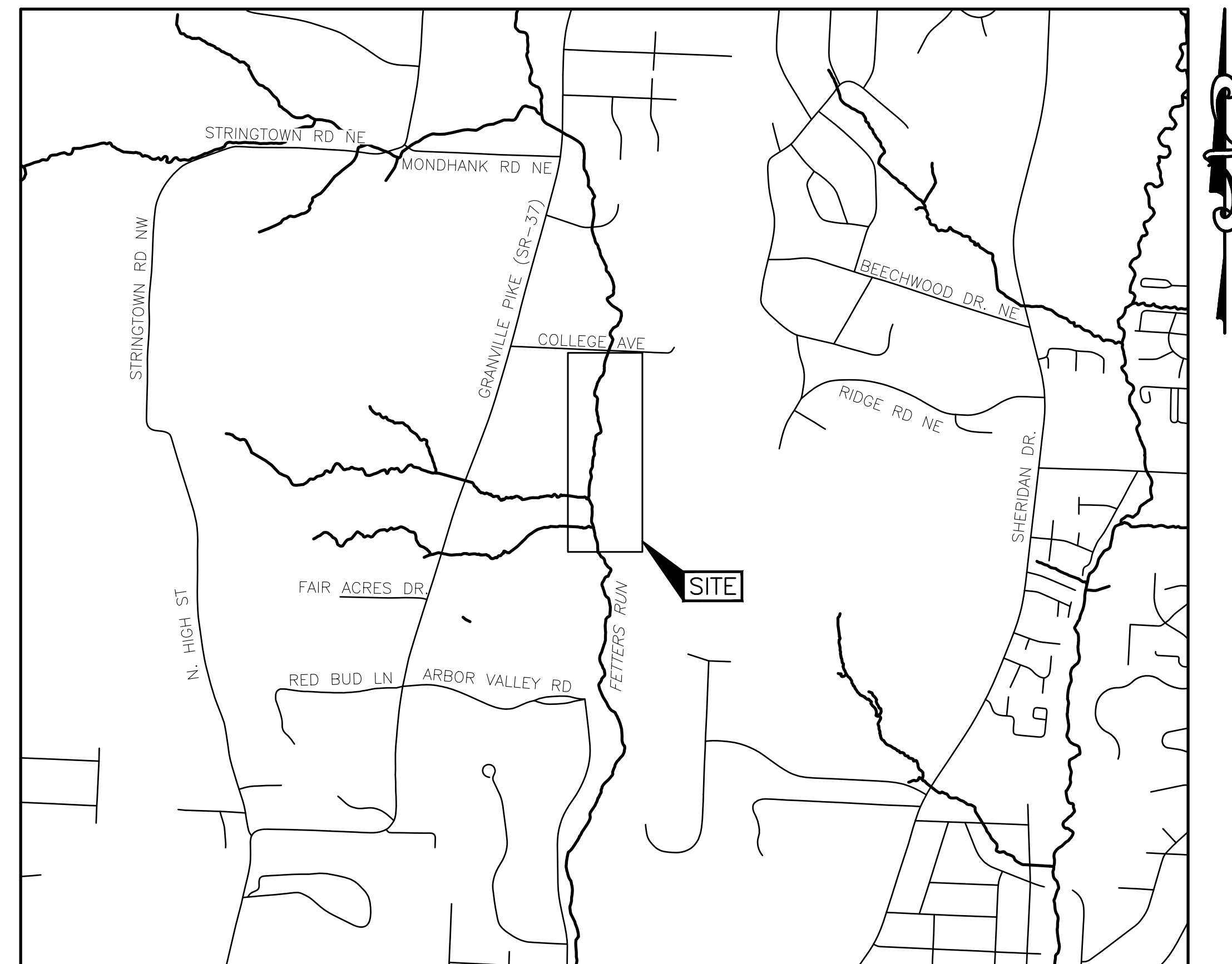


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VICINITY MAP
SCALE: 1' = 1000'

CALL AT LEAST 48 HOURS BUT NO MORE
THAN 10 WORKING DAYS (EXCLUDING
WEEKENDS AND LEGAL HOLIDAYS)
NON-MEMBERS MUST BE CALLED DIRECTLY

A circular blue ink seal for the State of Ohio Professional Engineer. The outer ring contains the text "STATE OF OHIO" at the top and "PROFESSIONAL ENGINEER" at the bottom, separated by two stars. The center of the seal contains the text "JAMES W. EUDAILY" and "E-65600". The word "REGISTERED" is written in a curve along the bottom inner edge of the seal. A signature is written across the bottom of the seal.

[illegible]

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OHIO UNIVERSITY
FETTERS RUN IMPROVEMENTS
STREAM BANK STABILIZATION

TLE SHEET

01/13

PLANS PREPARED BY:



RESOURCE INTERNATIONAL INC.
6350 PRESIDENTIAL GATEWAY
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(614) 823-4949

GENERAL NOTES

1. THE OHIO DEPARTMENT OF TRANSPORTATION CONSTRUCTION AND MATERIAL SPECIFICATIONS, 2023 EDITION, INCLUDING ALL REVISIONS, SPECIAL PROVISIONS, AND SUPPLEMENTAL SPECIFICATIONS LISTED IN THE PROPOSAL AND IN EFFECT AT THE TIME OF APPROVAL OF THESE PLANS BY THE UNIVERSITY SHALL GOVERN THIS IMPROVEMENT, UNLESS OTHERWISE NOTED.
2. ALL WORKMANSHIP AND MATERIALS SHALL BE IN ACCORDANCE WITH THE OHIO UNIVERSITY DESIGN AND CONSTRUCTION STANDARDS AND THE 2023 OHIO DEPARTMENT OF TRANSPORTATION CONSTRUCTION AND MATERIAL SPECIFICATIONS INCLUDING ALL SUPPLEMENTS THERETO.
3. THE CONTRACTOR IS REQUIRED TO VISIT THE SITE AND FULLY INFORM HIMSELF CONCERNING ALL CONDITIONS AFFECTING THE SCOPE OF THE WORK. FAILURE TO VISIT THE SITE SHALL NOT RELIEVE THE CONTRACTOR FROM ANY RESPONSIBILITY IN PERFORMANCE OF THIS CONTRACT.
4. THE CONTRACTOR AND SUBCONTRACTOR(S) SHALL BE SOLELY RESPONSIBLE FOR COMPLYING WITH ALL FEDERAL, STATE AND LOCAL SAFETY REQUIREMENTS, TOGETHER WITH EXERCISING PRECAUTIONS AT ALL TIMES FOR THE PROTECTION OF PERSONS (INCLUDING EMPLOYEES) AND PROPERTY. IT IS THE SOLE RESPONSIBILITY OF THE CONTRACTOR AND SUBCONTRACTOR(S) TO INITIATE, MAINTAIN AND SUPERVISE ALL SAFETY REQUIREMENTS, PRECAUTIONS AND PROGRAMS IN CONNECTION WITH THE WORK.
5. THE CONTRACTOR SHALL OBTAIN PERMITS NECESSARY TO PERFORM SITE IMPROVEMENTS PRIOR TO CONSTRUCTION. PERMITS MAY BE REQUIRED FROM THE OHIO EPA, THE CITY OF LANCASTER, AND OHIO UNIVERSITY AND MAY INCLUDE STREET OPENING PERMITS, UTILITY TAPPING PERMITS, LAND DISTURBANCE PERMITS, AND DEMOLITION PERMITS AMONG OTHERS.
6. THE CONTRACTOR IS RESPONSIBLE TO PROVIDE ALL DEWATERING OPERATIONS AS REQUIRED TO ACCOMPLISH THE PROPOSED CUT AND FILL OPERATIONS AND FOR THE CONSTRUCTION. THE CONTRACTOR SHALL BE RESPONSIBLE TO PLACE AND MAINTAIN THE NECESSARY SEDIMENT CONTROL MEASURES TO FILTER THE DEWATERING DISCHARGE. THE COST OF ALL DEWATERING OPERATIONS SHALL BE INCLUDED IN THE UNIT COSTS OF THE VARIOUS PROJECT BID ITEMS.
7. THE CONTRACTOR SHALL BE RESPONSIBLE FOR PROVIDING DUST CONTROL MEASURES IN ACCORDANCE WITH ITEM 616. DUST CONTROL OPERATIONS SHALL BE PERFORMED ON A PERIODIC BASIS AND/OR AS DIRECTED BY THE ENGINEER/OWNER TO ALLEVIATE OR PREVENT THE DUST NUISANCE ORIGINATION WITHIN THE PROJECT WORK LIMITS. THE COST OF ALL DUST CONTROL MEASURES SHALL BE INCLUDED IN THE UNIT COSTS OF THE VARIOUS PROJECT BID ITEMS.
8. NON RUBBER-TIRED VEHICLES SHALL NOT BE MOVED ON PUBLIC OR UNIVERSITY STREETS. EXCEPTIONS MAY BE GRANTED BY CITY OF LANCASTER OR OHIO UNIVERSITY AS APPROPRIATE WHERE SHORT DISTANCES AND SPECIAL CIRCUMSTANCES ARE INVOLVED. GRANTING OF EXCEPTIONS MUST BE IN WRITING, AND ANY DAMAGE MUST BE REPAIRED TO THE SATISFACTION OF THE CITY OF LANCASTER AND/OR OHIO UNIVERSITY.
9. THE CONTRACTOR SHALL FURNISH AND MAINTAIN SANITARY CONVENIENCE FACILITIES FOR THE WORKMEN AND INSPECTORS FOR THE DURATION OF THE WORK. COST SHALL BE INCLUDED IN THE UNIT COSTS OF THE VARIOUS PROJECT BID ITEMS.
10. NO MATERIALS SHALL BE STORED WITHIN THE RIGHT-OF-WAY OR WITHIN ONE HUNDRED (100) FEET OF ANY INTERSECTING STREET OR DRIVEWAY. DURING NON-WORKING HOURS, STORAGE OF EQUIPMENT SHALL COMPLY WITH THESE SAME REQUIREMENTS. COMPLIANCE WITH THESE REQUIREMENTS SHALL NOT IN ANY WAY RELIEVE THE CONTRACTOR OF HIS LEGAL RESPONSIBILITIES OR LIABILITIES FOR THE SAFETY OF THE PUBLIC. THE CONTRACTOR SHALL INDICATE HIS INTENT WITH REGARD TO STORAGE OF MATERIAL AT THE PRECONSTRUCTION MEETING.
11. IF ANY PUBLIC OR UNIVERSITY STREET IS DAMAGED AS A RESULT OF CONSTRUCTION TRAFFIC RELATED TO CONSTRUCTION AS DETERMINED BY OHIO UNIVERSITY AND THE CITY OF LANCASTER, ALL REQUESTED REPAIRS SHALL BE MADE BY THE CONTRACTOR. EXISTING PAVEMENT SURFACES SHALL BE VIDEOTAPED PRIOR TO THE PRE-CONSTRUCTION MEETING BY THE CONTRACTOR AND A COPY OF THE TAPE IS TO BE FURNISHED TO OHIO UNIVERSITY.
12. PROVISIONS FOR ALL CONSTRUCTION STAKING REQUIRED TO ACCOMPLISH THE IMPROVEMENTS SHALL BE PERFORMED BY A STATE OF OHIO LICENSED PROFESSIONAL SURVEYOR IN ACCORDANCE WITH CONTRACT DOCUMENTS.
13. CAREFULLY PRESERVE BENCHMARKS, PROPERTY CORNERS, REFERENCE POINTS AND STAKES. ANY BENCHMARK, PROPERTY CORNER OR SURVEY MARKER DAMAGED OR DISTURBED BY THE CONTRACTOR SHALL BE RESET BY AN OHIO REGISTERED SURVEYOR AT THE CONTRACTORS EXPENSE.
14. THE CONTRACTOR SHALL PERFORM ALL ITEMS OF WORK CALLED FOR ON THE PLANS. FOR WORK WHERE NO SPECIFIC METHOD OF PAYMENT IS PROVIDED, THE COST OF THESE ITEMS SHALL BE INCLUDED IN THE VARIOUS UNIT PRICES BID FOR THE PROJECT IMPROVEMENT.
15. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE PROTECTION AND SECURITY OF ALL STORED AND INSTALLED MATERIALS UNTIL FINAL ACCEPTANCE BY THE OWNER.
16. THE CONTRACTOR SHALL RESTORE GROUND SURFACES DAMAGED DURING CONSTRUCTION, INCLUDING BUT NOT LIMITED TO FILLING RUTS AND DIVOTS, SMOOTHING THE GROUND SURFACE, LAYING NEW TOPSOIL AS NEEDED, LAYING GRASS SEED, APPLYING STRAW AND WATERING.
17. THE CONTRACTOR SHALL PROTECT THE EXISTING BRIDGE AGAINST UNDERMINING OF THE EXISTING FOOTINGS OR OTHER DETRIMENT DUE TO CONTRACTOR’S ACTIVITIES.
18. THE CONTRACTOR SHALL SUBMIT SHOP DRAWINGS TO THE ENGINEER FOR THE ROCK CHANNEL PROTECTION AND THE FABRIC FILTER. SUBMITTALS SHALL BE MADE BY THE CONTRACTOR. NO SUBMITTALS SHALL BE ACCEPTED DIRECTLY FROM SUBCONTRACTORS OR FABRICATORS.
19. THE CONTRACTOR SHALL PROVIDE TEMPORARY SEEDING AND MULCHING FOR ALL EXPOSED AREAS OF EARTH DISTURBANCE EXPECTED TO REMAIN UNDISTURBED FOR MORE THAN TWO (2) DAYS.
20. THE CONTRACTOR SHALL PROVIDE PERMANENT SEEDING AND MULCHING TO ALL AREAS BROUGHT TO FINAL GRADE WITHIN SEVEN (7) DAYS OF ESTABLISHING FINAL GRADE.
21. ALL SEEDING, MULCHING, AND TOPSOIL PLACEMENT SHALL CONFORM TO ODOT C&MS ITEM 659. CONTRACTOR MUST REMOVE ROCK >1 INCH DIAMETER ROCK DEBRIS WITHIN THE SEEDING AREA PRIOR TO SEEDING.
22. THE CONTRACTOR SHALL REMOVE, HAUL AWAY, AND DISPOSE OF ALL EXCAVATED MATERIALS.

EXISTING UTILITIES

1. THE IDENTITY AND LOCATION OF EXISTING UNDERGROUND UTILITIES LOCATED IN AND AROUND THE CONSTRUCTION AREA HAVE BEEN SHOWN AND LABELED ON THE PLANS BY USING INFORMATION PROVIDED BY THE RESPECTIVE UTILITY OWNERS. THE OWNER OR THE CONSULTING ENGINEER WILL NOT ASSUME RESPONSIBILITY FOR THE ACCURACY OF LOCATION OR DEPTH OF EXISTING UNDERGROUND UTILITIES AS SHOWN ON THE PLAN. THERE ARE EXISTING ELECTRICAL OUTLETS AND CONDUIT ALONG EACH BRIDGE ABUTMENT. THE CONTRACTOR MUST NOT PLACE RIPRAP, HINDERING ACCESS TO FUTURE USE.
2. SUPPORT AND PROTECTION OF ALL UTILITIES AND APPURTENANCES SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR. COSTS FOR THE REPAIR AND RESTORATION OF EXISTING UTILITIES DAMAGED BY THE CONTRACTOR SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR. THE CONTRACTOR IS RESPONSIBLE FOR LOCATING ALL SERVICE LATERAL AND LINES. COSTS ASSOCIATED WITH THE ABOVE WORK AND RESPONSIBILITIES SHALL BE INCLUDED IN THE LUMP SUM PRICE FOR THE PROJECT IMPROVEMENTS.
3. THE CONTRACTOR SHALL CONTACT THE OHIO UNIVERSITY PROJECT MANAGER AND PROVIDE THEM WITH THE COMPLETED O.U. UNDERGROUND LOCATE WORK ORDER AS FOUND IN THE OHIO UNIVERSITY DESIGN AND CONSTRUCTION STANDARDS ALONG WITH ALL REQUIRED INFORMATION. THE PROJECT MANAGER WILL FACILITATE THE LOCATING OF UNDERGROUND UTILITIES ON CAMPUS AS DESCRIBED IN THE UNDERGROUND UTILITY LOCATING PROCESS SUMMARY.
4. THE CONTRACTOR SHALL CALL THE OHIO UTILITIES PROTECTION SERVICE (OUPS) AT 8-1-1 OR AT 1-800-362-2764, AND THE OIL & GAS PRODUCERS UNDERGROUND PROTECTION SERVICE (OGPUPS) AT 1-800-925-0988 AT LEAST 48 HOURS BUT NO MORE THAN 10 WORKING DAYS (EXCLUDING WEEKENDS AND LEGAL HOLIDAYS) PRIOR TO STARTING ANY EXCAVATION. ANY UTILITIES THAT ARE NOT A MEMBER OF THESE ORGANIZATIONS SHALL BE CONTACTED DIRECTLY AT LEAST 48 HOURS BUT NO MORE THAN 10 WORKING DAYS (EXCLUDING WEEKENDS AND LEGAL HOLIDAYS) PRIOR TO STARTING ANY EXCAVATION.
5. LISTED BELOW ARE UTILITY COMPANIES THAT HAVE FACILITIES LOCATED WITHIN THE WORK LIMITS OF THIS PROJECT AND SUBSCRIBE TO OUPS:

ELECTRIC
SOUTH CENTRAL POWER COMPANY
740 MILL PARK DRIVE
LANCASTER, OHIO, 43130
PH (800) 282-5064

SEWER
CITY OF LANCASTER
DIVISION OF WATER POLLUTION CONTROL
800 LAWRENCE STREET
LANCASTER, OHIO, 43130
PH (740) 687-6664

GAS
CITY OF LANCASTER
MUNICIPAL GAS DEPARTMENT
1424 CAMPGROUND ROAD
LANCASTER, OHIO, 13130
PH (740) 687-6670

OHIO UNIVERSITY LANCASTER
FACILITIES MANAGEMENT
1570 GRANVILLE PIKE
LANCASTER, OHIO 43130
PH. (740) 593-2911

WATER
CITY OF LANCASTER
DIVISION OF WATER
225 N. MEMORIAL DR.
LANCASTER, OHIO 43130
PH: (740) 687-6631

ESTIMATE OF QUANTITIES

ITEM NO.	ITEM DESCRIPTION	UNIT	QUANTITY*
202	CONCRETE WALK REMOVED	SY	7
202	PIPE REMOVED, 24" AND UNDER	LF	16
203	EXCAVATION	CY	1984
601	ROCK CHANNEL PROTECTION, TYPE C	CY	1196
608	CONCRETE WALK	SY	7
611	18" CONDUIT, TYPE C	LF	8
611	21" CONDUIT, TYPE C	LF	11
659	SEEDING AND MULCHING	LS	1
SPEC	STEEL BOLLARD, LOCKABLE	EA	6
	MOBILIZATION	LS	1
	EROSION AND SEDIMENT CONTROL	LS	1

*ESTIMATED QUANTITIES AS SHOWN ON THE CONSTRUCTION DRAWINGS AND SPECIFICATIONS ARE APPROXIMATE ONLY. THE ESTIMATED QUANTITIES ARE BELIEVED TO BE COMPLETE AND ACCURATE, HOWEVER, THE CONTRACTOR IS RESPONSIBLE TO COMPLETE THE PROJECT AS TO THE INTENT SHOWN ON THE DRAWINGS AND DESCRIBED IN THE SPECIFICATIONS AND CONTRACT DOCUMENTS. ADDITIONAL COMPENSATION WILL NOT BE MADE TO THE CONTRACTOR FOR HIS FAILURE TO INCLUDE THE TOTAL COST OF ALL LABOR, EQUIPMENT, AND MATERIALS IN THE TOTAL BID PRICE.

PROHIBITED CONSTRUCTION ACTIVITIES

1. THE CONTRACTOR SHALL NOT USE CONSTRUCTION PROCEEDINGS, ACTIVITIES OR OPERATIONS THAT MAY UNNECESSARILY IMPACT THE NATURAL ENVIRONMENT OR THE PUBLIC HEALTH AND SAFETY. PROHIBITED CONSTRUCTION PROCEEDINGS, ACTIVITIES OR OPERATIONS INCLUDE, BUT ARE NOT LIMITED TO:
- A. DISPOSING OF EXCESS OR UNSUITABLE EXCAVATED MATERIAL IN WETLANDS OR FLOODPLAINS, EVEN WITH THE PERMISSION OF THE PROPERTY OWNER.
- B. INDISCRIMINATE, ARBITRARY, OR CAPRICIOUS OPERATION OF EQUIPMENT IN ANY STREAM CORRIDORS, ANY WETLANDS, ANY SURFACE WATERS, OR OUTSIDE THE EASEMENT LIMITS.
- C. PUMPING OF SEDIMENT-LADEN WATER FROM TRENCHES OR OTHER EXCAVATIONS INTO ANY SURFACE WATERS, ANY STREAM CORRIDORS, ANY WETLANDS OR STORM DRAINS.
- D. DISCHARGING POLLUTANTS SUCH AS CHEMICALS, FUEL, LUBRICANTS, BITUMINOUS MATERIALS, RAW SEWAGE, AND OTHER HARMFUL WASTE INTO OR ALONGSIDE OF RIVERS, STREAMS, IMPOUNDMENTS OR INTO NATURAL OR MAN-MADE CHANNELS LEADING THERETO.
- E. PERMANENT OR UNSPECIFIED ALTERATION OF FLOW LINE OF A STREAM.
- F. DAMAGING VEGETATION OUTSIDE OF THE CONSTRUCTION AREA.
- G. DISPOSAL OF TREES, BRUSH AND OTHER DEBRIS IN ANY STREAM CORRIDORS, IN WETLANDS, AND SURFACE WATER, OR AT UNSPECIFIED LOCATIONS.
- H. OPEN BURNING OF PROJECT DEBRIS WITHOUT A PERMIT.
- I. STORING CONSTRUCTION EQUIPMENT AND VEHICLES AND/OR STOCK PILING CONSTRUCTION MATERIALS ON PROPERTY, PUBLIC OR PRIVATE, NOT PREVIOUSLY SPECIFIED BY OHIO UNIVERSITY FOR SAID PURPOSE.
- J. THE USE OF EXPLOSIVES IS STRICTLY PROHIBITED.

LEGEND

	EXISTING CENTERLINE OF ROAD		EXISTING DITCH/SWALE
	EXISTING RIGHT OF WAY LINE		EXISTING EDGE OF WATER
	EXISTING PROPERTY LINE		EXISTING MAJOR CONTOUR
	EXISTING EASEMENT		EXISTING MINOR CONTOUR
	EXISTING BUILDING		EXISTING GAS MAIN
	EXISTING CANOPY		EXISTING GAS SERVICE
	EXISTING EDGE OF PAVEMENT		EXISTING UNDERGROUND ELECTRIC
	EXISTING CURB		EXISTING UNDERGROUND FIBER OPTIC
	EXISTING CURB AND GUTTER		EXISTING FORCE MAIN
	EXISTING DRIVE		EXISTING UNDERGROUND TELEPHONE
	EXISTING WALK		EXISTING TRAFFIC SIGNAL LOOP
	EXISTING PATH		EXISTING SPAN WIRE
	EXISTING LANDSCAPING AREA		EXISTING COMBINED SEWER
	EXISTING GUARDRAIL		EXISTING SANITARY SEWER
	EXISTING FENCE		EXISTING SANITARY LATERAL
	EXISTING GUY WIRE		EXISTING STORM SEWER
	EXISTING RAILROAD		EXISTING ROOF DRAIN/UNDERDRAIN

	EXISTING COMBINED SEWER MANHOLE		EXISTING STORM MANHOLE
	EXISTING SANITARY MANHOLE		EXISTING CATCH BASIN
	EXISTING STORM MANHOLE		EXISTING CURB AND GUTTER INLET
	EXISTING CURB AND GUTTER INLET		EXISTING CURB INLET
	EXISTING CLEANOUT		EXISTING GAS VALVE
	EXISTING GAS VALVE		EXISTING GAS SERVICE VALVE
	EXISTING GAS METER		EXISTING GAS METER
	EXISTING WATER VALVE AND BOX		EXISTING FIRE HYDRANT
	EXISTING CURB STOP AND BOX		EXISTING CURB STOP AND BOX NOT FOUND
	EXISTING POST INDICATOR AND VALVE		EXISTING WELL
	EXISTING WATER SERVICE TAP		

	PROPOSED CENTERLINE		PROPOSED GAS MAIN
	PROPOSED RIGHT-OF-WAY		PROPOSED UNDERGROUND ELECTRIC
	PROPOSED PROPERTY LINE		PROPOSED UNDERGROUND FIBER OPTIC
	PROPOSED EASEMENT		PROPOSED UNDERGROUND TELEPHONE
	PROPOSED EDGE OF PAVEMENT		PROPOSED SANITARY SEWER
	PROPOSED CURB		PROPOSED STORM SEWER
	PROPOSED CURB AND GUTTER		PROPOSED UNDERDRAIN
	PROPOSED DRIVE		PROPOSED WATER MAIN
	PROPOSED WALK		PROPOSED MANHOLE
	PROPOSED CONTOUR		PROPOSED CATCH BASIN
	PROPOSED WATER SERVICE TAP		PROPOSED CURB INLET
	PROPOSED CURB STOP AND BOX		PROPOSED STORM STRUCTURE NUMBER
	PROPOSED WATER METER AND BOX		EXISTING SPOT ELEVATION
			PROPOSED SPOT ELEVATION

ABBREVIATIONS:
D.I. = DUCTILE IRON

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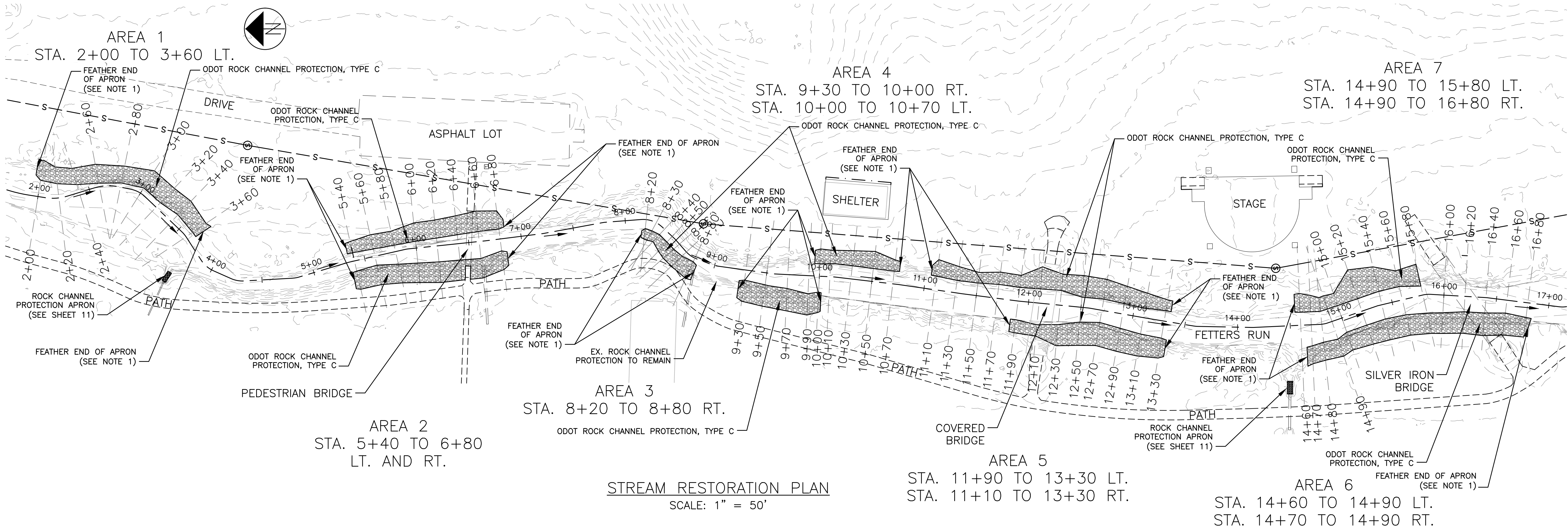


OHIO UNIVERSITY
FETTERS RUN IMPROVEMENTS
STREAM BANK STABILIZATION

GENERAL NOTES

AREA	SIDE	START	END	TYPE	DEPTH
1	LEFT	2+00	3+60	ODOT C	18"
2	BOTH	5+40	6+80	ODOT C	18"
3	RIGHT	8+20	8+80	ODOT C	18"
4	RIGHT	9+30	10+00	ODOT C	18"
	LEFT	10+00	10+70		
5	RIGHT	11+90	13+30	ODOT C	18"
	LEFT	11+10	13+30		
6	RIGHT	14+70	14+90	ODOT C	18"
	LEFT	14+60	14+90		
7	RIGHT	14+90	16+80	ODOT C	18"
	LEFT	14+90	15+80		

- NOTES:
- FEATHER ENDS OF ROCK CHANNEL PROTECTION APRONS AS NOTED TO TIE BACK INTO EXISTING TOPOGRAPHY.
 - FOR ROCK CHANNEL PROTECTION APRONS LOCATED AT ENDS OF STORM SEWER PIPES, SEE SHEET 11.



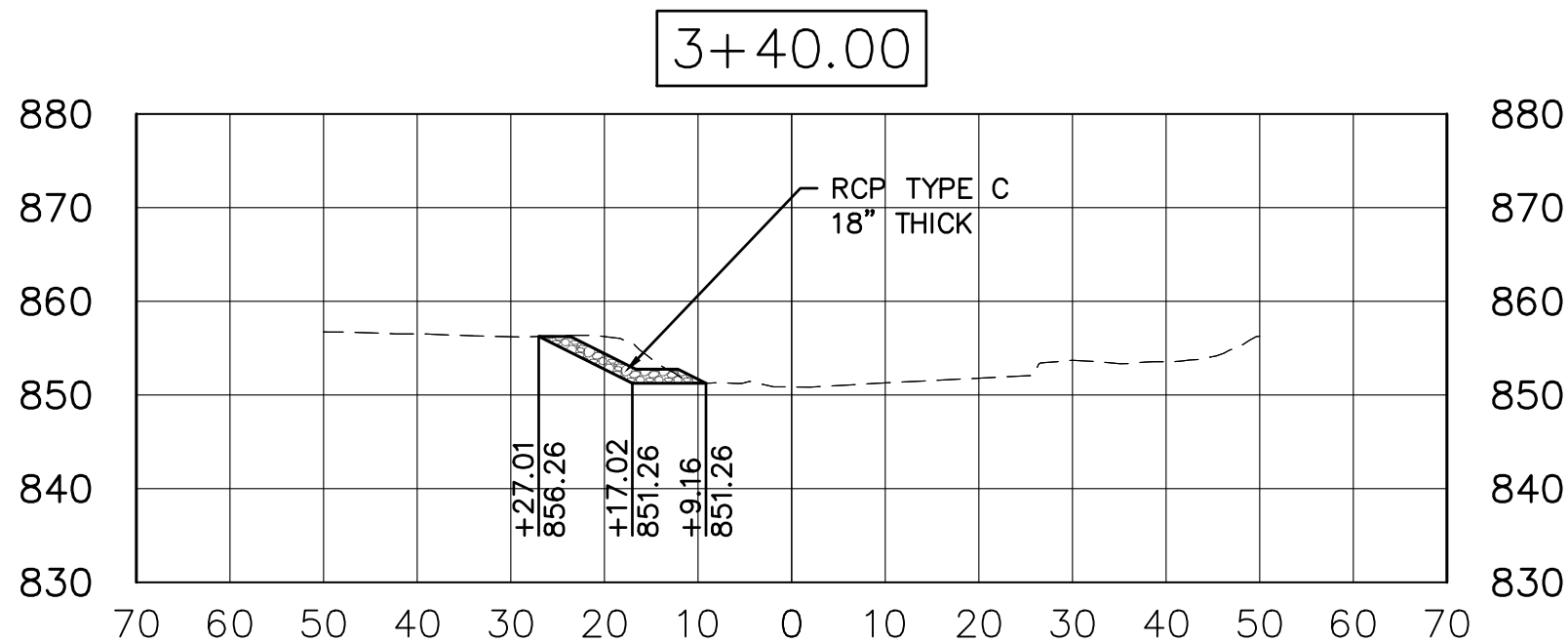
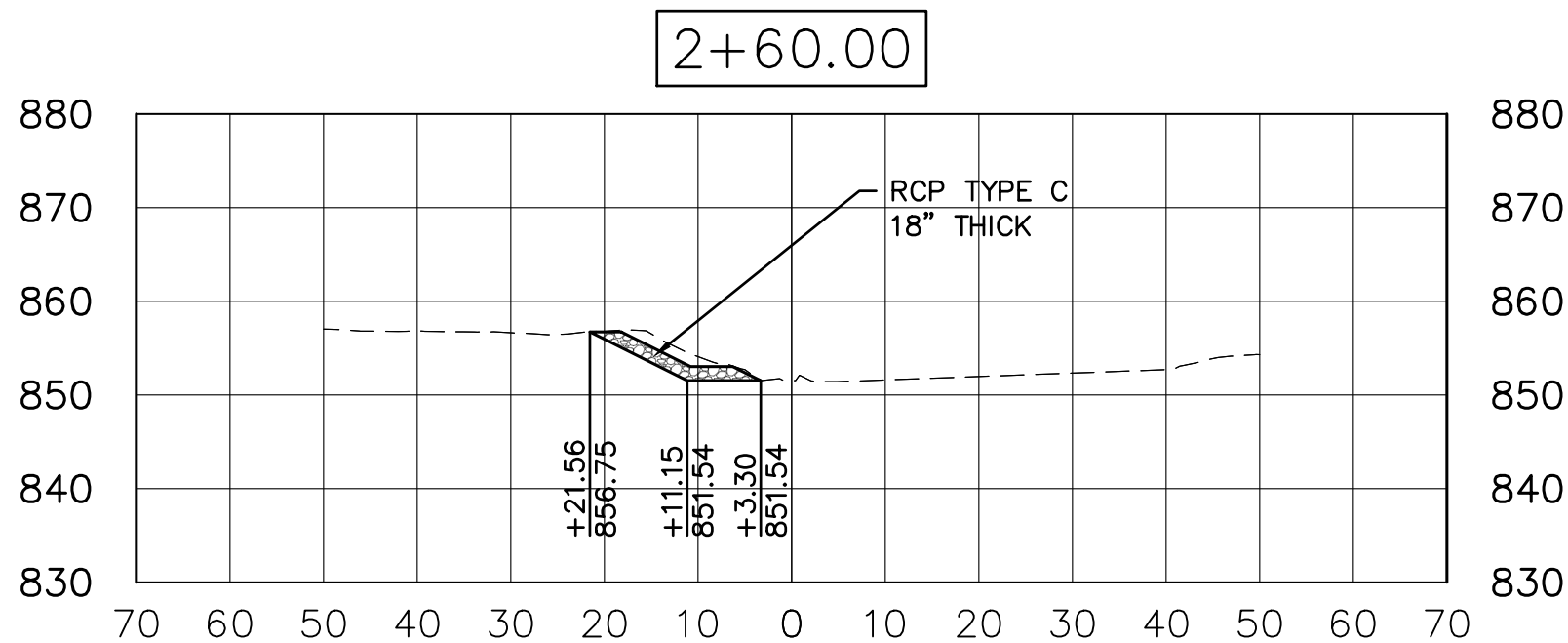
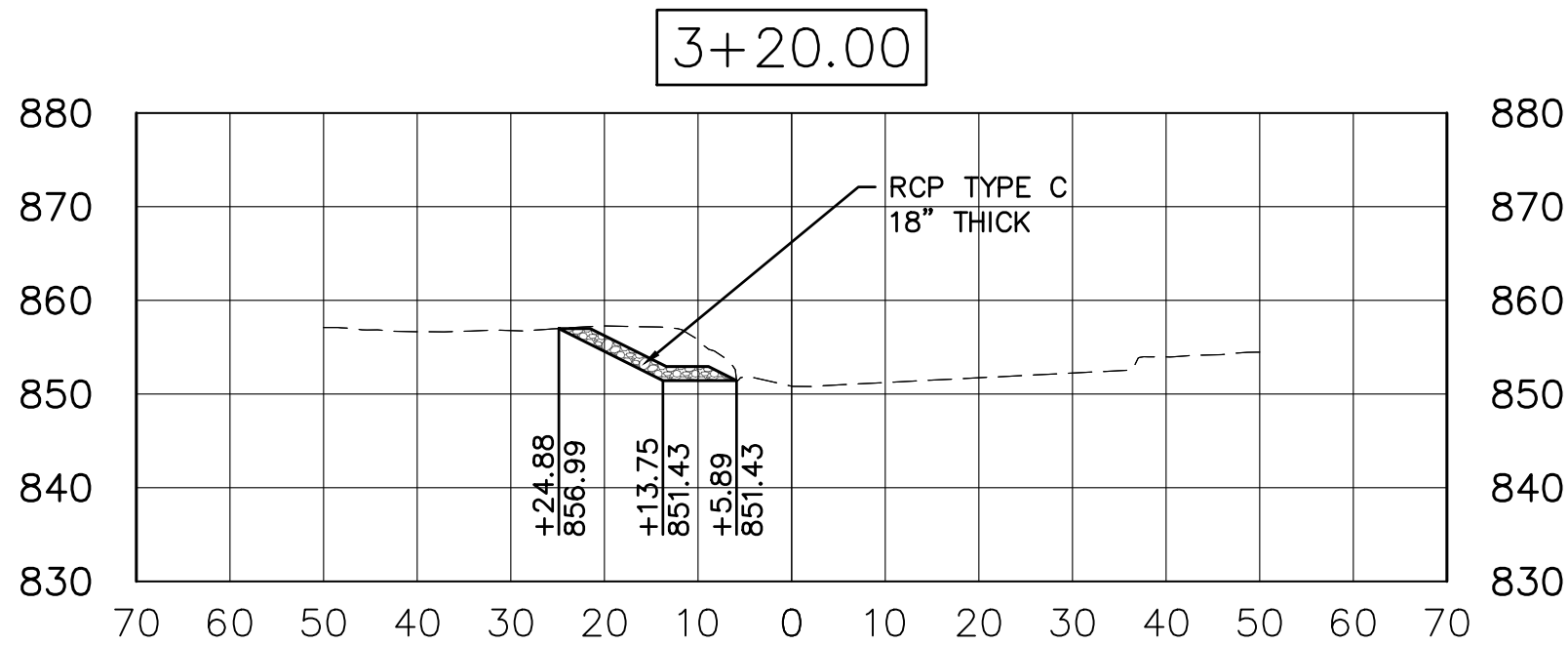
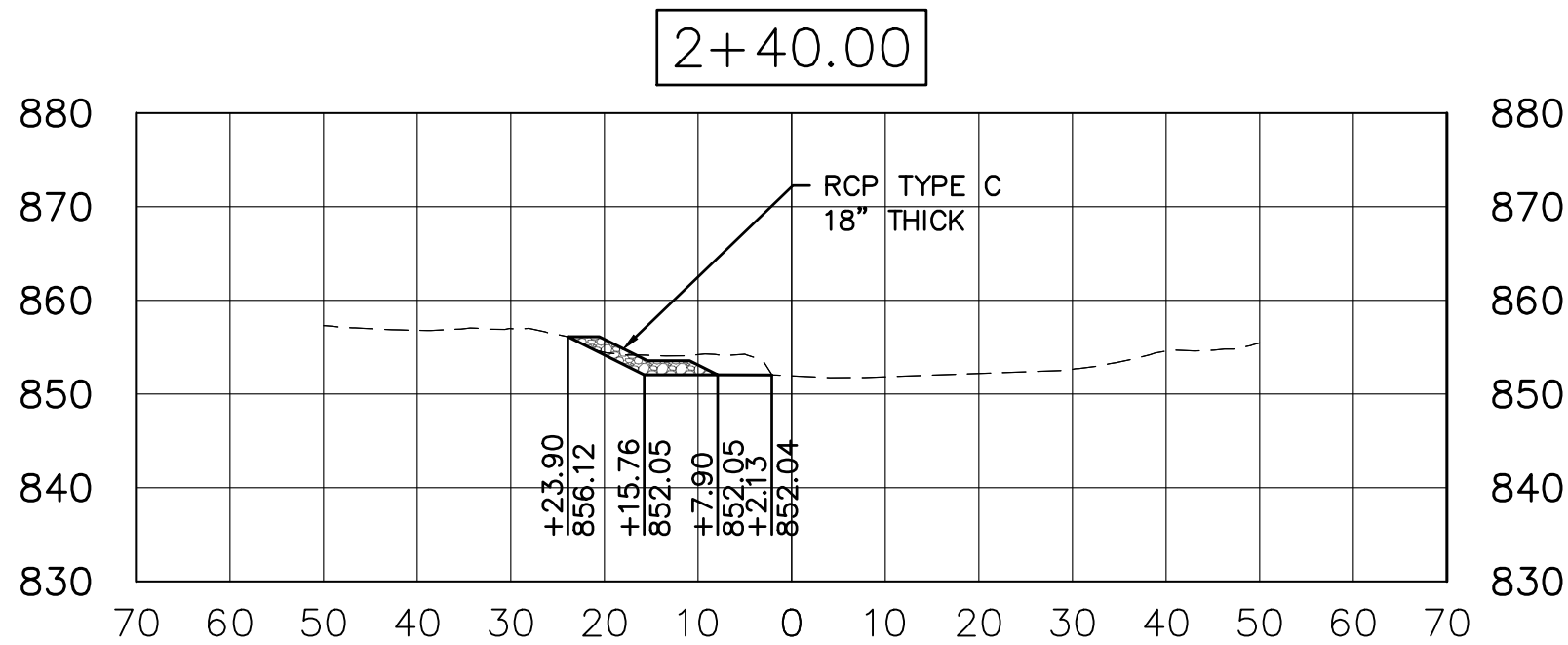
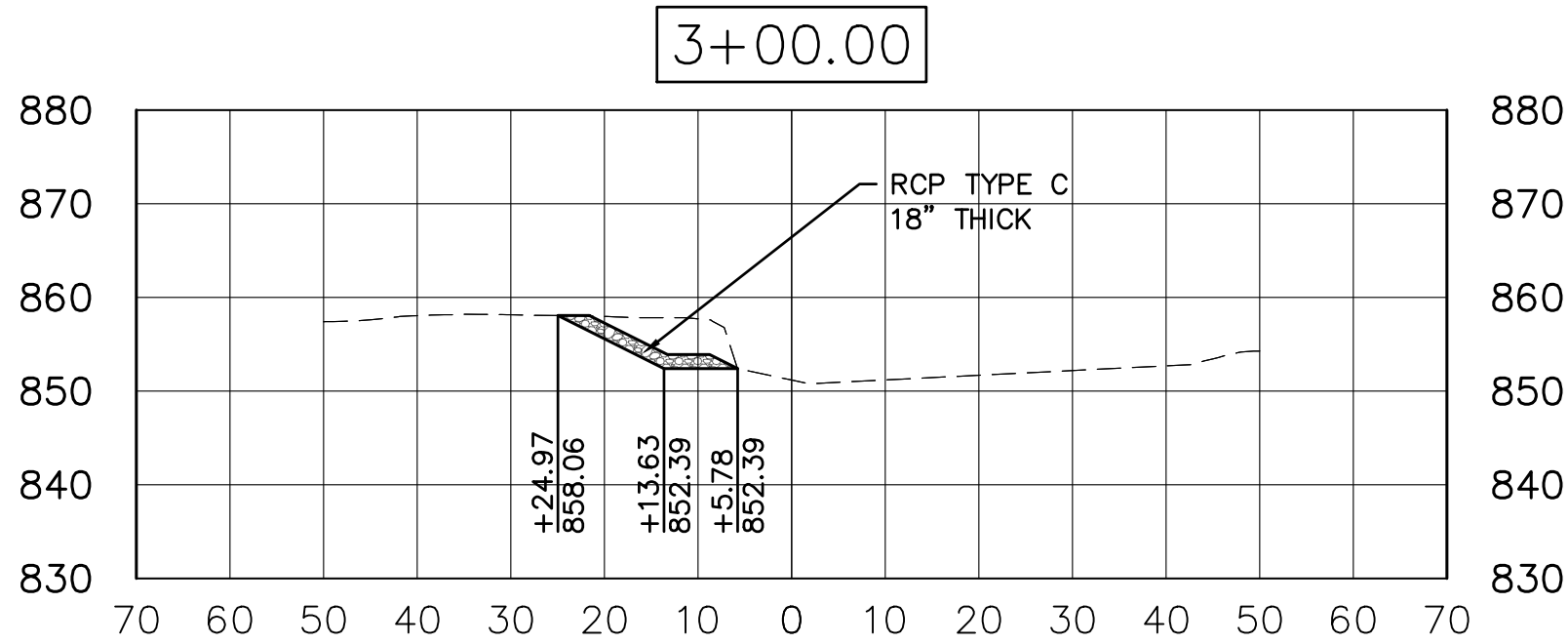
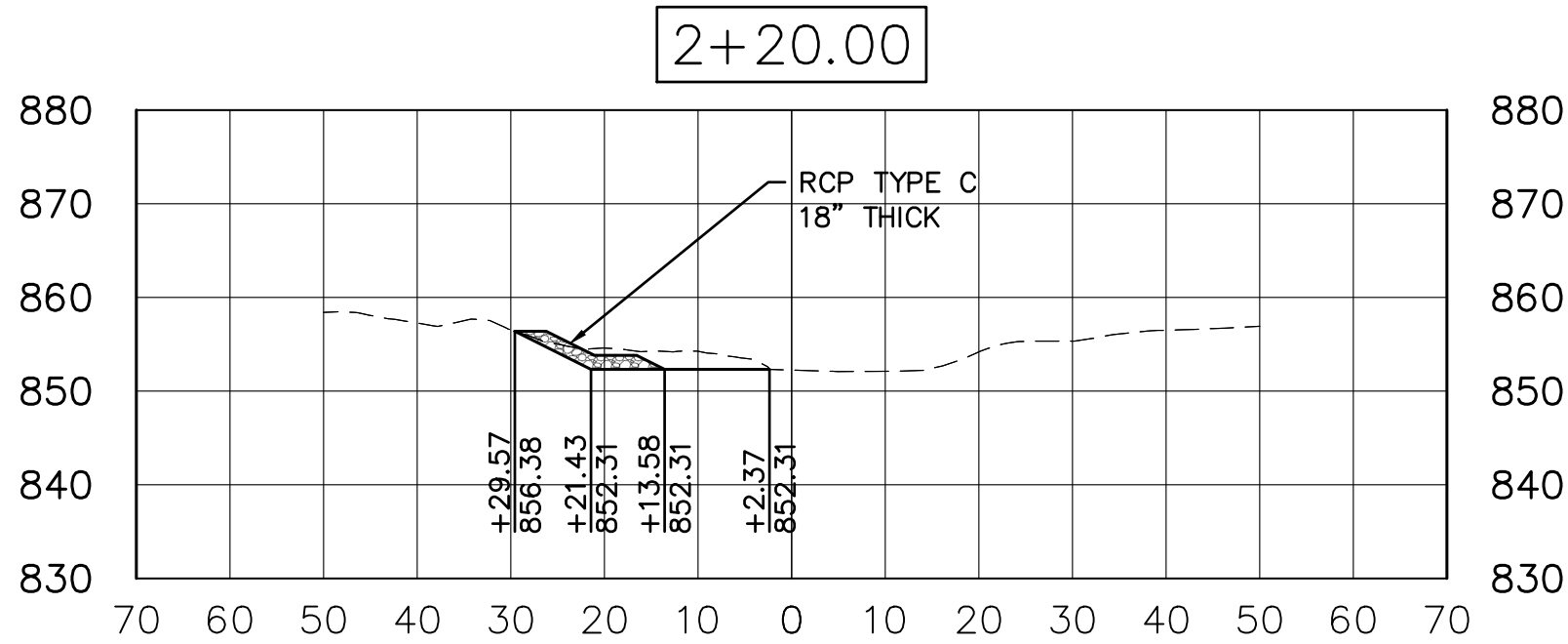
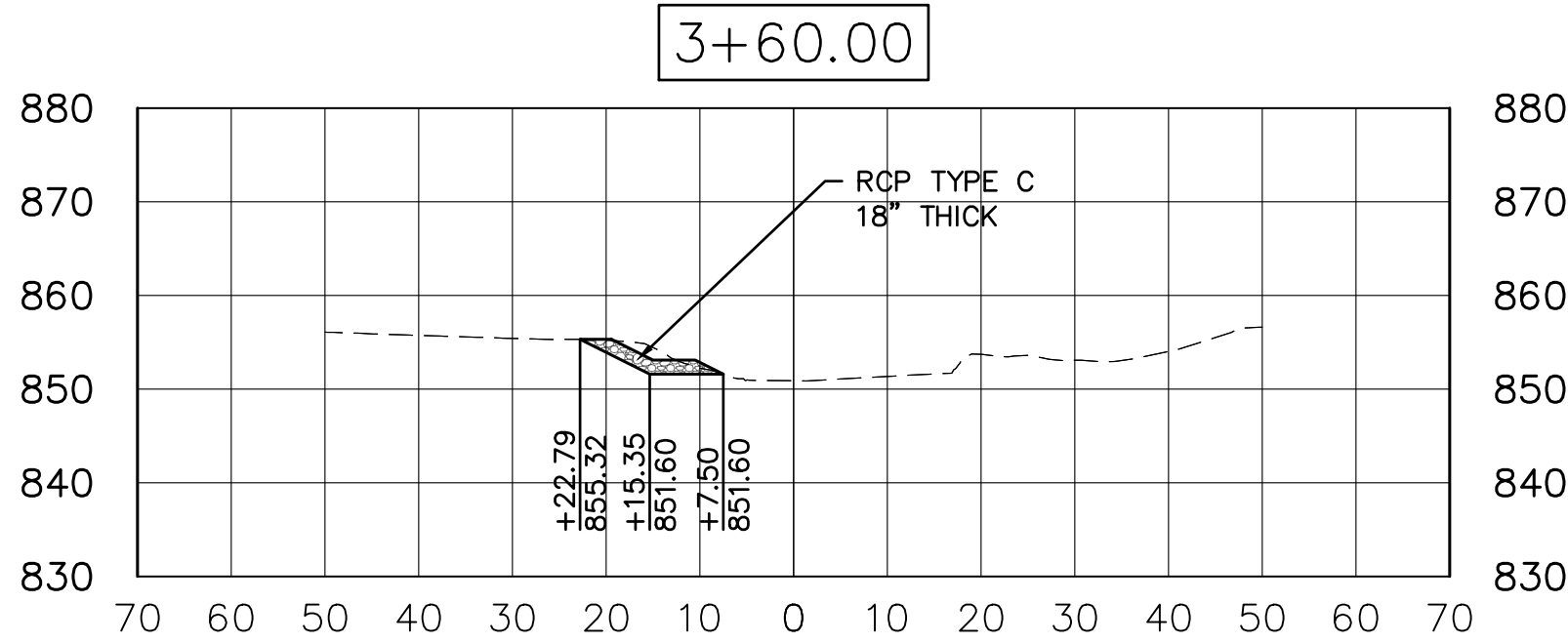
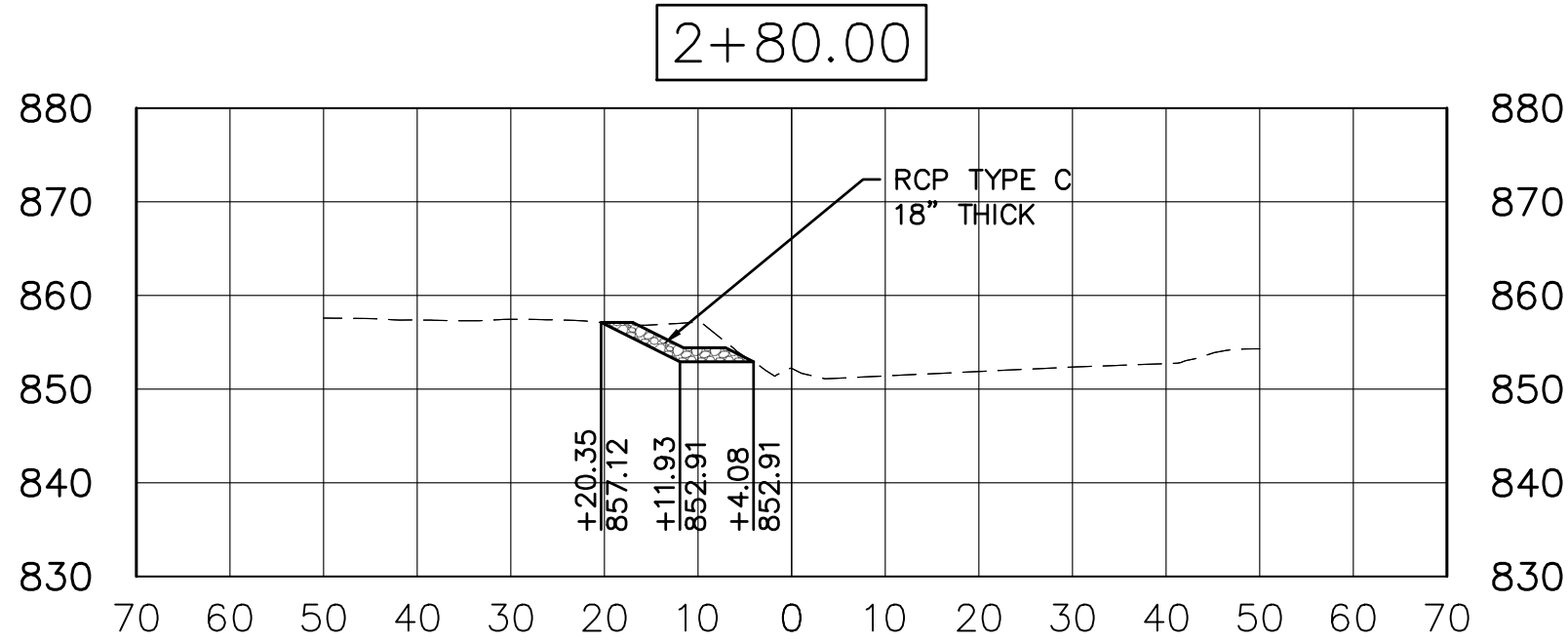
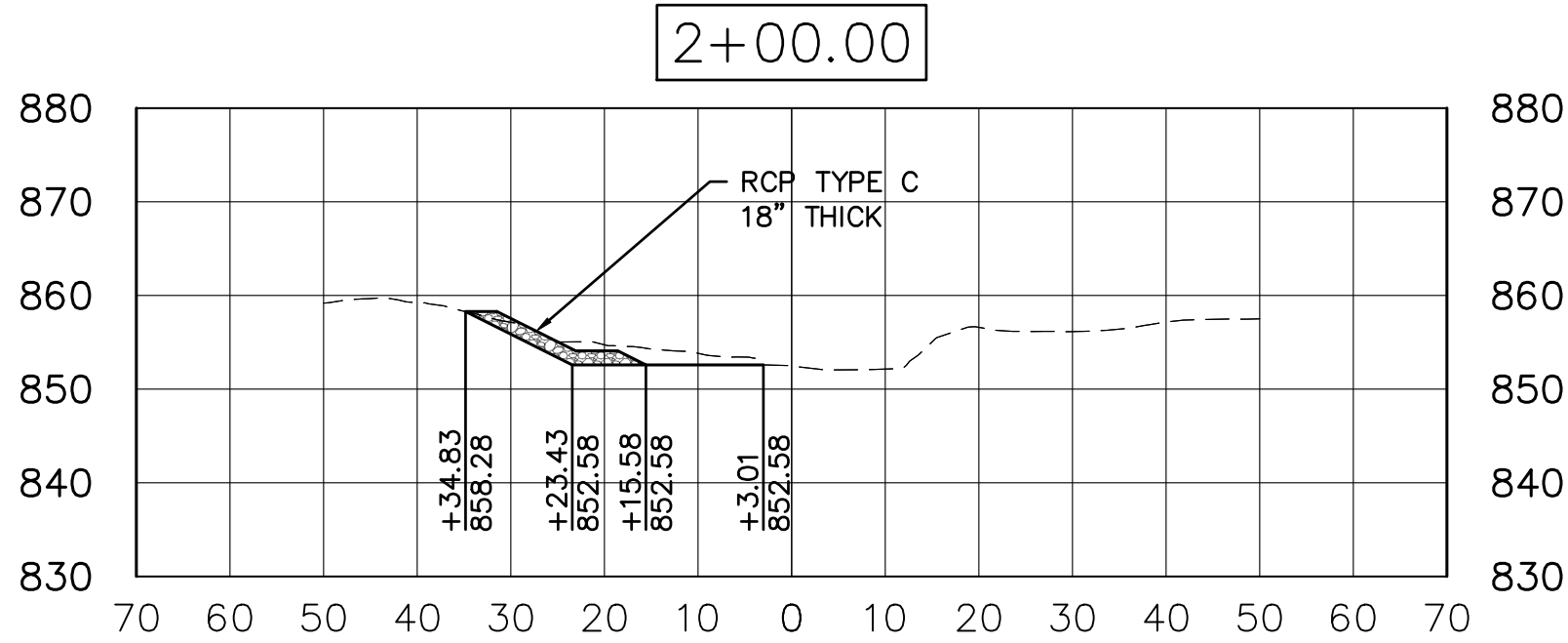
Drawing Issue & Revision Status			
Mark	Date	Issued By	Description

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OHIO UNIVERSITY
FETERS RUN IMPROVEMENTS
STREAM BANK STABILIZATION

STREAM
RESTORATION PLAN



Drawing Issue & Revision Status			
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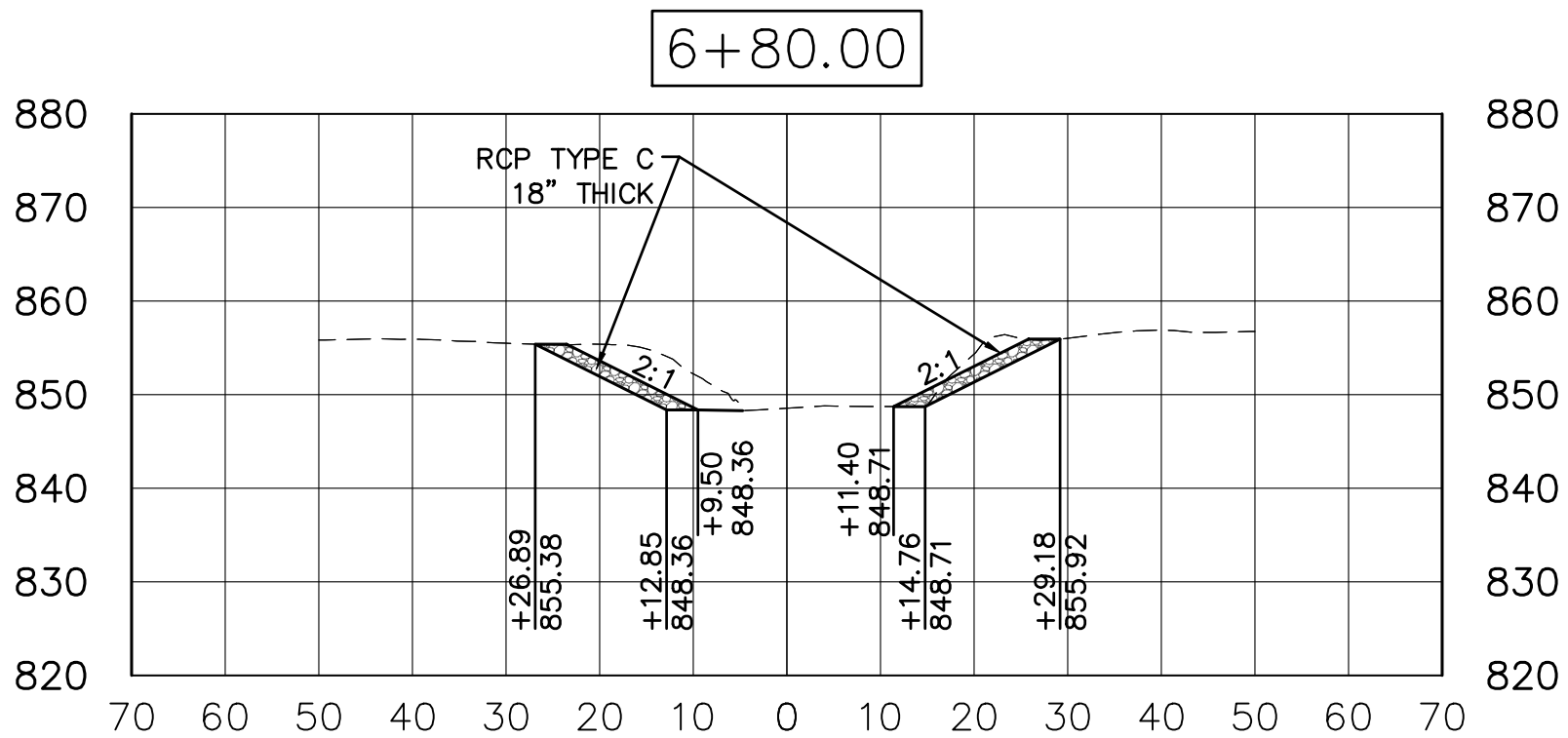
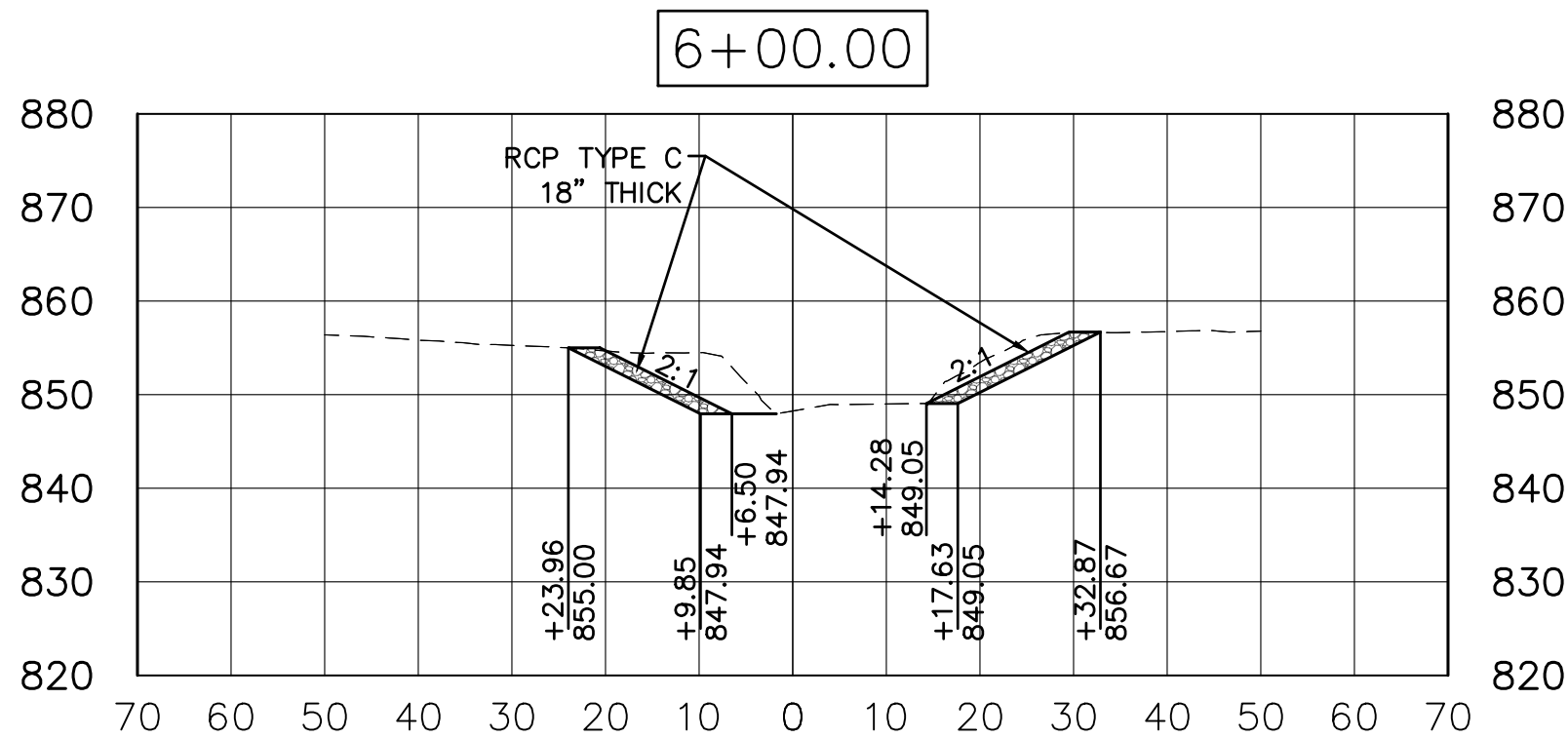
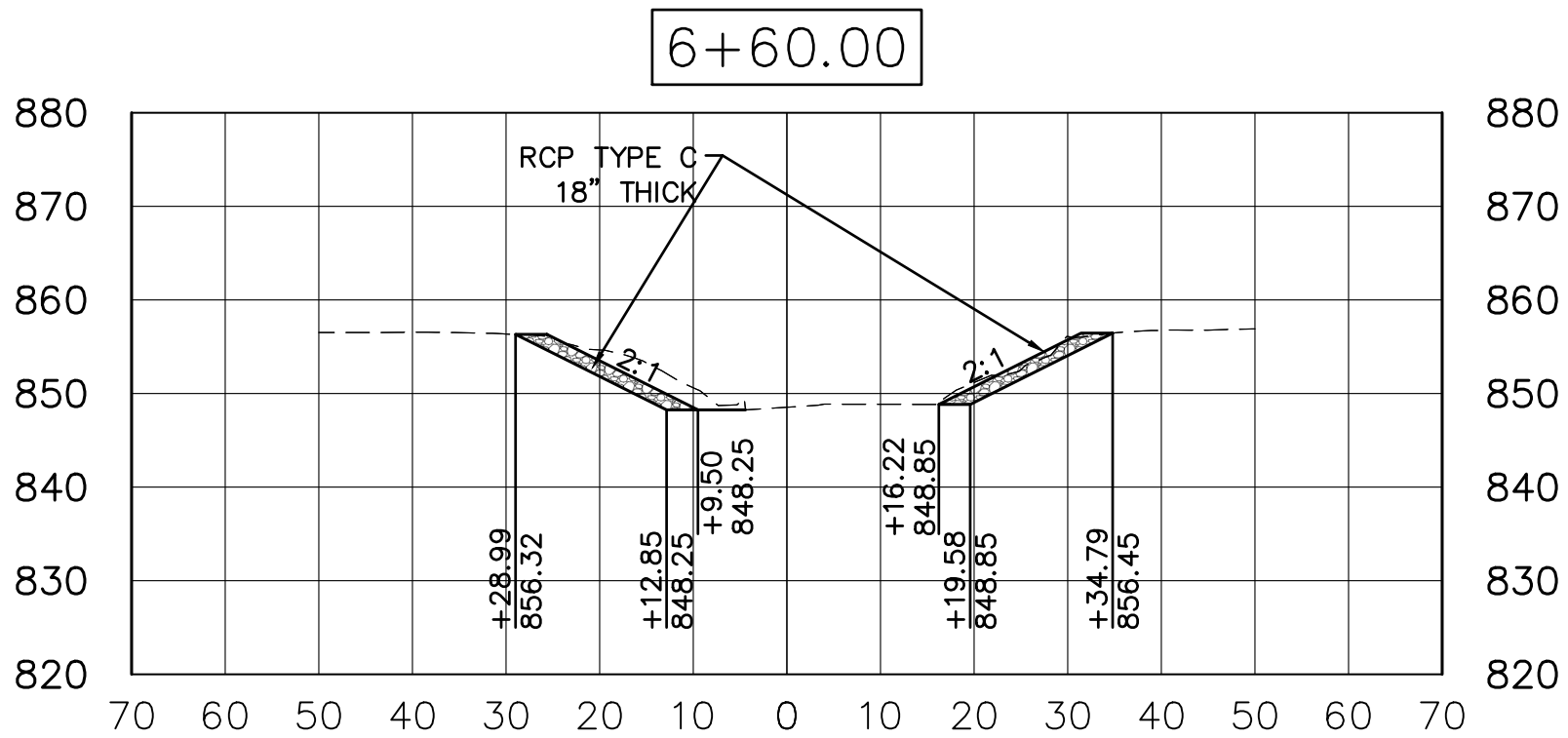
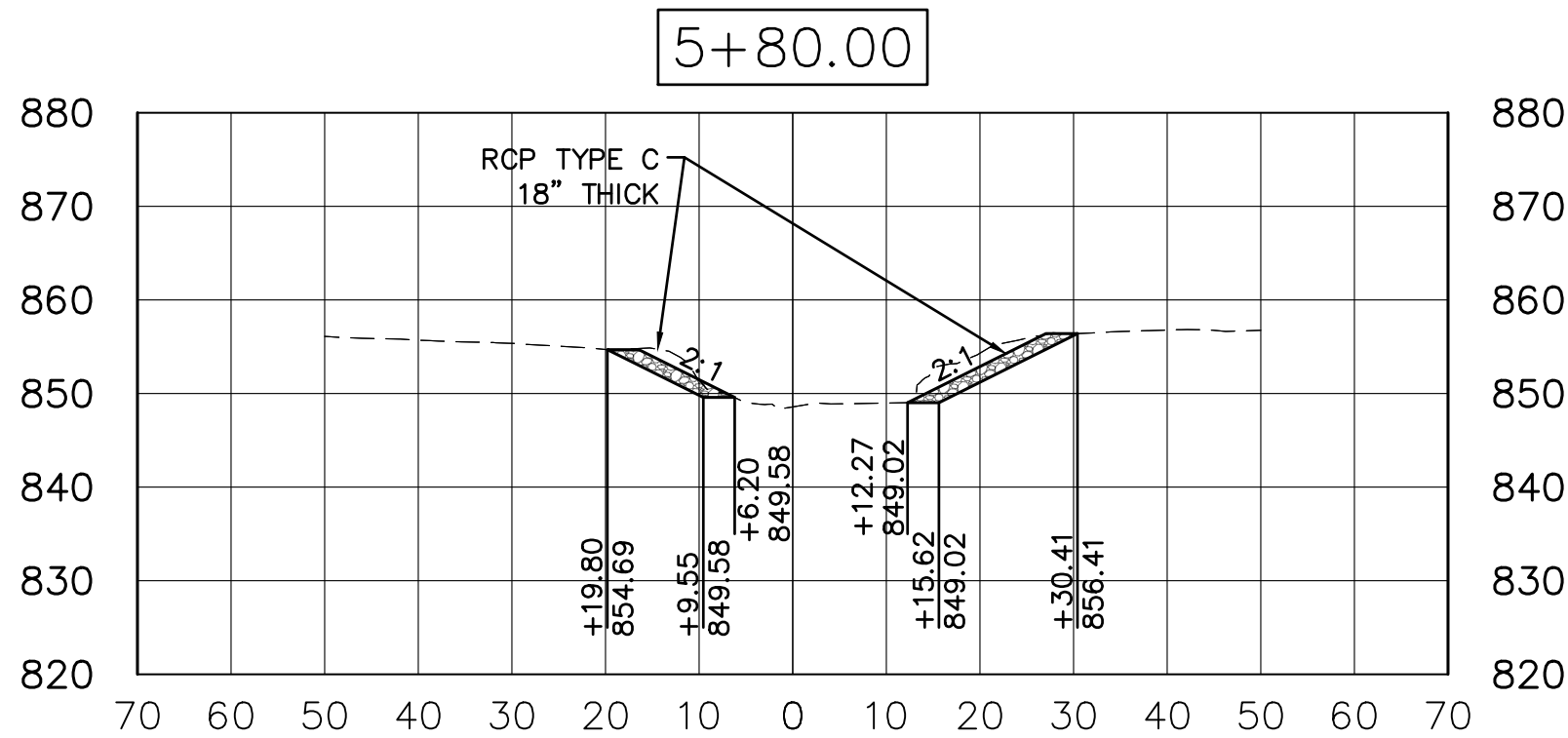
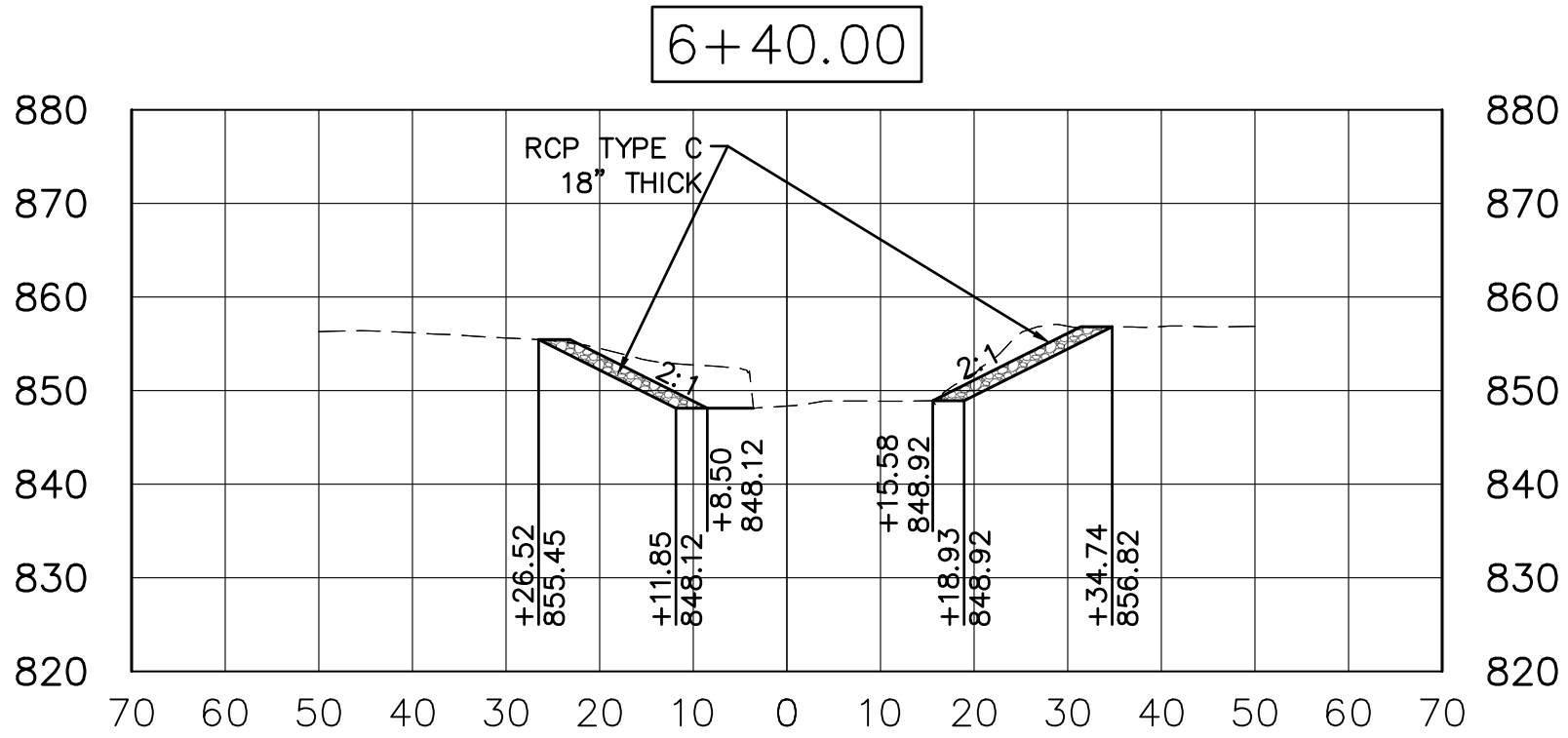
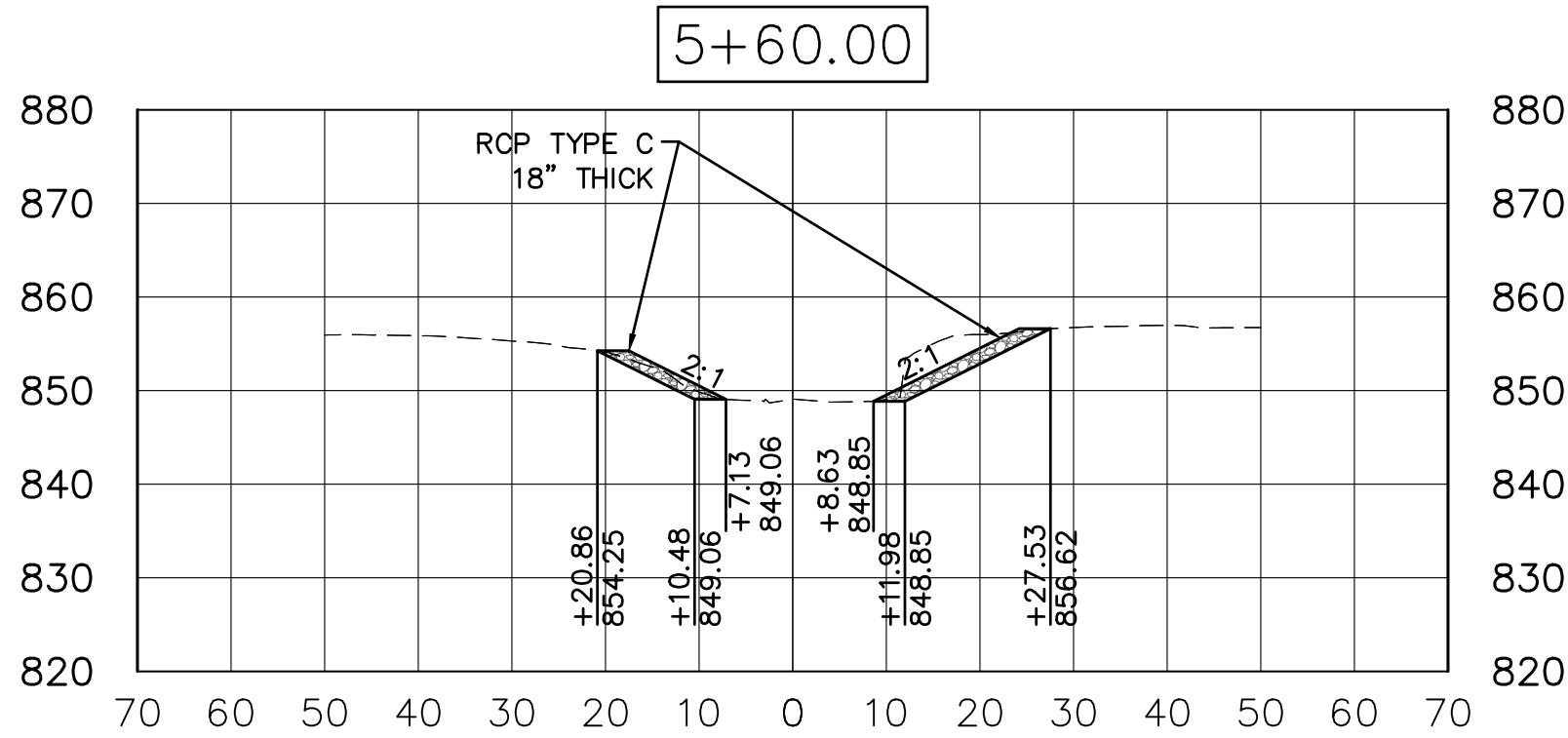
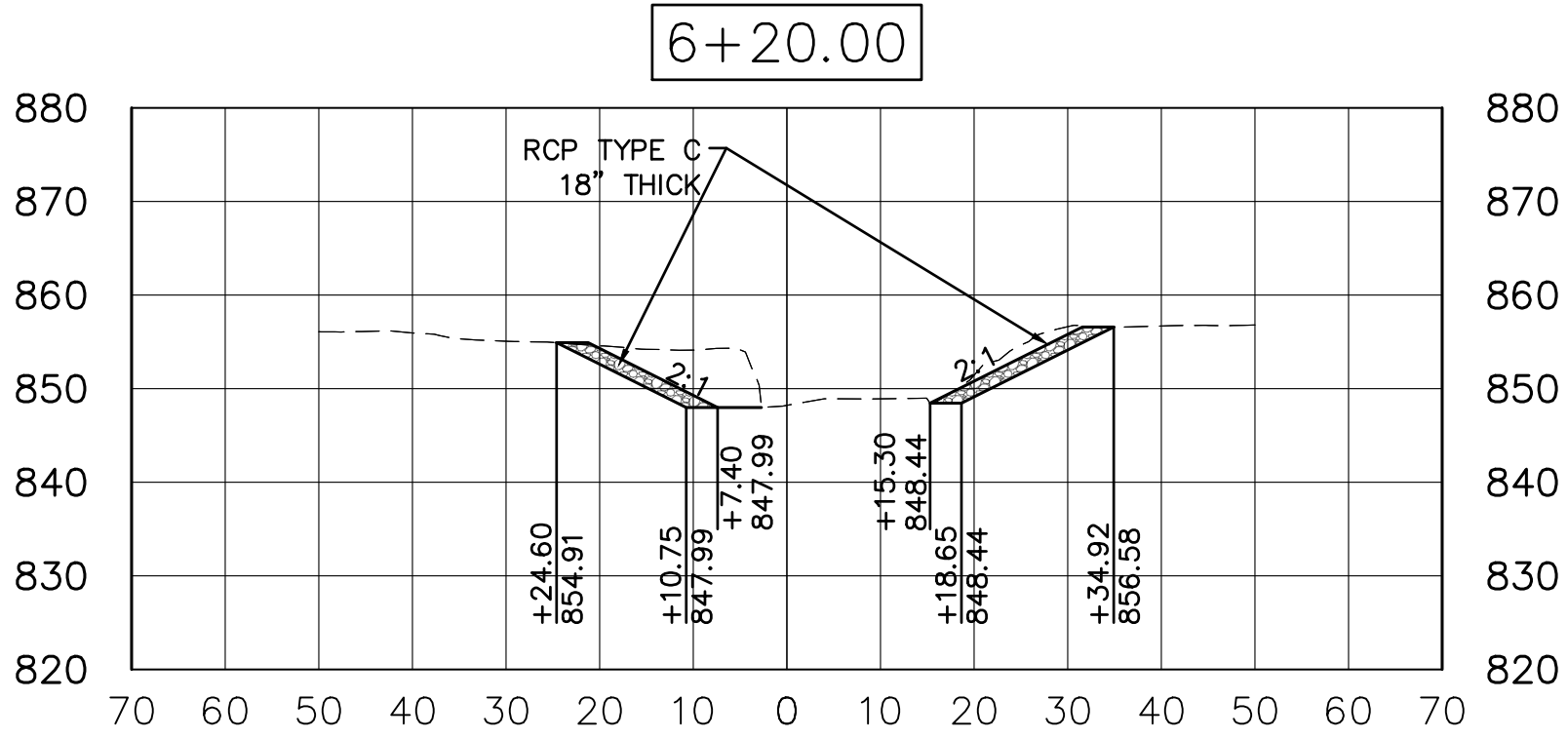
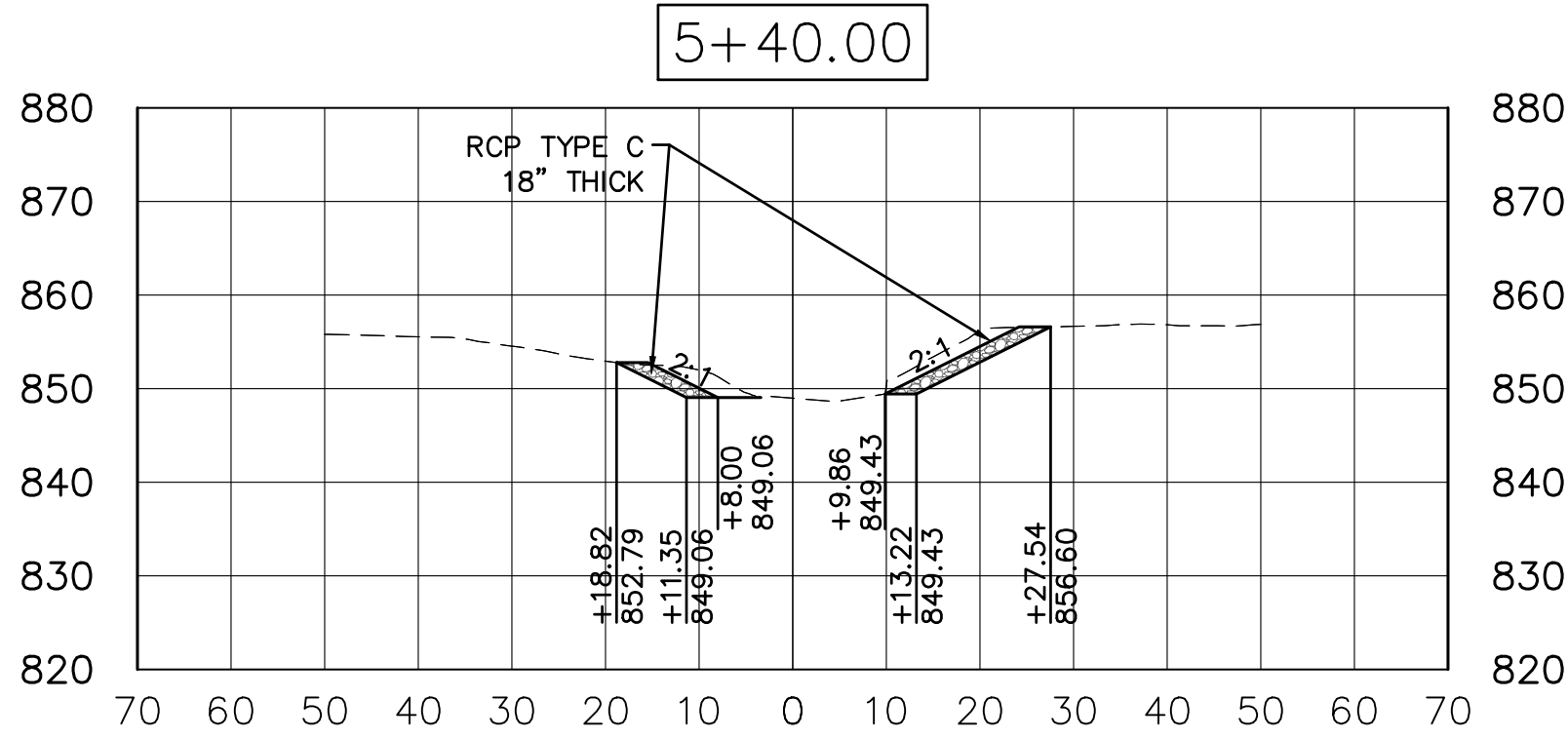
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OHIO UNIVERSITY
FETTERS RUN IMPROVEMENTS
STREAM BANK STABILIZATION

AREA 1 SECTIONS

04/13



Drawing Issue & Revision Status			
Mark	Date	Issued By	Description

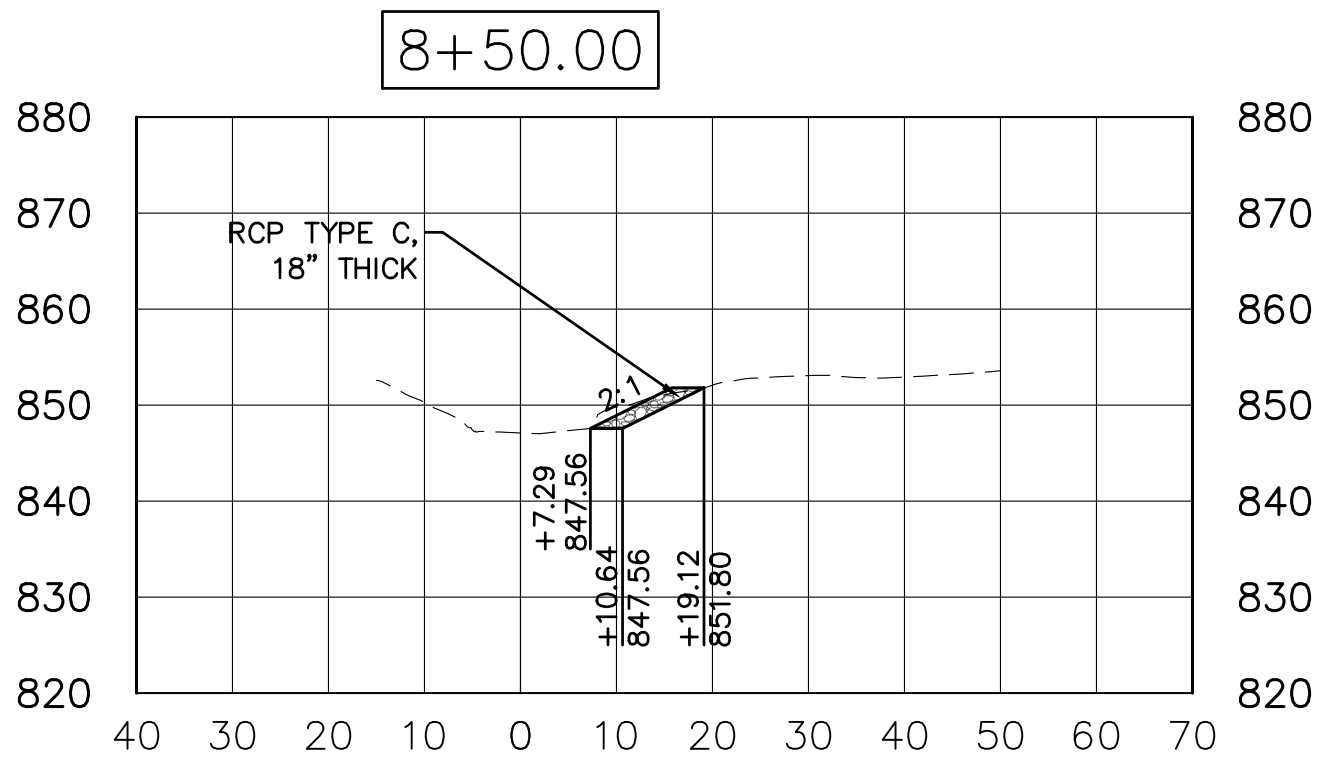
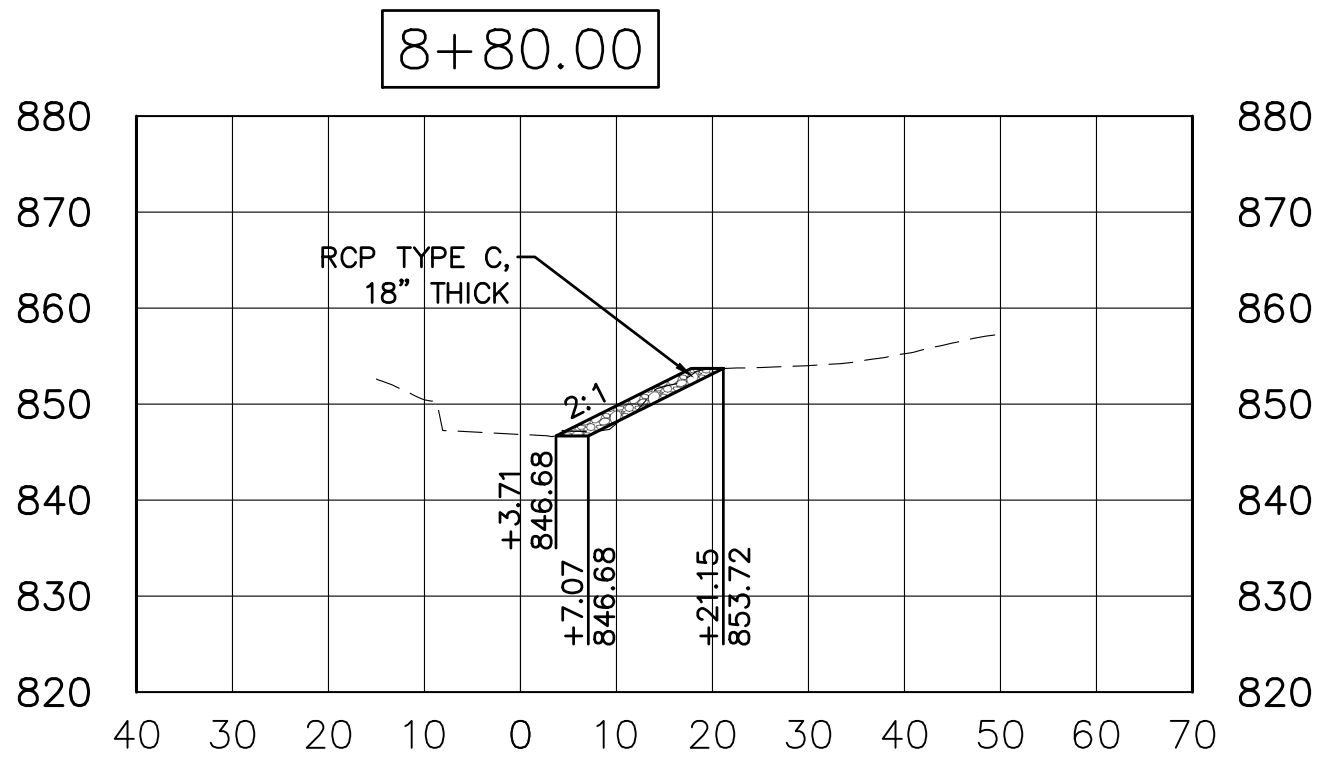
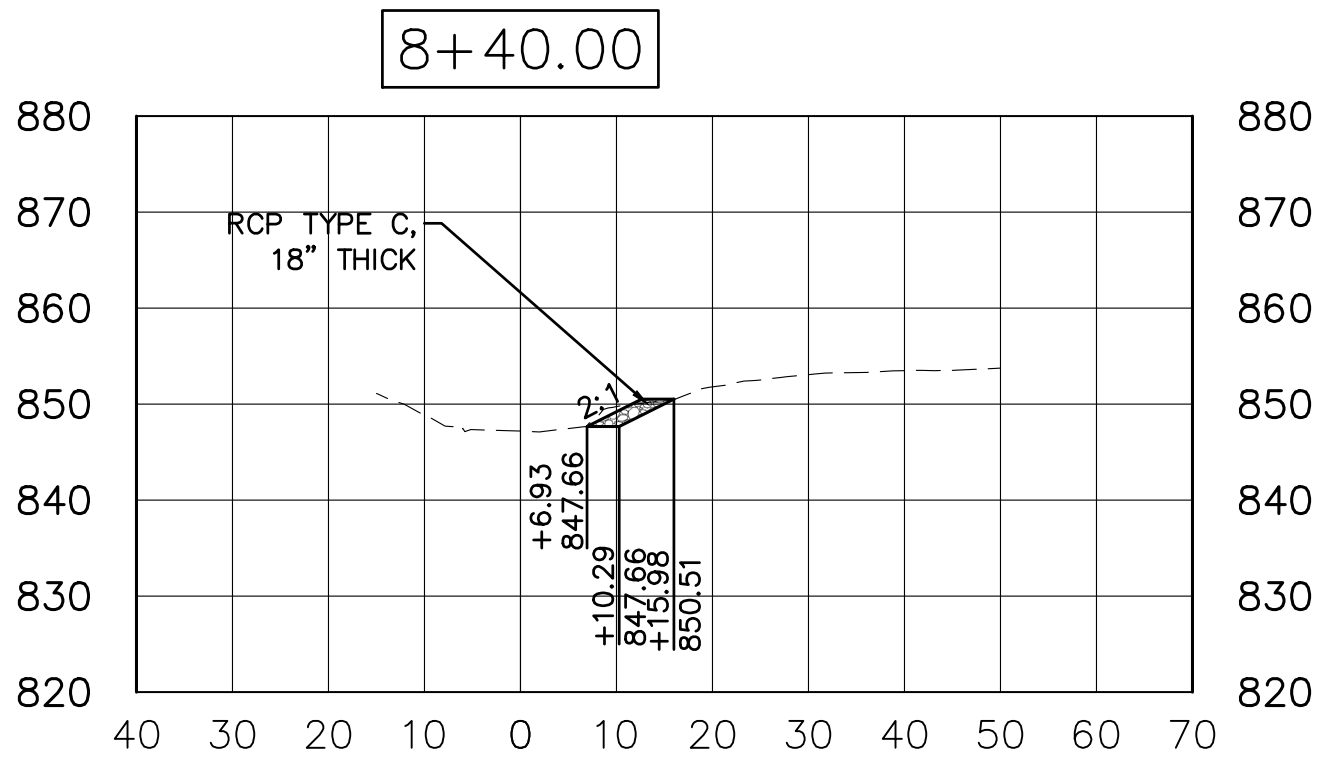
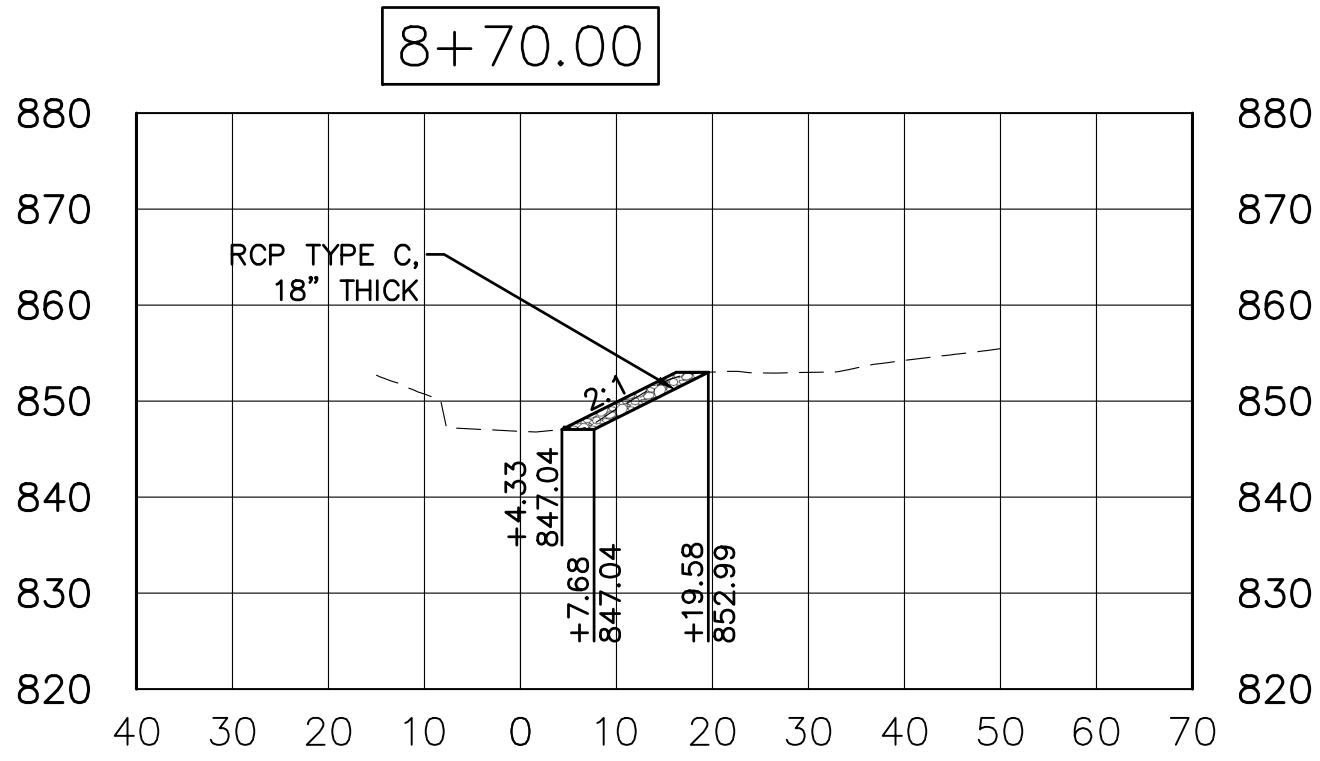
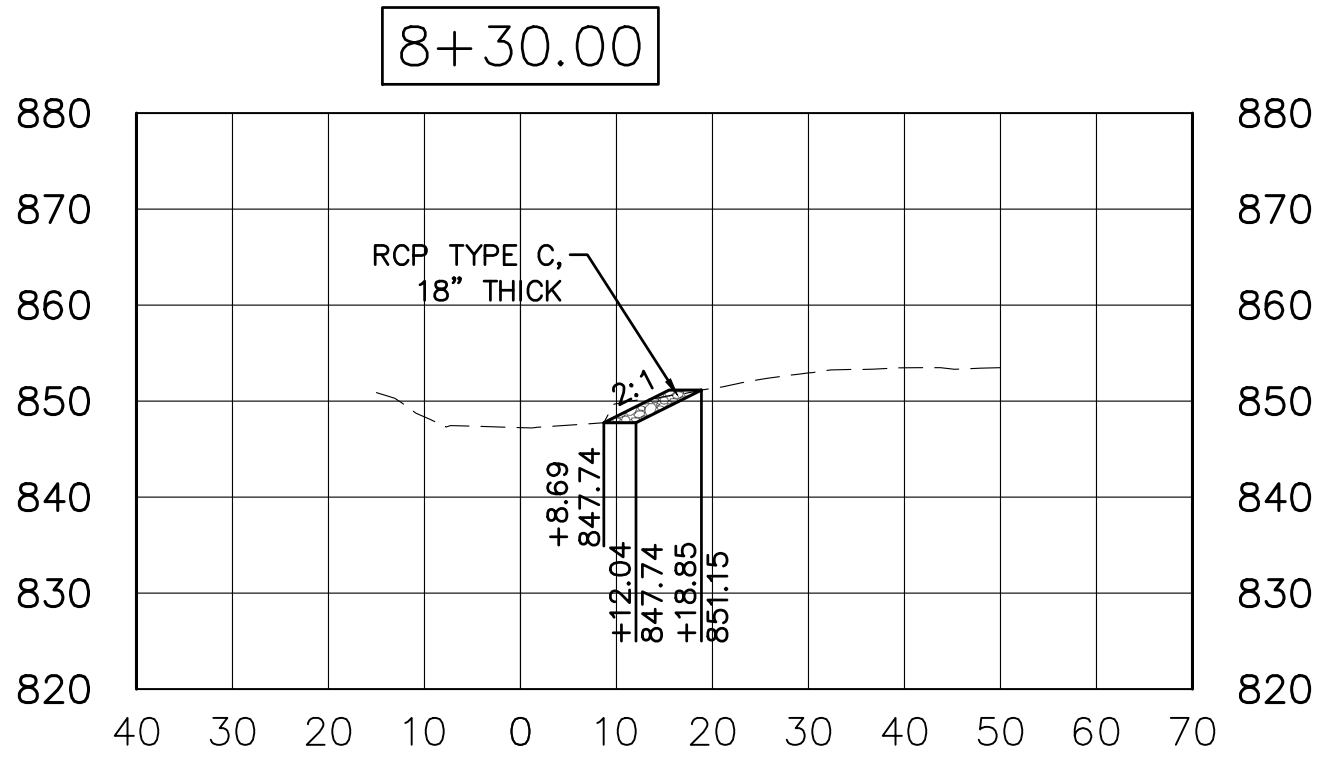
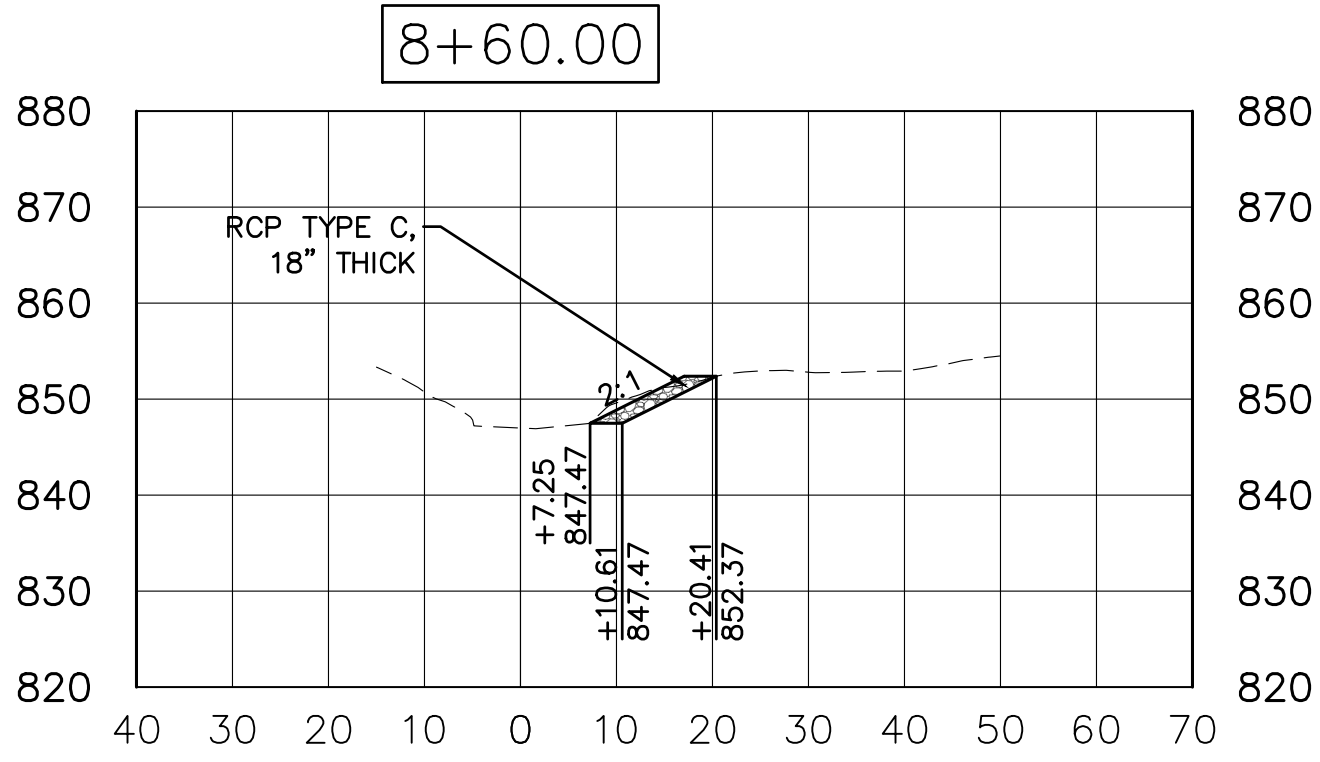
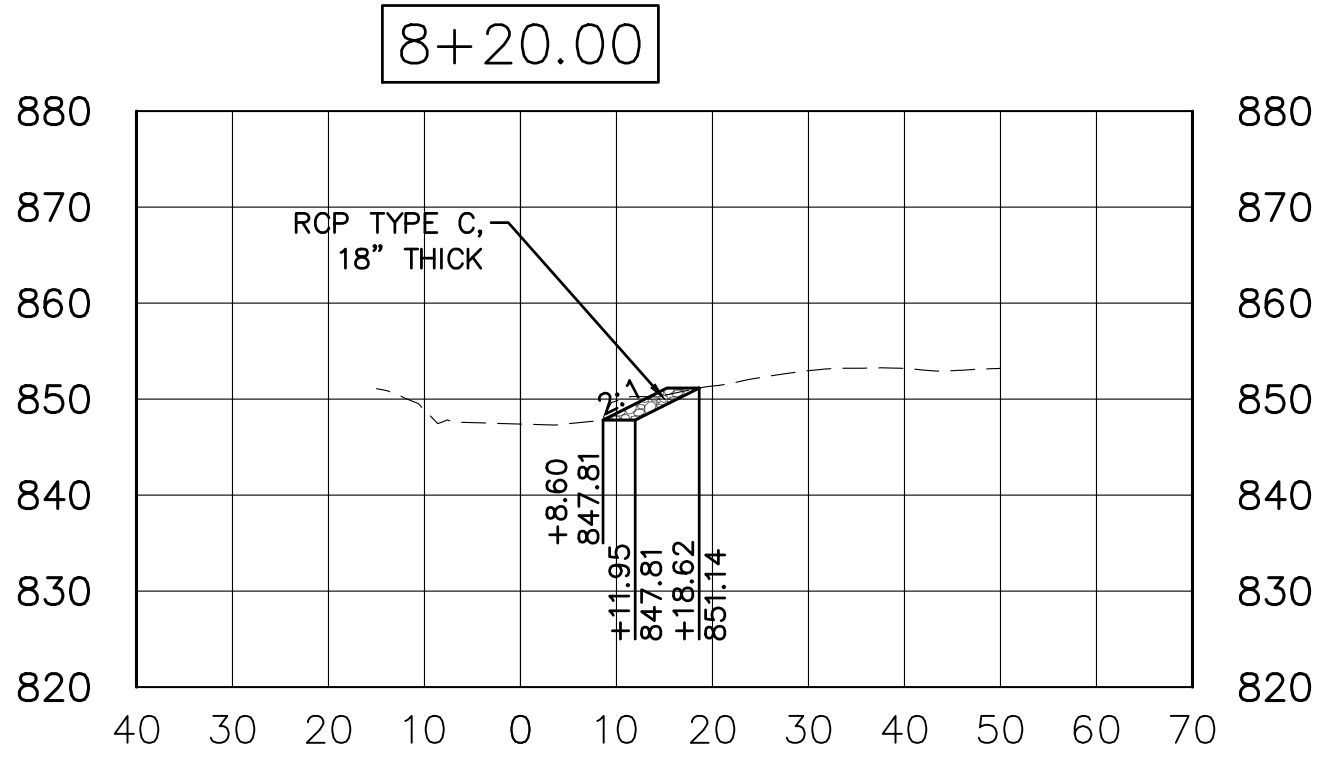
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OHIO UNIVERSITY
FETTERS RUN IMPROVEMENTS
STREAM BANK STABILIZATION

AREA 2 SECTIONS

05/13



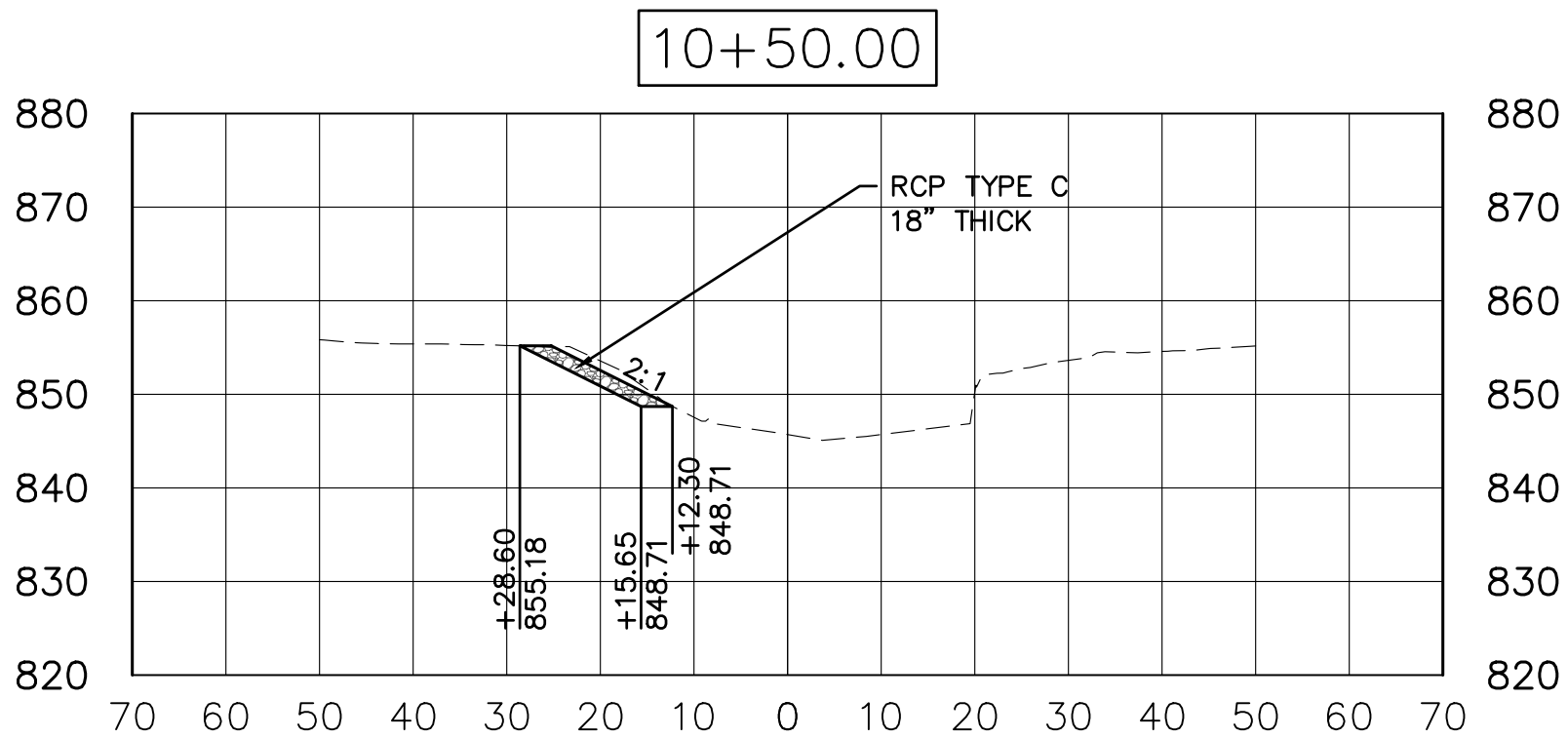
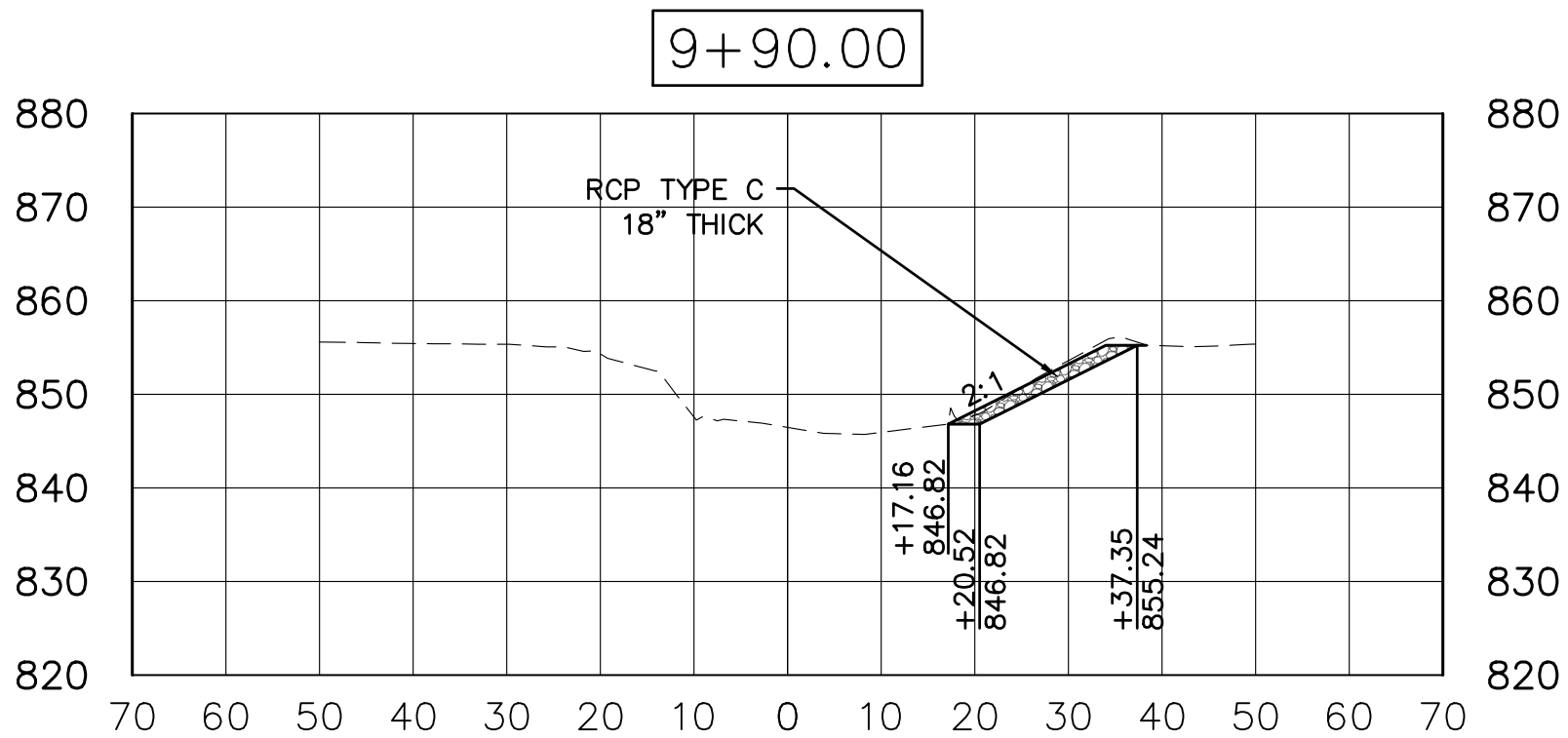
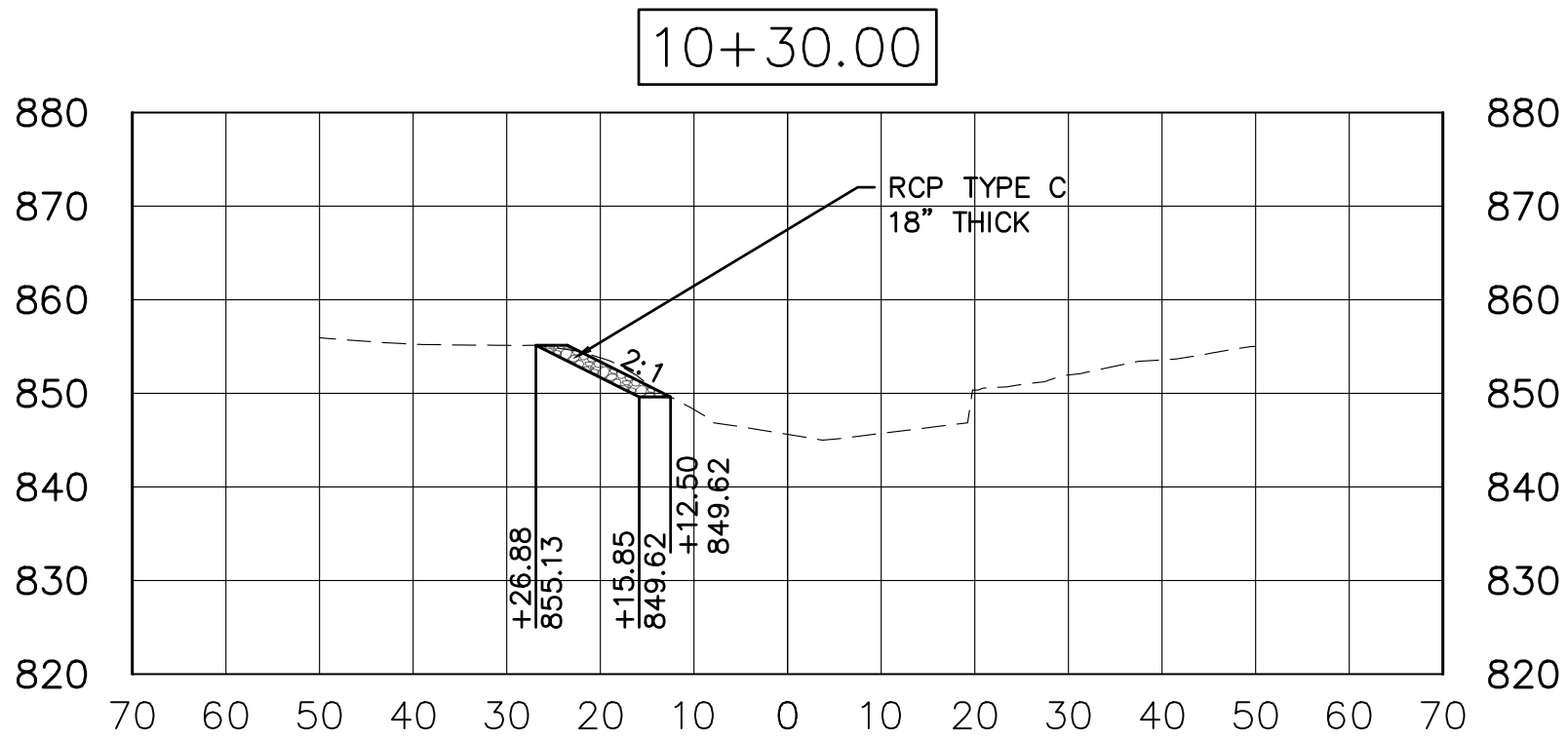
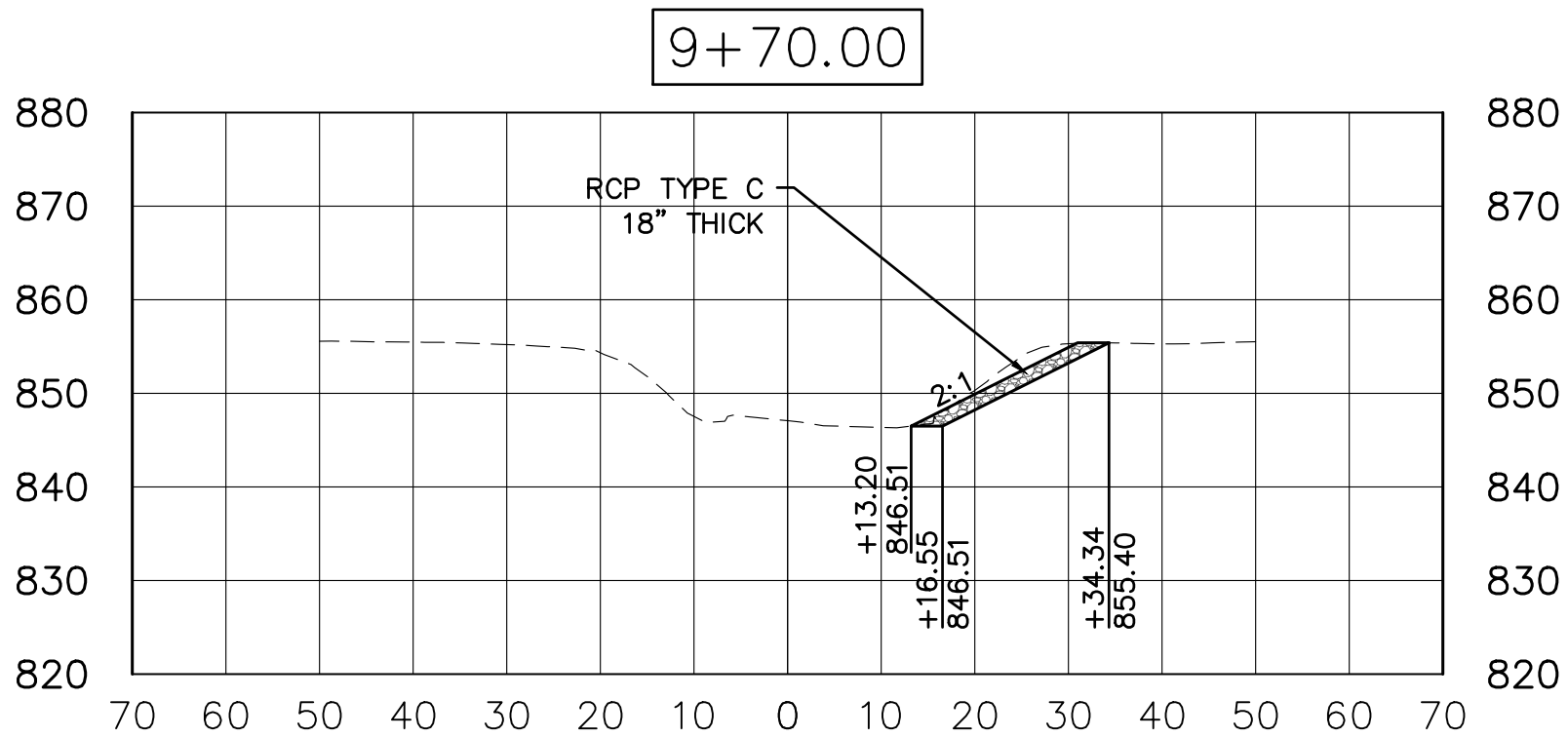
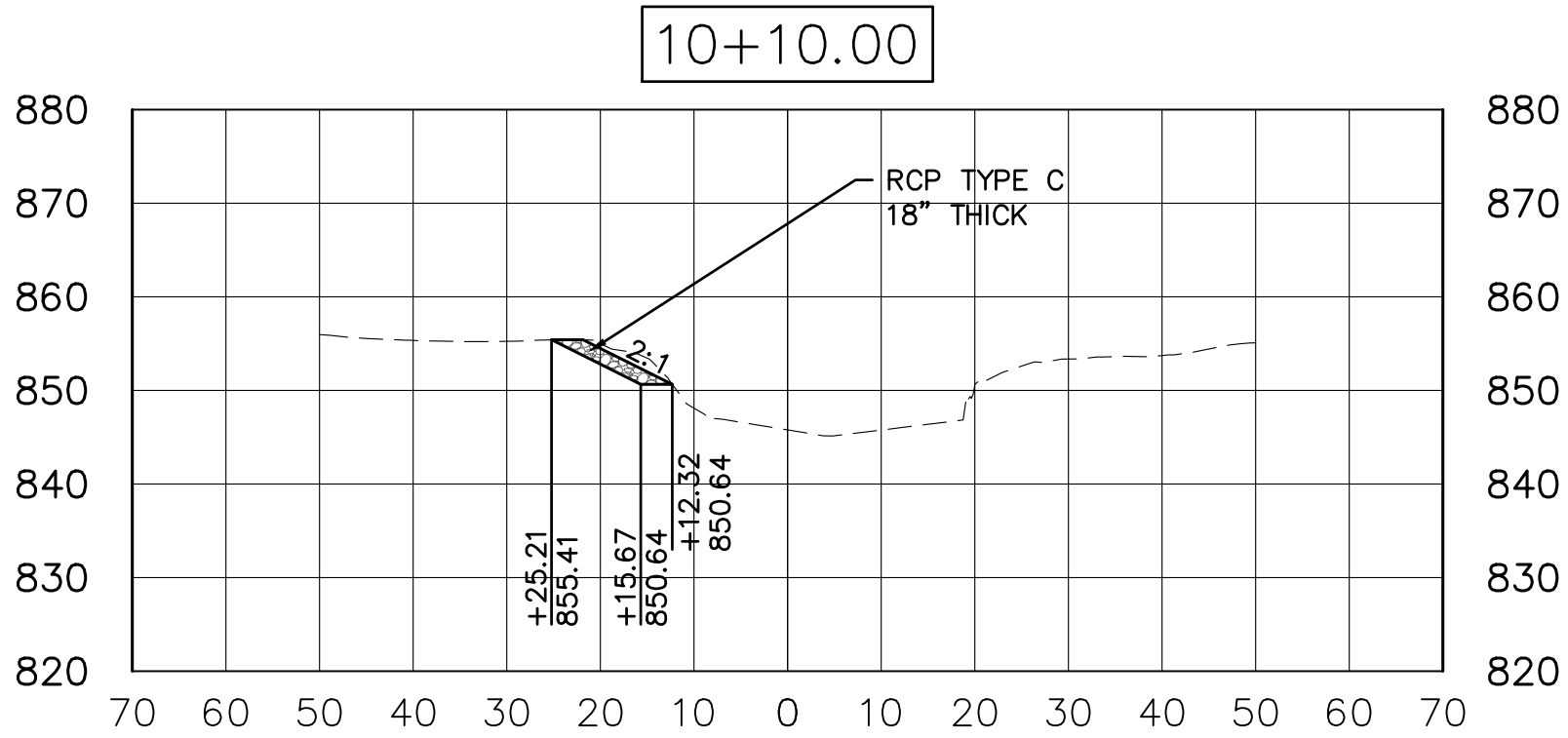
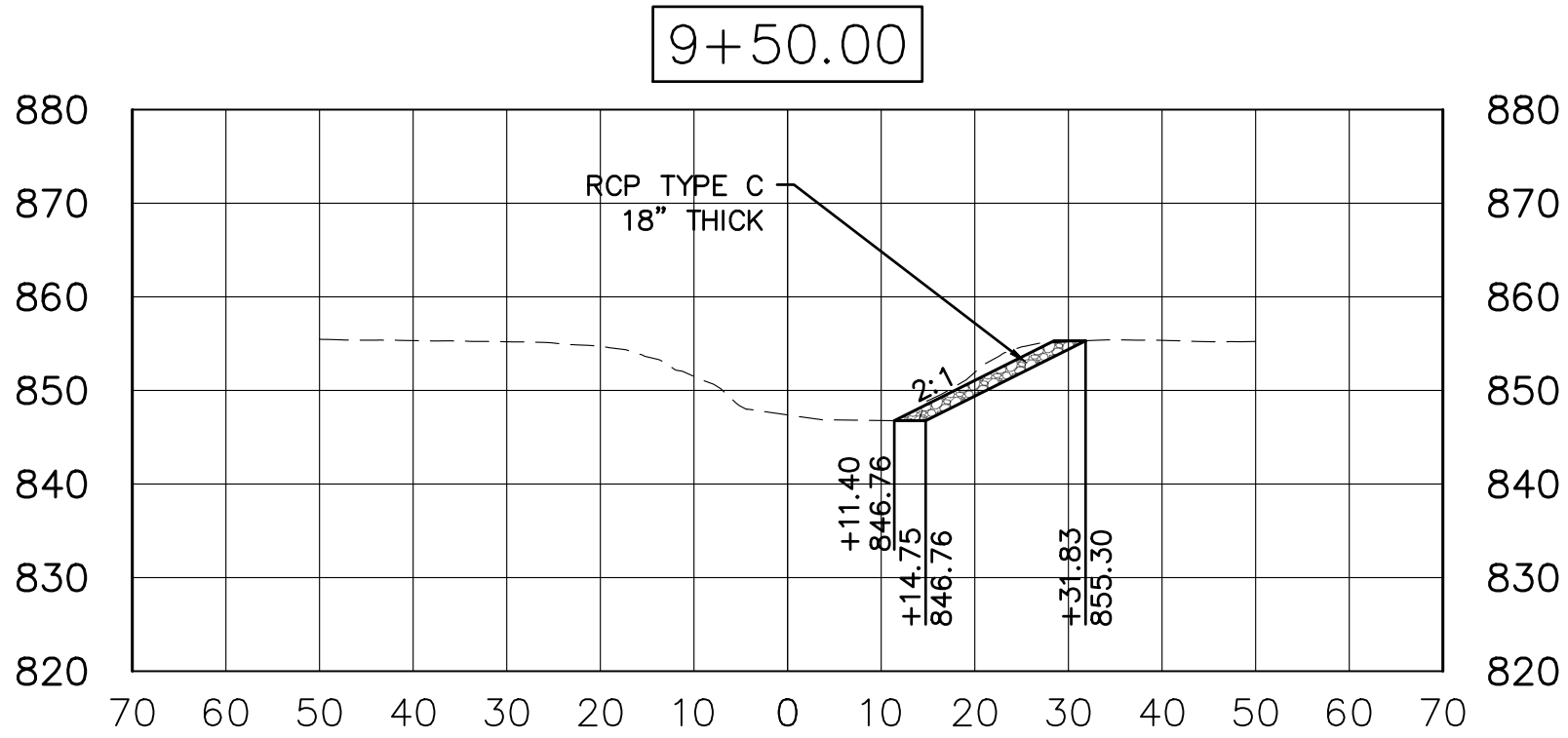
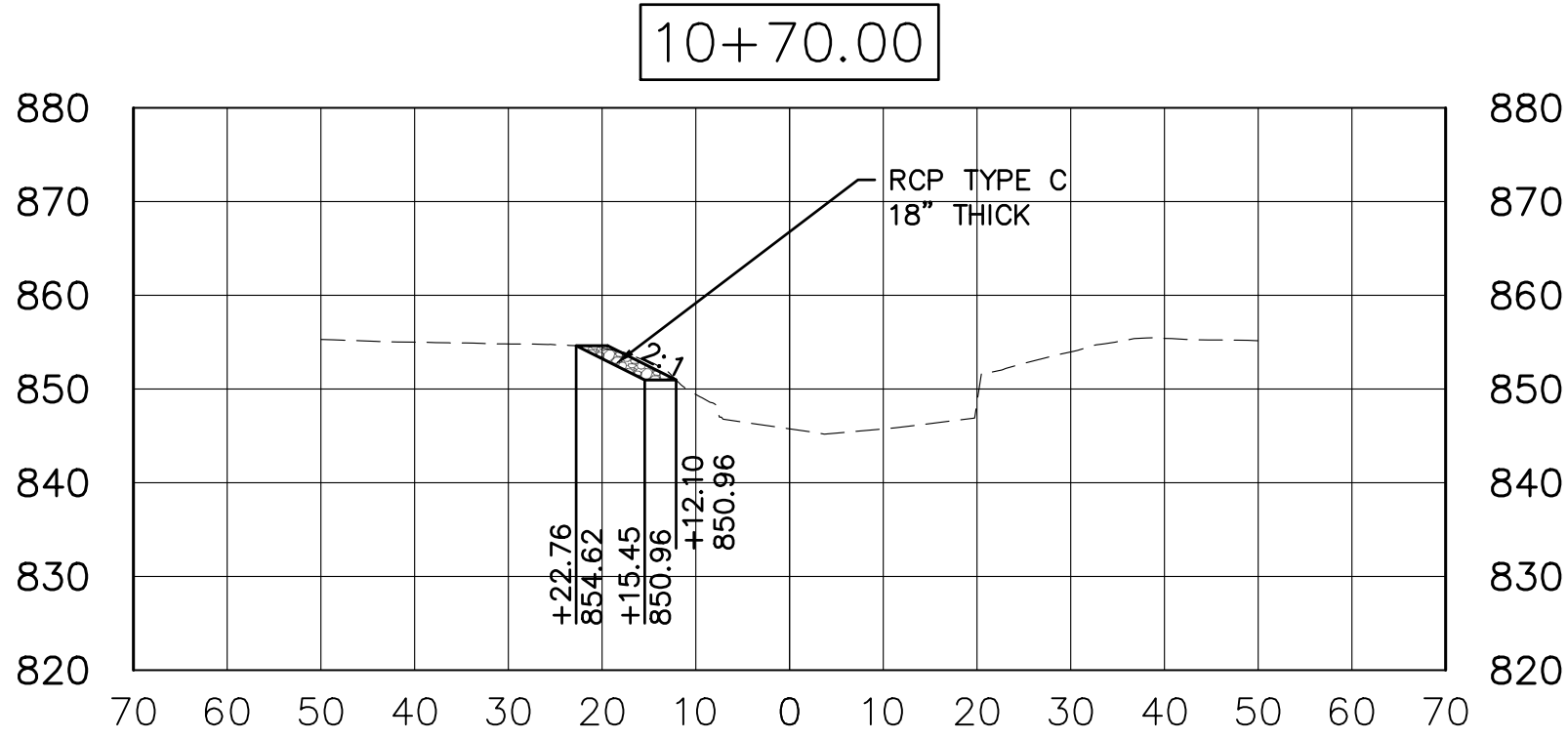
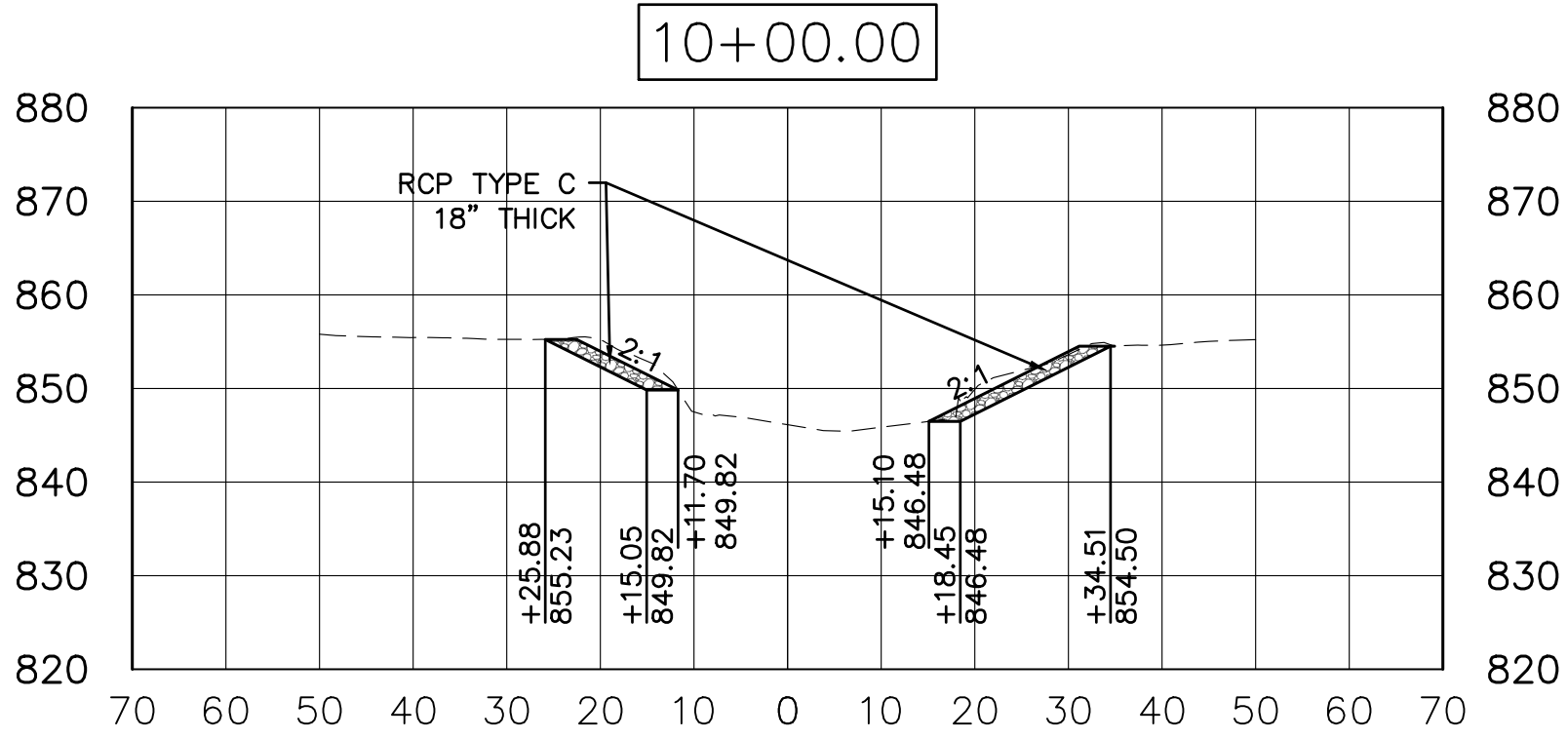
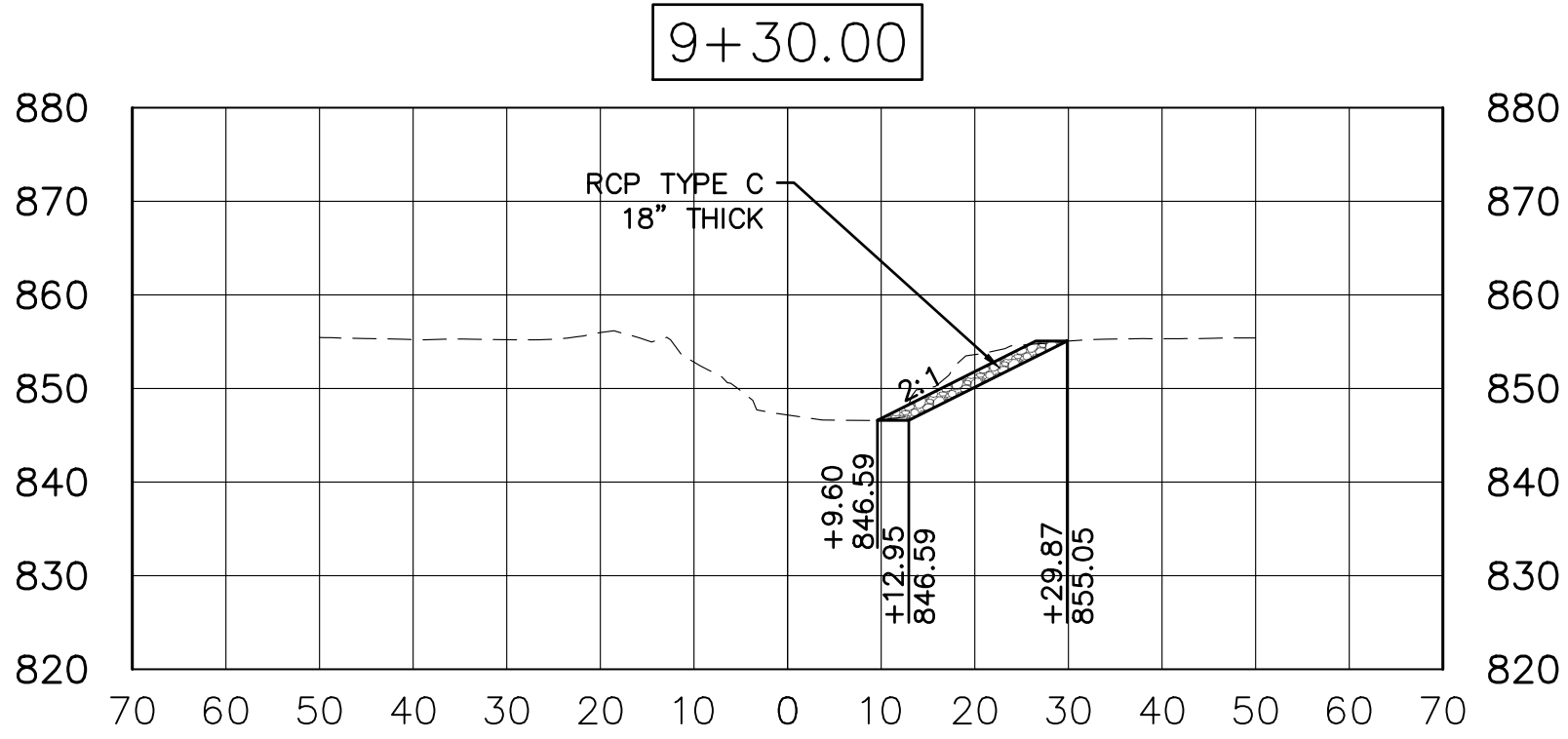
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FETTERS RUN IMPROVEMENTS
STREAM BANK STABILIZATION

AREA 3 SECTIONS



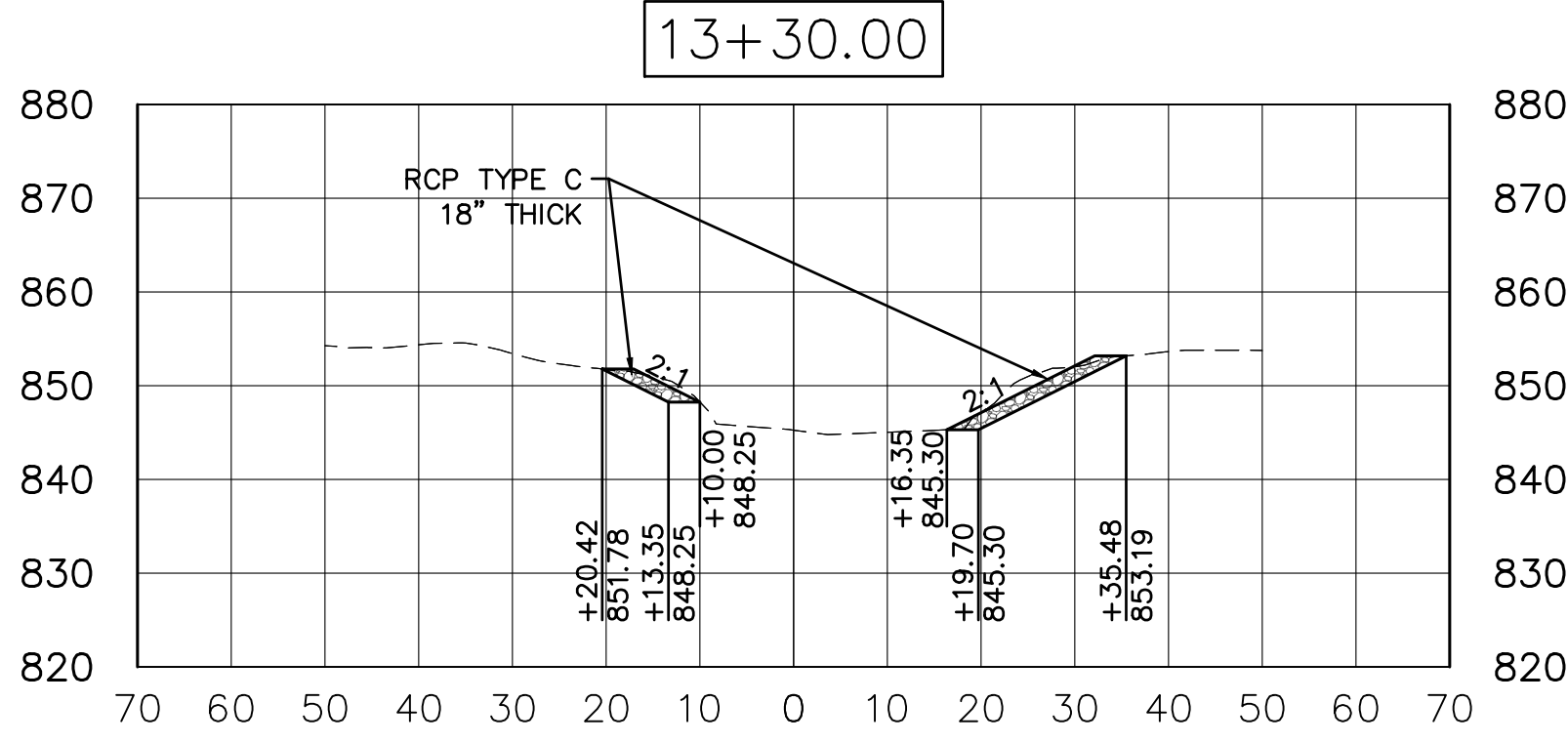
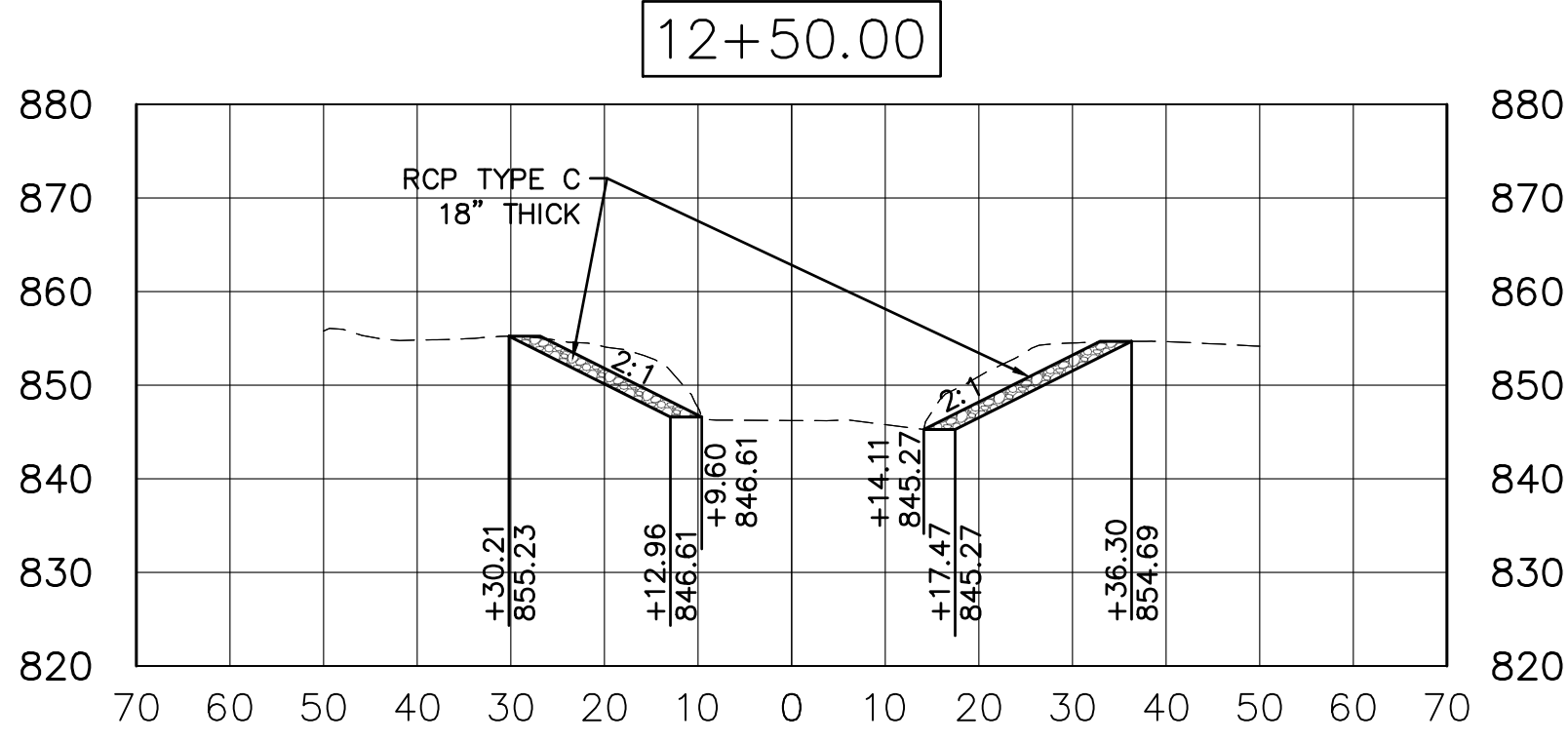
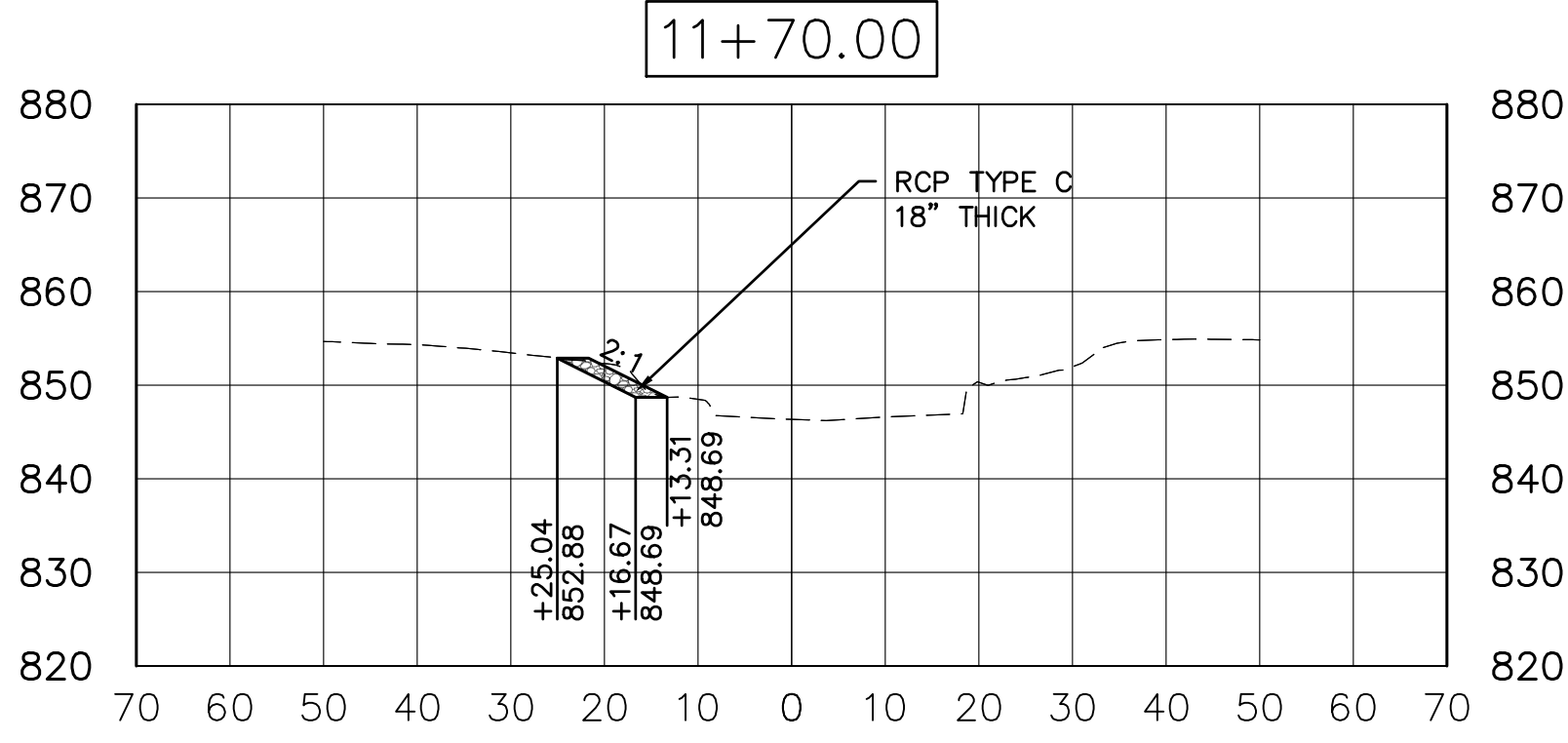
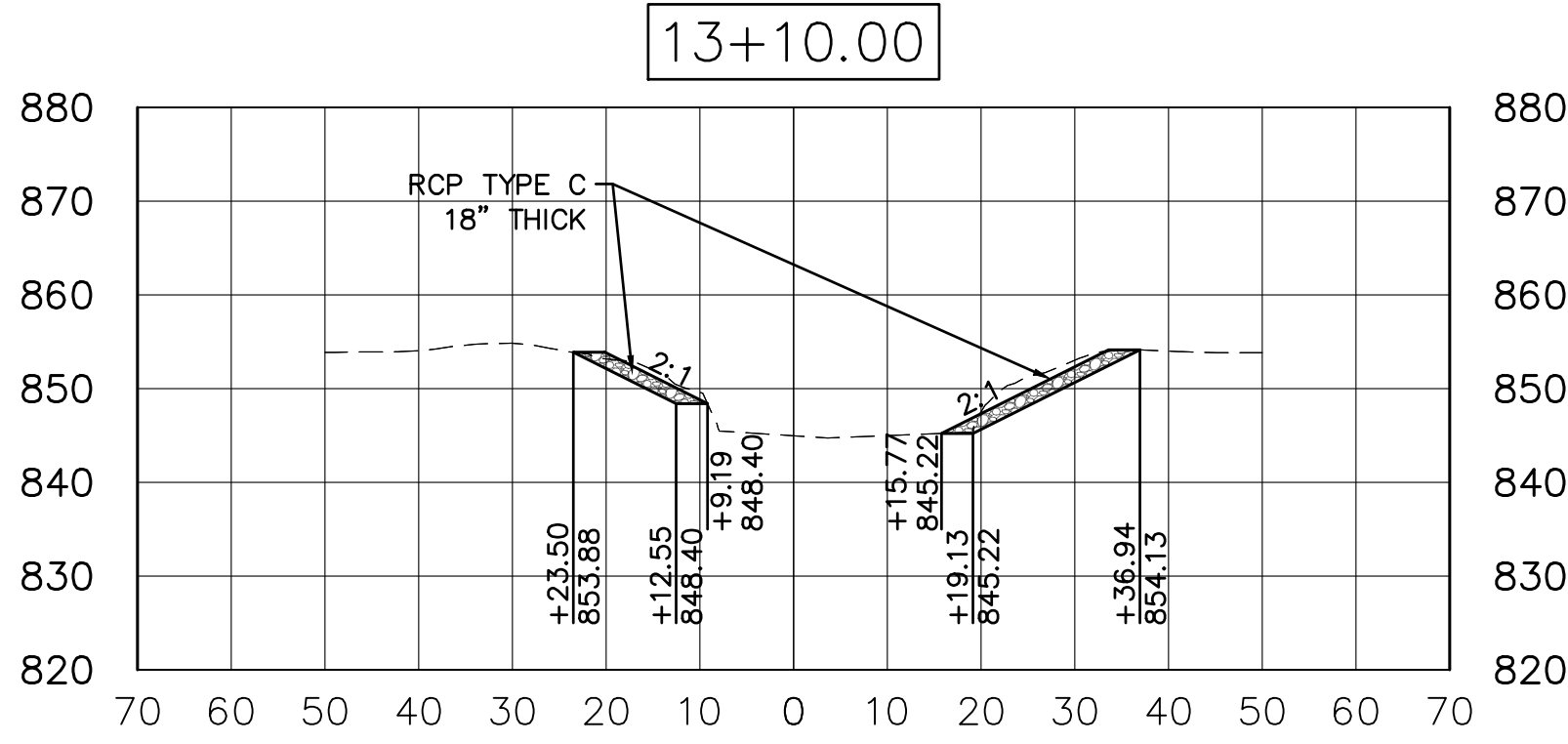
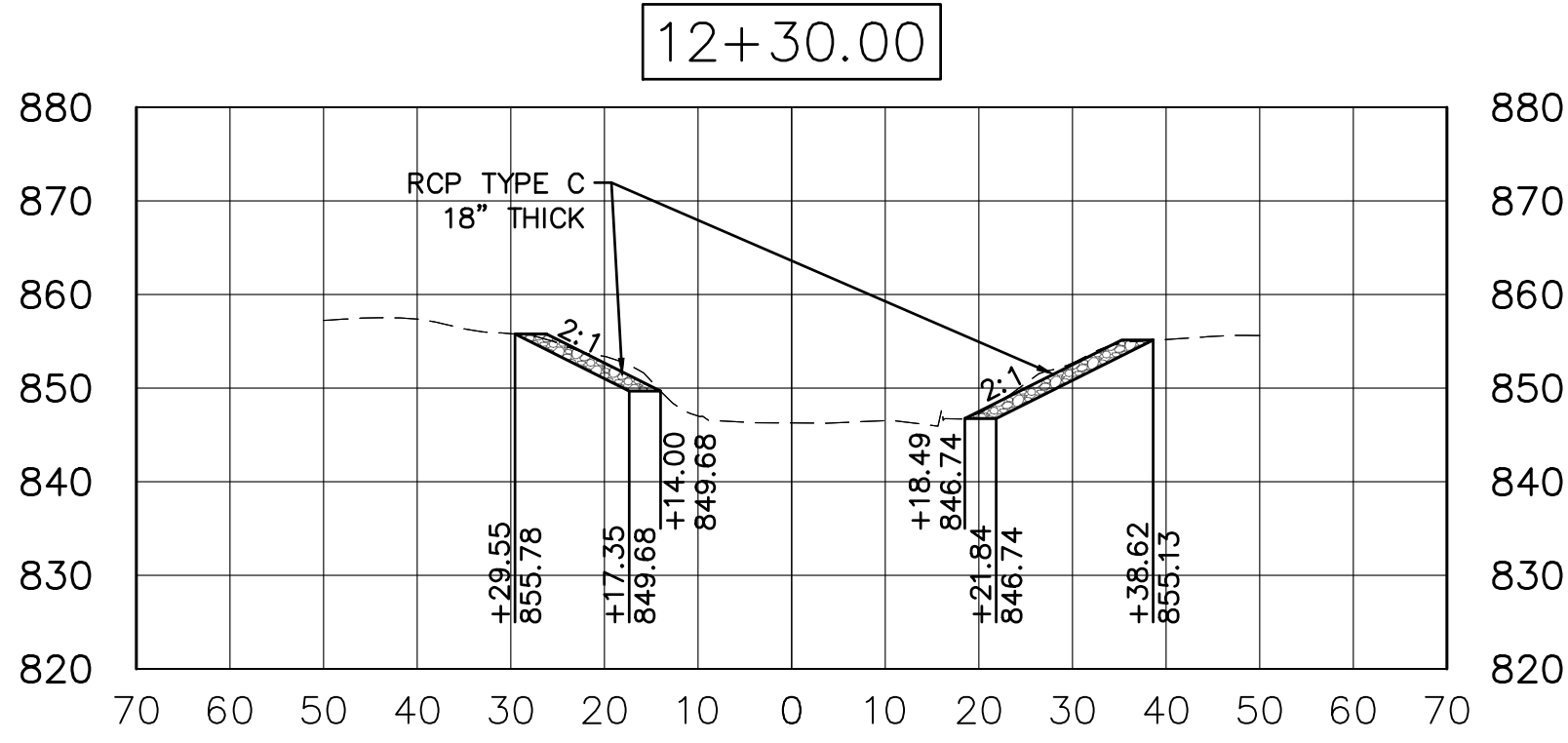
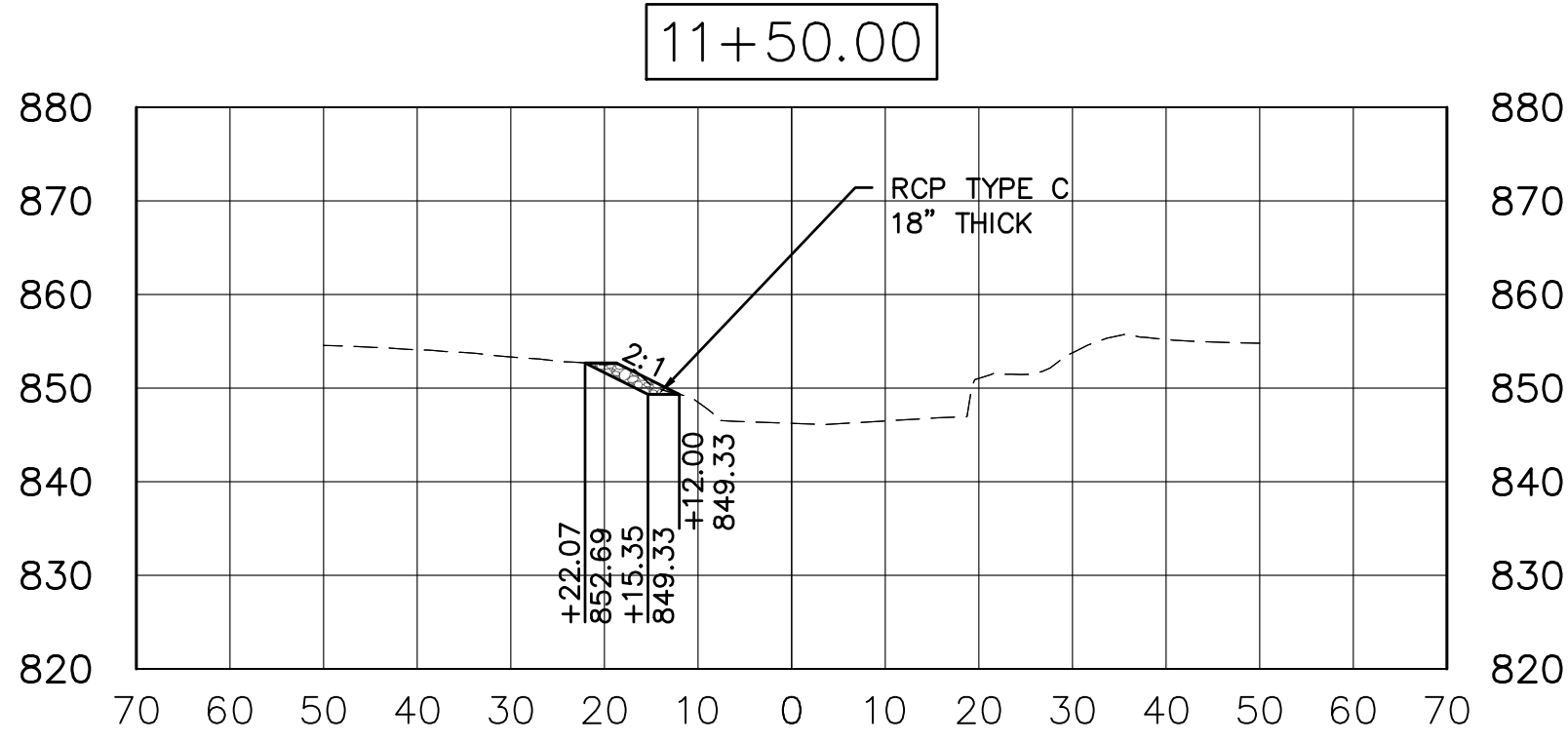
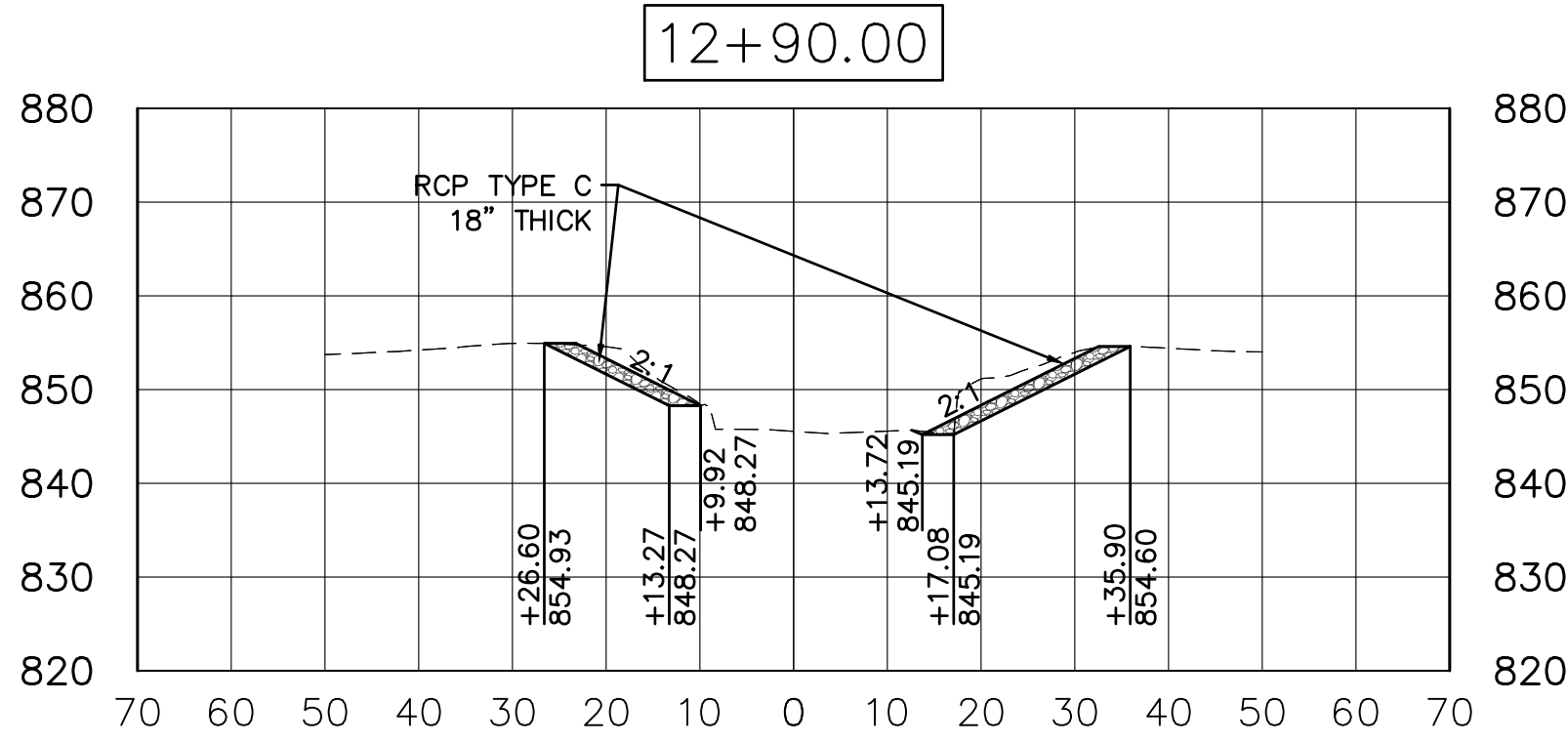
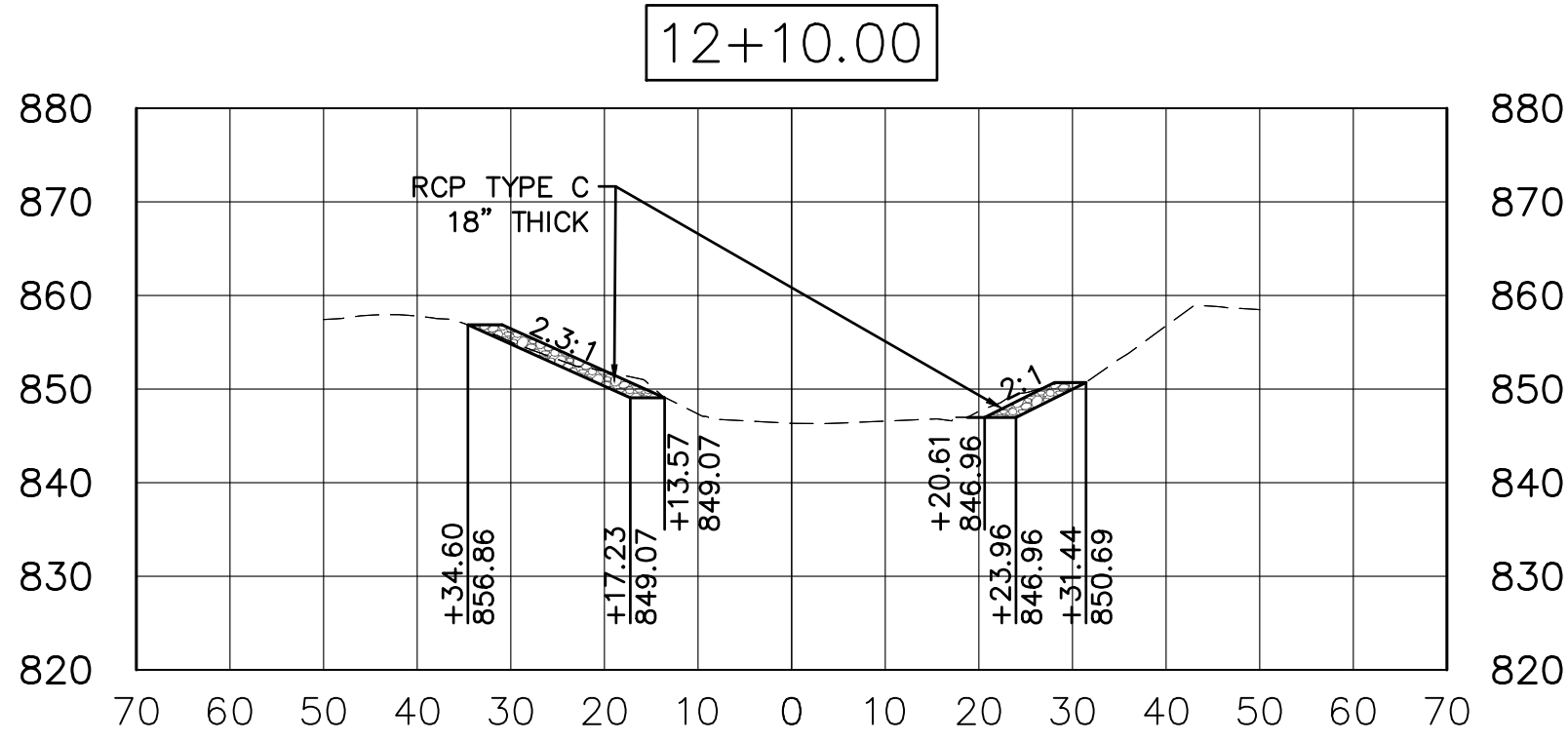
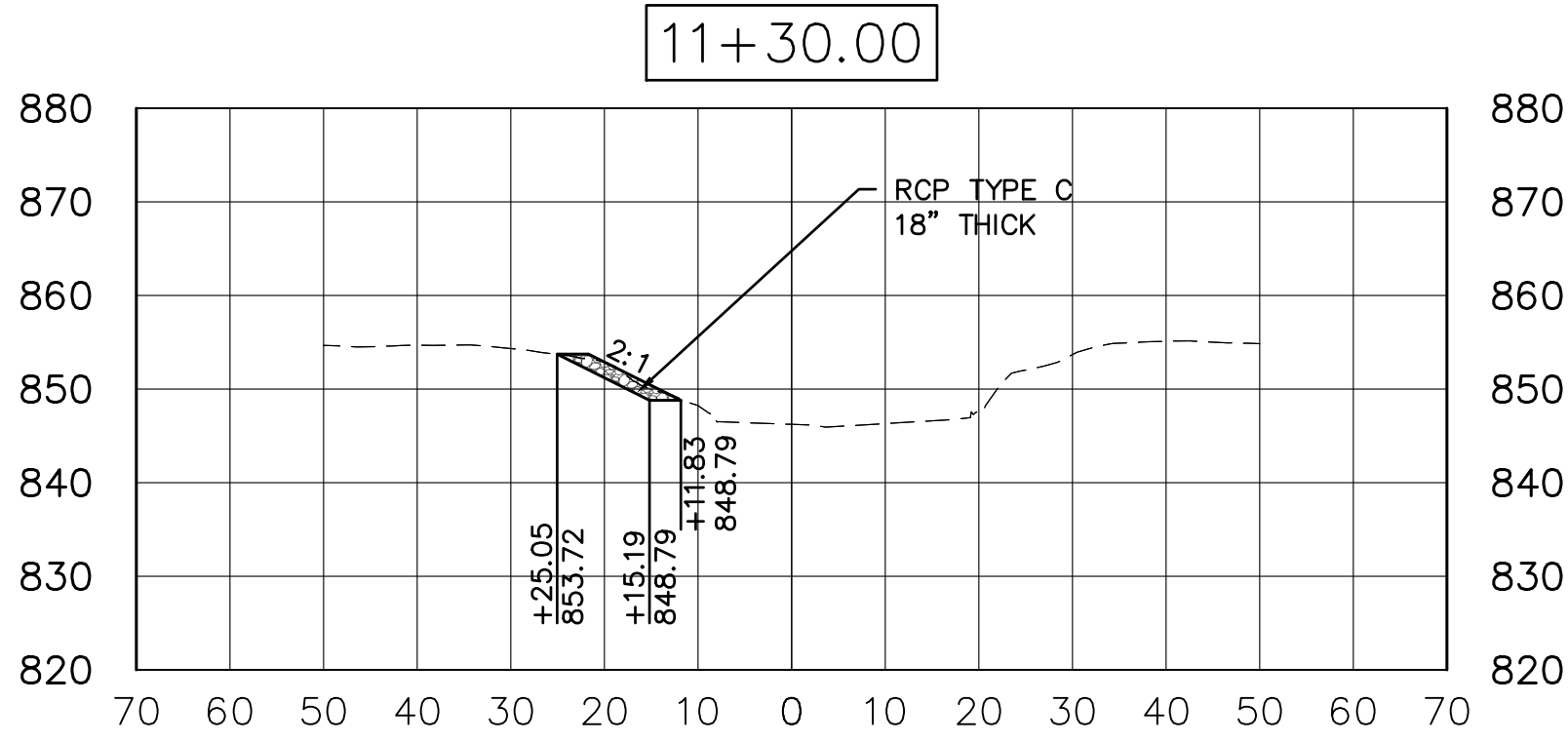
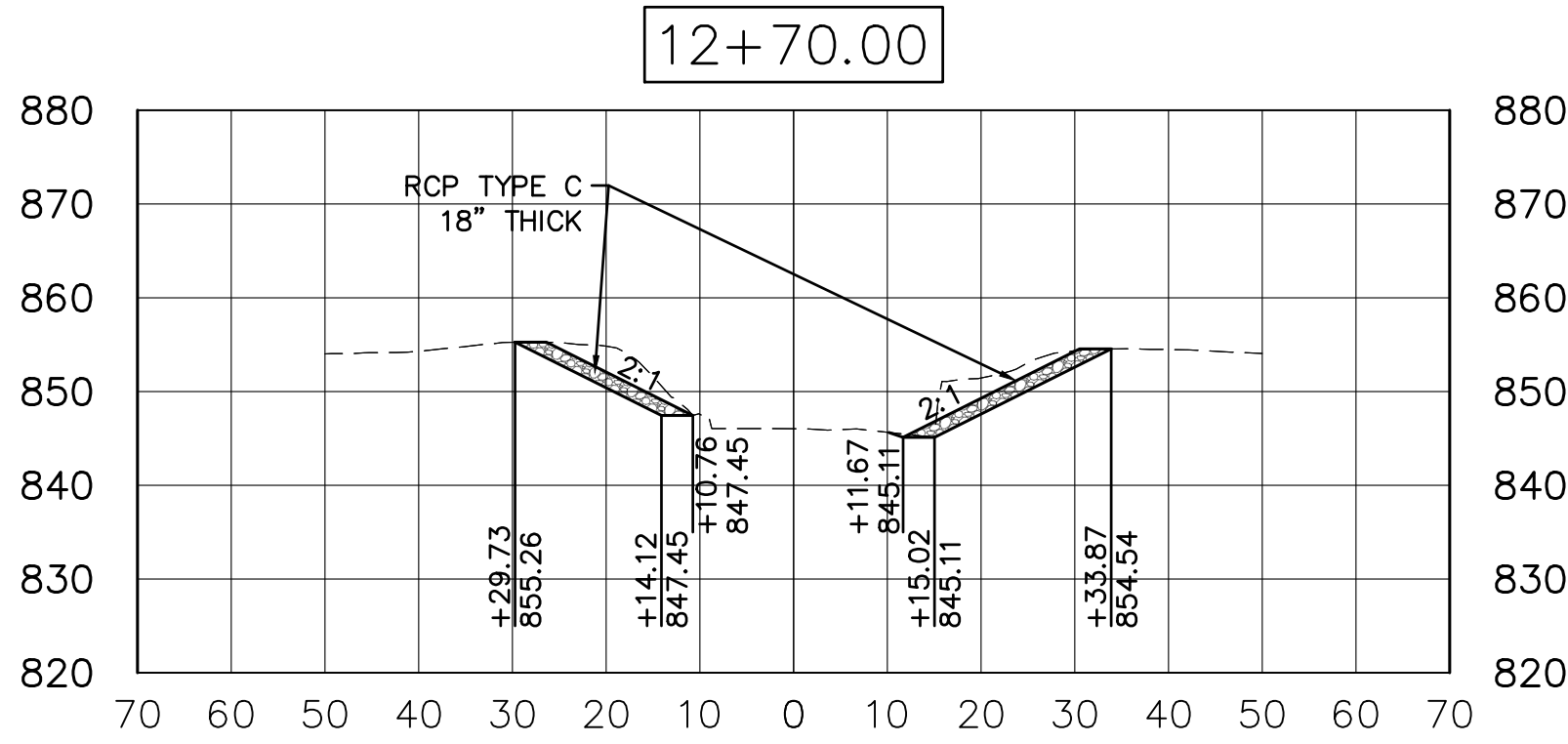
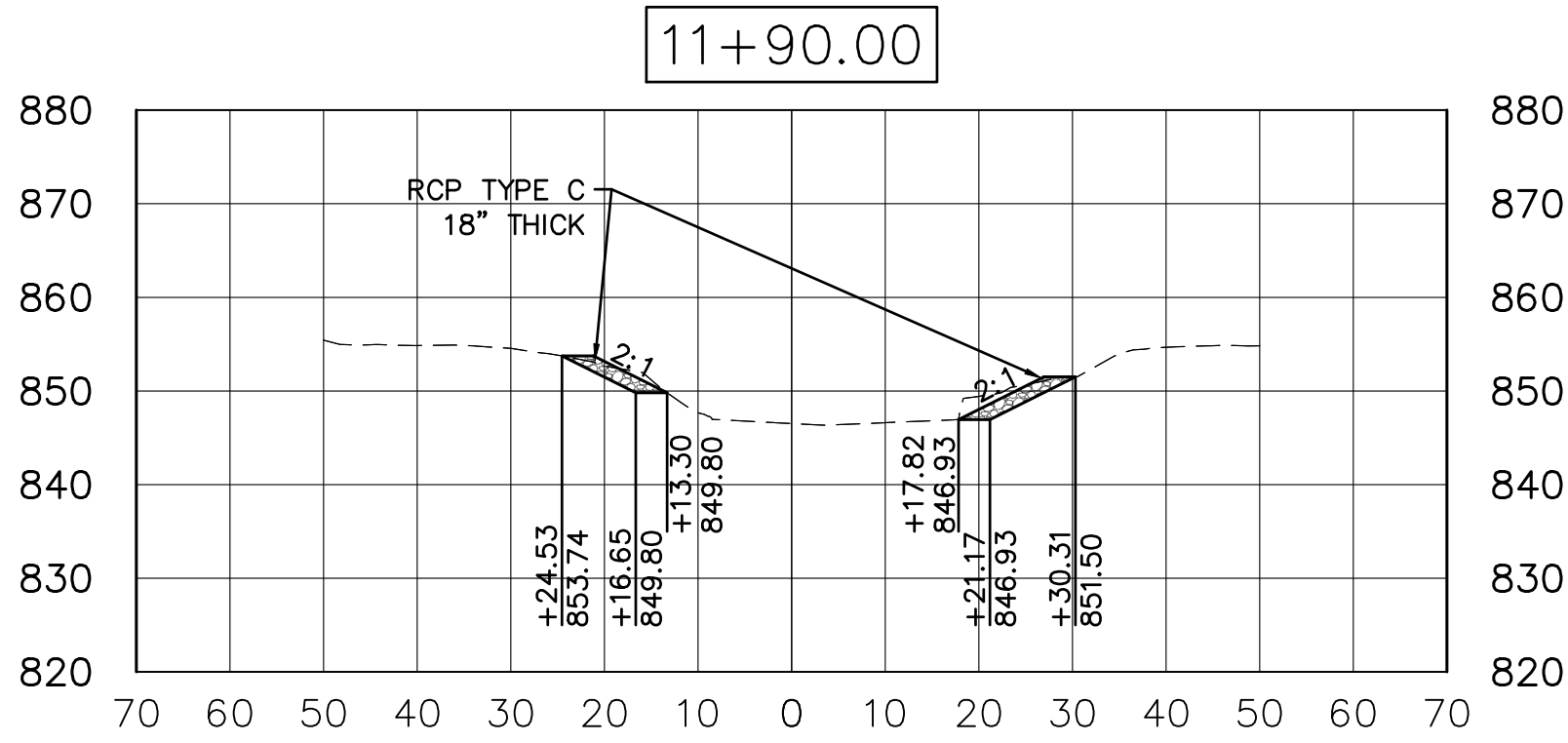
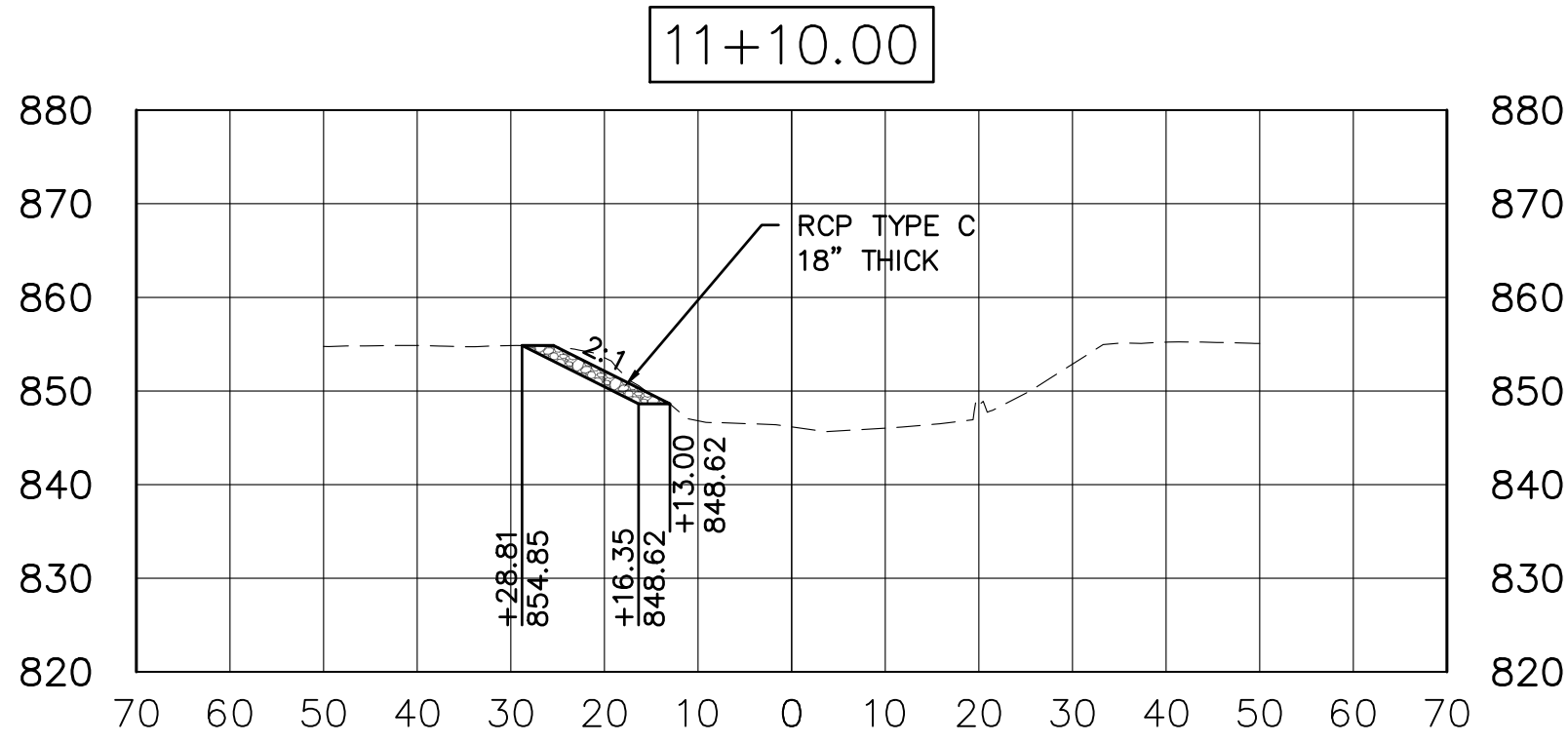
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AREA 4 SECTIONS



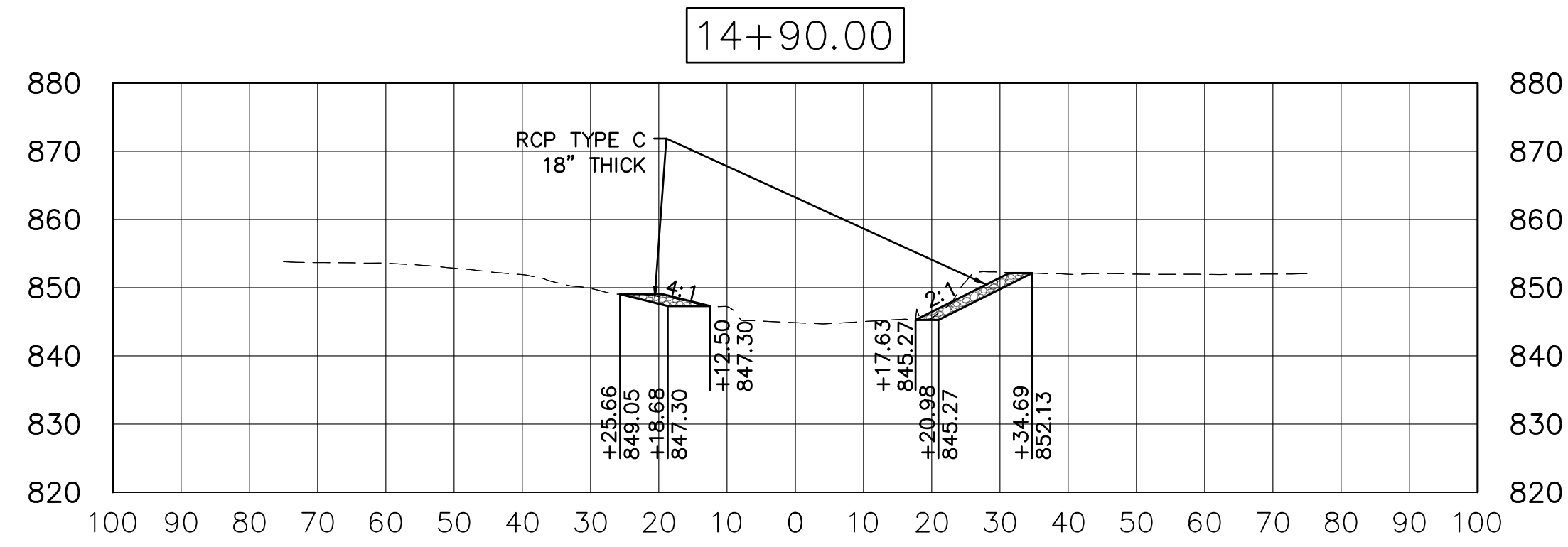
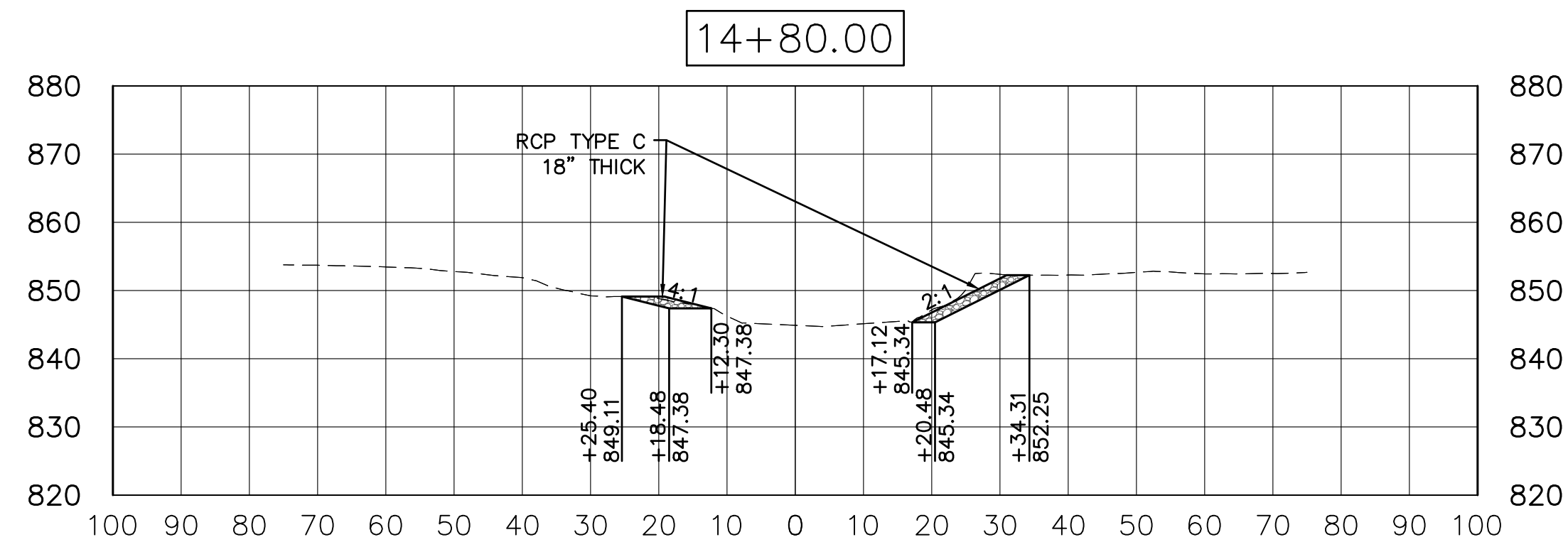
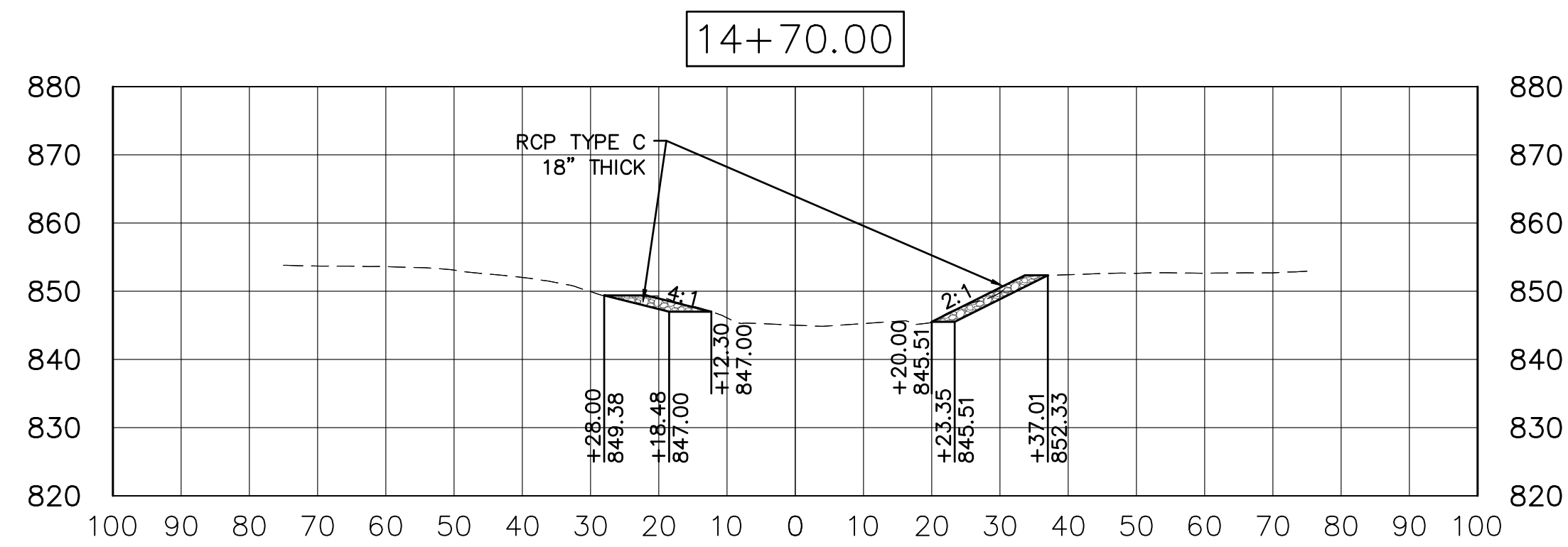
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AREA 5 SECTIONS

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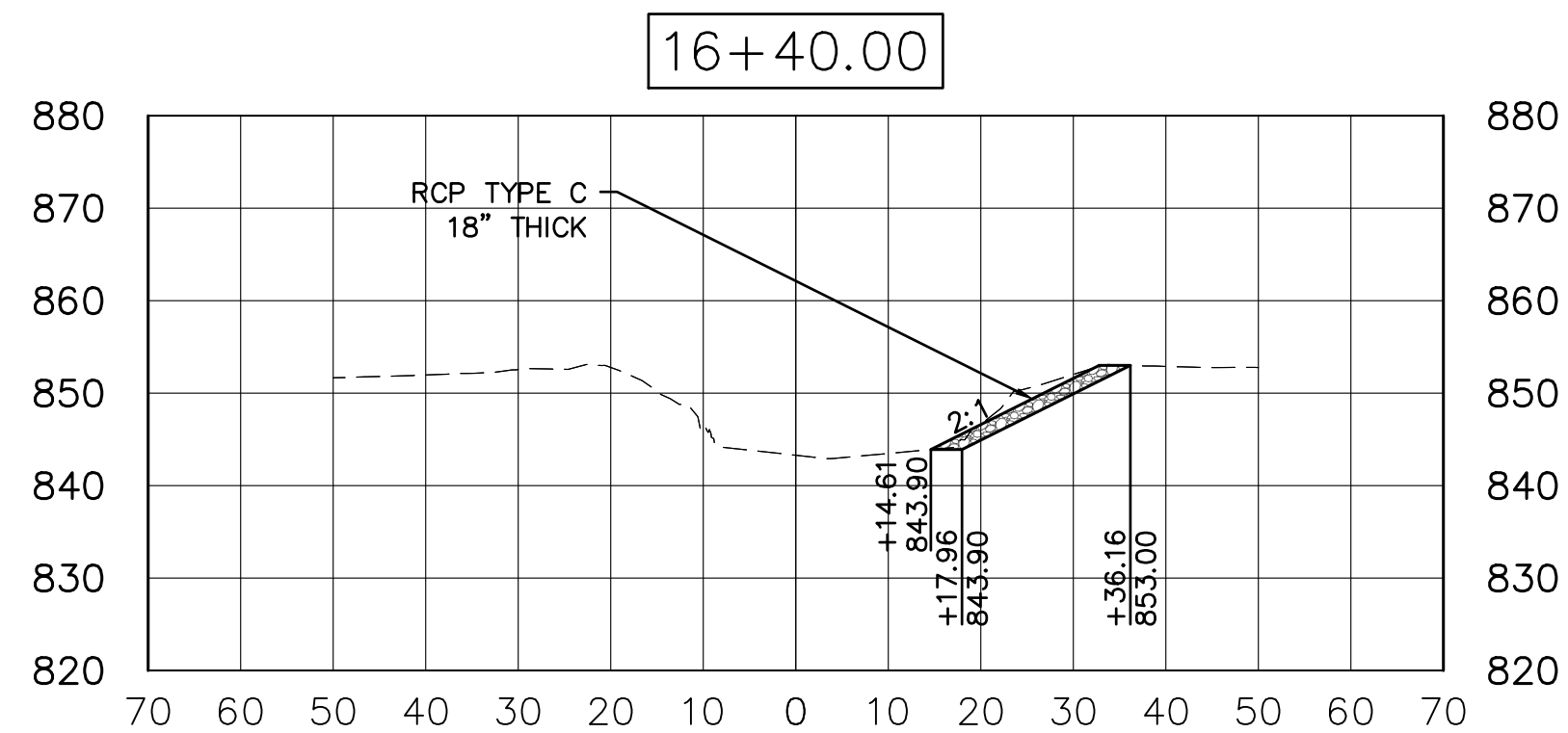
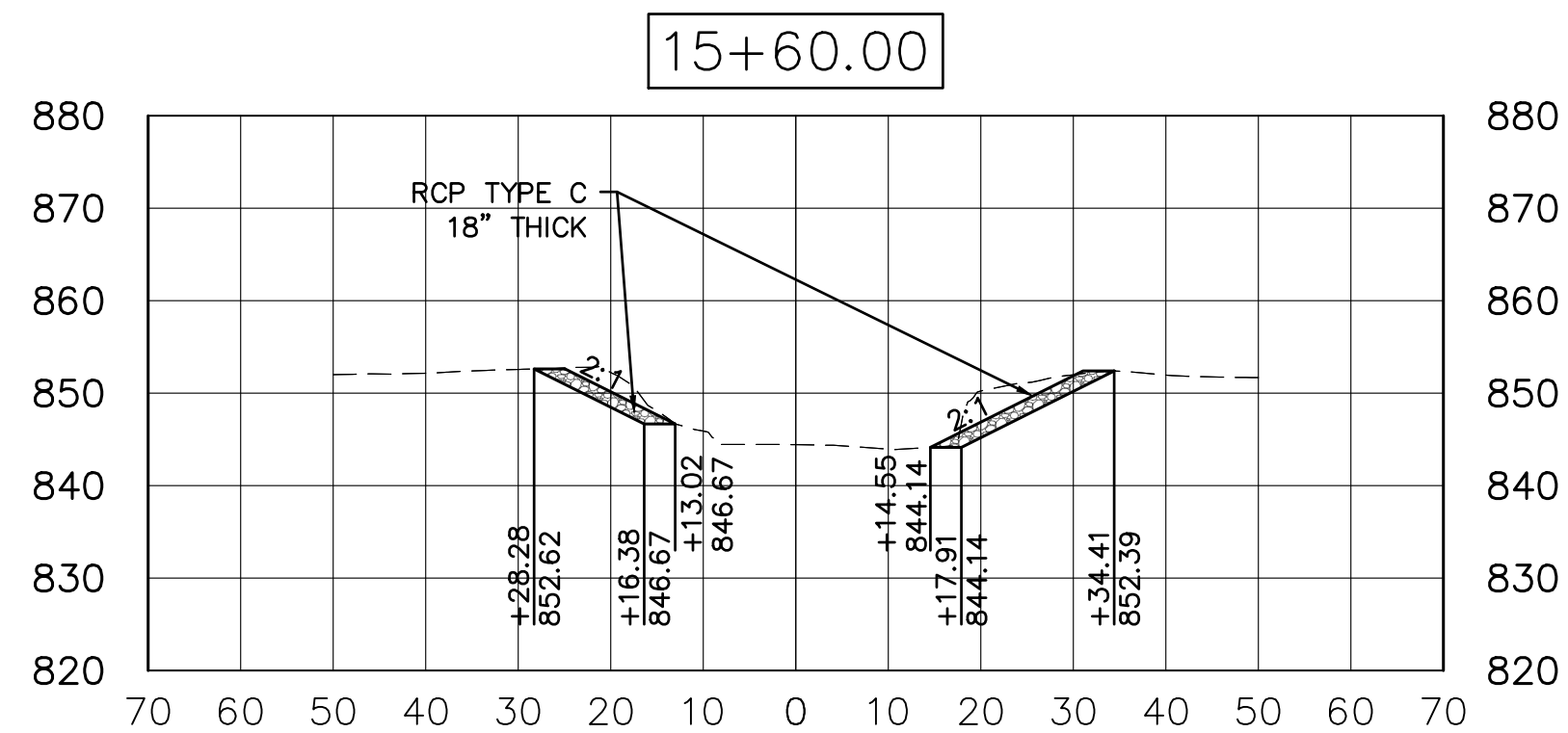
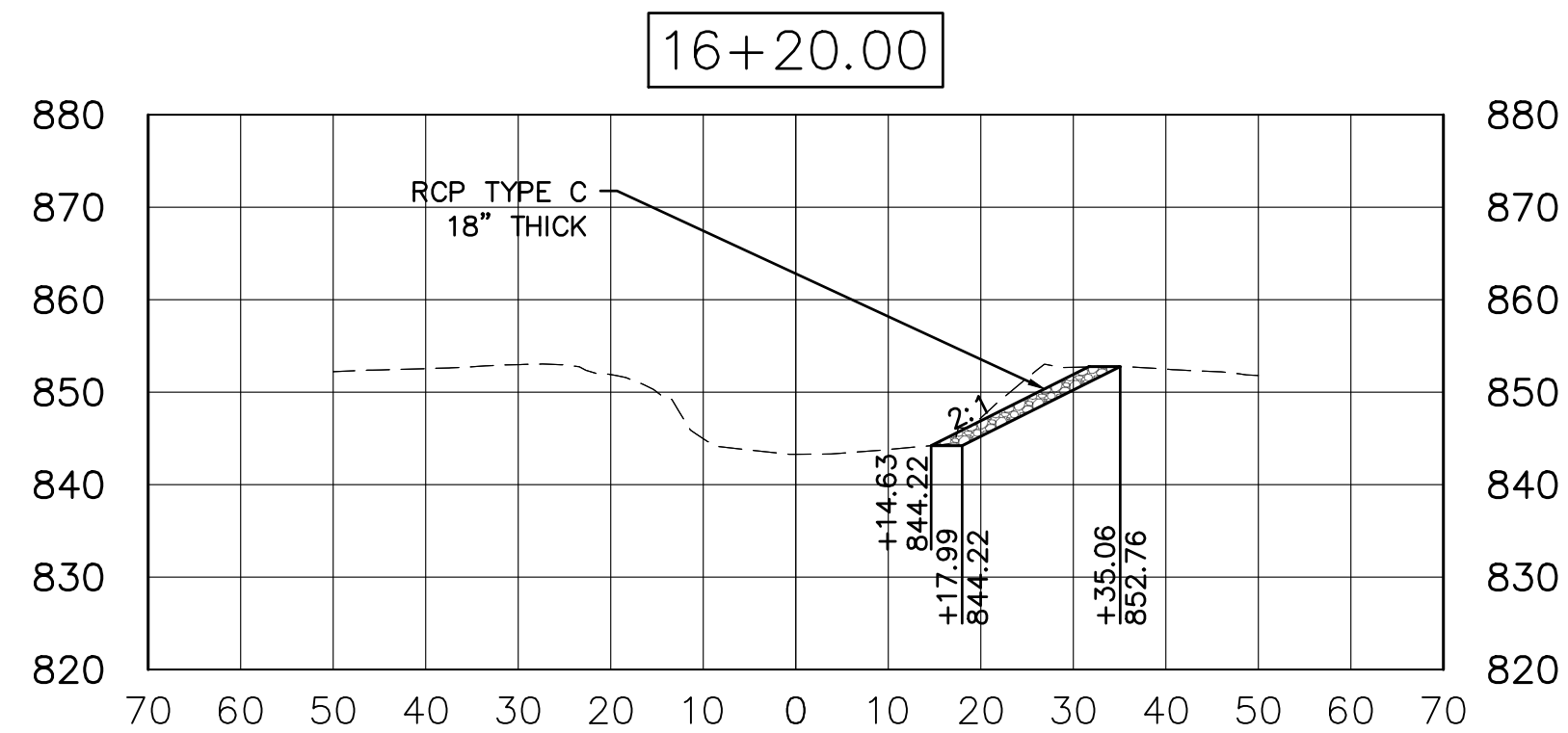
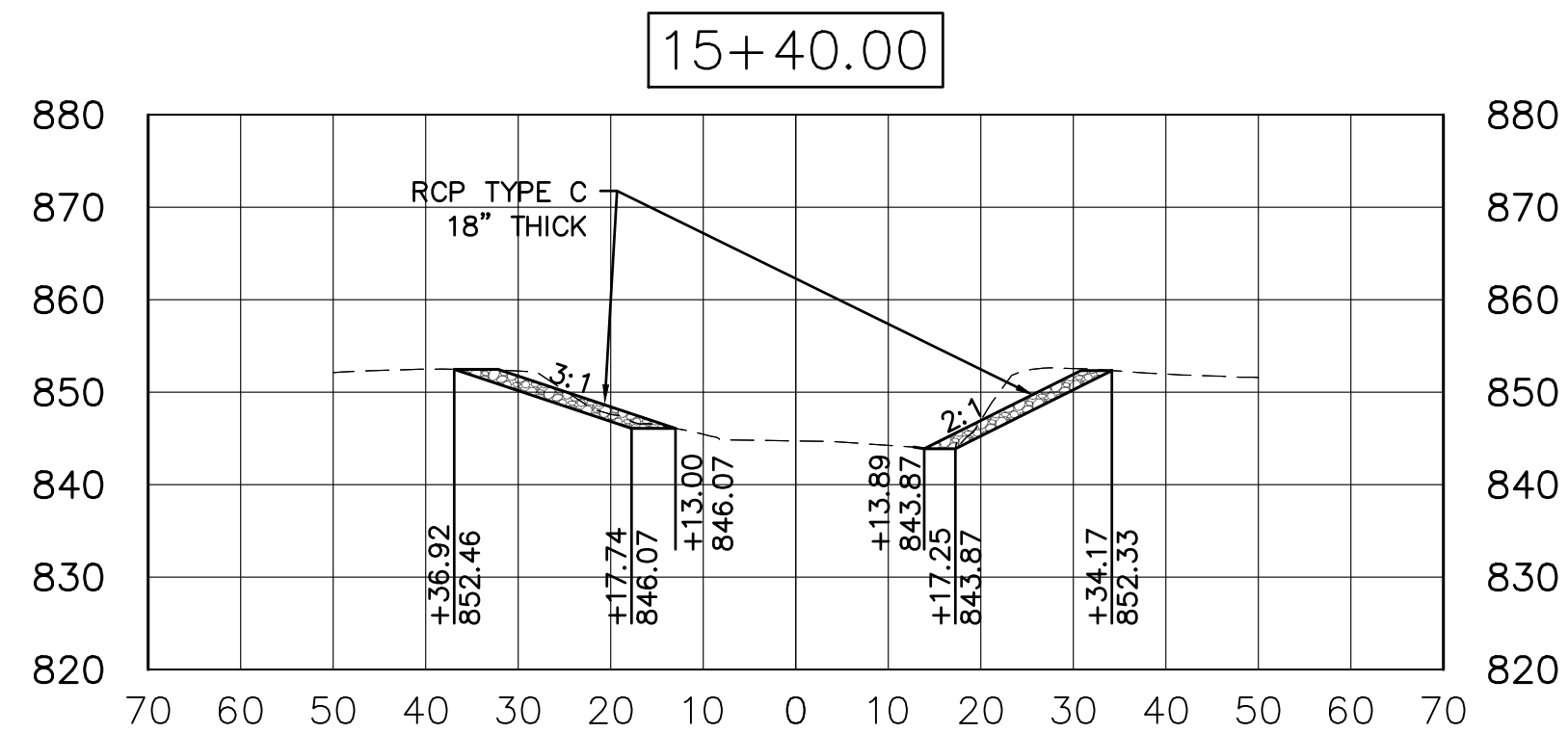
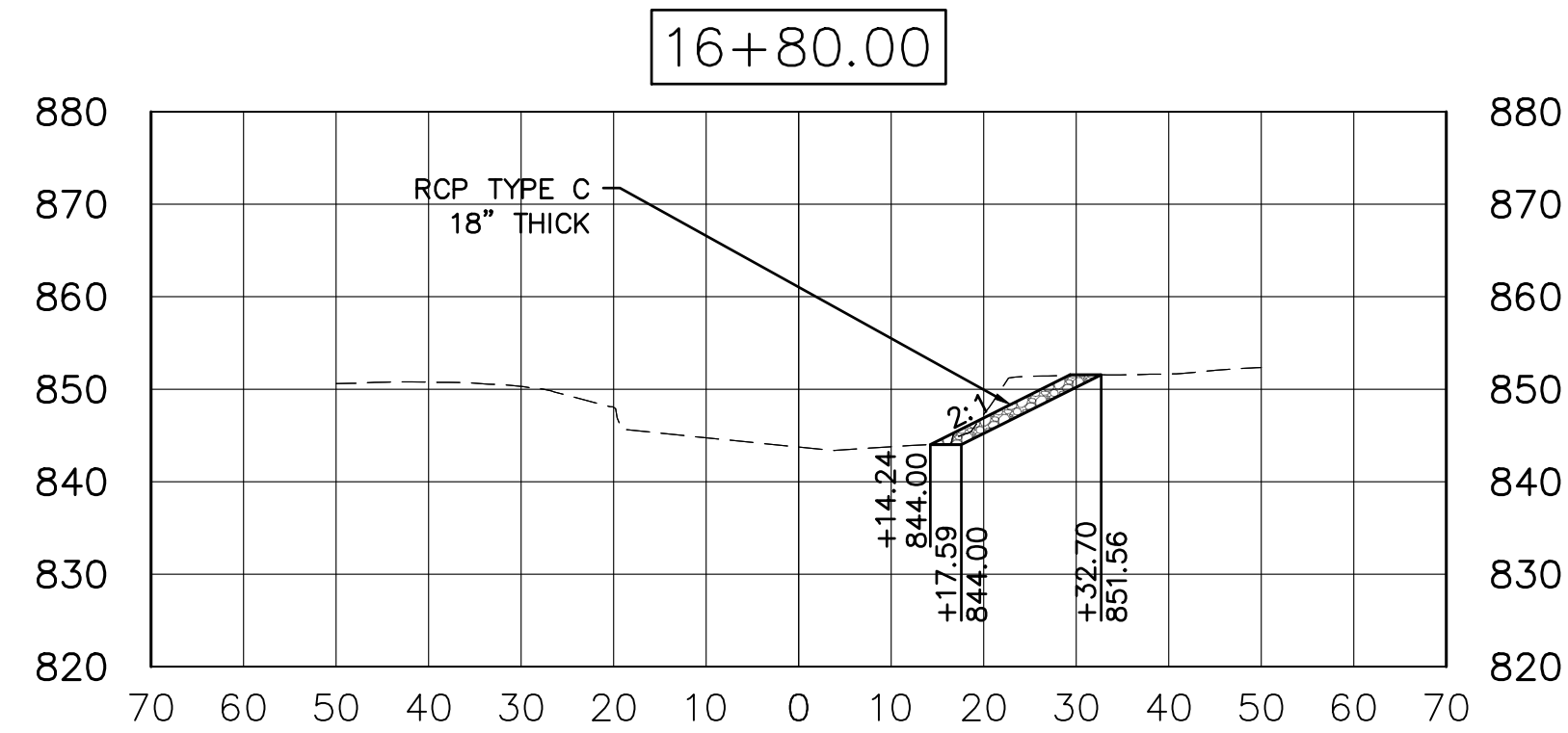
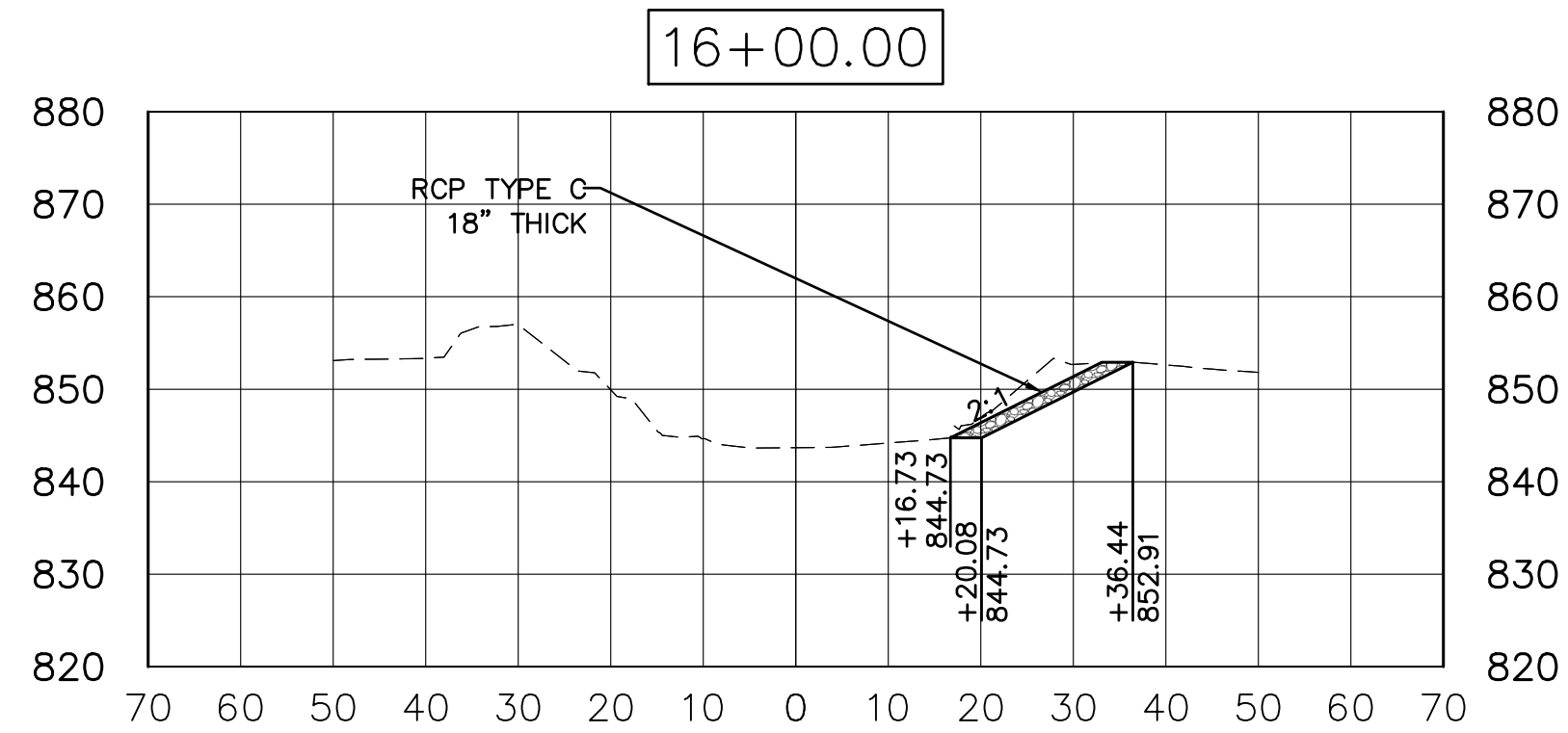
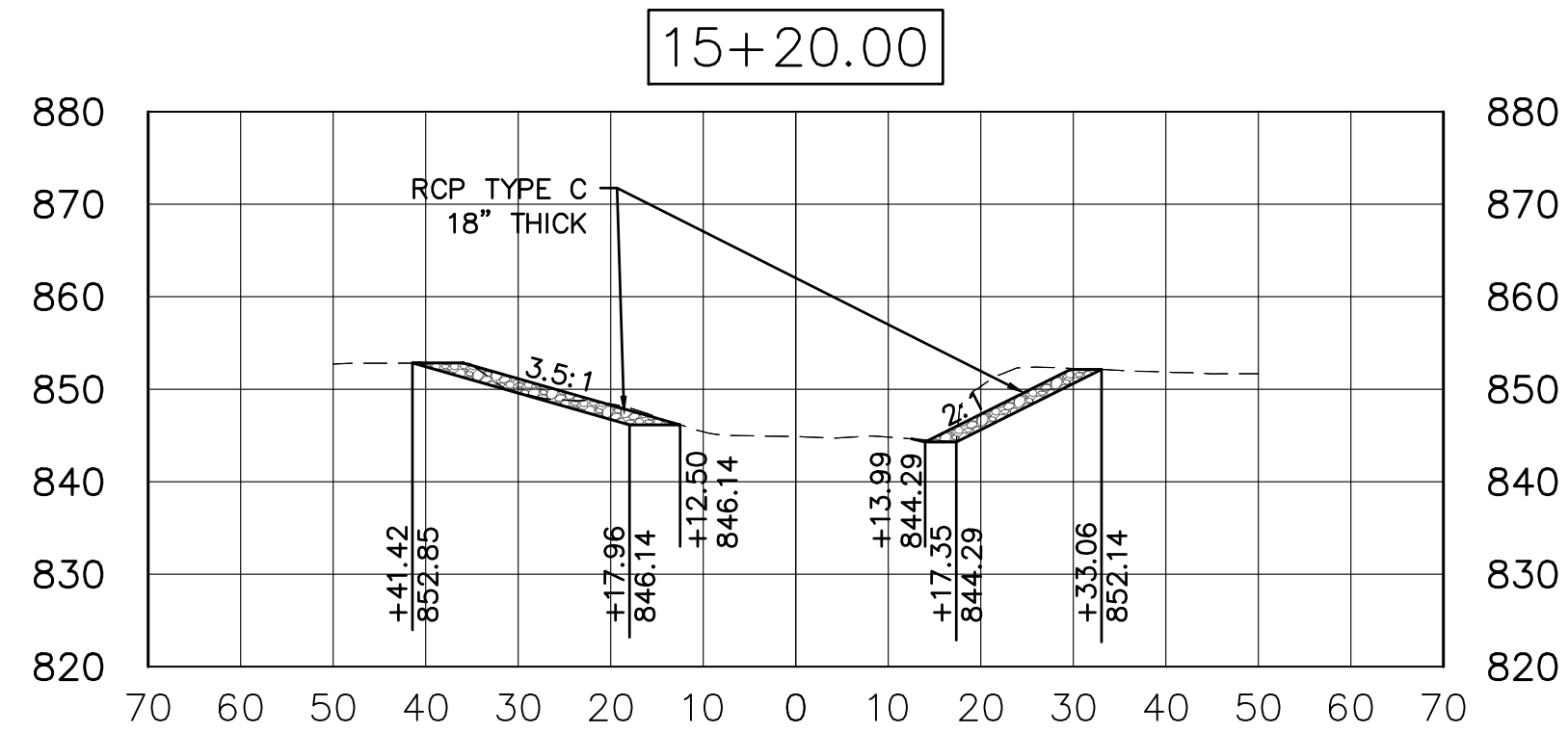
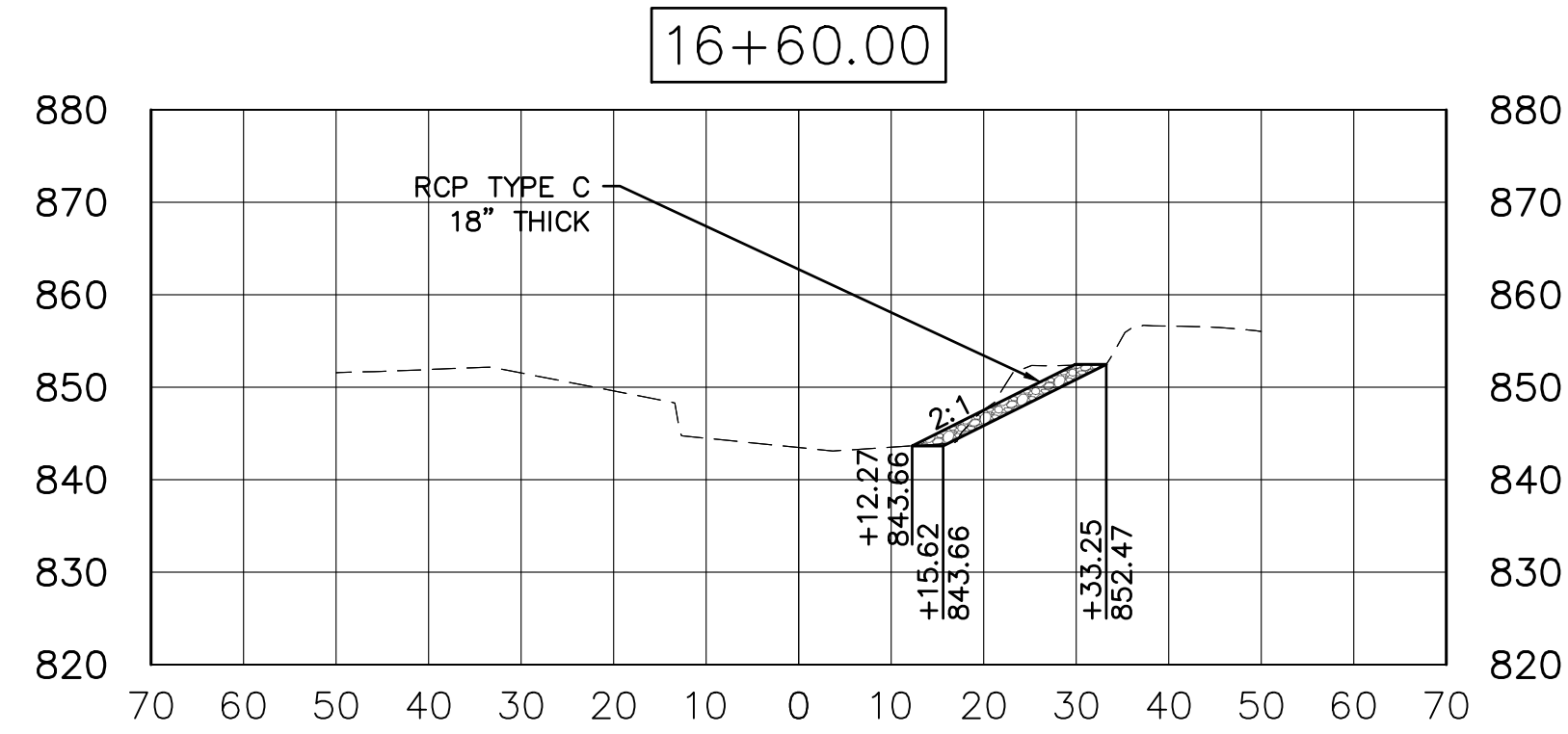
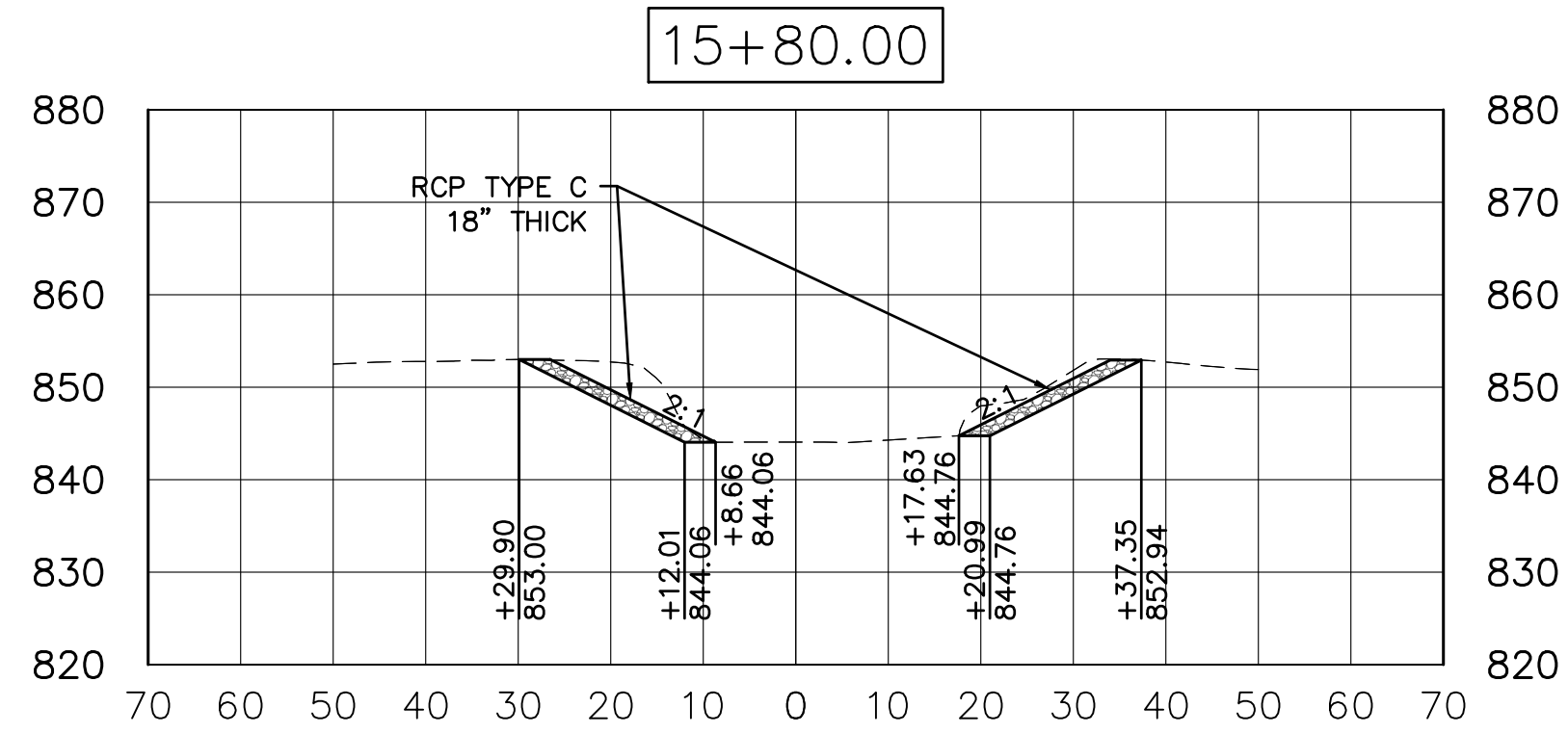
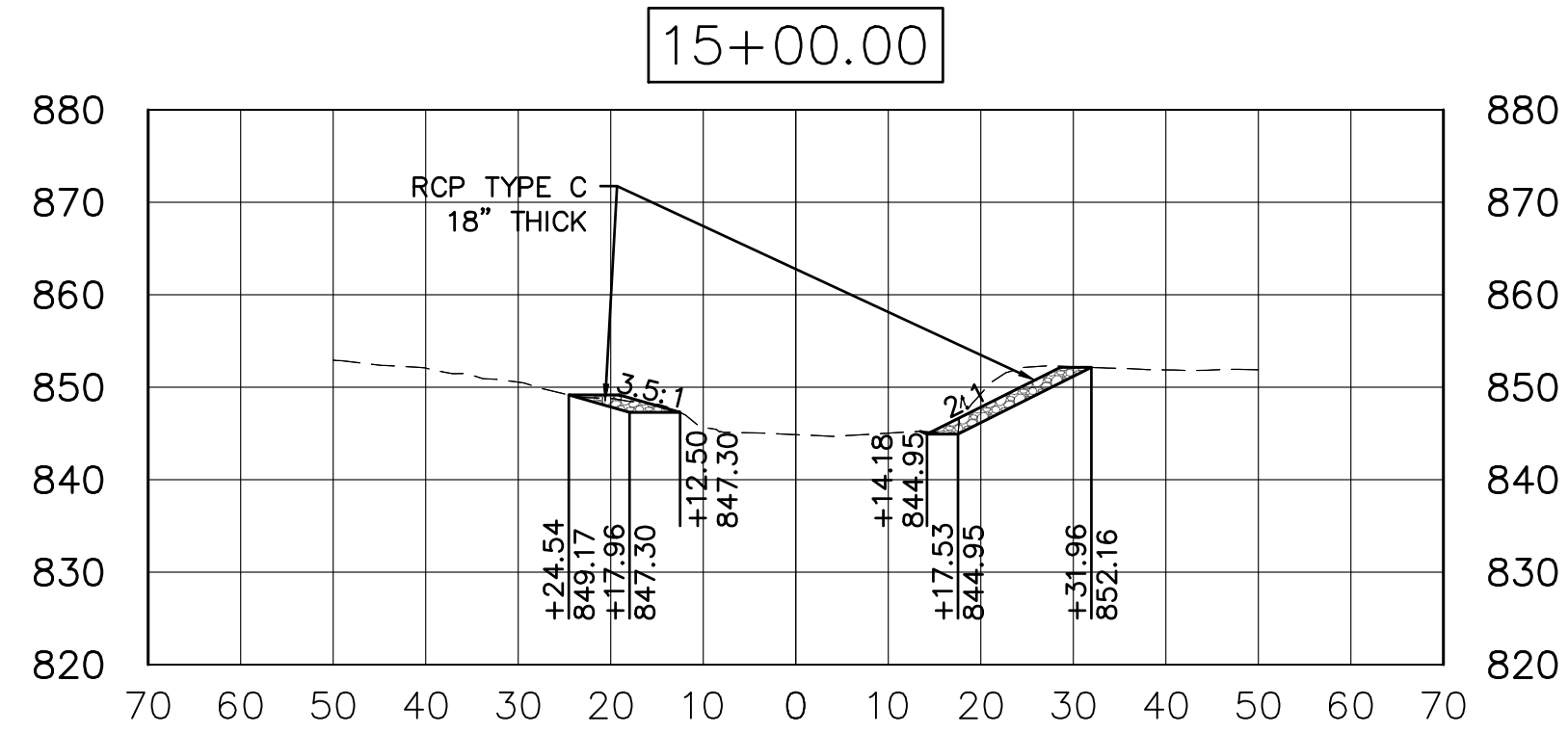
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AREA 6 SECTIONS

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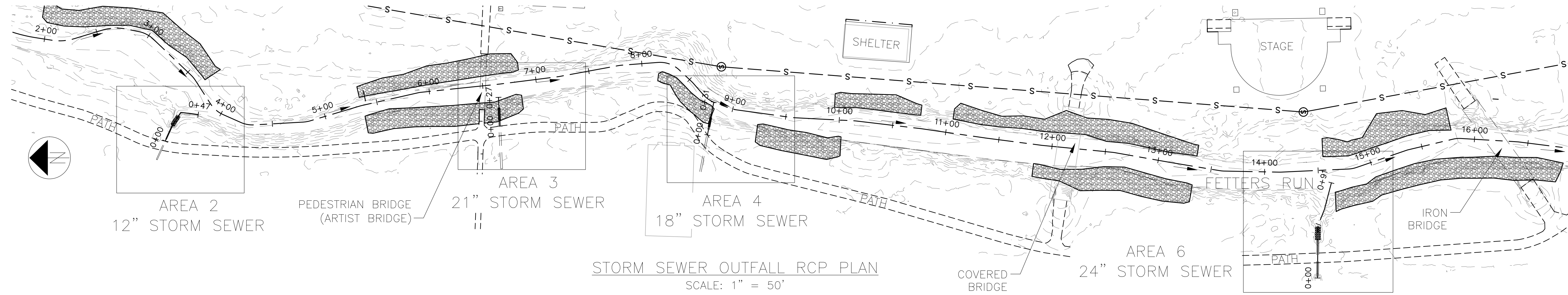
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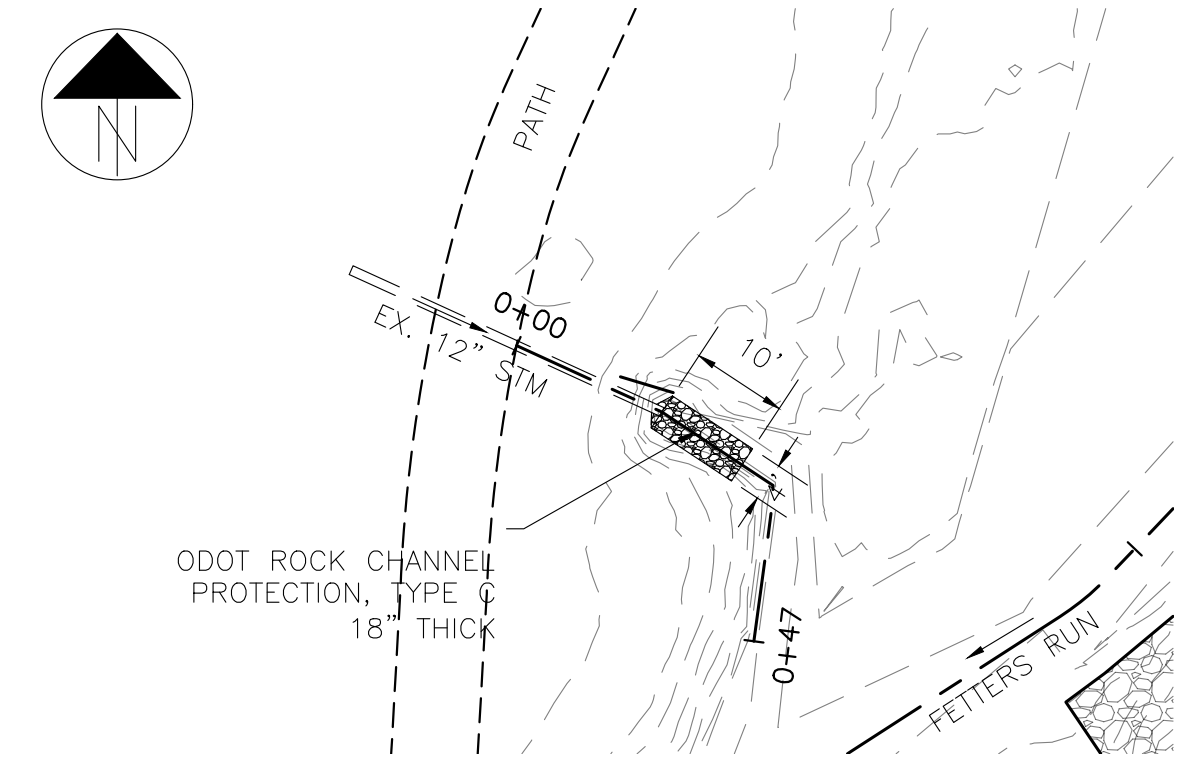
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AREA 7 SECTIONS

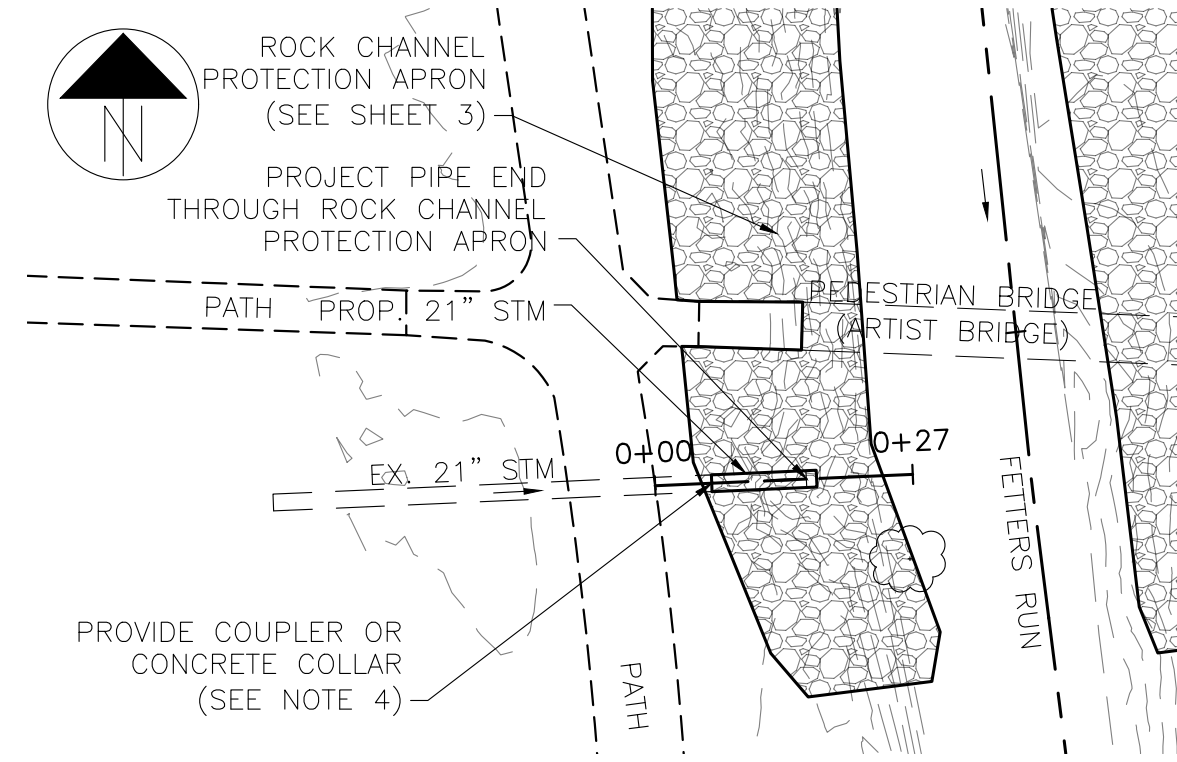
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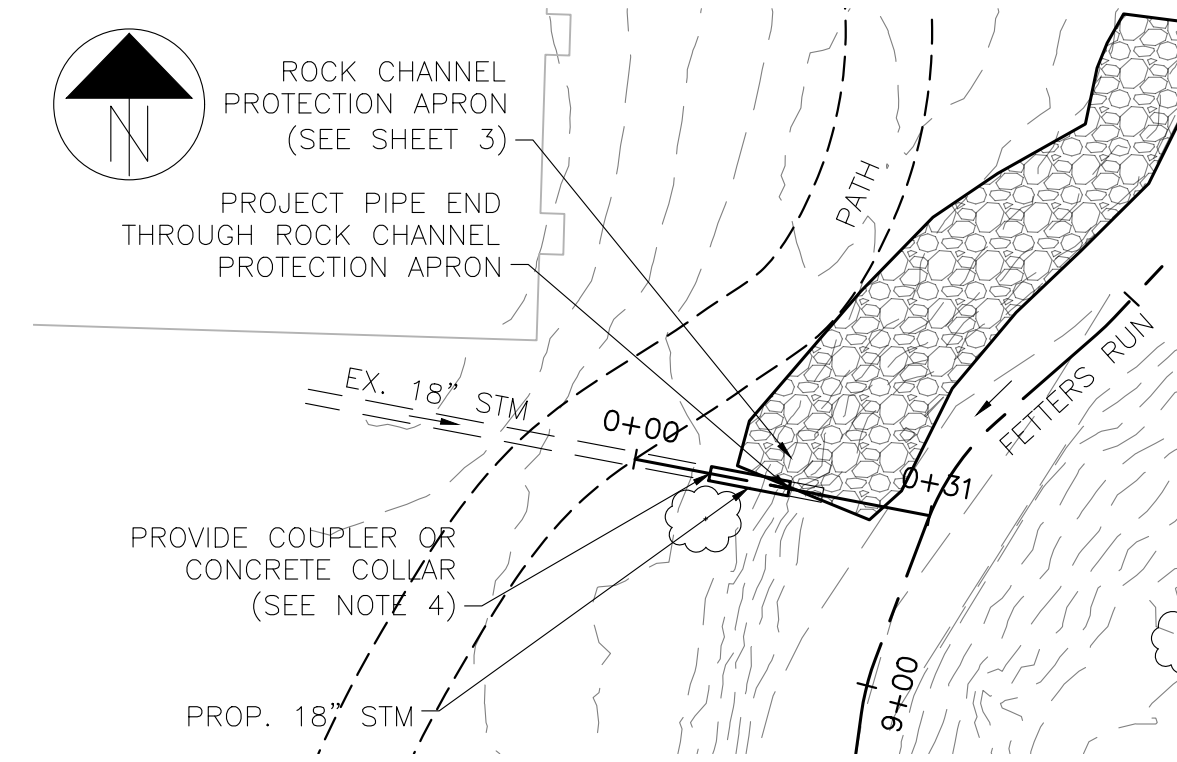
STORM SEWER OUTFALL RCP PLAN
SCALE: 1" = 50'



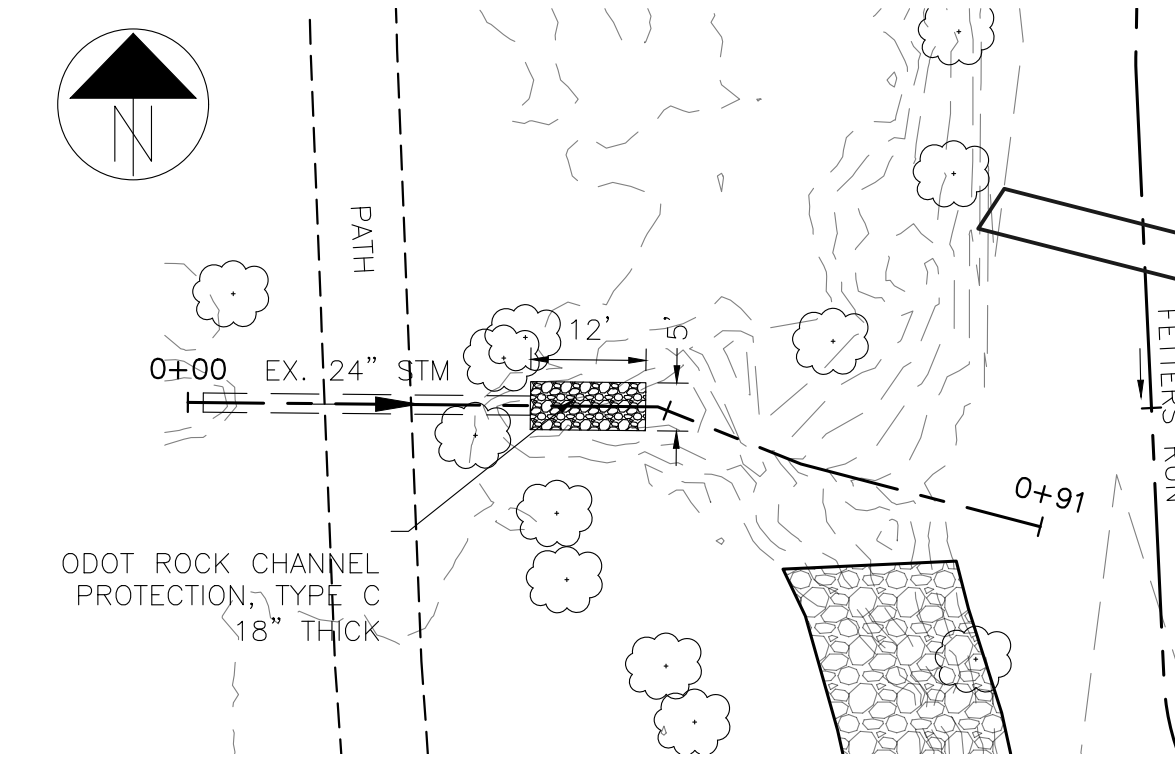
AREA 2 RCP PLAN
SCALE: 1" = 20'



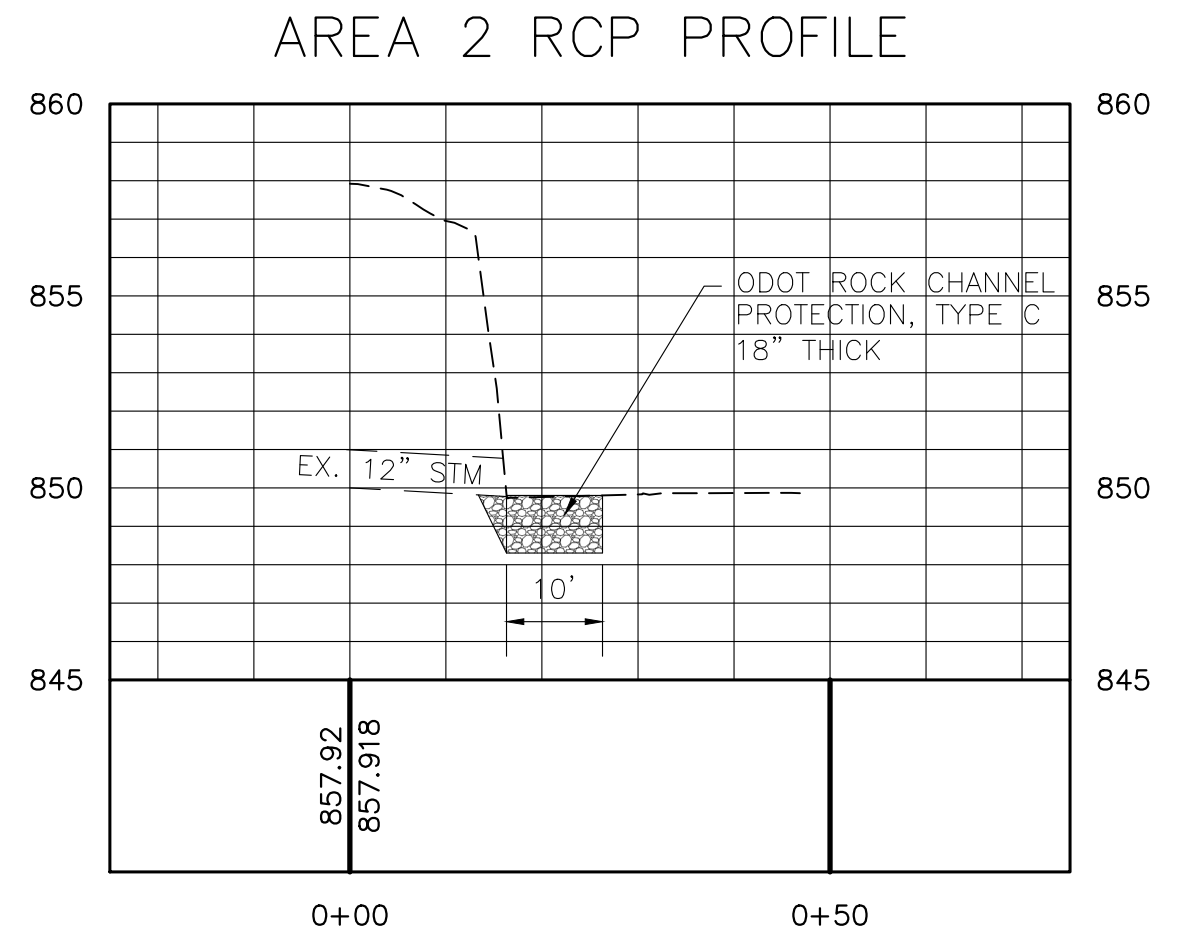
AREA 3 RCP PLAN
SCALE: 1" = 20'



AREA 4 RCP PLAN
SCALE: 1" = 20'

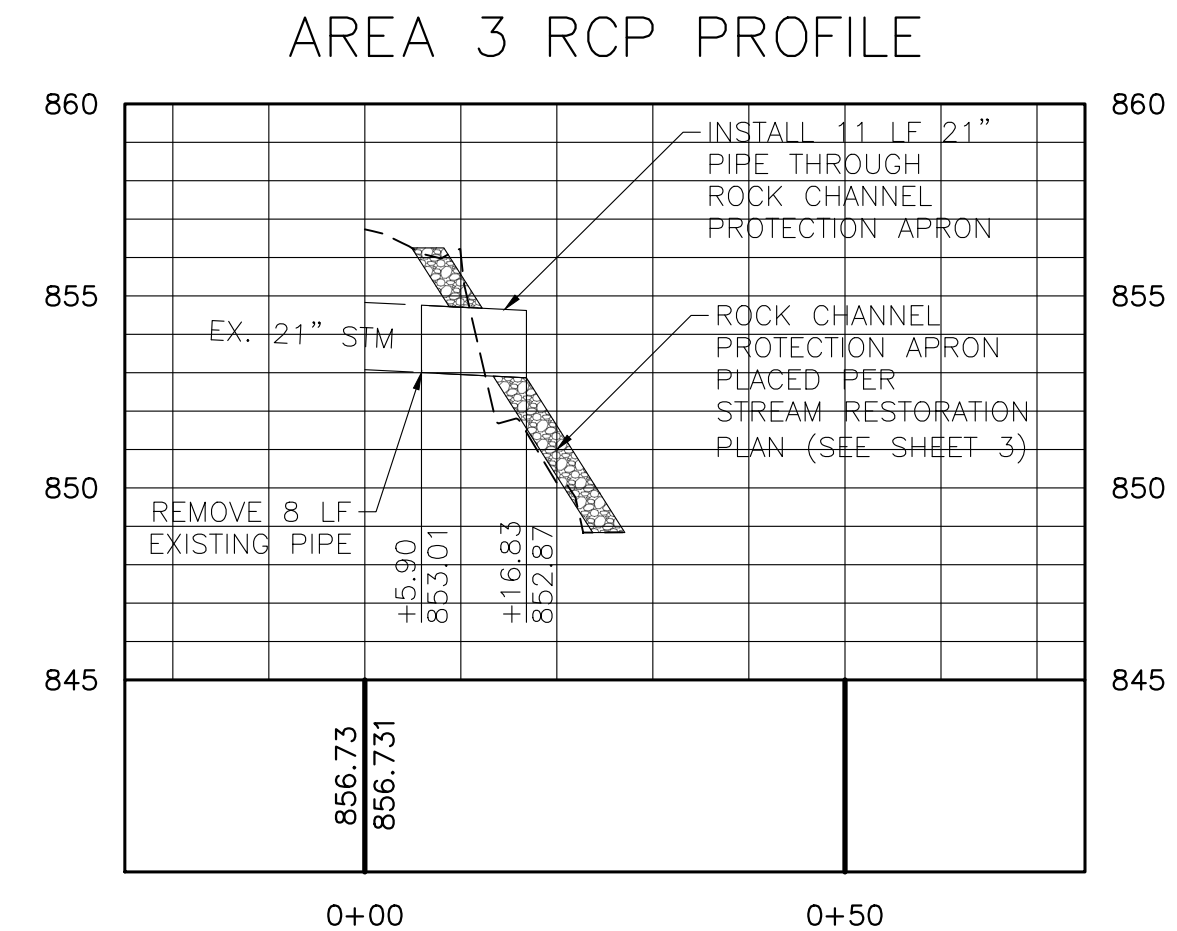


AREA 6 RCP PLAN
SCALE: 1" = 20'



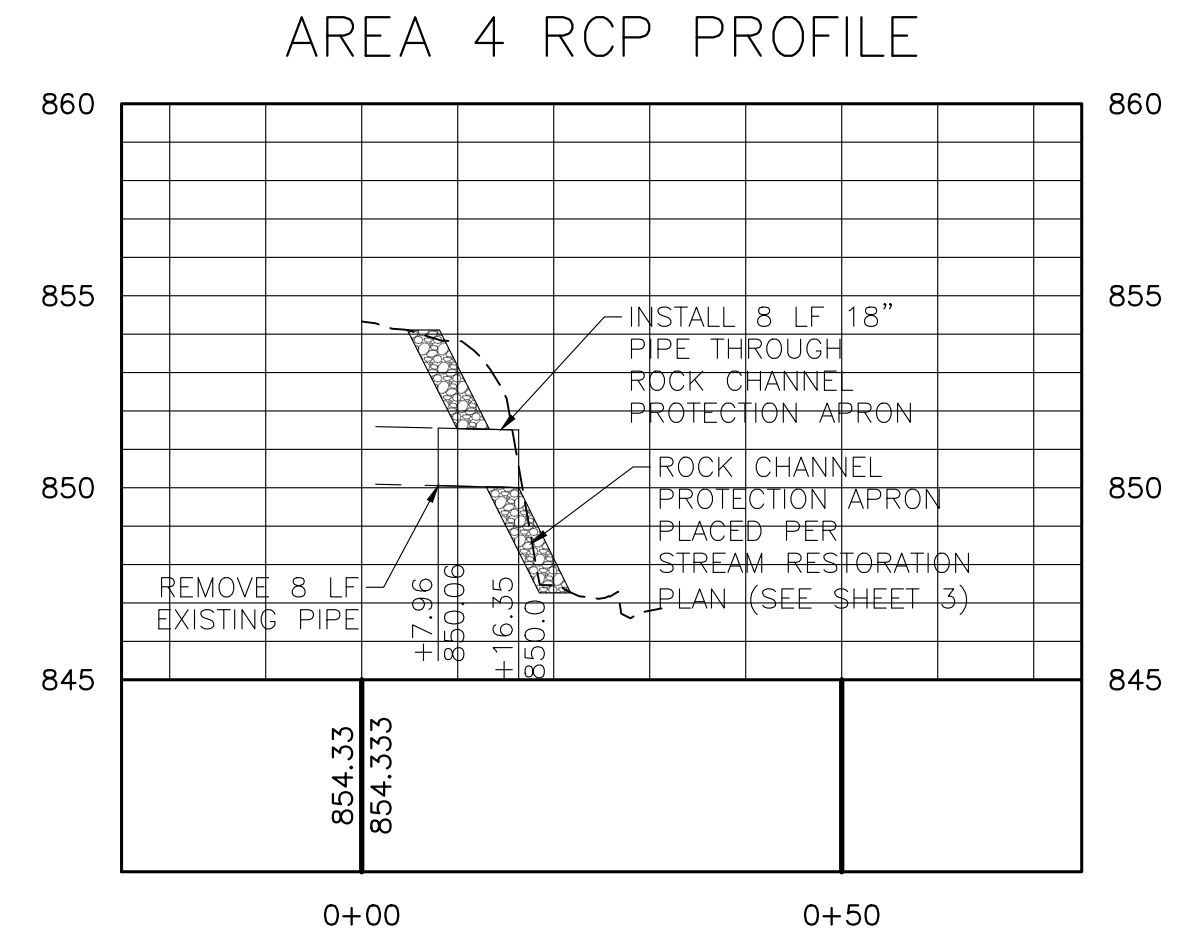
AREA 2 RCP PROFILE

HORIZ. SCALE: 1" = 20'
VERT. SCALE: 1" = 5'



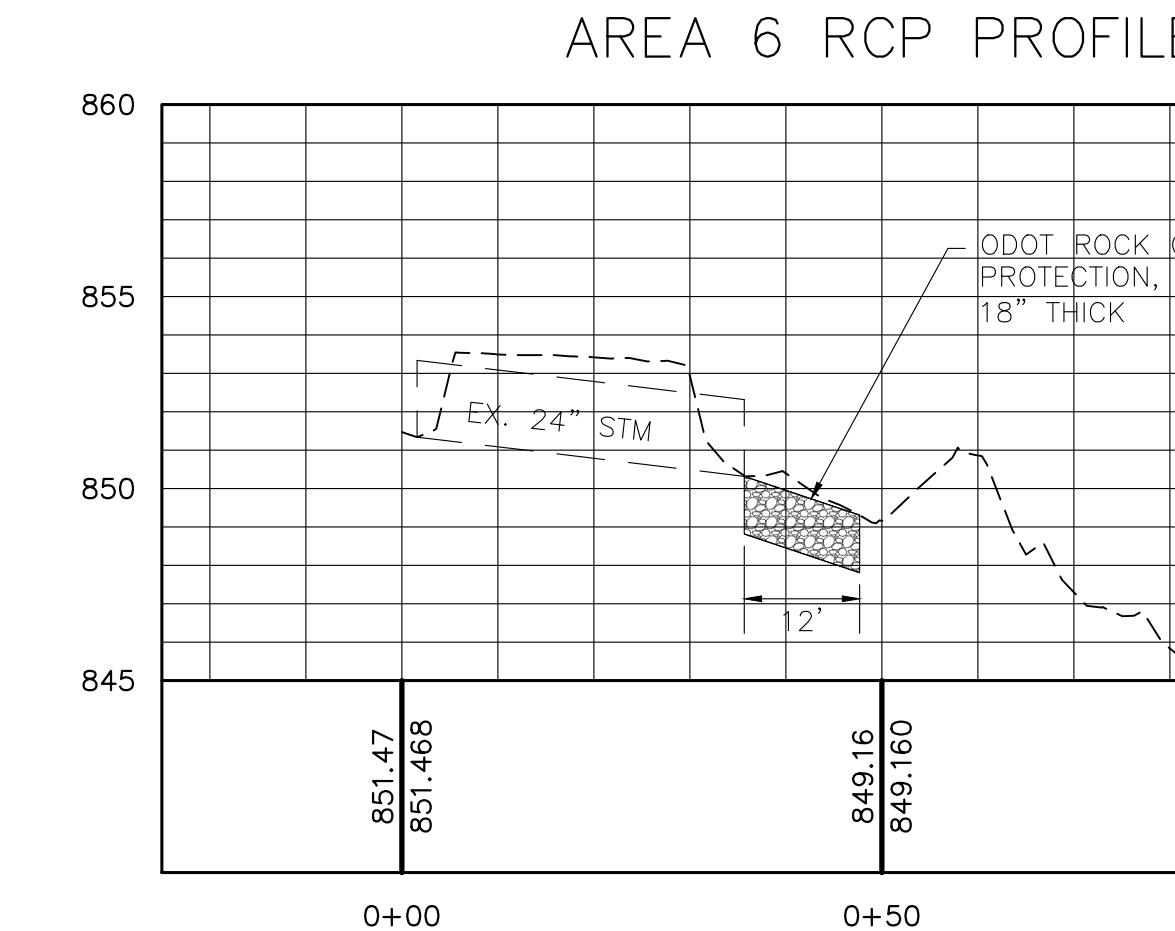
AREA 3 RCP PROFILE

HORIZ. SCALE: 1" = 20'
VERT. SCALE: 1" = 5'



AREA 4 RCP PROFILE

HORIZ. SCALE: 1" = 20'
VERT. SCALE: 1" = 5'



AREA 6 RCP PROFILE

HORIZ. SCALE: 1" = 20'
VERT. SCALE: 1" = 5'

NOTES:

1. ROCK CHANNEL PROTECTION SHALL BE ODOT TYPE C, 18" THICK.
2. FOR AREAS 3 AND 4, PROJECT PIPE THROUGH ROCK CHANNEL PROTECTION TO BE INSTALLED AS PART OF STREAM RESTORATION (SEE SHEET 3).
3. PIPE EXTENSIONS SHALL MATCH PIPE MATERIALS OF EXISTING PIPE.
4. PIPE EXTENSIONS SHALL BE JOINED TO EXISTING PIPES WITH A MANUFACTURER APPROVED COUPLING DEVICE OR WITH A CONCRETE COLLAR PER ODOT STANDARD DRAWING DM-4.1.
5. CONCRETE OR RECYCLED CONCRETE SHALL NOT BE USED. USE ONLY NATURAL STONE. MATERIAL MUST MEET THE ODOT TYPE C REQUIREMENTS.
6. ALL EXISTING CONCRETE MATERIAL AND ANY OTHER NON-NATURAL MATERIAL IS TO BE REMOVED BY THE CONTRACTOR AND PROPERLY DISPOSED.

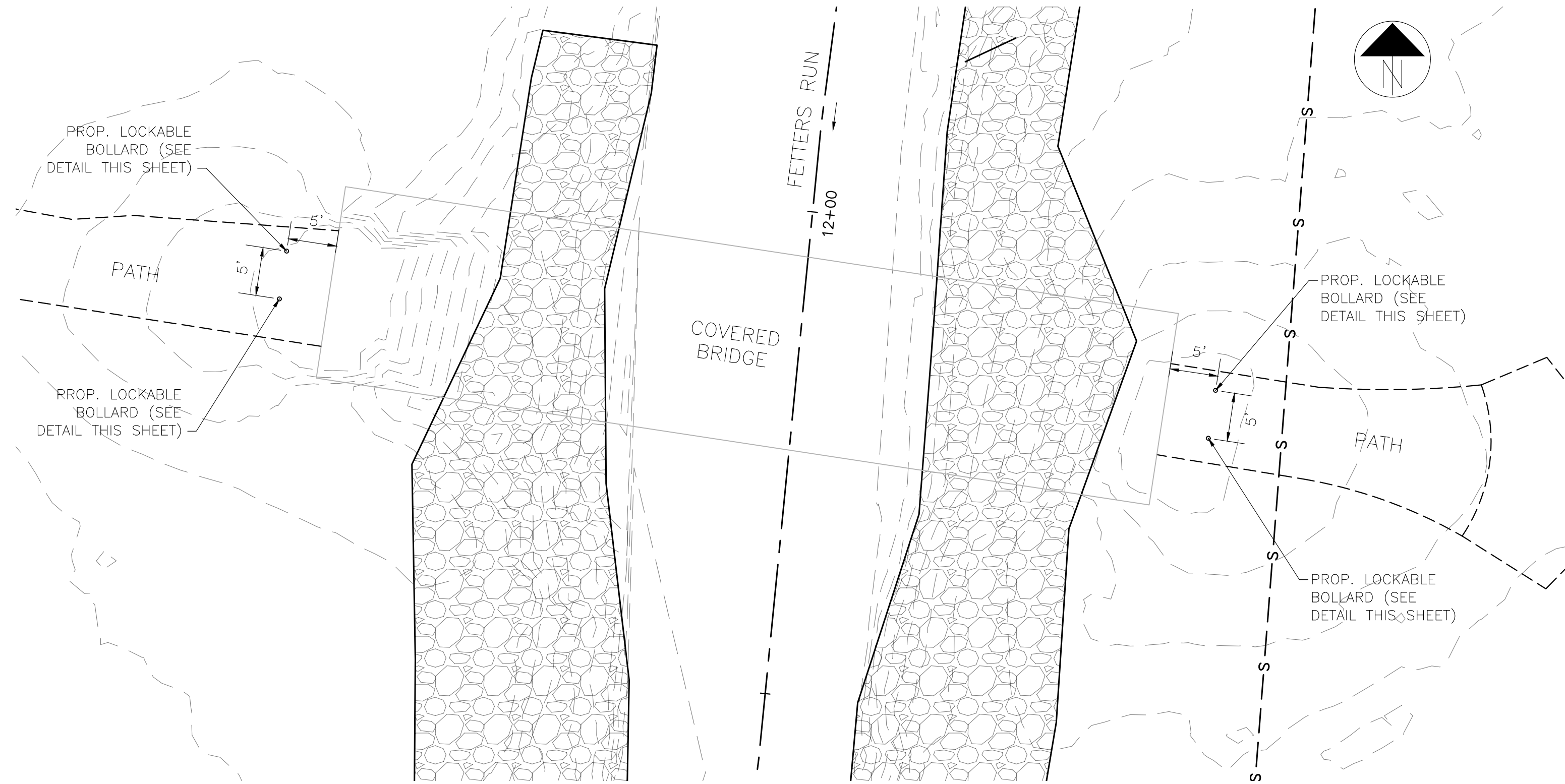
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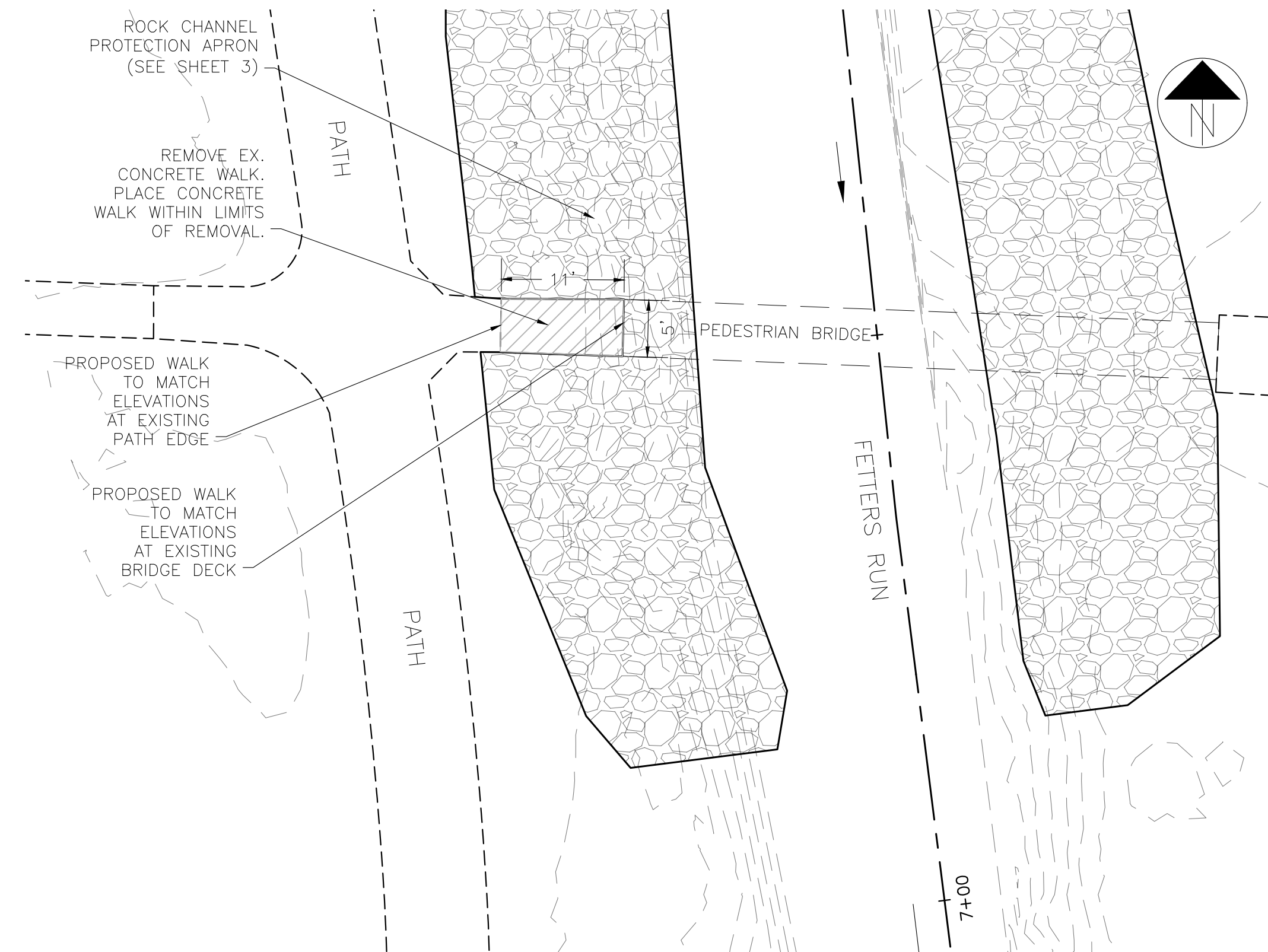


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STREAM BANK STABILIZATION

STORM SEWER
OUTFALL RCP



COVERED BRIDGE BOLLARD PLAN
SCALE: 1" = 10'



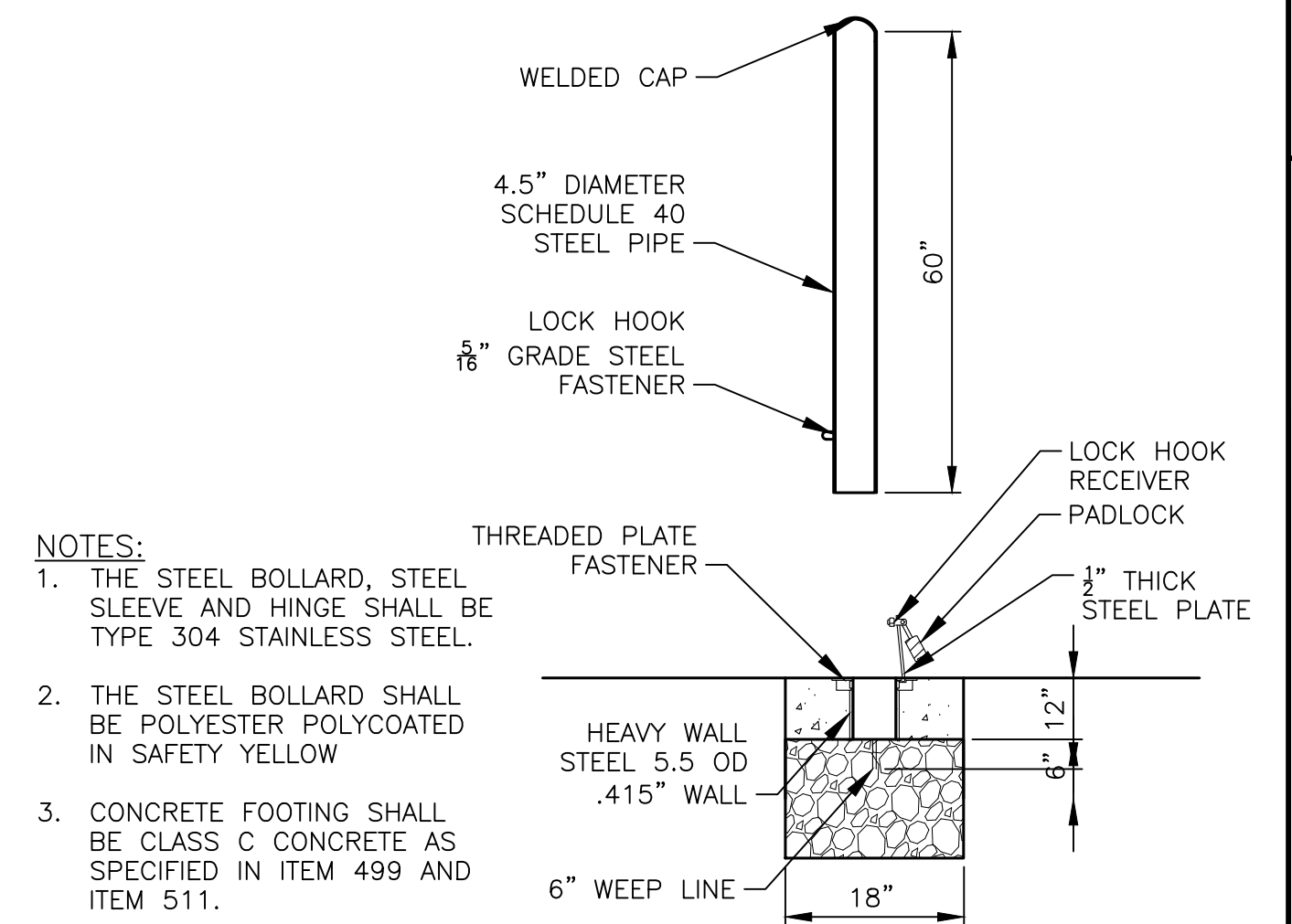
PEDESTRIAN FOOTBRIDGE ASPHALT
REPAIR PLAN
SCALE: 1" = 10'



SILVER IRON BRIDGE BOLLARD PLAN
SCALE: 1" = 10'

BOLLARD PLAN NOTES:

1. BOLLARDS SHALL BE PLACED AT EACH LOCATION APPROXIMATELY FIVE FEET FROM THE EDGE OF THE BRIDGE DECK. COORDINATE FINAL BOLLARD LOCATIONS WITH OWNER.
2. SPACING BETWEEN BOLLARDS SHALL BE FIVE FEET CENTER TO CENTER FOR THE COVERED BRIDGE PATH AND SIX FEET CENTER TO CENTER FOR THE SILVER IRON BRIDGE PATH.



NOTES:

1. THE STEEL BOLLARD, STEEL SLEEVE AND HINGE SHALL BE TYPE 304 STAINLESS STEEL.
2. THE STEEL BOLLARD SHALL BE POLYESTER POLYCOATED IN SAFETY YELLOW
3. CONCRETE FOOTING SHALL BE CLASS C CONCRETE AS SPECIFIED IN ITEM 499 AND ITEM 511.
4. REMOVABLE BOLLARD AND APPURTENANCES SHALL BE A MANUFACTURED ITEM.

REMOVABLE BOLLARD DETAIL
NO SCALE

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WORK

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