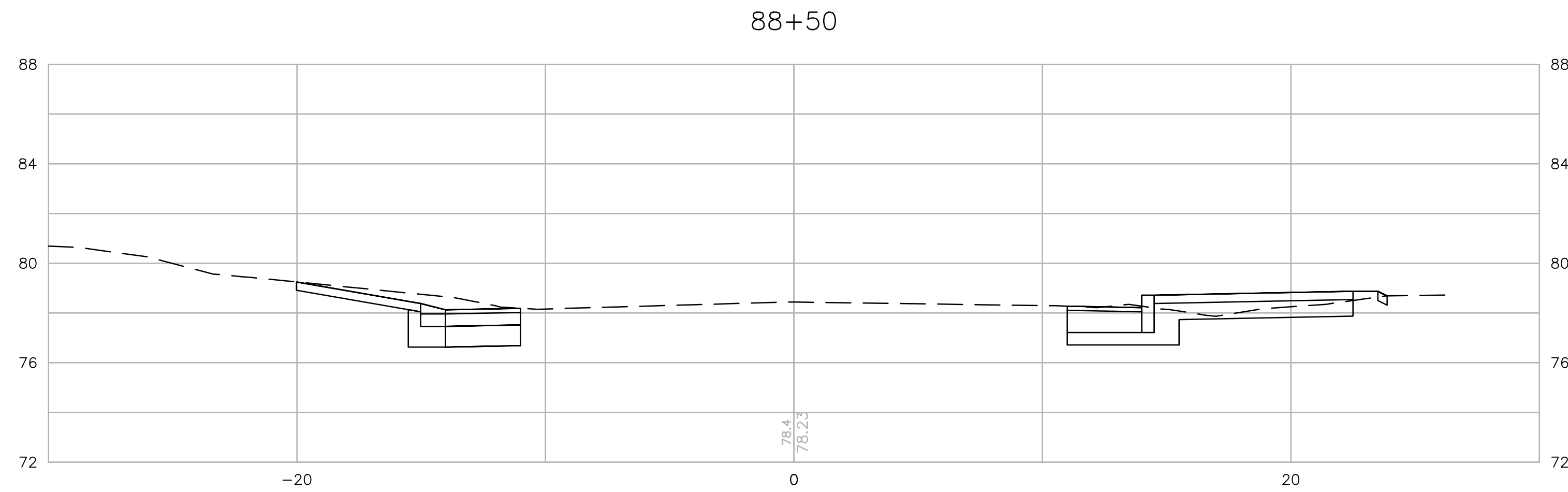
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DATE:
SHEET: 34
OF: 36

SCALE: 1"=4'

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PURGATORY ROAD SIDEWALK IMPROVEMENTS
MIDDLETOWN RHODE ISLAND

CROSS SECTION



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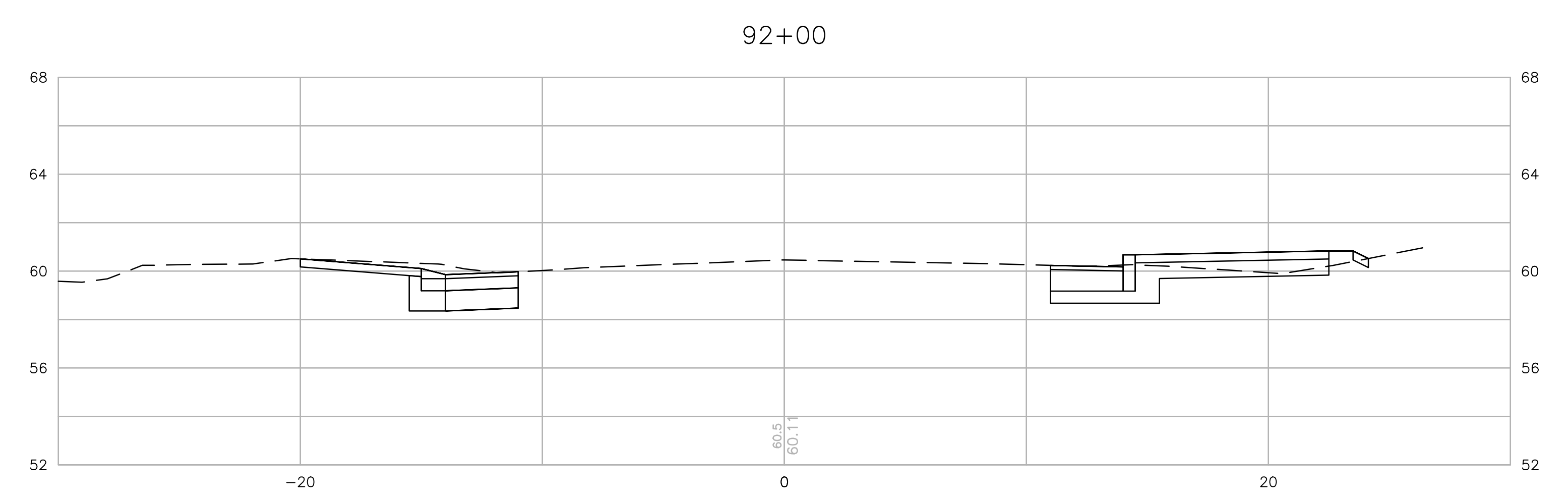
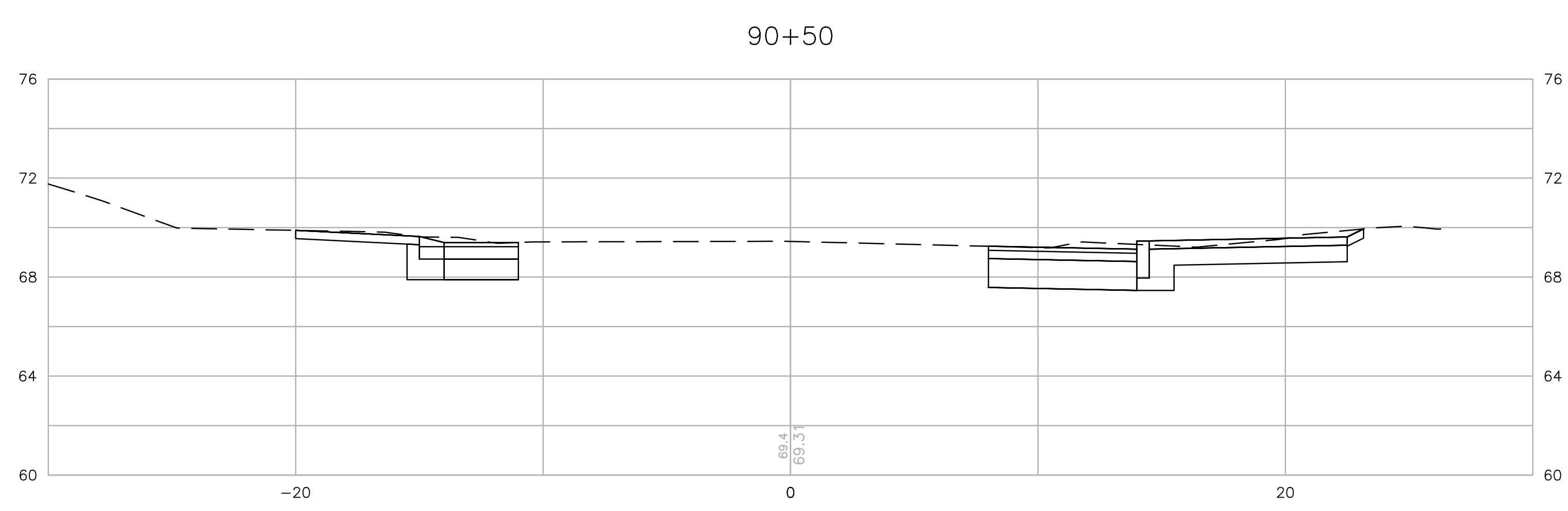
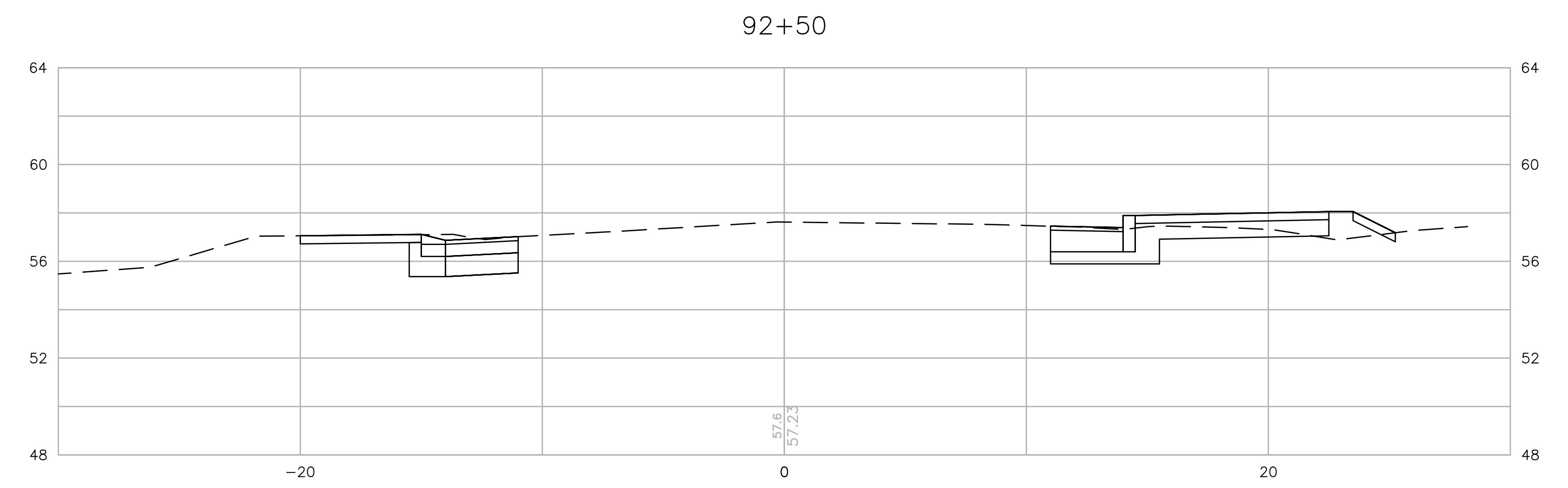
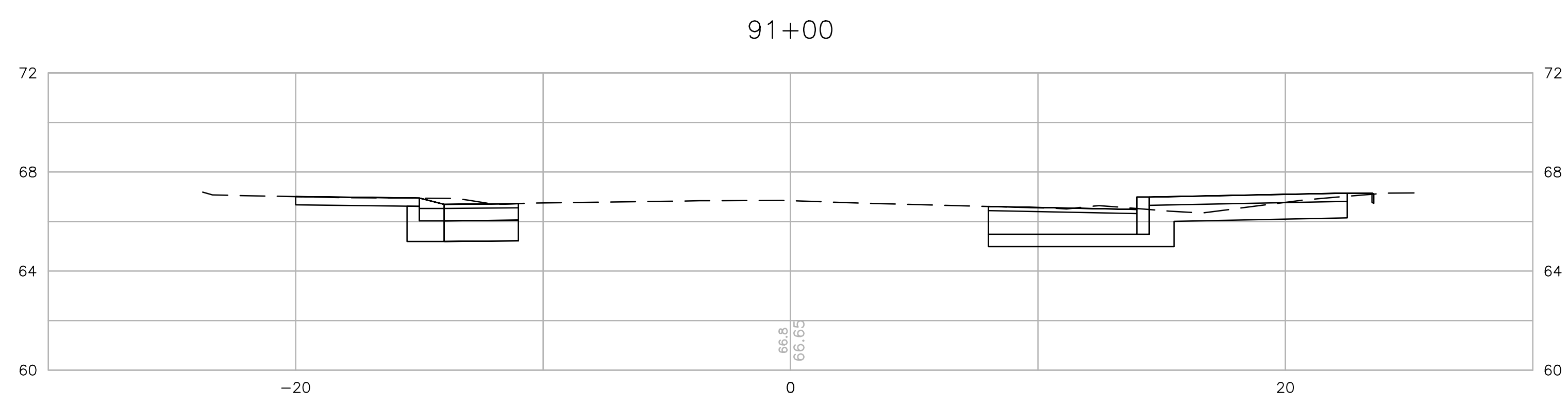
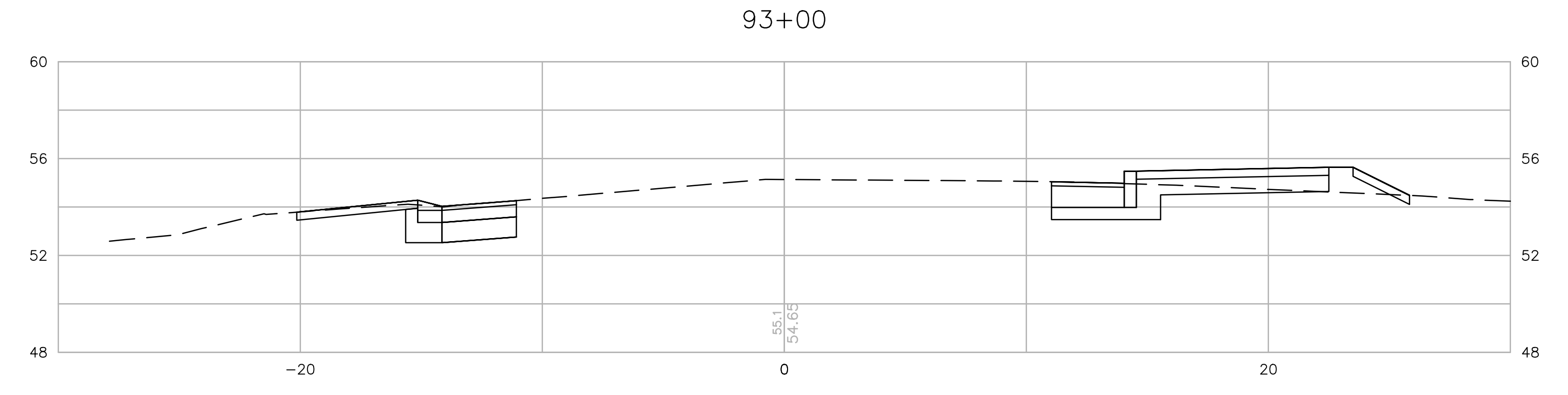
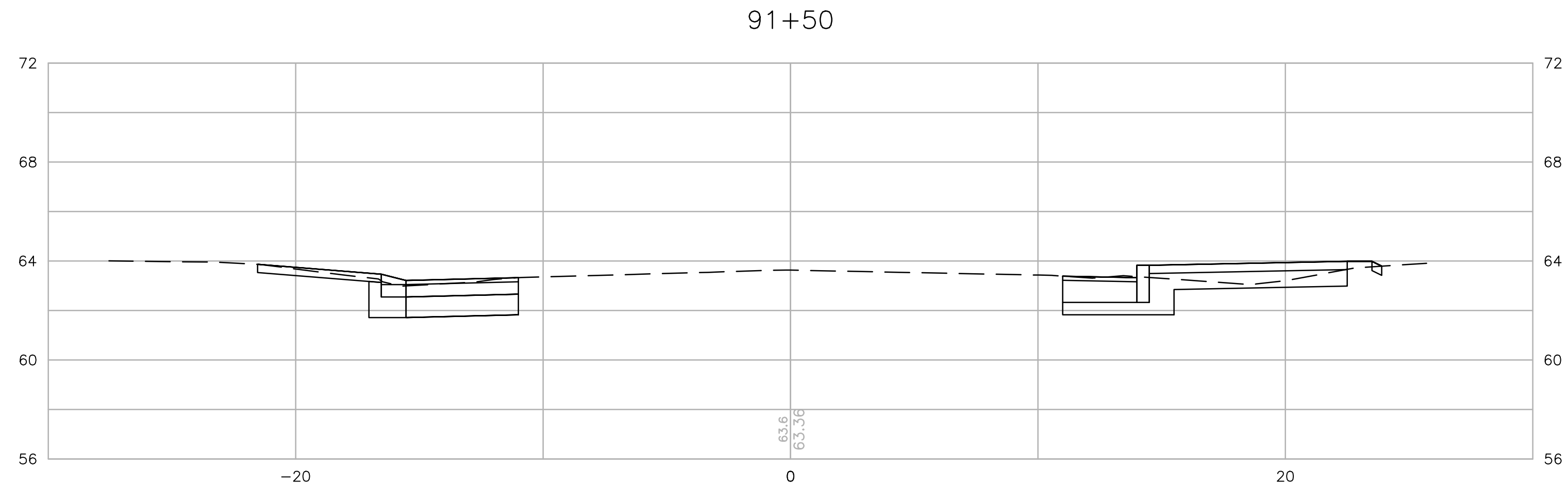
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SHEET: 35
OF: 36

SCALE: 1"=4'

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PURGATORY ROAD SIDEWALK IMPROVEMENTS
MIDDLETOWN RHODE ISLAND

CROSS SECTION



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