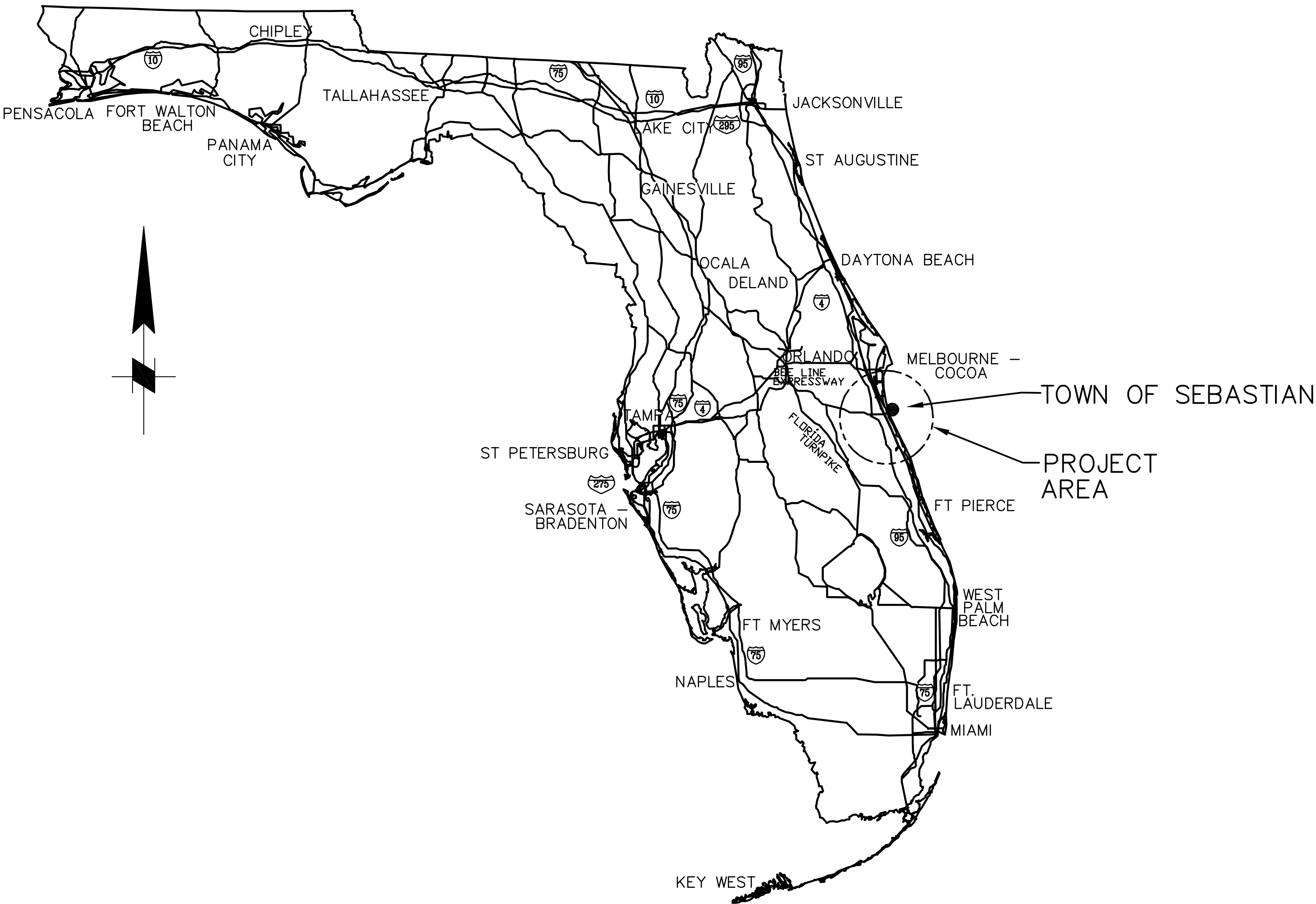


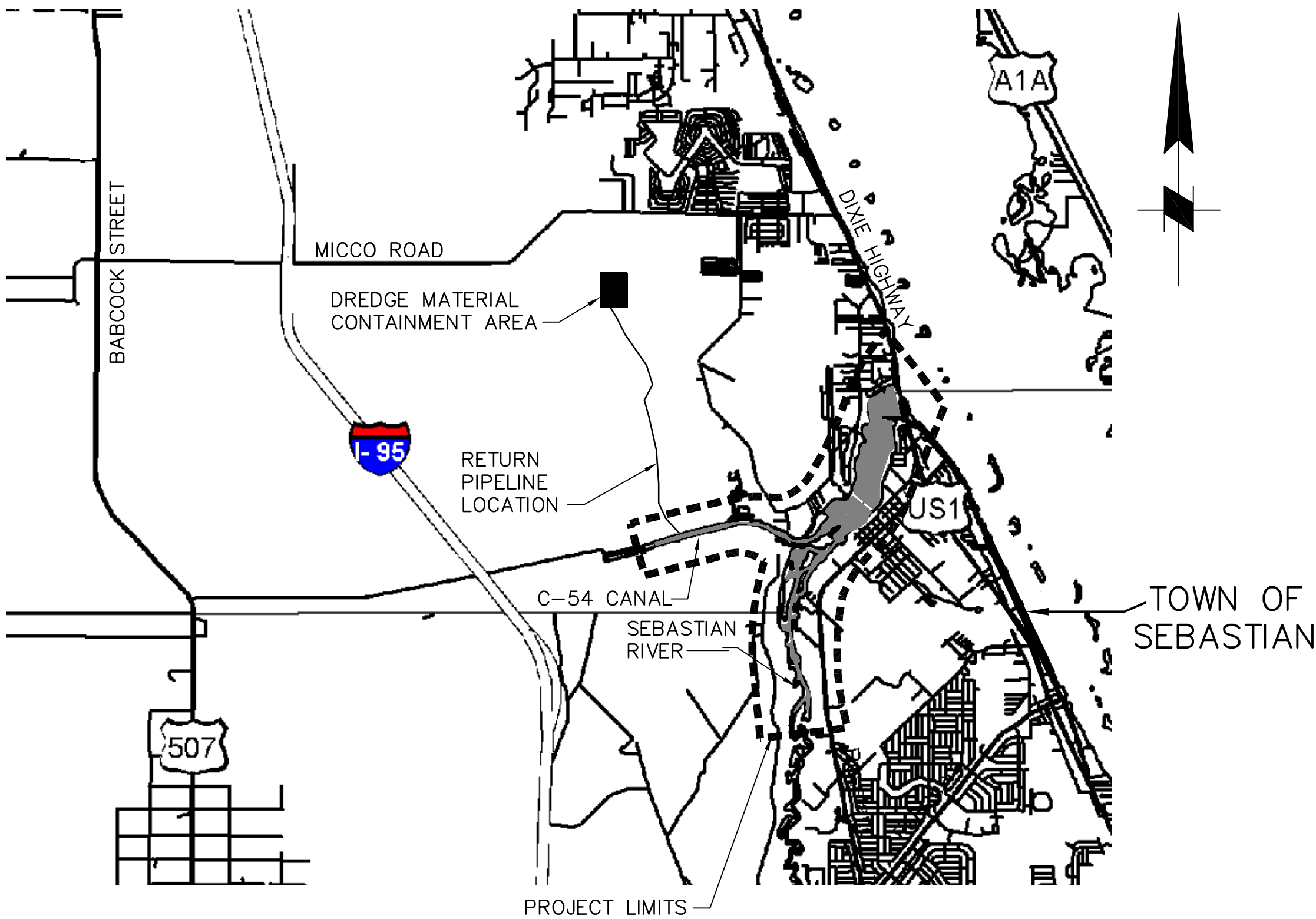
ST. JOHNS RIVER WATER MANAGEMENT DISTRICT



SEBASTIAN RIVER MUCK REMOVAL PROJECT SEBASTIAN, FLORIDA



LOCATION MAP
NTS



VICINITY MAP
NTS

ST. JOHNS RIVER WATER MANAGEMENT DISTRICT
SEBASTIAN RIVER MUCK REMOVAL
SEBASTIAN, FLORIDA

MOFFATT & NICHOL
1509 W. SWANN AVE. SUITE 225
TAMPA, FLORIDA 33606
(813) 258-8818

100%
SUBMITTAL
DRAWINGS
NOT TO BE USED
FOR CONSTRUCTION

DATE JUNE 2005
SHEET 1 OF 67



G1

COVER SHEET

REVISION	DESCRIPTION	BY	DATE

DWG INFO: 46420G002.DWG, JUL 18 2005 - 01:16 PM, ARSMITH, (C) MOFFATT AND NICHOL

GENERAL NOTES

1. NOTES BELOW ARE NOT INTENDED TO REPLACE SPECIFICATIONS.
2. THE ST. JOHNS RIVER WATER MANAGEMENT DISTRICT SHALL BE KNOW HEREIN AS THE "DISTRICT".
3. ALL WORK SHALL CONFORM TO THE REQUIREMENTS OF THESE PLANS, THE PROJECT SPECIFICATIONS AND FDOT STANDARD SPECIFICATIONS WHERE REFERENCED. FDOT STANDARD SPECIFICATIONS ARE REFERENCED FOR MATERIAL SPECIFICATIONS AND CONSTRUCTION METHODS UNDER DIVISION II "CONSTRUCTION DETAILS". DIVISION I "GENERAL REQUIREMENTS AND CONVENANTS" OF THE FDOT STANDARD SPECIFICATIONS DOES NOT APPLY. THE CONTRACT WITH THE OWNER SHALL GOVERN OVER FDOT SPECIFICATIONS. MEANS OF MEASUREMENT AND PAYMENT SHALL BE AS STIPULATED BY THE OWNER AND THE CONTRACT. FDOT STANDARD SPECIFICATIONS REFER TO THE FLORIDA DEPARTMENT OF TRANSPORTATION "STANDARD SPECIFICATION FOR ROADWAY AND BRIDGE CONSTRUCTION", 2000 EDITION AND ALL SUPPLEMENTAL SPECIFICATIONS.
4. HORIZONTAL CONTROL IS REFERED TO THE NORTH AMERICAN DATUM OF 1983 STATE PLANE COORDINATE SYSTEM BASED ON THE TRANSVERSE MERCATOR PROJECTION FOR THE EAST ZONE OF FLORIDA, IN FEET.
5. ELEVATIONS ARE IN FEET AND ARE REFERENCED TO THE NATIONAL GEODETIC VERTICAL DATUM OF 1929 (NGVD 29).
6. LOCATIONS, DIMENSIONS, AND ELEVATIONS OF BUILDINGS, ROADS, AND UTILITIES SHOWN ON THE BASE MAP ARE APPROXIMATE AND SHOWN FOR INFORMATIONAL PURPOSES ONLY. CONTRACTOR SHALL VERIFY ALL DIMENSIONS AND EXISTING CONDITIONS BEFORE STARTING WORK AND NOTIFY THE DISTRICT OF DISCREPANCIES.
7. BATHYMETRIC AND TOPOGRAPHIC INFORMATION DEVELOPED FROM SURVEY CONDUCTED BY MASTELLER, MOLER & REED INC. DATED JANUARY 5, 2001. INFORMATION REPRESENTS CONDITIONS AT TIME OF SURVEY. CONTRACTOR SHALL VERIFY CONDITIONS AND QUANTITIES FROM THOSE SHOWN ON THESE DRAWINGS USING PRE-DREDGING AND PRE-PLACEMENT SURVEYS AS DESCRIBED IN THE SPECIFICATIONS. CONTRACTOR SHALL NOTIFY THE DISTRICT OF DISCREPANCIES AT LEAST 14 DAYS PRIOR TO THE START OF DREDGING.
8. ALL SAFETY REGULATIONS ARE TO BE STRICTLY FOLLOWED. METHODS OF CONSTRUCTION AND ERECTION OF STRUCTURAL MATERIAL IS THE CONTRACTOR'S RESPONSIBILITY.
9. CONTRACTOR SHALL MEET DAILY WITH THE REPRESENTATIVE OF THE DISTRICT TO COORDINATE CONSTRUCTION ACTIVITIES.
10. THE CONTRACTOR SHALL, ON A DAILY BASIS, REMOVE FROM THE SITE ANY CONSTRUCTION DEBRIS. DISPOSAL OF THE MATERIALS IS THE RESPONSIBILITY OF THE CONTRACTOR. ALL DEBRIS SHALL BE DISPOSED OF IN A PERMITTED SANITARY LANDFILL AT THE CONTRACTOR'S EXPENSE.
11. THE CONTRACTOR SHALL PLACE CONSTRUCTION DEBRIS CONTROL DEVICES, BOOMS, TARPULINS, FLOATS, STAGING, AND OTHER DEVICES AS NECESSARY TO PREVENT CONSTRUCTION DEBRIS FROM ENTERING THE WATER AND AIR BORNE MATERIALS FROM LEAVING THE IMMEDIATE VICINITY OF THE SITE. THE CONTRACTOR SHALL BE RESPONSIBLE FOR CLEAN-UP OF ANY MATERIALS DEPOSITED OUTSIDE THE WORK AREA. SEE FDEP AND USACE PERMITS FOR SPECIFIC CONDITIONS.
12. SITE VERIFICATION: PRIOR TO BEGINNING CONSTRUCTION, THE CONTRACTOR SHALL VERIFY THE SITE CONDITIONS AND NOTIFY THE DISTRICT PROJECT MANAGER IN WRITING OF ANY DISCREPANCIES IN DIMENSIONS OR SITE CONDITIONS. THE CONTRACTOR SHALL NOT BEGIN CONSTRUCTION IN ANY SUCH AFFECTED AREA UNTIL THE DISCREPANCY HAS BEEN RESOLVED BY THE CONTRACTOR AND APPROVED BY THE DISTRICT PROJECT MANAGER.
13. THE CONTRACTOR SHALL ABIDE BY ALL APPLICABLE LOCAL ENVIRONMENTAL PROTECTION STANDARDS, LAWS, AND REGULATIONS.
14. THE CONTRACTOR SHALL REMOVE ALL BARGES, WORK BOATS, STAGING, AND OTHER TEMPORARY PLATFORMS AND/OR AREAS AT THE COMPLETION OF WORK.
15. ANY DAMAGE TO STATE, COUNTY, OR LOCAL ROADS CAUSED BY THE CONSTRUCTION ACTIVITIES RELATED TO THIS PROJECT SHALL BE REPAIRED BY THE CONTRACTOR TO THE SATISFACTION OF THE DISTRICT PROJECT MANAGER.
16. ALL TEMPORARY FENCING SHALL BE IN ACCORDANCE WITH STANDARD INDEX NO. 452 OF THE FDOT ROADWAY AND TRAFFIC DESIGN STANDARDS (JANUARY 2000).
17. NO LAND BASED CONSTRUCTION SHALL OCCUR OUTSIDE OF THE LIMITS OF THE JEEP TRAIL OR THE DMCA PROPERTY BOUNDARY.
18. NO DREDGING WILL BE ALLOWED AT LOCATIONS OF MAGNETIC ANOMOLIES OR WITHIN BUFFER DISTANCES INDICATED:

MAGNETIC ANOMALY POINT (MAP)	EASTING (FEET)	NORTHING (FEET)	BUFFER RADIUS (FEET)
MAP #1	820,340	1,279,046	200
MAP #2	819,257	1,278,895	200
MAP #3	819,670	1,278,786	200
MAP #4	819,487	1,277,766	100
MAP #5	819,332	1,275,446	100
MAP #6	817,143	1,273,946	100
MAP #7	814,262	1,272,443	100

NOTE: MAP POINTS INDICATED ON DRAWINGS.

19. THE CONTRACTOR SHALL PROVIDE AS-BUILT SURVEY AND DRAWINGS OF COMPLETED WORK TO THE DISTRICT PROJECT MANAGER.

MATERIALS

GEOTECHNICAL

1. THE RESULTS OF A SUBSURFACE GEOTECHNICAL INVESTIGATION PERFORMED BY LAW ENGINEERING AND ENVIRONMENTAL SERVICES ARE SHOWN IN REPORTS DATED JUNE 7, 2001 AND AUGUST 29, 2001. THE GEOTECHNICAL REPORTS ARE AVAILABLE FROM ST. JOHNS RIVER WATER MANAGEMENT DISTRICT UPON REQUEST.

MANATEES

1. THE CONTRACTOR WILL BE RESPONSIBLE FOR ONGOING OBSERVATION FOR THE PRESENCE OF MANATEES IN THE DREDGING AREA. SEE FDEP AND USACE PERMITS FOR WORK DETAILS REGARDING PROTECTION.

UTILITIES

1. CONTRACTOR SHALL LOCATE ALL UTILITIES IN THE AREA OF CONSTRUCTION PRIOR TO WORK COMMENCING. CONTRACTOR SHALL NOTIFY THE COUNTY OF ALL CONFLICTS WITH EXISTING UTILITIES.

TURBIDITY BARRIERS

1. TURBIDITY BARRIERS TO BE MANUFACTURED AND INSTALLED IN ACCORDANCE WITH FDOT ROADWAY AND TRAFFIC DESIGN STANDARDS INDEX NO. 103. DOUBLE TURBIDITY BARRIERS TO BE USED AROUND ACTIVE DREDGING OPERATIONS.
2. DREDGING AND PLACEMENT OPERATIONS SHALL BE PERFORMED IN A MANNER THAT MAINTAINS TURBIDITY LEVELS IN COMPLIANCE WITH FEDERAL AND STATE WATER QUALITY STANDARDS AND PROJECT PERMITS.
3. THE EXISTING AMBIENT WATER QUALITY WITHIN OUTSTANDING FLORIDA WATERS WILL NOT BE LOWERED AS A RESULT OF THE PROPOSED ACTIVITY OR DISCHARGE. WATER QUALITY WILL BE MAINTAINED PER ALL FEDERAL AND STATE PERMIT REQUIREMENTS.

DISPOSAL PIPELINE

1. A TIGHT DREDGE DISCHARGE PIPELINE SHALL BE MAINTAINED TO PREVENT SPILLING OF DREDGED MATERIAL OR DREDGE WATER OUTSIDE OF THE DISPOSAL AREA.
2. THE CONTRACTOR SHALL PROVIDE AND MAINTAIN NEXTEL DIRECT CONNECT COMMUNICATION BETWEEN DREDGE AND DISPOSAL AREA AND BETWEEN DREDGE AND THE DISTRICT'S REPRESENTATIVE.
3. THE PIPELINE SHALL BE INSPECTED TWICE DAILY FOR LEAKS AND REPAIRED IMMEDIATELY.
4. THE CONTRACTOR SHALL MAINTAIN BARRICADES AND WARNING SIGNALS AS REQUIRED BY LOCAL, STATE AND FEDERAL REGULATIONS.
5. THE LOCATION OF THE PIPELINE SHALL BE MARKED BY SIGNS, BUOYS, LIGHTS AND/OR FLAGS, IN ACCORDINANCE WITH U.S COAST GUARD LOCAL, STATE, AND FEDERAL REGULATIONS.
6. ACCESS TO JEEP TRAIL AND FIRE BREAKS SHALL BE MAINTAINED. MOUNDOVERS SHALL BE CONSTRUCTED AS NECESSARY TO MAINTAIN TRAFFIC ACCESS.
7. WILDLIFE CROSSINGS SHALL BE CONSTRUCTED AT 500' INTERVALS ALONG OVERLAND DISPOSAL PIPELINES. CROSSINGS SHALL PROVIDE A MINIMUM OF 1' CLEARENCE UNDER THE PIPELINE.

NOTIFICATION

1. CONTRACTOR SHALL NOTIFY THE USCG, AND THE DISTRICT OF TIME OF OPERATIONS, RADIO FREQUENCIES, AND NEXTEL DIRECT CONNECT NUMBER PRIOR TO COMMENCEMENT OF DREDGING, IN ACCORDANCE WITH THIS SPECIFICATION.

USCG MARINE SAFETY OFFICE – MIAMI (305) 535–8701 ext 4725
ST. JOHNS RIVER WATER MANAGEMENT DISTRICT (321) 676–6610

SIGNAL LIGHTS

1. THE CONTRACTOR SHALL DISPLAY SIGNAL LIGHTS AND CONDUCT OPERATIONS IN ACCORDANCE WITH THE GENERAL REGULATIONS OF THE U.S. COAST GUARD GOVERNING LIGHTS AND DAY SIGNALS. LIGHTS SHALL BE DISPLAYED ON DREDGE PIPELINES AND VESSELS MOORED OR ANCHORED IN A FAIRWAY OR CHANNEL AND OTHER VESSELS OR FLOATING PLANT WORKING IN NAVIGABLE WATERWAYS.

MAINTENANCE OF MARINE TRAFFIC

1. THE NAVIGABILITY OF THE SEBASTIAN RIVER SHALL BE MAINTAINED THROUGHOUT THE PROJECT.

PROTECTION OF WATERWAYS

1. THE CONTRACTOR SHALL CONDUCT OPERATIONS SUCH THAT MATERIAL AND OTHER DEBRIS ARE NOT PUSHED OUTSIDE OF DREDGING LIMITS OR OTHERWISE DEPOSITED IN EXISTING SIDE CHANNELS, BASINS, DOCKING AREAS OR OTHER AREAS UTILIZED BY VESSELS.
2. THE CONTRACTOR SHALL REMOVE ANY BOTTOM MATERIAL OR DEBRIS THAT IS PUSHED INTO THE AREAS DESCRIBED ABOVE.

ESTIMATED DREDGING VOLUMES		
SEGMENT NUMBER	SEGMENT LIMITS	ESTIMATED MAXIMUM SEGMENT DREDGE VOLUME (C.Y.)
1	198+50 (M) TO 213+80± (M)	88,228
2	184+50 (M) TO 198+50 (M)	244,049
3	171+50 (M) TO 184+50 (M)	267,896
4	157+50 (M) TO 171+50 (M)	289,968
5	145+00 (M) TO 157+50 (M)	154,254
6	132+50 (M) & 130+50 (C) TO 145+00 (M)	180,683
7	84+50 (C) TO 130+50 (C)	171,384
8	28+65± (C) TO 84+50 (C)	212,987
9	19+05± (M) TO 132+50 (M)	232,656
TOTALS		1,842,034

(M) = MAIN CHANNEL AND SOUTH PRONG OF SEBASTIAN RIVER
(C) = C–54 CANAL CHANNEL

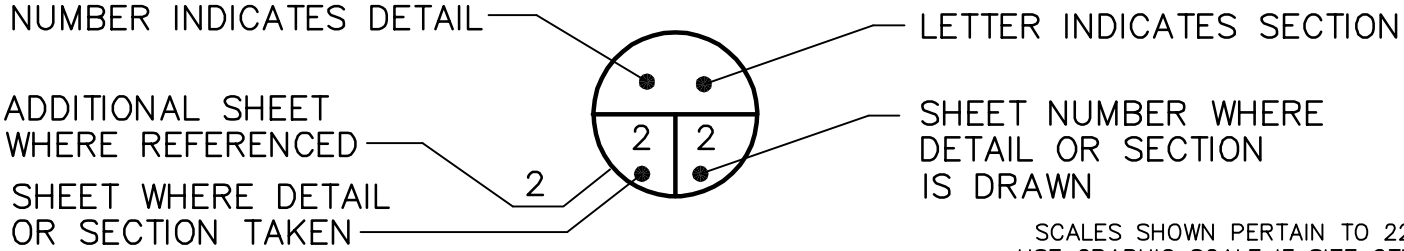
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ABBREVIATIONS

ATON = AID–TO–NAVIGATION
C.Y. = CUBIC YARDS
DBN = DAYBEACON
DMCA = DREDGE MATERIAL CONTAINMENT AREA
E = EAST
EL = ELEVATION
EXIST. = EXISTING
FDOT = FLORIDA DEPARTMENT OF TRANSPORTATION
FDEP = FLORIDA DEPARTMENT OF ENVIRONMENTAL PROTECTION
FT = FEET OR FOOT
LG = LONG
MHW = MEAN HIGH WATER
MIN = MINIMUM
MLW = MEAN LOW WATER
N = NORTH
NIC = NOT IN CONTRACT
NTS = NOT TO SCALE

NGVD = NATIONAL GEODETIC VERTICAL DATUM
NO. = NUMBER
SDR = STANDARD DIMENSION RATIO
SJRWMD = ST. JOHNS RIVER WATER MANAGEMENT DISTRICT
TBR = TO BE REMOVED
TYP = TYPICAL
UON = UNLESS OTHERWISE NOTED
USACE = UNITED STATES ARMY CORPS OF ENGINEERS
USCG = UNITED STATES COAST GUARD
W = WEST
W/ = WITH
" = SECONDS OR INCH
' = MINUTES OR FEET
= NUMBER OR POUNDS
℄ = CENTERLINE
ø = DIAMETER OR PHASE
o = DEGREES



SCALES SHOWN PERTAIN TO 22"x34" DRAWING
USE GRAPHIC SCALE IF SIZE OTHER THAN NOTED

ST JOHNS RIVER WATER MANAGEMENT DISTRICT
SEBASTIAN RIVER MUCK REMOVAL
SEBASTIAN, FLORIDA

**GENERAL NOTES AND INDEX OF DRAWINGS**

**MOFFATT & NICHOL**
1509 W. SWANN AVE. SUITE 225
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DR
SUBMITTED BY
4642–04

CHK
MP
TITLE

DSGN
JOB NO.

100% SUBMITTAL DRAWINGS
NOT TO BE USED FOR CONSTRUCTION

DATE JUNE 2005

SHEET 2 OF 67

**G2**

DMCA DREDGE PIPELINE ALIGNMENT CONTROL POINTS																
STATION	NORTHING	EASTING	EXISTING GROUND ELEVATION	SWEEP BENDS		STATION	NORTHING	EASTING	EXISTING GROUND ELEVATION	SWEEP BENDS		STATION	NORTHING	EASTING	EXISTING GROUND ELEVATION	SWEEP BENDS
12+00	1284187.86	804871.51	—			81+24.32	1279544.11	808002.00	21.32			148+03.44	1273394.25	809092.54	16.34	22.5'
13+78.98	1284184.03	805050.44	—	90°		82+24.14	1279473.40	808072.46	21.15			149+03.16	1273299.38	809123.29	16.44	
15+34.34	1284026.35	805047.08	—	45°		83+24.14	1279401.22	808141.68	21.12			149+88.26	1273219.19	809151.77	16.26	22.5'
16+14	1283970.76	805104.52	23.69			84+23.73	1279330.69	808211.99	21.07			150+02.93	1273207.87	809161.10	16.39	
17+14.25	1283901.05	805176.57	23.83			85+23.45	1279259.28	808281.60	21.32			151+02.98	1273140.45	809235.03	15.52	
18+13.70	1283830.67	805246.83	23.92			86+23.46	1279192.78	808356.29	21.22			152+02.06	1273072.35	809306.98	15.70	22.5'
19+13.61	1283759.92	805317.37	23.74			87+23.60	1279123.55	808428.66	20.74			153+01.34	1273024.03	809393.71	16.64	
20+12.74	1283689.54	805387.17	23.21			88+23.78	1279053.97	808500.72	20.85			153+89.56	1272980.97	809470.98	—	45°
21+12.77	1283619.18	805458.28	23.39			89+23.63	1278981.45	808569.36	20.26							
22+12.02	1283548.21	805527.67	23.04			90+23.29	1278900.13	808626.97	20.27	22.5'						
23+11.53	1283478.21	805598.39	22.41			91+19.79	1278804.78	808641.80	20.59							
24+11.65	1283407.21	805668.98	22.14			92+19.73	1278710.00	808673.52	20.63							
25+11.04	1283336.22	805738.54	21.86			93+19.59	1278612.71	808696.02	20.64							
26+12.09	1283264.27	805809.49	20.74			94+19.24	1278517.18	808724.37	21.05							
27+12.70	1283191.79	805879.27	19.47			95+18.98	1278420.79	808750.02	20.90							
28+12.35	1283121.62	805950.02	18.20			96+18.64	1278324.49	808775.66	20.73							
29+11.94	1283051.93	806021.17	17.65			97+18.55	1278227.34	808798.96	20.84							
30+13.43	1282984.10	806096.66	17.41			98+18.40	1278131.94	808828.48	20.87							
31+13.01	1282916.94	806170.19	16.60			99+18.12	1278042.44	808872.44	20.81							
33+13.54	1282771.92	806308.69	19.17			100+17.93	1277946.79	808900.96	20.82							
34+13.22	1282698.03	806375.59	18.08			101+17.85	1277847.67	808913.52	20.78							
35+12.91	1282625.70	806444.19	18.67			102+17.95	1277751.00	808939.53	20.72							
36+12.73	1282553.88	806513.52	20.01			104+17.82	1277556.65	808986.16	20.83							
37+12.62	1282482.10	806582.98	21.04			105+17.88	1277459.04	809008.19	20.68							
38+12.81	1282411.61	806654.18	22.31			106+17.66	1277362.76	809034.35	20.80							
39+12.77	1282340.72	806724.66	23.17			107+17.65	1277264.00	809050.01	20.62							
40+12.82	1282269.26	806794.69	23.10			108+17.34	1277168.60	809078.92	20.68							
41+12.75	1282198.56	806865.31	23.05			109+17.53	1277075.93	809117.03	21.94							
42+13.07	1282126.78	806935.39	23.20			110+17.02	1276982.94	809152.41	21.44							
43+12.82	1282056.92	807006.59	23.32			111+16.86	1276890.48	809190.07	21.00							
44+13.14	1281986.82	807078.36	23.52			112+16.82	1276797.69	809227.24	20.82							
45+13.42	1281915.42	807148.77	23.32			113+16.72	1276707.46	809270.13	21.05							
46+13.43	1281844.60	807219.38	23.15			114+16.32	1276612.03	809298.64	21.67	22.5'						
47+13.86	1281772.79	807289.59	23.34			115+16.48	1276512.49	809309.73	21.59							
48+14.39	1281702.82	807361.78	23.07			116+16.21	1276412.96	809316.09	21.83							
49+14.44	1281632.05	807432.50	23.19			117+16.42	1276312.89	809310.83	21.61							
50+14.76	1281560.32	807502.63	22.50			118+15.94	1276213.42	809307.56	21.82							
51+17.81	1281487.81	807575.86	23.13			119+15.68	1276114.07	809316.35	21.04							
52+14.97	1281419.22	807644.67	22.20			120+15.55	1276015.40	809331.77	21.08							
53+14.95	1281348.63	807715.48	21.97			121+15.36	1275915.68	809336.13	21.03							
54+15.33	1281277.11	807785.92	21.46			122+15.36	1275816.28	809346.98	20.65	22.5'						
55+15.55	1281206.97	807857.49	21.68			123+13.62	1275720.27	809326.06	20.29	22.5'						
56+15.55	1281136.58	807928.53	21.22			124+13.50	1275635.74	809272.85	19.93							
57+15.67	1281065.09	807998.62	21.45			125+13.50	1275549.32	809222.54	20.40							
58+15.91	1280995.16	808070.43	22.12			126+13.58	1275463.53	809171.00	20.35							
59+16.15	1280923.98	808141.02	21.97			127+13.44	1275376.14	809122.66	19.44							
60+16.17	1280852.53	808211.00	21.98			128+13.63	1275283.86	809083.67	19.42							
61+16.40	1280779.62	808279.77	21.87			129+13.34	1275190.68	809048.18	19.70							
62+16.60	1280709.06	808350.92	21.59			130+13	1275097.40	809013.08	20.12							
63+15.54	1280638.89	808422.34	20.94	90°		130+51.51	1275060.94	809000.70	20.40	22.5'						
64+92.46	1280511.84	808297.50	—	45°		131+11.75	1275000.69	809000.94	20.21							
65+26.98	1280505.98	808263.39	18.60			132+06.73	1274907.79	808981.18	20.37							
66+27.29	1280488.98	808164.53	18.88			133+10.16	1274805.55	808965.58	20.56							
67+27.56	1280470.39	808066.00	19.02			134+09.61	1274709.28	808940.62	20.53							
68+27.55	1280450.09	807968.10	19.21			135+08.94	1274613.49	808914.33	20.54							
69+27.64	1280431.91	807869.66	19.71	22.5'		136+08.52	1274522.36	808874.20	20.40							
70+26.91	1280386.25	807781.53	20.55			137+08.60	1274436.31	808823.08	20.17	22.5'						
71+27.04	1280317.85	807708.40	21.08			138+06.27	1274338.65	808821.97	20.02	22.5'						
72+27.17	1280246.03	807638.62	21.27			139+06.07	1274248.19	808864.12	19.73							
73+26.83	1280174.15	807569.59	21.05	22.5'		140+05.94	1274153.92	808897.11	19.81	22.5'						
74+24.80	1280077.24	807555.19	20.70	45°		141+05.56	1274055.00	808908.84	18.98							
75+24.60	1279989.58	807602.88	20.51			142+05.70	1273955.00	808903.60	19.28							
76+24.12	1279908.75	807660.94	21.20			143+05.60	1273857.11	808923.58	19.24							
77+23.96	1279828.91	807720.89	21.24			144+05.75	1273759.27	808944.96	18.96							
78+23.78	1279754.70	807787.65	21.26			145+05.14	1273662.60	808968.05	17.91							
79+24.16	1279683.91	807858.76	21.19			146+04.46	1273566.59	808993.46	17.48	22.5'						
79+23.03	1279683.52	807856.82	21.38			147+04.03	1273478.19	809039.30	16.47							

SOUTH PRONG & MAIN BR		
POINT	PI STATION	NO
M1	0+00.00	
M2	14+17.50	
M3	19+04.19	
M4	29+73.46	
M5	46+39.89	
M6	72+59.39	
M7	105+26.46	
M8	116+53.62	
M9	128+43.09	
M10	140+24.94	
M11	151+89.90	
M12	184+70.86	
M13	198+43.19	
M14	213+08.45	
M15	215+51.47	

C-54 CANAL CR		
POINT	PI STATION	NO
C1	0+00.00	
C2	21+31.65	
C3	47+96.29	
C4	71+82.12	
C5	81+86.24	
C6	87+48.51	
C7	104+58.03	
C8	110+91.74	
C9	117+11.57	
C10	124+85.01	
C11	137+64.98	

SOUTH PRONG & MAIN BRANCH CROSS SECTION				REFERENCE ALIGNMENT	
POINT	PI STATION	NORTHING	EASTING	DISTANCE	DIRECTION
M1	0+00.00	1261414.46	815028.50		
				1417.50	N 00–30–35 W
M2	14+17.50	1262831.90	815015.90		
				486.69	N 20–33–52 E
M3	19+04.19	1263287.58	815186.85		
				1069.27	N 42–23–54 E
M4	29+73.46	1264077.21	815907.84		
				1666.43	N 24–23–13 W
M5	46+39.89	1265594.95	815219.78		
				2619.50	N 10–16–36 W
M6	72+59.39	1268172.43	814752.46		
				3267.06	N 15–13–34 E
M7	105+26.46	1271324.81	815610.49		
				1127.17	N 75–53–55 E
M8	116+53.62	1271599.43	816703.69		
				1189.47	N 46–07–53 E
M9	128+43.09	1272423.74	817561.21		
				1181.85	N 19–06–49 E
M10	140+24.94	1273540.44	817948.20		
				1164.96	N 42–58–36 E
M11	151+89.90	1274392.76	818742.35		
				3280.96	N 16–45–36 E
M12	184+70.86	1277534.35	819688.46		
				1372.33	N 07–05–41 W
M13	198+43.19	1278896.18	819518.97		
				1465.25	N 32–42–40 E
M14	213+08.45	1280129.05	820310.80		
				243.02	N 75–29–04 E
M15	215+51.47	1280189.96	820546.06		

C-54 CANAL CROSS SECTION REFERENCE ALIGNMENT					
POINT	PI STATION	NORTHING	EASTING	DISTANCE	DIRECTION
C1	0+00.00	1271394.85	804999.29		
				2131.65	N 77-36-43 E
C2	21+31.65	1271852.16	807081.31		
				2664.64	N 73-11-45 E
C3	47+96.29	1272622.51	809632.16		
				2385.83	N 77-24-58 E
C4	71+82.12	1273142.30	811960.68		
				1004.12	S 88-58-08 E
C5	81+86.24	1273124.24	812964.63		
				562.28	S 78-52-59 E
C6	87+48.51	1273015.82	813516.36		
				1709.52	S 62-58-11 E
C7	104+58.03	1272238.91	815039.14		
				633.71	S 87-32-56 E
C8	110+91.74	1272211.81	815672.27		
				619.83	N 66-49-30 E
C9	117+11.57	1272455.74	816242.08		
				773.44	N 44-33-33 E
C10	124+85.01	1273006.83	816784.76		
				1279.97	N 65-21-42 E
C11	137+64.98	1273540.44	817948.20		

MOFFATT & NICHOL 1509 W. SWANN, AVE., SUITE 225 TAMPA, FLORIDA 33606 (813) 258-6818				ST JOHNS RIVER WATER MANAGEMENT DISTRICT SEBASTIAN RIVER MUCK REMOVAL SEBASTIAN, FLORIDA ALIGNMENT TABLES			
DSGN	DR	CHK	MP				
	SUBMITTED BY	TITLE					
JOB NO.	4642-04						
100% SUBMITTAL DRAWINGS NOT TO BE USED FOR CONSTRUCTION							
DATE JUNE 2005							
SHEET 3 OF 67							
G3							

DWG. INFO: 464200004.DWG, JUN. 27, 2005 - 04:18 PM, CSABING, (C) MOFFATT AND NICHOL

DREDGING LIMITS CONTROL POINTS															
POINT	NORTHING	EASTING	APPROXIMATE DREDGE ELEVATION	POINT	NORTHING	EASTING	APPROXIMATE DREDGE ELEVATION	POINT	NORTHING	EASTING	APPROXIMATE DREDGE ELEVATION	POINT	NORTHING	EASTING	APPROXIMATE DREDGE ELEVATION
SOUTH PRONG & MAIN CHANNEL CONTROL POINTS				D67	1269378.78	815067.86	-5	D134	1273791.50	819172.79	-4	C-54 CANAL CONTROL POINTS			
D1	1263287.59	815186.86	-6	D68	1269171.26	815045.05	-5	D135	1273973.48	818949.91	-4	D200	1272022.25	807795.98	-10
D2	1263287.59	815217.61	-6	D69	1269390.84	815097.05	-5	D136	1274372.41	818461.34	-9	D201	1272130.06	807763.42	-10
D3	1263788.10	815545.33	-6	D70	NOT USED	NOT USED		D137	1274576.90	818210.90	-9	D202	1272151.28	808260.36	-10
D4	1263753.35	815581.95	-6	D71	1270227.46	815298.85	-5	D138	1273951.79	819292.70	-5	D203	1272393.02	808625.21	-12
D5	1263948.58	815746.24	-6	D72	1270562.21	815415.87	-5	D139	1274761.67	818300.83	-7	D204	1272379.57	809036.12	-12
D6	1263842.44	815693.48	-6	D73	1270314.30	815216.75	-5	D140	1274757.94	819472.12	-8	D205	1272593.96	809309.75	-14
D7	1264262.44	815818.79	-7	D74	1270600.38	815285.61	-5	D141	1275066.41	818447.83	-8	D206	1272574.52	809646.68	-14
D8	1263700.63	815824.97	-6	D75	1270645.16	815235.10	-5	D142	1275306.89	819594.30	-8	D207	1272672.51	809624.80	-14
D9	1263601.69	815823.73	-6	D76	1270819.84	815283.14	-5	D143	1275505.88	818659.83	-8	D208	1272966.68	811403.44	-18
D10	1263338.25	815720.40	-6	D77	1270800.39	815233.35	-5	D144	1275954.06	818794.80	-8	D209	1273064.28	811381.65	-18
D11	1263287.59	815869.79	-6	D78	1271149.42	815435.28	-6	D145	1276174.40	818756.72	-8	D210	1273046.86	811590.50	-16
D12	1263835.19	815876.66	-6	D79	1270866.85	815137.77	-5	C146	1276107.03	819847.40	-8	D211	1273071.29	811585.20	-16
D13	1264062.10	815959.22	-7	D80	1271380.17	815608.97	-6	D147	1276413.78	818828.81	-8	D212	1273153.12	812066.52	-16
D14	1264782.27	815557.34	-8	D81	1271158.14	815139.63	-6	D148	1276233.00	819949.28	-8	D213	1273178.16	812063.93	-16
D15	1264900.57	815462.69	-8	D82	1271764.57	815780.28	-6	D149	1277036.17	819016.25	-8	D214	1273145.39	812617.79	-16
D16	1264976.30	815329.50	-8	D83	1271685.48	815572.09	-6	D150	1276616.01	820064.62	-8	D215	1273170.35	812620.62	-16
D17	1265256.10	815315.14	-6	D84	1271798.27	815901.44	-6	D151	1277160.76	818949.33	-8	D216	1273081.83	812913.39	-16
D18	1265421.31	815281.72	-6	D85	1271856.98	815828.50	-6	D152	1276917.68	820103.26	-8	D217	1273137.79	812772.03	-16
D19	1265524.25	815228.56	-6	D86	1271678.05	816250.98	-6	D153	1277645.21	819095.23	-8	D218	1273073.38	813223.45	-16
D20	1265591.84	815287.61	-6	D87	1271702.71	816255.07	-6	D154	1277310.00	820361.09	-8	D219	1273097.91	813228.27	-16
D21	1265679.12	815193.28	-6	D88	1271658.08	816371.31	-6	D155	1277693.01	819089.28	-8	D220	1273033.40	813426.89	-16
D22	1265733.31	815262.59	-6	D89	1271575.06	816431.41	-6	D156	1277637.37	820280.27	-8	D221	1273057.26	813435.14	-16
D23	1265843.34	815122.82	-5.5	D90	1271490.97	816406.13	-6	D157	1278286.13	819015.46	-8	D222	1272870.03	813747.12	-16
D24	1265812.13	815284.26	-5.5	D91	1269536.24	815607.93	-5	D158	1278034.31	820230.87	-8	D223	1272916.73	813749.44	-16
D25	1265954.31	815035.17	-5.5	D92	1269529.55	815632.51	-5	D159	1278726.29	819313.38	-8	D224	1272561.88	814218.73	-16
D26	1265875.70	815362.51	-5.5	D93	1270092.62	815648.73	-5	D160	1278443.60	820280.70	-8	D225	1272627.48	814348.67	-16
D27	1266036.42	814980.71	-5.5	D94	1270085.59	815673.28	-5	D161	1278949.23	819285.63	-8	D226	1272321.52	814822.20	-16
D28	1266110.31	815292.78	-5.5	D95	1270650.19	815942.05	-5	D162	1278739.53	819689.62	-8	D227	1272629.63	814483.59	-16
D29	1266150.95	814957.50	-5.5	D96	1270563.23	815924.55	-5	D163	1279023.69	819333.46	-8	D228	1272241.26	814979.52	-16
D30	1266222.72	815126.30	-5.5	D97	1270893.53	816016.18	-6	D164	1278799.20	819682.20	-8	D229	1272346.25	814828.76	-16
D31	1266448.45	814960.91	-6	D98	1270841.51	816170.43	-6	D165	1280324.78	820169.10	-6	D230	1272265.50	814987.02	-16
D32	1266382.67	815107.04	-5.5	D99	1271134.42	816113.70	-6	D166	1278860.81	819674.53	-8	D231	1272228.91	815270.30	-16
D33	1266541.68	814948.75	-6	D100	1271124.57	816370.29	-6	D167	1280365.43	820326.08	-6	D232	1272203.93	815268.53	-16
D34	1266477.58	815050.27	-6	D101	1271381.96	816275.42	-6	D168	1280019.14	820418.48	-6	D233	1272223.77	815668.64	-16
D35	1266796.20	814905.85	-6	D102	1271305.99	816659.55	-6					D234	1272198.73	815671.80	-16
D36	1266756.59	815021.16	-6	D103	1271654.09	816548.04	-6					D235	1272291.27	815918.15	-16
D37	1266895.20	814958.63	-6	D104	1271541.79	816802.03	-5					D236	1272267.92	815927.58	-16
D38	1266922.41	815017.29	-6	D105	1271718.21	816945.25	-5					D237	1272466.68	816236.04	-16
D39	1266982.99	814960.58	-6	D106	1271621.88	816902.38	-5					D238	1272495.42	816339.88	-16
D40	1267076.65	814970.77	-6	D107	1272174.73	817298.17	-5					D239	1272544.67	816408.43	-16
D41	1267199.98	814899.40	-6	D108	1272119.58	817287.14	-5					D240	1272569.89	816488.98	-16
D42	1267240.40	814947.88	-6	D109	1272206.88	817518.47	-5					D241	1272757.79	816522.64	-16
D43	1267362.70	814886.57	-6	D110	1272467.74	817637.65	-4					D242	1273052.89	816945.15	-14
D44	1267367.16	814911.17	-6	D111	1272837.42	817610.20	-4					D243	1273194.79	816714.82	-14
D45	1267435.20	814860.72	-6	D112	1272710.25	817978.74	-4					D244	1273094.58	817036.05	-12
D46	1267439.66	814885.32	-6	D113	1272919.15	817648.68	-4					D245	1273371.89	817100.97	-10
D47	1267817.81	814770.30	-7	D114	1272802.45	818108.42	-4					D246	1272999.84	817134.51	-4
D48	1267751.06	814854.38	-6	D115	1273013.82	817664.31	-4					D247	1273710.33	817138.70	-10
D49	1267883.97	814801.62	-7	D116	1272839.83	818282.41	-4					D248	1273091.98	817367.29	-4
D50	1268077.13	814876.30	-7	D117	1273109.40	817604.66	-4					D249	1273325.56	817260.16	-10 & -4
D51	1268136.14	814945.94	-7	D118	1273035.39	818647.75	-4					D250	1273136.45	817467.79	-4
D52	1268126.01	815064.80	-7	D119	1273225.42	818543.10	-4								
D53	1268220.01	815174.72	-7	D120	1273804.86	817921.21	-4								
D54	1268305.15	815151.67	-7	D121	1273816.91	817761.59	-4 & -9								
D55	1268248.29	815072.56	-7	D122	1274174.80	817377.48	-9								
D56	1268256.15	814987.63	-7	D123	1273439.91	818606.28	-4								
D57	1268309.81	814939.36	-7	D124	1273780.76	818240.46	-9								
D58	1268474.87	814910.26	-7	D125	1274295.22	817669.12	-9								
D59	1268579.99	814852.90	-6	D126	1273284.41	818919.86	-4								
D60	1268778.04	814955.99	-6	D127	1273513.08	818674.45	-4								
D61	1268784.49	814928.26	-6	D128	1273853.93	818308.63	-9								
D62	1268846.14	815020.48	-6	D129	1274314.34	817814.49	-9								
D63	1269003.35	814926.05	-6	D130	1273650.34	819067.20	-4								
D64	1268945.47	815020.48	-6	D131	1273732.57	818878.96	-4								
D65	1269337.37	815021.32	-5	D132	1274331.77	817947.03	-9								
D66	1269009.22	815091.28	-6	D133	1274468.34	818137.28	-9								

SCALES SHOWN PERTAIN TO 22"x34" DRAWING
USE GRAPHIC SCALE IF SIZE OTHER THAN NOTED

ST JOHNS RIVER WATER MANAGEMENT DISTRICT
SEBASTIAN RIVER MUCK REMOVAL
SEBASTIAN, FLORIDA



MOFFATT & NICHOL
1509 W. SWANN AVE. SUITE 225
TAMPA, FLORIDA 33606
(813)258-8818

DR

DK

CHK

MP

SUBMITTED BY

TITLE

JOB NO. 4642-04

100%
SUBMITTAL
DRAWINGS

NOT TO BE USED
FOR CONSTRUCTION

DATE JUNE 2005

SHEET 4 OF 67



G4

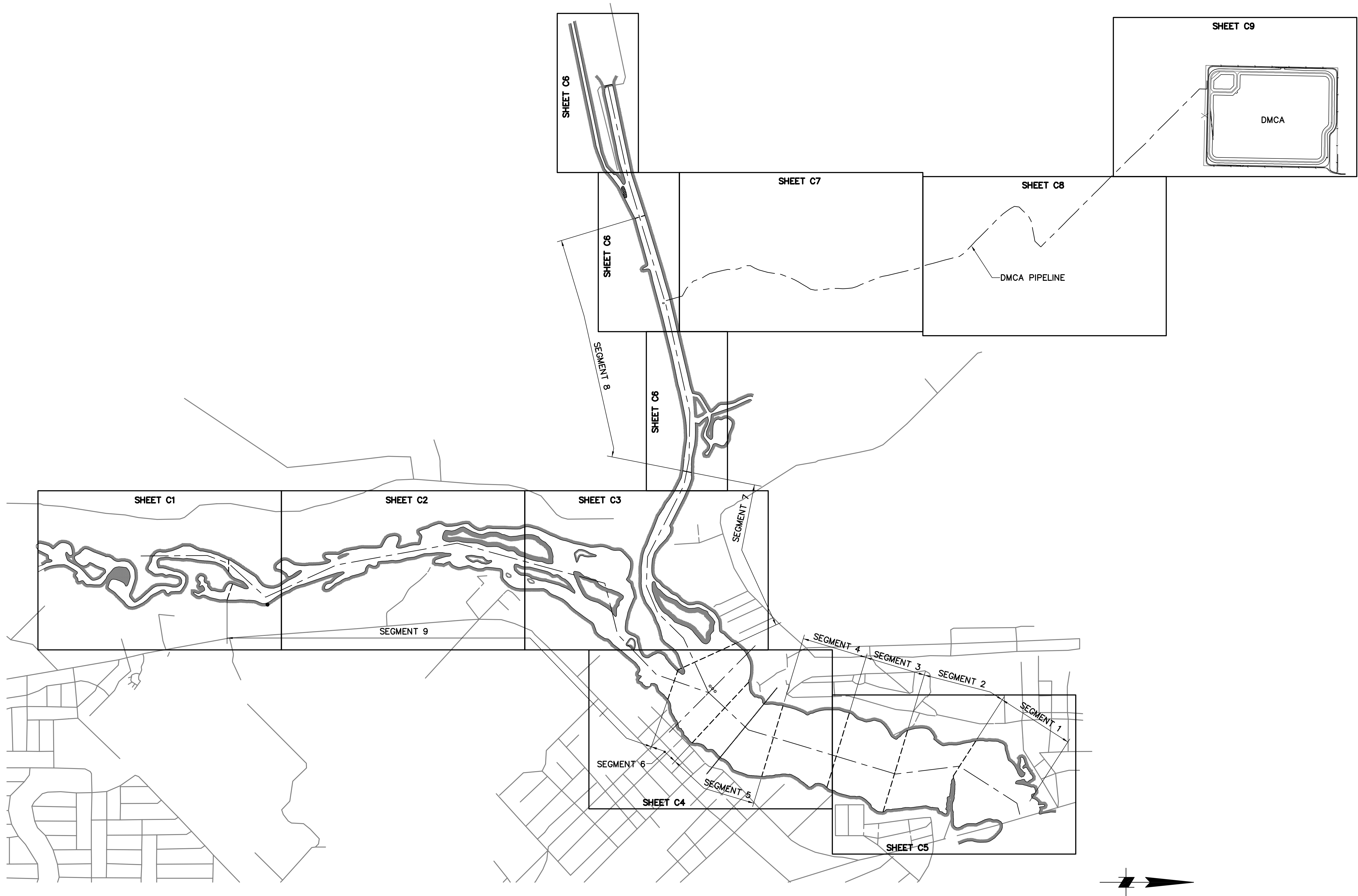
REVISION

DESCRIPTION

BY

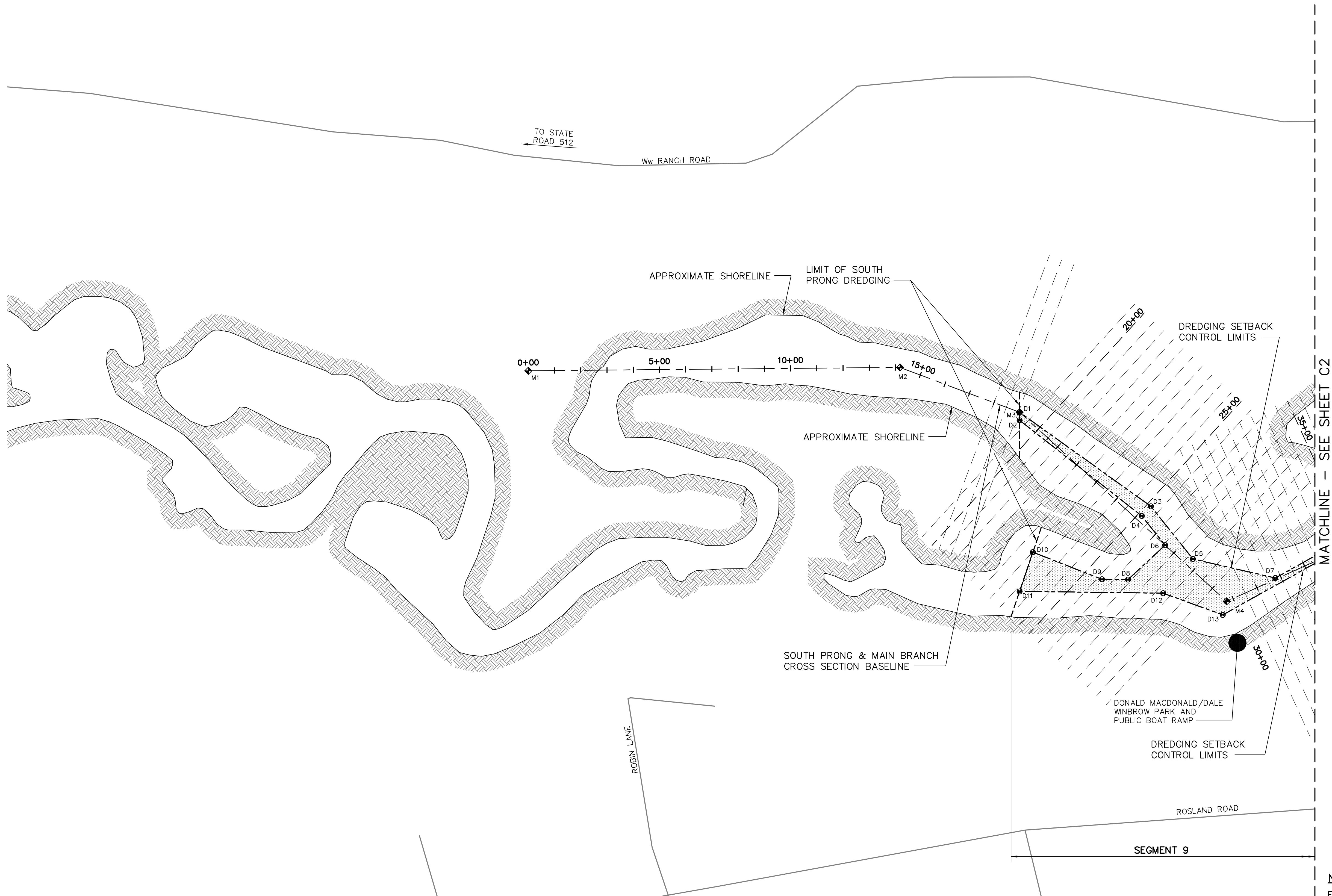
DATE

DWG INFO: 46420000.DWG, JUL 14, 2005 - 02:00 PM, JSMITH, (C) MOFFATT AND NICHOL



ST JOHNS RIVER WATER MANAGEMENT DISTRICT SEBASTIAN RIVER MUCK REMOVAL SEBASTIAN, FLORIDA		DREDGING KEY PLAN		REVISION	DESCRIPTION	BY	DATE
MOFFATT & NICHOL 1509 W. SWANN AVE. SUITE 225 TAMPA, FLORIDA 33606 (813)258-8818		JOB NO. 4642-04		DR	CHK	MP	
100% SUBMITTAL DRAWINGS NOT TO BE USED FOR CONSTRUCTION		DATE JUNE 2005		SHEET 5 OF 67		C0	

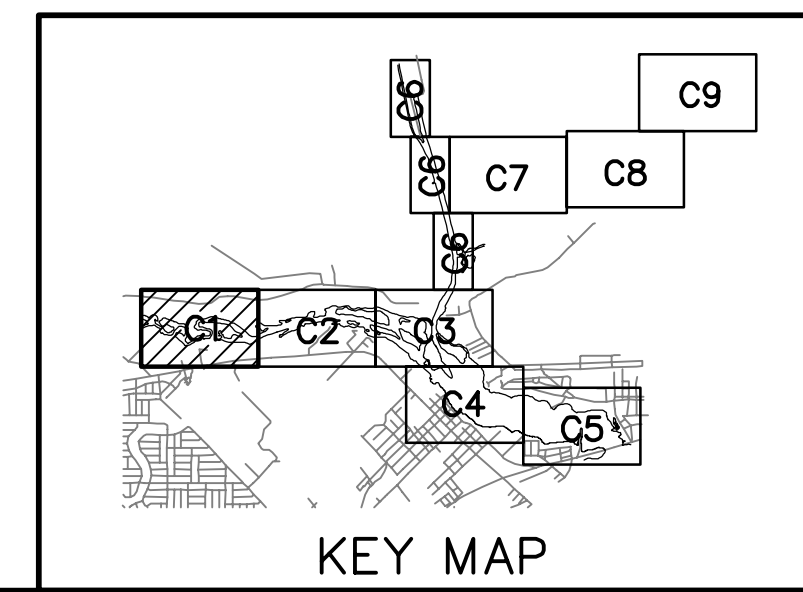
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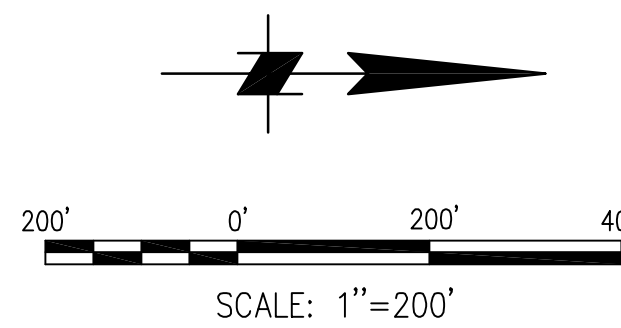
LEGEND

- DREDGING SETBACK LIMIT LINE
- DREDGING SEGMENT LIMIT LINE
- CROSS SECTION BASELINE
- 500' CROSS SECTION LINE
- INTERMEDIATE CROSS SECTION LINE

- M# CROSS SECTION BASELINE CONTROL POINT, SEE TABLE, SHEET G2.
- D# DREDGING SETBACK CONTROL POINT, SEE TABLE, SHEET G3.
- [Hatched Box] DREDGING BOXCUT AREA, SEE CROSS SECTIONS
- [Stippled Box] SHORELINE



NOTE:
FOR DREDGING CROSS SECTIONS,
SEE SHEETS XS1 TO XS3.



SCALES SHOWN PERTAIN TO 22"x34" DRAWING
USE GRAPHIC SCALE IF SIZE OTHER THAN NOTED

MOFFATT & NICHOL 1509 W. SWANN AVE. SUITE 225 TAMPA, FLORIDA 33606 (813)258-8818		JOB NO. 4642-04		SUBMITTED BY		CHK MP	
ST JOHNS RIVER WATER MANAGEMENT DISTRICT SEBASTIAN RIVER MUCK REMOVAL SEBASTIAN, FLORIDA		DREDGE PLAN SHEET 1 OF 6		REVISION		DESCRIPTION	
				BY		DATE	

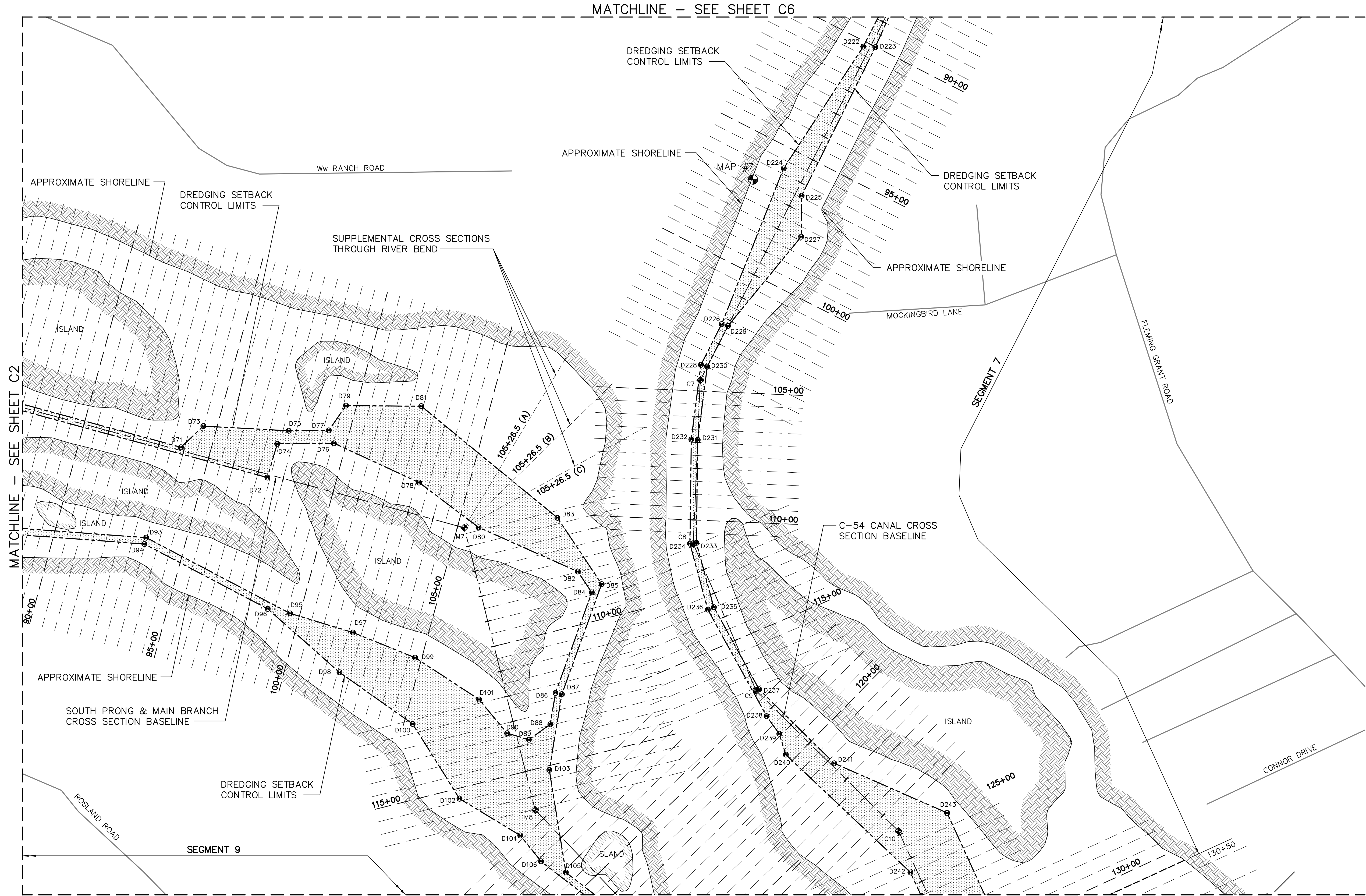
100% SUBMITTAL DRAWINGS
NOT TO BE USED FOR CONSTRUCTION

DATE JUNE 2005

SHEET 6 OF 67

C1

DWG. INFO: 46420003.DWG, JUN. 22, 2005 - 11:20 AM, CSBENG, (C) MOFFATT AND NICHOL



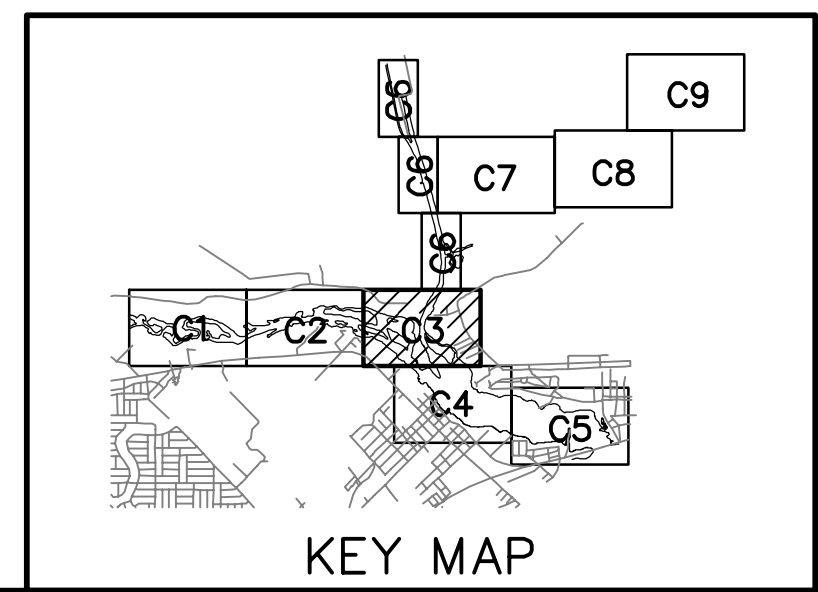
MATCHLINE - SEE SHEET C6

MATCHLINE - SEE SHEET C2

MATCHLINE - SEE SHEET C4

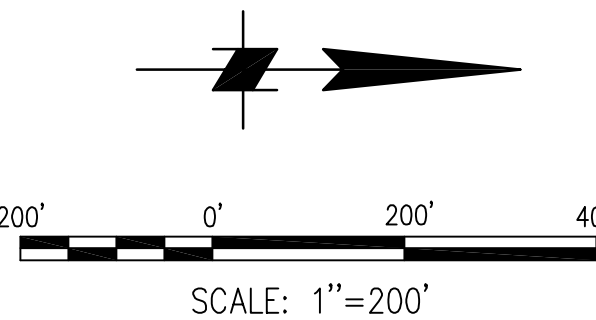
LEGEND

- DREDGING SETBACK LIMIT LINE
- DREDGING SEGMENT LIMIT LINE
- CROSS SECTION BASELINE
- 500' CROSS SECTION LINE
- INTERMEDIATE CROSS SECTION LINE
- M# OR C# CROSS SECTION BASELINE CONTROL POINT, SEE TABLE, SHEET G2.
- D# DREDGING SETBACK CONTROL POINT, SEE TABLE, SHEET G3.
- [Hatched Box] DREDGING BOXCUT AREA, SEE CROSS SECTIONS
- [Hatched Line] SHORELINE



NOTE:

FOR DREDGING CROSS SECTIONS, SEE SHEETS XS11 TO XS19 AND XS44 TO XS49.



SCALES SHOWN PERTAIN TO 22"x34" DRAWING
USE GRAPHIC SCALE IF SIZE OTHER THAN NOTED

ST JOHNS RIVER WATER MANAGEMENT DISTRICT
SEBASTIAN RIVER MUCK REMOVAL
SEBASTIAN, FLORIDA



MOFFATT & NICHOL
1509 W. SWANN AVE. SUITE 225
TAMPA, FLORIDA 33606
(813)258-8818

DSGN	DR	CHK	MP
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DATE JUNE 2005

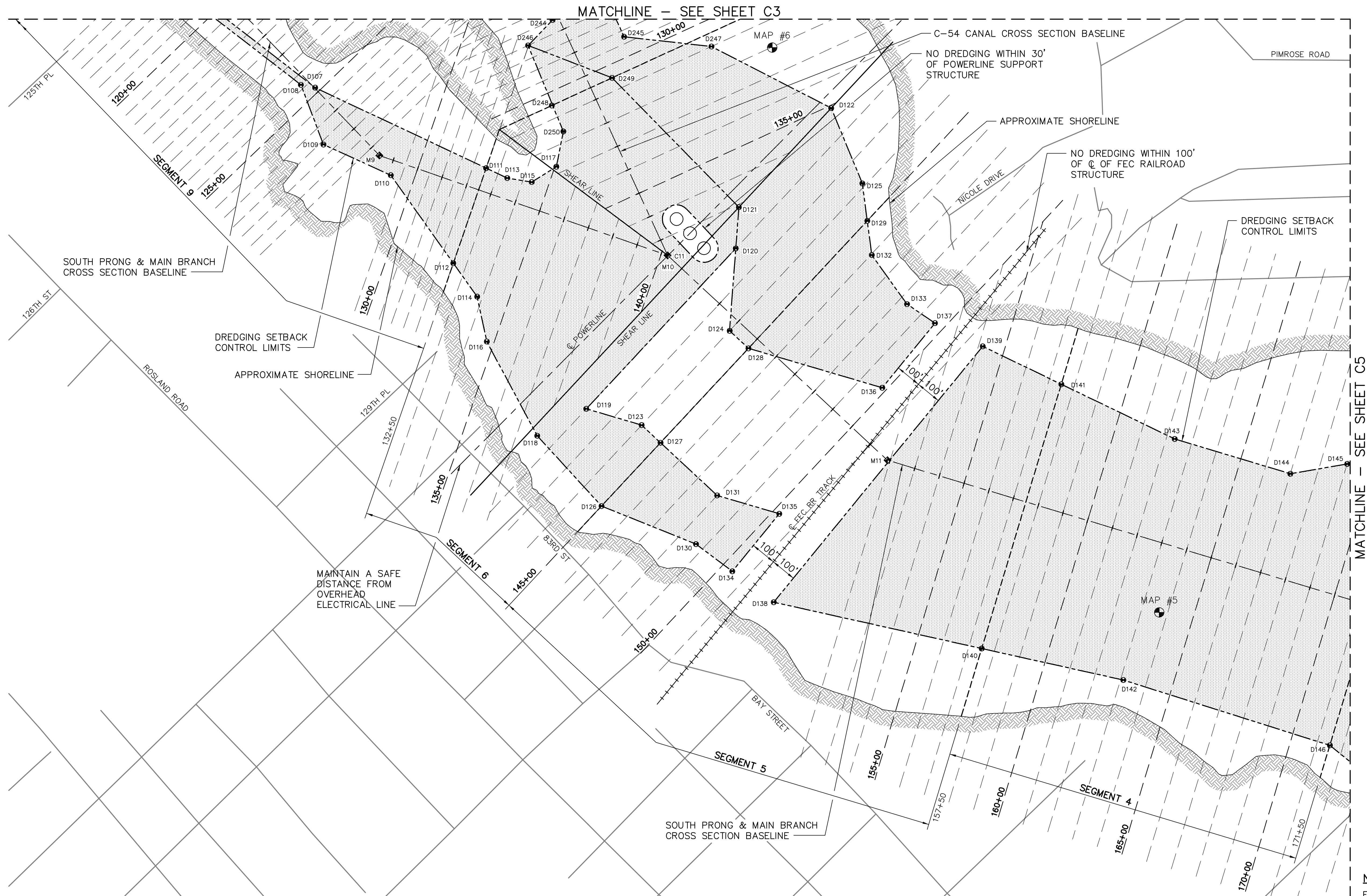
SHEET 8 OF 67



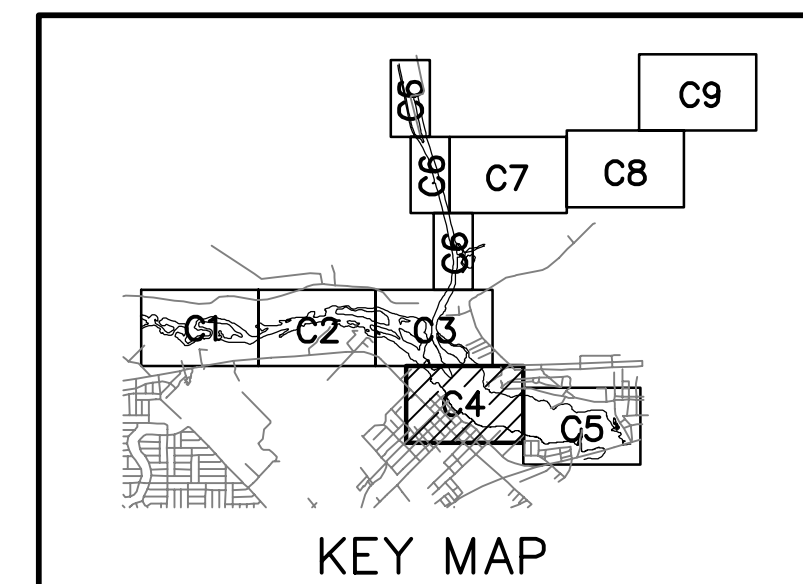
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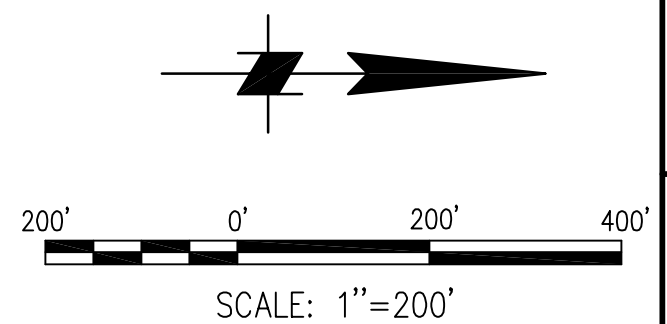
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- LEGEND**
- | | | | |
|-----|---------------------------------|----------|--|
| --- | DREDGING SETBACK LIMIT LINE | M# OR C# | CROSS SECTION BASELINE CONTROL POINT, SEE TABLE, SHEET G2. |
| --- | DREDGING SEGMENT LIMIT LINE | D# | DREDGING SETBACK CONTROL POINT, SEE TABLE, SHEET G3. |
| --- | CROSS SECTION BASELINE | | DREDGING BOXCUT AREA, SEE CROSS SECTIONS |
| --- | 500' CROSS SECTION LINE | | SHORELINE |
| --- | INTERMEDIATE CROSS SECTION LINE | | |



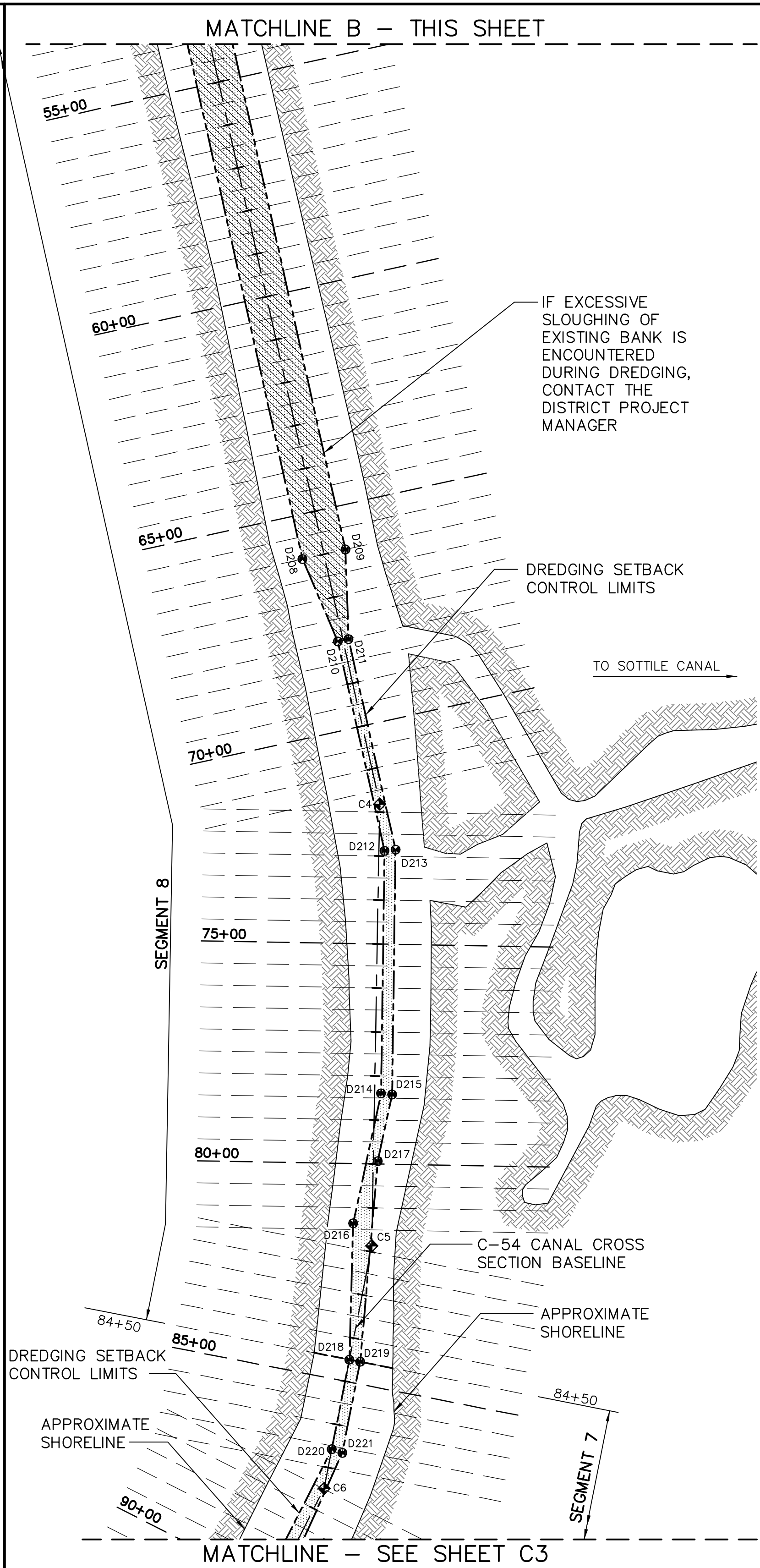
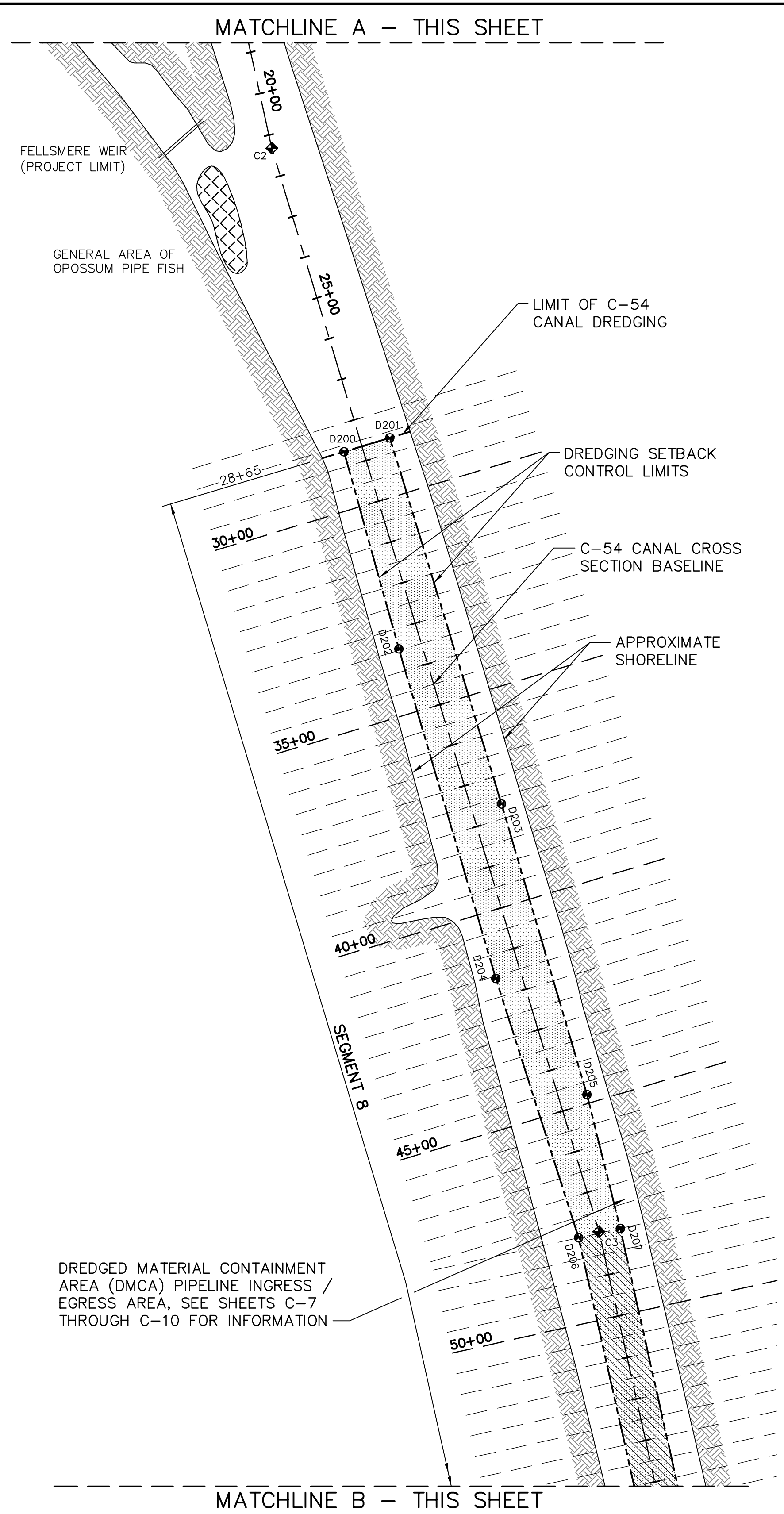
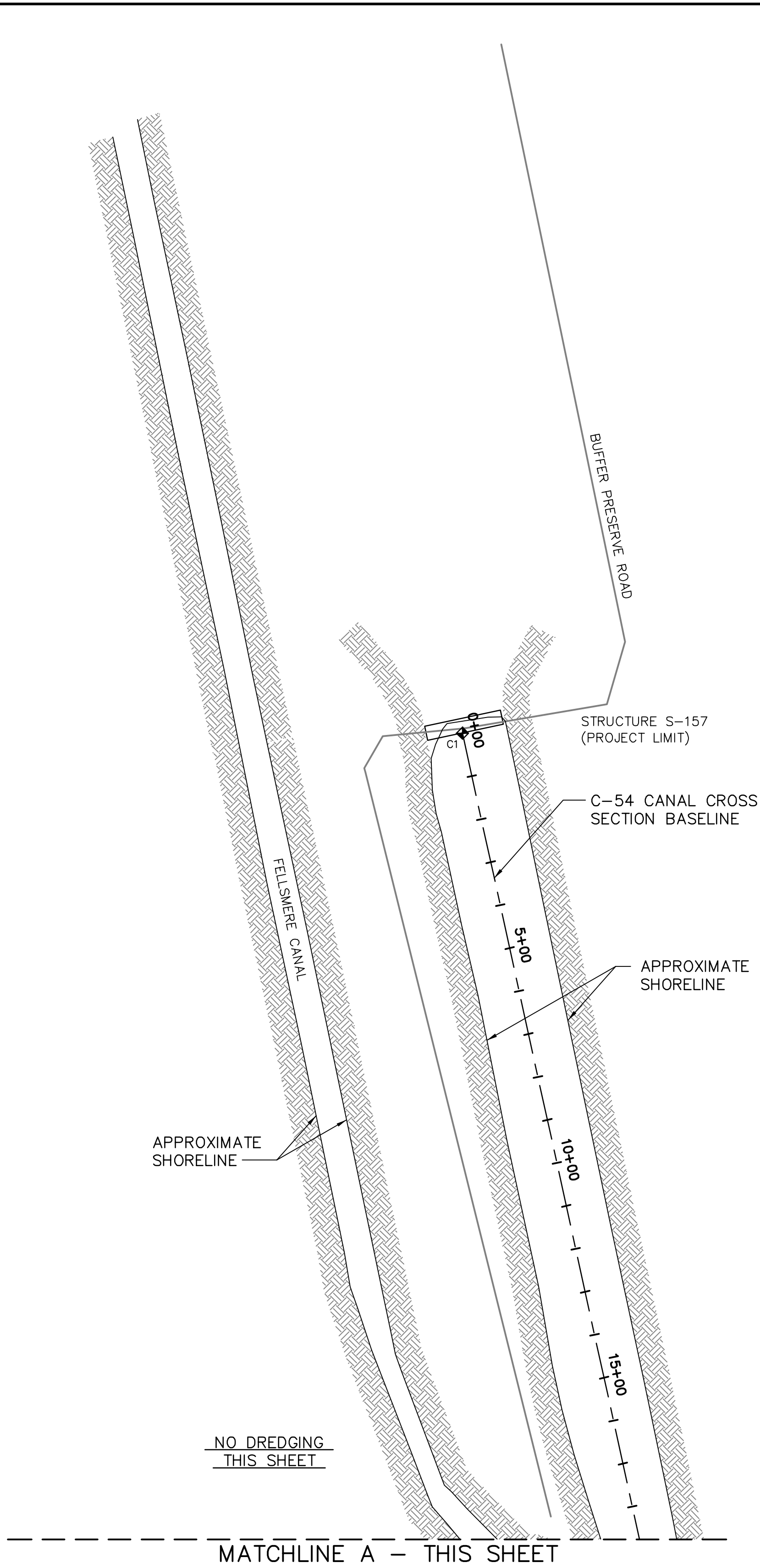
NOTE:
FOR DREDGING CROSS SECTIONS, SEE SHEETS XS19 TO XS28 AND XS49 TO XS51.



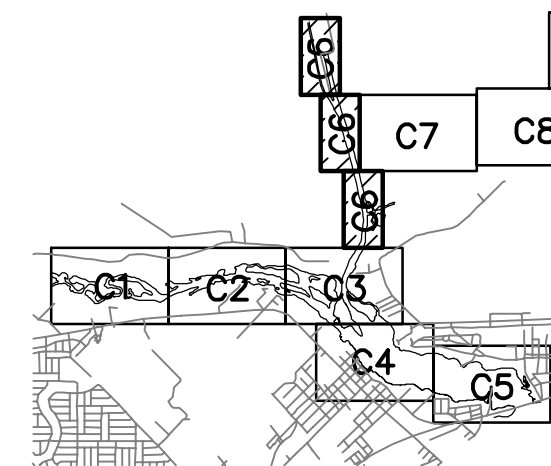
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ST JOHNS RIVER WATER MANAGEMENT DISTRICT SEBASTIAN RIVER MUCK REMOVAL SEBASTIAN, FLORIDA				REVISION	DESCRIPTION	BY	DATE
MOFFATT & NICHOL 1509 W. SWANN AVE. SUITE 225 TAMPA, FLORIDA 33606 (813)258-8818				DREDGE PLAN SHEET 4 OF 6			
DSGN	DR	CHK	MP	TITLE			
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DATE JUNE 2005							
SHEET 9 OF 67							
C4							

DWG. INFO: 464200005.DWG, JUL 15 2005 - 11:30 AM, ASMITA, G. MOFFATT AND NICHOL



- LEGEND**
- | | | | |
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| --- | DREDGING SETBACK LIMIT LINE | C# | CROSS SECTION BASELINE CONTROL POINT, SEE TABLE, SHEET G2. |
| --- | DREDGING SEGMENT LIMIT LINE | D# | DREDGING SETBACK CONTROL POINT, SEE TABLE, SHEET G3. |
| --- | CROSS SECTION BASELINE | | |
| --- | 500' CROSS SECTION LINE | | |
| --- | INTERMEDIATE CROSS SECTION LINE | | |
| | | | DREDGING BOXCUT AREA, SEE CROSS SECTIONS |
| | | | SHORELINE |



KEY MAP

NOTE:
FOR DREDGING CROSS SECTIONS, SEE SHEETS XS37 TO XS44.

200' 0' 200' 400'

SCALE: 1"=200'

SCALES SHOWN PERTAIN TO 22"x34" DRAWING
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ST JOHNS RIVER WATER MANAGEMENT DISTRICT SEBASTIAN RIVER MUCK REMOVAL SEBASTIAN, FLORIDA				REVISION		BY		DATE	
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SHEET 11 OF 67				C6					

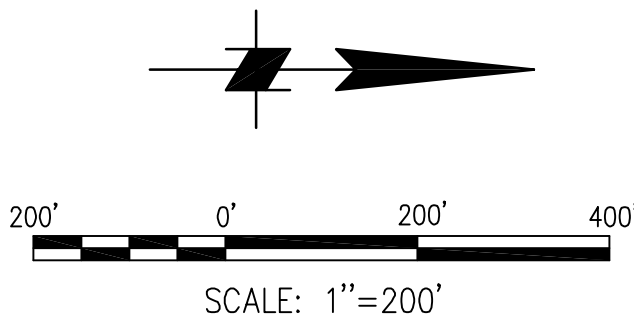
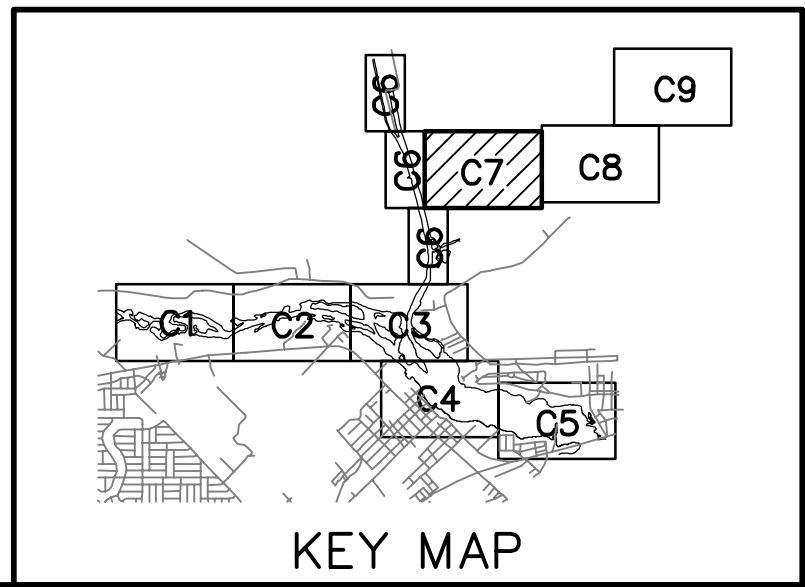
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LEGEND

- DREDGING SETBACK LIMIT LINE
- DREDGING SEGMENT LIMIT LINE
- CROSS SECTION BASELINE
- 500' CROSS SECTION LINE
- INTERMEDIATE CROSS SECTION LINE
- PROPERTY LINE

- CROSS SECTION BASELINE CONTROL POINT, SEE TABLE, SHEET G2.
- DREDGING SETBACK CONTROL POINT, SEE TABLE, SHEET G3.
- DREDGING BOXCUT AREA, SEE CROSS SECTIONS
- TEMPORARY WETLANDS IMPACT AREA

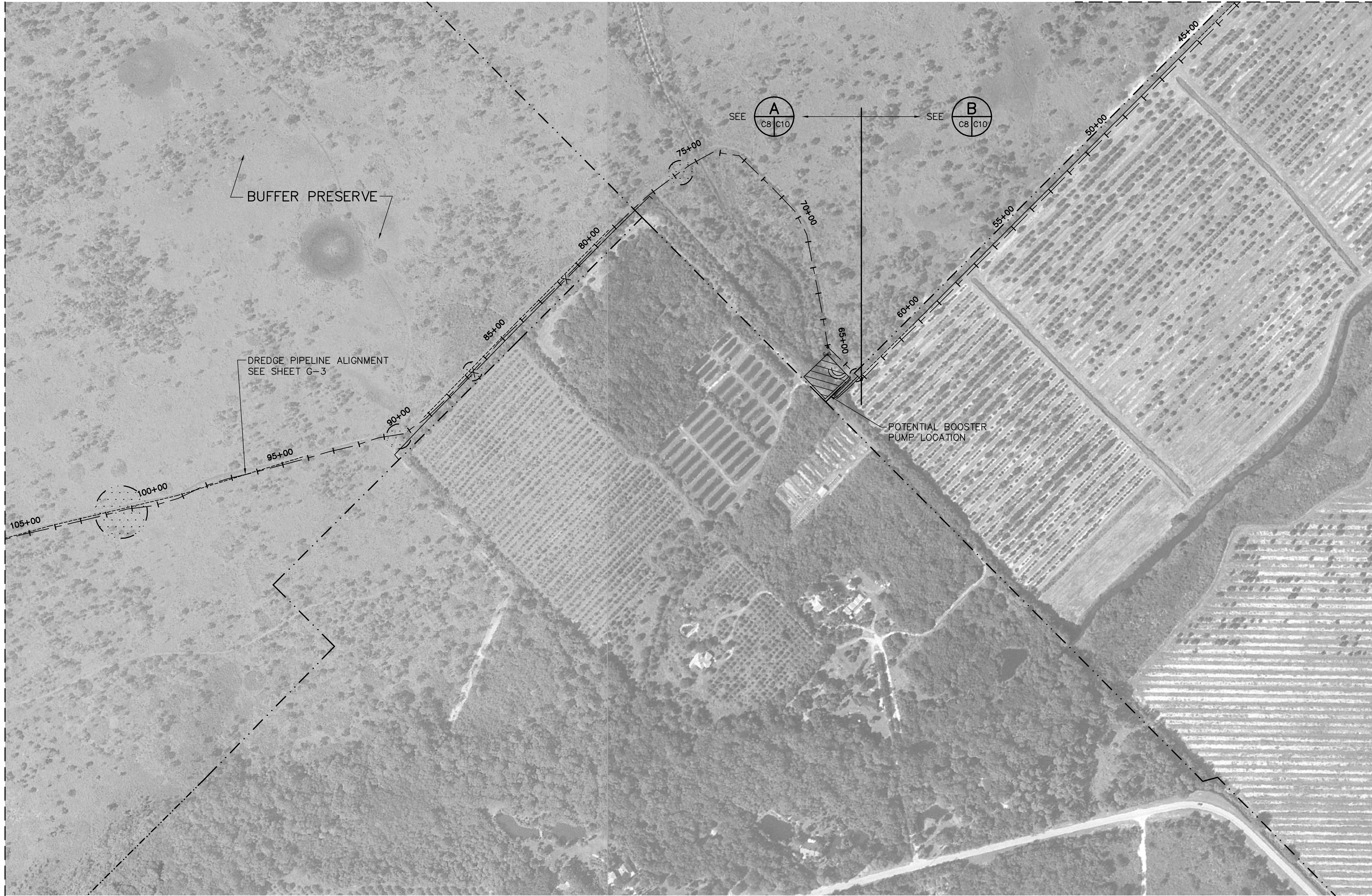


SCALES SHOWN PERTAIN TO 22"x34" DRAWING
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ST JOHNS RIVER WATER MANAGEMENT DISTRICT SEBASTIAN RIVER MUCK REMOVAL SEBASTIAN, FLORIDA		DMCA PIPELINE ACCESS PLAN SHEET 1 OF 3	
MOFFATT & NICHOL 1509 W. SWANN AVE. SUITE 225 TAMPA, FLORIDA 33606 (813)258-8818		JOB NO. 4642-04	
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DATE JUNE 2005			
SHEET 12 OF 67			
C7			
REVISION	DESCRIPTION	BY	DATE

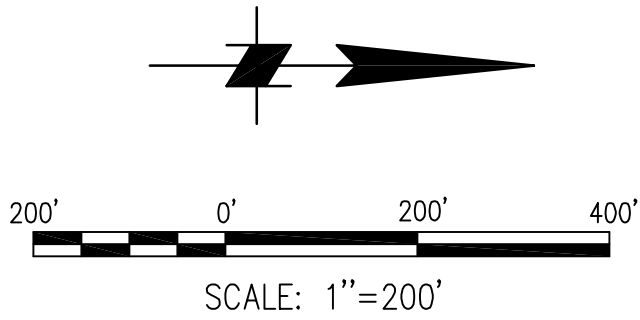
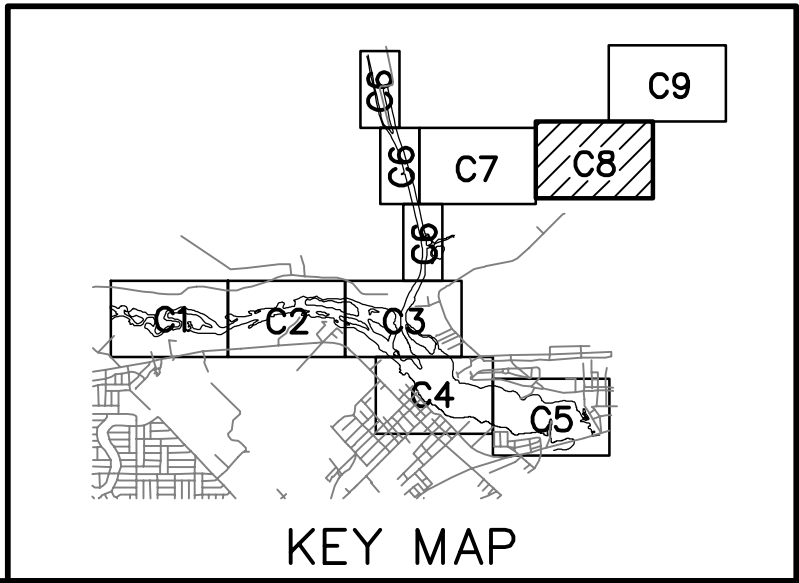
DWG INFO: 464200003.DWG, JUL 18 2005 - 01:02 PM, ARSMITH, (C) MOFFATT AND NICHOL

MATCHLINE - SEE SHEET C7



MATCHLINE - SEE SHEET C9

- LEGEND**
- TEMPORARY WETLANDS IMPACT AREA
 - PROPERTY LINE



SCALES SHOWN PERTAIN TO 22"x34" DRAWING
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		ST JOHNS RIVER WATER MANAGEMENT DISTRICT SEBASTIAN RIVER MUCK REMOVAL SEBASTIAN, FLORIDA	
1509 W. SWANN AVE. SUITE 225 TAMPA, FLORIDA 33606 (813)258-8818		DMCA PIPELINE ACCESS PLAN SHEET 2 OF 3	
DSGN	DR	CHK	MP
JOB NO. 4642-04	SUBMITTED BY	TITLE	
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SHEET 13 OF 67			
C8			
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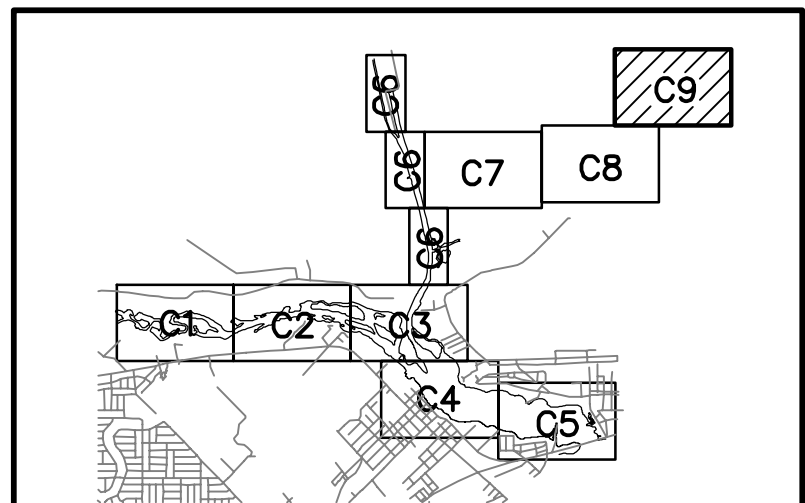
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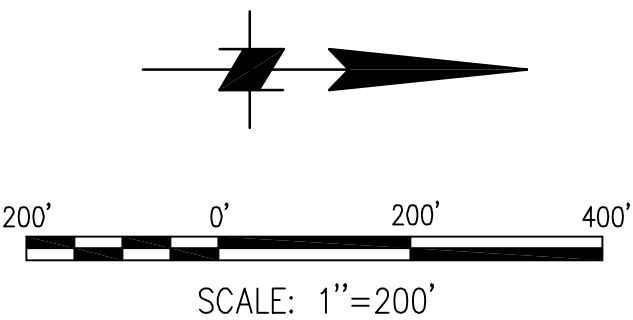
MATCHLINE - SEE SHEET C8

LEGEND

--- PROPERTY LINE

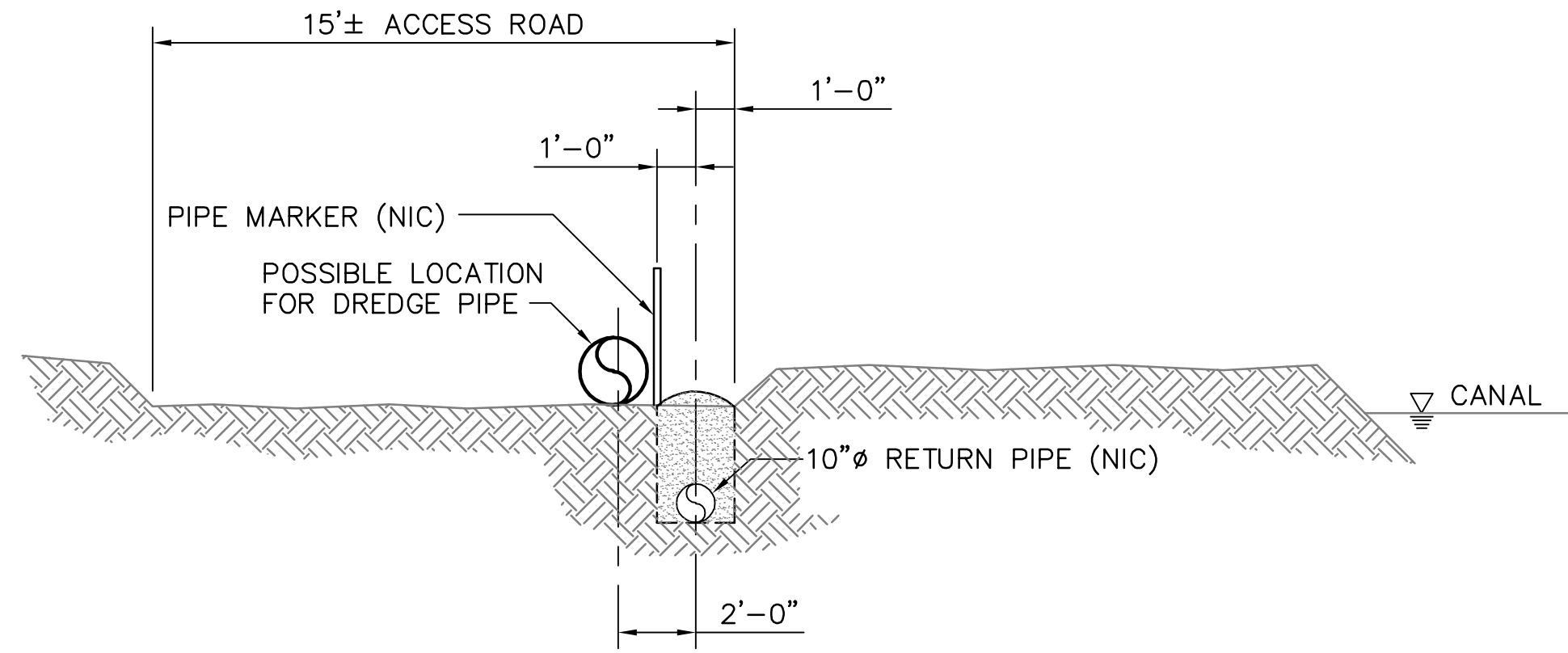


KEY MAP

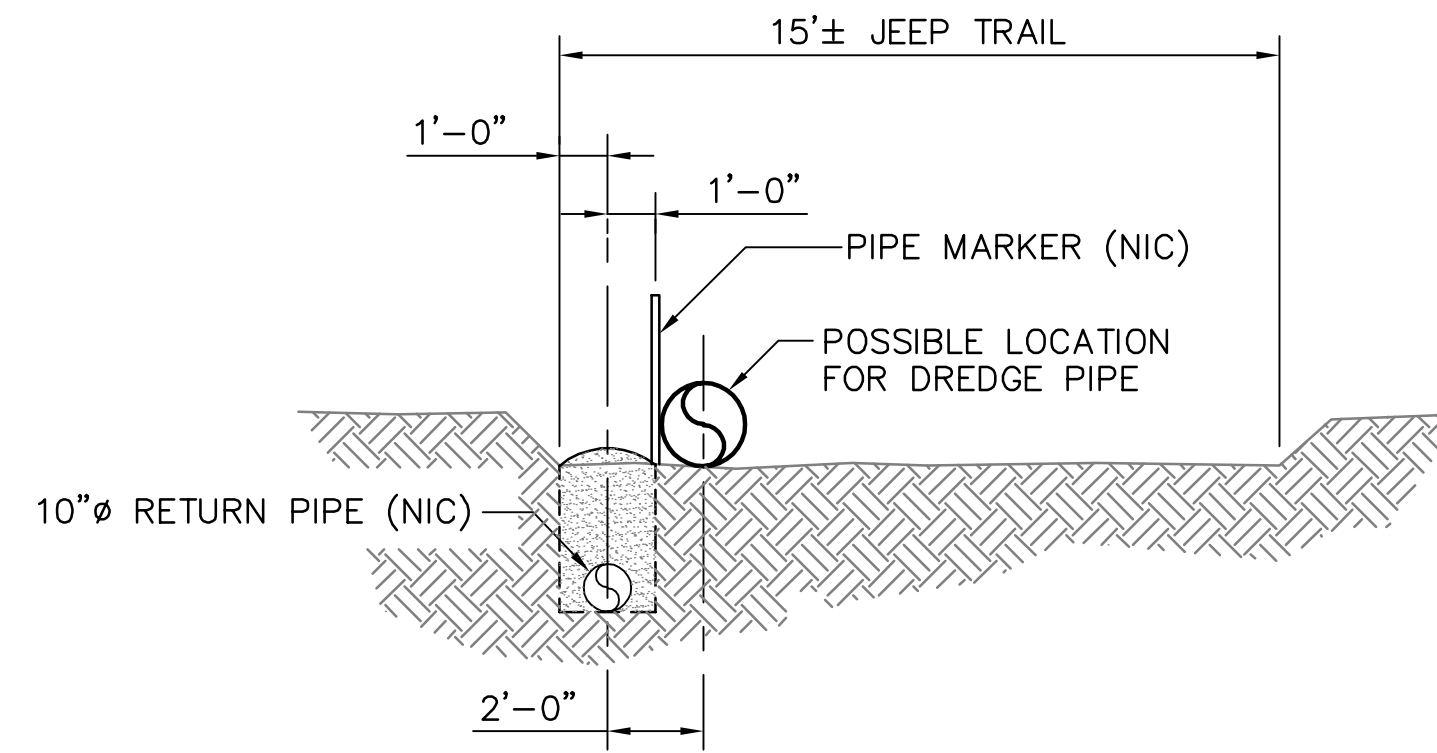


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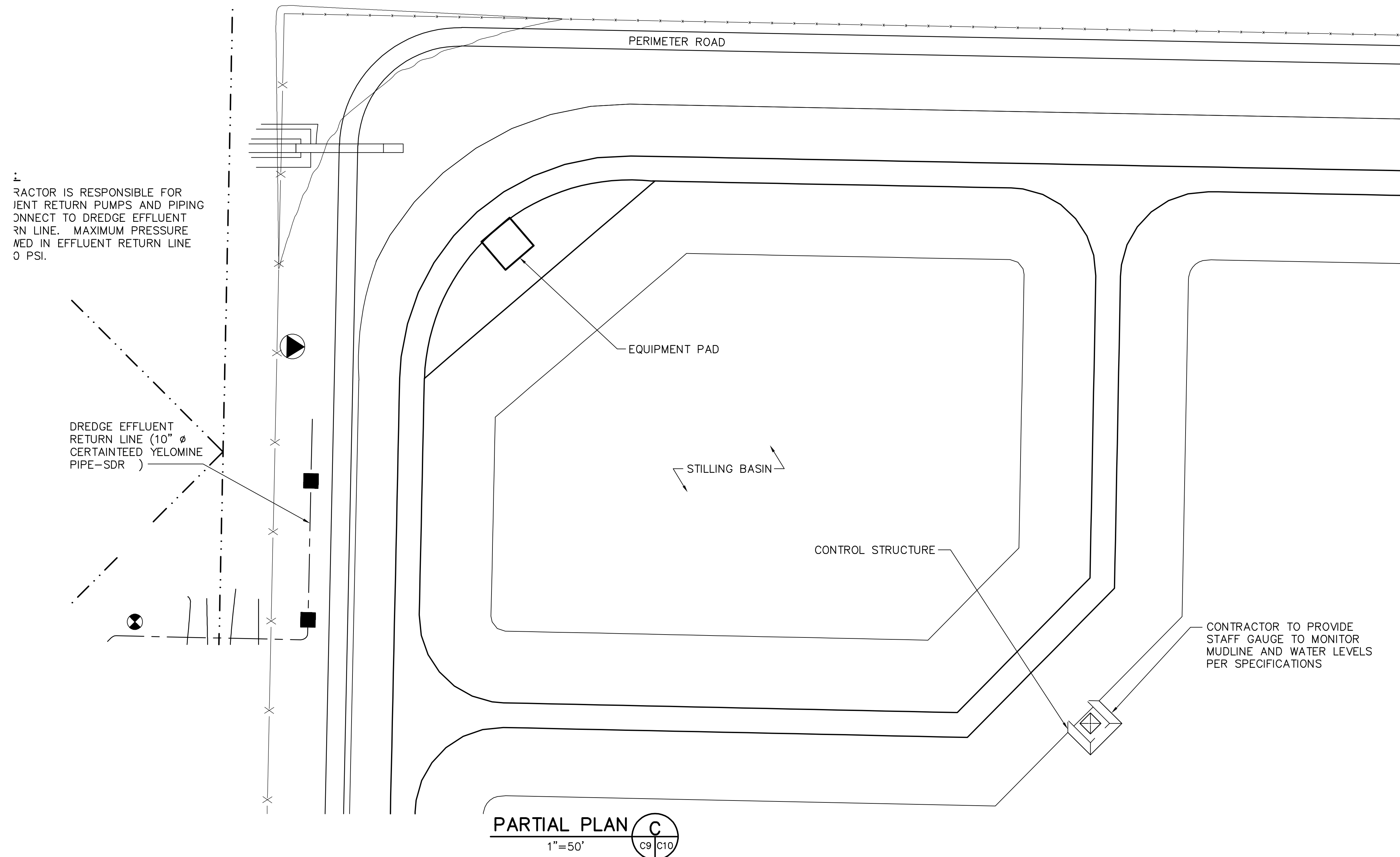
ST JOHNS RIVER WATER MANAGEMENT DISTRICT SEBASTIAN RIVER MUCK REMOVAL SEBASTIAN, FLORIDA		DMCA PIPELINE ACCESS PLAN SHEET 3 OF 3	
MOFFATT & NICHOL 1509 W. SWANN AVE. SUITE 225 TAMPA, FLORIDA 33606 (813)258-8818		100% SUBMITTAL DRAWINGS NOT TO BE USED FOR CONSTRUCTION	
DATE	JUNE 2005	SHEET 14 OF 67	
C9		C9	
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REVISION		DESCRIPTION	
BY		DATE	



TYPICAL SECTION A
1/4"=1'-0" C.. C10



TYPICAL SECTION B
1/4"=1'-0" C.. C10



PARTIAL PLAN C
1"=50' C9 C10

REVISION	DESCRIPTION	BY	DATE

ST JOHNS RIVER WATER MANAGEMENT DISTRICT
SEBASTIAN RIVER MUCK REMOVAL
SEBASTIAN, FLORIDA

DETAILS

MOFFATT & NICHOL 1509 W. SWANN AVE. SUITE 225 TAMPA, FLORIDA 33606 (813)258-8818	DR	CHK	MP
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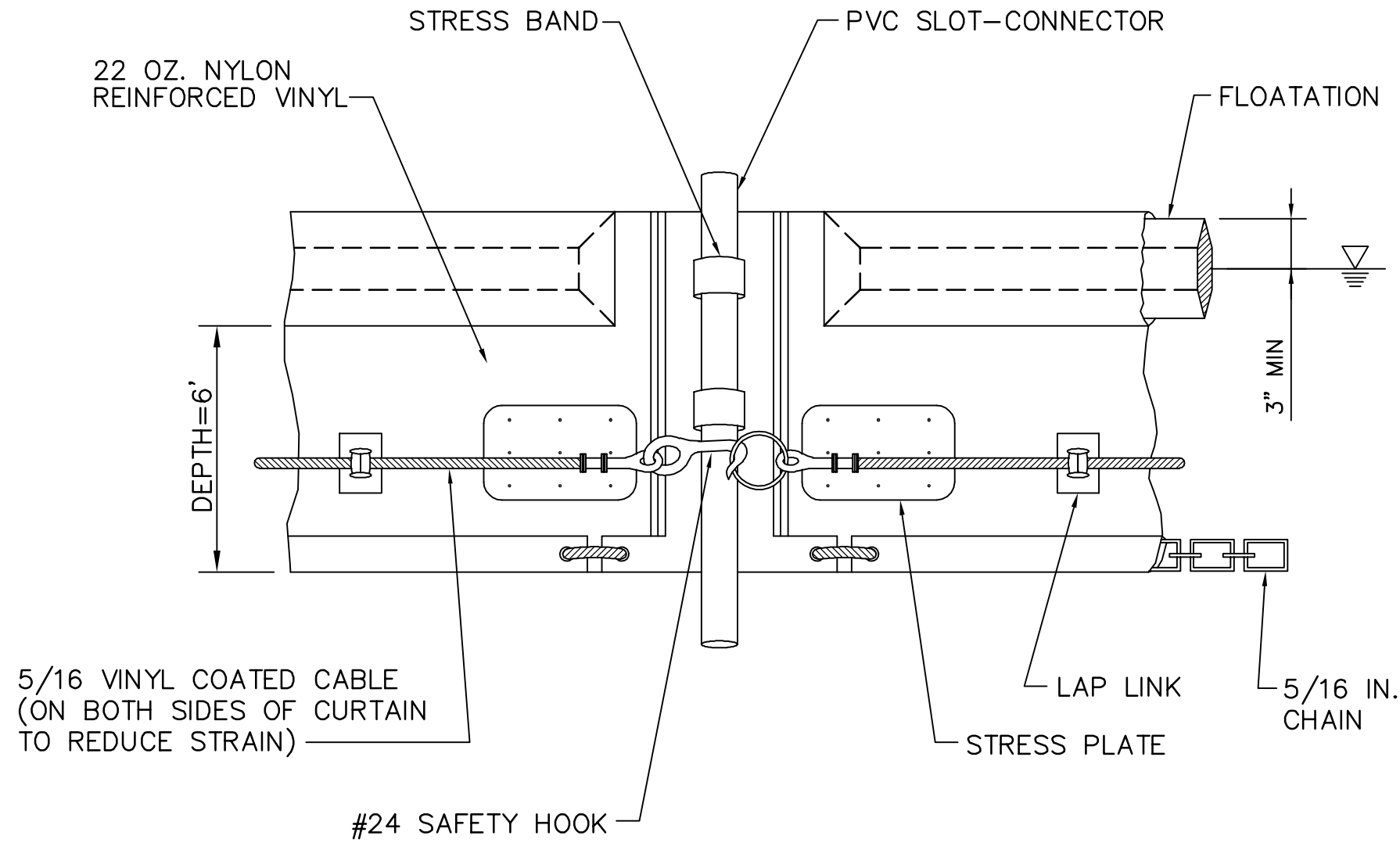
SHEET 15 OF 67



C10

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ORIENTATION TO ACCOMMODATE
6 FT RISE IN WATER LEVEL

MATERIALS

1. BARRIERS SHOULD BE "INTERNATIONAL" ORANGE COLOR TO ATTRACT THE ATTENTION OF NEARBY BOATERS.
2. THE CURTAIN FABRIC MUST MEET THE MINIMUM REQUIREMENTS NOTED IN TABLE I.
3. SEAMS IN THE FABRIC SHALL BE EITHER VULCANIZED WELDED OR SEWN, AND SHALL DEVELOP THE FULL STRENGTH OF THE FABRIC.
4. FLOATATION DEVICES SHALL BE FLEXIBLE, BUOYANT UNITS CONTAINED IN AN INDIVIDUAL FLOATATION SLEEVE OR COLLAR ATTACHED TO THE CURTAIN. BUOYANCY PROVIDED BY THE FLOATATION UNITS SHALL BE SUFFICIENT TO SUPPORT THE WEIGHT OF THE CURTAIN AND MAINTAIN A FREEBOARD OF AT LEAST 3 INCHES ABOVE THE WATER SURFACE LEVEL (SEE FIGURE 1).
5. LOAD LINES MUST BE FABRICATED INTO THE TOP AND BOTTOM OF ALL FLOATING TURBIDITY CURTAINS. THE TOP LOAD LINE SHALL CONSIST OF WOVEN WEBBING OR VINYL-SHEATHED STEEL CABLE AND SHALL HAVE A BREAK STRENGTH IN EXCESS OF 10,000 POUNDS. THE SUPPLEMENTAL (BOTTOM) LOAD-LINE SHALL CONSIST OF A CHAIN INCORPORATED INTO THE BOTTOM HEM OF THE CURTAIN OF SUFFICIENT WEIGHT TO SERVE AS BALLAST TO HOLD THE CURTAIN IN A VERTICAL POSITION. ADDITIONAL ANCHORAGE SHALL BE PROVIDED AS NECESSARY. THE LOAD LINES SHALL HAVE SUITABLE CONNECTING DEVICES WHICH DEVELOP THE FULL BREAKING STRENGTH FOR CONNECTING TO LOAD LINES IN ADJACENT SECTIONS (SEE FIGURE 1).
6. BOTTOM ANCHORS ARE REQUIRED. BOTTOM ANCHORS MUST BE SUFFICIENT TO HOLD THE CURTAIN IN THE SAME POSITION RELATIVE TO THE BOTTOM OF THE WATERCOURSE WITHOUT INTERFERING WITH THE ACTION OF THE CURTAIN. THE ANCHOR MAY DIG INTO THE BOTTOM (GRAPING HOOK, PLOW OR FLUKE-TYPE) OR MAY BE WEIGHTED (MUSHROOM TYPE) AND SHOULD BE ATTACHED TO A FLOATING ANCHOR BUOY VIA AN ANCHOR LINE. THE ANCHOR LINE WOULD THEN RUN FROM THE BUOY TO THE TOP LOAD LINE OF THE CURTAIN. THESE LINES MUST CONTAIN ENOUGH SLACK TO ALLOW THE BUOY AND CURTAIN TO FLOAT FREELY WITH 4' OF WATER SURFACE ELEVATION INCREASE FROM THE NORMAL POOL ELEVATION OF EL 634.0 WITHOUT PULLING THE BUOY OR CURTAIN DOWN. THESE LINES MUST BE CHECKED REGULARLY TO MAKE SURE THEY DO NOT BECOME ENTANGLED WITH DEBRIS. ANCHOR SPACING WILL VARY WITH CURRENT VELOCITY AND POTENTIAL WIND AND WAVE ACTION, THEREFORE THE MANUFACTURER'S RECOMMENDATIONS SHOULD BE FOLLOWED. SEE ORIENTATION OF EXTERNAL ANCHORS AND ANCHOR BUOYS FOR INSTALLATION IN FIGURE 1.

TABLE I
PHYSICAL PROPERTIES OF TURBIDITY CURTAIN FABRIC

PHYSICAL PROPERTY	REQUIREMENT
THICKNESS, MILS	45
WEIGHT/OZ./SQ. YD.:	22
GRAD TENSILE STRENGTH, LBS.	300
UV INHIBITOR	REQUIRED

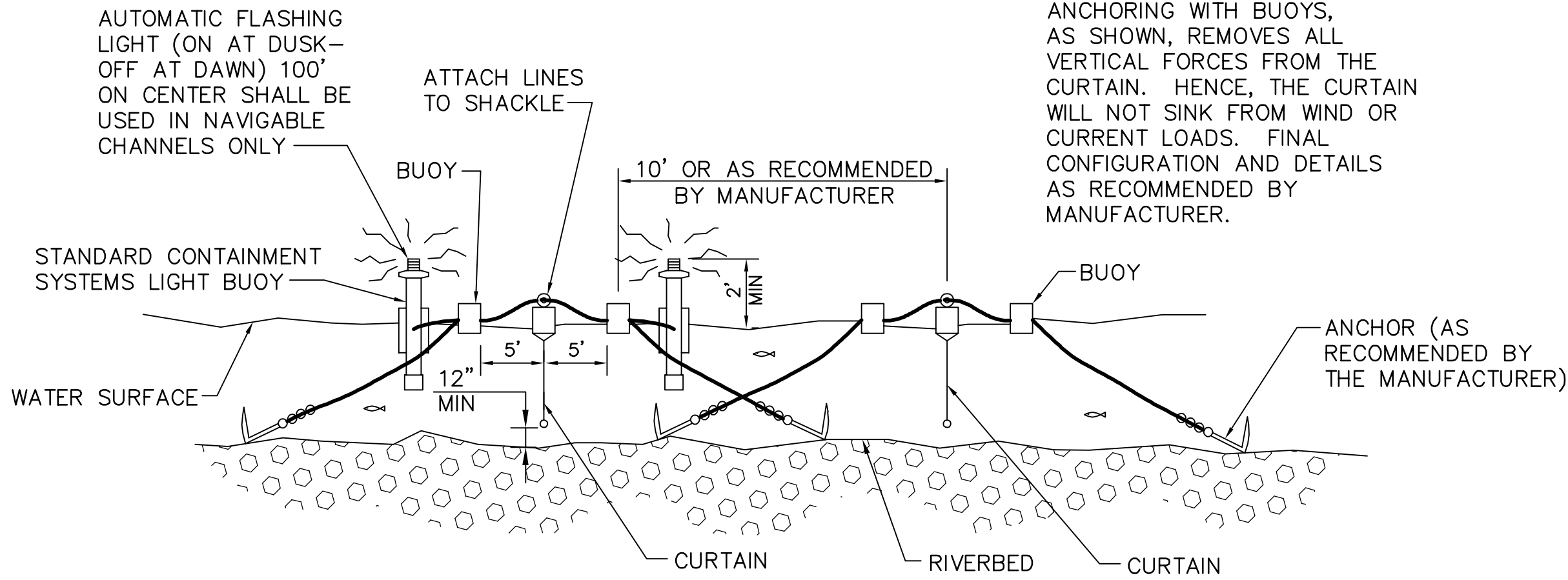


FIGURE 1

INSTALLATION

1. THE CURTAIN SHOULD NEVER TOUCH THE BOTTOM. A MINIMUM 1-FOOT "GAP" SHOULD EXIST BETWEEN THE WEIGHTED LOWER END OF THE SKIRT AND THE BOTTOM AT NORMAL POOL. MOVEMENT OF THE LOWER SKIRT OVER THE BOTTOM DUE TO CURRENT OR ELEVATION FLUCTUATION ON THE FLOTATION SYSTEM MAY FAN AND STIR SEDIMENTS ALREADY SETTLED OUT. A MAXIMUM GAP OF 2-FEET WILL BE ALLOWED BETWEEN THE CURTAIN AND CHANNEL BOTTOM.
2. TURBIDITY CURTAINS SHOULD BE LOCATED PARALLEL TO THE DIRECTION OF FLOW OF A MOVING BODY OF WATER. TURBIDITY CURTAIN SHOULD NOT BE PLACED ACROSS THE MAIN FLOW OF A SIGNIFICANT BODY OF MOVING WATER.
3. WHEN SIZING THE LENGTH OF A FLOATING CURTAIN, ALLOW AN ADDITIONAL 10-20% VARIANCE IN A STRAIGHT LINE MEASUREMENTS. THIS WILL ALLOW FOR MEASURING ERRORS, MAKE INSTALLING EASIER AND REDUCE STRESS FROM POTENTIAL WAVE ACTION DURING HIGH WINDS.
4. AN ATTEMPT SHOULD BE MADE TO AVOID AN EXCESSIVE AMOUNT OF JOINTS IN THE CURTAIN; MINIMUM CONTINUOUS SPAN OF 50 FEET BETWEEN JOINTS IS REQUIRED.
5. FOR STABILITY REASONS, A MAXIMUM SPAN OF 100 FEET BETWEEN JOINTS (ANCHOR OR STAKE LOCATIONS) IS REQUIRED. IF SPACINGS EXCEEDING THIS ARE ALLOWED BY THE MANUFACTURER, DATA SHALL BE SUBMITTED FOR REVIEW.
6. THE ENDS OF THE CURTAIN, BOTH FLOATING UPPER AND WEIGHTED LOWER, SHOULD EXTEND WELL UP INTO THE SHORELINE TO ELEVATION +4.0. THE ENDS SHOULD BE SECURED FIRMLY TO THE SHORELINE (PREFERABLY TO RIGID BODIES SUCH AS TREES OR PILES) TO FULLY ENCLOSE THE AREA WHERE SEDIMENT MAY ENTER THE WATER.
7. TYPICAL ALIGNMENTS OF TURBIDITY CURTAINS CAN BE SEEN IN FIGURE 2. THE NUMBER AND SPACING OF EXTERNAL ANCHORS MAY VARY DEPENDING ON CURRENT VELOCITIES AND POTENTIAL WIND AND WAKE ACTION; THE MANUFACTURER'S RECOMMENDATIONS SHOULD BE FOLLOWED.
8. IN RIVERS OR IN OTHER MOVING WATER IT IS IMPORTANT TO SET ALL THE CURTAIN ANCHOR POINTS. CARE MUST BE TAKEN TO ENSURE THAT ANCHOR POINTS ARE OF SUFFICIENT HOLDING POWER TO RETAIN THE CURTAIN UNDER THE EXISTING CURRENT CONDITIONS, PRIOR TO PUTTING THE FURLED CURTAIN INTO THE WATER. AGAIN, ANCHOR BUOYS SHOULD BE EMPLOYED ON ALL ANCHORS TO PREVENT THE CURRENT FROM SUBMERGING THE FLOTATION AT THE ANCHOR POINTS.

WHEN THE ANCHORS ARE SECURE, THE FURLED CURTAIN SHOULD BE SECURED TO THE UPSTREAM ANCHOR POINT AND THEN SEQUENTIALLY ATTACHED TO EACH NEXT DOWNSTREAM ANCHOR POINT UNTIL THE ENTIRE CURTAIN IS IN POSITION. AT THIS POINT, AND BEFORE UNFURLING, THE "LAY" OF THE CURTAIN SHOULD BE ASSESSED AND ANY NECESSARY ADJUSTMENTS MADE TO THE ANCHORS. FINALLY, WHEN THE LOCATION IS ASCERTAINED TO BE AS DESIRED, THE FURLING LINES SHOULD BE CUT TO ALLOW THE SKIRT TO DROP.

9. ALWAYS ATTACH ANCHOR LINES TO THE FLOATATION DEVICE, NOT TO THE BOTTOM OF THE CURTAIN. THE ANCHORING LINE ATTACHED TO THE FLOATATION DEVICE ON THE DOWN STREAM SIDE WILL PROVIDE SUPPORT FOR THE CURTAIN. ATTACHING THE ANCHORS TO THE BOTTOM OF THE CURTAIN COULD CAUSE PREMATURE FAILURE OF THE CURTAIN DUE TO THE STRESSES IMPARTED ON THE MIDDLE SECTION OF THE CURTAIN.

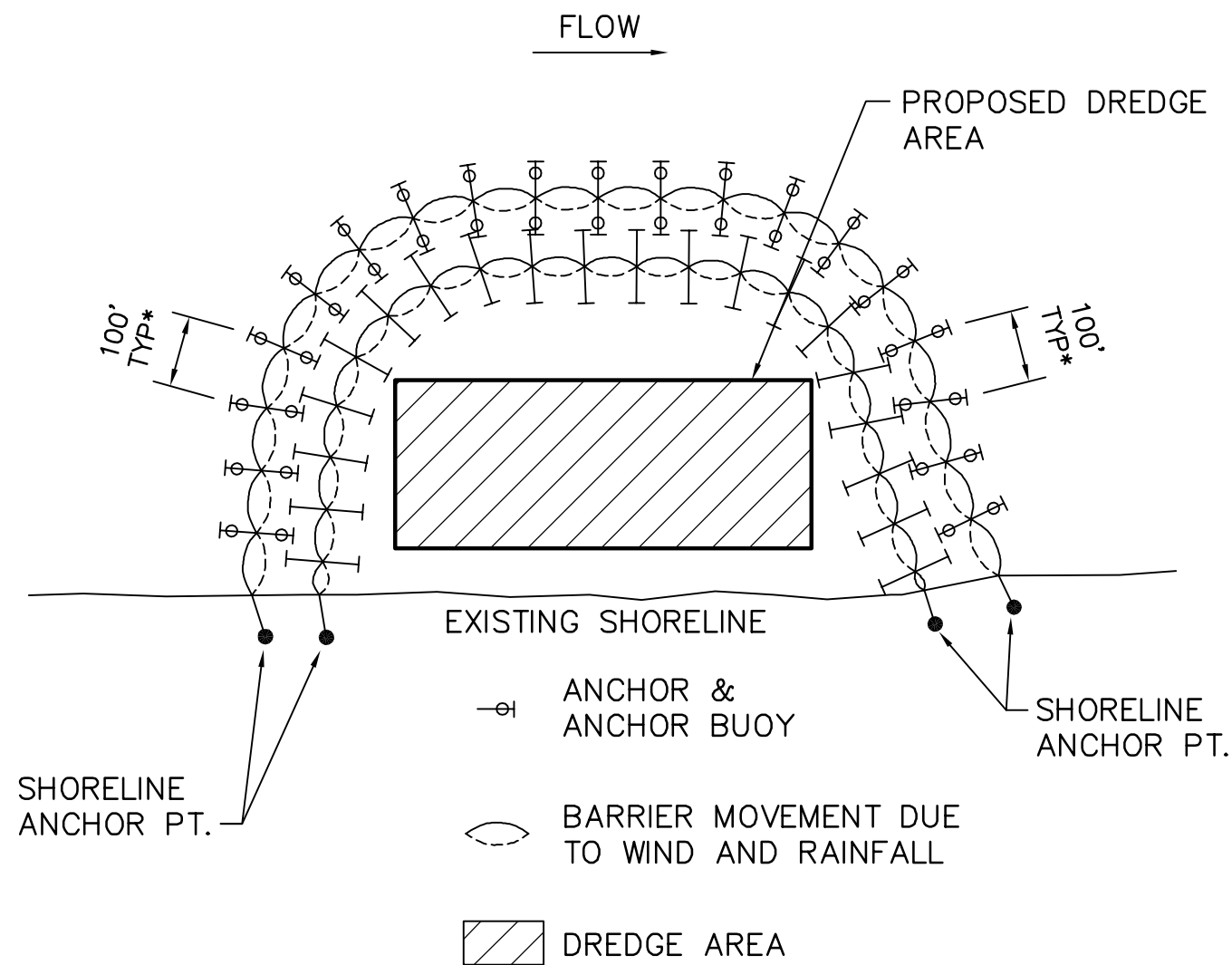


FIGURE 2

REMOVAL

1. CARE SHOULD BE TAKEN TO PROTECT THE SKIRT FROM DAMAGE AS THE TURBIDITY CURTAIN IS DRAGGED FROM THE WATER.
2. IF THE CURTAIN IS TO BE REUSED AT THE SITE, THE SITE SELECTED TO BRING THE CURTAIN ASHORE SHOULD BE FREE OF SHARP ROCKS, BROKEN CEMENT, DEBRIS, ETC. SO AS TO MINIMIZE DAMAGE WHEN HAULING THE CURTAIN OVER THE AREA. ANY DAMAGE TO THE CURTAIN SHALL BE REPAIRED AS SPECIFIED.
3. IF THE CURTAIN HAS A DEEP SKIRT, IT CAN BE FURTHER PROTECTED BY RUNNING A SMALL BOAT ALONG ITS LENGTH WITH A CREW INSTALLING FURLING LINES BEFORE ATTEMPTING TO REMOVE THE CURTAIN FROM THE WATER.

MAINTENANCE

1. THE CONTRACTOR SHALL BE RESPONSIBLE FOR MAINTENANCE OF THE FILTER CURTAIN FOR THE DURATION OF THE PROJECT IN ORDER TO ENSURE THE CONTINUOUS PROTECTION OF THE WATERCOURSE.
2. SHOULD REPAIRS TO THE GEOTEXTILE FABRIC BECOME NECESSARY, REPAIR KITS AVAILABLE FROM THE ORIGINAL MANUFACTURER SHALL BE USED. MANUFACTURER'S INSTRUCTIONS MUST BE FOLLOWED TO ENSURE THE ADEQUACY OF THE REPAIR.
3. WHEN THE CURTAIN IS NO LONGER REQUIRED AS DETERMINED BY THE INSPECTOR, THE CURTAIN AND RELATED COMPONENTS SHALL BE REMOVED IN SUCH A MANNER AS TO MINIMIZE TURBIDITY. REMAINING SEDIMENT SHALL BE SUFFICIENTLY SETTLED BEFORE REMOVING THE CURTAIN. SEDIMENT MAY BE REMOVED AND THE ORIGINAL DEPTH (OR PLAN ELEVATION) RESTORED. ANY SPOILS MUST BE TAKEN TO THE DMCA AND BE STABILIZED.

ST JOHNS RIVER WATER MANAGEMENT DISTRICT
SEBASTIAN RIVER MUCK REMOVAL
SEBASTIAN, FLORIDA



MOFFATT & NICHOL
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TAMPA, FLORIDA 33606
(813)258-8818

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DESIGN	DR	MP
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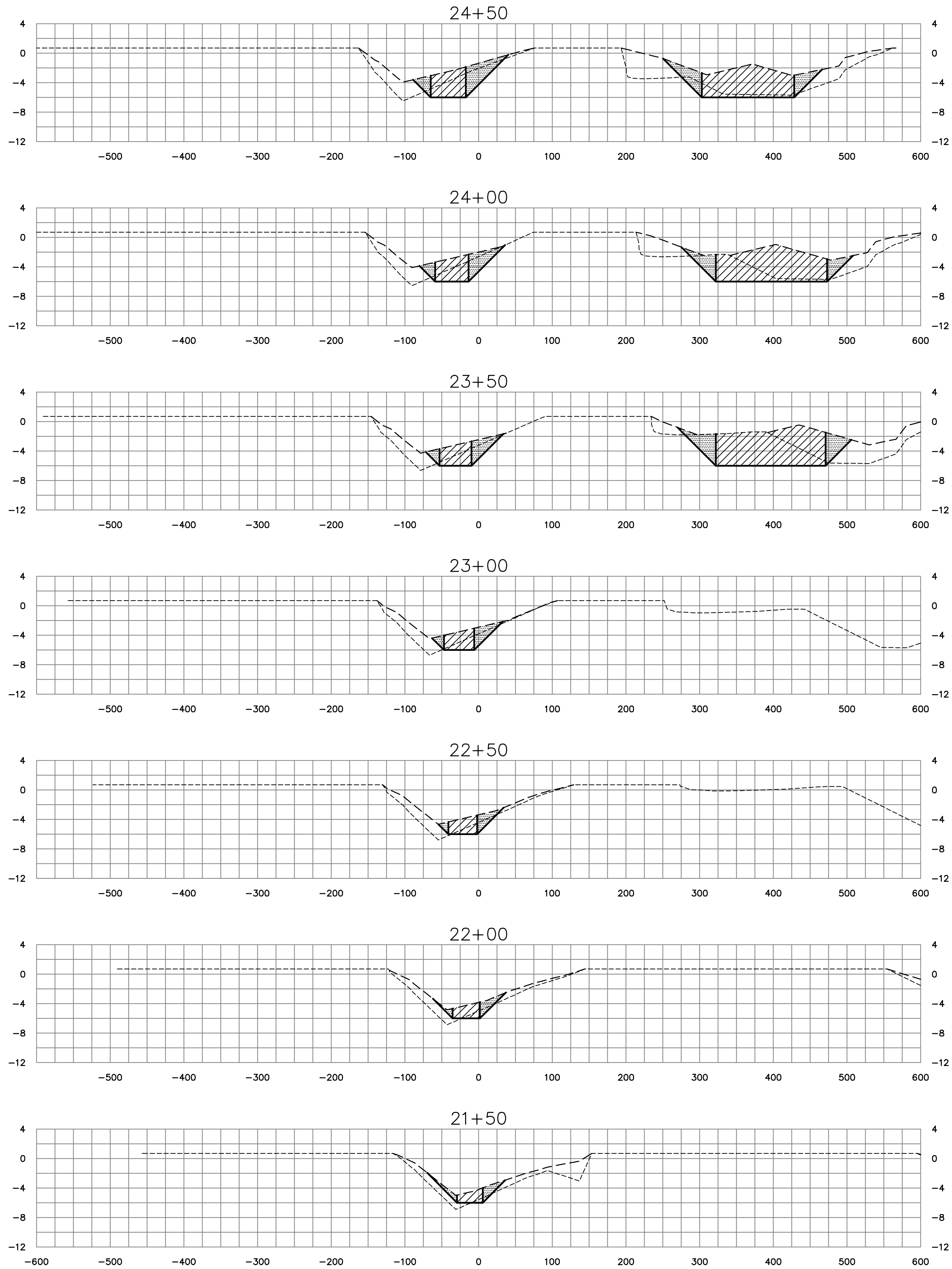
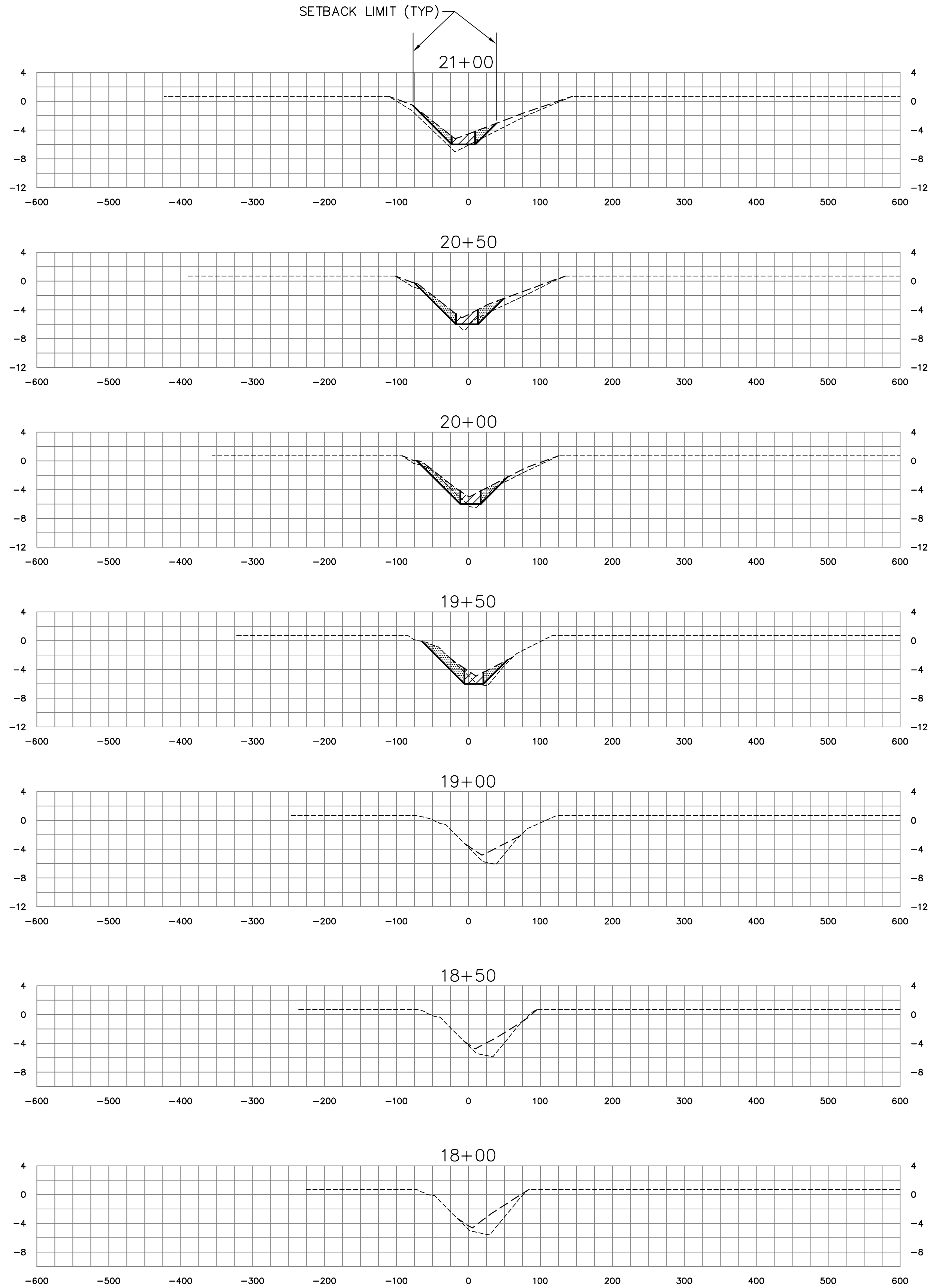
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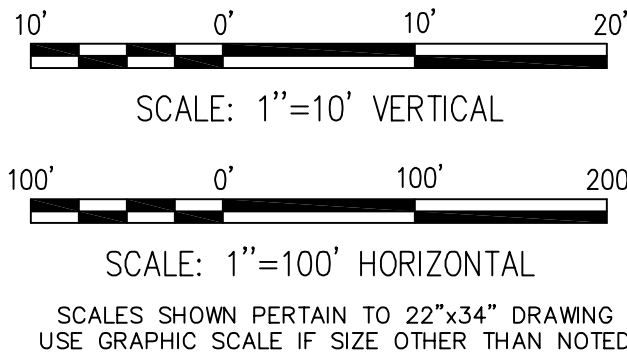
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SOUTH PRONG & MAIN BRANCH CROSS SECTIONS

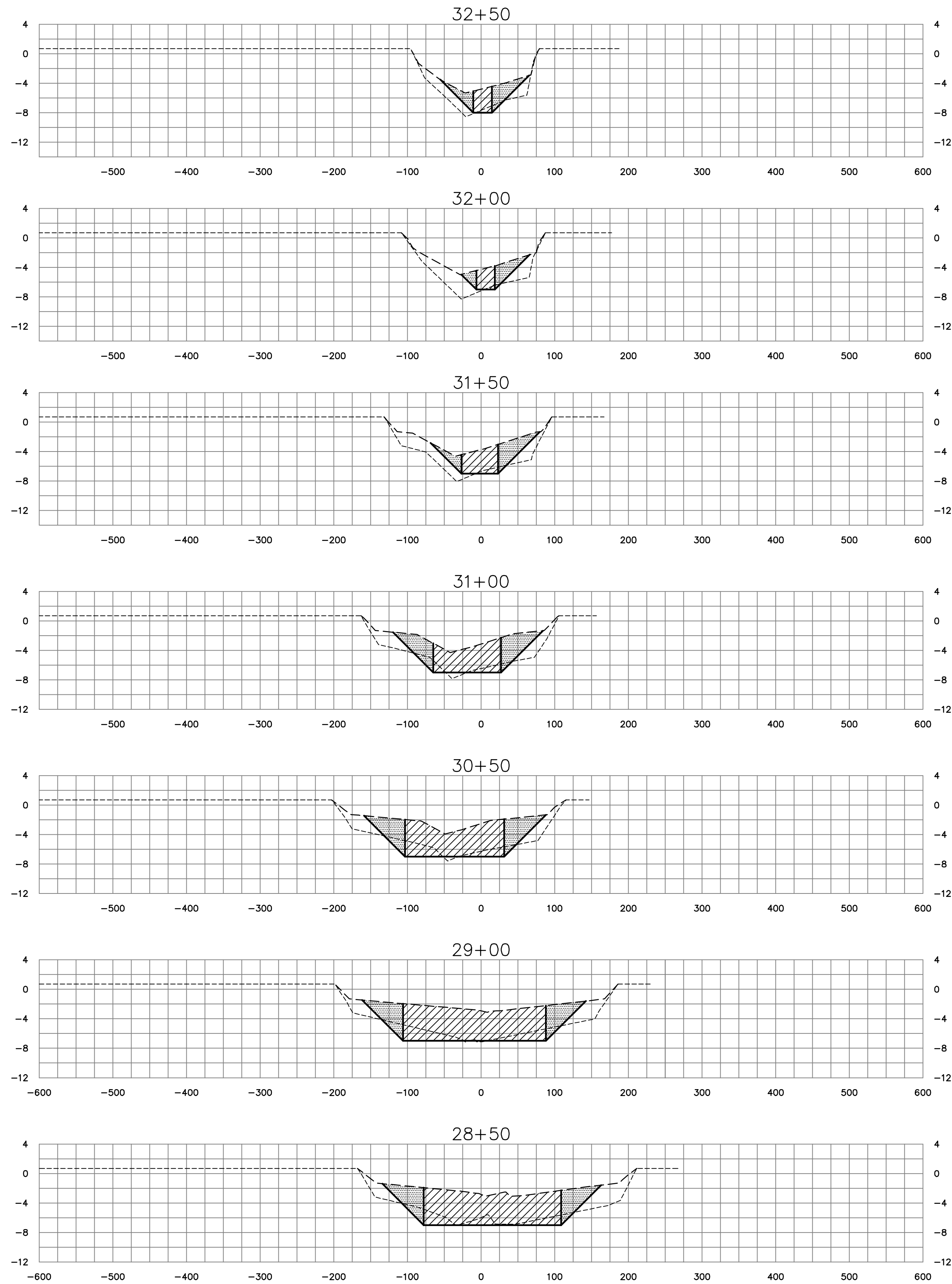
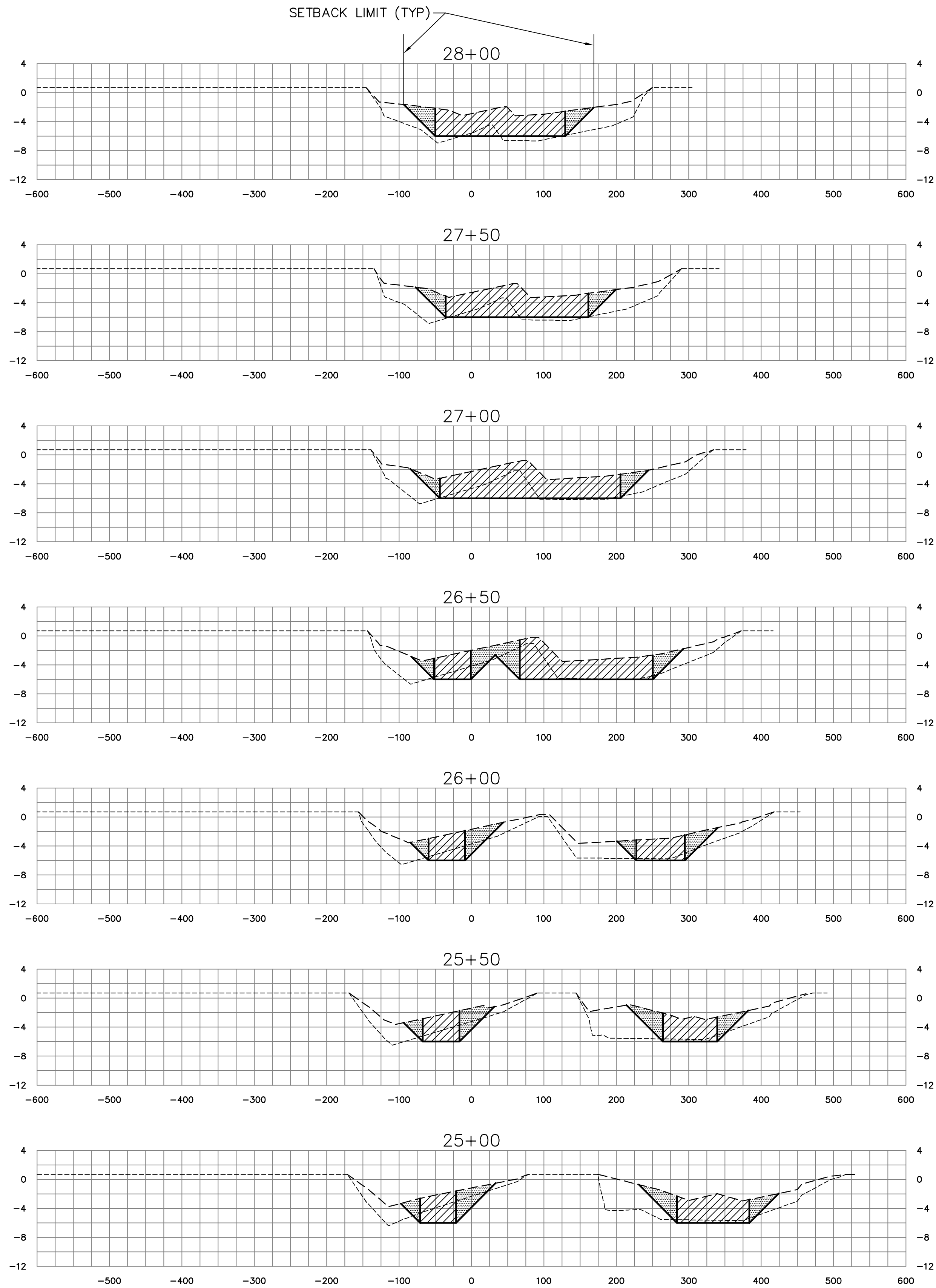
LEGEND

- APPROXIMATE PRE-MUCK SURFACE
- APPROXIMATE TOP OF MUCK SURFACE
- ▨ DENOTES BOXCUT DREDGE AREA
- ▩ DENOTES ANTICIPATED MUCK SLOUGHING AREA



ST JOHNS RIVER WATER MANAGEMENT DISTRICT SEBASTIAN RIVER MUCK REMOVAL SEBASTIAN, FLORIDA		REVISION		DESCRIPTION	BY	DATE
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SHEET 17 OF 67						
XS1						

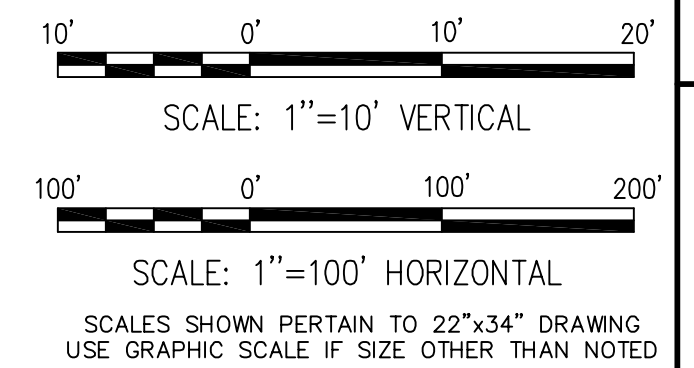
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SOUTH PRONG & MAIN BRANCH CROSS SECTIONS

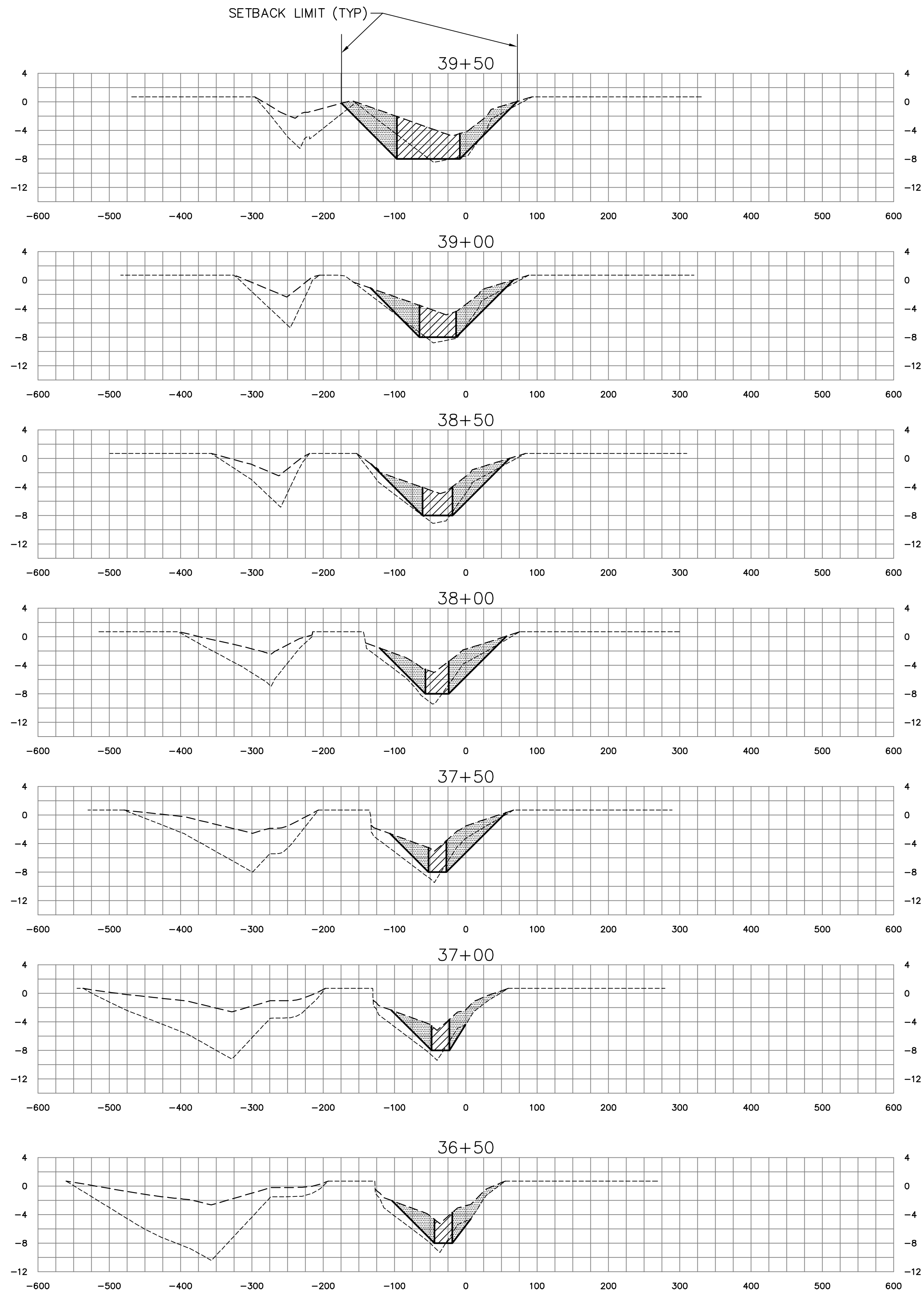
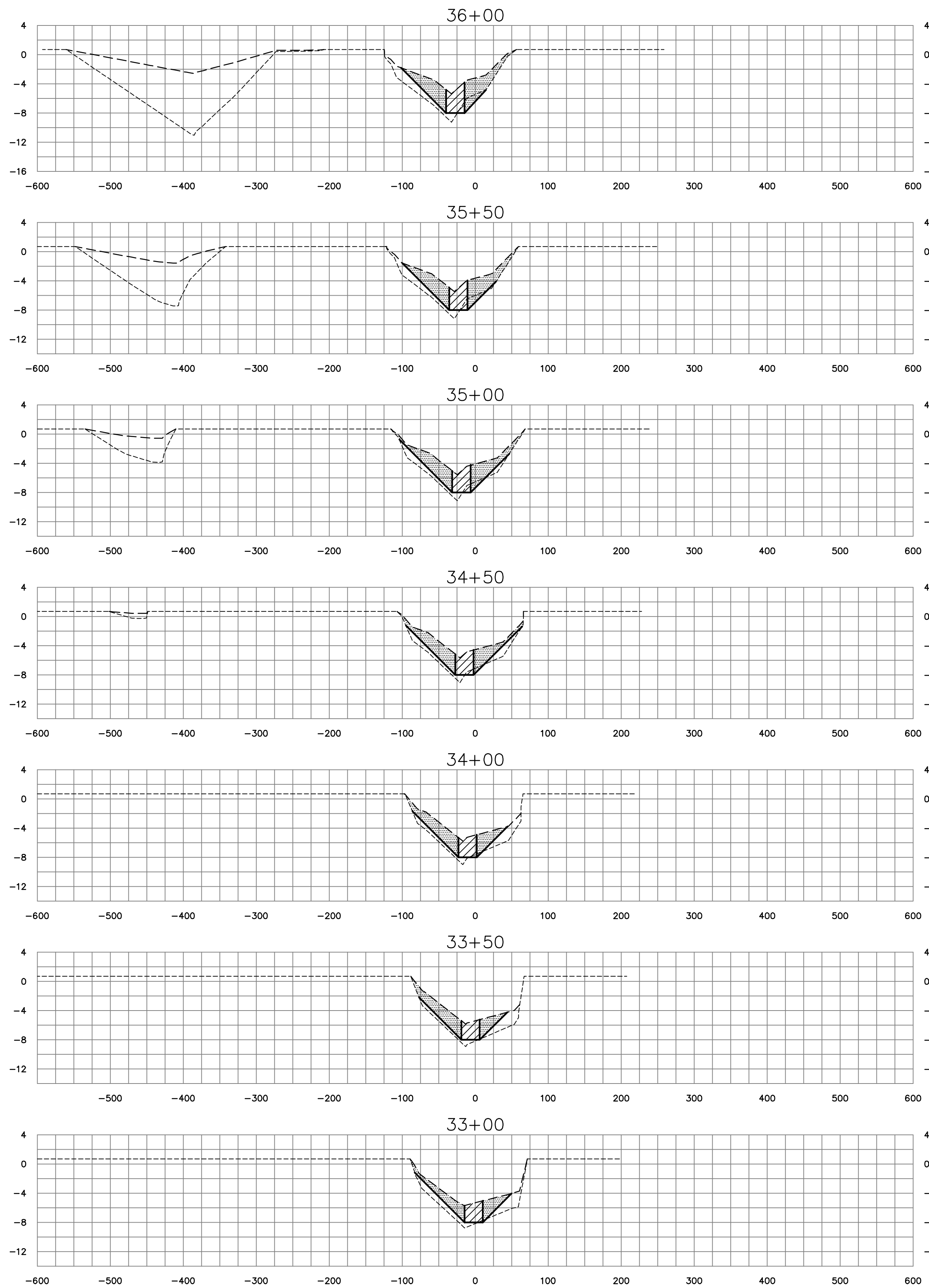
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- APPROXIMATE PRE-MUCK SURFACE
- APPROXIMATE TOP OF MUCK SURFACE
- ▨ DENOTES BOXCUT DREDGE AREA
- ▨ DENOTES ANTICIPATED MUCK SLOUGHING AREA



ST JOHNS RIVER WATER MANAGEMENT DISTRICT SEBASTIAN RIVER MUCK REMOVAL SEBASTIAN, FLORIDA		DREDGE CROSS SECTIONS SHEET 2 OF 51	
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XS2			

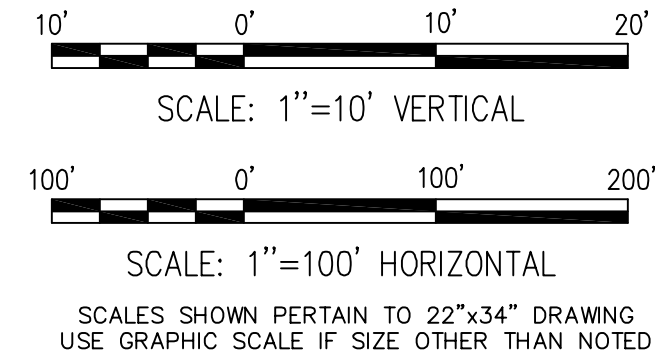
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SOUTH PRONG & MAIN BRANCH CROSS SECTIONS

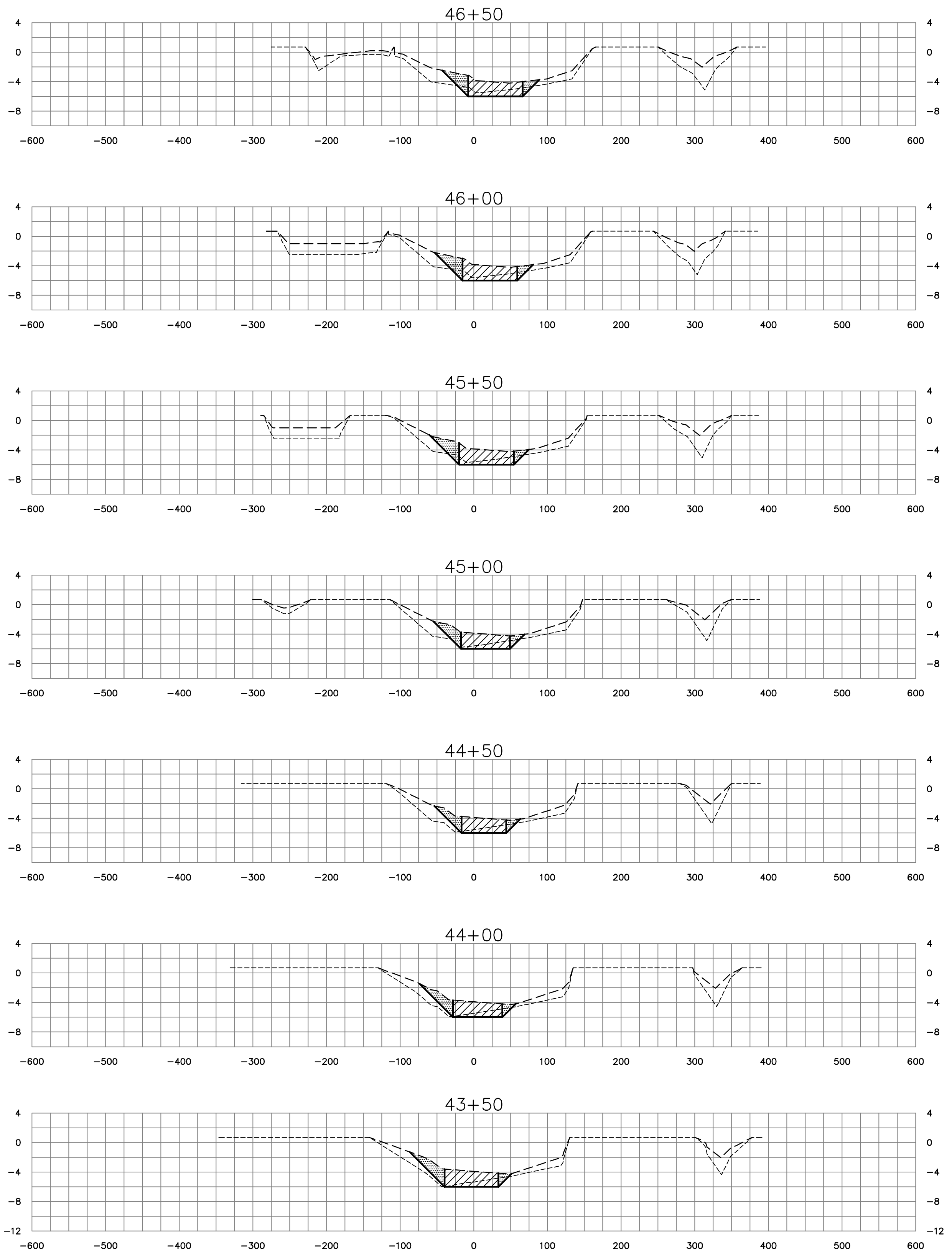
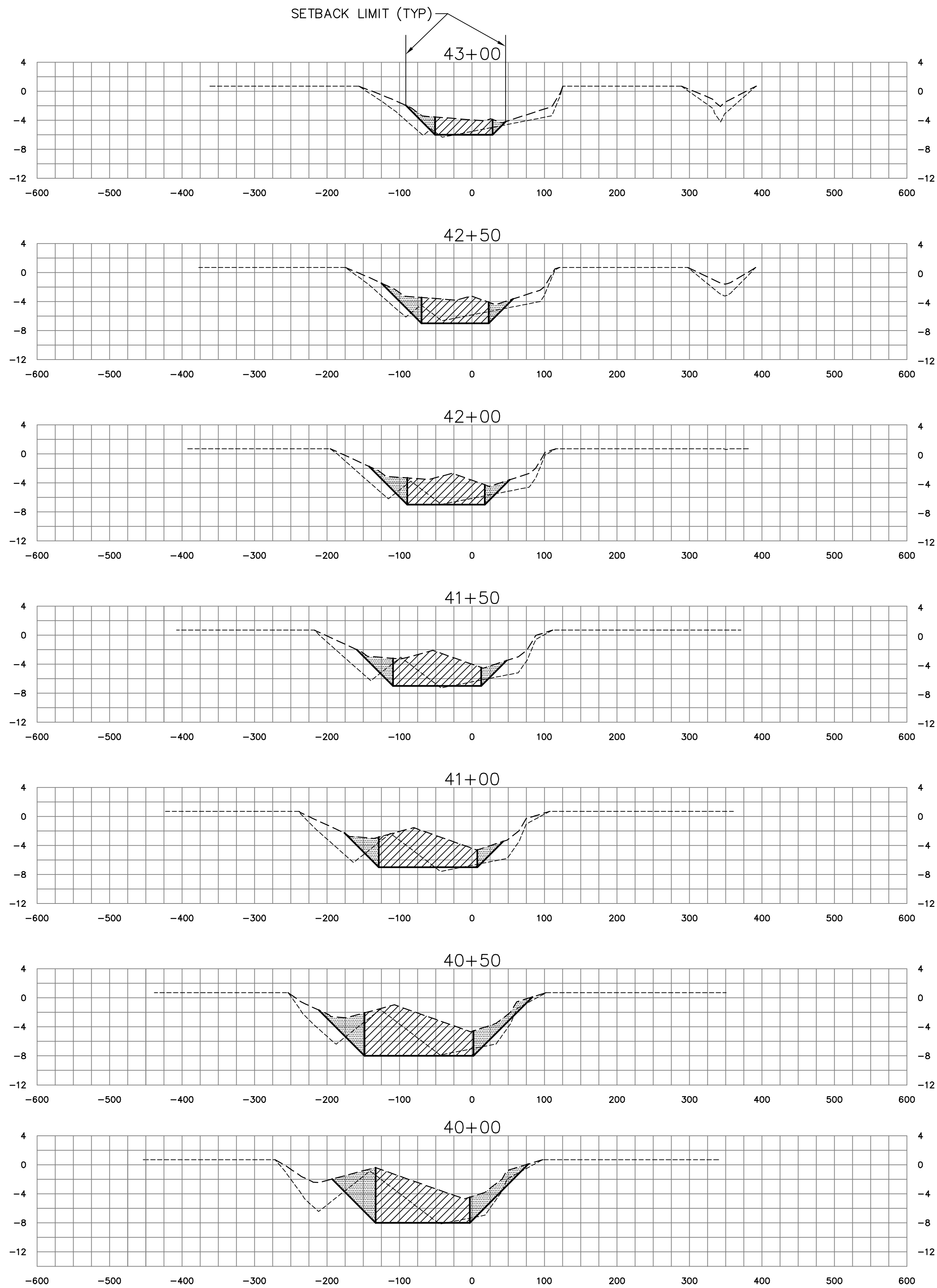
LEGEND

- APPROXIMATE PRE-MUCK SURFACE
- APPROXIMATE TOP OF MUCK SURFACE
- ▨ DENOTES BOXCUT DREDGE AREA
- ▩ DENOTES ANTICIPATED MUCK SLOUGHING AREA



ST JOHNS RIVER WATER MANAGEMENT DISTRICT SEBASTIAN RIVER MUCK REMOVAL SEBASTIAN, FLORIDA		DREDGE CROSS SECTIONS SHEET 3 OF 51	
MOFFATT & NICHOL 1509 W. SWANN AVE. SUITE 225 TAMPA, FLORIDA 33606 (813)258-8818		DR	CHK
SUBMITTED BY		MP	DATE
JOB NO. 4642-04		REVISION	
100% SUBMITTAL DRAWINGS NOT TO BE USED FOR CONSTRUCTION			
DATE JUNE 2005			
SHEET 19 OF 67			
XS3			

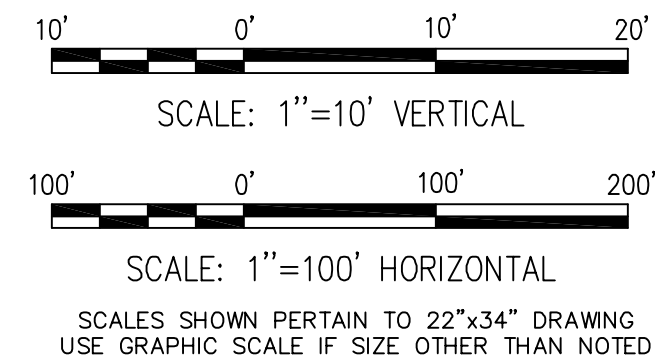
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SOUTH PRONG & MAIN BRANCH CROSS SECTIONS

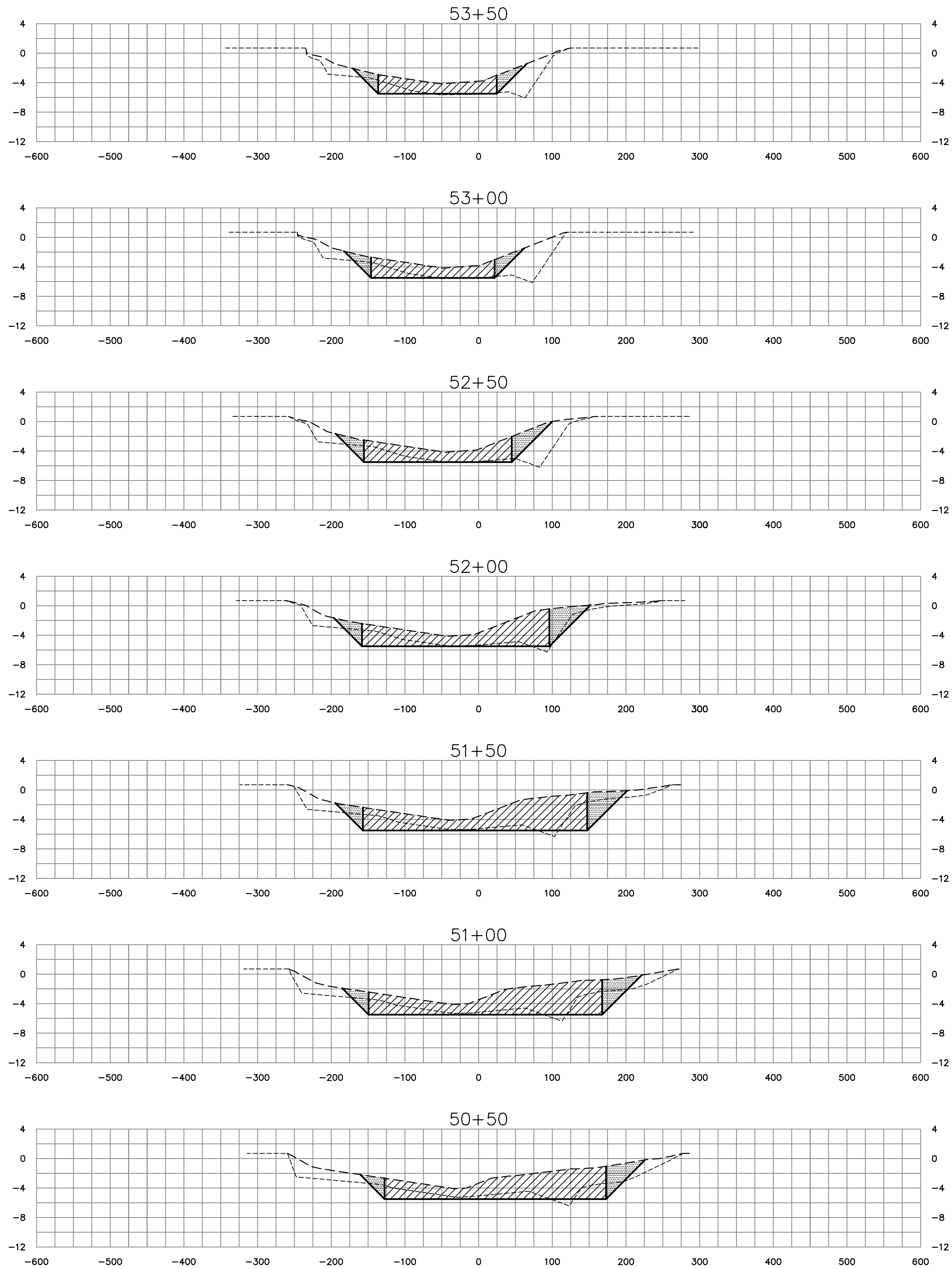
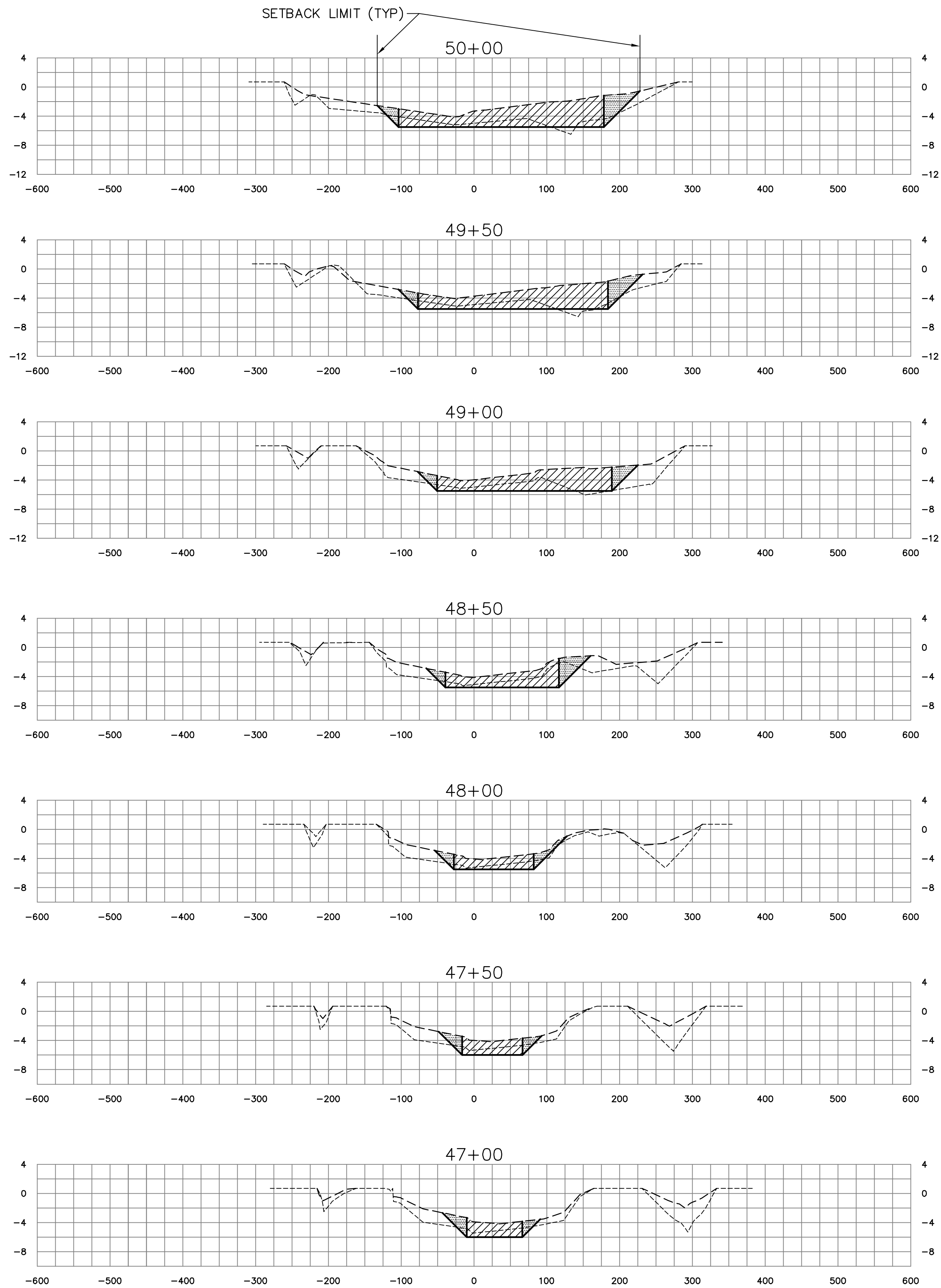
LEGEND

- APPROXIMATE PRE-MUCK SURFACE
- APPROXIMATE TOP OF MUCK SURFACE
- ▨ DENOTES BOXCUT DREDGE AREA
- ▤ DENOTES ANTICIPATED MUCK SLOUGHING AREA



ST JOHNS RIVER WATER MANAGEMENT DISTRICT SEBASTIAN RIVER MUCK REMOVAL SEBASTIAN, FLORIDA		REVISION		DESCRIPTION	BY	DATE
MOFFATT & NICHOL 1509 W. SWANN AVE. SUITE 225 TAMPA, FLORIDA 33606 (813)258-8818		DR	CHK	SUBMITTED BY		MP
DSGN	JOB NO.	4642-04	TITLE			
100% SUBMITTAL DRAWINGS NOT TO BE USED FOR CONSTRUCTION						
DATE JUNE 2005						
SHEET 20 OF 67						
XS4						

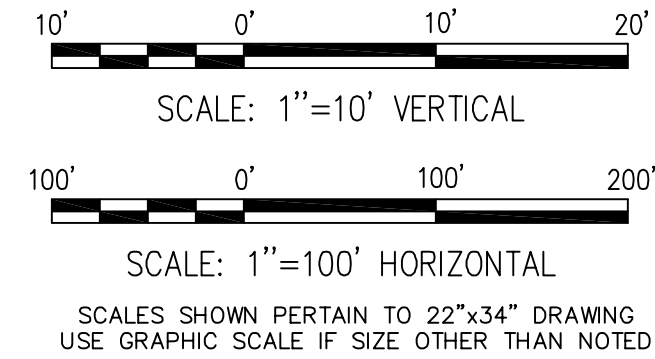
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SOUTH PRONG & MAIN BRANCH CROSS SECTIONS

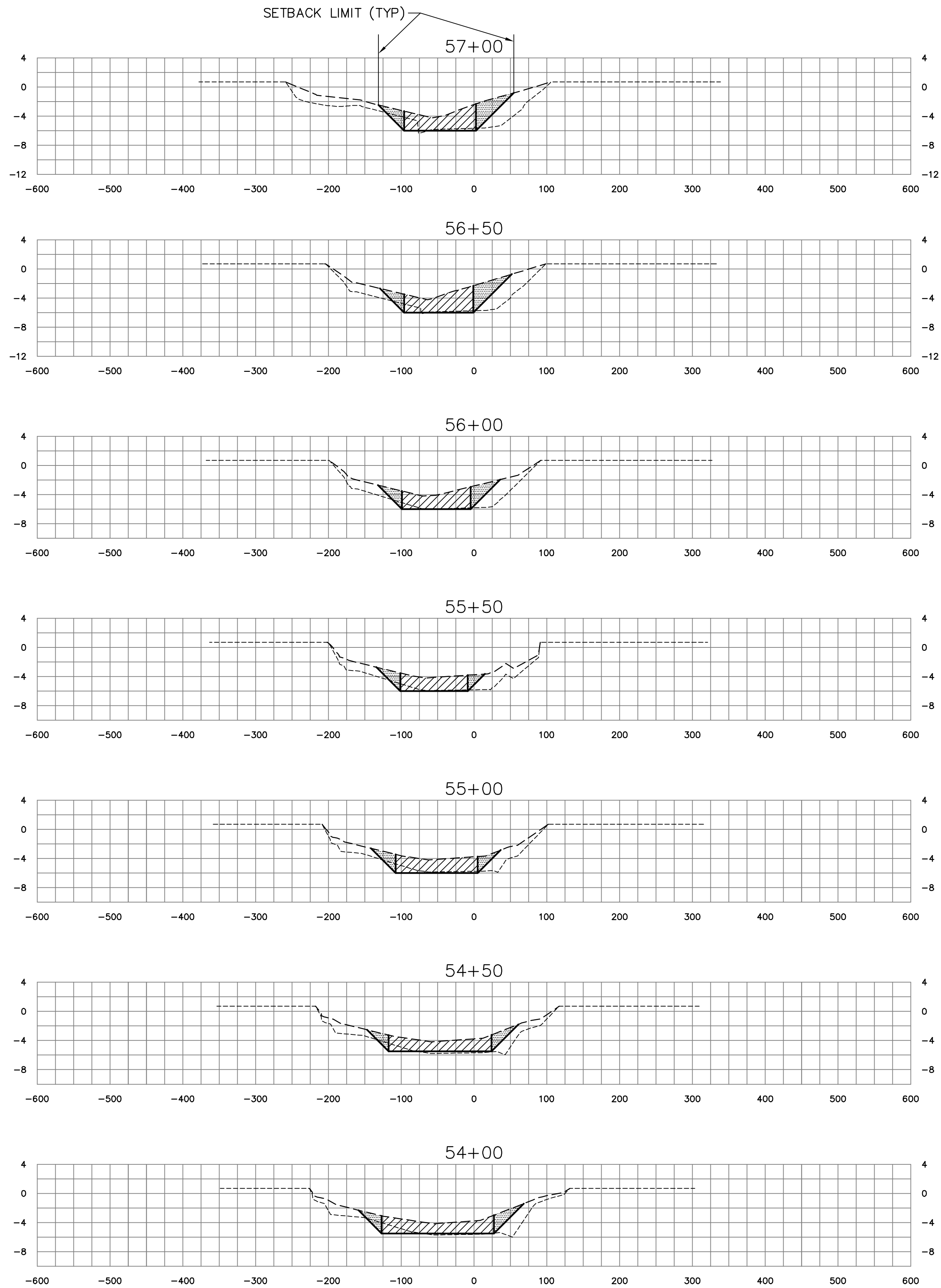
LEGEND

- APPROXIMATE PRE-MUCK SURFACE
- APPROXIMATE TOP OF MUCK SURFACE
- ▨ DENOTES BOXCUT DREDGE AREA
- ▩ DENOTES ANTICIPATED MUCK SLOUGHING AREA



ST JOHNS RIVER WATER MANAGEMENT DISTRICT SEBASTIAN RIVER MUCK REMOVAL SEBASTIAN, FLORIDA		DREDGE CROSS SECTIONS SHEET 5 OF 51	
MOFFATT & NICHOL 1509 W. SWANN AVE. SUITE 225 TAMPA, FLORIDA 33606 (813)258-8818		DR	CHK
DSGN	JOB NO. 4642-04	SUBMITTED BY	MP
100% SUBMITTAL DRAWINGS NOT TO BE USED FOR CONSTRUCTION			
DATE JUNE 2005			
SHEET 21 OF 67			
XS5			

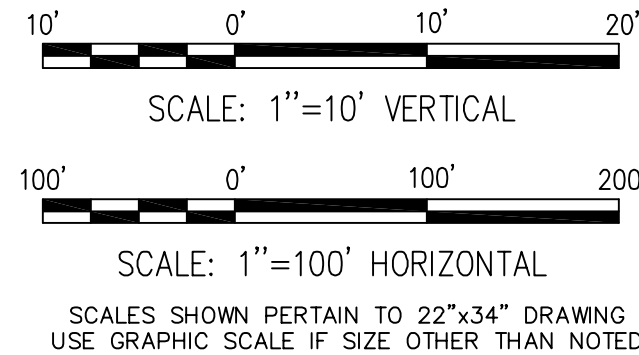
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SOUTH PRONG & MAIN BRANCH CROSS SECTIONS

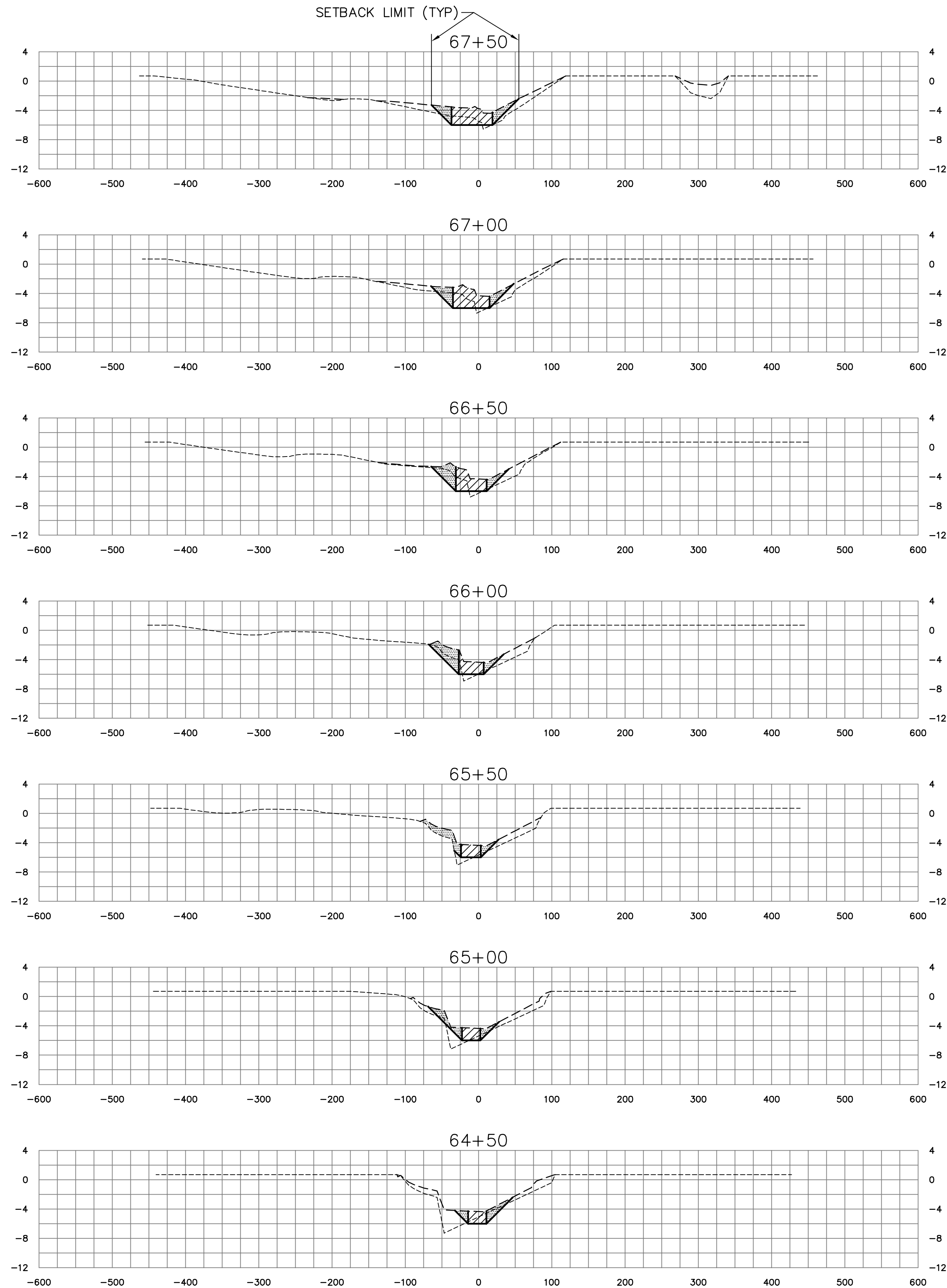
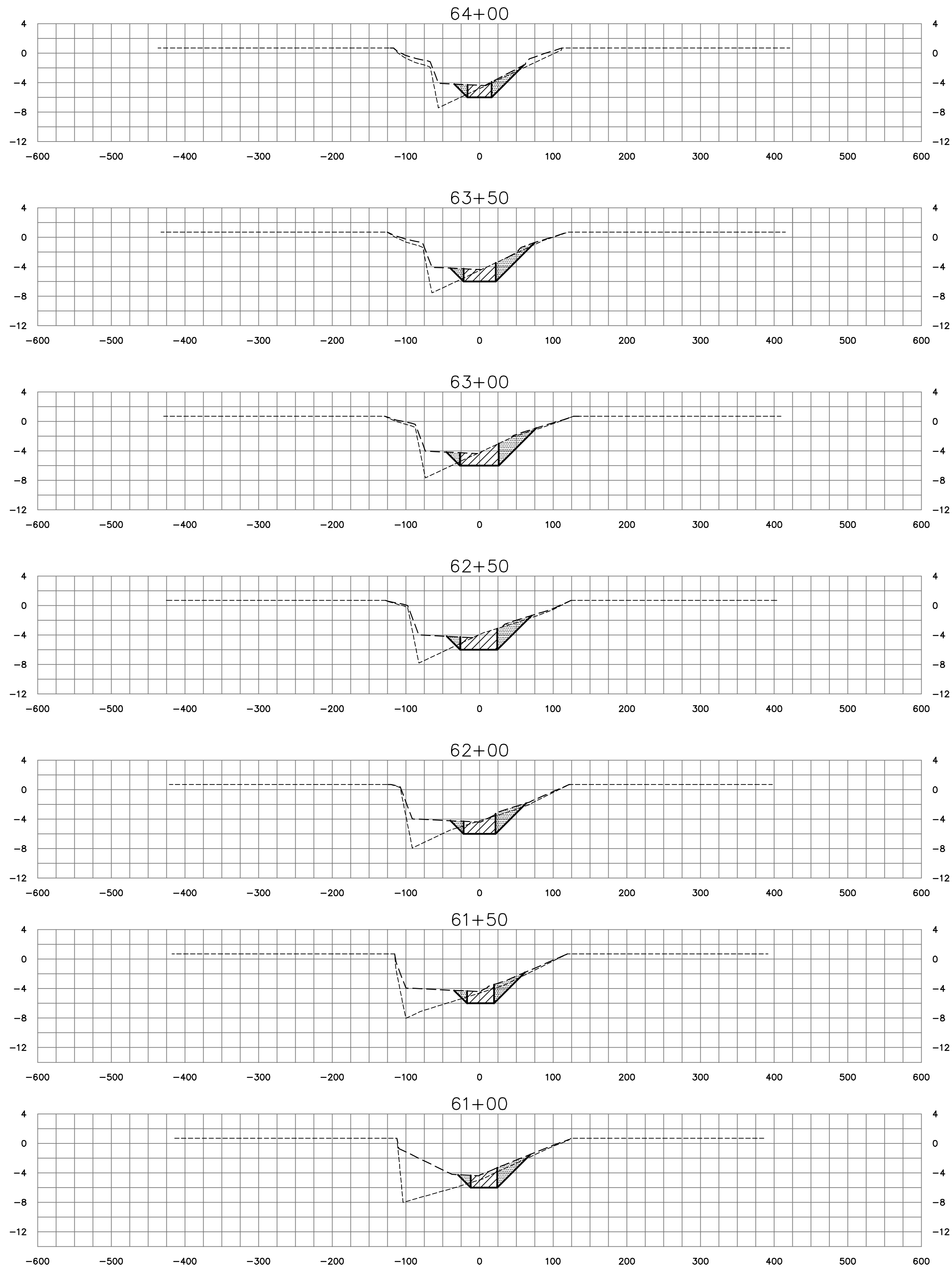
LEGEND

- APPROXIMATE PRE-MUCK SURFACE
- APPROXIMATE TOP OF MUCK SURFACE
- ▨ DENOTES BOXCUT DREDGE AREA
- ▩ DENOTES ANTICIPATED MUCK SLOUGHING AREA



ST JOHNS RIVER WATER MANAGEMENT DISTRICT SEBASTIAN RIVER MUCK REMOVAL SEBASTIAN, FLORIDA		DREDGE CROSS SECTIONS SHEET 6 OF 51	
MOFFATT & NICHOL 1509 W. SWANN AVE. SUITE 225 TAMPA, FLORIDA 33606 (813)258-8818		DR	CHK
DESIGN	JOB NO. 4642-04	SUBMITTED BY	TITLE
100% SUBMITTAL DRAWINGS NOT TO BE USED FOR CONSTRUCTION		DATE JUNE 2005	
SHEET 22 OF 67		BY DATE	
XS6		REVISION	

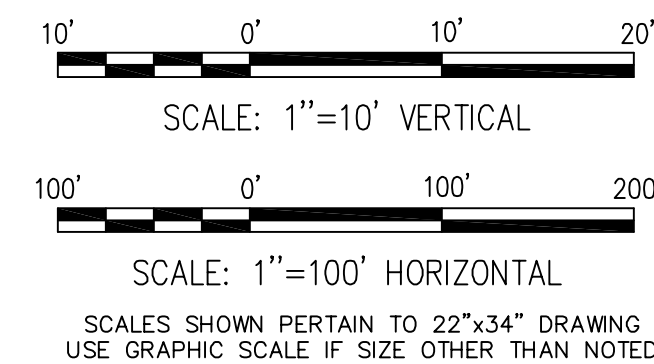
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SOUTH PRONG & MAIN BRANCH CROSS SECTIONS

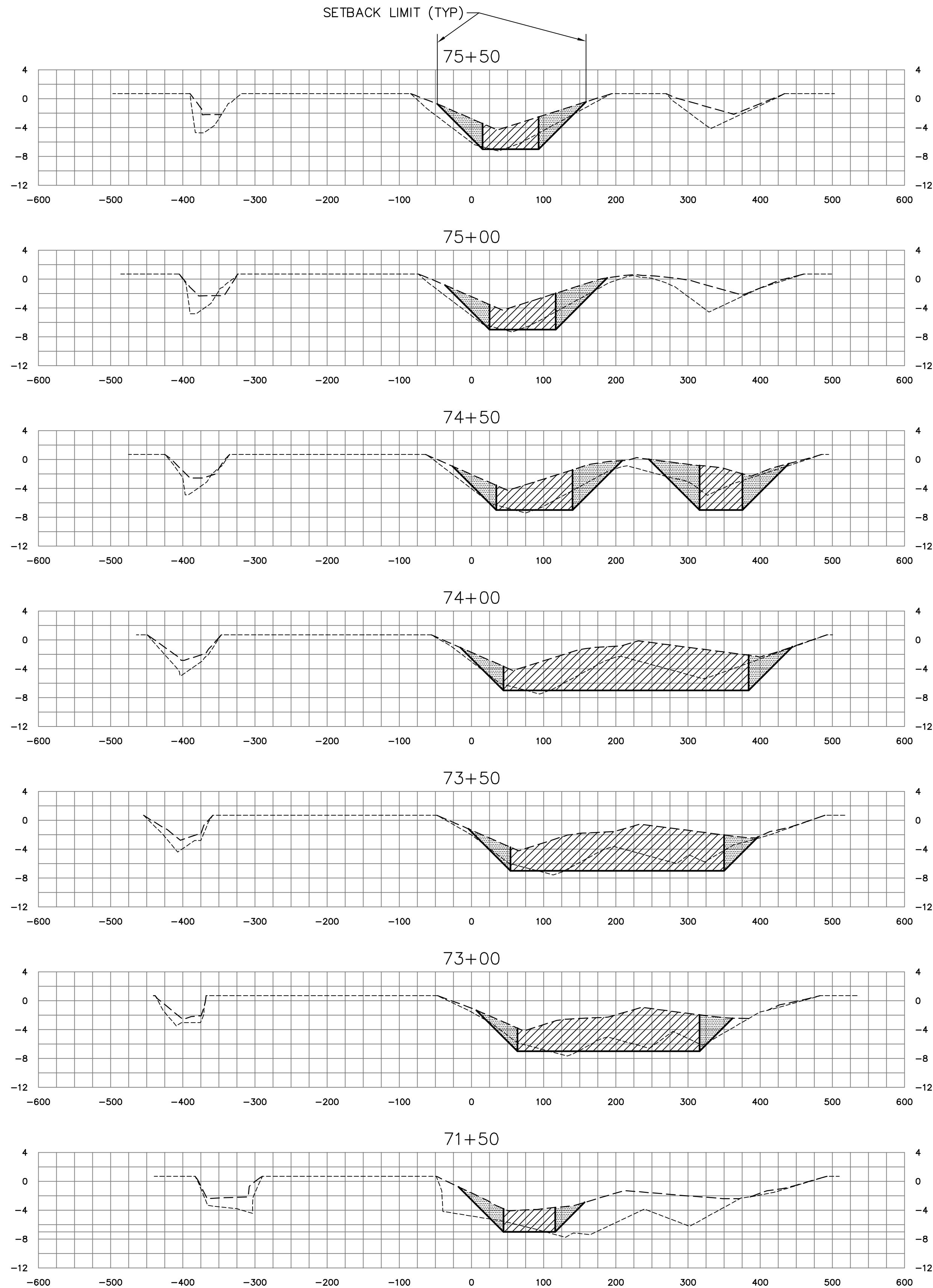
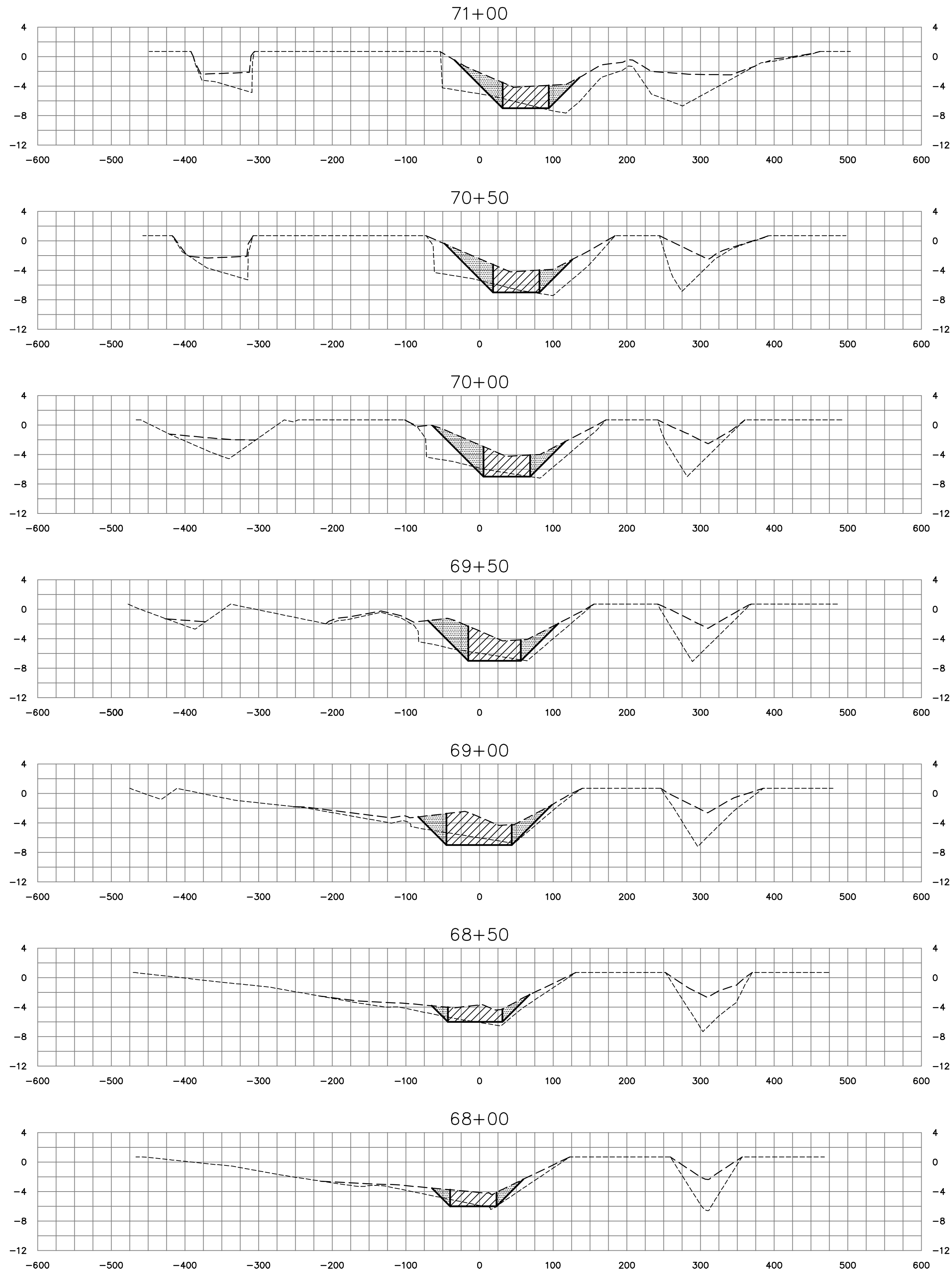
LEGEND

- APPROXIMATE PRE-MUCK SURFACE
- APPROXIMATE TOP OF MUCK SURFACE
- ▨ DENOTES BOXCUT DREDGE AREA
- ▨ DENOTES ANTICIPATED MUCK SLOUGHING AREA



ST JOHNS RIVER WATER MANAGEMENT DISTRICT SEBASTIAN RIVER MUCK REMOVAL SEBASTIAN, FLORIDA		REVISION		DESCRIPTION	BY	DATE
MOFFATT & NICHOL 1509 W. SWANN AVE. SUITE 225 TAMPA, FLORIDA 33606 (813)258-8818		DR	CHK	SUBMITTED BY		MP
DSGN	JOB NO.	4642-04	TITLE			
100% SUBMITTAL DRAWINGS NOT TO BE USED FOR CONSTRUCTION						
DATE JUNE 2005						
SHEET 23 OF 67						
XS7						

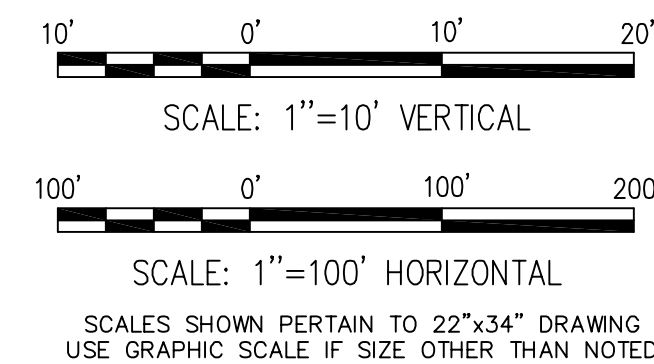
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SOUTH PRONG & MAIN BRANCH CROSS SECTIONS

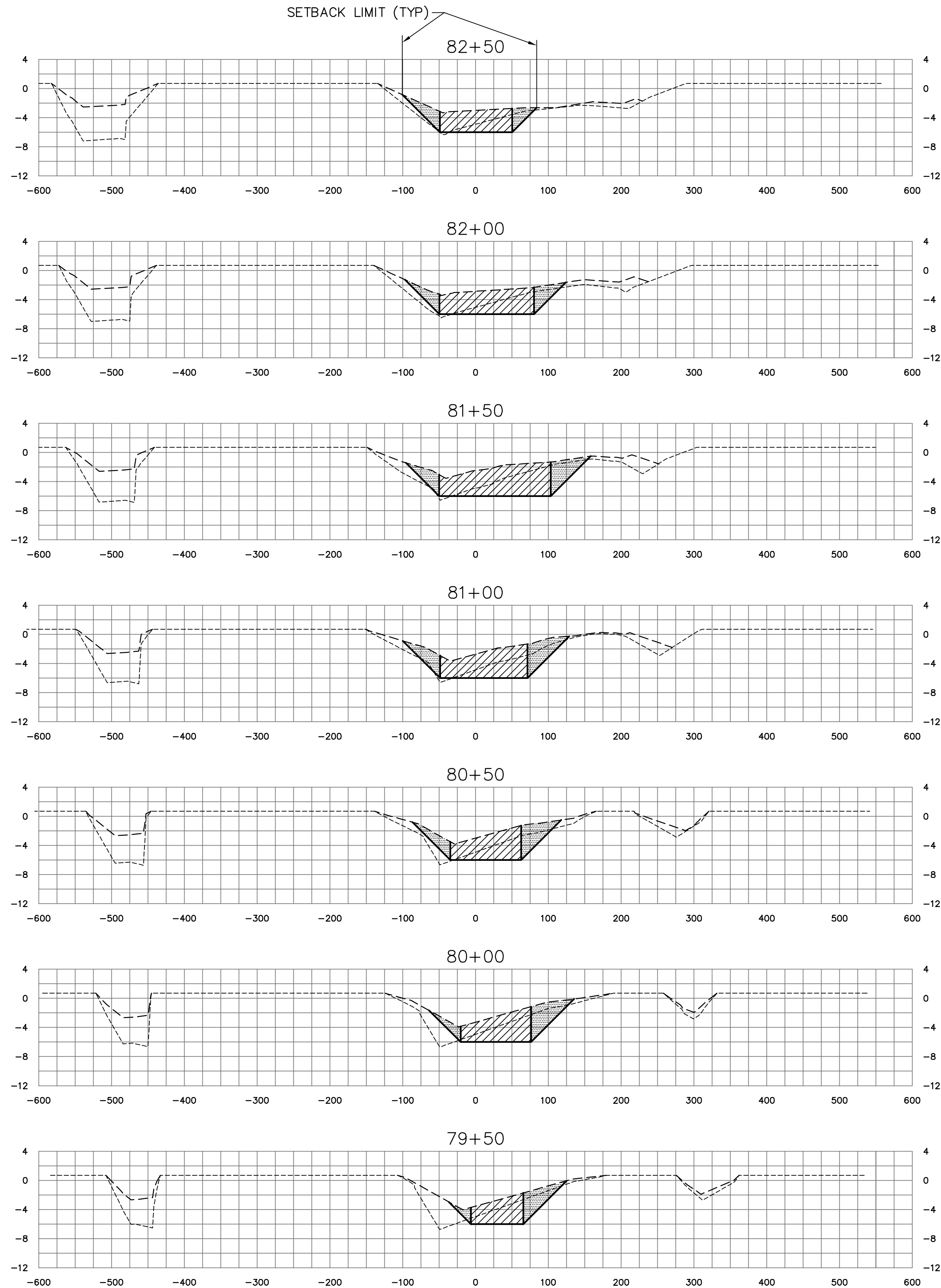
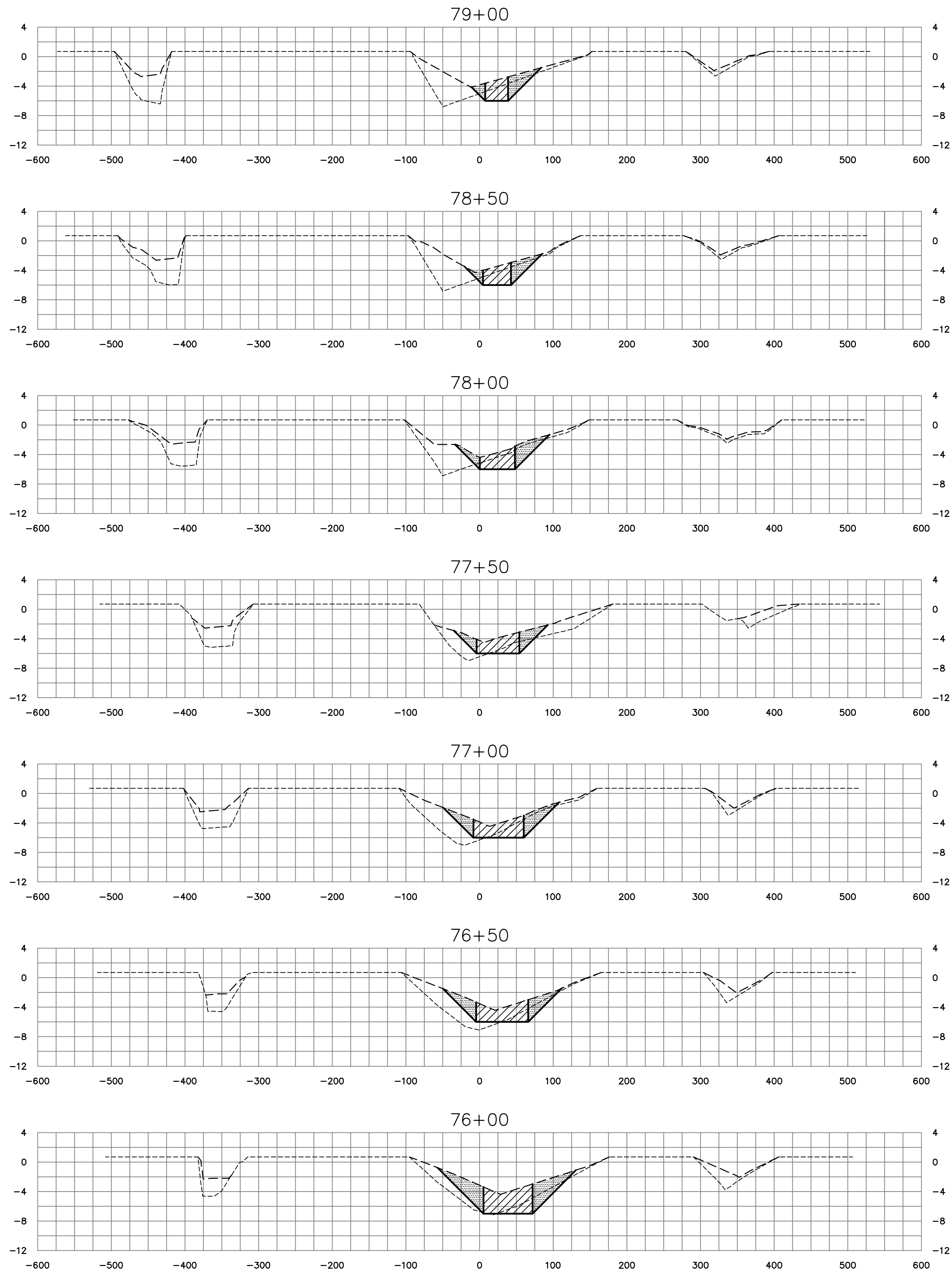
LEGEND

- APPROXIMATE PRE-MUCK SURFACE
- APPROXIMATE TOP OF MUCK SURFACE
- ▨ DENOTES BOXCUT DREDGE AREA
- ▨ DENOTES ANTICIPATED MUCK SLOUGHING AREA



ST JOHNS RIVER WATER MANAGEMENT DISTRICT SEBASTIAN RIVER MUCK REMOVAL SEBASTIAN, FLORIDA		DREDGE CROSS SECTIONS SHEET 8 OF 51	
MOFFATT & NICHOL 1509 W. SWANN AVE. SUITE 225 TAMPA, FLORIDA 33606 (813)258-8818		DR	CHK
SUBMITTED BY		MP	DATE
JOB NO. 4642-04		REVISION	
100% SUBMITTAL DRAWINGS NOT TO BE USED FOR CONSTRUCTION		DESCRIPTION	
DATE JUNE 2005		BY	
SHEET 24 OF 67		DATE	
XS8		DATE	

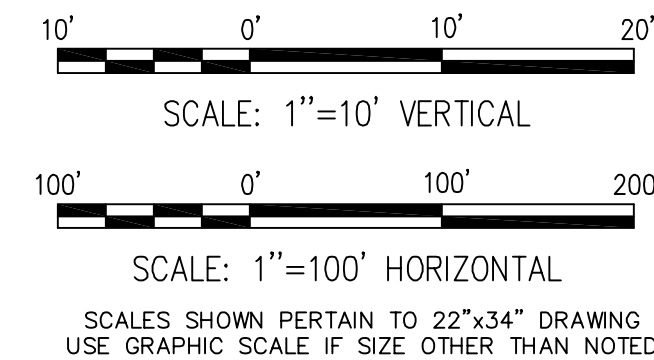
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SOUTH PRONG & MAIN BRANCH CROSS SECTIONS

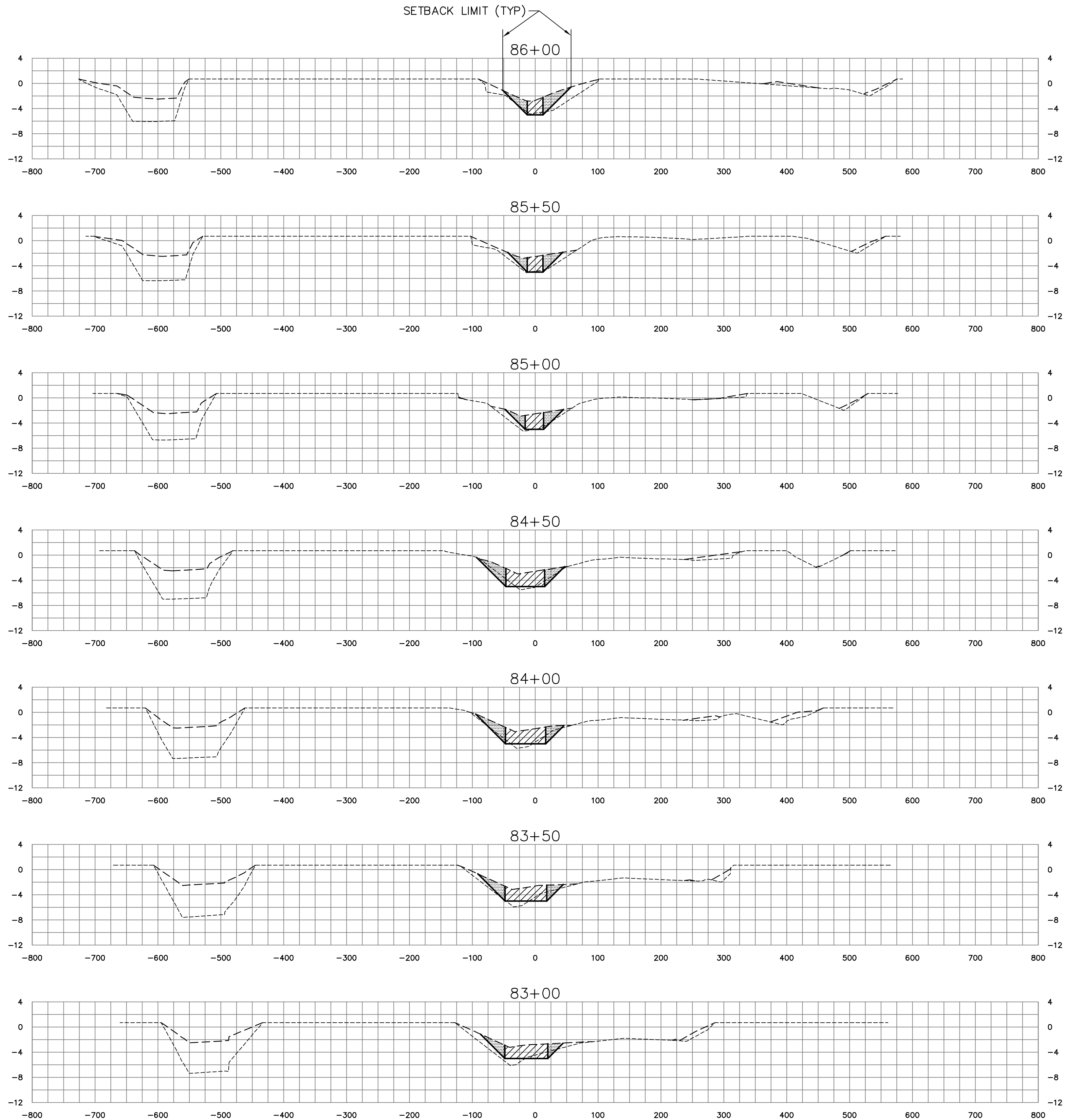
LEGEND

- APPROXIMATE PRE-MUCK SURFACE
- APPROXIMATE TOP OF MUCK SURFACE
- ▨ DENOTES BOXCUT DREDGE AREA
- ▨ DENOTES ANTICIPATED MUCK SLOUGHING AREA



ST JOHNS RIVER WATER MANAGEMENT DISTRICT SEBASTIAN RIVER MUCK REMOVAL SEBASTIAN, FLORIDA		REVISION		BY	DATE
MOFFATT & NICHOL 1509 W. SWANN AVE. SUITE 225 TAMPA, FLORIDA 33606 (813)258-8818		JOB NO. 4642-04		SHEET 25 OF 67	
100% SUBMITTAL DRAWINGS NOT TO BE USED FOR CONSTRUCTION		DATE JUNE 2005		X9	
DR		CHK	MP	TITLE	
SUBMITTED BY		DESCRIPTION			

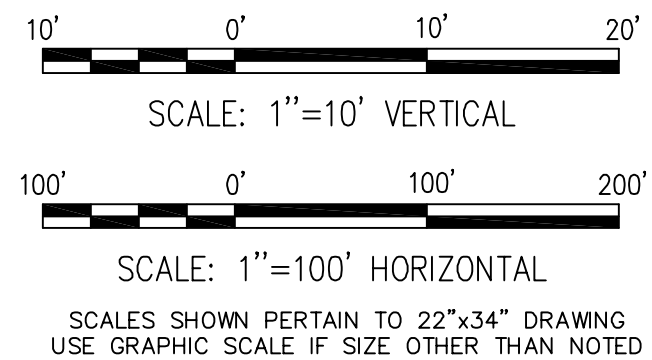
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SOUTH PRONG & MAIN BRANCH CROSS SECTIONS

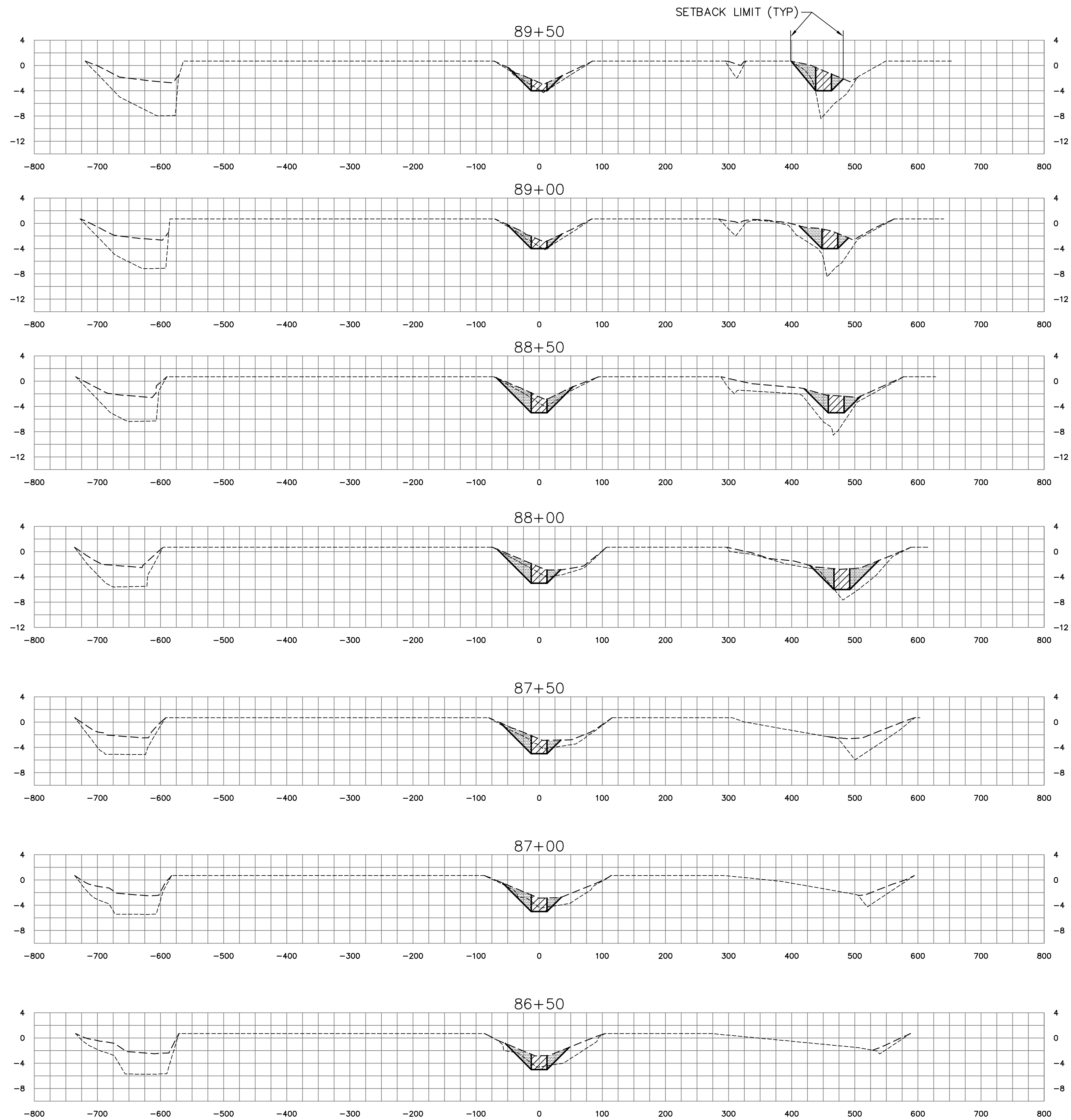
LEGEND

- APPROXIMATE PRE-MUCK SURFACE
- APPROXIMATE TOP OF MUCK SURFACE
-  DENOTES BOXCUT DREDGE AREA
-  DENOTES ANTICIPATED MUCK SLOUGHING AREA



ST JOHNS RIVER WATER MANAGEMENT DISTRICT SEBASTIAN RIVER MUCK REMOVAL SEBASTIAN, FLORIDA		REVISION		DESCRIPTION	BY	DATE
MOFFATT & NICHOL 1509 W. SWANN AVE. SUITE 225 TAMPA, FLORIDA 33606 (813)258-8818		DSGN	DR	CHK	MP	
JOB NO. 4642-04		SUBMITTED BY		TITLE		
100% SUBMITTAL DRAWINGS NOT TO BE USED FOR CONSTRUCTION						
DATE JUNE 2005						
SHEET 26 OF 67						
						
XS10						

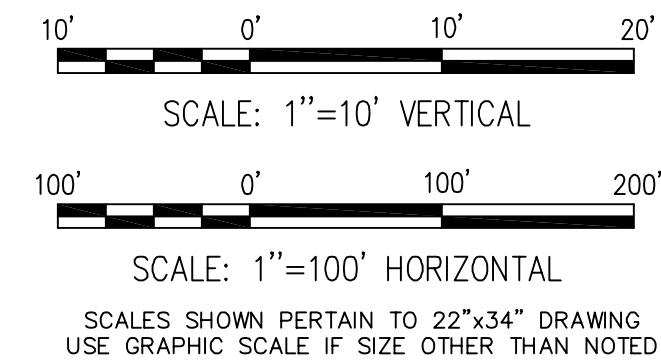
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SOUTH PRONG & MAIN BRANCH CROSS SECTIONS

LEGEND

- APPROXIMATE PRE-MUCK SURFACE
- APPROXIMATE TOP OF MUCK SURFACE
-  DENOTES BOXCUT DREDGE AREA
-  DENOTES ANTICIPATED MUCK SLOUGHING AREA



ST JOHNS RIVER WATER MANAGEMENT DISTRICT		REVISION		BY	DATE
SEBASTIAN RIVER MUCK REMOVAL		DESCRIPTION			
SEBASTIAN, FLORIDA					
DREDGE CROSS SECTIONS					
SHEET 11 OF 51					



MOFFATT & NICHOL
1509 W. SWANN AVE. SUITE 225
TAMPA, FLORIDA 33606
(813)258-8818

DSGN	DR	CHK	MP
SUBMITTED BY		TITLE	

JOB NO.	4642-04
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100% SUBMITTAL DRAWINGS

NOT TO BE USED FOR CONSTRUCTION

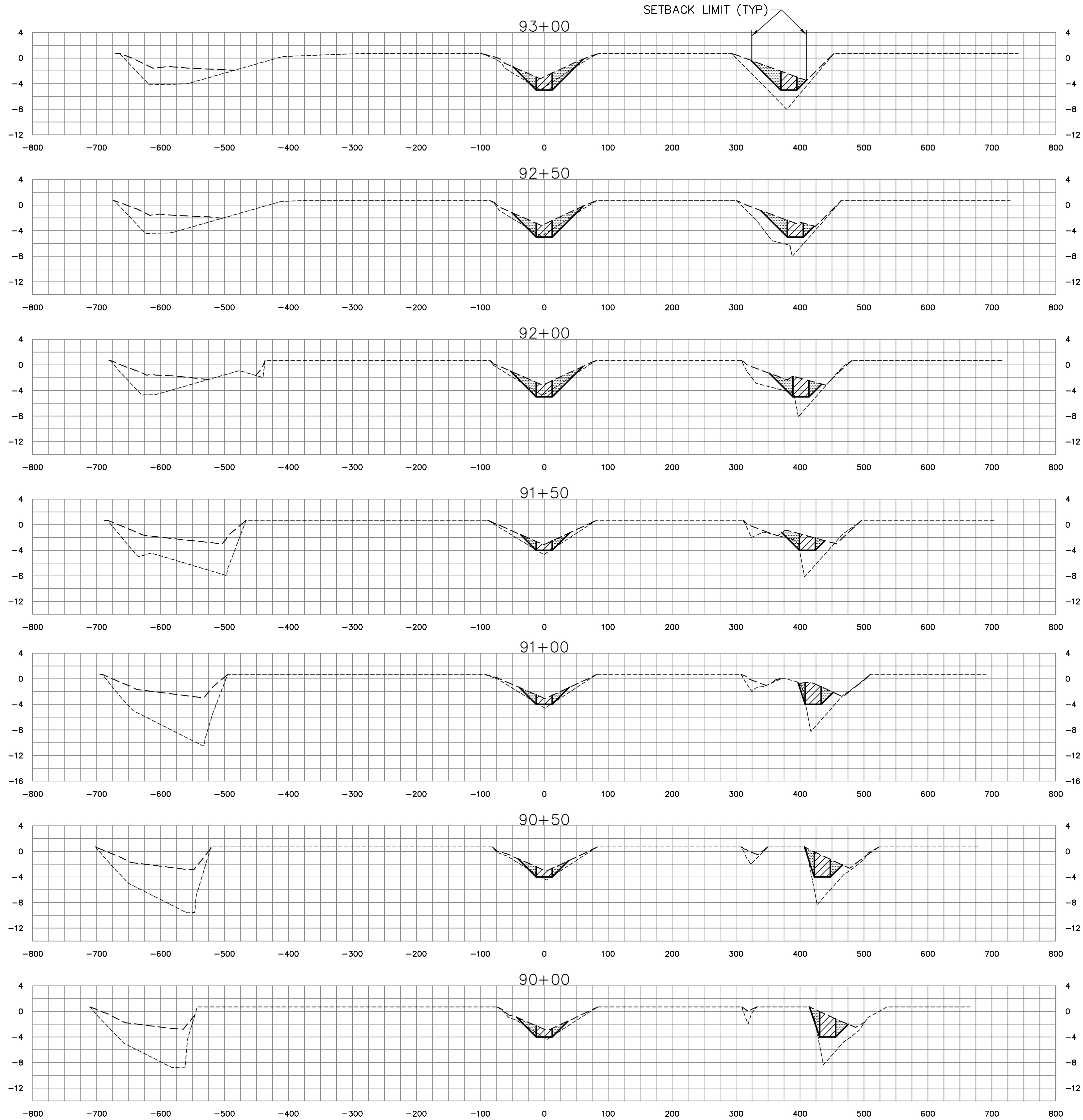
DATE	JUNE 2005
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SHEET	27	OF	67
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XS11

DWG INFO: 46420XSD12.DWG, JUN 27 2005 - 09:58 AM, CSABING, (C) MOFFATT AND NICHOL



SOUTH PRONG & MAIN BRANCH CROSS SECTIONS

LEGEND

- APPROXIMATE PRE-MUCK SURFACE
- APPROXIMATE TOP OF MUCK SURFACE
- ▨ DENOTES BOXCUT DREDGE AREA
- ▨ DENOTES ANTICIPATED MUCK SLOUGHING AREA



SCALE: 1"=10' VERTICAL



SCALE: 1"=100' HORIZONTAL

SCALES SHOWN PERTAIN TO 22"x34" DRAWING
USE GRAPHIC SCALE IF SIZE OTHER THAN NOTED

REVISION	DESCRIPTION	BY	DATE

ST JOHNS RIVER WATER MANAGEMENT DISTRICT
SEBASTIAN RIVER MUCK REMOVAL
SEBASTIAN, FLORIDA

DREDGE CROSS SECTIONS
SHEET 12 OF 51

MOFFATT & NICHOL
1509 W. SWANN AVE. SUITE 225
TAMPA, FLORIDA 33606
(813)258-8818

DSGN	DR	CHK	MP
SUBMITTED BY		TITLE	
JOB NO.	4642-04		

**100%
SUBMITTAL
DRAWINGS**

**NOT TO BE USED
FOR CONSTRUCTION**

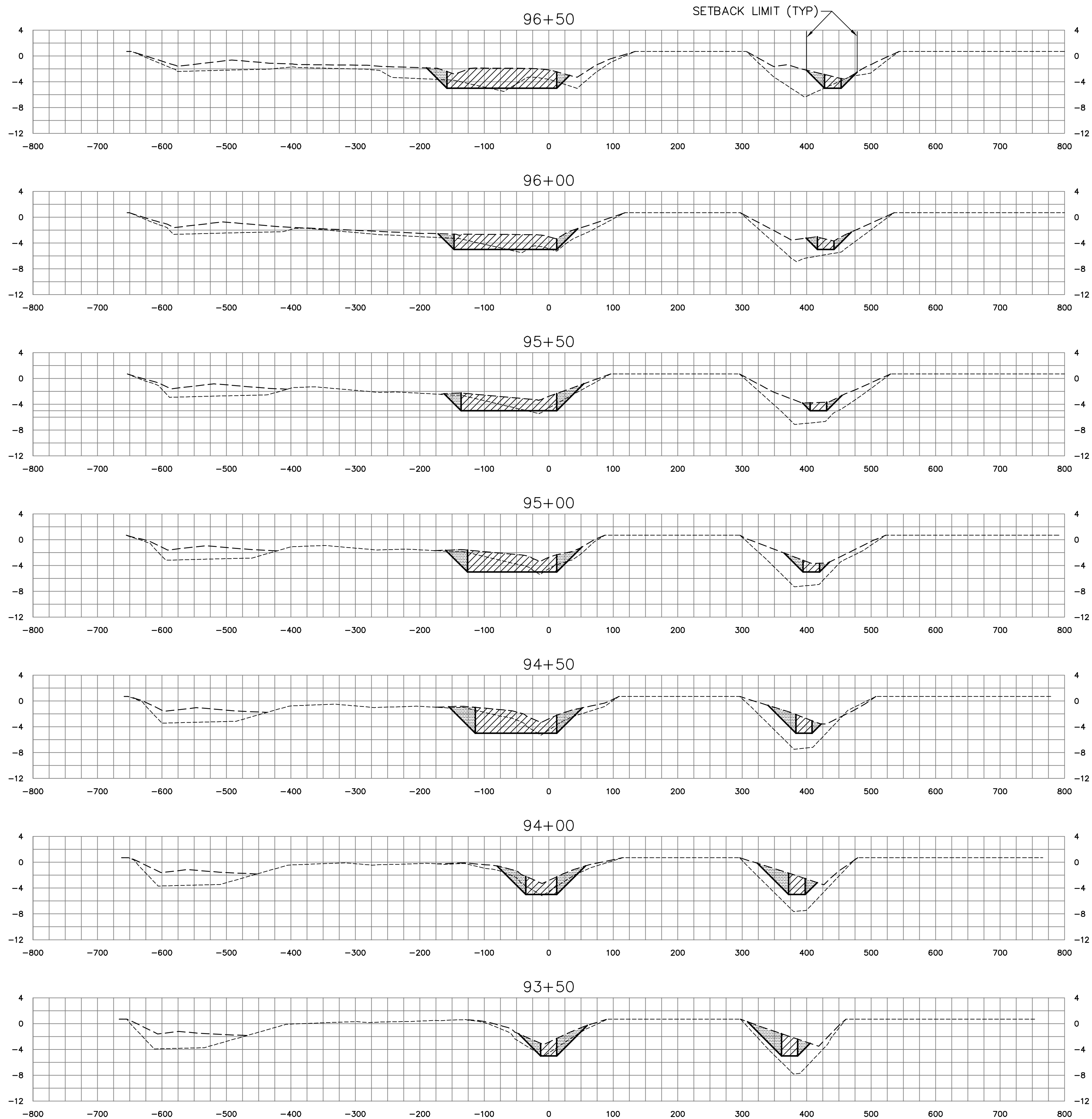
DATE JUNE 2005

SHEET 28 OF 67



XS12

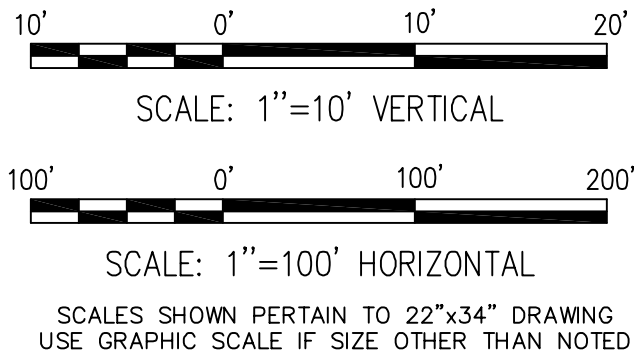
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SOUTH PRONG & MAIN BRANCH CROSS SECTIONS

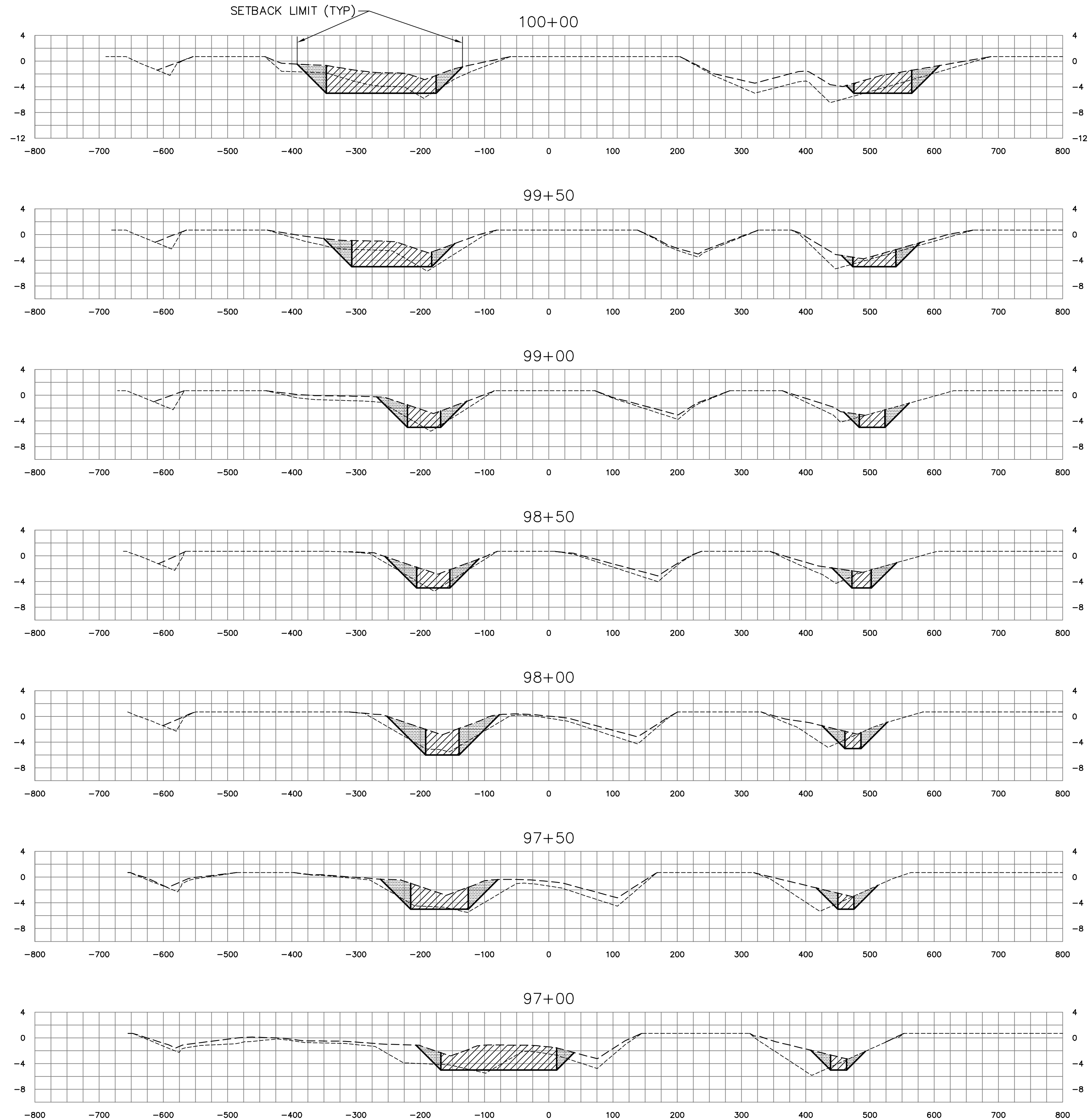
LEGEND

- APPROXIMATE PRE-MUCK SURFACE
- APPROXIMATE TOP OF MUCK SURFACE
- DIAGONAL HATCHING DENOTES BOXCUT DREDGE AREA
- CROSS-HATCHING DENOTES ANTICIPATED MUCK SLOUGHING AREA



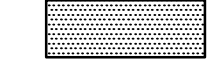
ST JOHNS RIVER WATER MANAGEMENT DISTRICT SEBASTIAN RIVER MUCK REMOVAL SEBASTIAN, FLORIDA		REVISION		DESCRIPTION	BY	DATE
MOFFATT & NICHOL 1509 W. SWANN AVE. SUITE 225 TAMPA, FLORIDA 33606 (813)258-8818		DSGN	DR	CHK	MP	
JOB NO. 4642-04		SUBMITTED BY		TITLE		
100% SUBMITTAL DRAWINGS NOT TO BE USED FOR CONSTRUCTION						
DATE JUNE 2005						
SHEET 29 OF 67						
XS13						

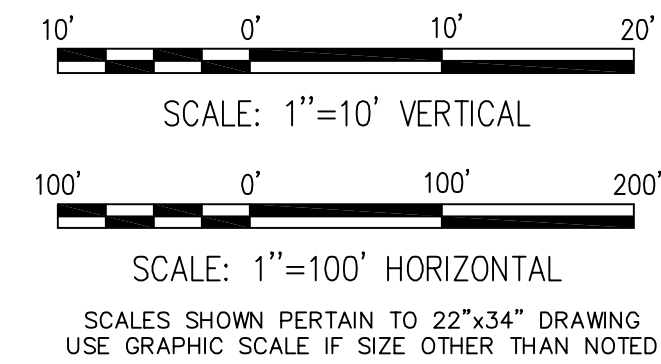
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SOUTH PRONG & MAIN BRANCH CROSS SECTIONS

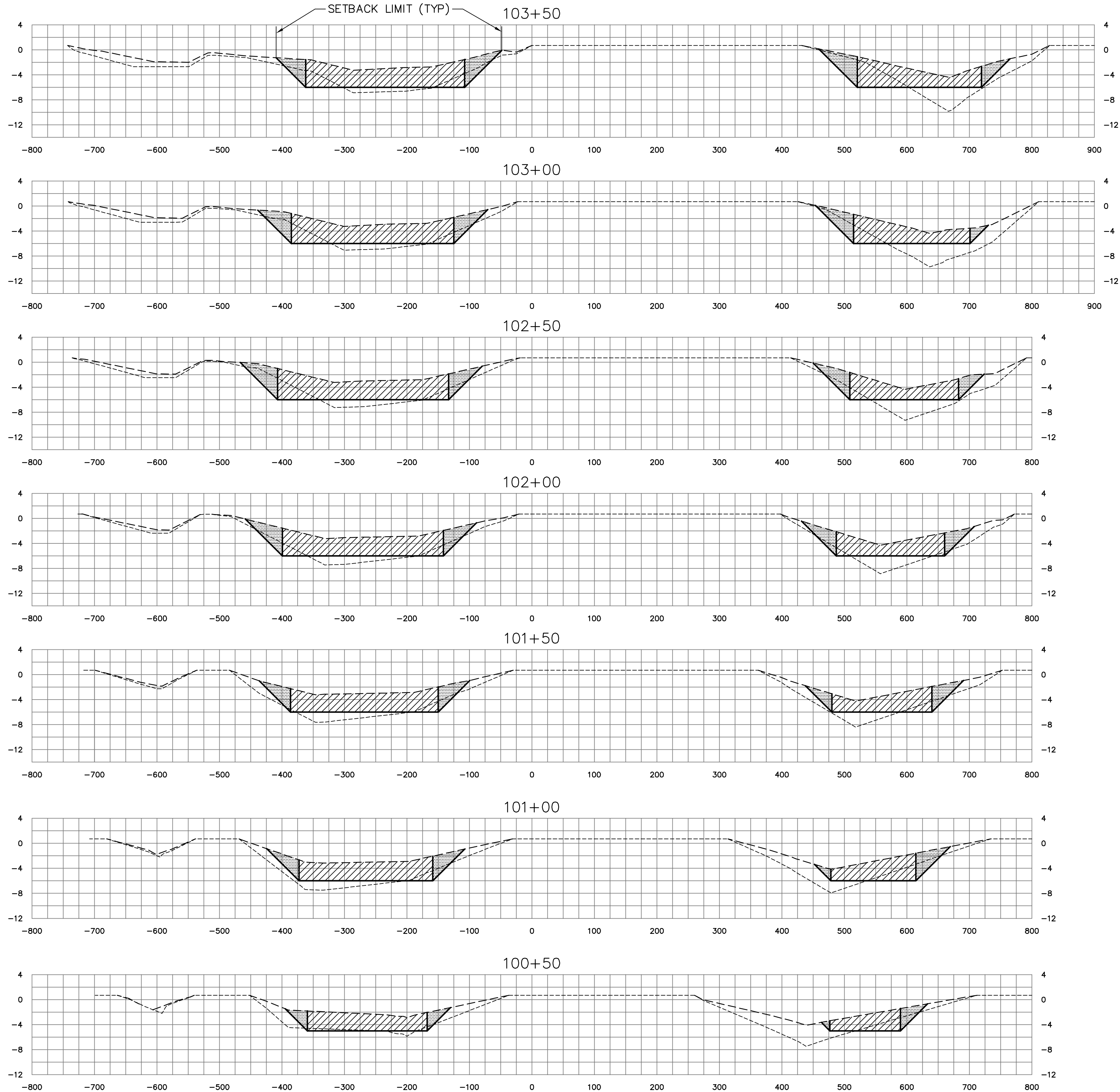
LEGEND

- APPROXIMATE PRE-MUCK SURFACE
- APPROXIMATE TOP OF MUCK SURFACE
-  DENOTES BOXCUT DREDGE AREA
-  DENOTES ANTICIPATED MUCK SLOUGHING AREA



ST JOHNS RIVER WATER MANAGEMENT DISTRICT SEBASTIAN RIVER MUCK REMOVAL SEBASTIAN, FLORIDA		REVISION		DESCRIPTION	BY	DATE
MOFFATT & NICHOL 1509 W. SWANN AVE. SUITE 225 TAMPA, FLORIDA 33606 (813)258-8818		DR	CHK	SUBMITTED BY		TITLE
DSGN	JOB NO.	4642-04	MP		DREDGE CROSS SECTIONS SHEET 14 OF 51	
100% SUBMITTAL DRAWINGS NOT TO BE USED FOR CONSTRUCTION						
DATE JUNE 2005						
SHEET 30 OF 67						
						
XS14						

DWG. INFO: 46420X05.DWG, JUN 27 2005 - 10:00 AM, CSABING, C. MOFFATT AND NICHOL



SOUTH PRONG & MAIN BRANCH CROSS SECTIONS

LEGEND

- APPROXIMATE PRE-MUCK SURFACE
- APPROXIMATE TOP OF MUCK SURFACE
- ▨ DENOTES BOXCUT DREDGE AREA
- ▨ DENOTES ANTICIPATED MUCK SLOUGHING AREA



SCALE: 1"=10' VERTICAL



SCALE: 1"=100' HORIZONTAL

SCALES SHOWN PERTAIN TO 22"x34" DRAWING
USE GRAPHIC SCALE IF SIZE OTHER THAN NOTED

REVISION	DESCRIPTION	BY	DATE

ST JOHNS RIVER WATER MANAGEMENT DISTRICT
SEBASTIAN RIVER MUCK REMOVAL
SEBASTIAN, FLORIDA

DREDGE CROSS SECTIONS
SHEET 15 OF 51

MOFFATT & NICHOL
1509 W. SWANN AVE. SUITE 225
TAMPA, FLORIDA 33606
(813)258-8818

DSGN	DR	CHK	MP
SUBMITTED BY		TITLE	
JOB NO. 4642-04			

**100%
SUBMITTAL
DRAWINGS**

**NOT TO BE USED
FOR CONSTRUCTION**

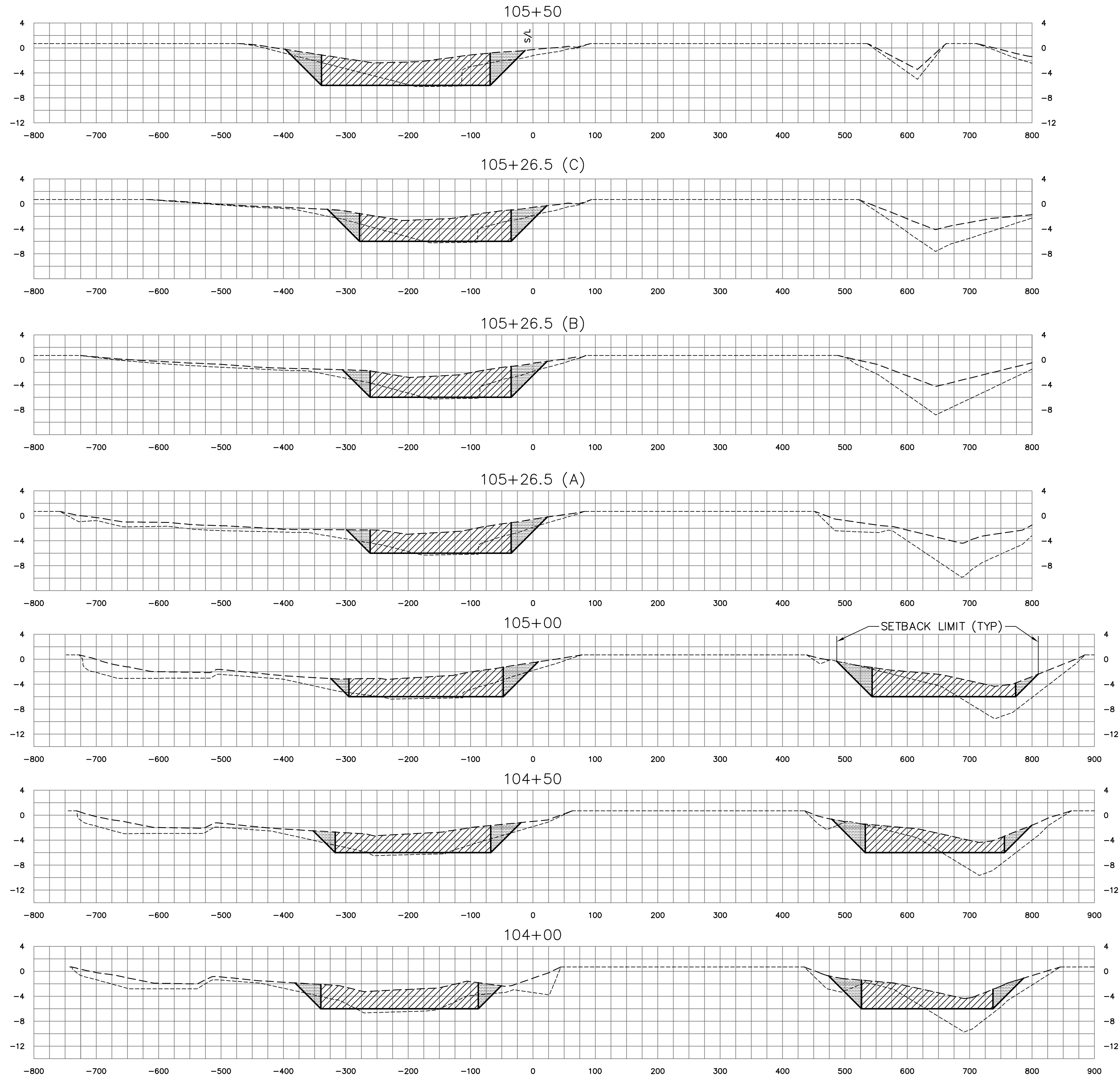
DATE JUNE 2005

SHEET 31 OF 67



XS15

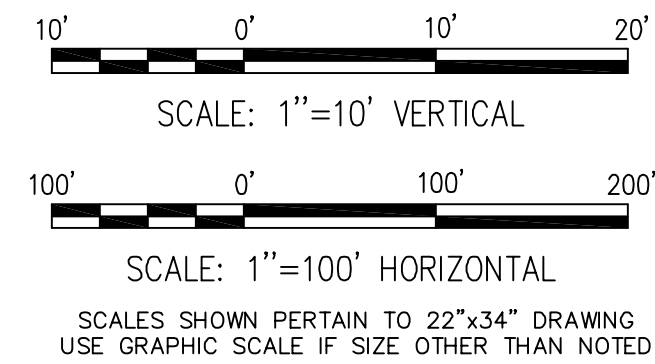
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SOUTH PRONG & MAIN BRANCH CROSS SECTIONS

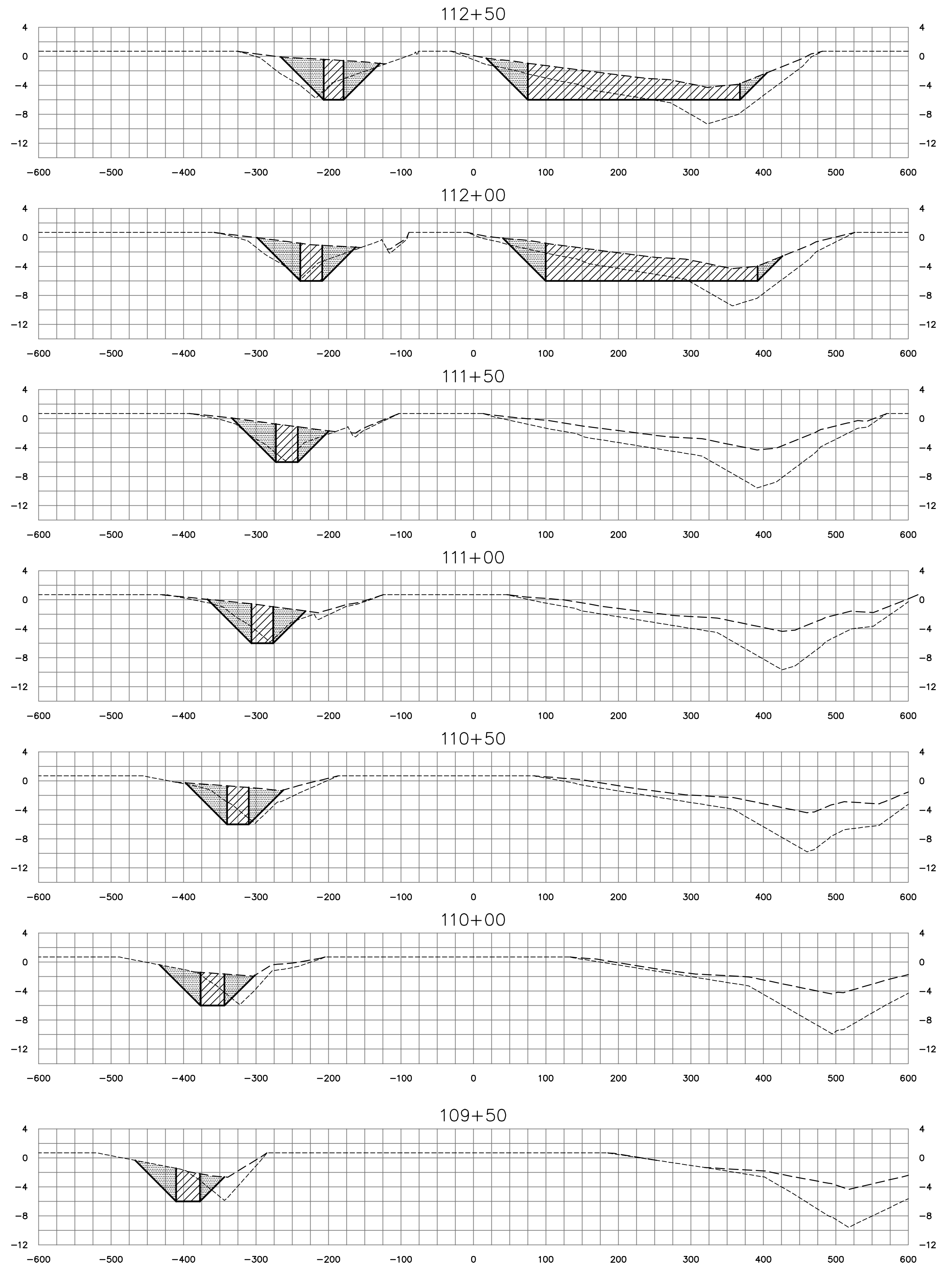
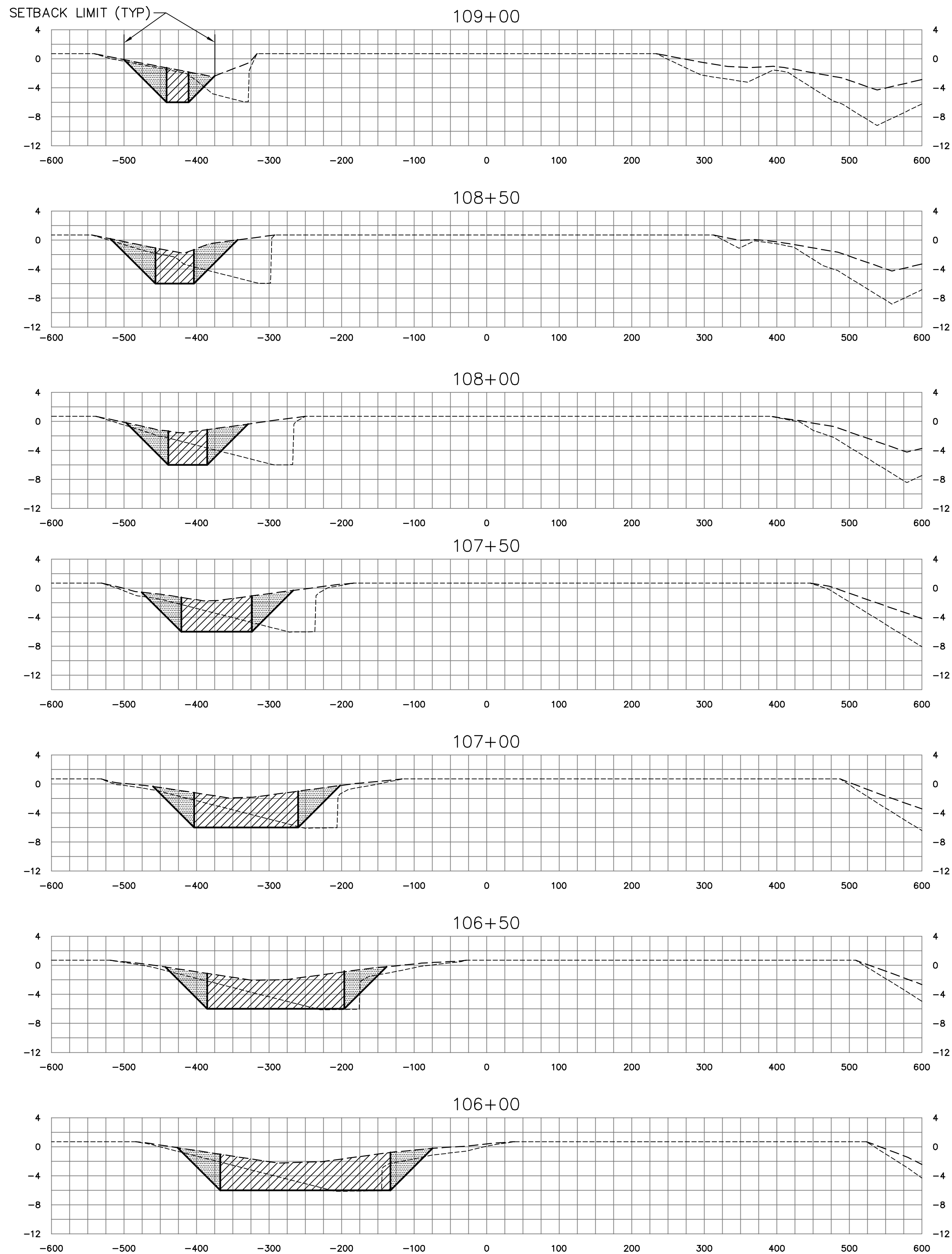
LEGEND

- APPROXIMATE PRE-MUCK SURFACE
- APPROXIMATE TOP OF MUCK SURFACE
-  DENOTES BOXCUT DREDGE AREA
-  DENOTES ANTICIPATED MUCK SLOUGHING AREA



ST JOHNS RIVER WATER MANAGEMENT DISTRICT SEBASTIAN RIVER MUCK REMOVAL SEBASTIAN, FLORIDA		REVISION		DESCRIPTION	BY	DATE
MOFFATT & NICHOL 1509 W. SWANN AVE. SUITE 225 TAMPA, FLORIDA 33606 (813)258-8818		DSGN	DR	CHK	MP	
JOB NO. 4642-04		SUBMITTED BY		TITLE		
100% SUBMITTAL DRAWINGS NOT TO BE USED FOR CONSTRUCTION						
DATE JUNE 2005						
SHEET 32 OF 67						
						
XS16						

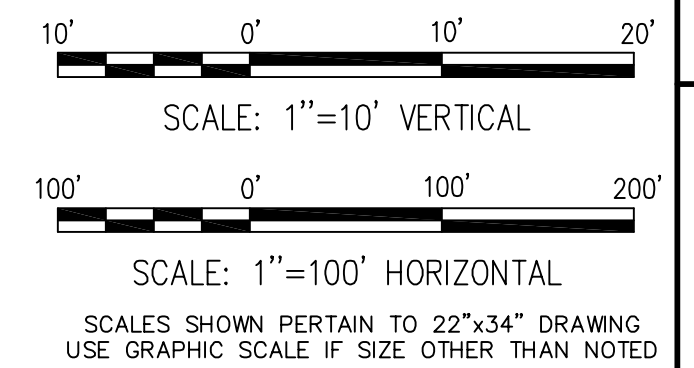
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SOUTH PRONG & MAIN BRANCH CROSS SECTIONS

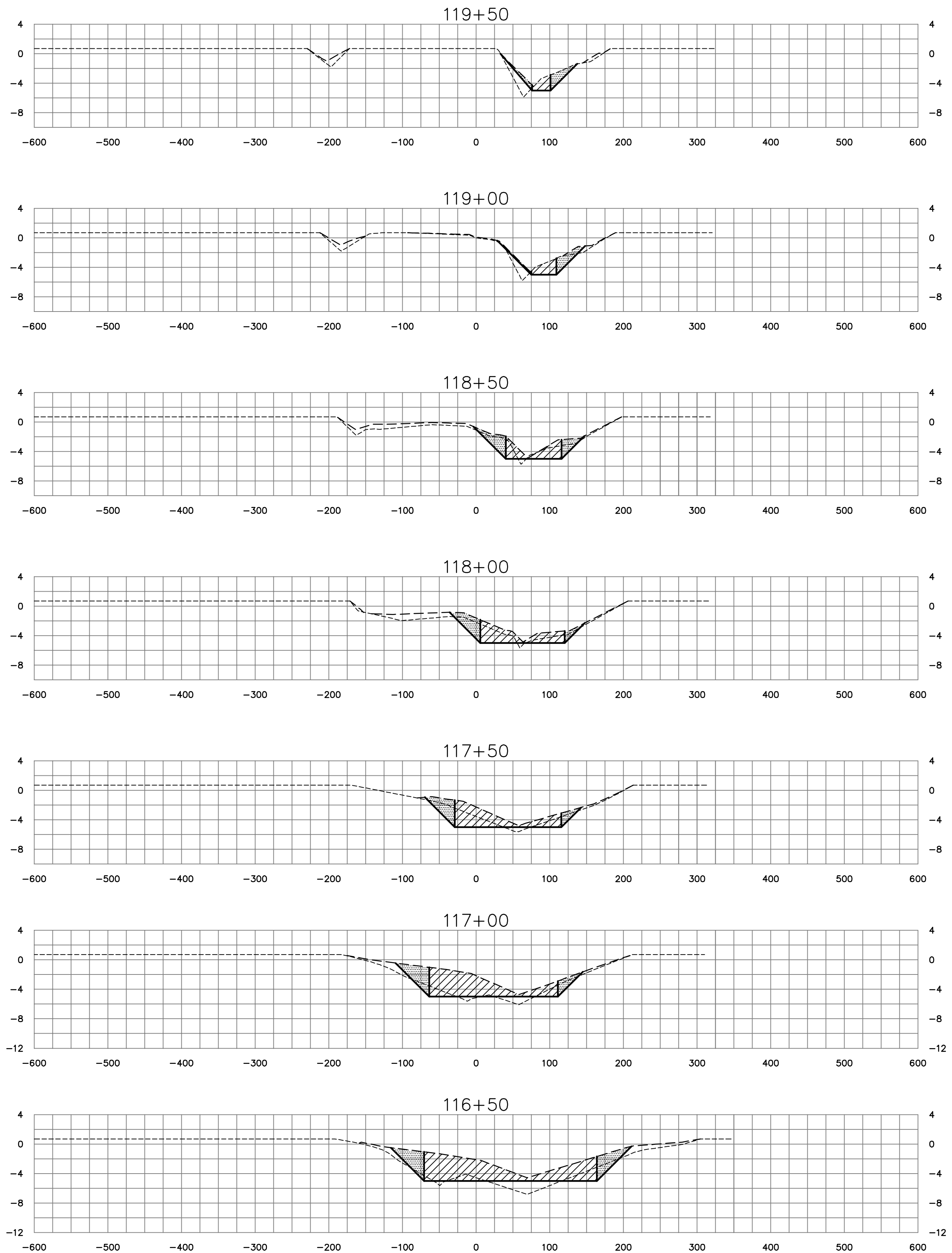
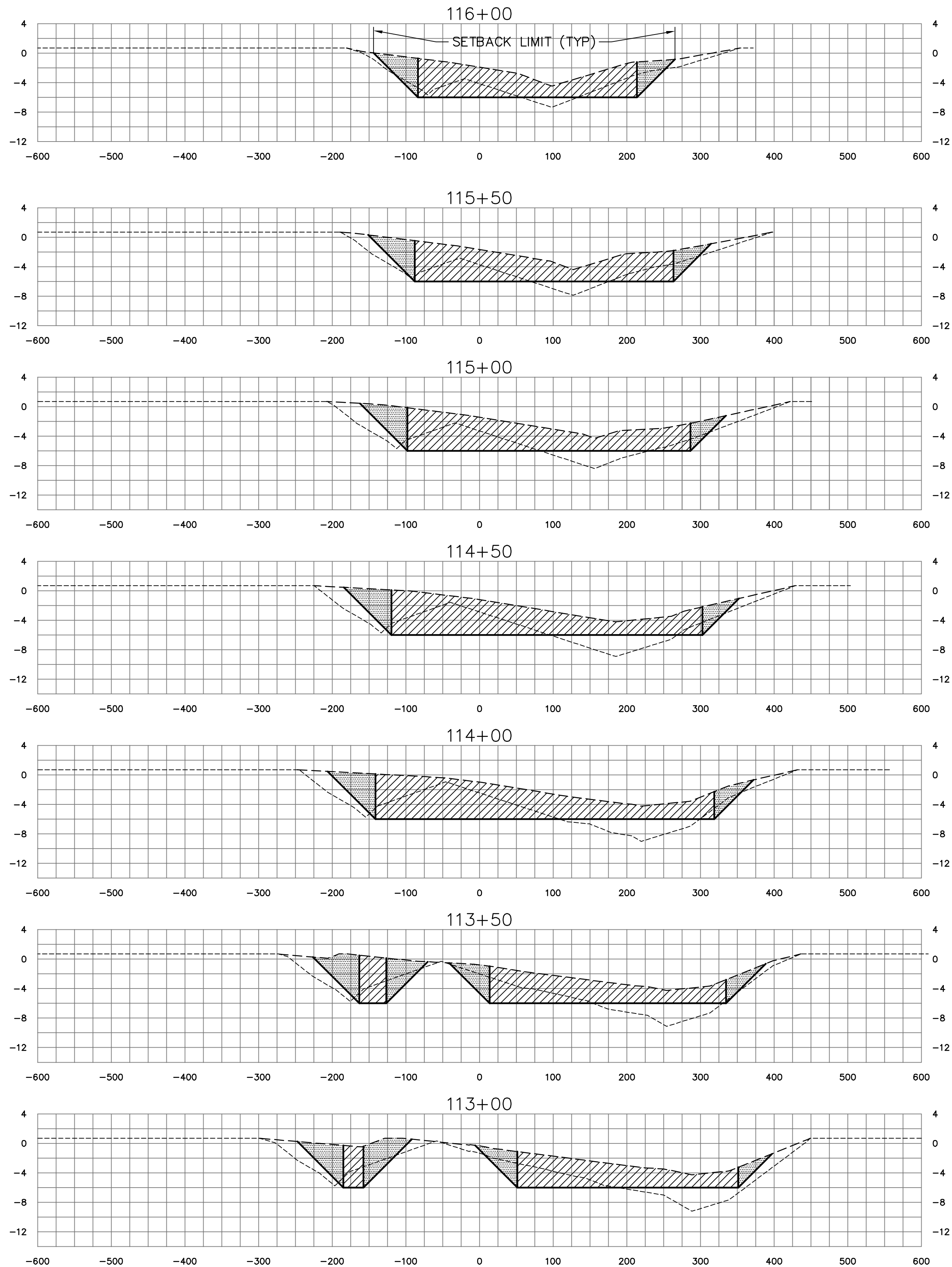
LEGEND

- APPROXIMATE PRE-MUCK SURFACE
- APPROXIMATE TOP OF MUCK SURFACE
- ////// DENOTES BOXCUT DREDGE AREA
- ||||| DENOTES ANTICIPATED MUCK SLOUGHING AREA



ST JOHNS RIVER WATER MANAGEMENT DISTRICT SEBASTIAN RIVER MUCK REMOVAL SEBASTIAN, FLORIDA		REVISION		BY	DATE
MOFFATT & NICHOL 1509 W. SWANN AVE. SUITE 225 TAMPA, FLORIDA 33606 (813)258-8818		DR	CHK	MP	
JOB NO. 4642-04		SUBMITTED BY		TITLE	
100% SUBMITTAL DRAWINGS NOT TO BE USED FOR CONSTRUCTION					
DATE JUNE 2005					
SHEET 33 OF 67					
XS17					

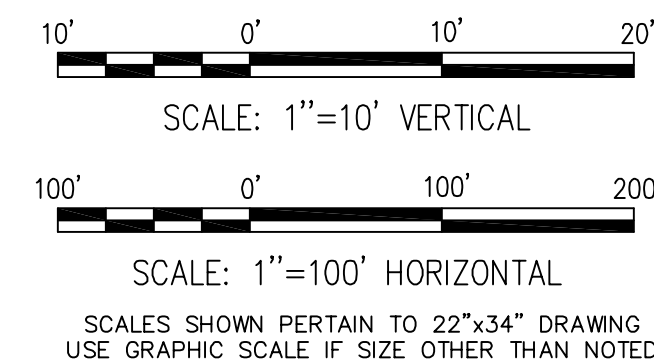
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SOUTH PRONG & MAIN BRANCH CROSS SECTIONS

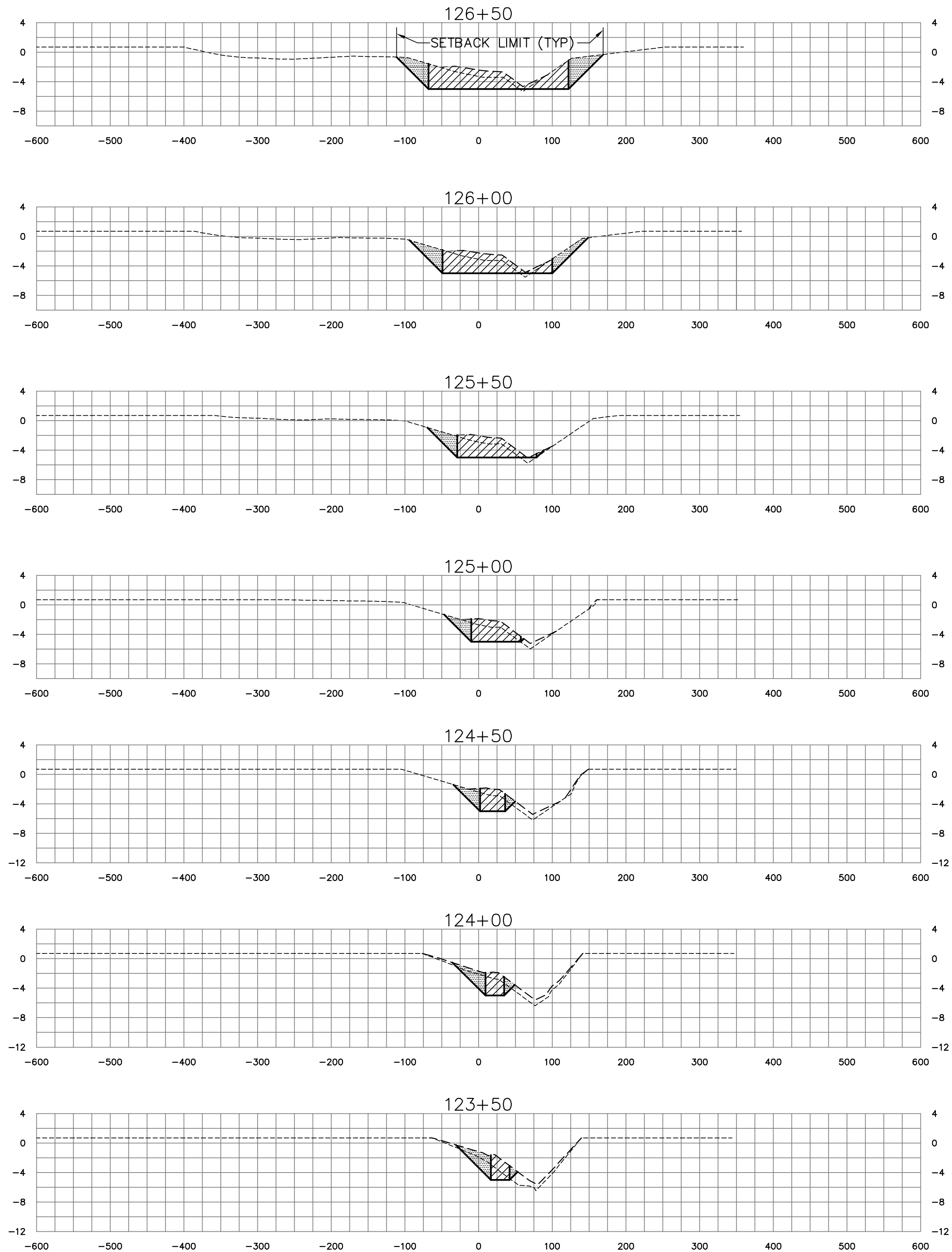
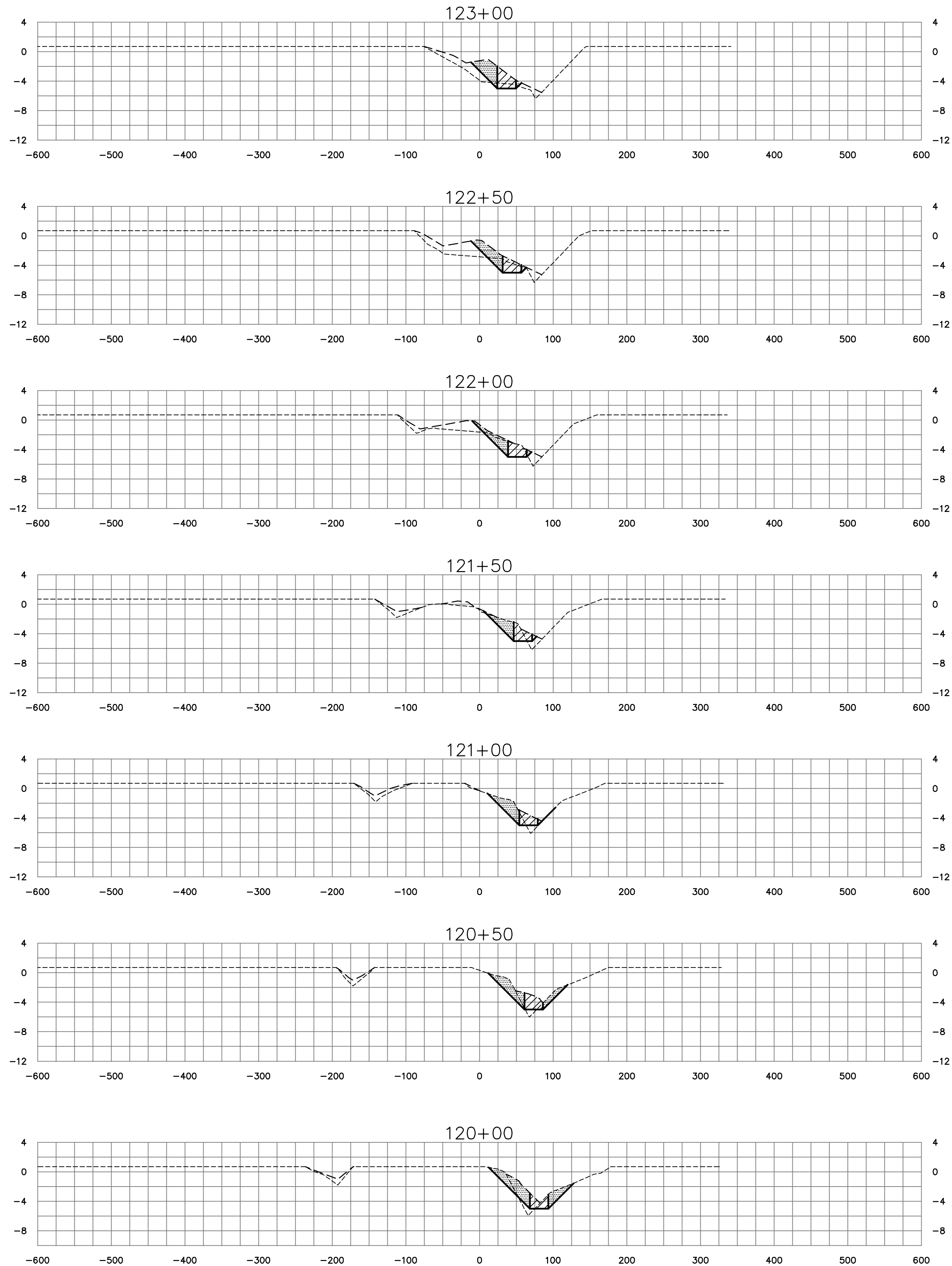
LEGEND

- APPROXIMATE PRE-MUCK SURFACE
- APPROXIMATE TOP OF MUCK SURFACE
-  DENOTES BOXCUT DREDGE AREA
-  DENOTES ANTICIPATED MUCK SLOUGHING AREA



ST JOHNS RIVER WATER MANAGEMENT DISTRICT SEBASTIAN RIVER MUCK REMOVAL SEBASTIAN, FLORIDA		REVISION		BY	DATE
MOFFATT & NICHOL 1509 W. SWANN AVE. SUITE 225 TAMPA, FLORIDA 33606 (813)258-8818		DR	CHK	MP	
JOB NO. 4642-04		SUBMITTED BY		TITLE	
100% SUBMITTAL DRAWINGS NOT TO BE USED FOR CONSTRUCTION					
DATE JUNE 2005					
SHEET 34 OF 67					
					
XS18					

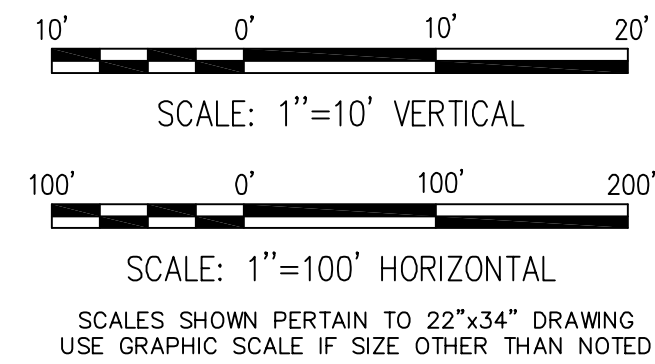
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SOUTH PRONG & MAIN BRANCH CROSS SECTIONS

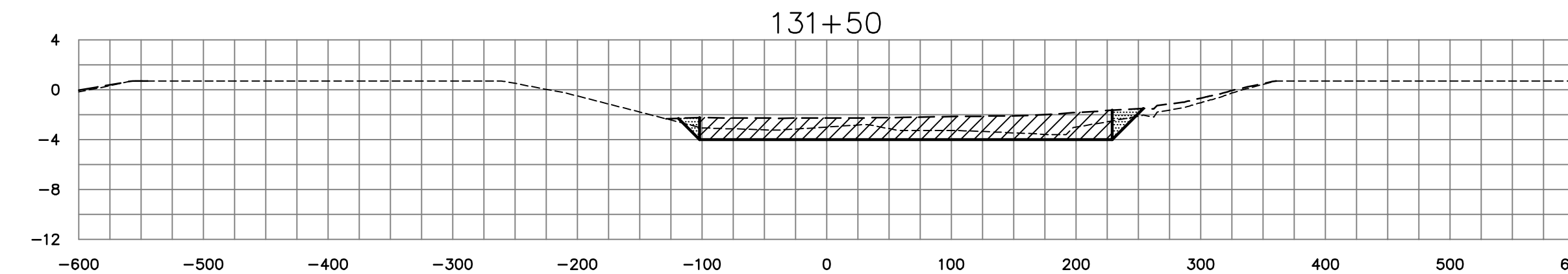
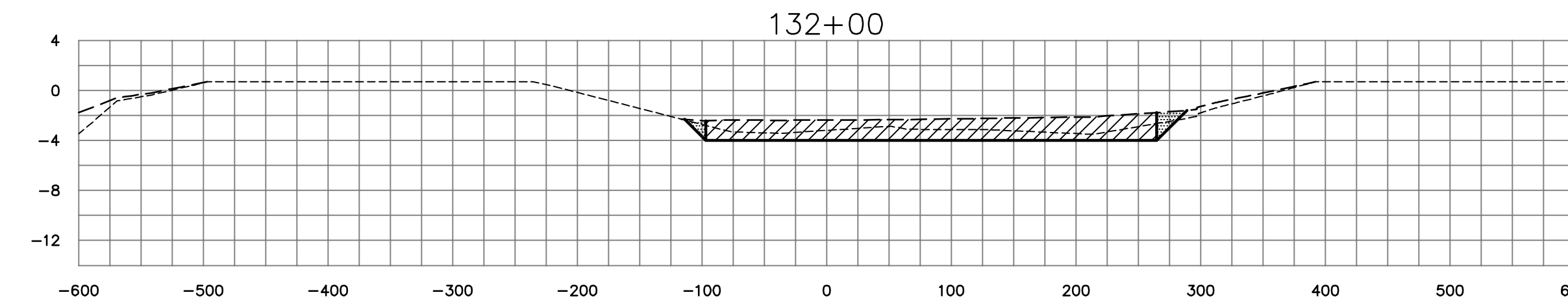
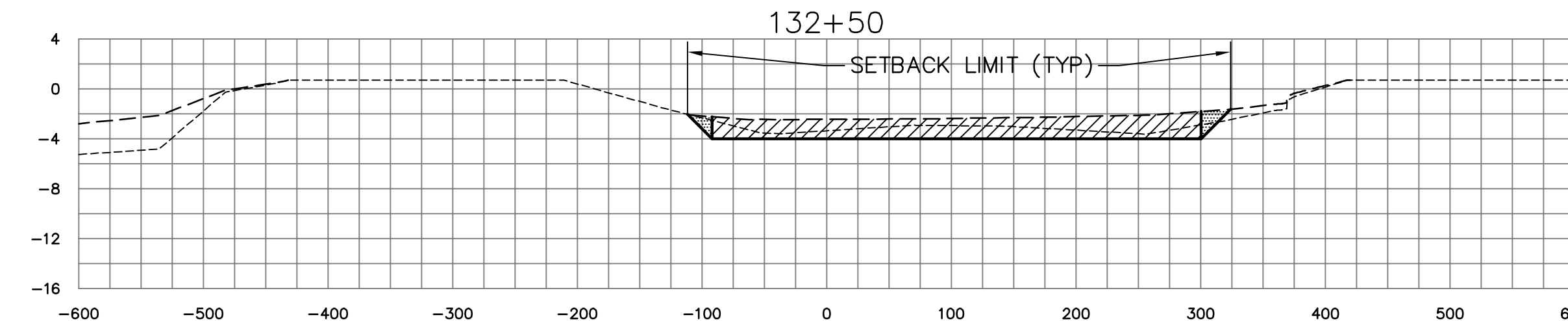
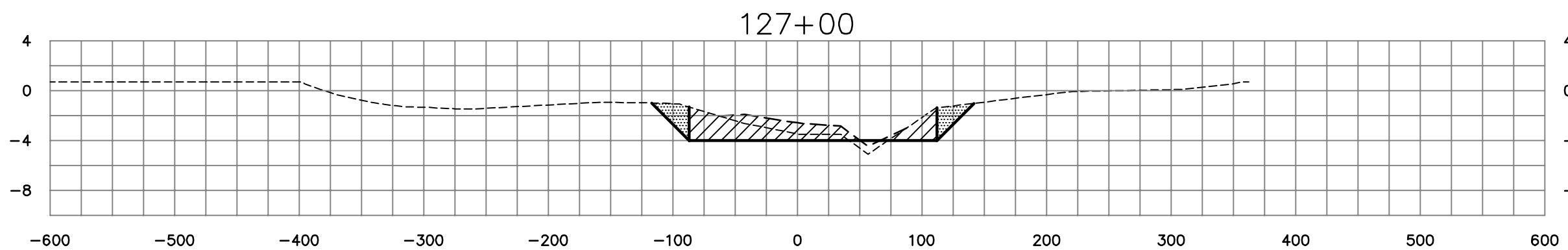
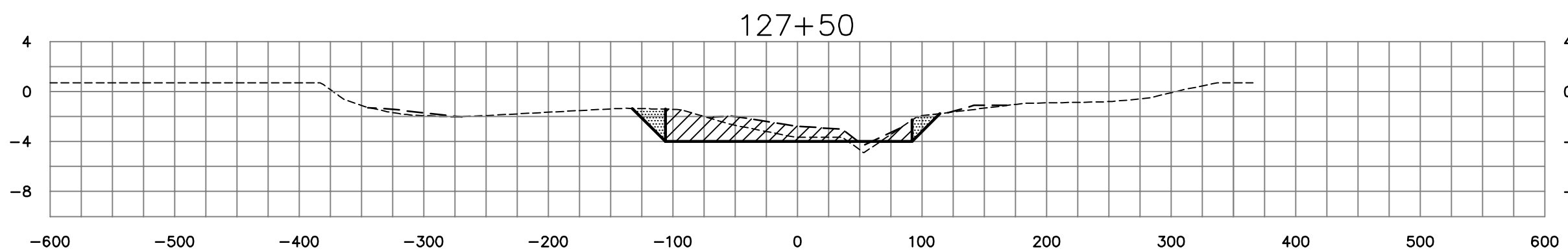
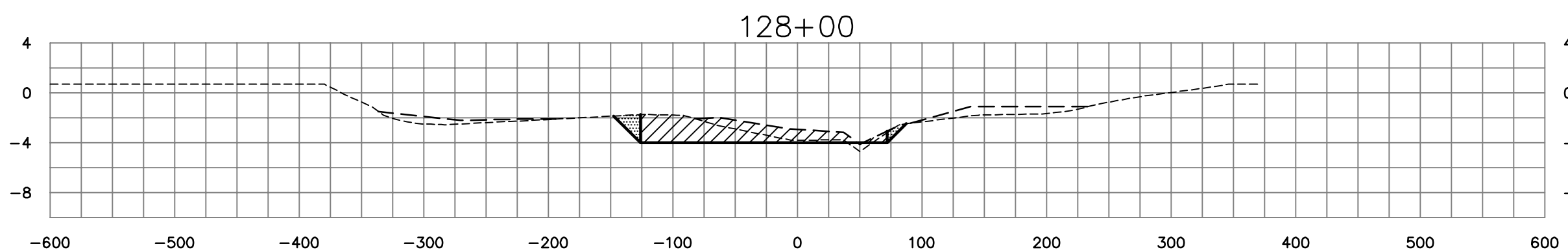
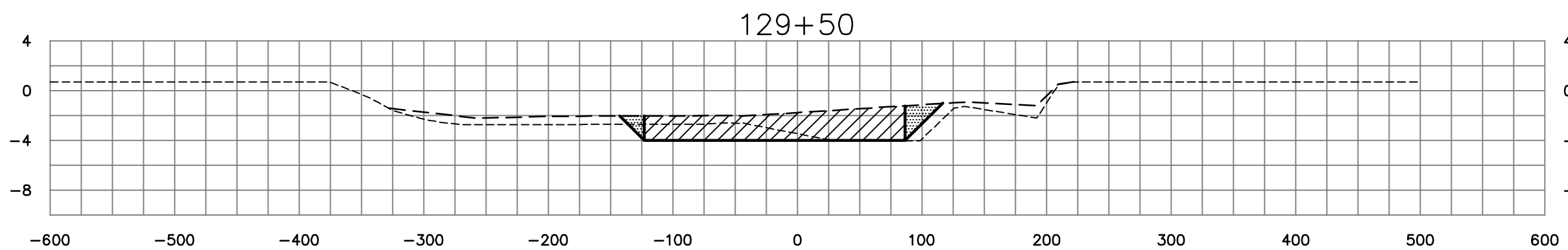
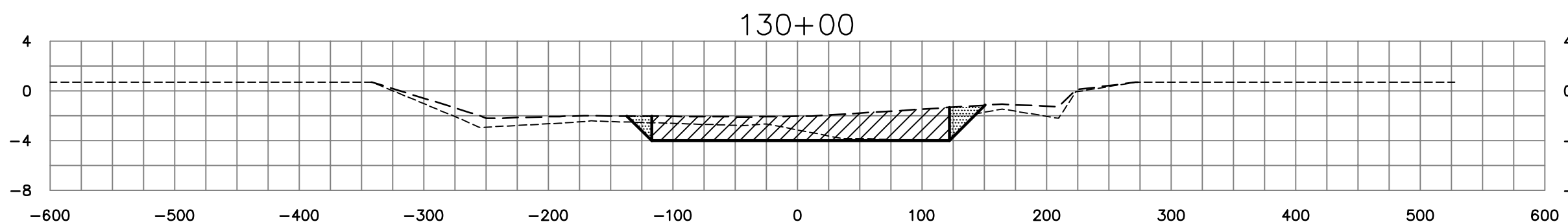
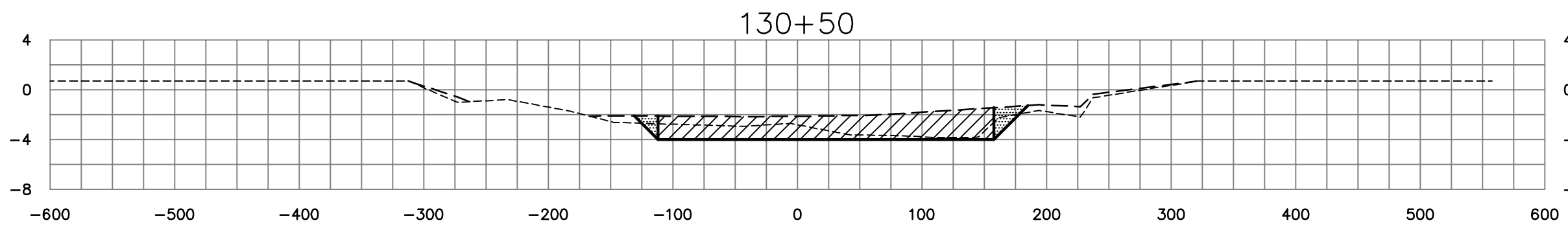
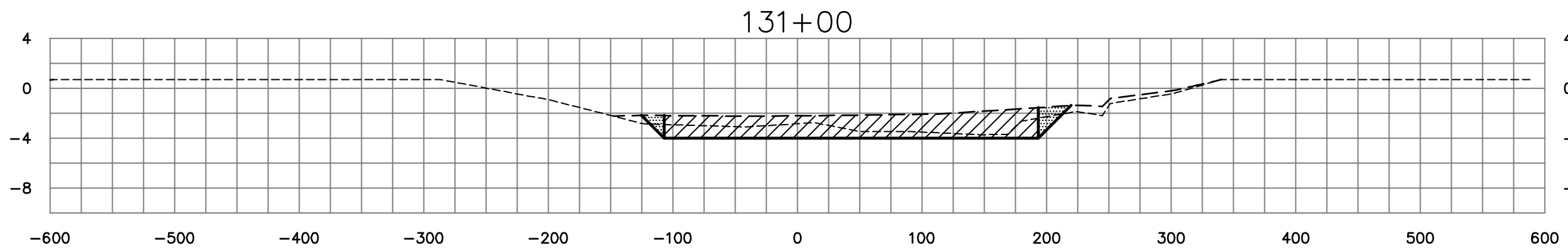
LEGEND

- APPROXIMATE PRE-MUCK SURFACE
- APPROXIMATE TOP OF MUCK SURFACE
- ▨ DENOTES BOXCUT DREDGE AREA
- ▨ DENOTES ANTICIPATED MUCK SLOUGHING AREA



ST JOHNS RIVER WATER MANAGEMENT DISTRICT SEBASTIAN RIVER MUCK REMOVAL SEBASTIAN, FLORIDA		REVISION		BY	DATE
MOFFATT & NICHOL 1509 W. SWANN AVE. SUITE 225 TAMPA, FLORIDA 33606 (813)258-8818		JOB NO. 4642-04		SHEET 35 OF 67	
100% SUBMITTAL DRAWINGS NOT TO BE USED FOR CONSTRUCTION		DATE JUNE 2005		SHEET 35 OF 67	
XS19		JOB NO. 4642-04		SHEET 35 OF 67	

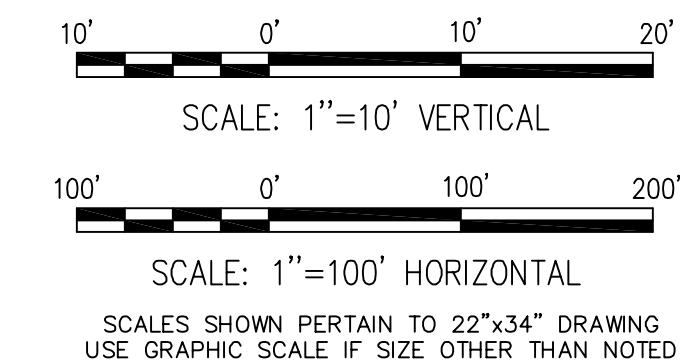
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SOUTH PRONG & MAIN BRANCH CROSS SECTIONS

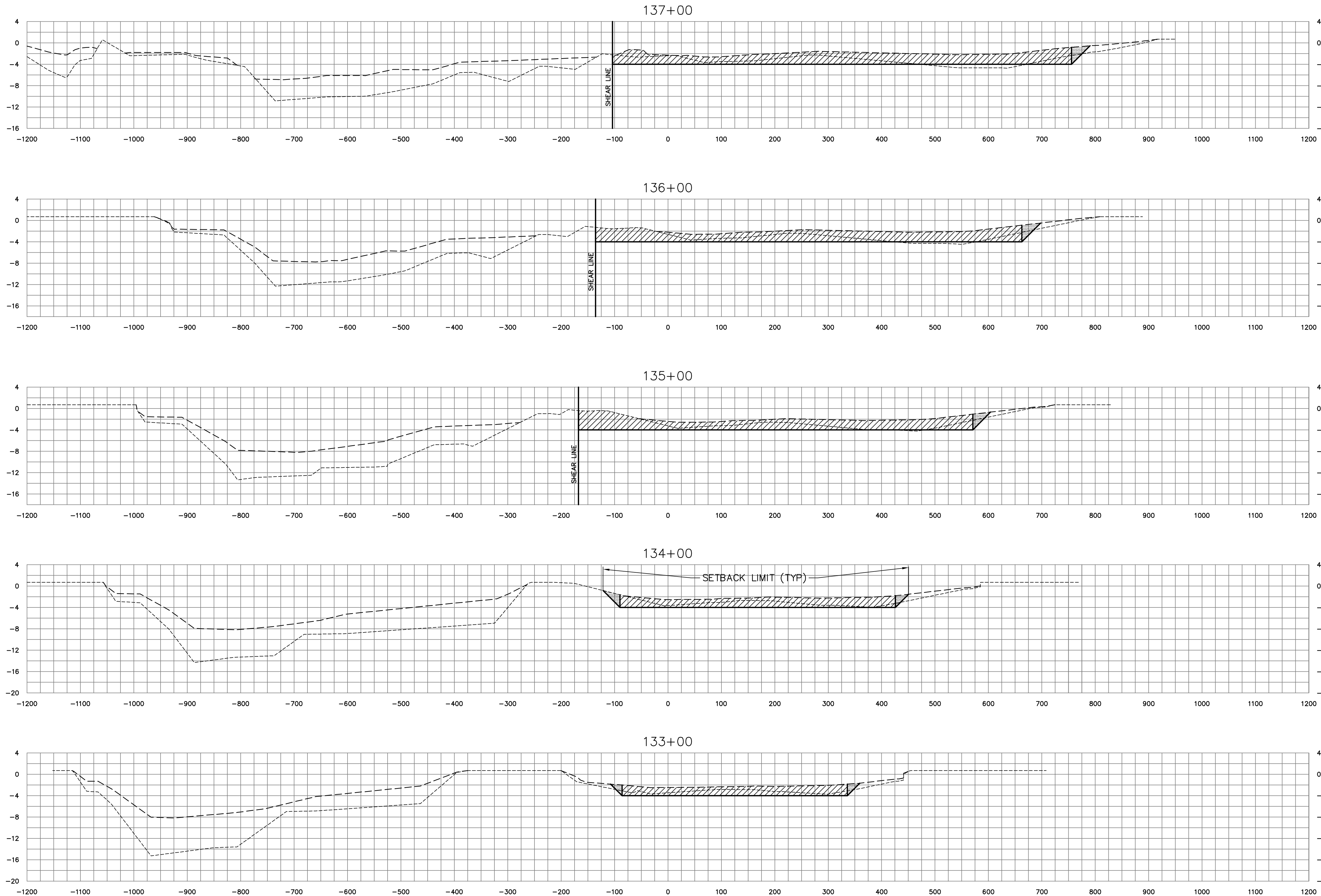
LEGEND

- APPROXIMATE PRE-MUCK SURFACE
- APPROXIMATE TOP OF MUCK SURFACE
- ▨ DENOTES BOXCUT DREDGE AREA
- ▤ DENOTES ANTICIPATED MUCK SLOUGHING AREA



ST JOHNS RIVER WATER MANAGEMENT DISTRICT		REVISION		BY	DATE
SEBASTIAN RIVER MUCK REMOVAL					
SEBASTIAN, FLORIDA					
DREDGE CROSS SECTIONS					
SHEET 20 OF 51					
MOFFATT & NICHOL		DR	CHK	MP	
1509 W. SWANN AVE. SUITE 225		SUBMITTED BY		TITLE	
TAMPA, FLORIDA 33606					
(813)258-8818					
JOB NO. 4642-04					
100% SUBMITTAL DRAWINGS					
NOT TO BE USED FOR CONSTRUCTION					
DATE JUNE 2005					
SHEET 36 OF 67					
XS20					

DWG. INFO: 46420XSD01.DWG, JUN 27 2005 - 10:54 AM, CSABING, (C) MOFFATT AND NICHOL



SOUTH PRONG & MAIN BRANCH CROSS SECTIONS

LEGEND

- APPROXIMATE PRE-MUCK SURFACE
- APPROXIMATE TOP OF MUCK SURFACE
- ▨ DENOTES BOXCUT DREDGE AREA
- ▨ DENOTES ANTICIPATED MUCK SLOUGHING AREA



SCALE: 1"=10' VERTICAL



SCALE: 1"=100' HORIZONTAL

SCALES SHOWN PERTAIN TO 22"x34" DRAWING
USE GRAPHIC SCALE IF SIZE OTHER THAN NOTED

REVISION	DESCRIPTION	BY	DATE

ST JOHNS RIVER WATER MANAGEMENT DISTRICT
SEBASTIAN RIVER MUCK REMOVAL
SEBASTIAN, FLORIDA

**DREDGE CROSS SECTIONS**
SHEET 21 OF 51

**MOFFATT & NICHOL**
1509 W. SWANN AVE. SUITE 225
TAMPA, FLORIDA 33606
(813)258-8818

DSGN	DR	CHK	MP
SUBMITTED BY		TITLE	
JOB NO. 4642-04			

**100%
SUBMITTAL
DRAWINGS**
**NOT TO BE USED
FOR CONSTRUCTION**

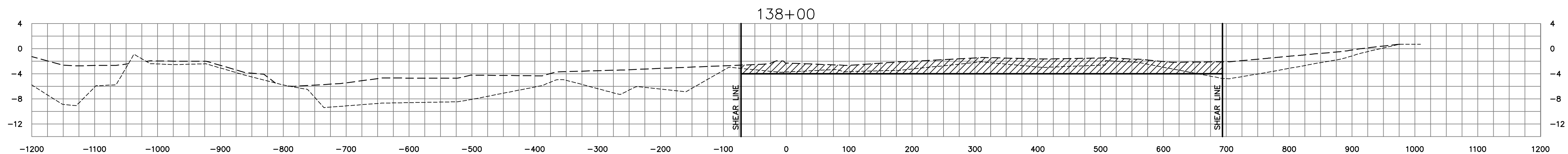
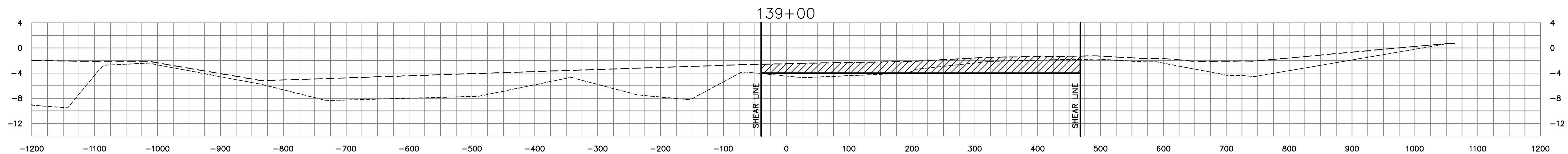
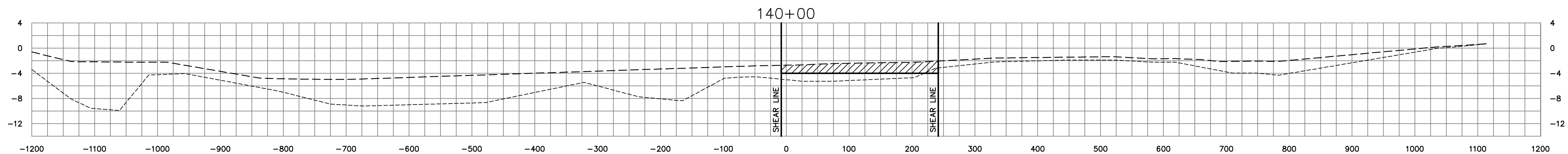
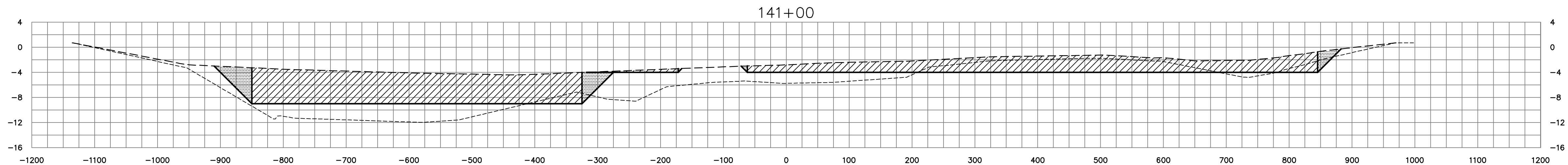
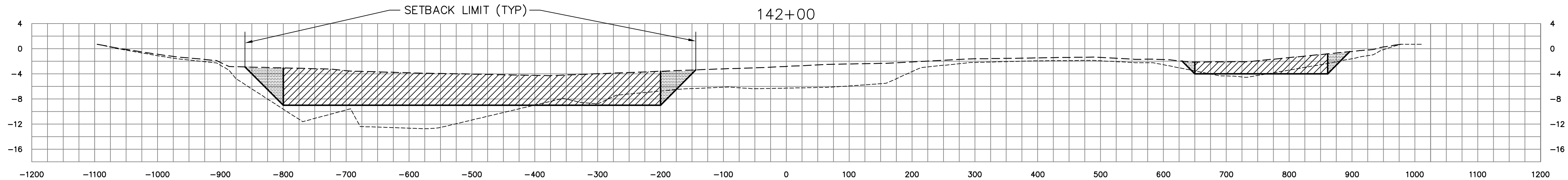
DATE JUNE 2005

SHEET 37 OF 67



XS21

DWG. INFO: 46420X02.DWG, JUN 27 2005 - 10:57 AM, CSABING, (C) MOFFATT AND NICHOL



SOUTH PRONG & MAIN BRANCH CROSS SECTIONS

LEGEND

- APPROXIMATE PRE-MUCK SURFACE
- APPROXIMATE TOP OF MUCK SURFACE
- ▨ DENOTES BOXCUT DREDGE AREA
- ▩ DENOTES ANTICIPATED MUCK SLOUGHING AREA

10' 0' 10' 20'

SCALE: 1"=10' VERTICAL

100' 0' 100' 200'

SCALE: 1"=100' HORIZONTAL

SCALES SHOWN PERTAIN TO 22"x34" DRAWING
USE GRAPHIC SCALE IF SIZE OTHER THAN NOTED

REVISION	DESCRIPTION	BY	DATE

ST JOHNS RIVER WATER MANAGEMENT DISTRICT
SEBASTIAN RIVER MUCK REMOVAL
SEBASTIAN, FLORIDA

DREDGE CROSS SECTIONS
SHEET 22 OF 51



MOFFATT & NICHOL
1509 W. SWANN AVE. SUITE 225
TAMPA, FLORIDA 33606
(813)258-8818

DSGN	DR	CHK	MP
SUBMITTED BY		TITLE	
JOB NO. 4642-04			

**100%
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DRAWINGS**

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FOR CONSTRUCTION**

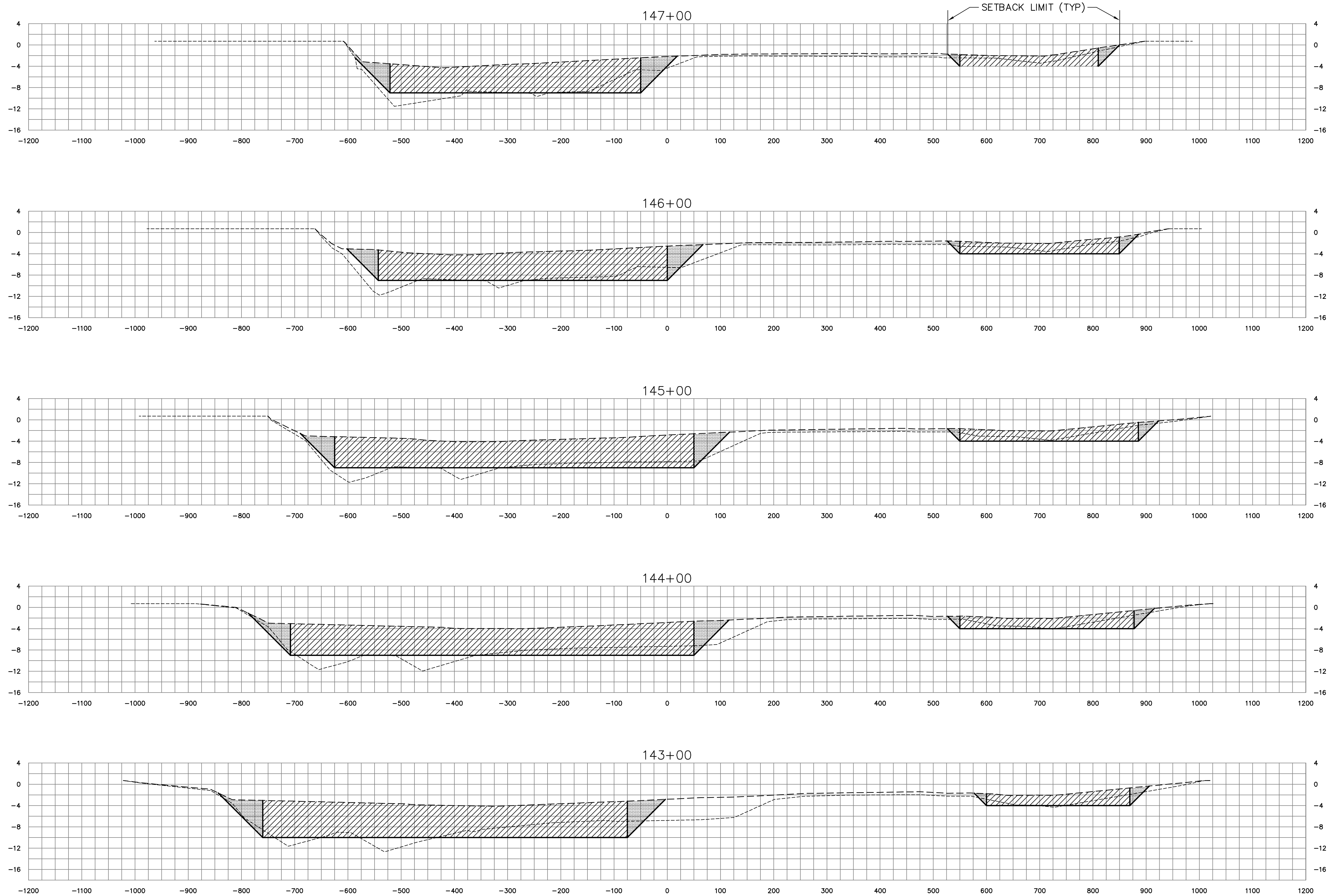
DATE JUNE 2005

SHEET 38 OF 67



XS22

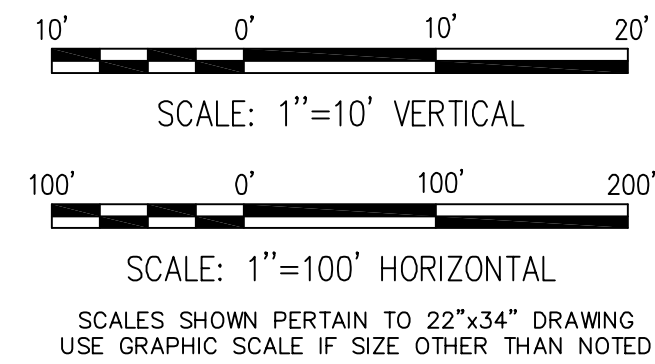
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SOUTH PRONG & MAIN BRANCH CROSS SECTIONS

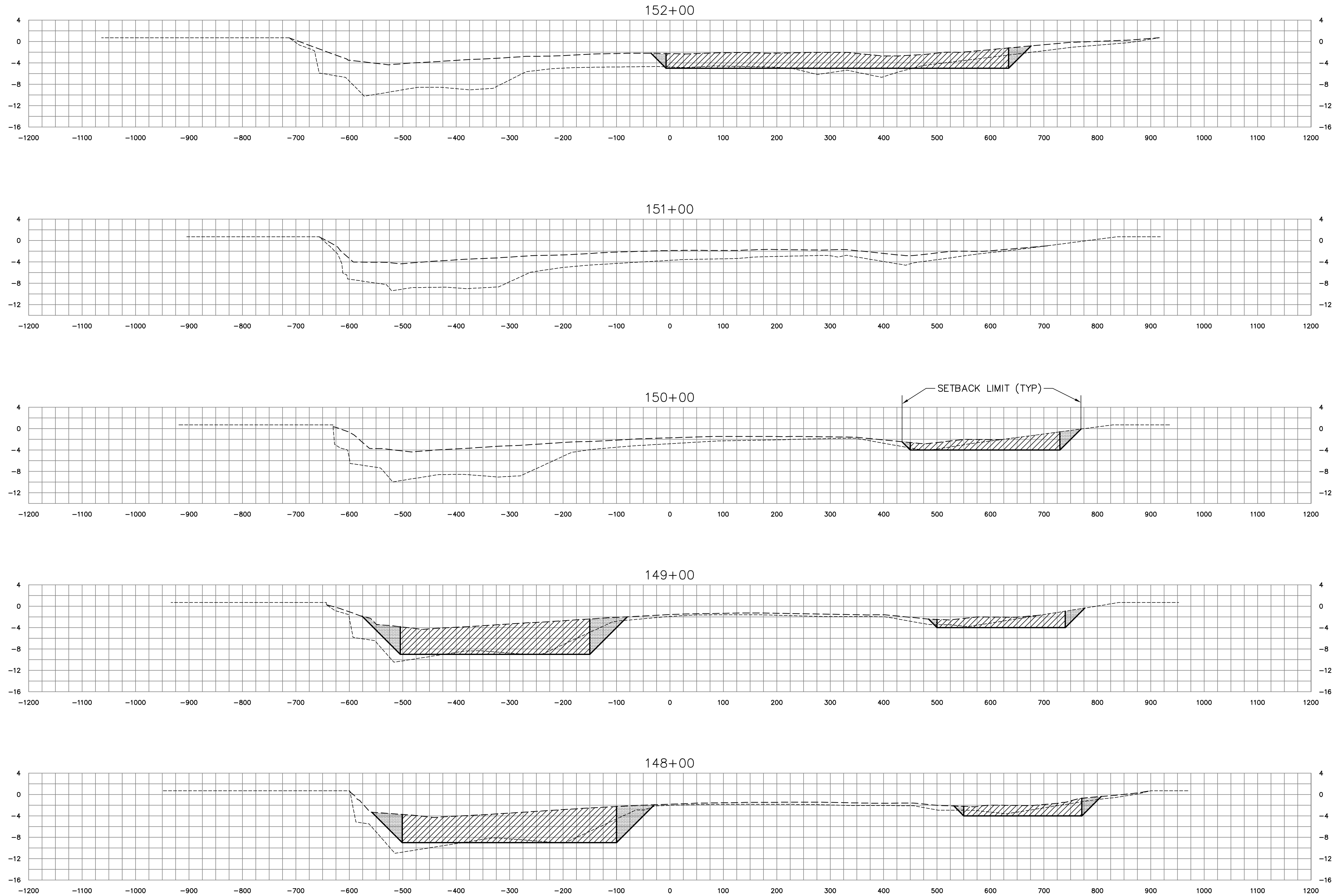
LEGEND

- APPROXIMATE PRE-MUCK SURFACE
- APPROXIMATE TOP OF MUCK SURFACE
- DENOTES BOXCUT DREDGE AREA
- DENOTES ANTICIPATED MUCK SLOUGHING AREA



ST JOHNS RIVER WATER MANAGEMENT DISTRICT SEBASTIAN RIVER MUCK REMOVAL SEBASTIAN, FLORIDA		DREDGE CROSS SECTIONS SHEET 23 OF 51	
MOFFATT & NICHOL 1509 W. SWANN AVE. SUITE 225 TAMPA, FLORIDA 33606 (813)258-8818		DR	CHK
DSGN	JOB NO. 4642-04	SUBMITTED BY	MP
DATE JUNE 2005			
SHEET 39 OF 67			
100% SUBMITTAL DRAWINGS NOT TO BE USED FOR CONSTRUCTION			
XS23			

DWG. INFO: 46420XSC04.DWG, JUN 27 2005 -- 10:21 AM, CSABING, (C) MOFFATT AND NICHOL



SOUTH PRONG & MAIN BRANCH CROSS SECTIONS

LEGEND

- APPROXIMATE PRE-MUCK SURFACE
- APPROXIMATE TOP OF MUCK SURFACE
- ▨ DENOTES BOXCUT DREDGE AREA
- ▨ DENOTES ANTICIPATED MUCK SLOUGHING AREA

10' 0' 10' 20'

SCALE: 1"=10' VERTICAL

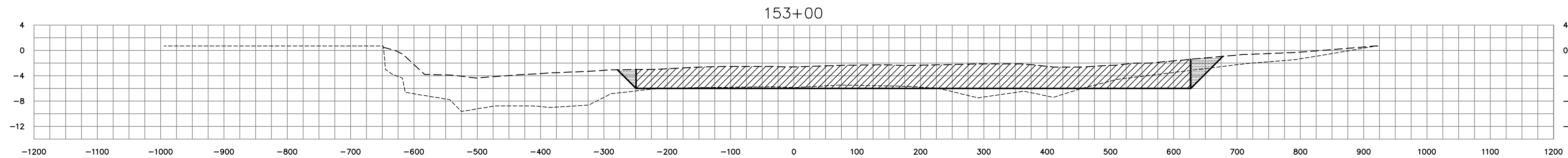
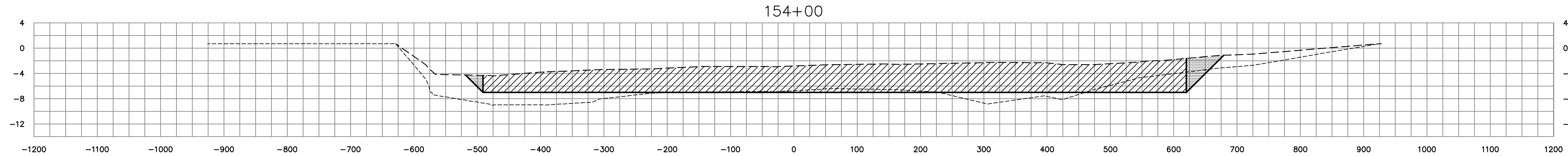
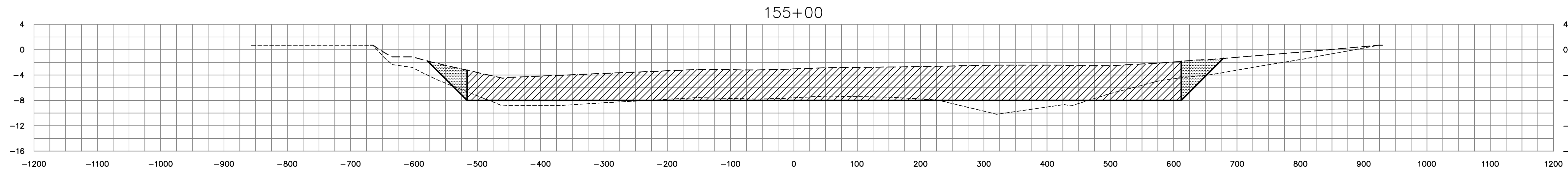
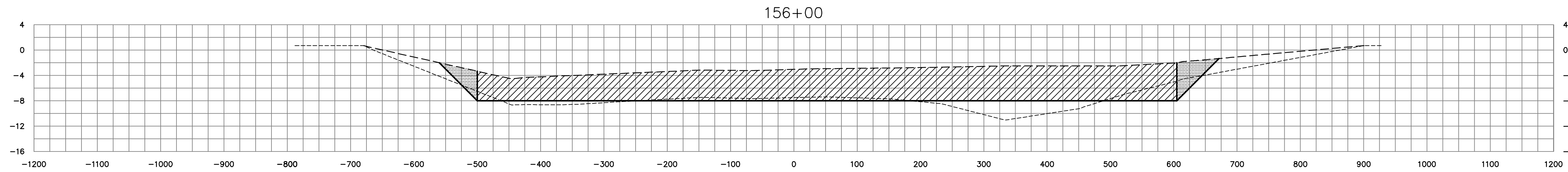
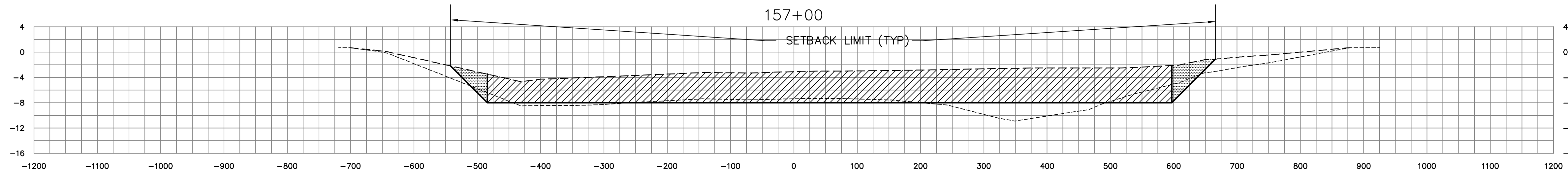
100' 0' 100' 200'

SCALE: 1"=100' HORIZONTAL

SCALES SHOWN PERTAIN TO 22"x34" DRAWING
USE GRAPHIC SCALE IF SIZE OTHER THAN NOTED

ST JOHNS RIVER WATER MANAGEMENT DISTRICT SEBASTIAN RIVER MUCK REMOVAL SEBASTIAN, FLORIDA		DREDGE CROSS SECTIONS SHEET 24 OF 51	
MOFFATT & NICHOL 1509 W. SWANN AVE. SUITE 225 TAMPA, FLORIDA 33606 (813)258-8818		DR	CHK
DESIGN	JOB NO. 4642-04	SUBMITTED BY	MP
DATE JUNE 2005			
SHEET 40 OF 67			
100% SUBMITTAL DRAWINGS NOT TO BE USED FOR CONSTRUCTION			
XS24			

DWG. INFO: 46420X05.DWG, JUN 27 2005 -- 10:26 AM, CSABING, (C) MOFFATT AND NICHOL



SOUTH PRONG & MAIN BRANCH CROSS SECTIONS

LEGEND

- APPROXIMATE PRE-MUCK SURFACE
- APPROXIMATE TOP OF MUCK SURFACE
- ▨ DENOTES BOXCUT DREDGE AREA
- ▨ DENOTES ANTICIPATED MUCK SLOUGHING AREA

10' 0' 10' 20'

SCALE: 1"=10' VERTICAL

100' 0' 100' 200'

SCALE: 1"=100' HORIZONTAL

SCALES SHOWN PERTAIN TO 22"x34" DRAWING
USE GRAPHIC SCALE IF SIZE OTHER THAN NOTED

REVISION	DESCRIPTION	BY	DATE

ST JOHNS RIVER WATER MANAGEMENT DISTRICT
SEBASTIAN RIVER MUCK REMOVAL
SEBASTIAN, FLORIDA



DREDGE CROSS SECTIONS
SHEET 25 OF 51

MOFFATT & NICHOL
1509 W. SWANN AVE. SUITE 225
TAMPA, FLORIDA 33606
(813)258-8818

DSGN	DR	CHK	MP
JOB NO.	4642-04	SUBMITTED BY	TITLE

**100%
SUBMITTAL
DRAWINGS**
**NOT TO BE USED
FOR CONSTRUCTION**

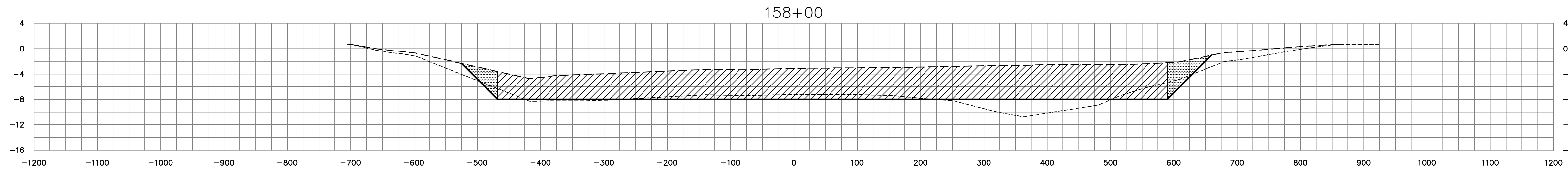
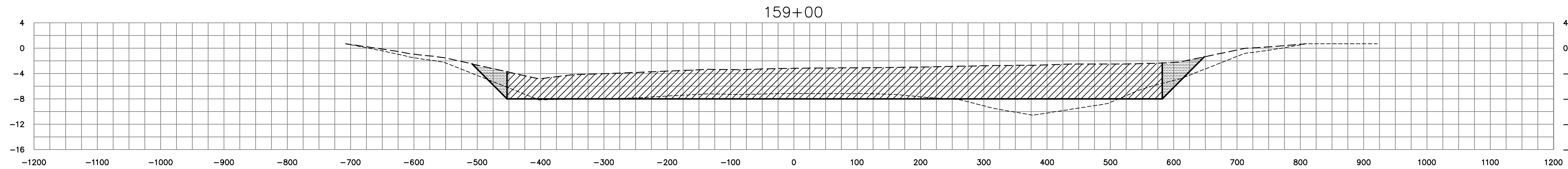
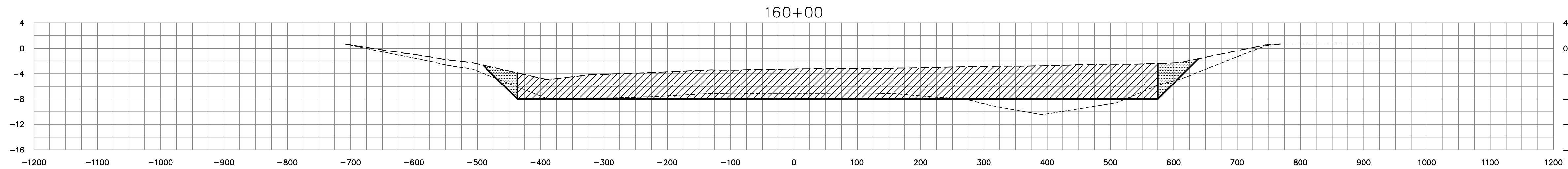
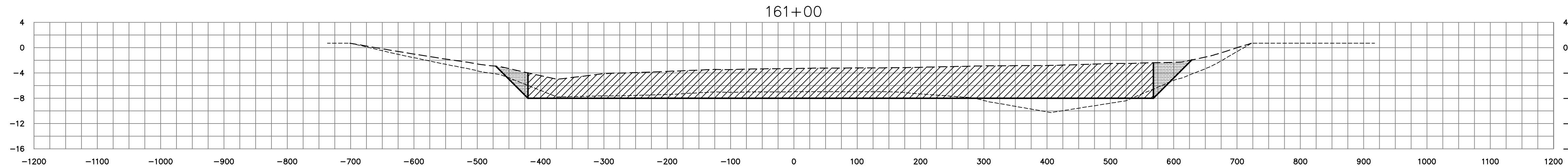
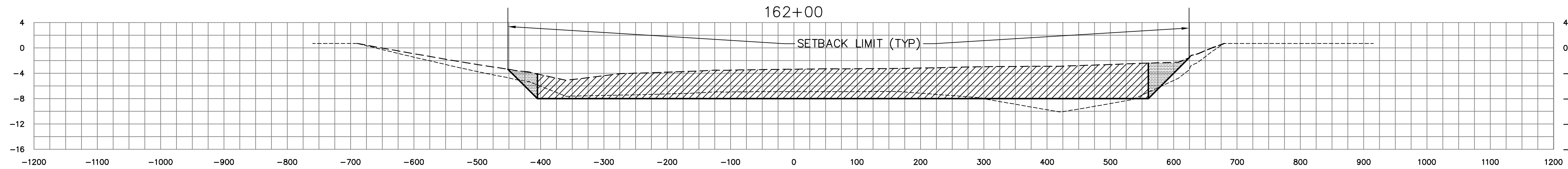
DATE JUNE 2005

SHEET 41 OF 67



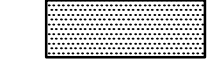
XS25

DWG. INFO: 46420XSC026.DWG, JUN 27 2005 - 10:29 AM, CSABING, (C) MOFFATT AND NICHOL



SOUTH PRONG & MAIN BRANCH CROSS SECTIONS

LEGEND

- APPROXIMATE PRE-MUCK SURFACE
- APPROXIMATE TOP OF MUCK SURFACE
-  DENOTES BOXCUT DREDGE AREA
-  DENOTES ANTICIPATED MUCK SLOUGHING AREA

10' 0' 10' 20'

SCALE: 1"=10' VERTICAL

100' 0' 100' 200'

SCALE: 1"=100' HORIZONTAL

SCALES SHOWN PERTAIN TO 22"x34" DRAWING
USE GRAPHIC SCALE IF SIZE OTHER THAN NOTED

REVISION	DESCRIPTION	BY	DATE

ST JOHNS RIVER WATER MANAGEMENT DISTRICT
SEBASTIAN RIVER MUCK REMOVAL
SEBASTIAN, FLORIDA

**DREDGE CROSS SECTIONS**
SHEET 26 OF 51

**MOFFATT & NICHOL**
1509 W. SWANN AVE. SUITE 225
TAMPA, FLORIDA 33606
(813)258-8818

DSGN	DR	CHK	MP
SUBMITTED BY		TITLE	
JOB NO. 4642-04			

**100%
SUBMITTAL
DRAWINGS**

**NOT TO BE USED
FOR CONSTRUCTION**

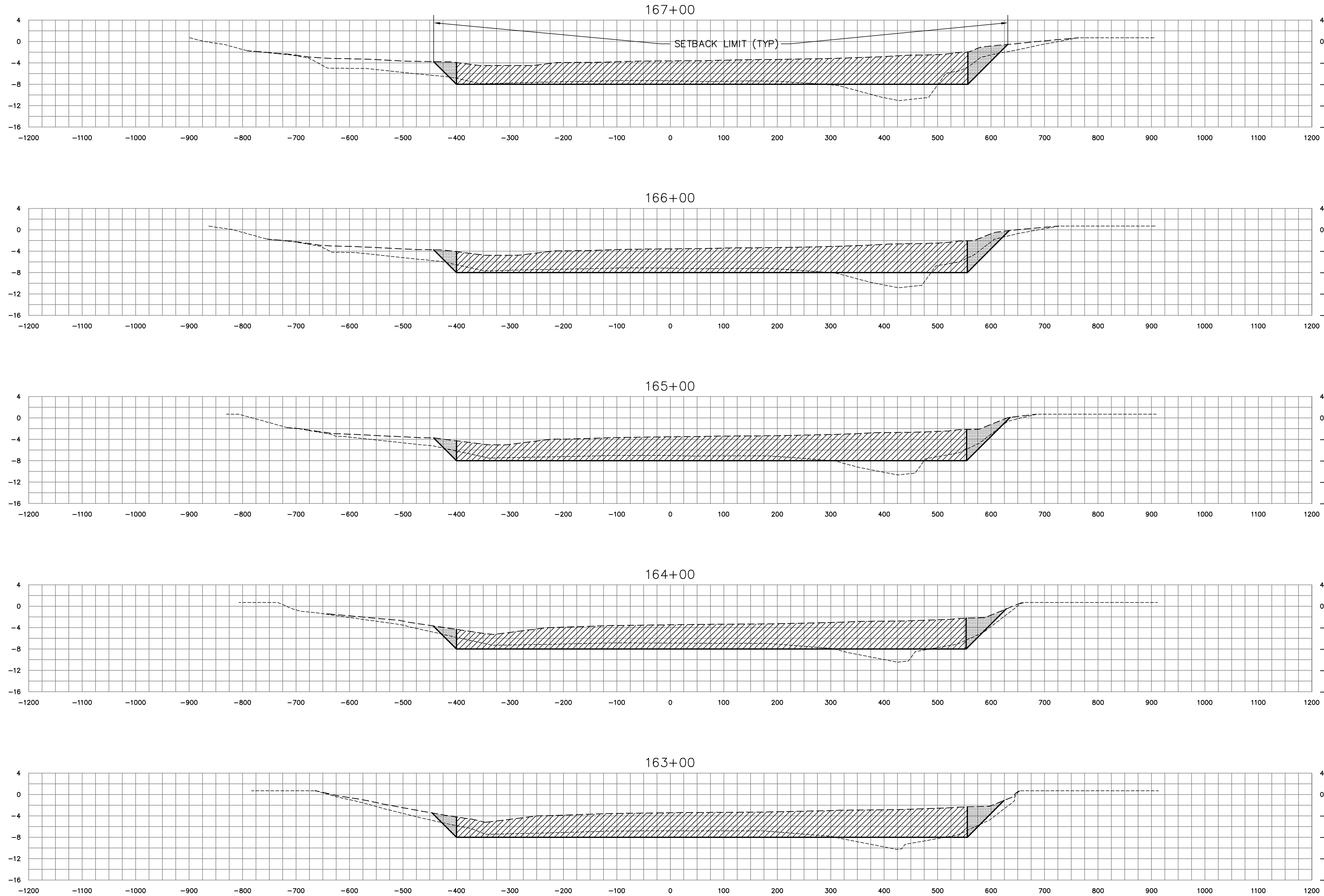
DATE JUNE 2005

SHEET 42 OF 67



XS26

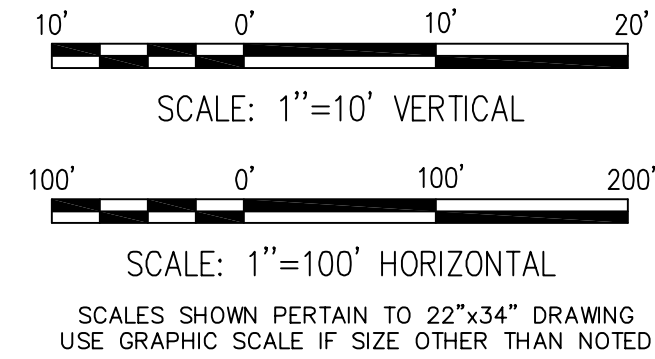
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SOUTH PRONG & MAIN BRANCH CROSS SECTIONS

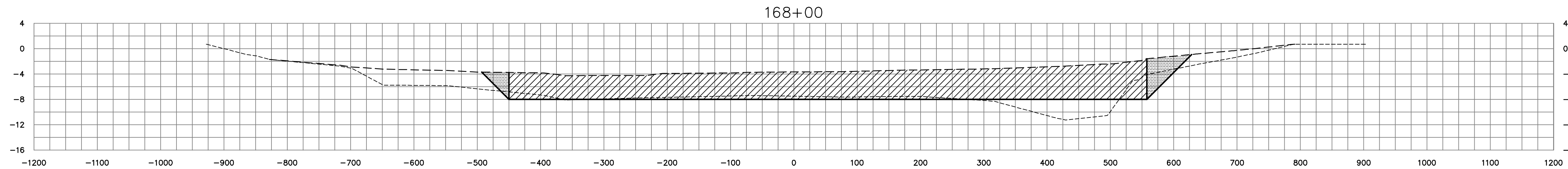
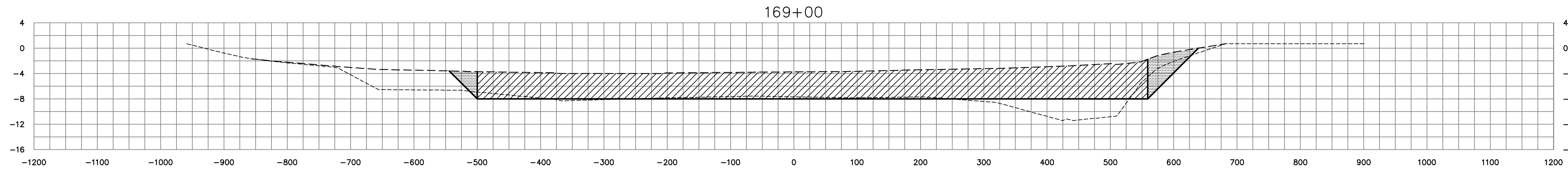
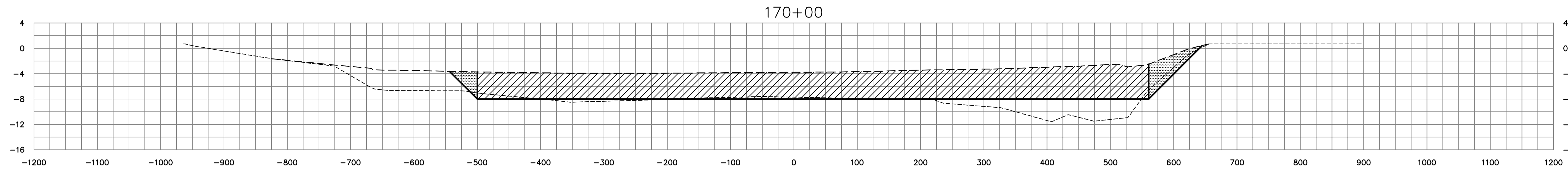
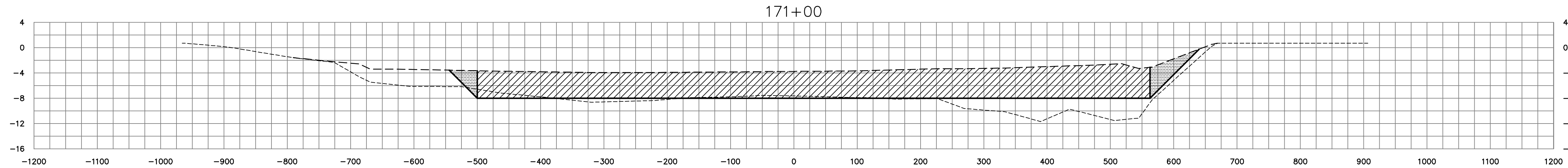
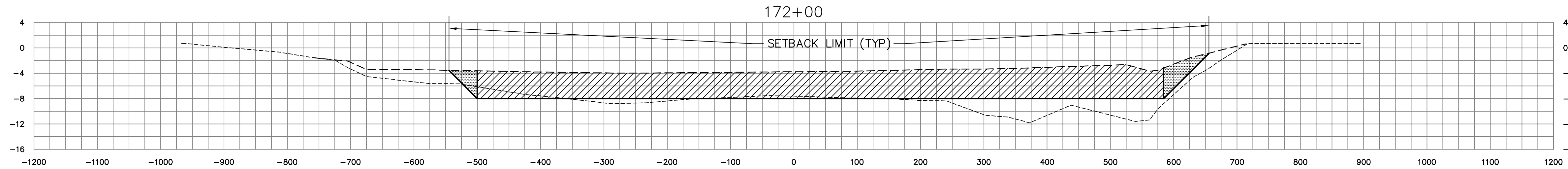
LEGEND

- APPROXIMATE PRE-MUCK SURFACE
- APPROXIMATE TOP OF MUCK SURFACE
- ▨ DENOTES BOXCUT DREDGE AREA
- ▨ DENOTES ANTICIPATED MUCK SLOUGHING AREA



ST JOHNS RIVER WATER MANAGEMENT DISTRICT SEBASTIAN RIVER MUCK REMOVAL SEBASTIAN, FLORIDA		DREDGE CROSS SECTIONS SHEET 27 OF 51	
MOFFATT & NICHOL 1509 W. SWANN AVE. SUITE 225 TAMPA, FLORIDA 33606 (813)258-8818		DR	CHK
DSGN	JOB NO. 4642-04	SUBMITTED BY	MP
DATE JUNE 2005			
SHEET 43 OF 67			
100% SUBMITTAL DRAWINGS NOT TO BE USED FOR CONSTRUCTION			
XS27			

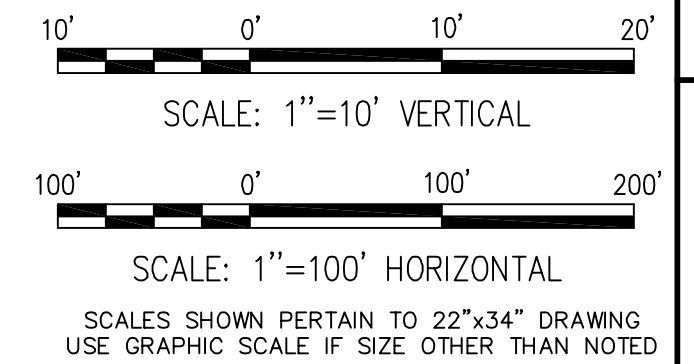
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SOUTH PRONG & MAIN BRANCH CROSS SECTIONS

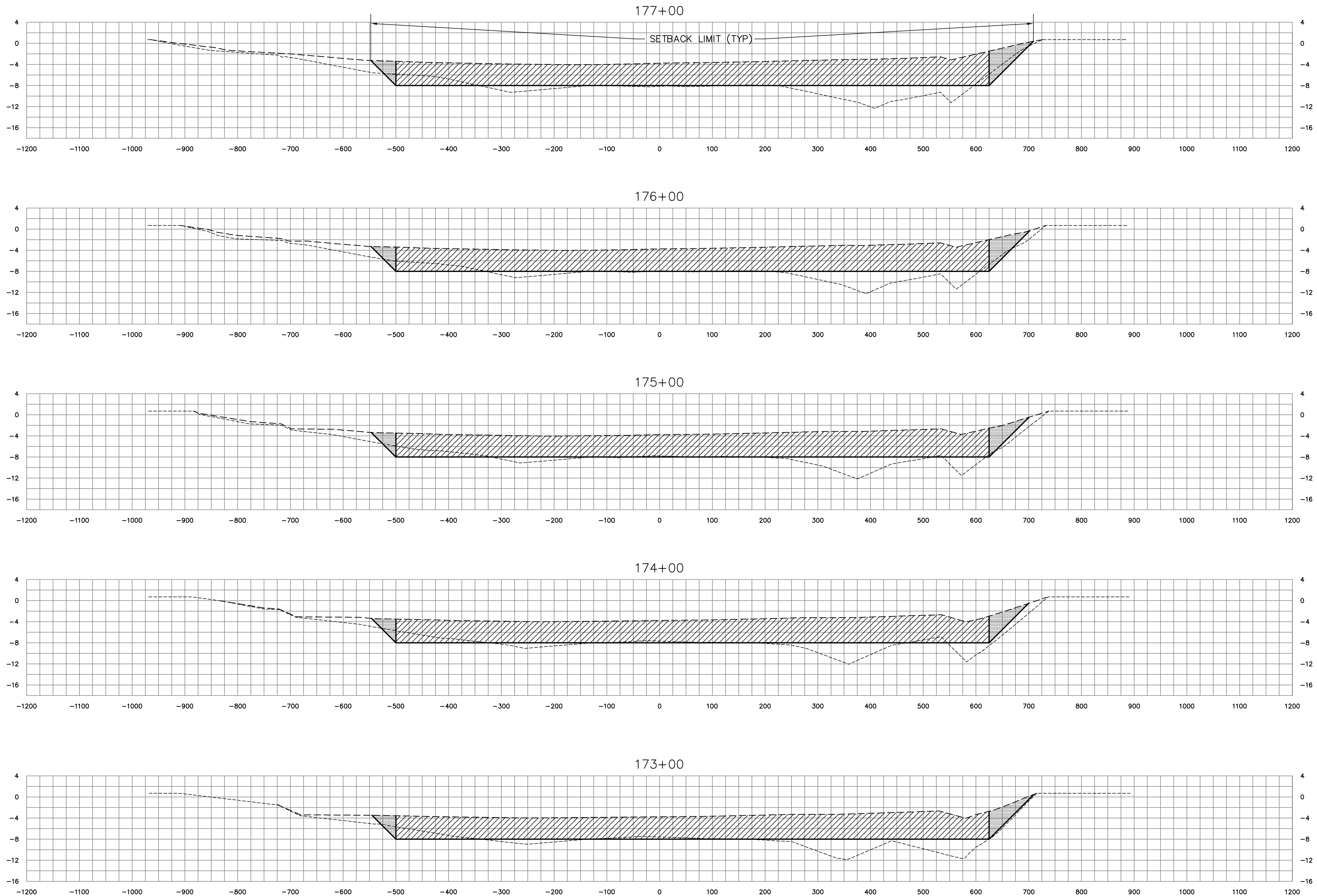
LEGEND

- APPROXIMATE PRE-MUCK SURFACE
- APPROXIMATE TOP OF MUCK SURFACE
- ▨ DENOTES BOXCUT DREDGE AREA
- ▨ DENOTES ANTICIPATED MUCK SLOUGHING AREA



ST JOHNS RIVER WATER MANAGEMENT DISTRICT SEBASTIAN RIVER MUCK REMOVAL SEBASTIAN, FLORIDA		DREDGE CROSS SECTIONS SHEET 28 OF 51	
MOFFATT & NICHOL 1509 W. SWANN AVE. SUITE 225 TAMPA, FLORIDA 33606 (813)258-8818		DR	CHK
DSGN	JOB NO. 4642-04	SUBMITTED BY	MP
100% SUBMITTAL DRAWINGS NOT TO BE USED FOR CONSTRUCTION			
DATE JUNE 2005			
SHEET 44 OF 67			
XS28			

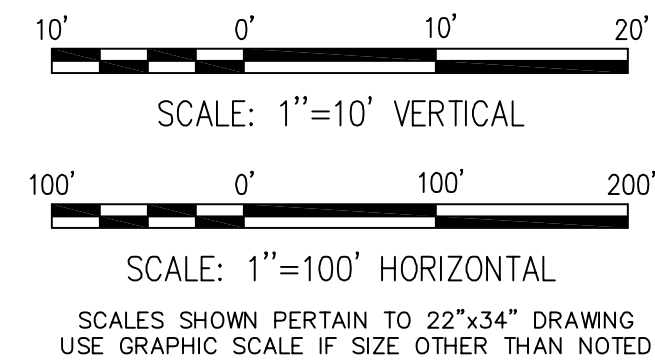
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SOUTH PRONG & MAIN BRANCH CROSS SECTIONS

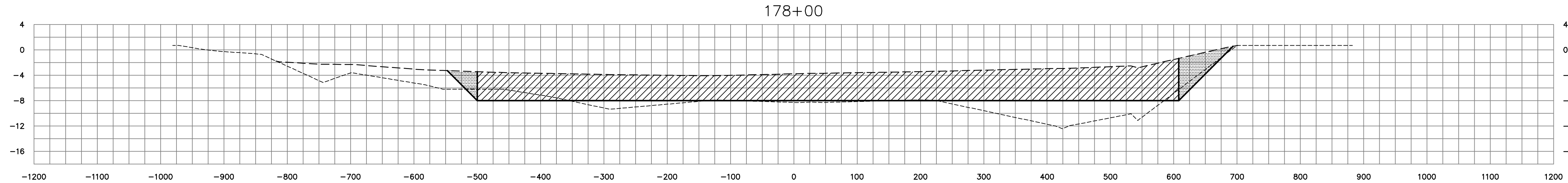
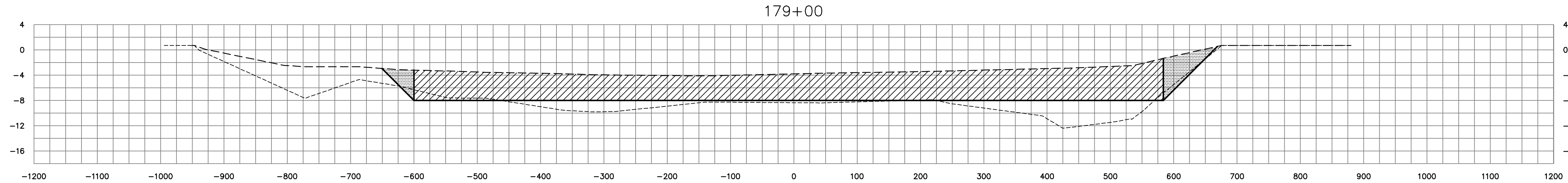
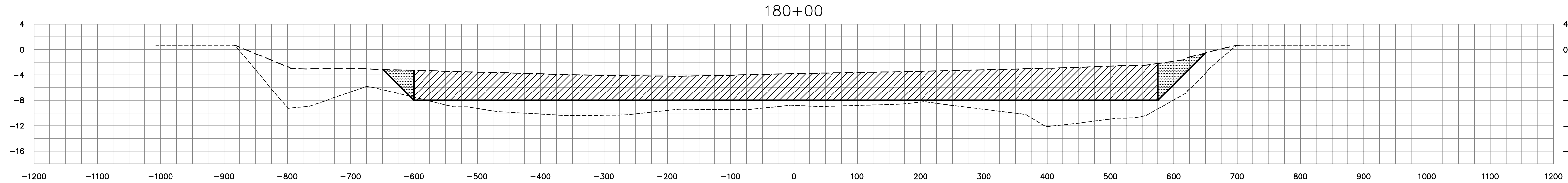
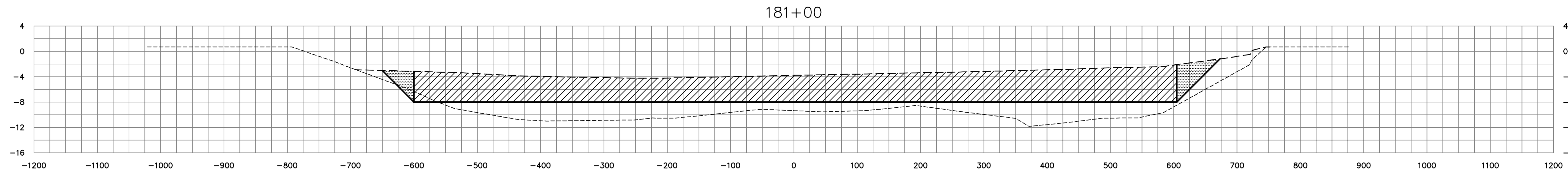
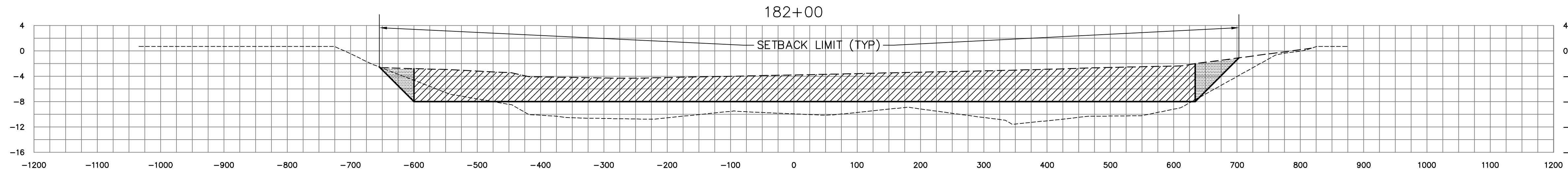
LEGEND

- APPROXIMATE PRE-MUCK SURFACE
- APPROXIMATE TOP OF MUCK SURFACE
- ▨ DENOTES BOXCUT DREDGE AREA
- ▨ DENOTES ANTICIPATED MUCK SLOUGHING AREA



ST JOHNS RIVER WATER MANAGEMENT DISTRICT SEBASTIAN RIVER MUCK REMOVAL SEBASTIAN, FLORIDA		DREDGE CROSS SECTIONS SHEET 29 OF 51	
MOFFATT & NICHOL 1509 W. SWANN AVE. SUITE 225 TAMPA, FLORIDA 33606 (813)258-8818		DR	CHK
DSGN	JOB NO. 4642-04	SUBMITTED BY	MP
100% SUBMITTAL DRAWINGS NOT TO BE USED FOR CONSTRUCTION			
DATE JUNE 2005			
SHEET 45 OF 67			
XS29			

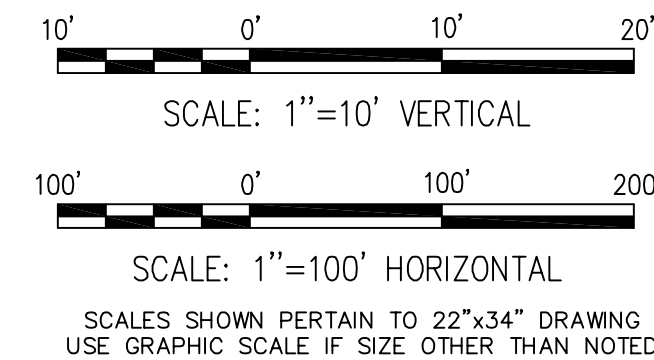
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SOUTH PRONG & MAIN BRANCH CROSS SECTIONS

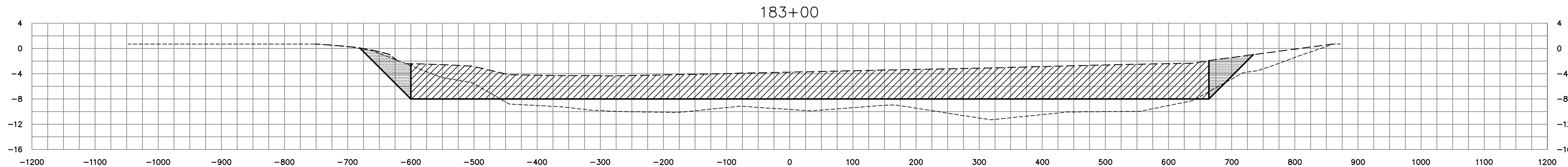
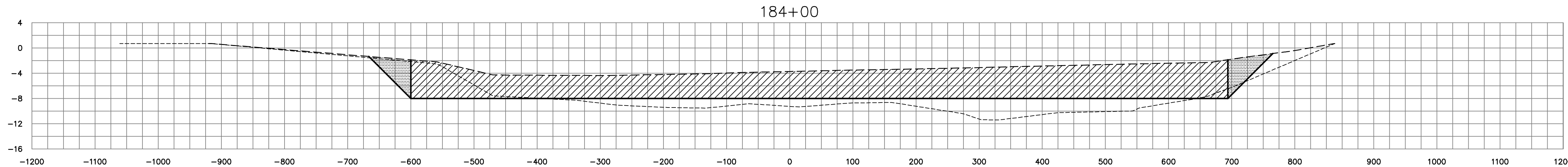
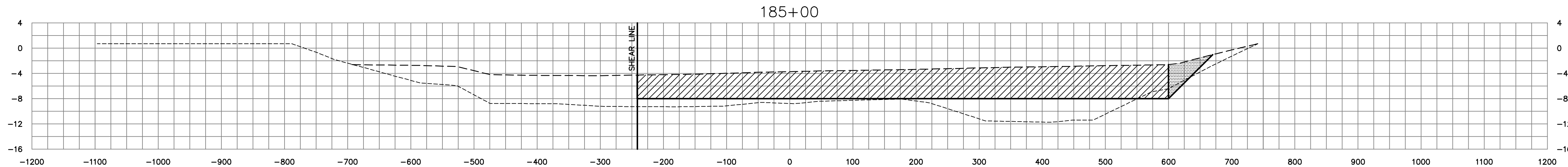
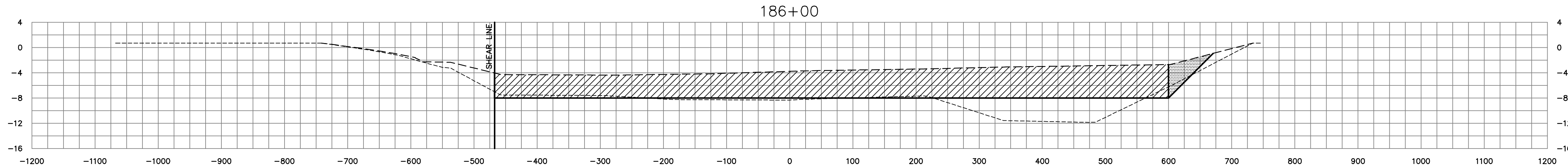
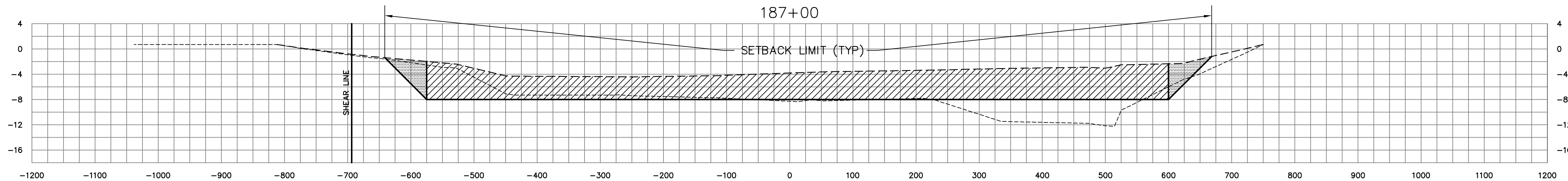
LEGEND

- APPROXIMATE PRE-MUCK SURFACE
- APPROXIMATE TOP OF MUCK SURFACE
- ▨ DENOTES BOXCUT DREDGE AREA
- ▨ DENOTES ANTICIPATED MUCK SLOUGHING AREA



ST JOHNS RIVER WATER MANAGEMENT DISTRICT SEBASTIAN RIVER MUCK REMOVAL SEBASTIAN, FLORIDA		DREDGE CROSS SECTIONS SHEET 30 OF 51	
MOFFATT & NICHOL 1509 W. SWANN AVE. SUITE 225 TAMPA, FLORIDA 33606 (813)258-8818		DR	CHK
DSGN	JOB NO. 4642-04	SUBMITTED BY	MP
100% SUBMITTAL DRAWINGS NOT TO BE USED FOR CONSTRUCTION			
DATE JUNE 2005			
SHEET 46 OF 67			
XS30			

DWG INFO: 46420X0303.DWG, JUN 27 2005 - 03:32 PM, CSAENIG, (C) MOFFATT AND NICHOL



SOUTH PRONG & MAIN BRANCH CROSS SECTIONS

LEGEND

- APPROXIMATE PRE-MUCK SURFACE
- APPROXIMATE TOP OF MUCK SURFACE
- ▨ DENOTES BOXCUT DREDGE AREA
- ▤ DENOTES ANTICIPATED MUCK SLOUGHING AREA



SCALE: 1"=10' VERTICAL



SCALE: 1"=100' HORIZONTAL

SCALES SHOWN PERTAIN TO 22"x34" DRAWING
USE GRAPHIC SCALE IF SIZE OTHER THAN NOTED

REVISION	DESCRIPTION	BY	DATE

ST JOHNS RIVER WATER MANAGEMENT DISTRICT
SEBASTIAN RIVER MUCK REMOVAL
SEBASTIAN, FLORIDA

**DREDGE CROSS SECTIONS**
SHEET 31 OF 51

**MOFFATT & NICHOL**
1509 W. SWANN AVE. SUITE 225
TAMPA, FLORIDA 33606
(813)258-8818

DSGN	DR	CHK	MP
SUBMITTED BY		TITLE	
JOB NO. 4642-04			

**100%
SUBMITTAL
DRAWINGS**

**NOT TO BE USED
FOR CONSTRUCTION**

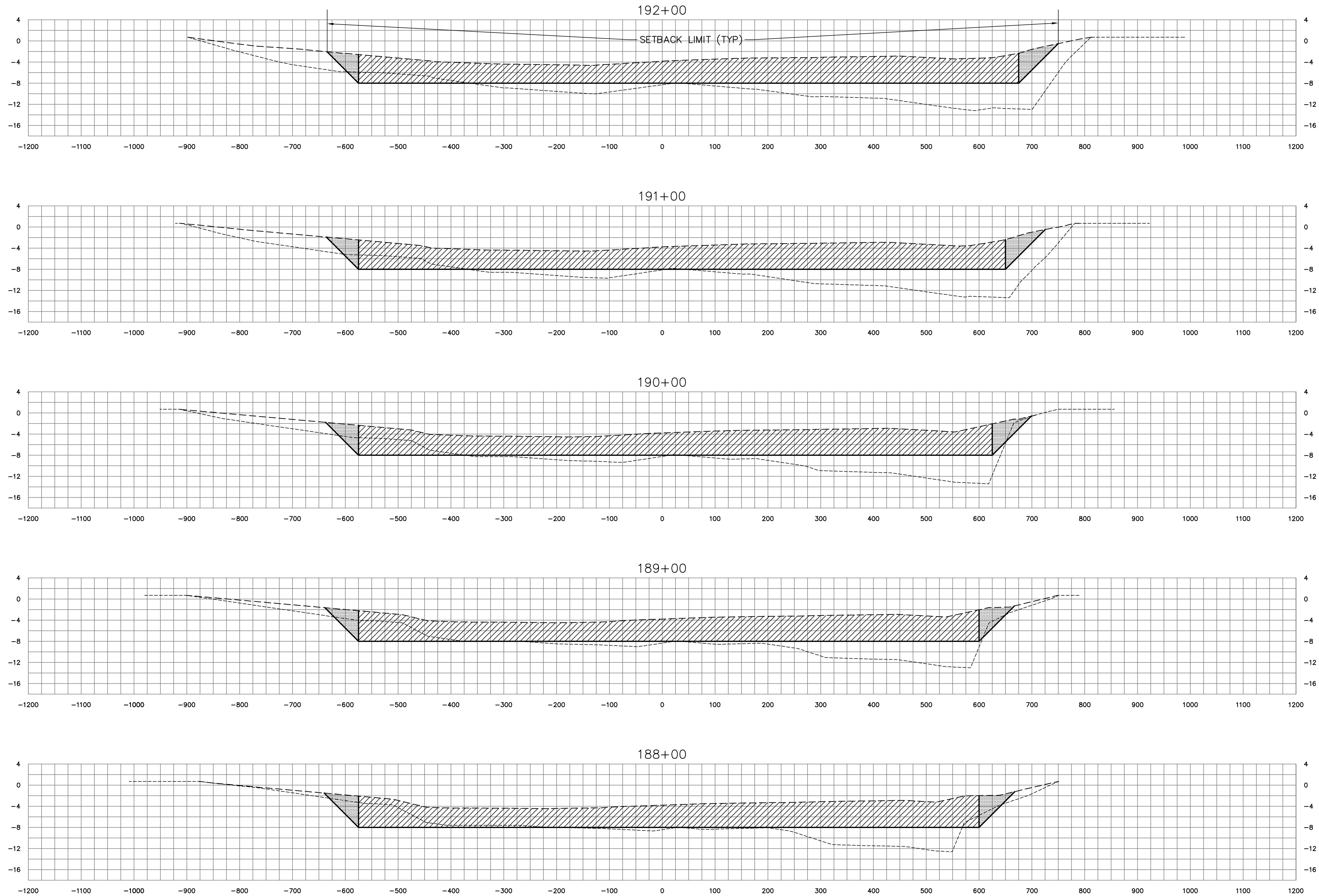
DATE JUNE 2005

SHEET 47 OF 67



XS31

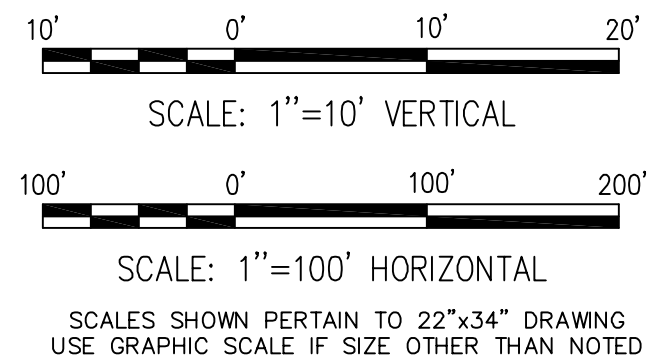
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SOUTH PRONG & MAIN BRANCH CROSS SECTIONS

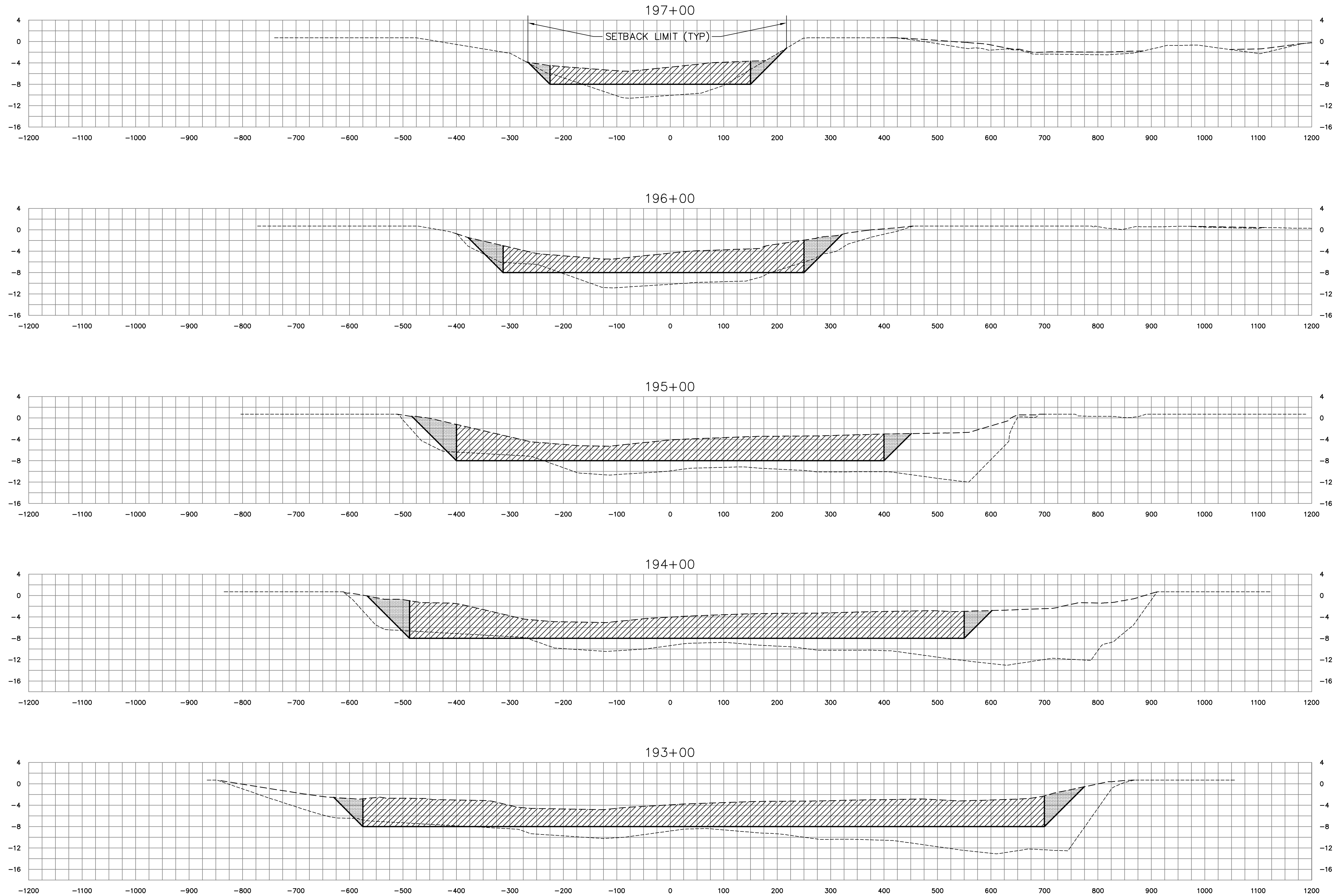
LEGEND

- APPROXIMATE PRE-MUCK SURFACE
- APPROXIMATE TOP OF MUCK SURFACE
- ▨ DENOTES BOXCUT DREDGE AREA
- ▨ DENOTES ANTICIPATED MUCK SLOUGHING AREA



ST JOHNS RIVER WATER MANAGEMENT DISTRICT SEBASTIAN RIVER MUCK REMOVAL SEBASTIAN, FLORIDA		DREDGE CROSS SECTIONS SHEET 32 OF 51	
MOFFATT & NICHOL 1509 W. SWANN AVE. SUITE 225 TAMPA, FLORIDA 33606 (813)258-8818		DR	CHK
DSGN	JOB NO. 4642-04	SUBMITTED BY	MP
DATE JUNE 2005		TITLE	
SHEET 48 OF 67		DESCRIPTION	
BY		DATE	
100% SUBMITTAL DRAWINGS NOT TO BE USED FOR CONSTRUCTION		REVISION	
XS32			

DWG. INFO: 46420X03.DWG, JUN 27 2005 - 03:35 PM, CSABINO, (C) MOFFATT AND NICHOL



SOUTH PRONG & MAIN BRANCH CROSS SECTIONS

LEGEND

- APPROXIMATE PRE-MUCK SURFACE
- APPROXIMATE TOP OF MUCK SURFACE
- ▨ DENOTES BOXCUT DREDGE AREA
- ▨ DENOTES ANTICIPATED MUCK SLOUGHING AREA

10' 0' 10' 20'

SCALE: 1"=10' VERTICAL

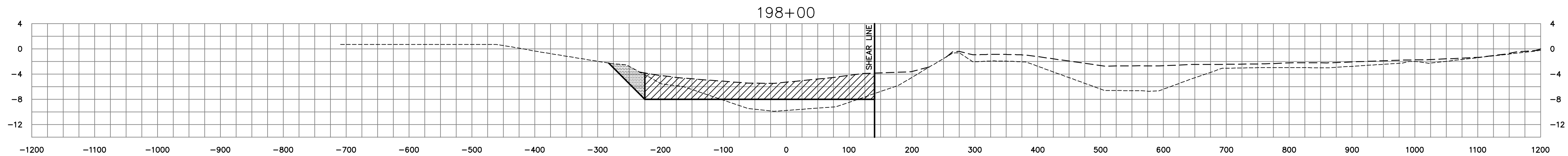
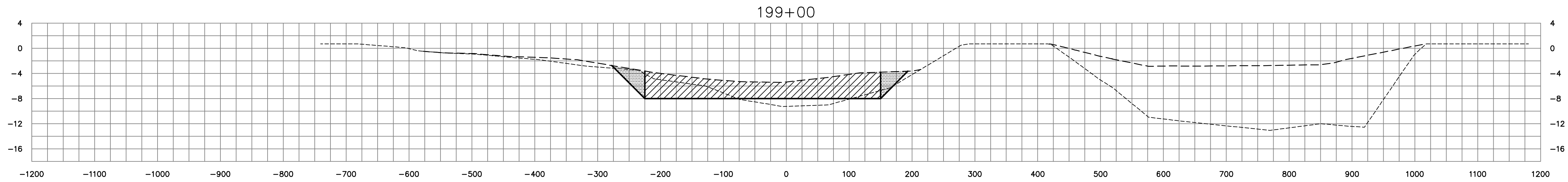
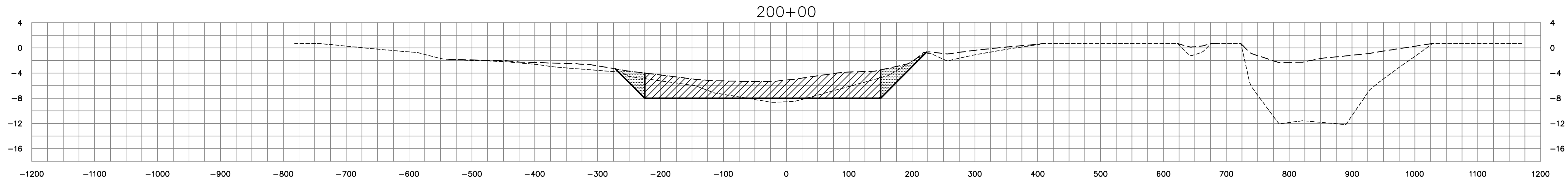
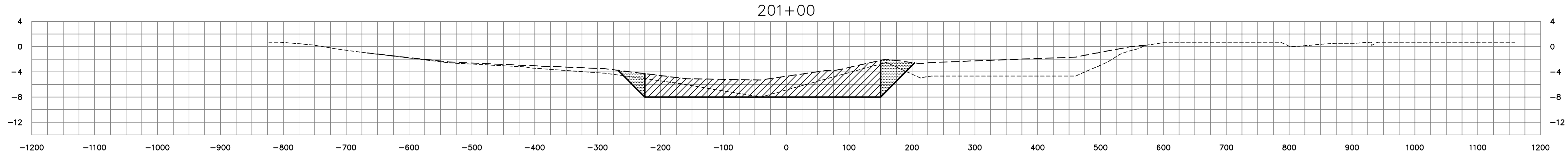
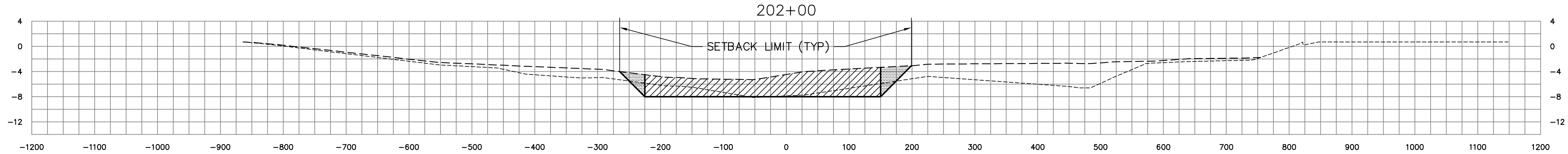
100' 0' 100' 200'

SCALE: 1"=100' HORIZONTAL

SCALES SHOWN PERTAIN TO 22"x34" DRAWING
USE GRAPHIC SCALE IF SIZE OTHER THAN NOTED

ST JOHNS RIVER WATER MANAGEMENT DISTRICT SEBASTIAN RIVER MUCK REMOVAL SEBASTIAN, FLORIDA		DREDGE CROSS SECTIONS SHEET 33 OF 51	
MOFFATT & NICHOL 1509 W. SWANN AVE. SUITE 225 TAMPA, FLORIDA 33606 (813)258-8818		DR	CHK
DESIGN	JOB NO. 4642-04	SUBMITTED BY	TITLE
100% SUBMITTAL DRAWINGS NOT TO BE USED FOR CONSTRUCTION			
DATE JUNE 2005			
SHEET 49 OF 67			
XS33			

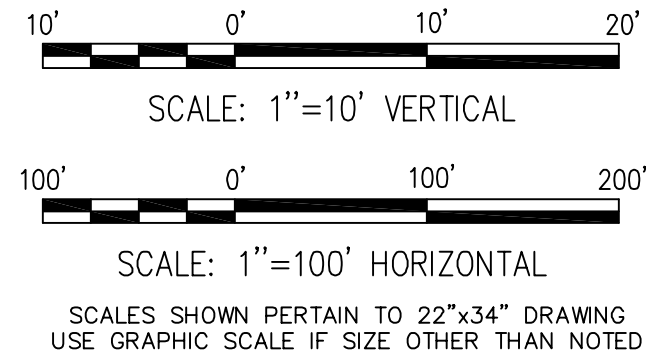
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SOUTH PRONG & MAIN BRANCH CROSS SECTIONS

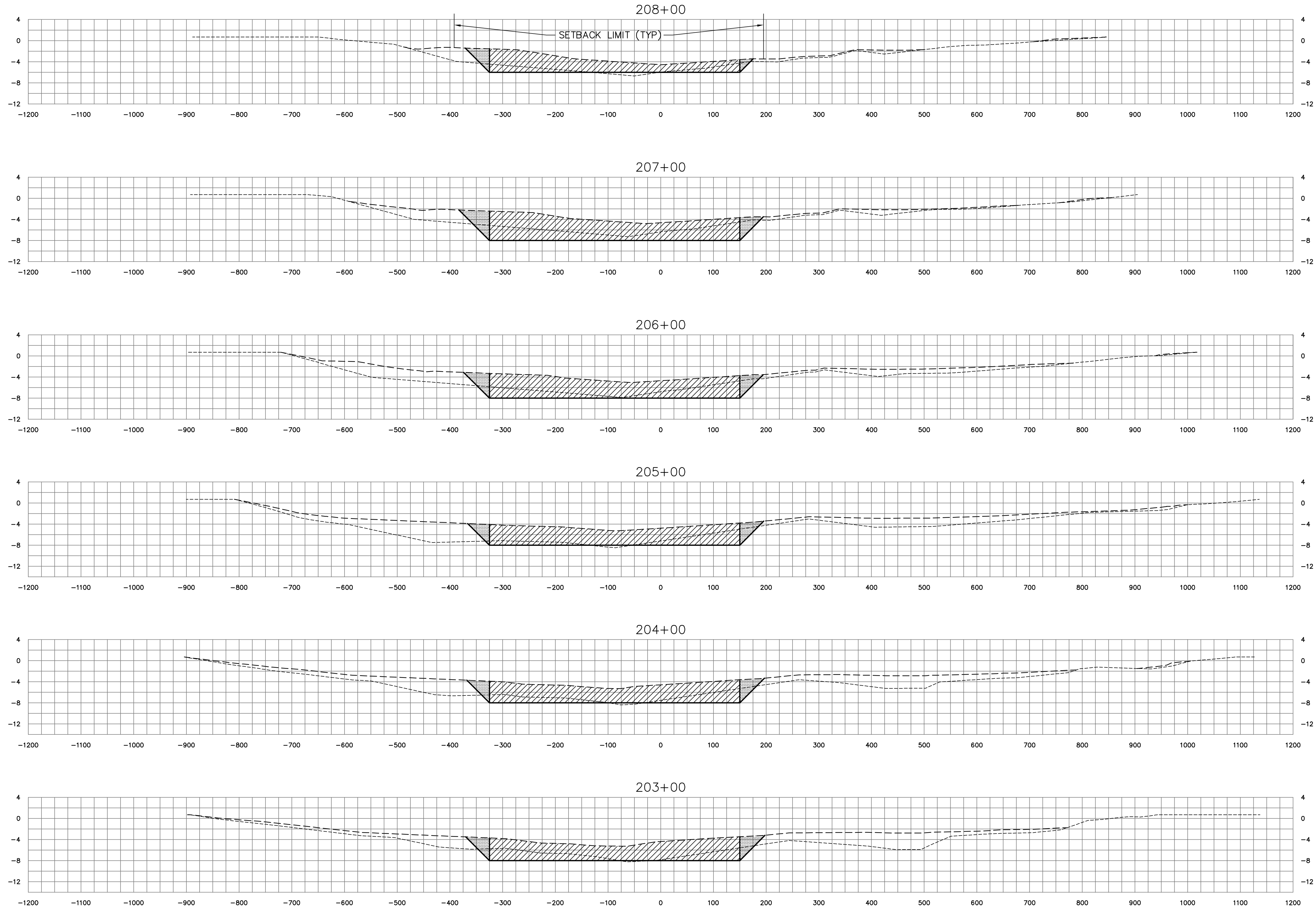
LEGEND

- APPROXIMATE PRE-MUCK SURFACE
- APPROXIMATE TOP OF MUCK SURFACE
- ▨ DENOTES BOXCUT DREDGE AREA
- ▨ DENOTES ANTICIPATED MUCK SLOUGHING AREA



ST JOHNS RIVER WATER MANAGEMENT DISTRICT SEBASTIAN RIVER MUCK REMOVAL SEBASTIAN, FLORIDA		DREDGE CROSS SECTIONS SHEET 34 OF 51	
MOFFATT & NICHOL 1509 W. SWANN AVE. SUITE 225 TAMPA, FLORIDA 33606 (813)258-8818		DR	CHK
DSGN	JOB NO. 4642-04	SUBMITTED BY	MP
100% SUBMITTAL DRAWINGS NOT TO BE USED FOR CONSTRUCTION			
DATE JUNE 2005			
SHEET 50 OF 67			
XS34			

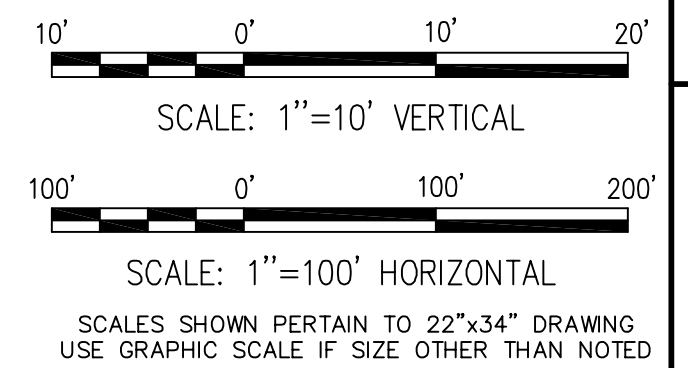
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SOUTH PRONG & MAIN BRANCH CROSS SECTIONS

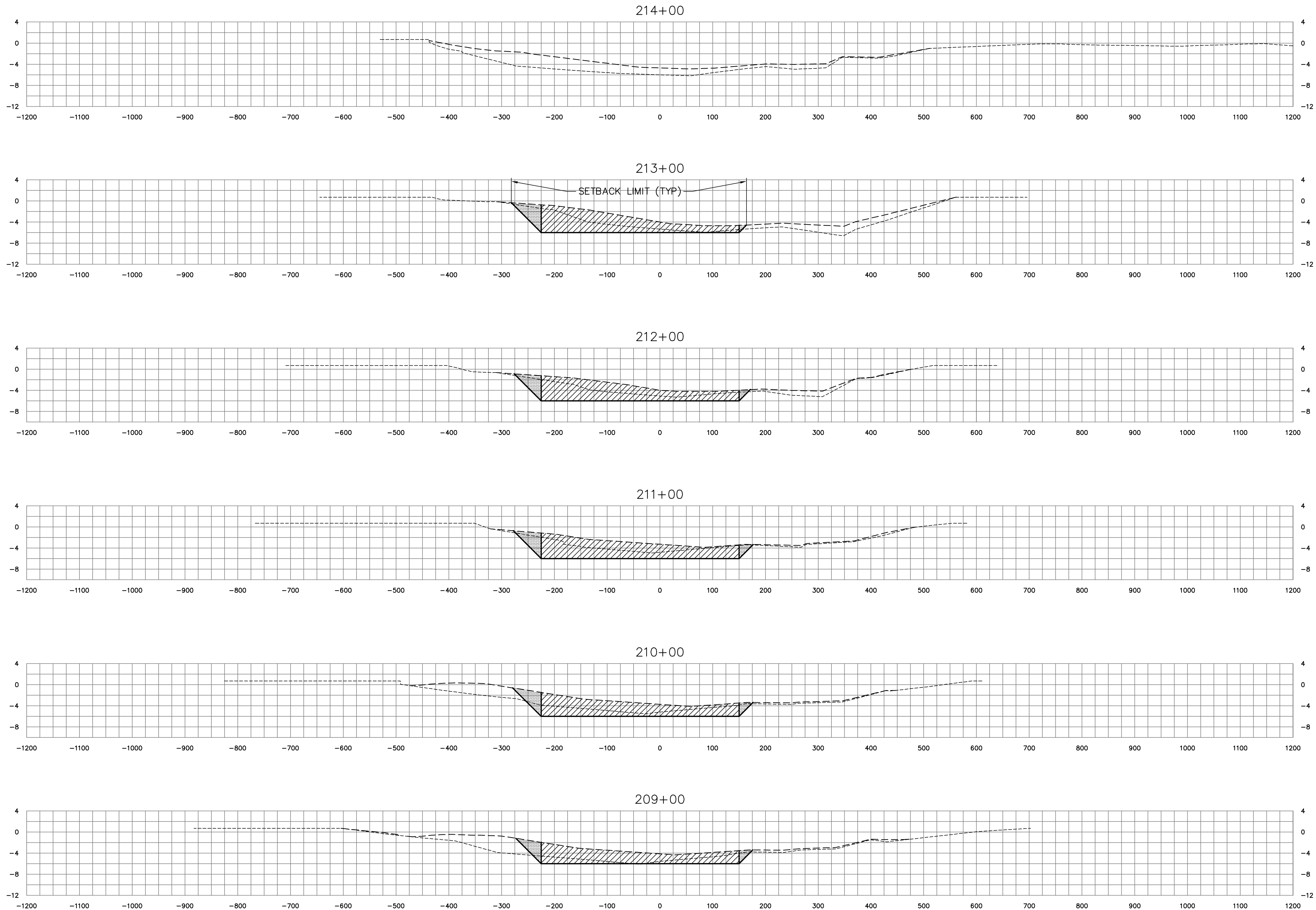
LEGEND

- APPROXIMATE PRE-MUCK SURFACE
- APPROXIMATE TOP OF MUCK SURFACE
- ▨ DENOTES BOXCUT DREDGE AREA
- ▨ DENOTES ANTICIPATED MUCK SLOUGHING AREA



ST JOHNS RIVER WATER MANAGEMENT DISTRICT SEBASTIAN RIVER MUCK REMOVAL SEBASTIAN, FLORIDA		DREDGE CROSS SECTIONS SHEET 35 OF 51	
MOFFATT & NICHOL 1509 W. SWANN AVE. SUITE 225 TAMPA, FLORIDA 33606 (813)258-8818		DR	CHK
DESIGN	DR	SUBMITTED BY	MP
JOB NO.	4642-04	TITLE	
100% SUBMITTAL DRAWINGS NOT TO BE USED FOR CONSTRUCTION			
DATE JUNE 2005			
SHEET 51 OF 67			
XS35			

DWG. INFO: 46420X03036.DWG, JUN 27 2005 -- 05:07 PM, CSABINO, (C) MOFFATT AND NICHOL



SOUTH PRONG & MAIN BRANCH CROSS SECTIONS

LEGEND

- APPROXIMATE PRE-MUCK SURFACE
- APPROXIMATE TOP OF MUCK SURFACE
- ▨ DENOTES BOXCUT DREDGE AREA
- ▨ DENOTES ANTICIPATED MUCK SLOUGHING AREA

10' 0' 10' 20'

SCALE: 1"=10' VERTICAL

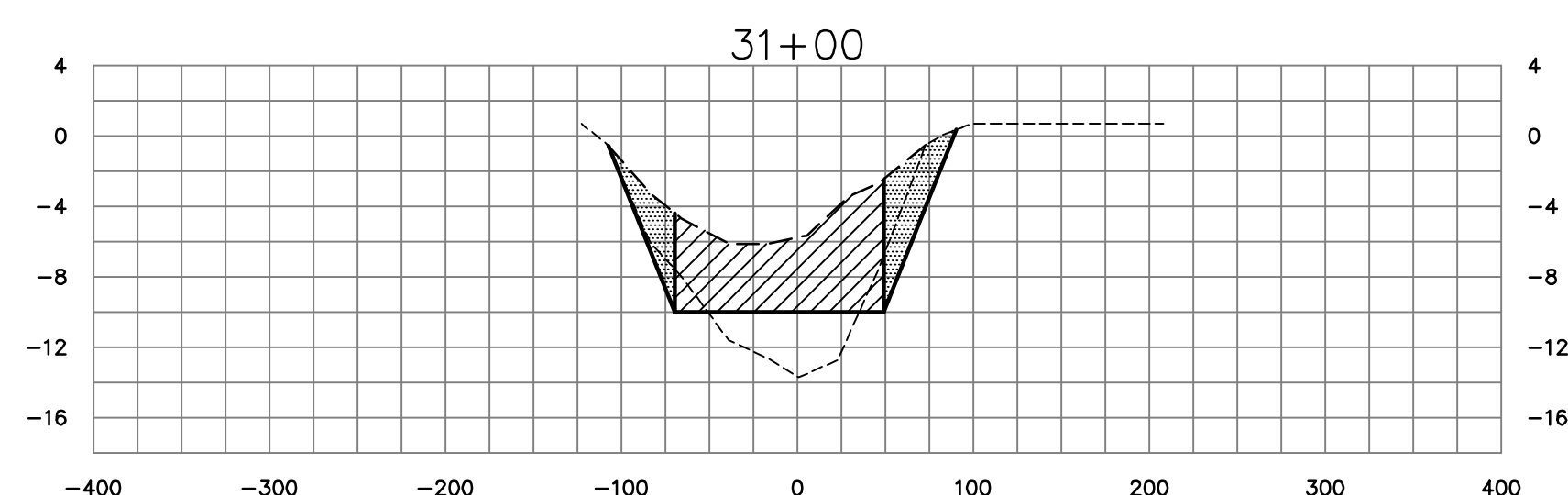
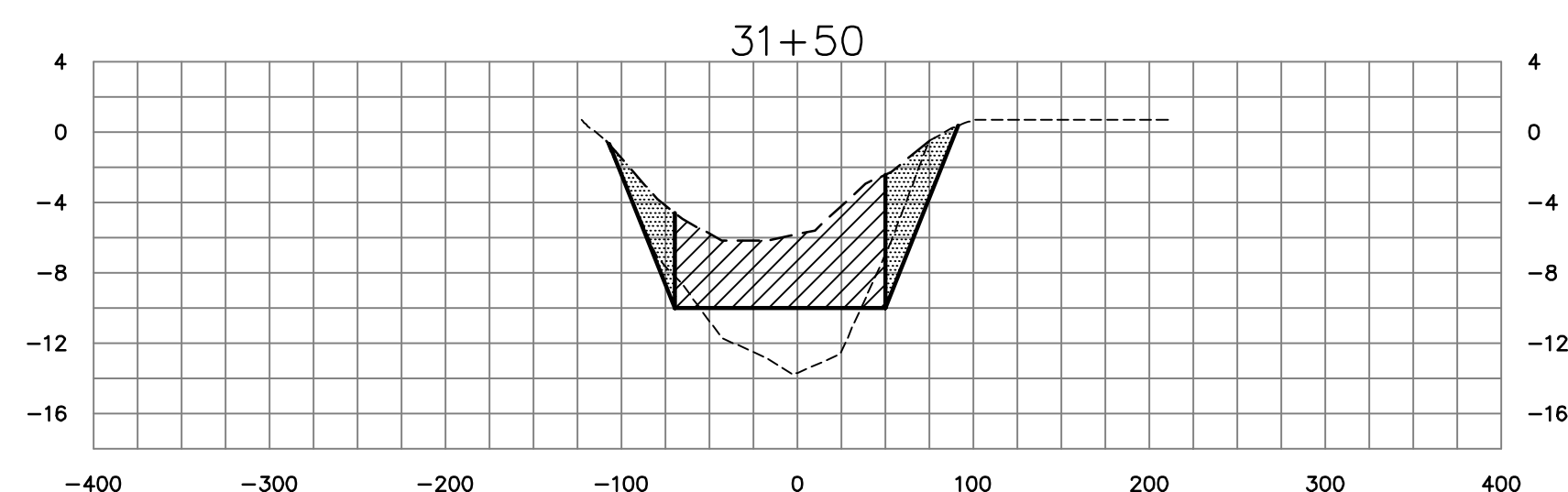
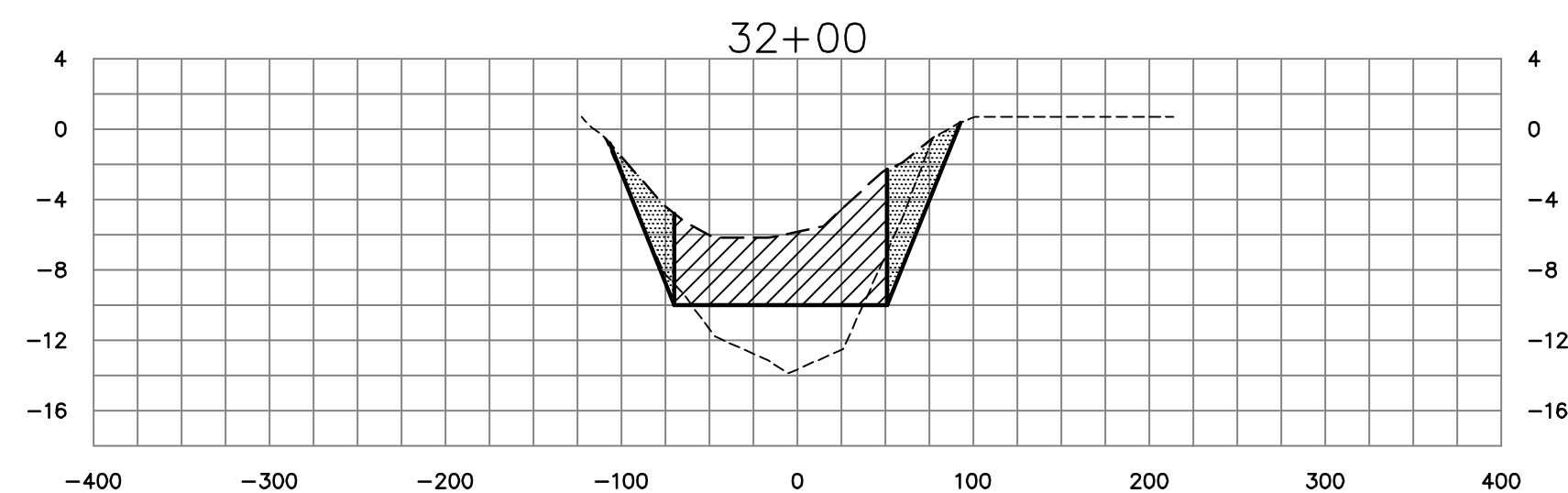
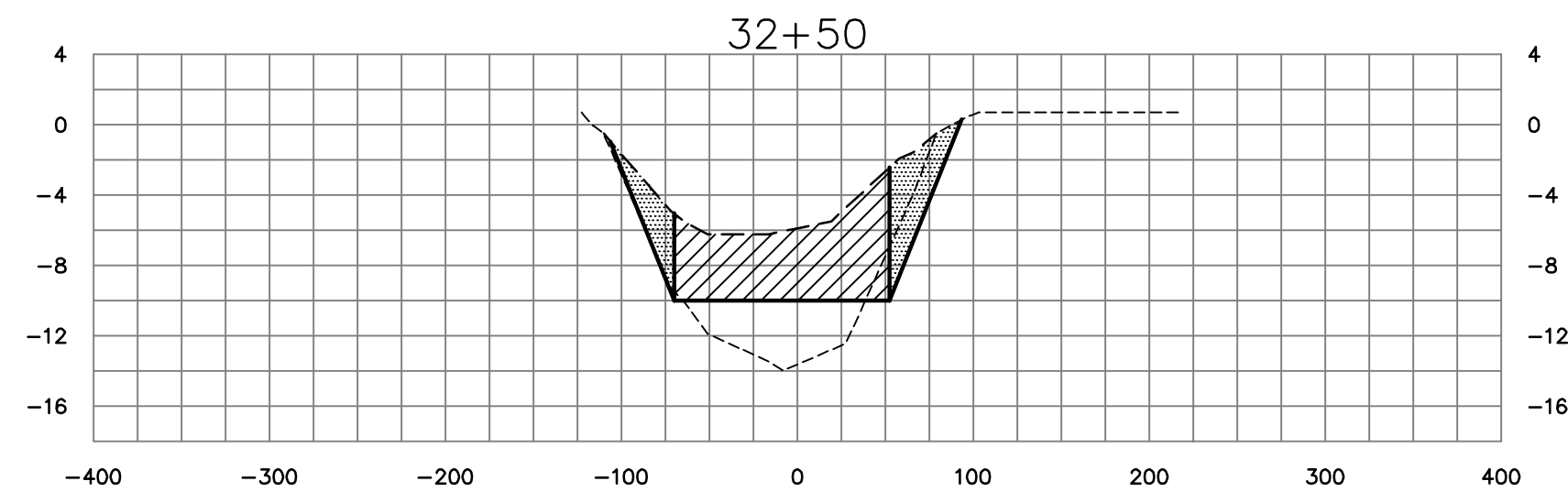
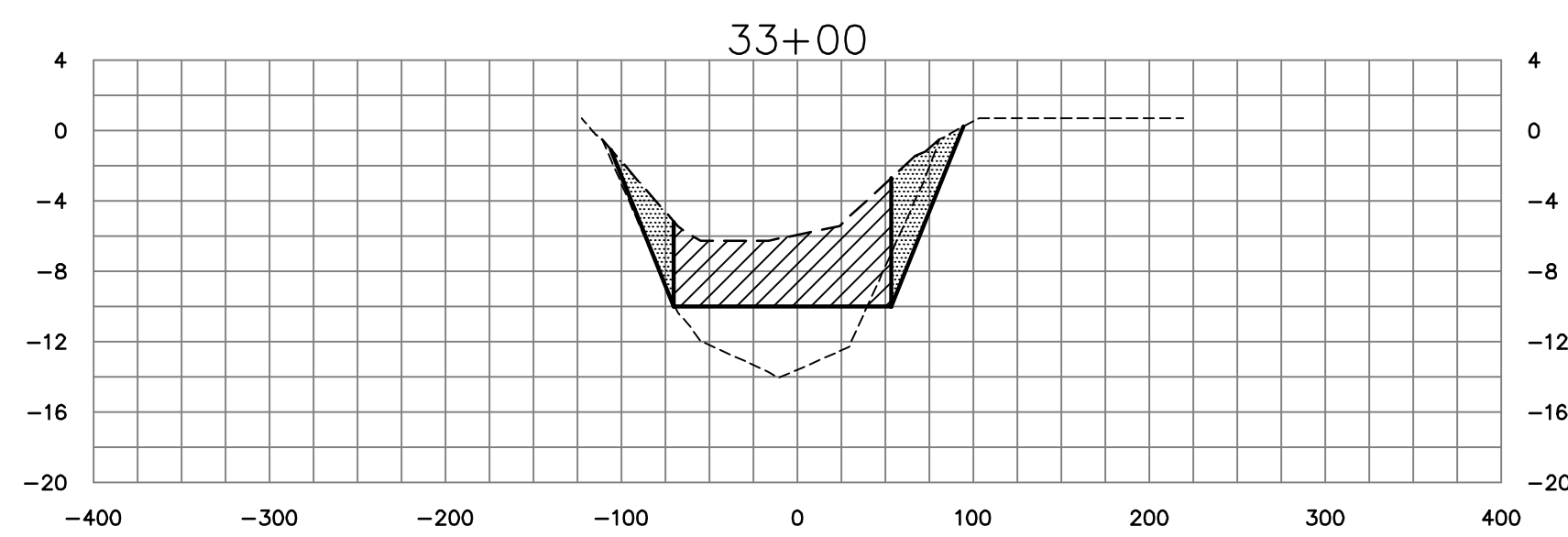
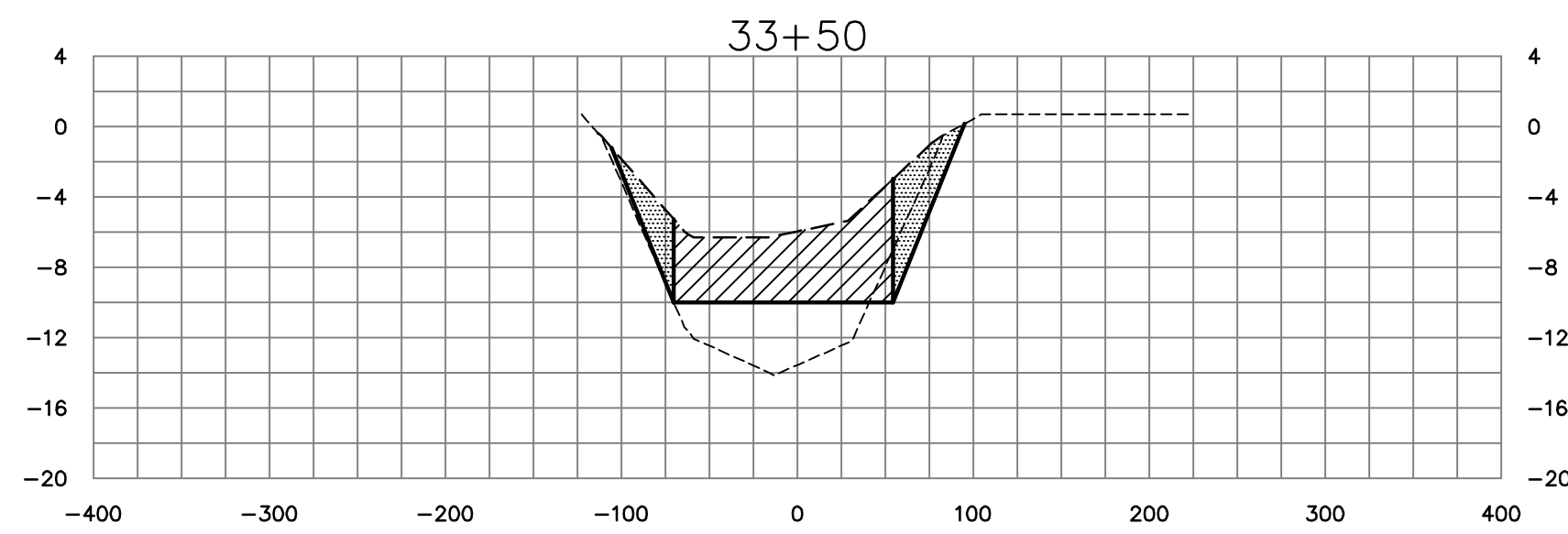
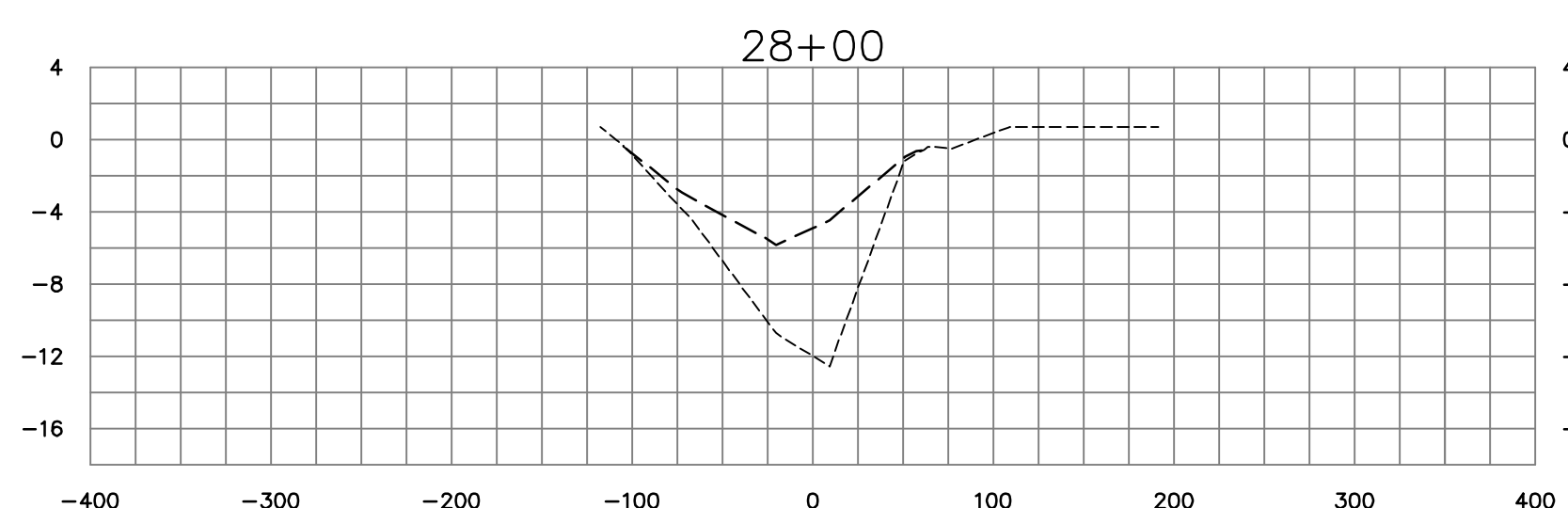
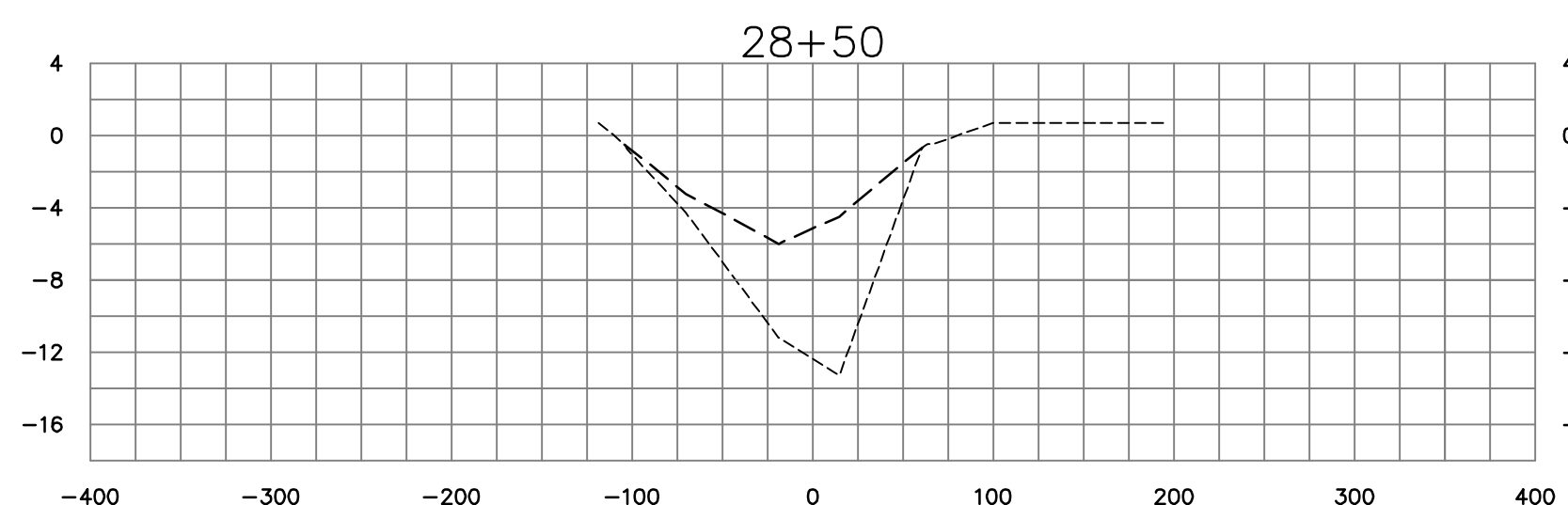
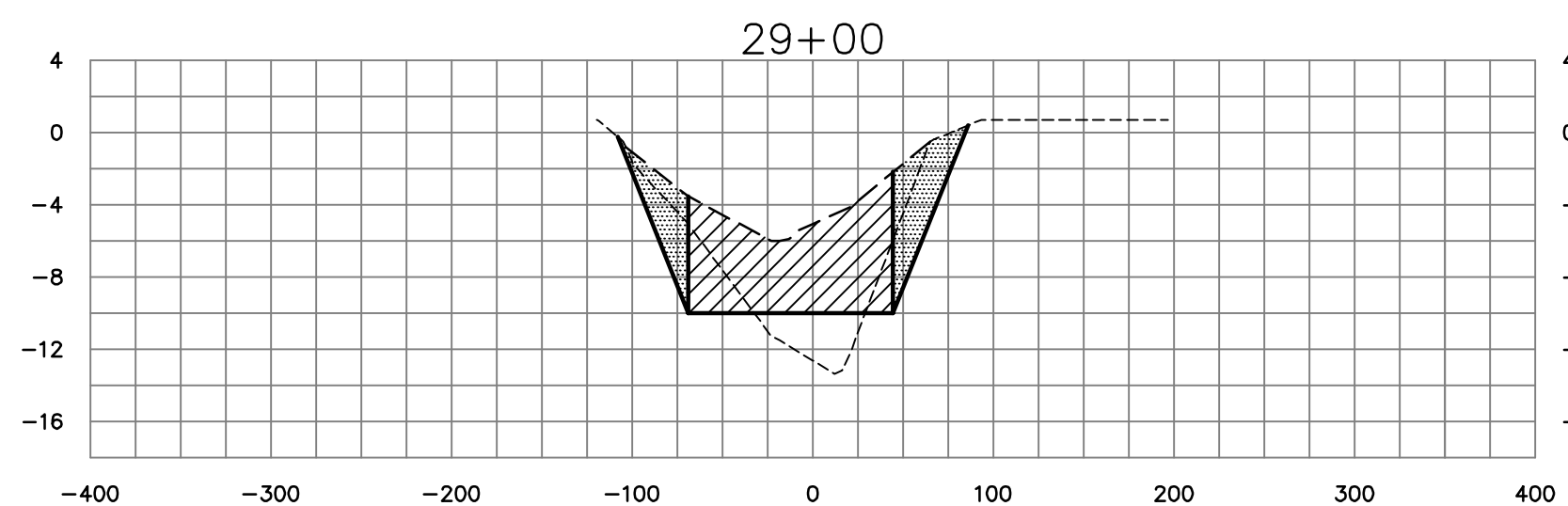
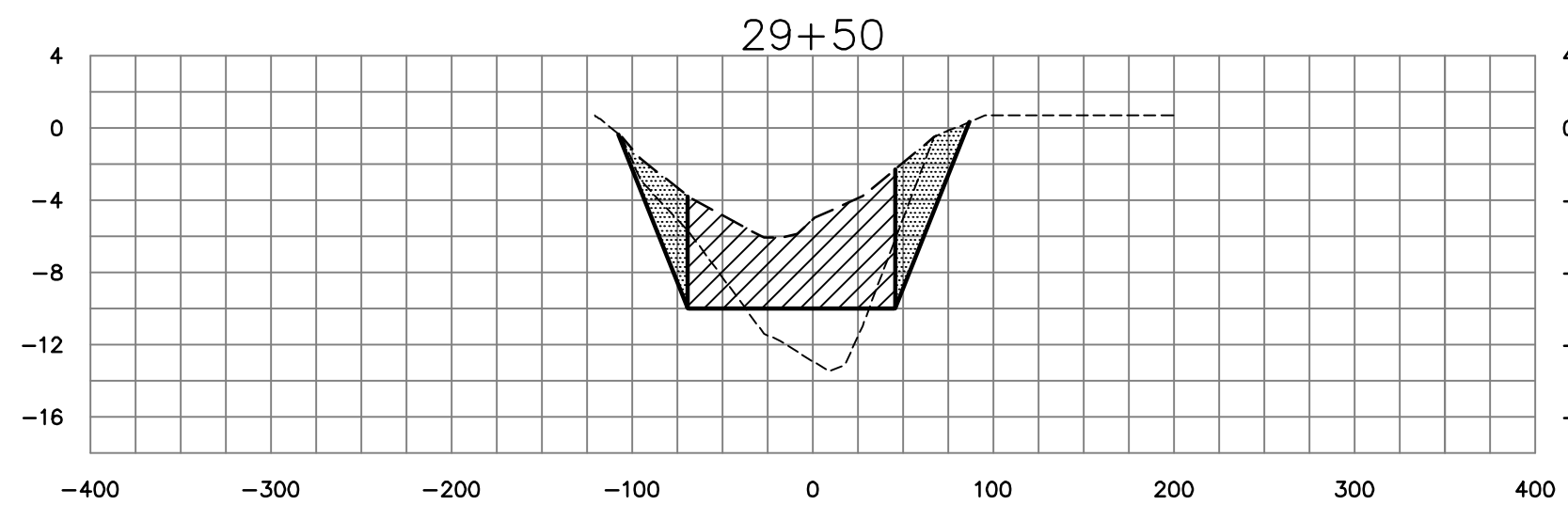
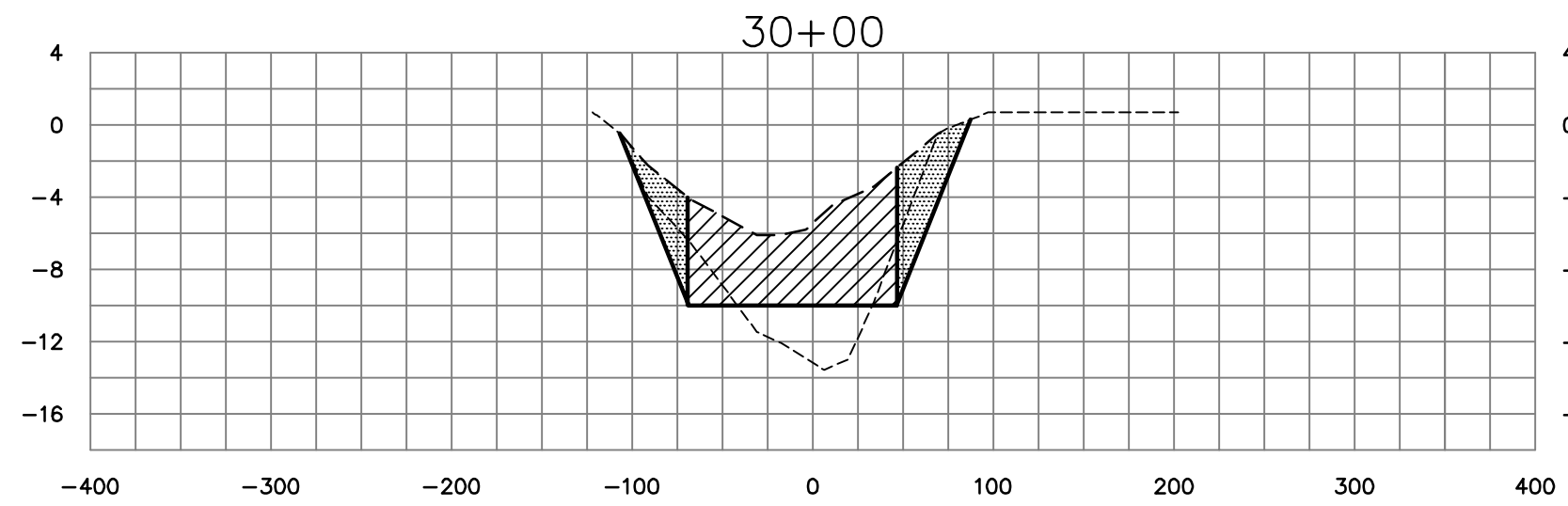
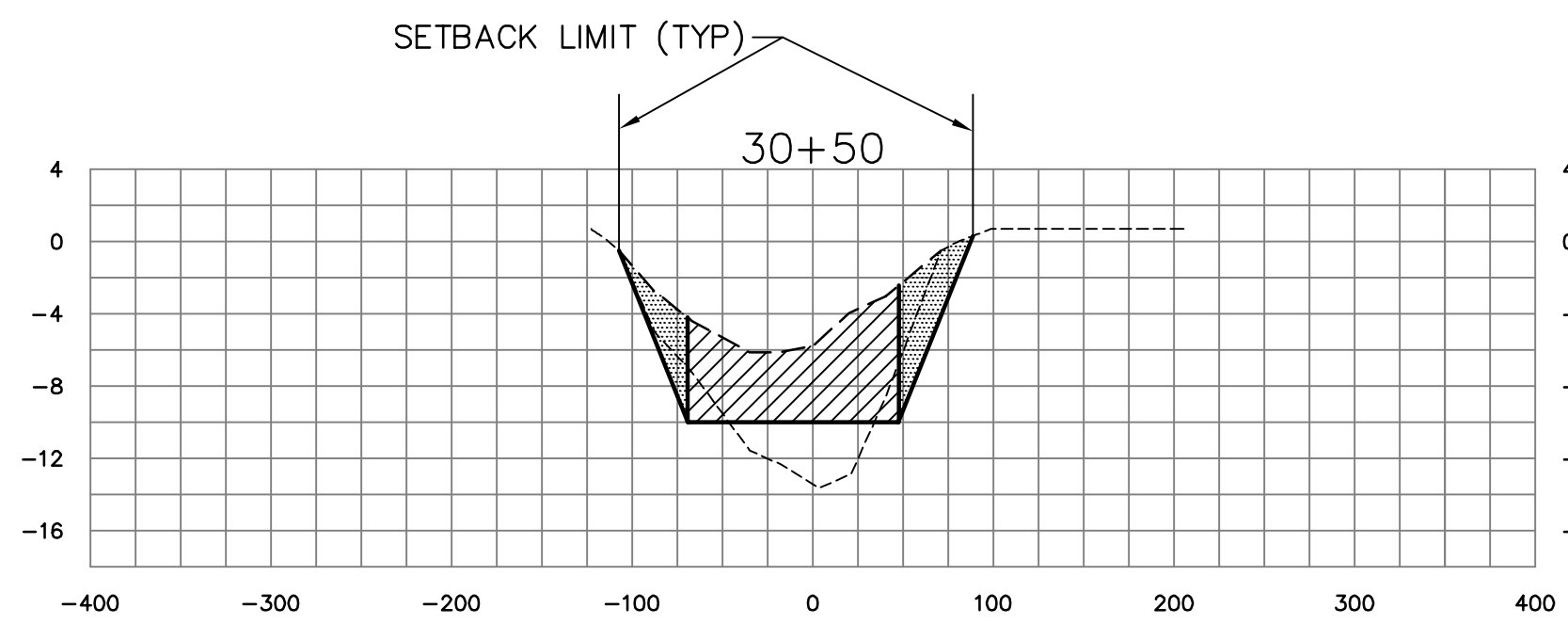
100' 0' 100' 200'

SCALE: 1"=100' HORIZONTAL

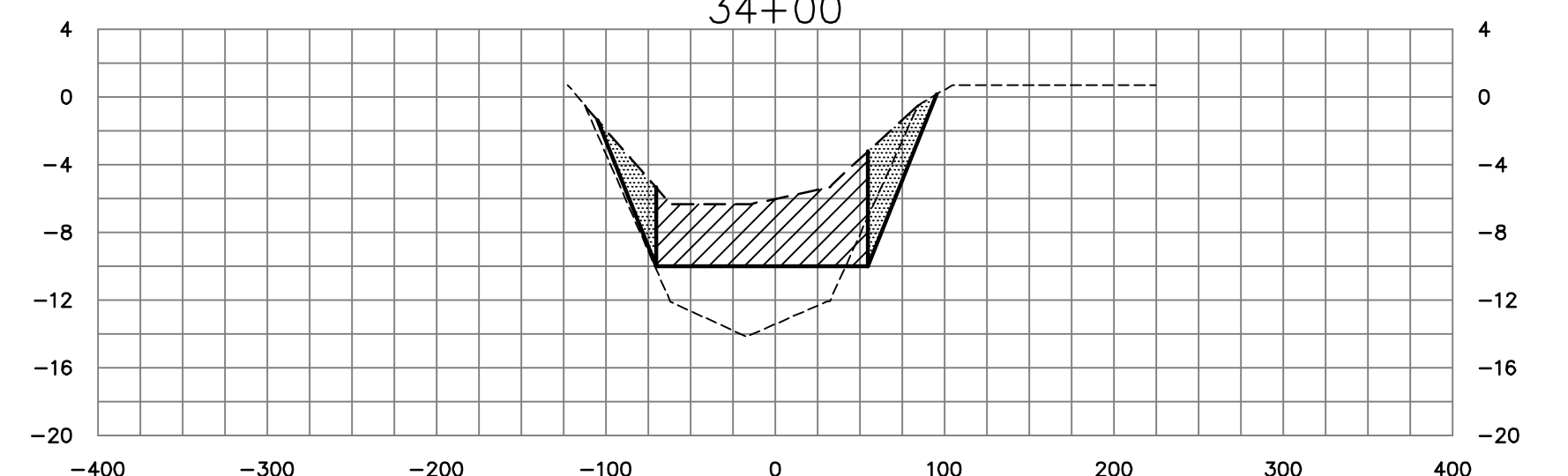
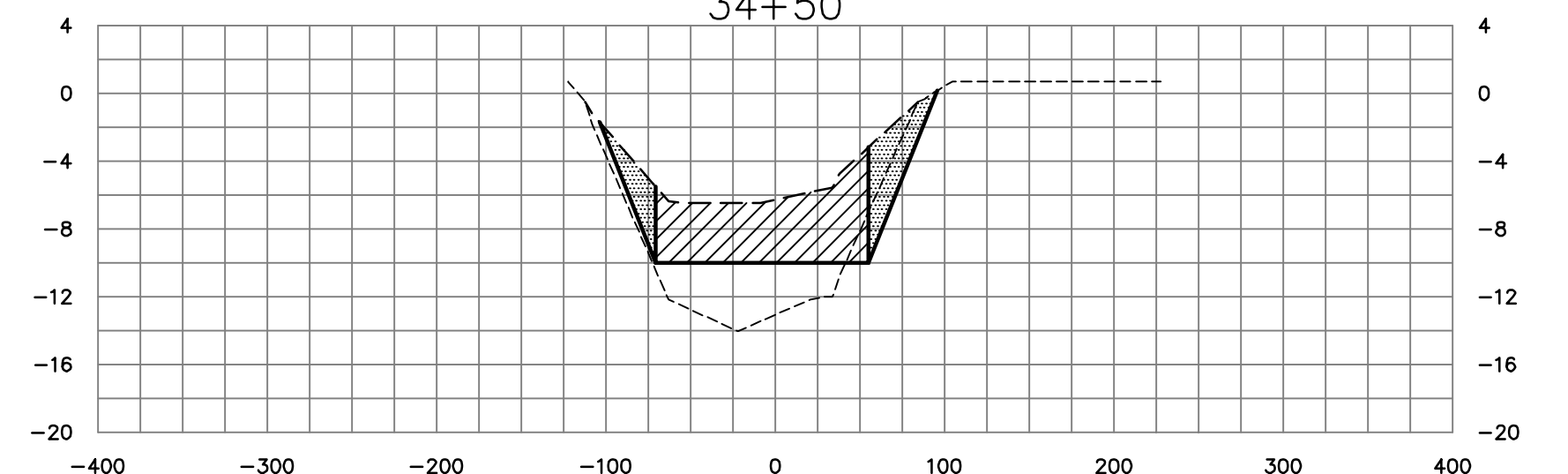
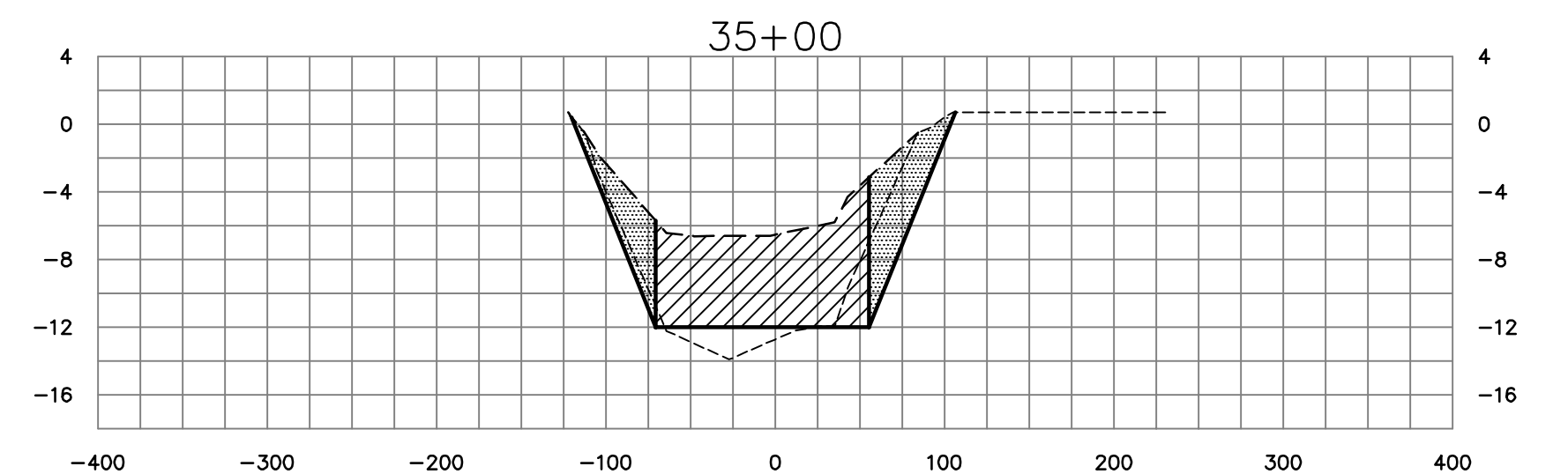
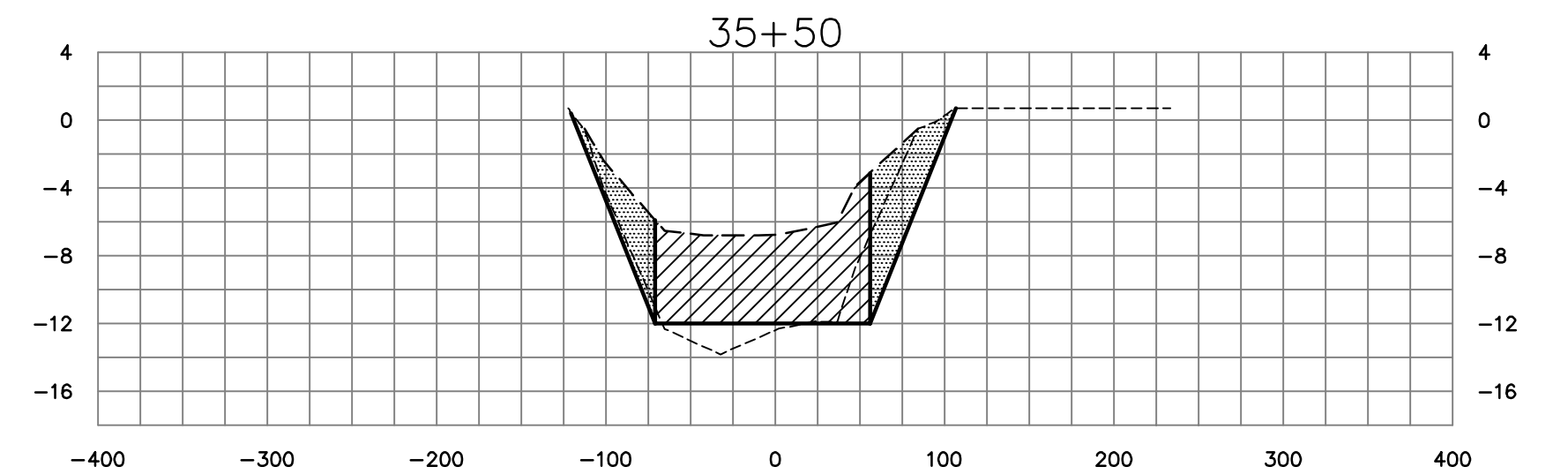
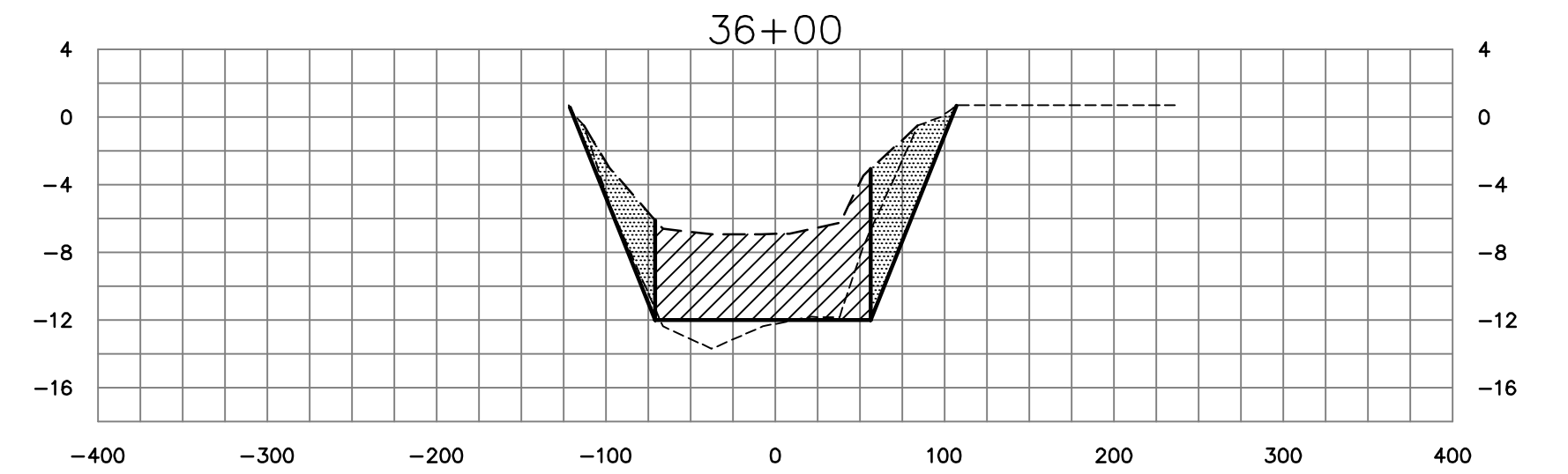
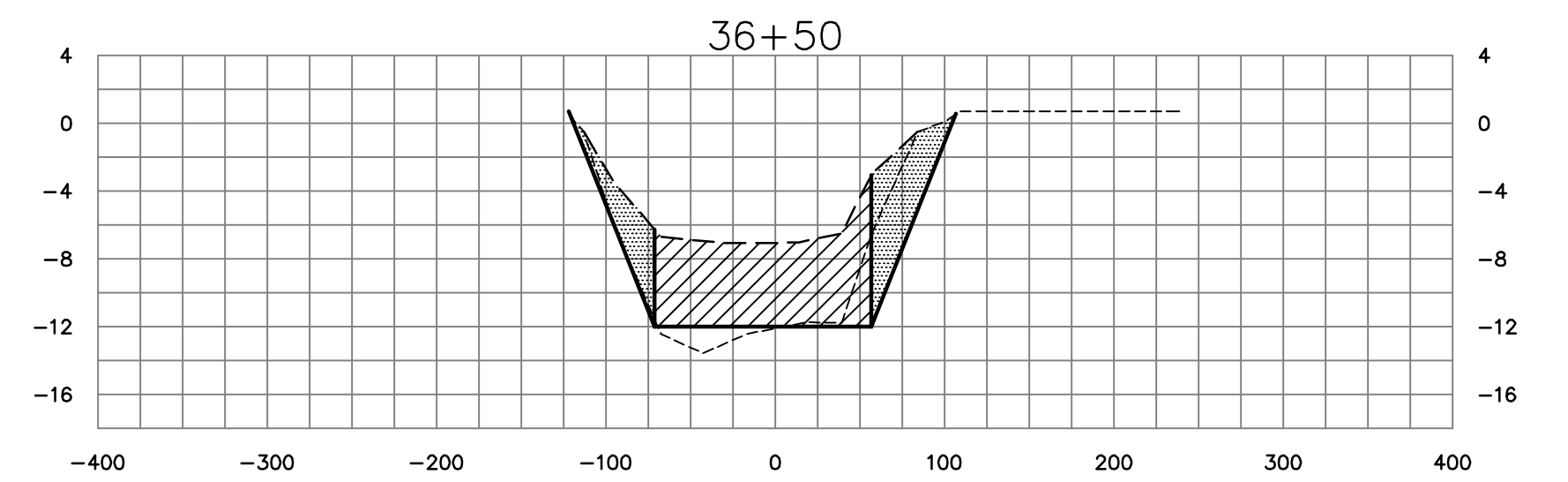
SCALES SHOWN PERTAIN TO 22"x34" DRAWING
USE GRAPHIC SCALE IF SIZE OTHER THAN NOTED

ST JOHNS RIVER WATER MANAGEMENT DISTRICT SEBASTIAN RIVER MUCK REMOVAL SEBASTIAN, FLORIDA		DREDGE CROSS SECTIONS SHEET 36 OF 51	
MOFFATT & NICHOL 1509 W. SWANN AVE. SUITE 225 TAMPA, FLORIDA 33606 (813)258-8818		DR	CHK
DSGN	MP	TITLE	
SUBMITTED BY		JOB NO. 4642-04	
100% SUBMITTAL DRAWINGS NOT TO BE USED FOR CONSTRUCTION			
DATE JUNE 2005			
SHEET 52 OF 67			
XS36			

DWG. INFO: 46420X03037.DWG, JUN 27 2005 -- 05:20 PM, CSABINO, (C) MOFFATT AND NICHOL

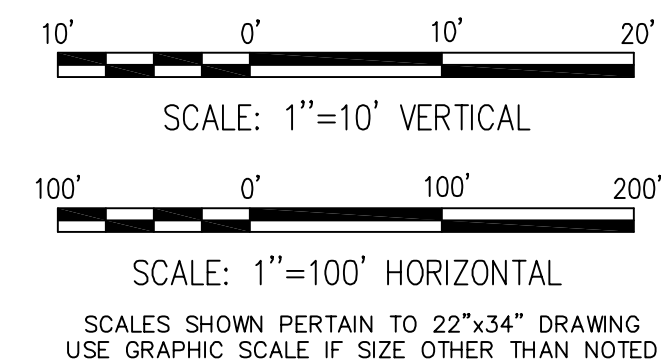


C-54 CANAL CROSS SECTIONS



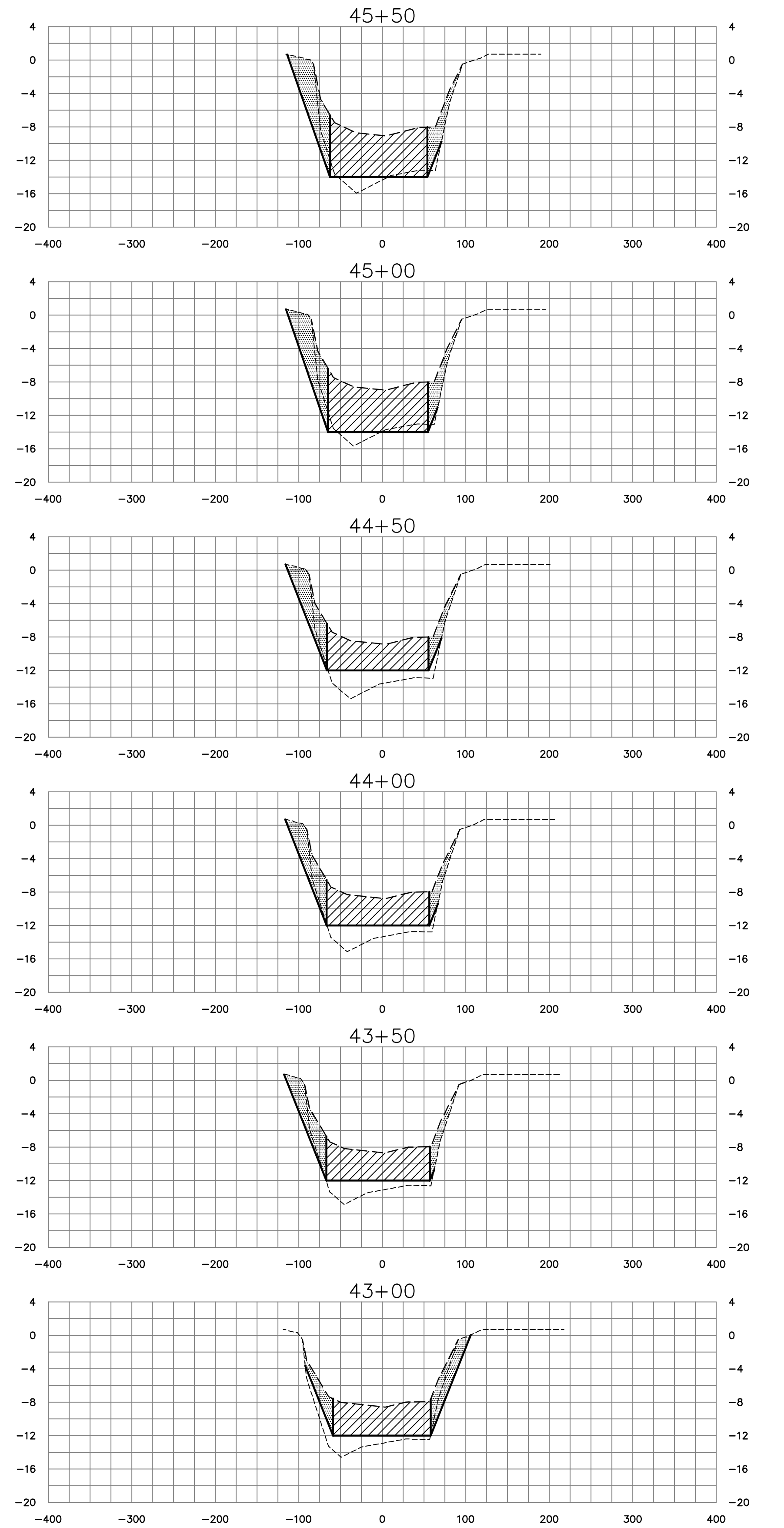
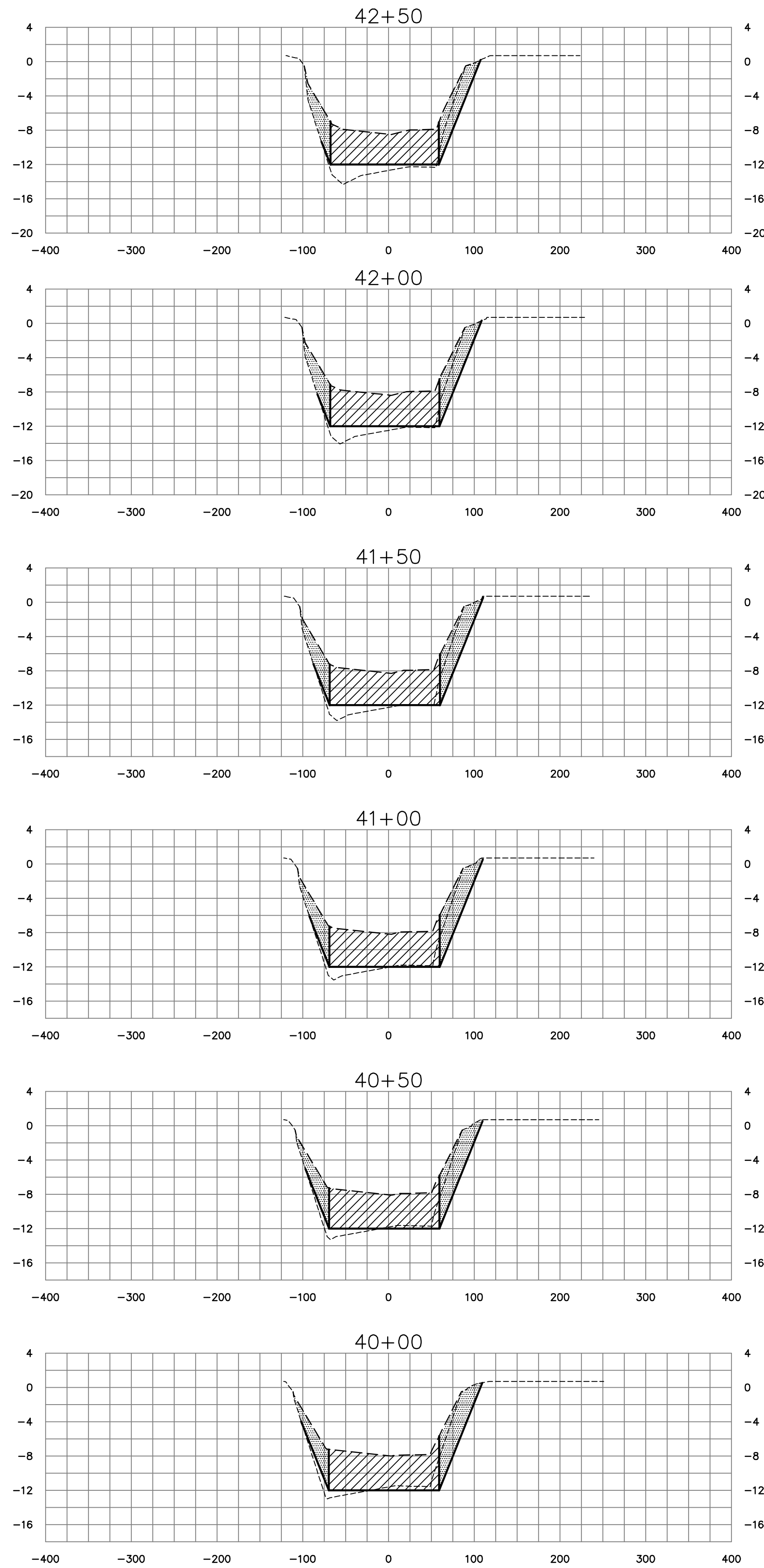
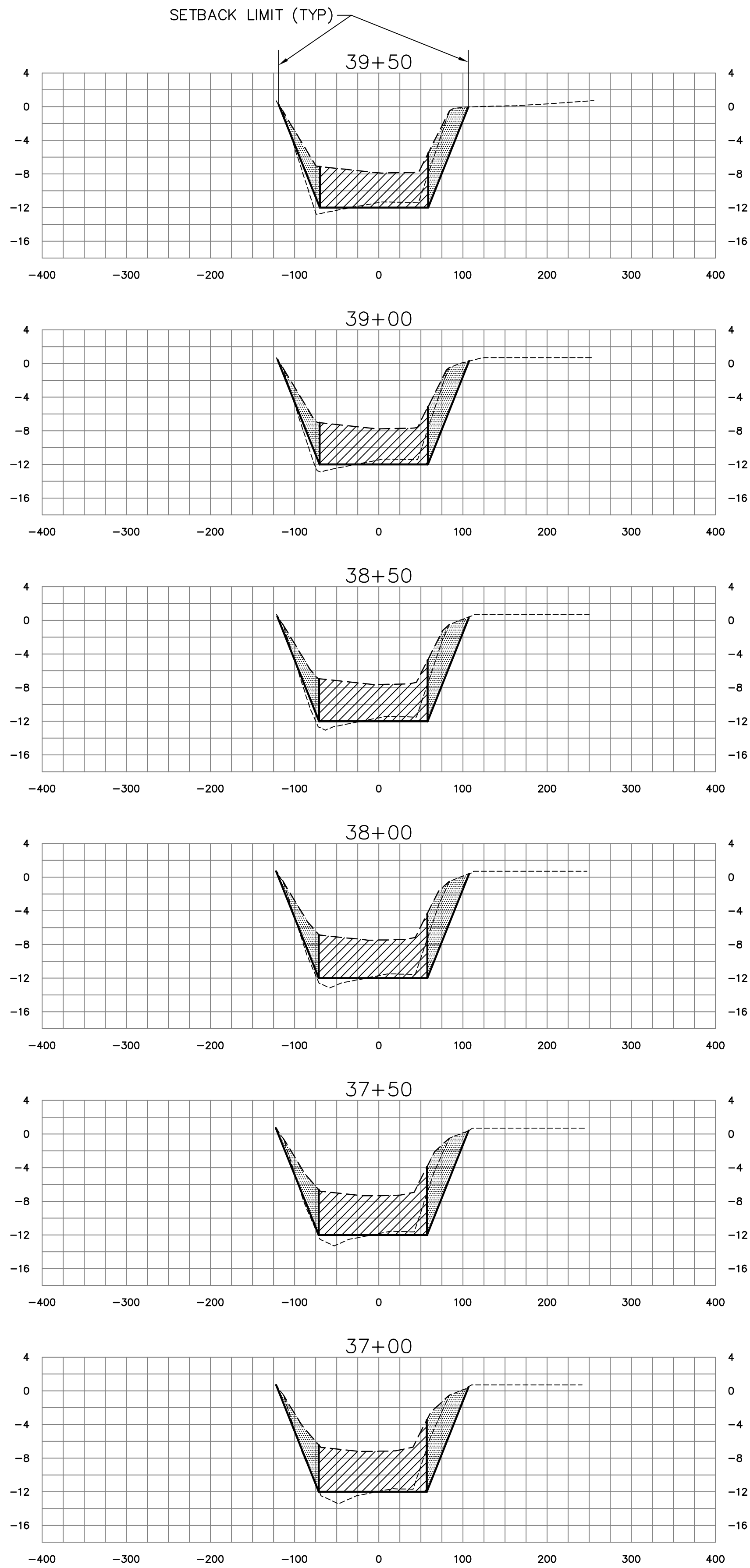
LEGEND

- APPROXIMATE PRE-MUCK SURFACE
- APPROXIMATE TOP OF MUCK SURFACE
- ////// DENOTES BOXCUT DREDGE AREA
- DENOTES ANTICIPATED MUCK SLOUGHING AREA



ST JOHNS RIVER WATER MANAGEMENT DISTRICT SEBASTIAN RIVER MUCK REMOVAL SEBASTIAN, FLORIDA		DREDGE CROSS SECTIONS SHEET 37 OF 51	
MOFFATT & NICHOL 1509 W. SWANN AVE. SUITE 225 TAMPA, FLORIDA 33606 (813)258-8818		DR	CHK
DSGN	JOB NO. 4642-04	SUBMITTED BY	MP
100% SUBMITTAL DRAWINGS NOT TO BE USED FOR CONSTRUCTION			
DATE JUNE 2005			
SHEET 53 OF 67			
XS37			

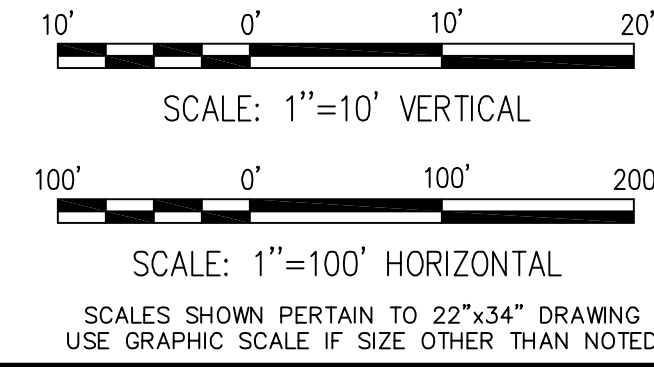
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C-54 CANAL CROSS SECTIONS

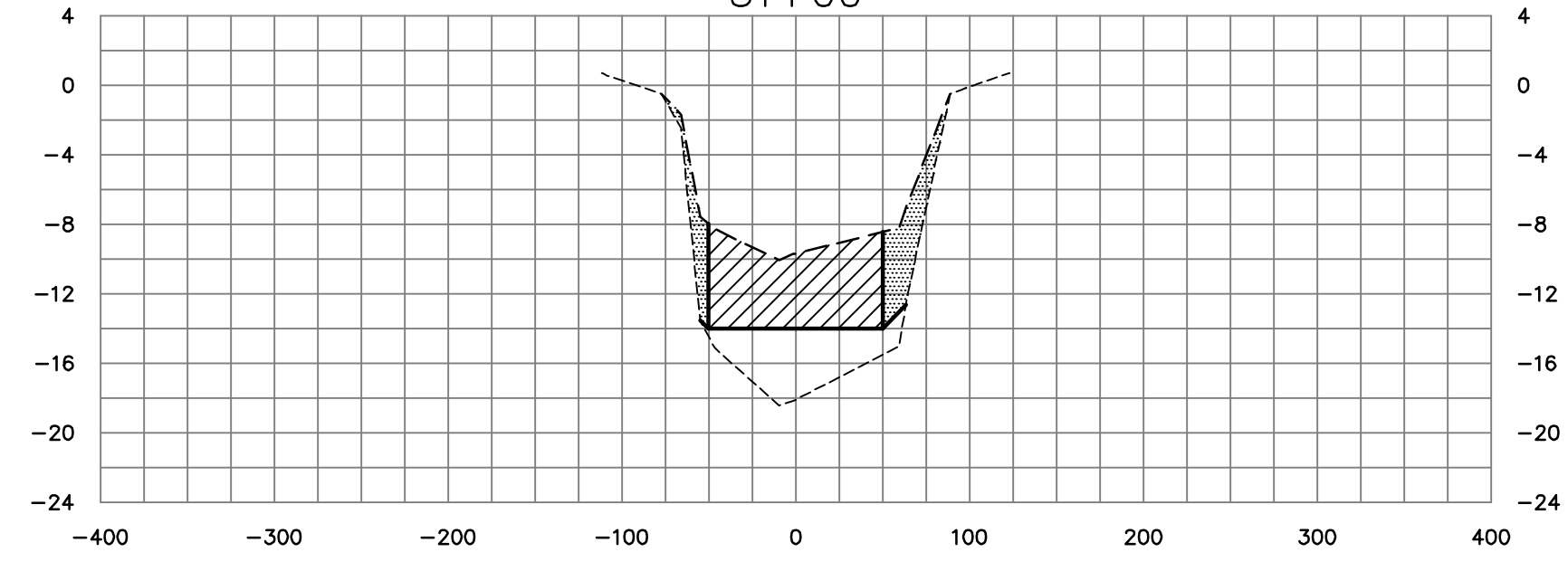
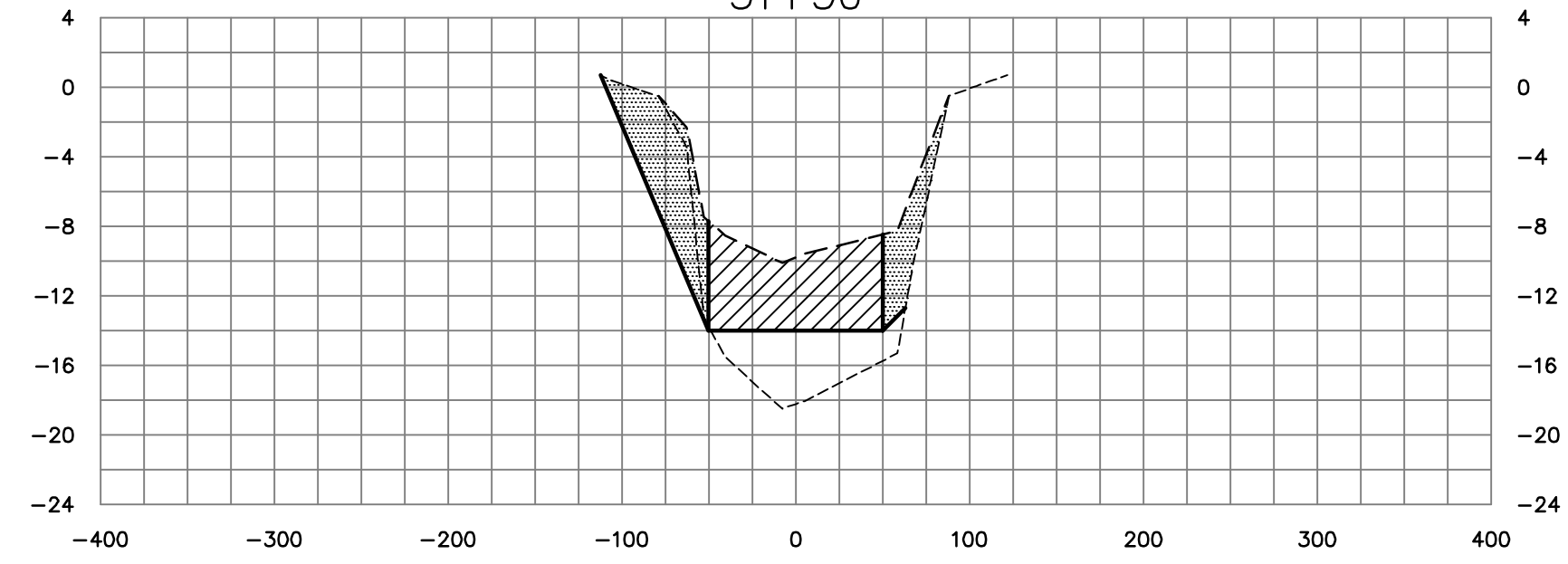
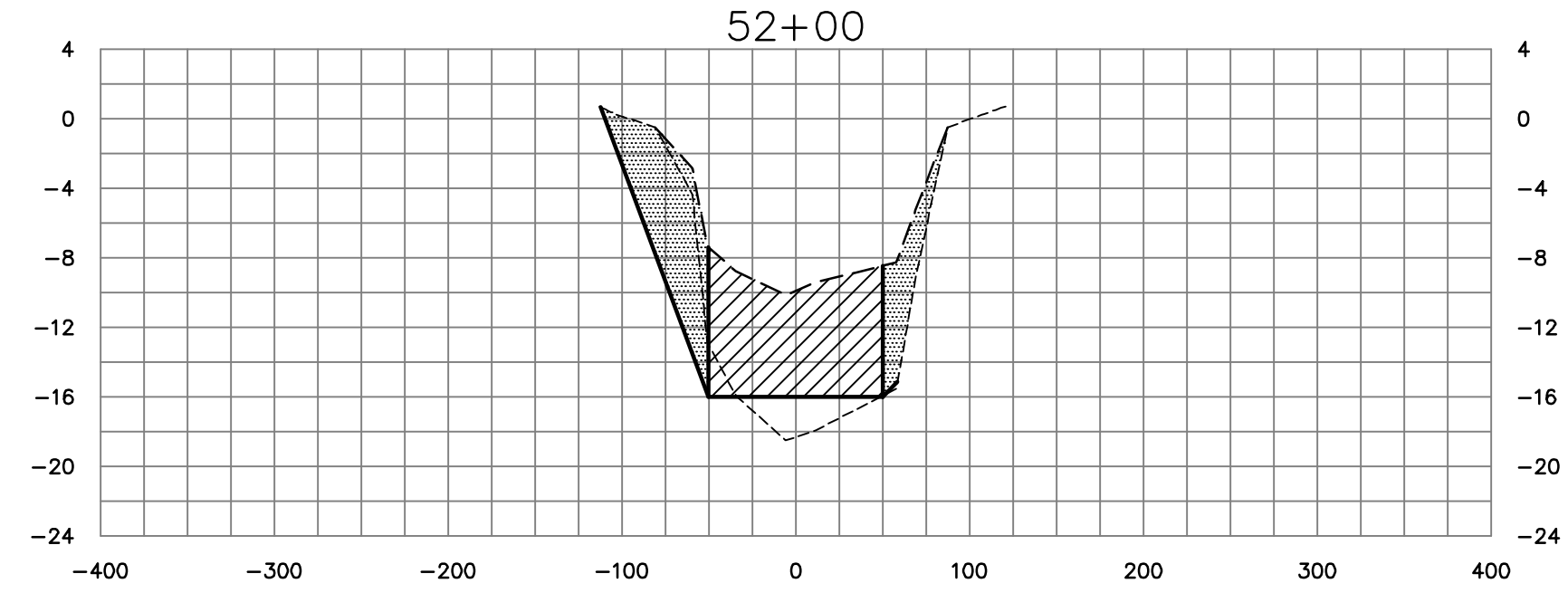
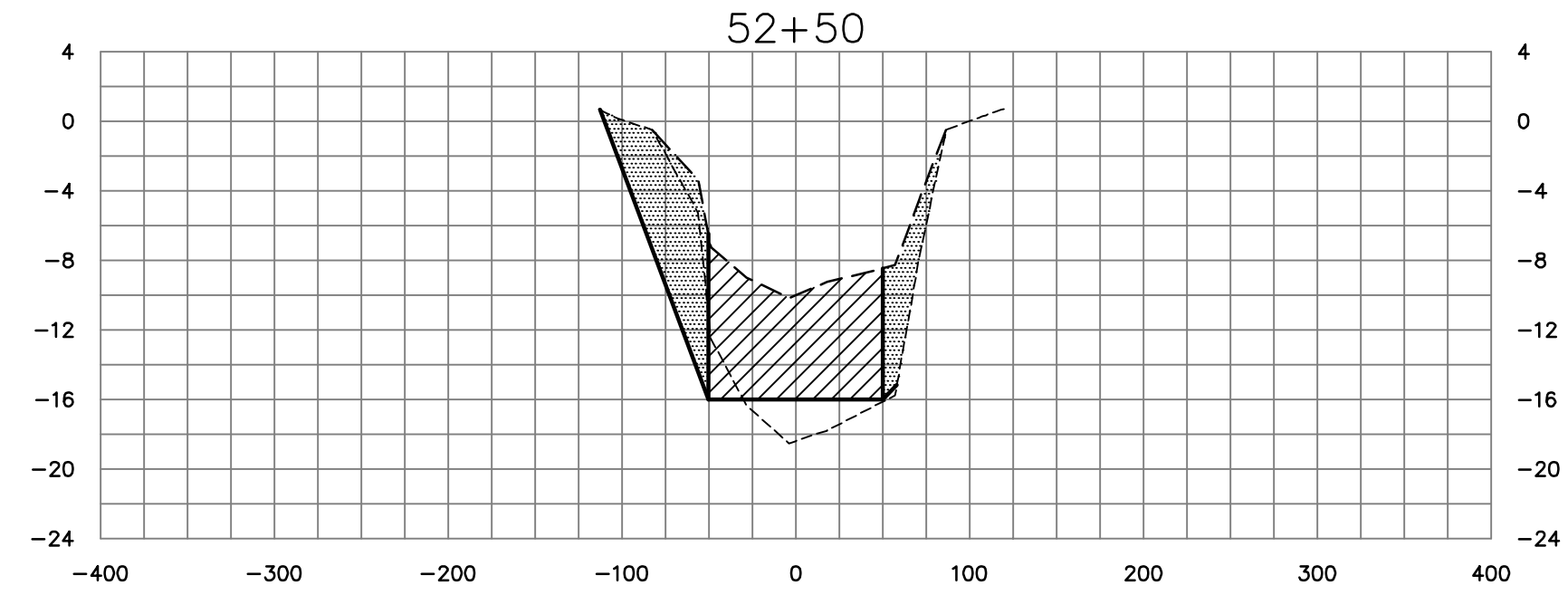
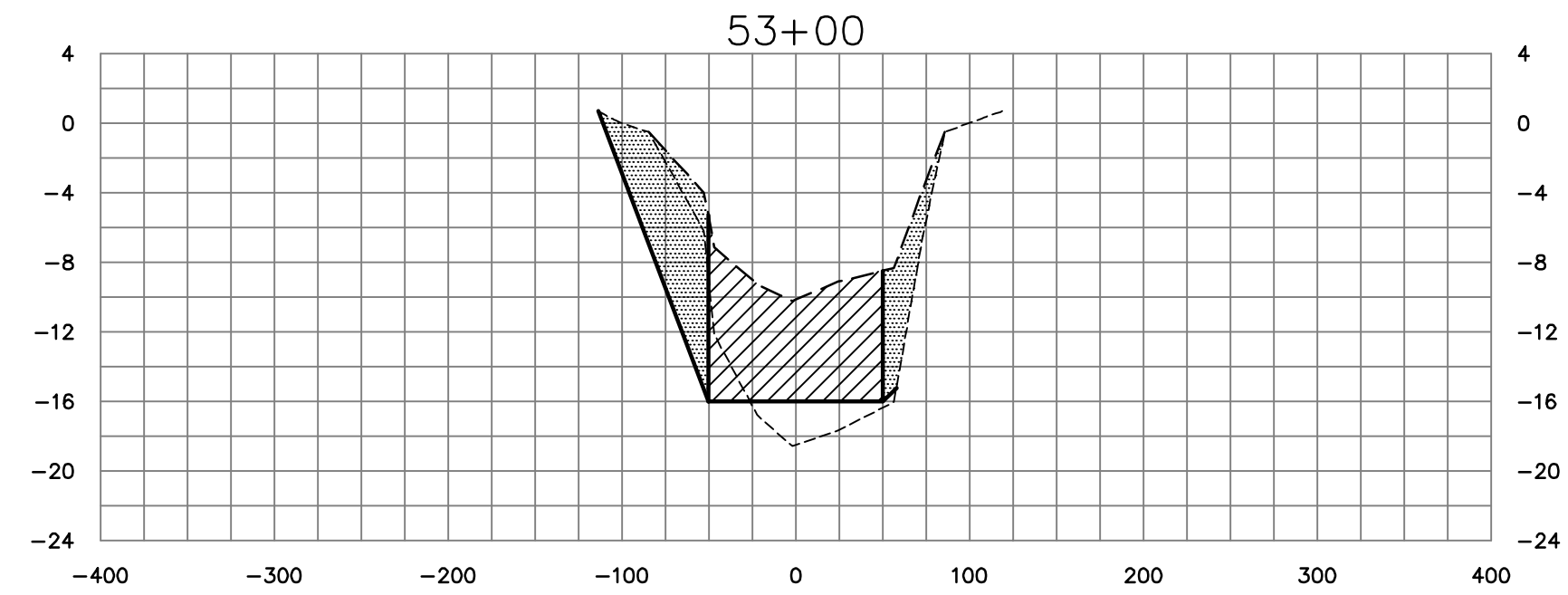
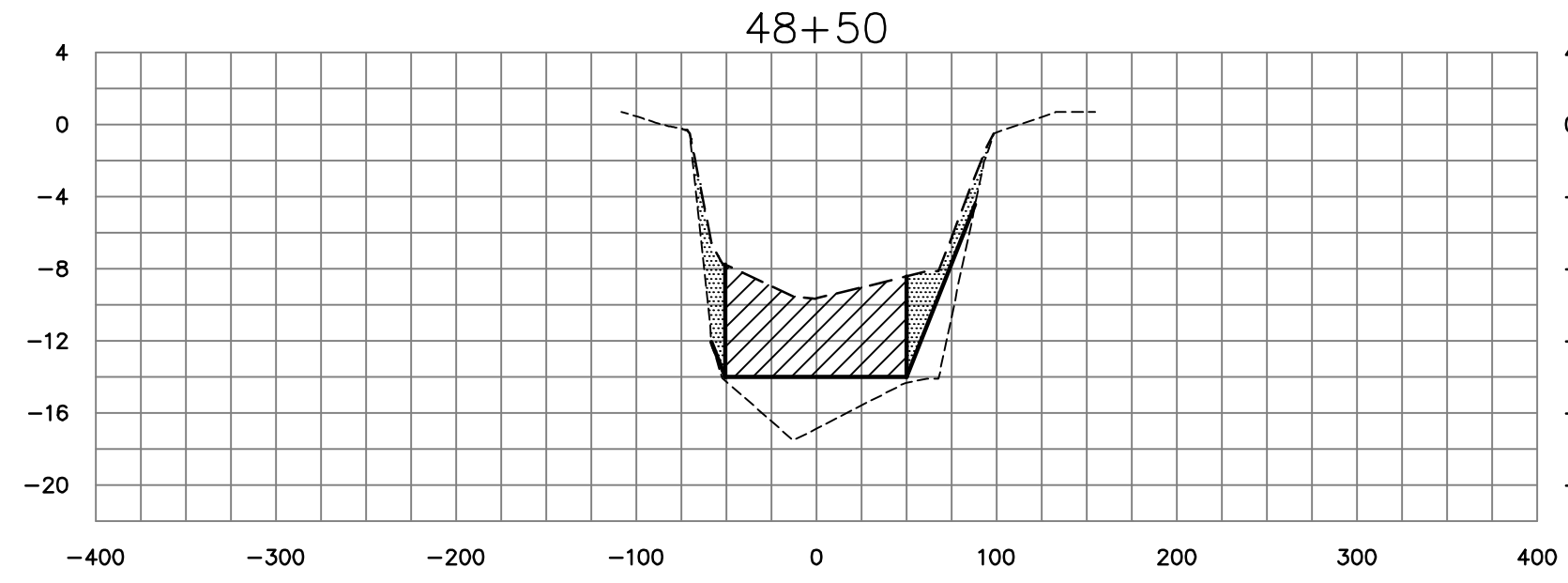
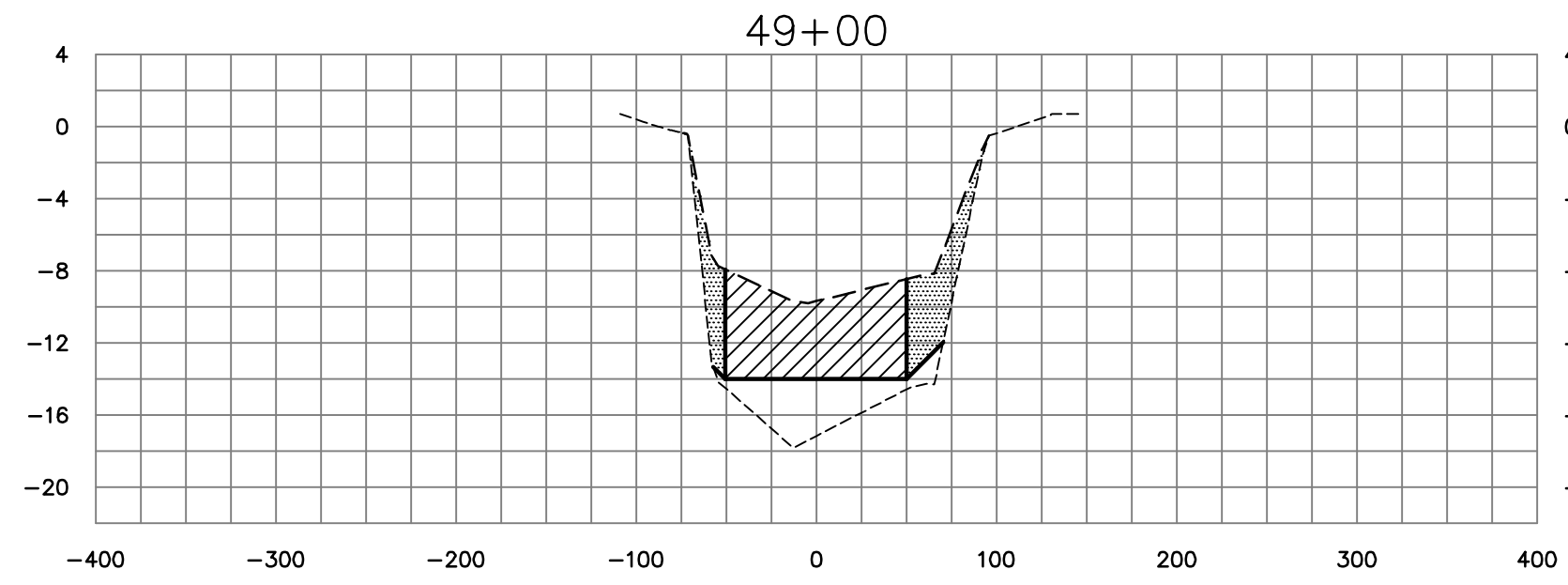
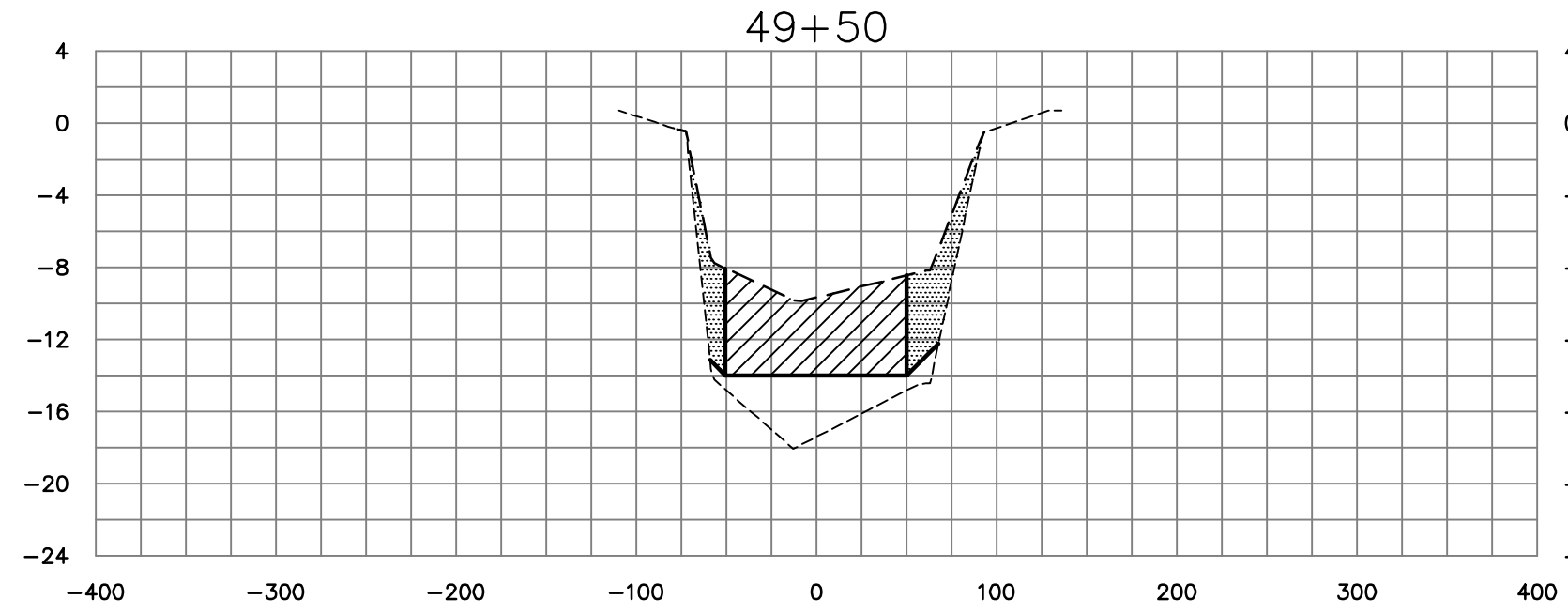
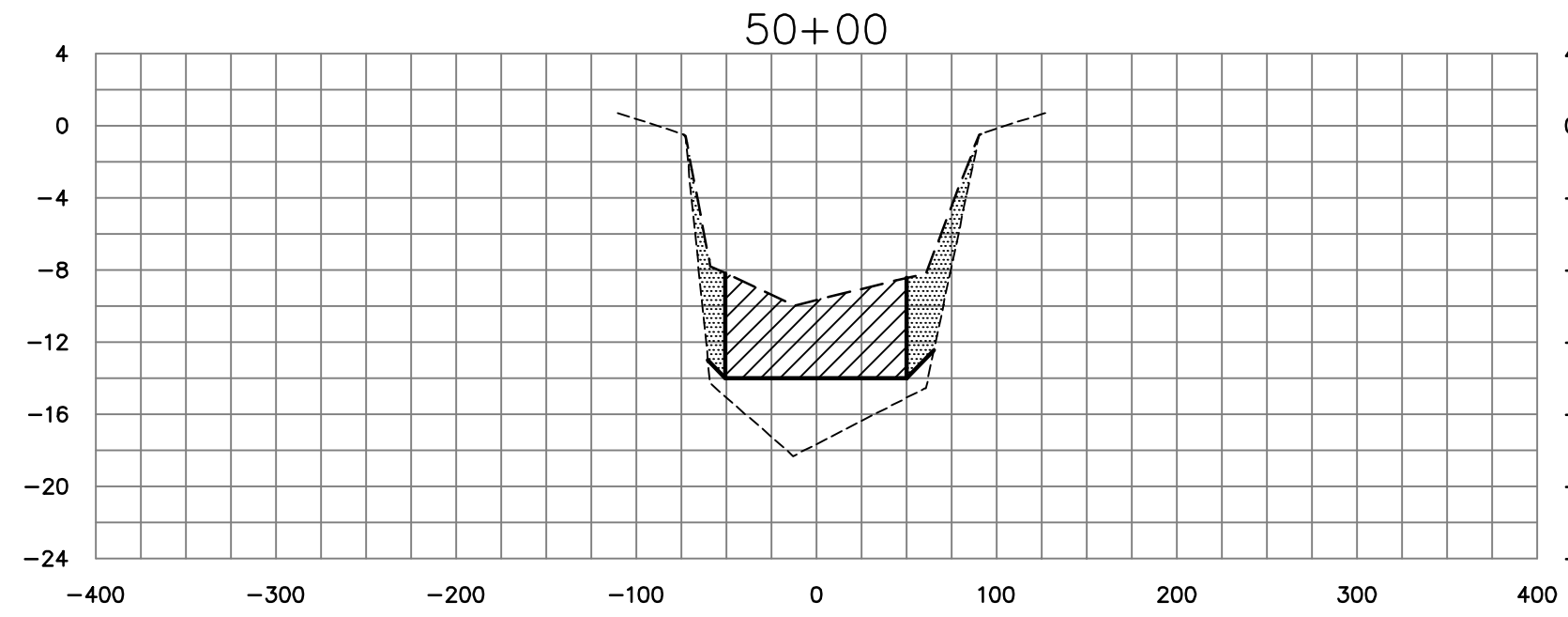
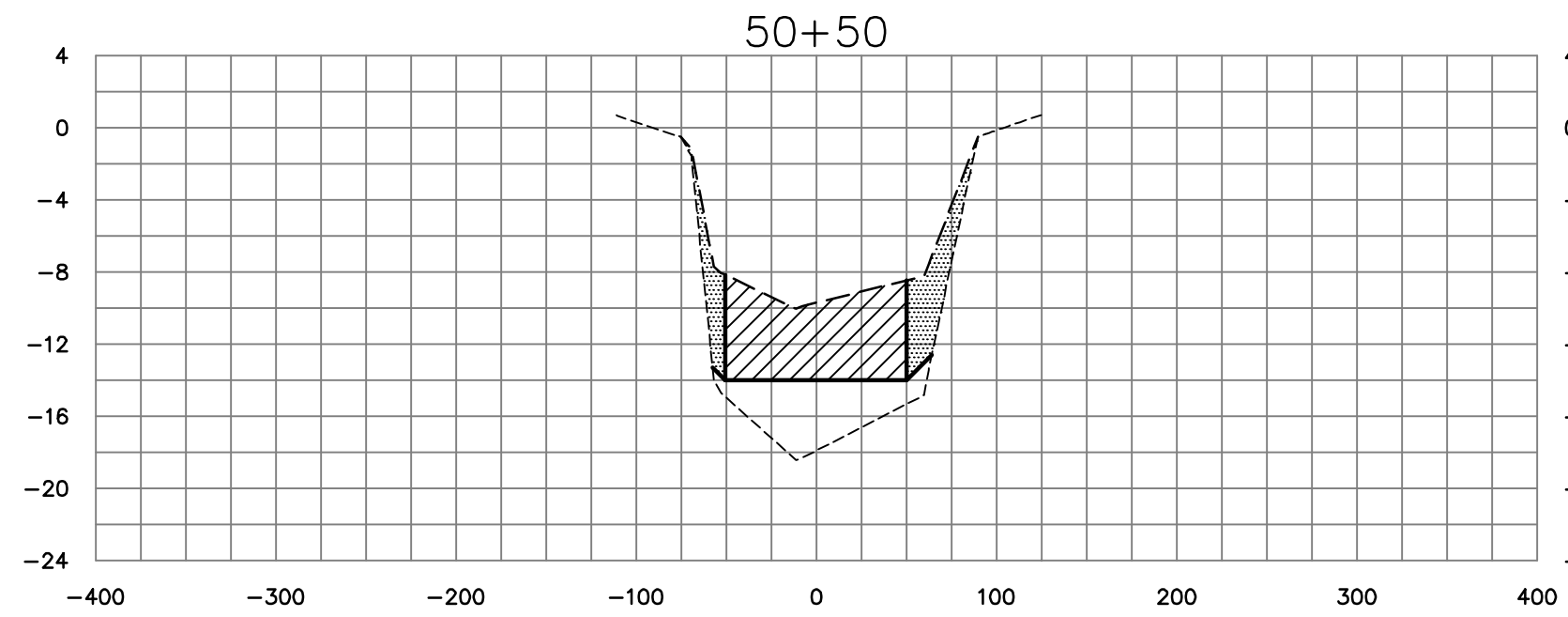
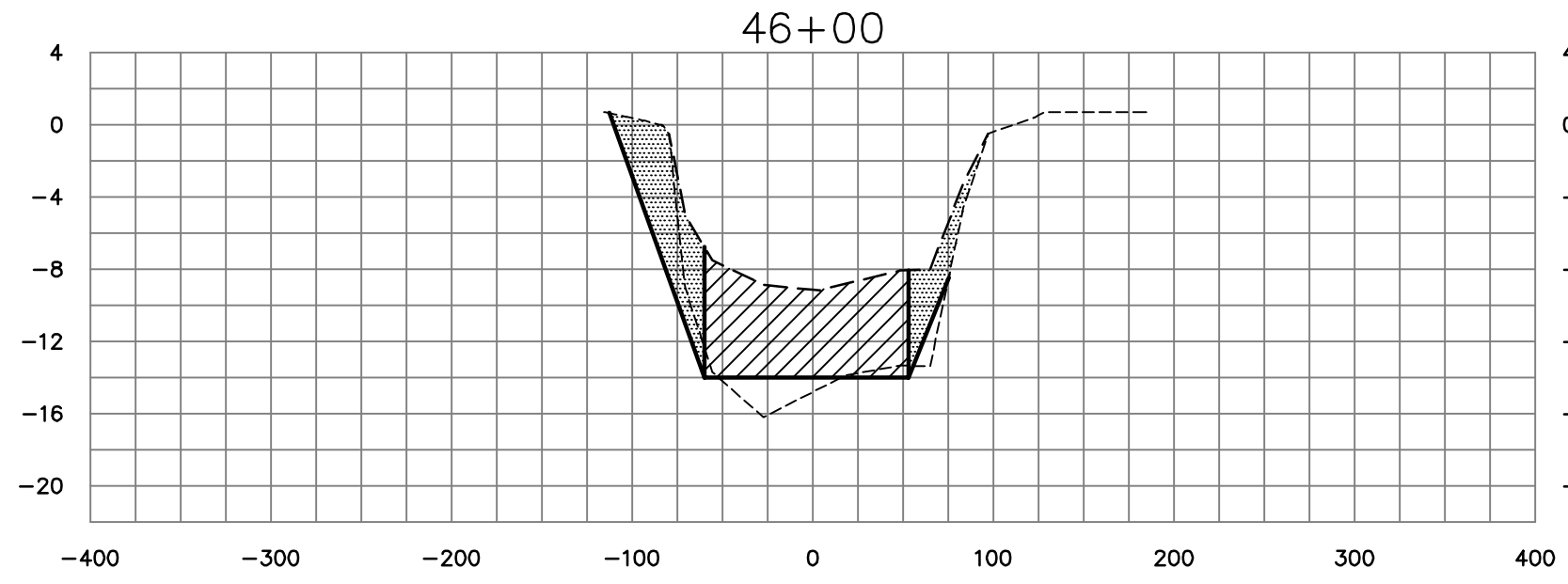
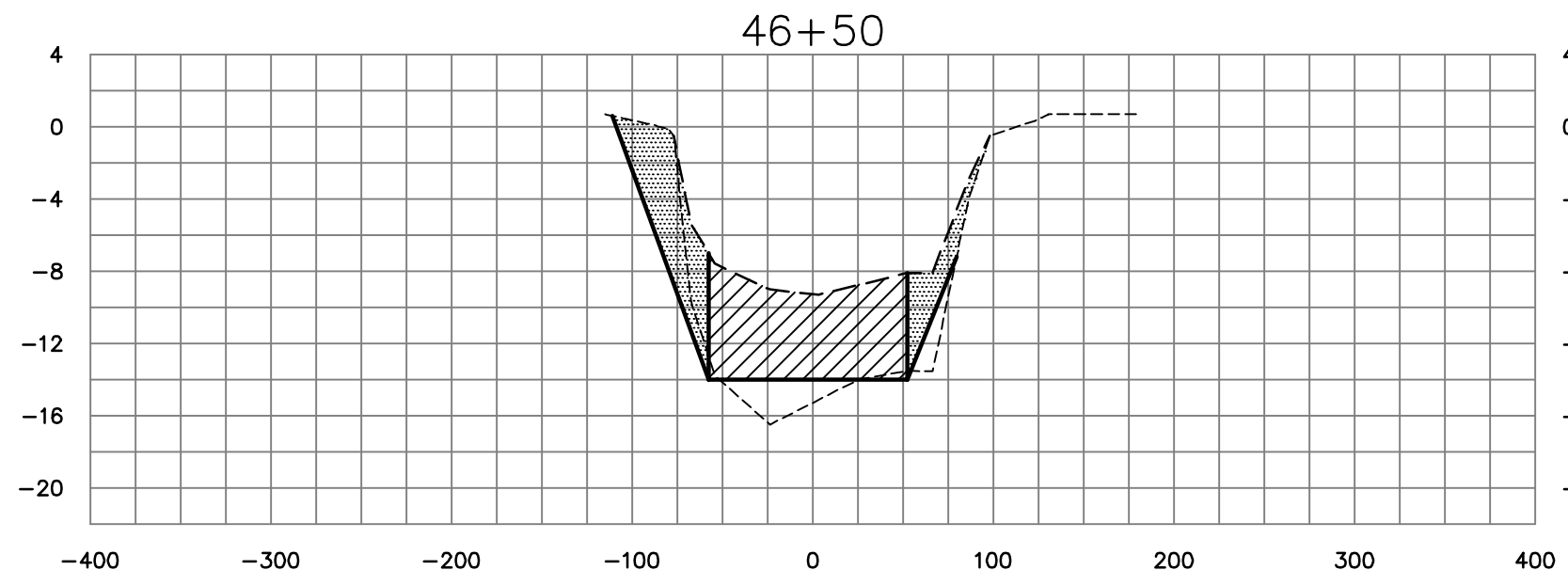
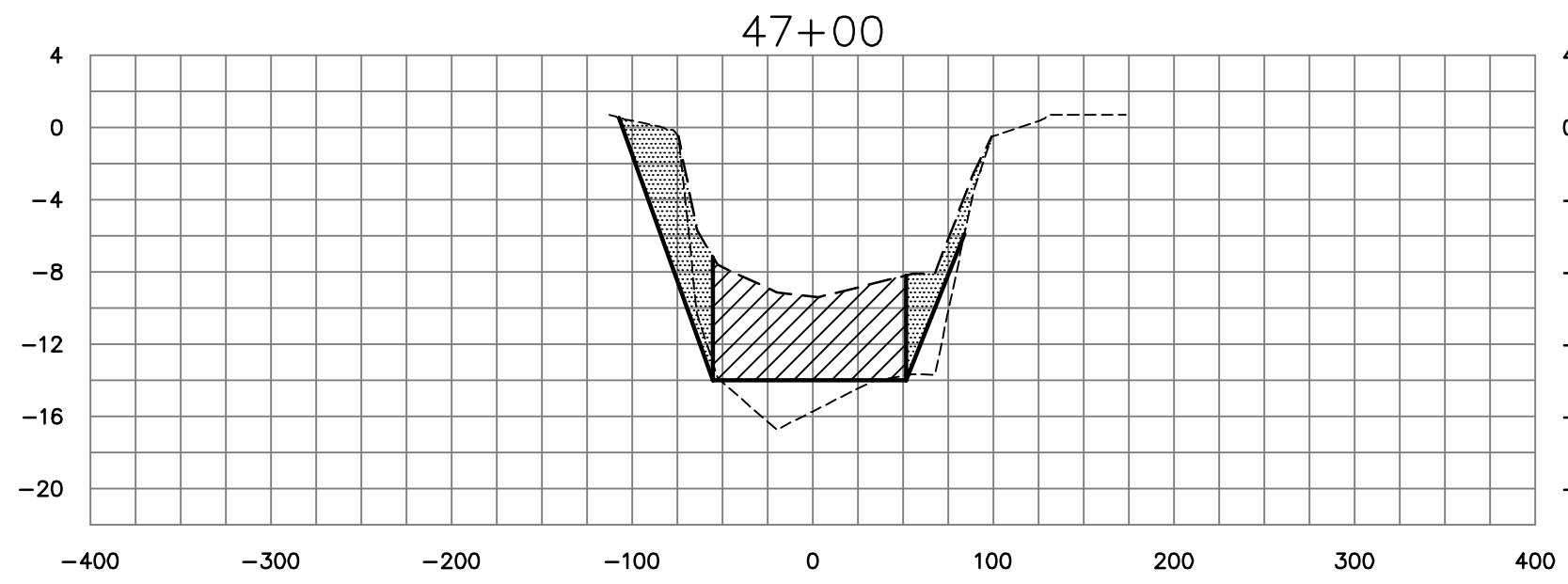
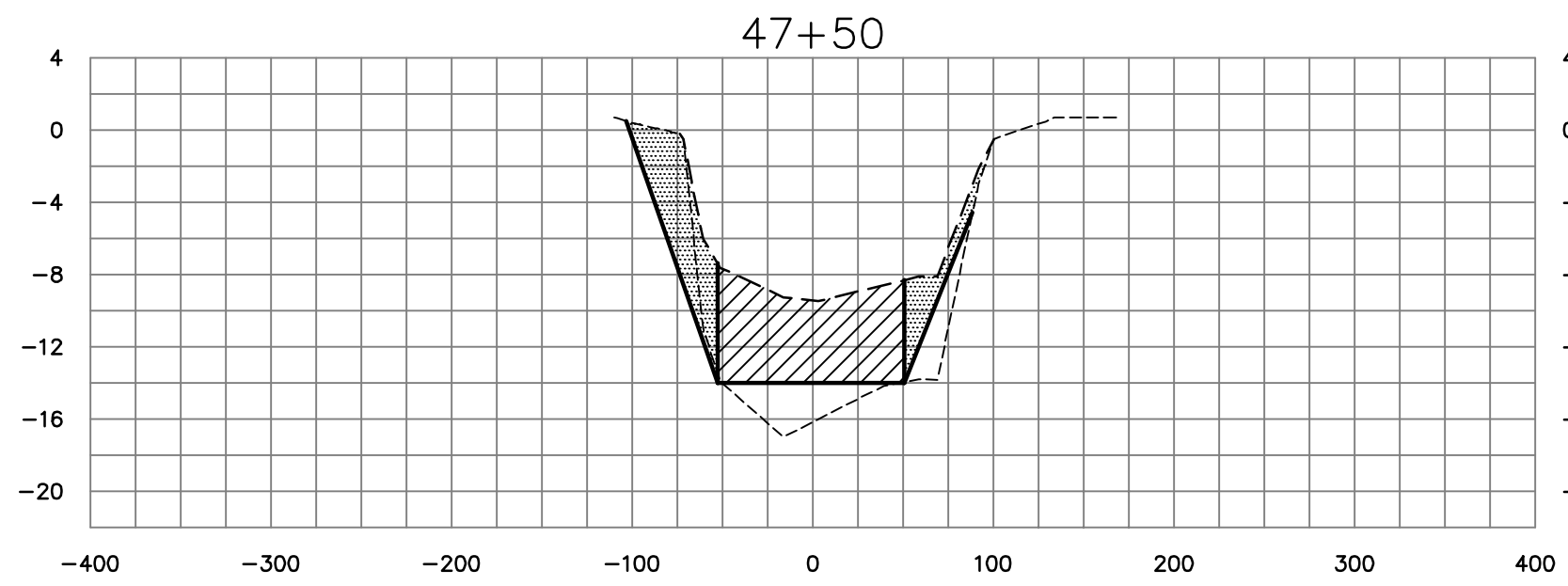
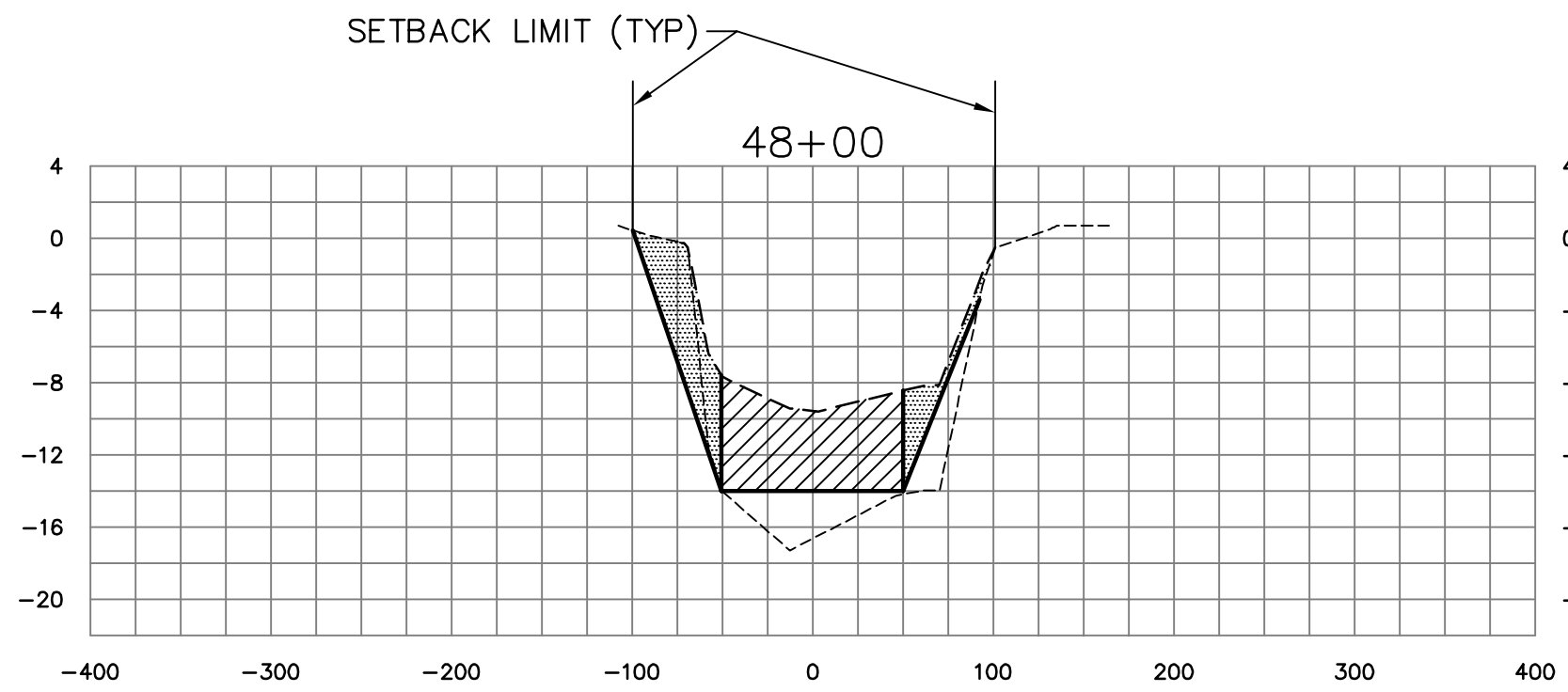
LEGEND

- APPROXIMATE PRE-MUCK SURFACE
- - - - - APPROXIMATE TOP OF MUCK SURFACE
- ▨ DENOTES BOXCUT DREDGE AREA
- ▨ DENOTES ANTICIPATED MUCK SLOUGHING AREA



ST JOHNS RIVER WATER MANAGEMENT DISTRICT SEBASTIAN RIVER MUCK REMOVAL SEBASTIAN, FLORIDA		DREDGE CROSS SECTIONS SHEET 38 OF 51	
MOFFATT & NICHOL 1509 W. SWANN AVE. SUITE 225 TAMPA, FLORIDA 33606 (813)258-8818		DR	CHK
DSGN	JOB NO. 4642-04	SUBMITTED BY	MP
100% SUBMITTAL DRAWINGS NOT TO BE USED FOR CONSTRUCTION			
DATE JUNE 2005			
SHEET 54 OF 67			
XS38			

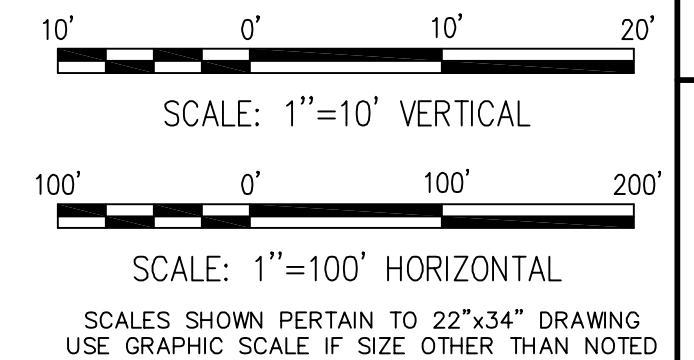
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C-54 CANAL CROSS SECTIONS

LEGEND

- APPROXIMATE PRE-MUCK SURFACE
- APPROXIMATE TOP OF MUCK SURFACE
- ////// DENOTES BOXCUT DREDGE AREA
- ||||| DENOTES ANTICIPATED MUCK SLOUGHING AREA



ST JOHNS RIVER WATER MANAGEMENT DISTRICT
SEBASTIAN RIVER MUCK REMOVAL
SEBASTIAN, FLORIDA



DREDGE CROSS SECTIONS
SHEET 39 OF 51

MOFFATT & NICHOL
1509 W. SWANN AVE. SUITE 225
TAMPA, FLORIDA 33606
(813)258-8818

DR SUBMITTED BY TITLE
JOB NO. 4642-04

100%
SUBMITTAL
DRAWINGS
NOT TO BE USED
FOR CONSTRUCTION

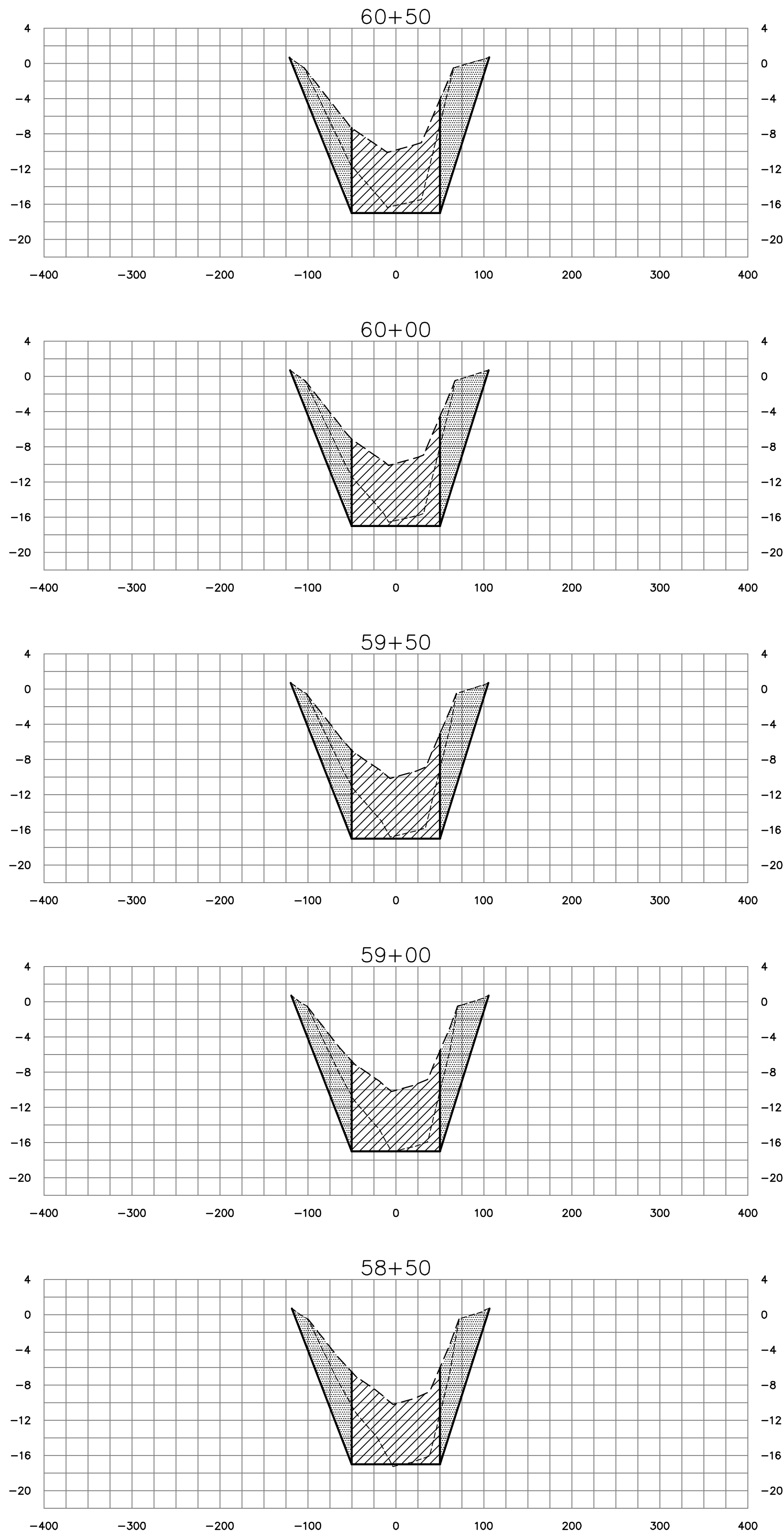
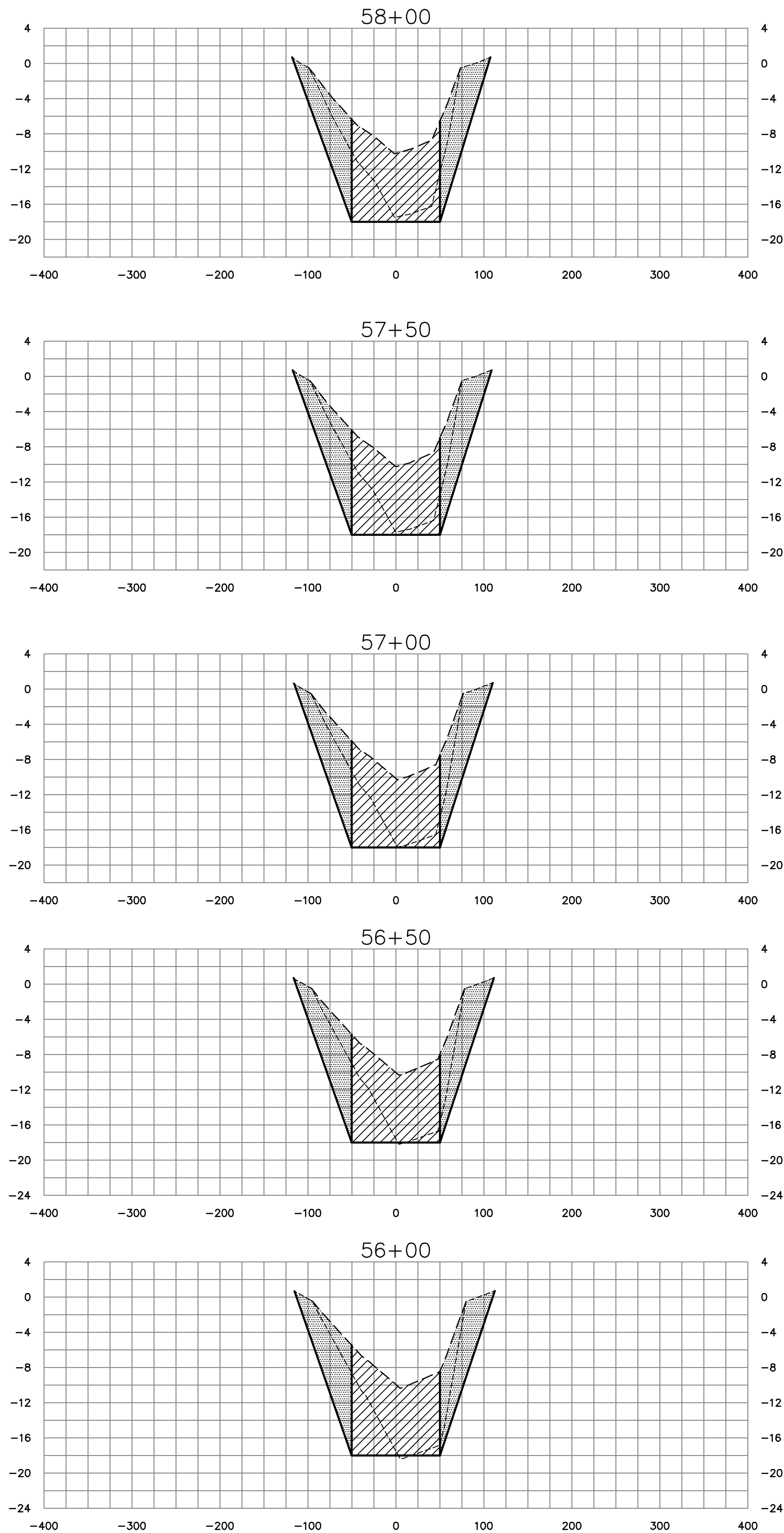
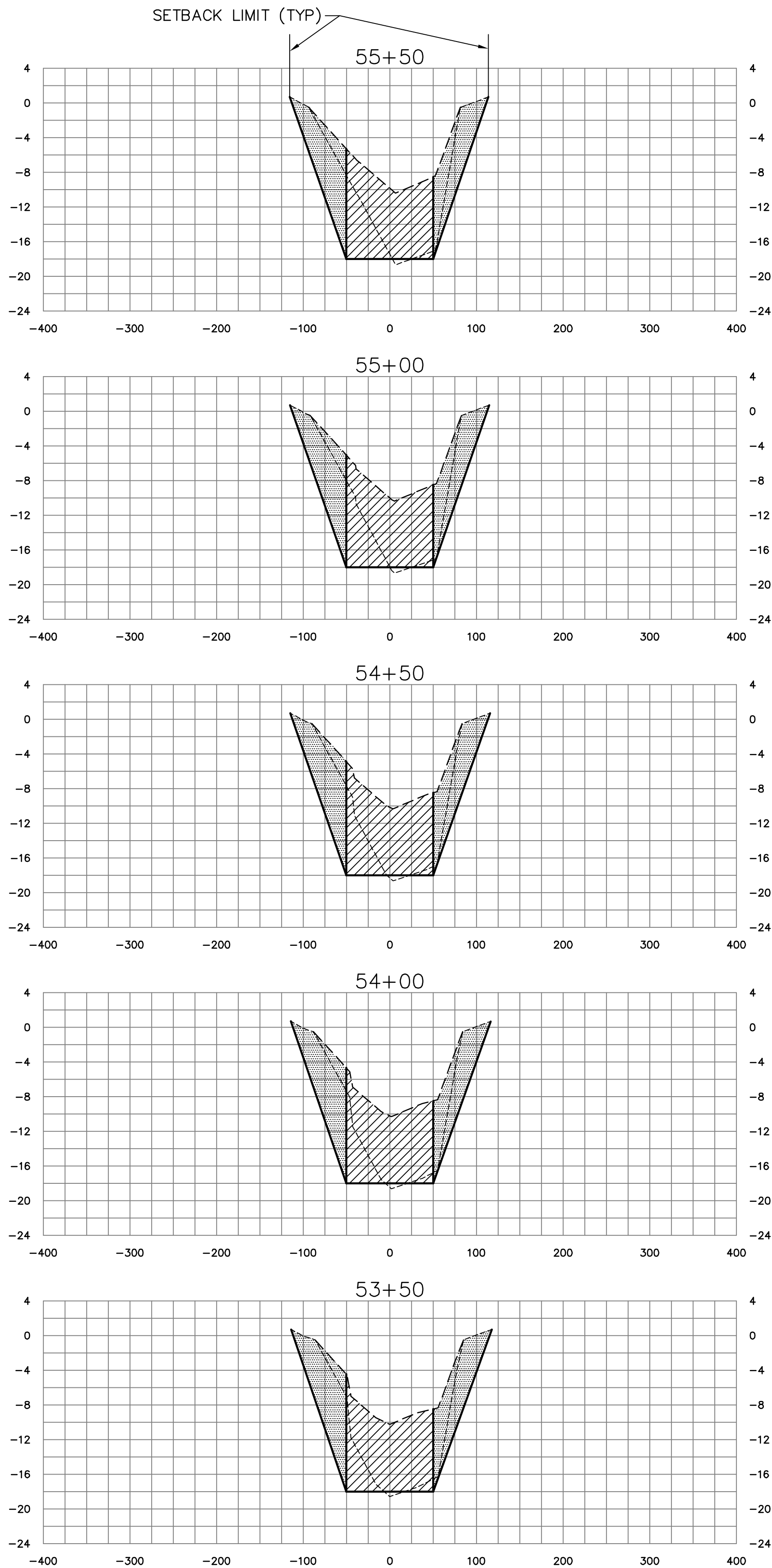
DATE JUNE 2005

SHEET 55 OF 67



XS39

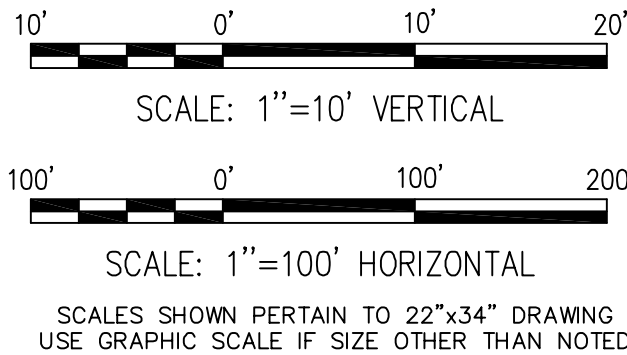
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C-54 CANAL CROSS SECTIONS

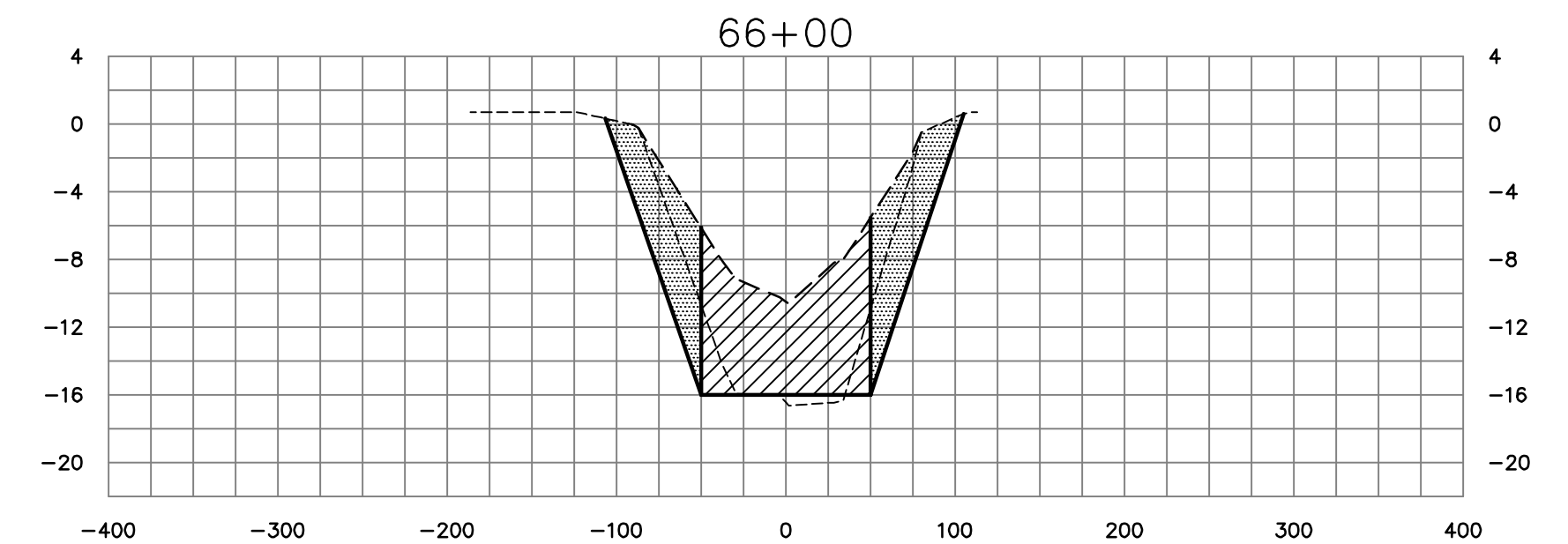
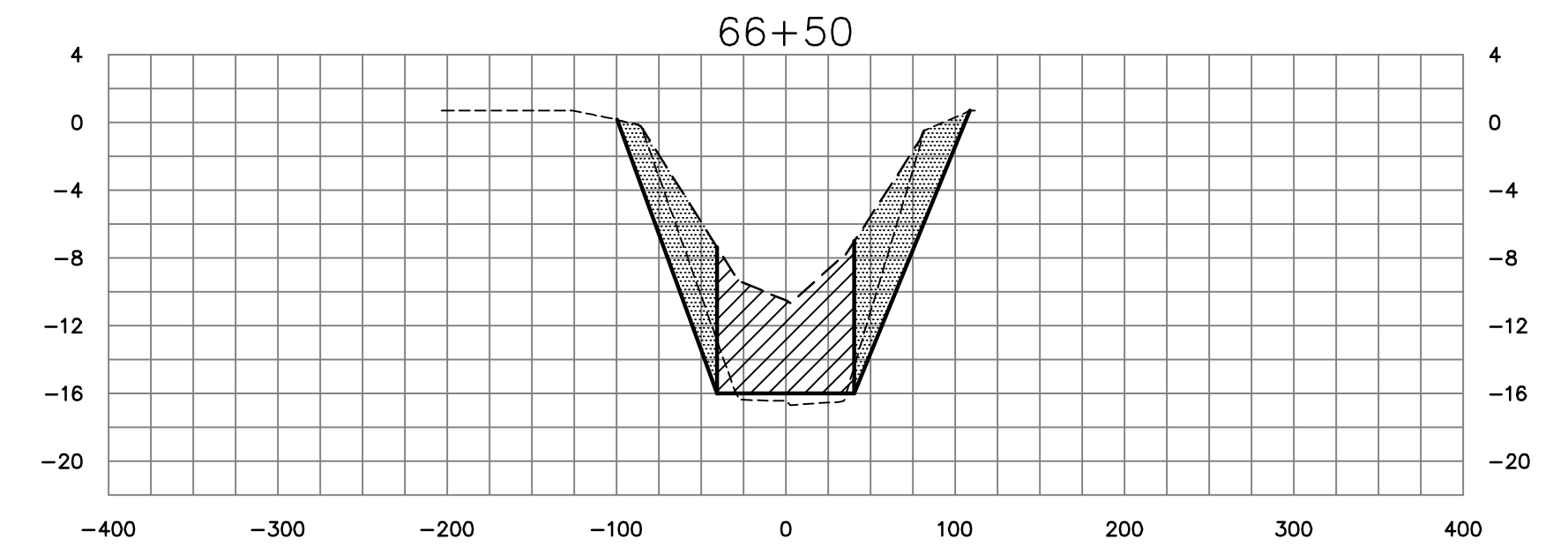
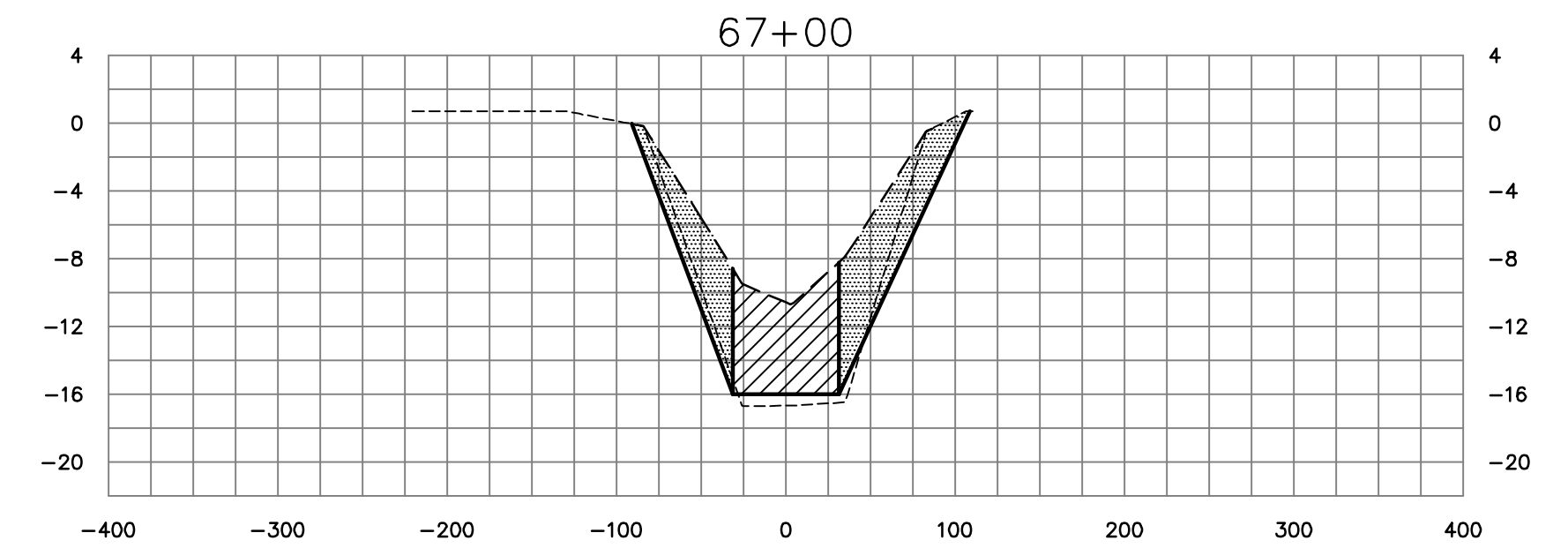
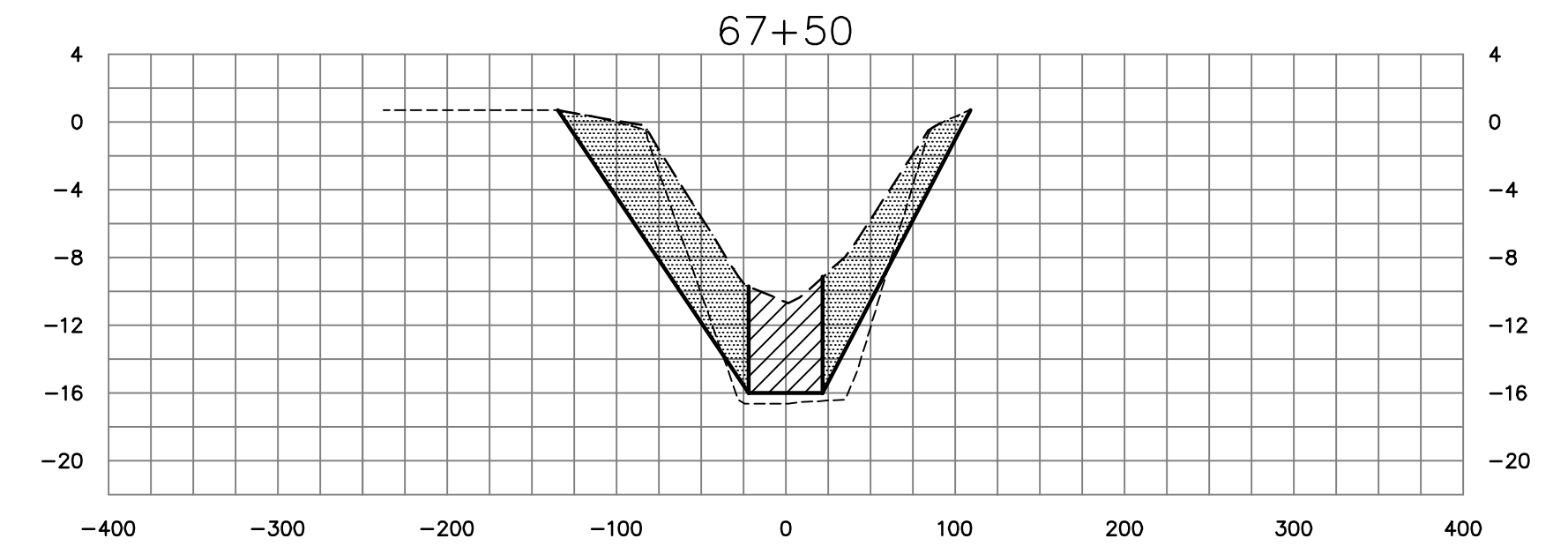
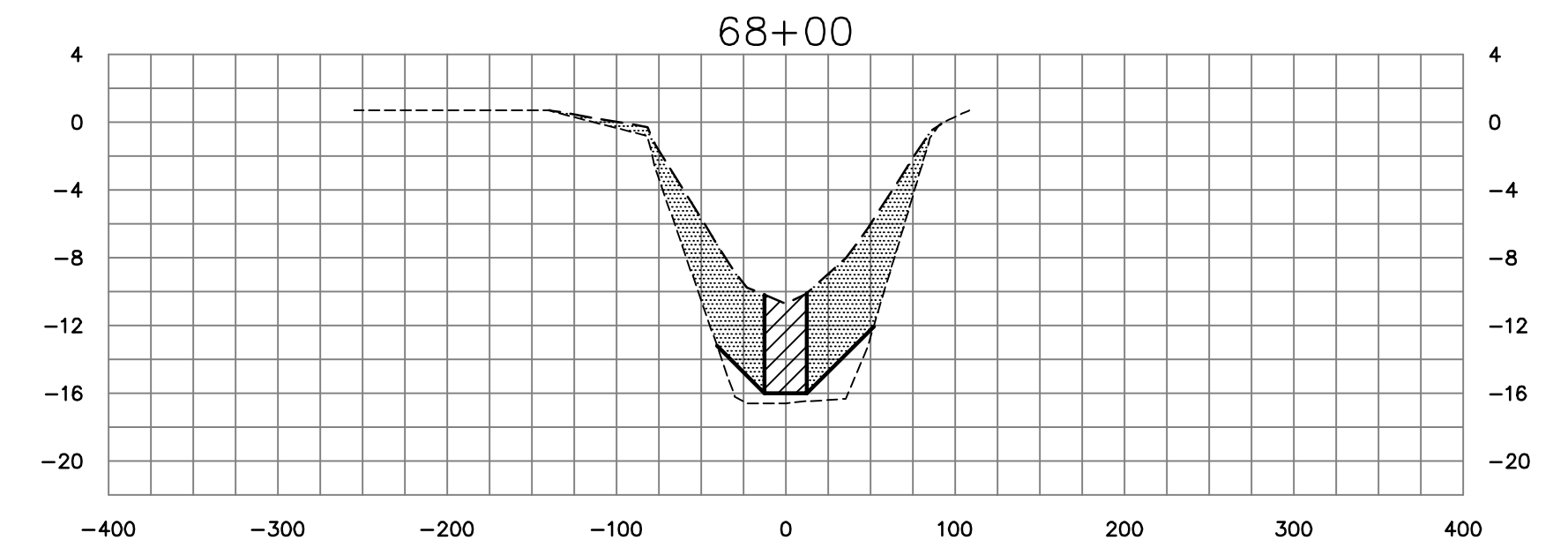
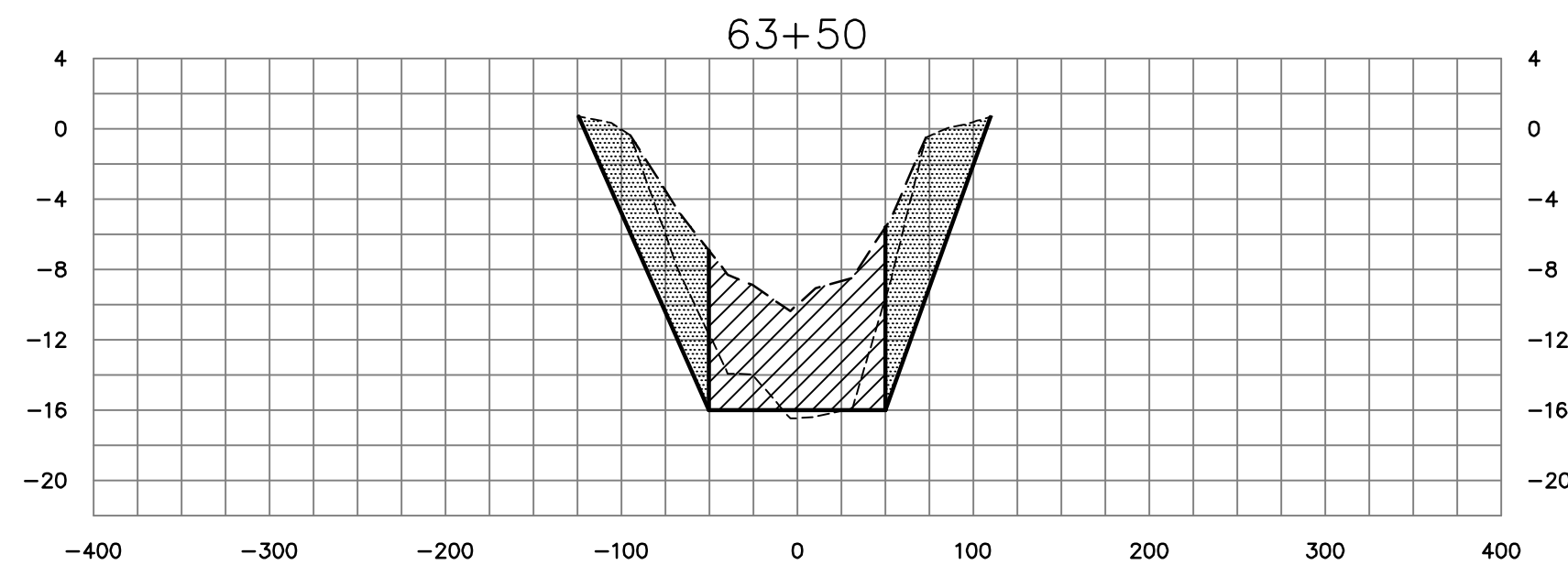
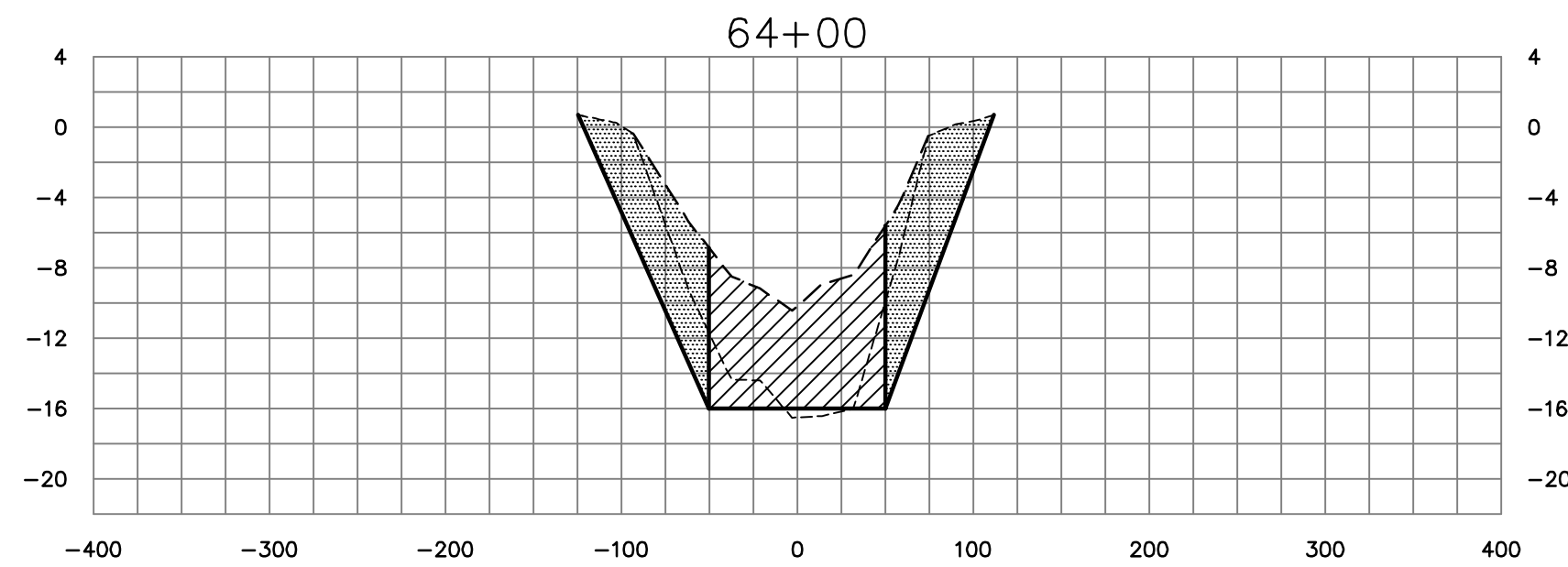
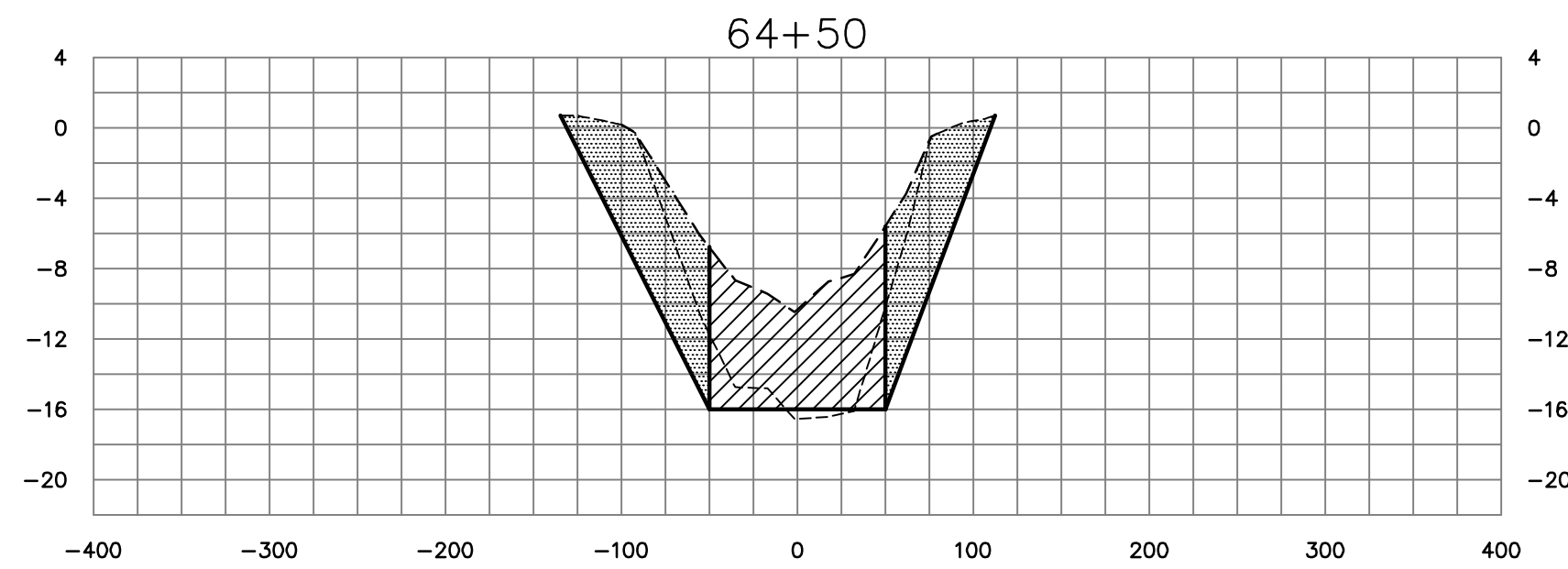
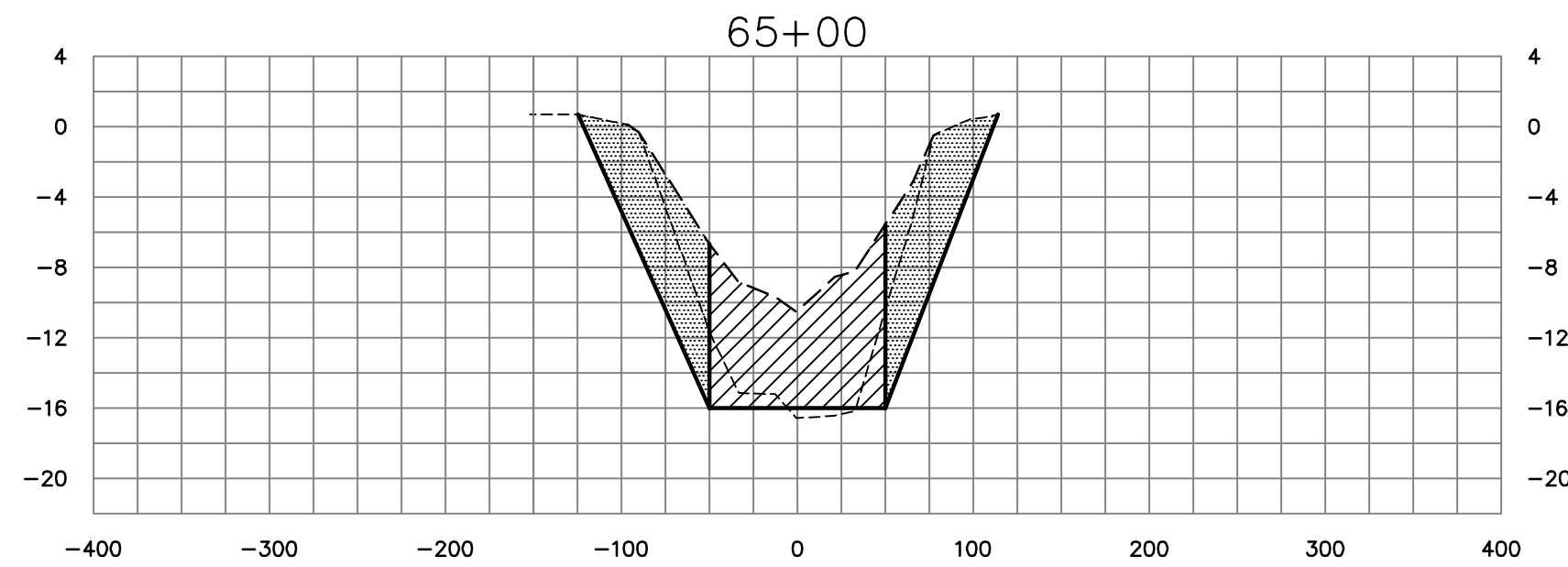
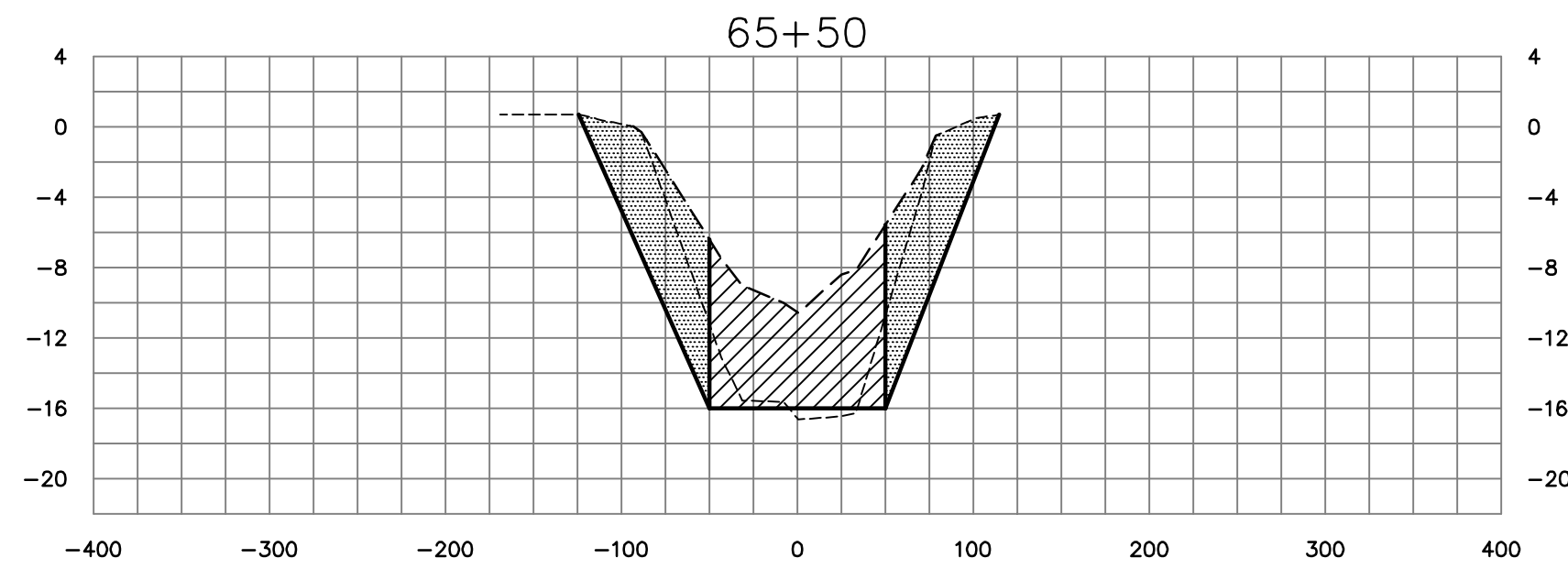
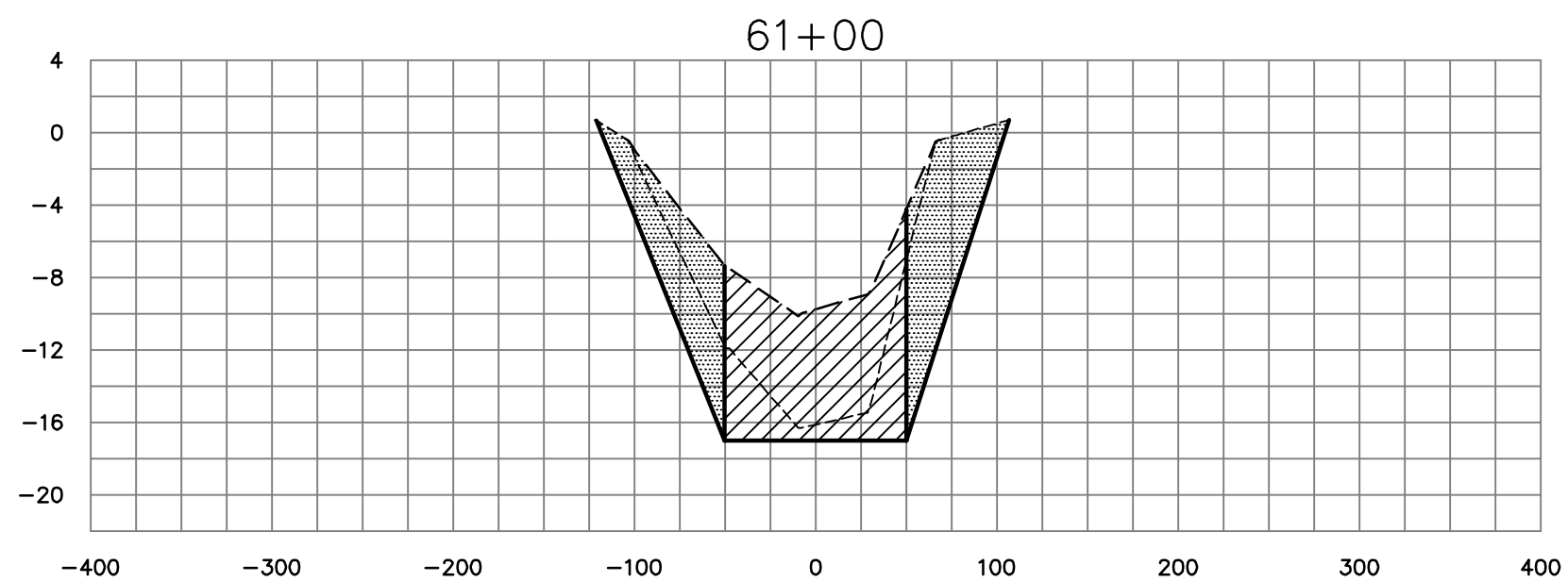
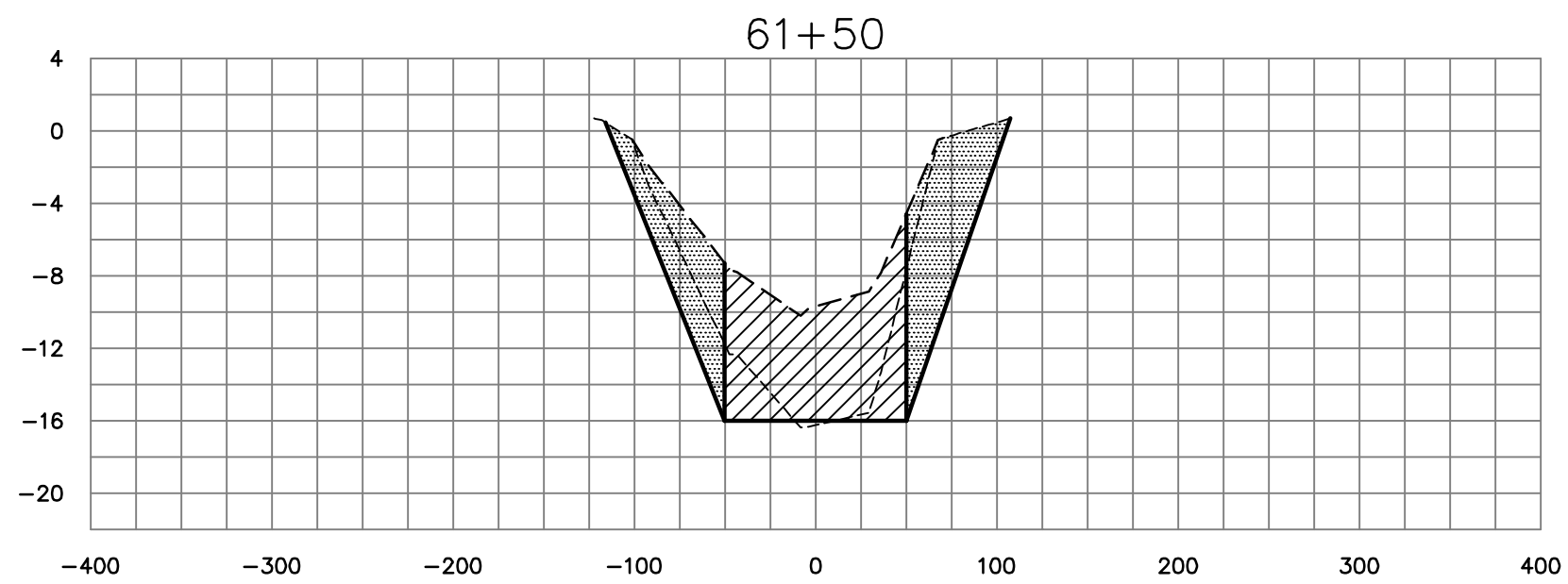
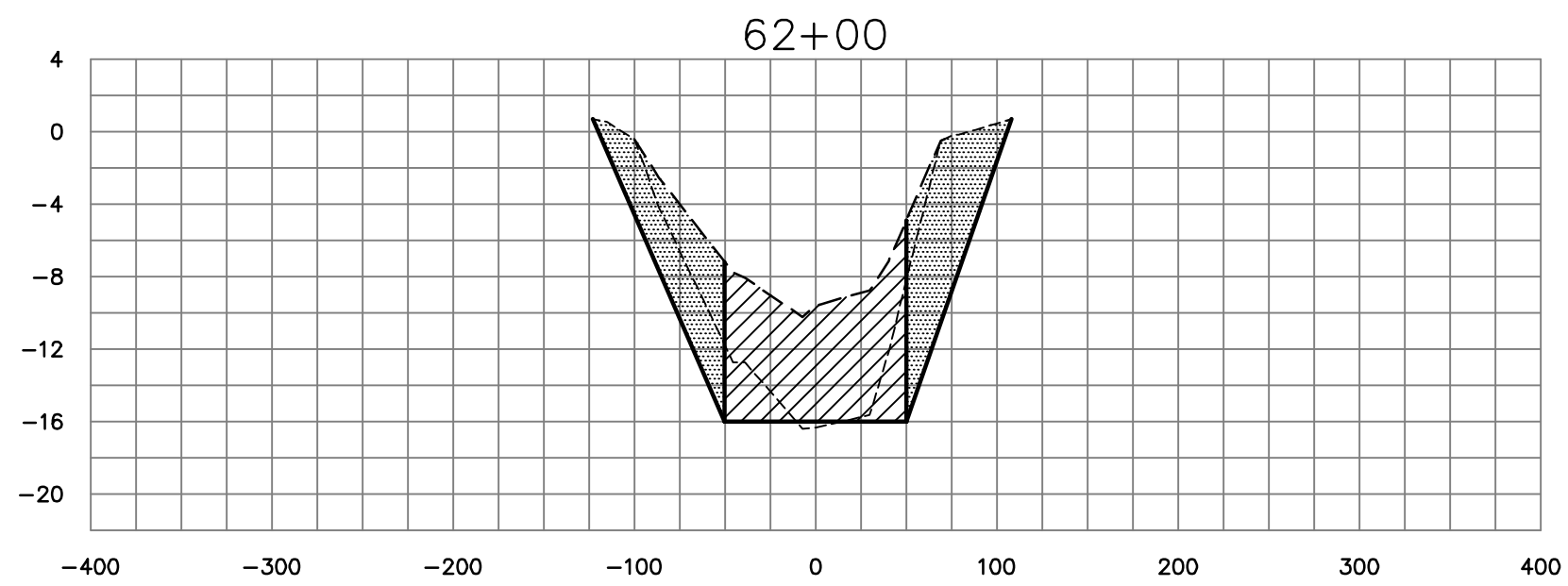
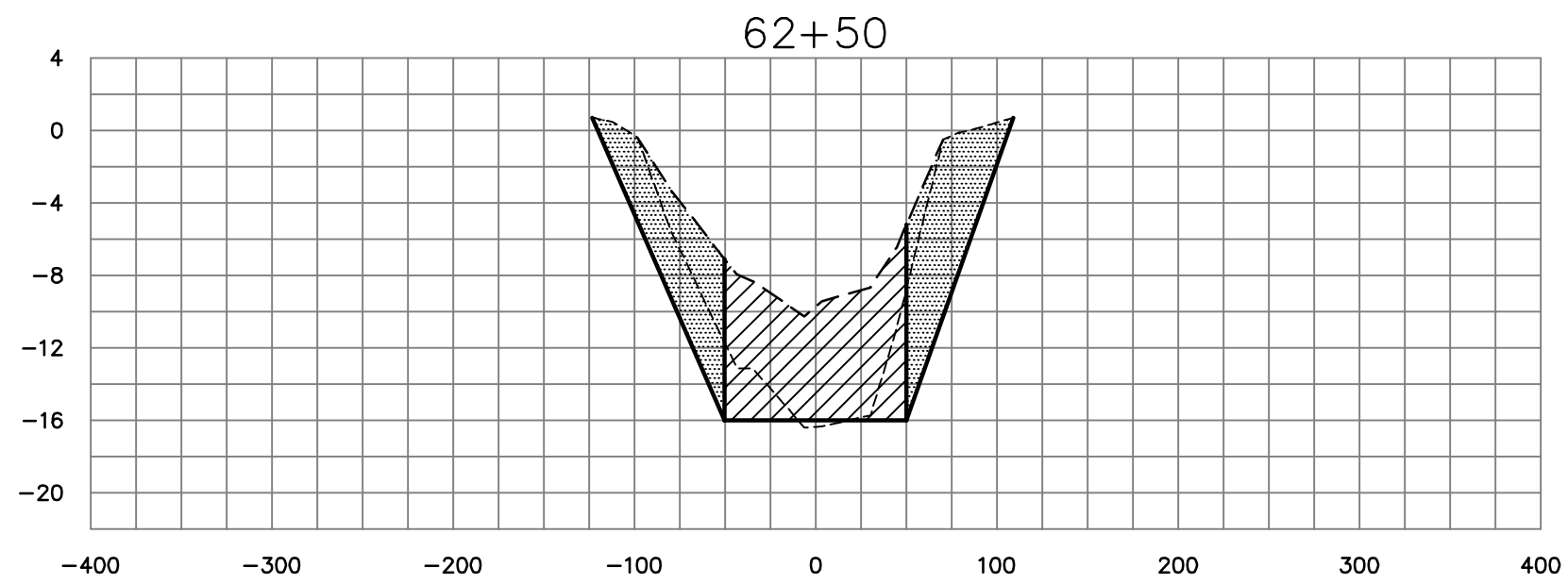
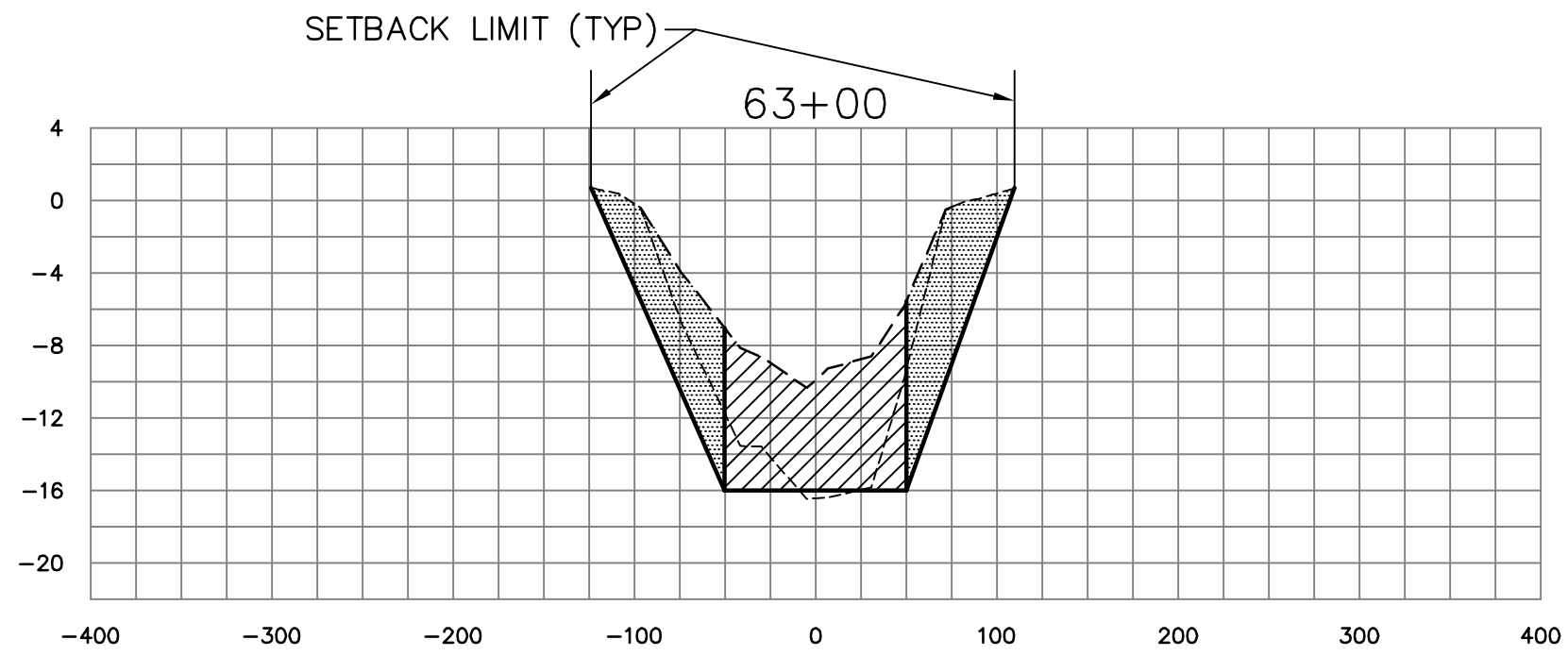
LEGEND

- APPROXIMATE PRE-MUCK SURFACE
- APPROXIMATE TOP OF MUCK SURFACE
- ////// DENOTES BOXCUT DREDGE AREA
- ||||| DENOTES ANTICIPATED MUCK SLOUGHING AREA



ST JOHNS RIVER WATER MANAGEMENT DISTRICT SEBASTIAN RIVER MUCK REMOVAL SEBASTIAN, FLORIDA		DREDGE CROSS SECTIONS SHEET 40 OF 51	
MOFFATT & NICHOL 1509 W. SWANN AVE. SUITE 225 TAMPA, FLORIDA 33606 (813)258-8818		CHK MP	TITLE
DSGN	DR	SUBMITTED BY	JOB NO. 4642-04
100% SUBMITTAL DRAWINGS NOT TO BE USED FOR CONSTRUCTION			
DATE JUNE 2005			
SHEET 56 OF 67			
XS40			

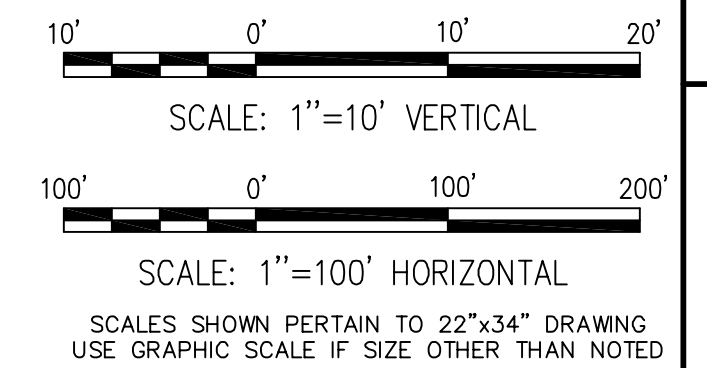
DWG. INFO: 46420X504.DWG, JUN 28 2005 - 04:33 PM, CSABING, (C) MOFFATT AND NICHOL



C-54 CANAL CROSS SECTIONS

LEGEND

- APPROXIMATE PRE-MUCK SURFACE
- APPROXIMATE TOP OF MUCK SURFACE
- ////// DENOTES BOXCUT DREDGE AREA
- ||||| DENOTES ANTICIPATED MUCK SLOUGHING AREA



ST JOHNS RIVER WATER MANAGEMENT DISTRICT
SEBASTIAN RIVER MUCK REMOVAL
SEBASTIAN, FLORIDA



MOFFATT & NICHOL
1509 W. SWANN AVE. SUITE 225
TAMPA, FLORIDA 33606
(813)258-8818

DR. CHK. MP.
SUBMITTED BY. TITLE
JOB NO. 4642-04

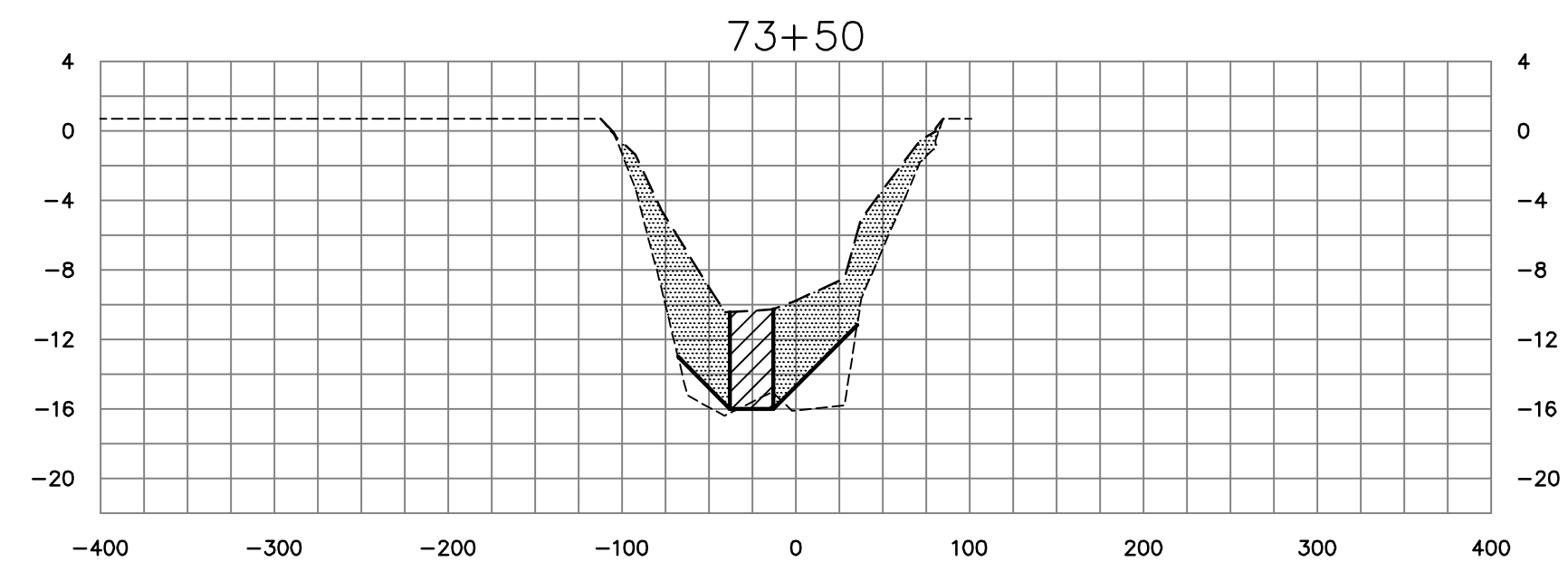
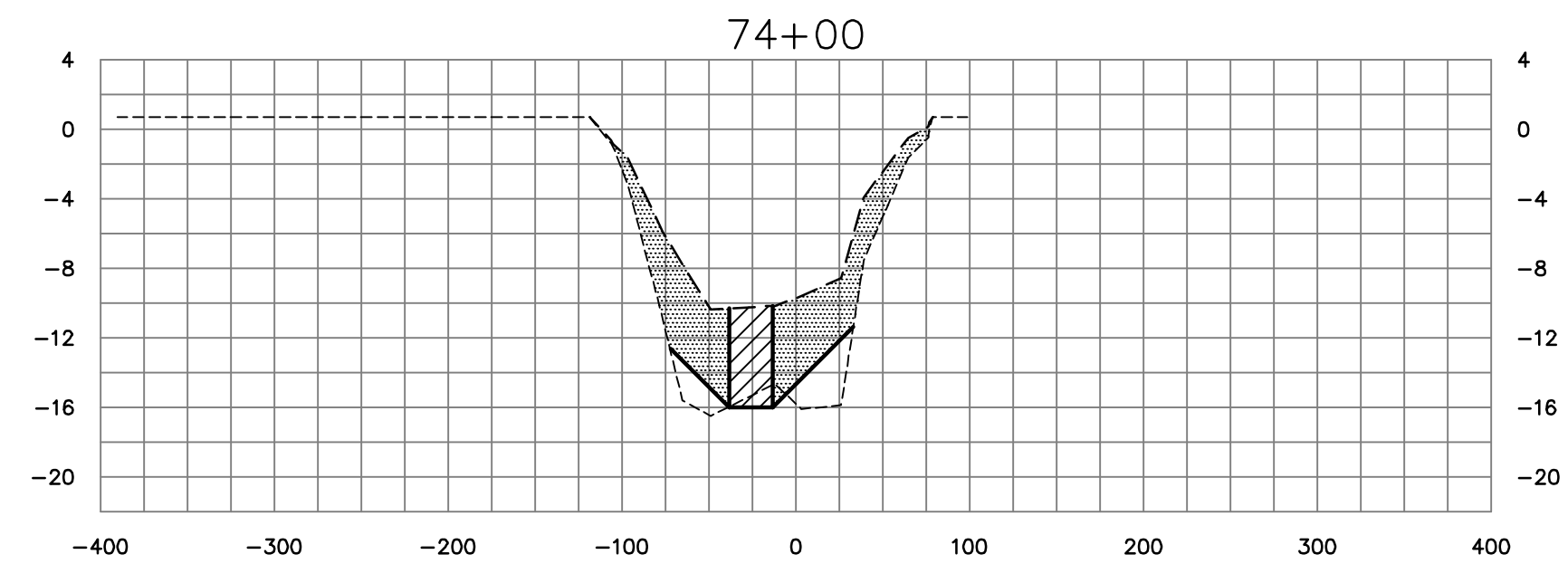
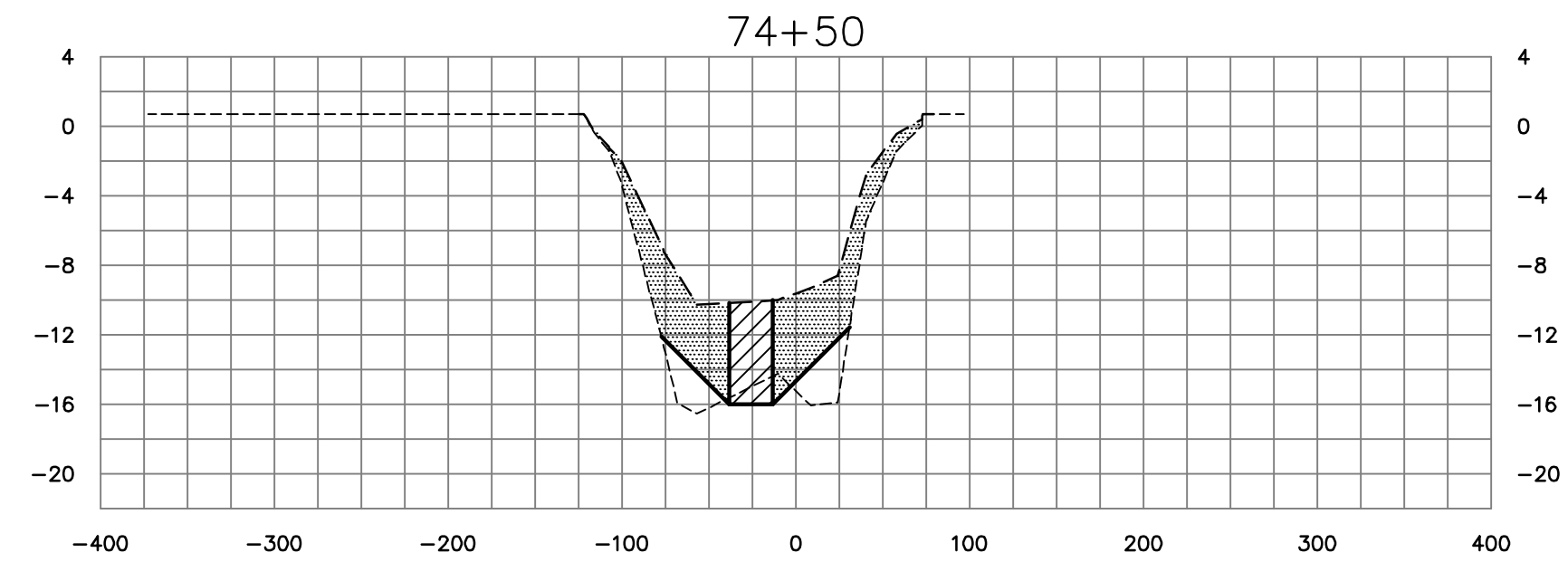
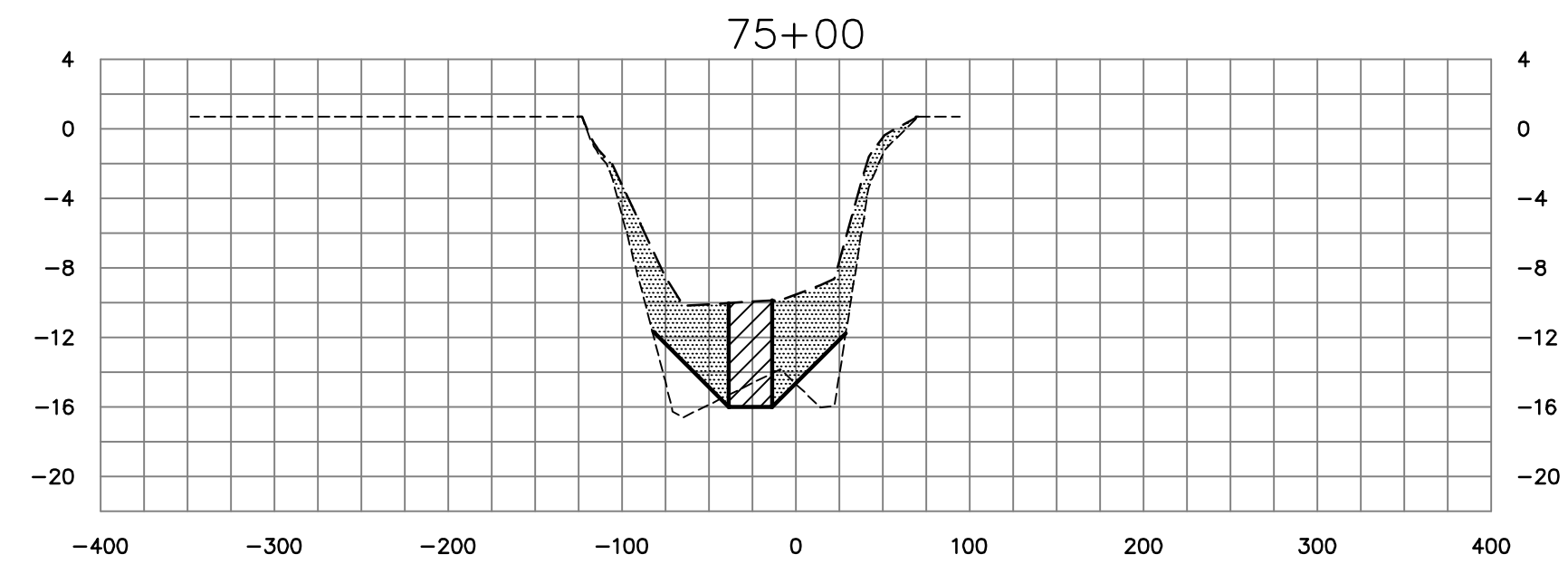
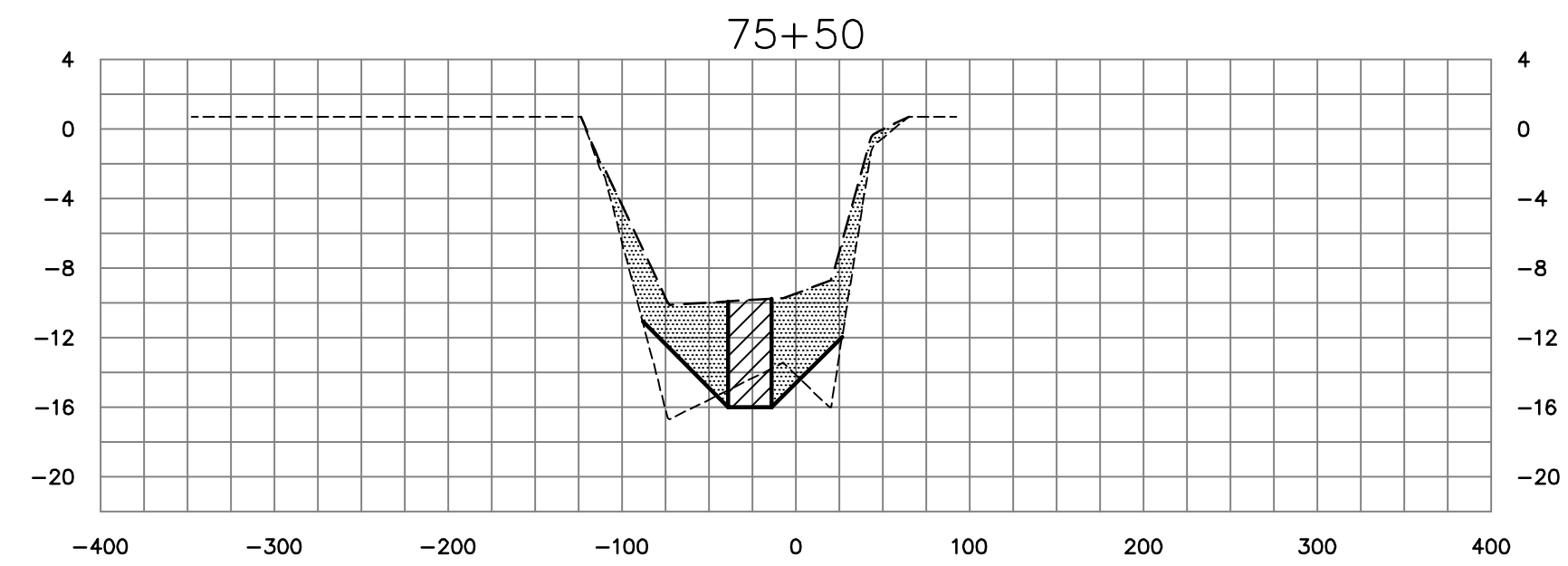
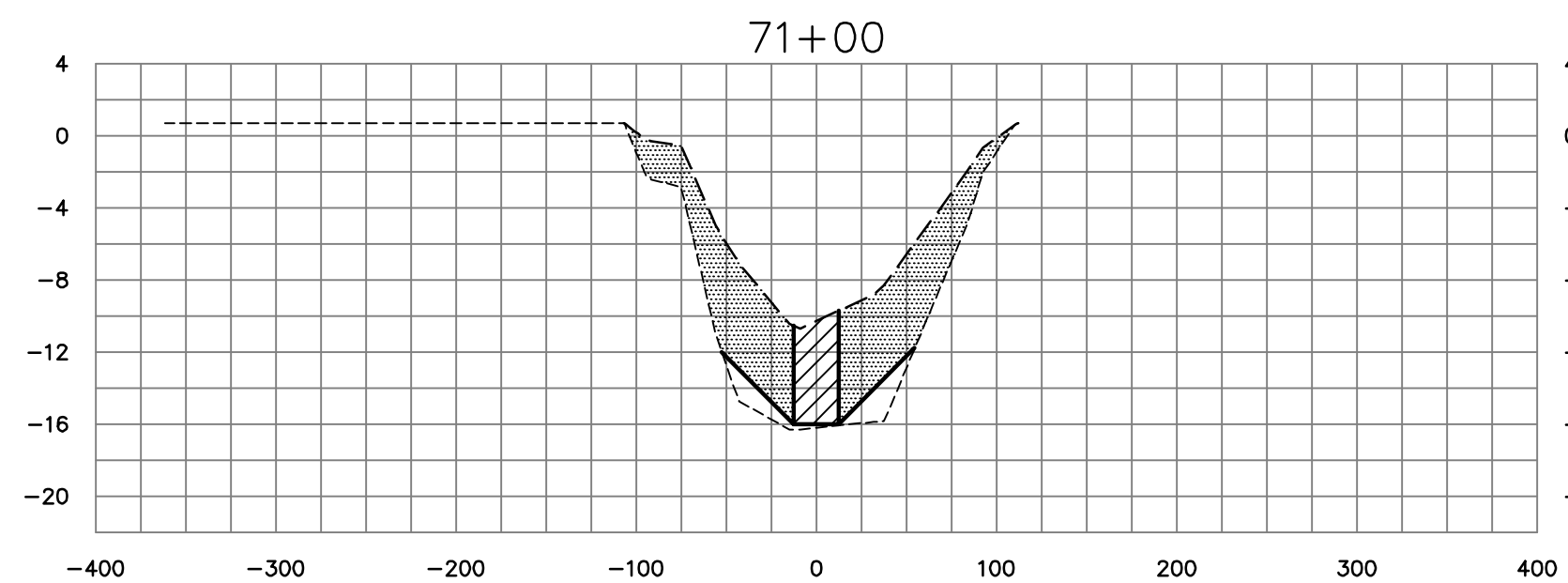
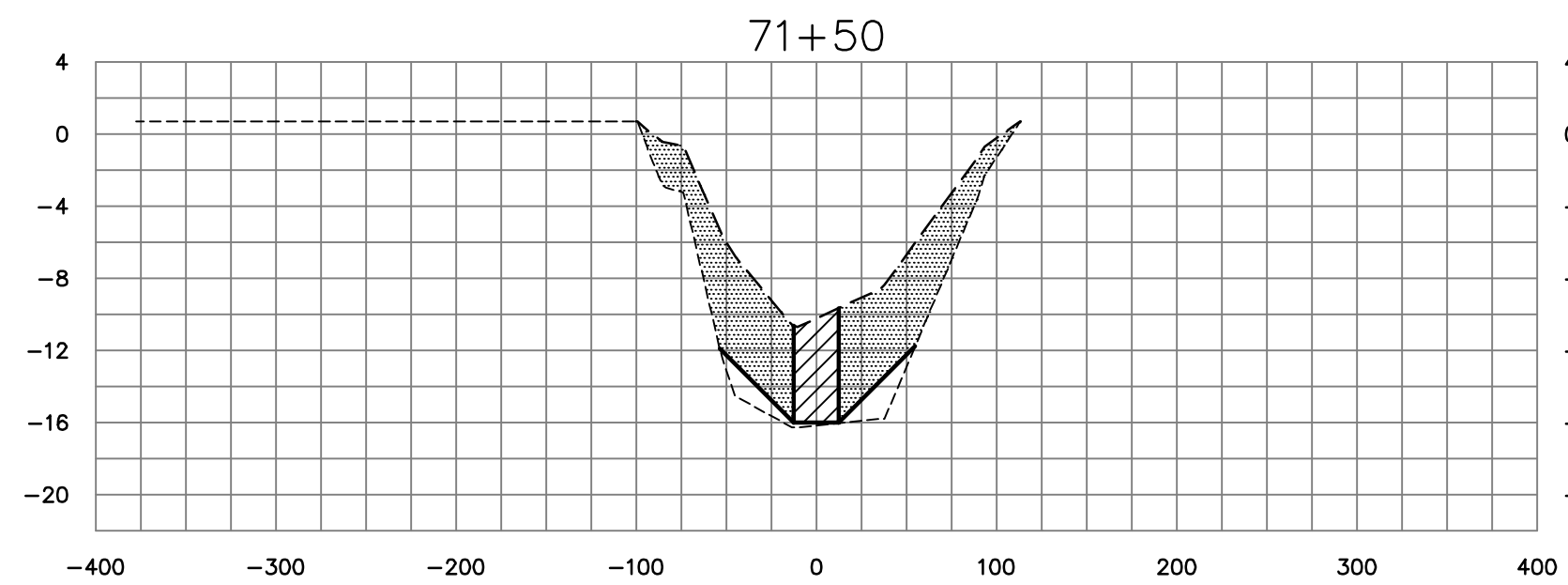
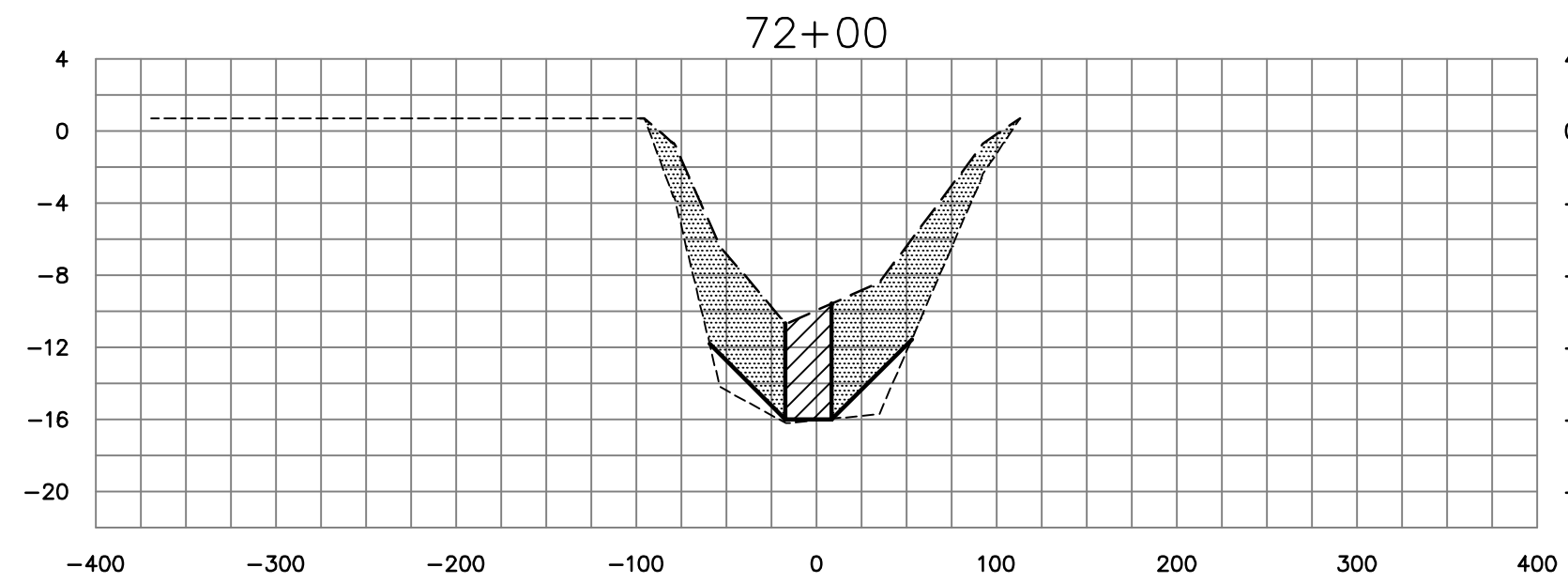
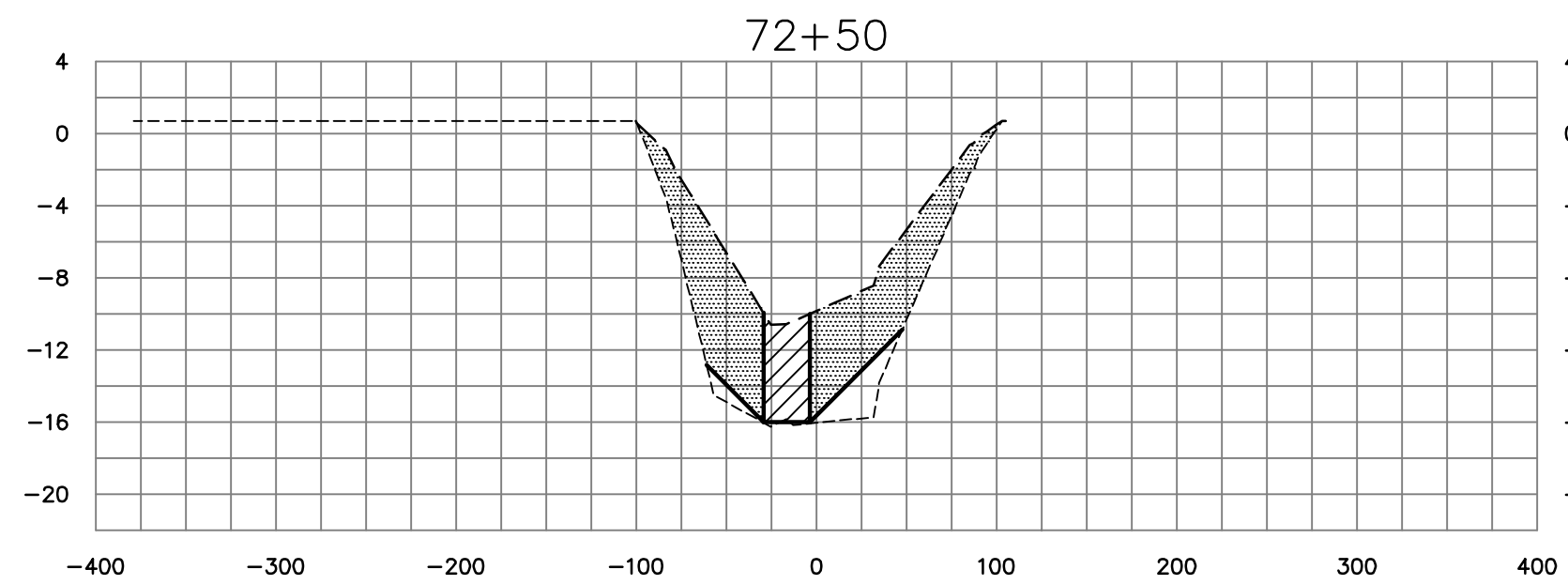
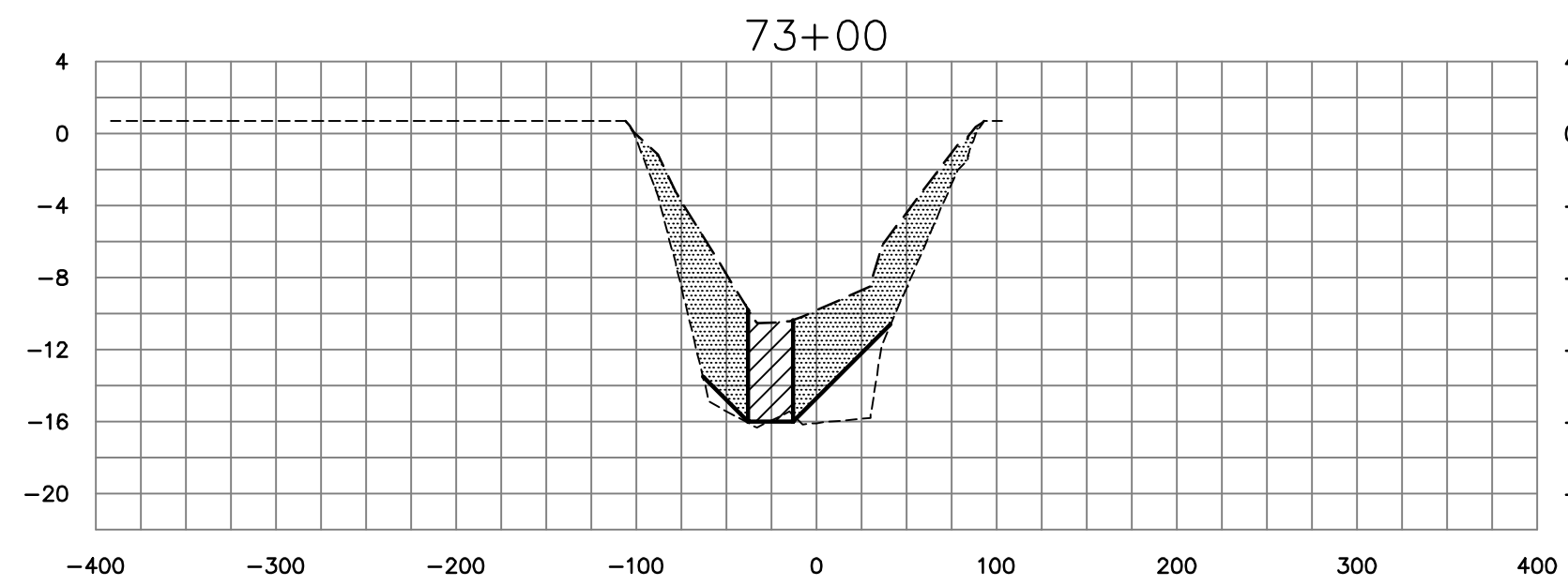
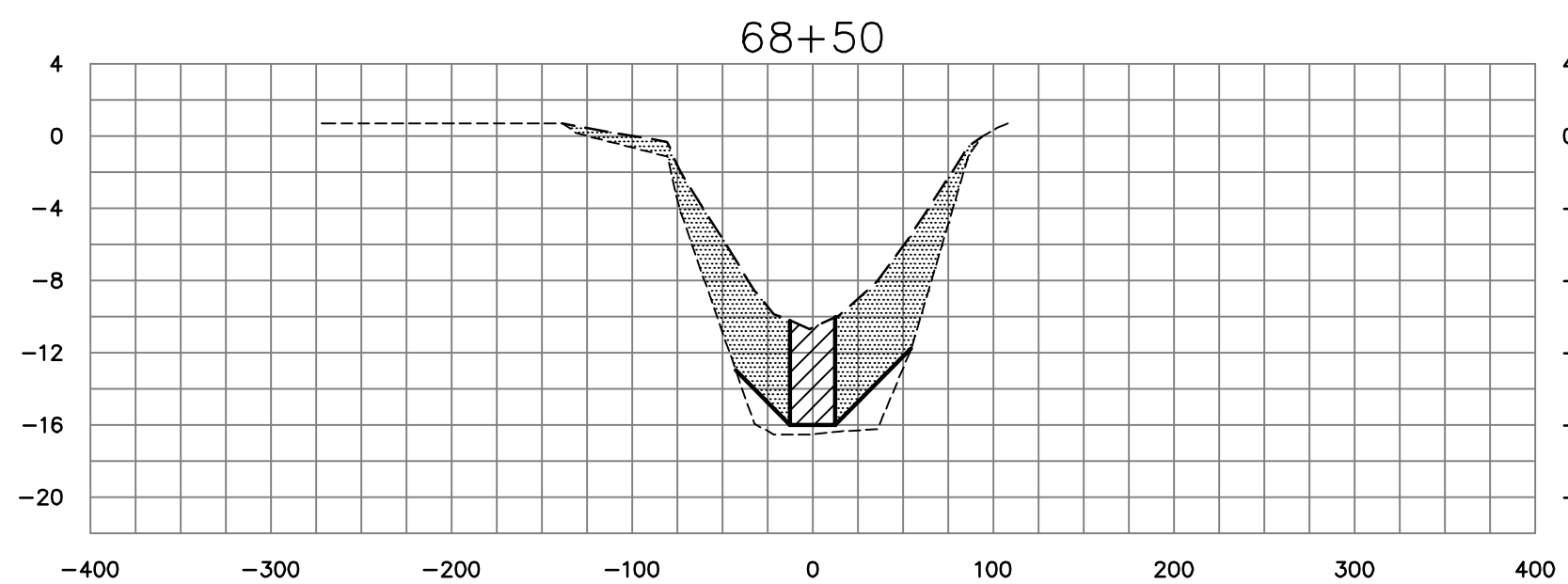
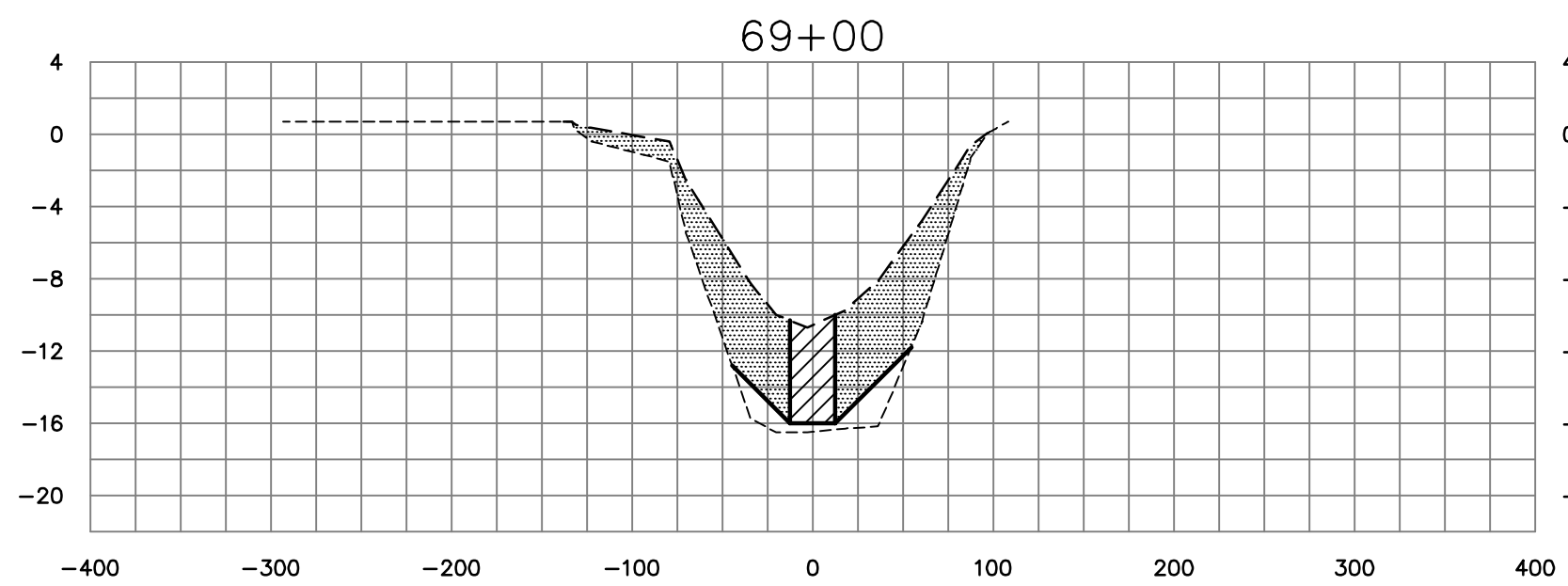
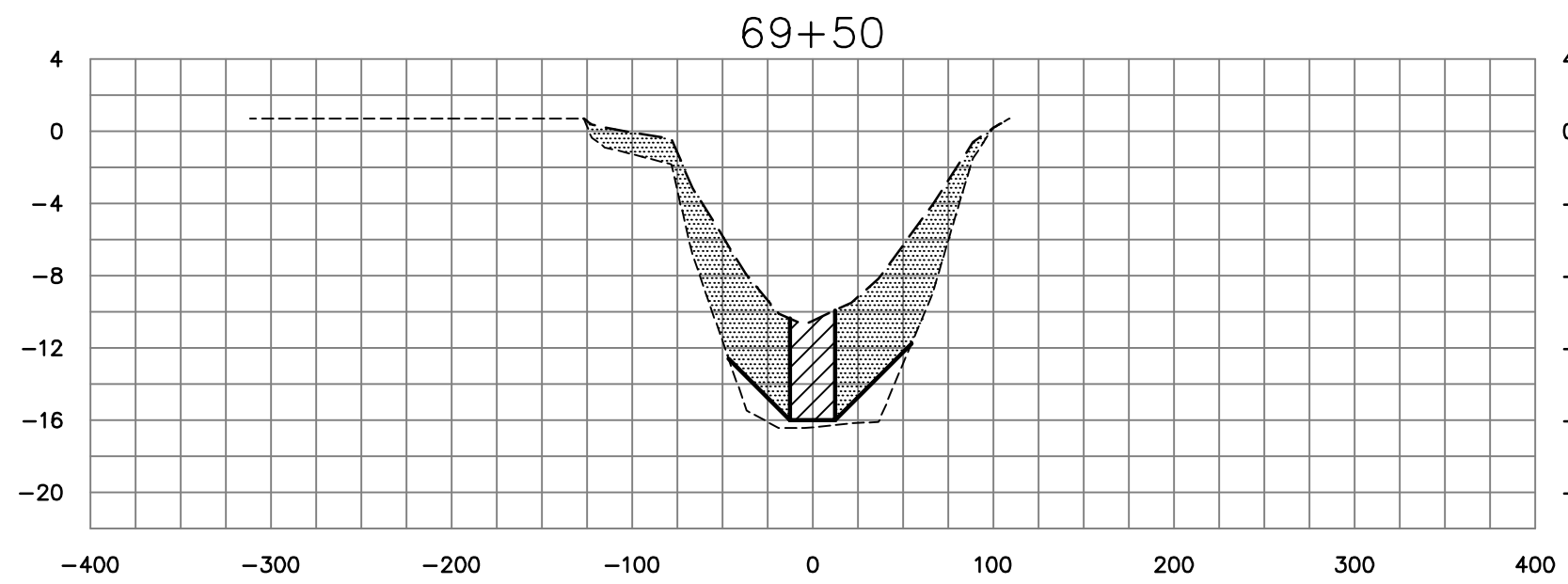
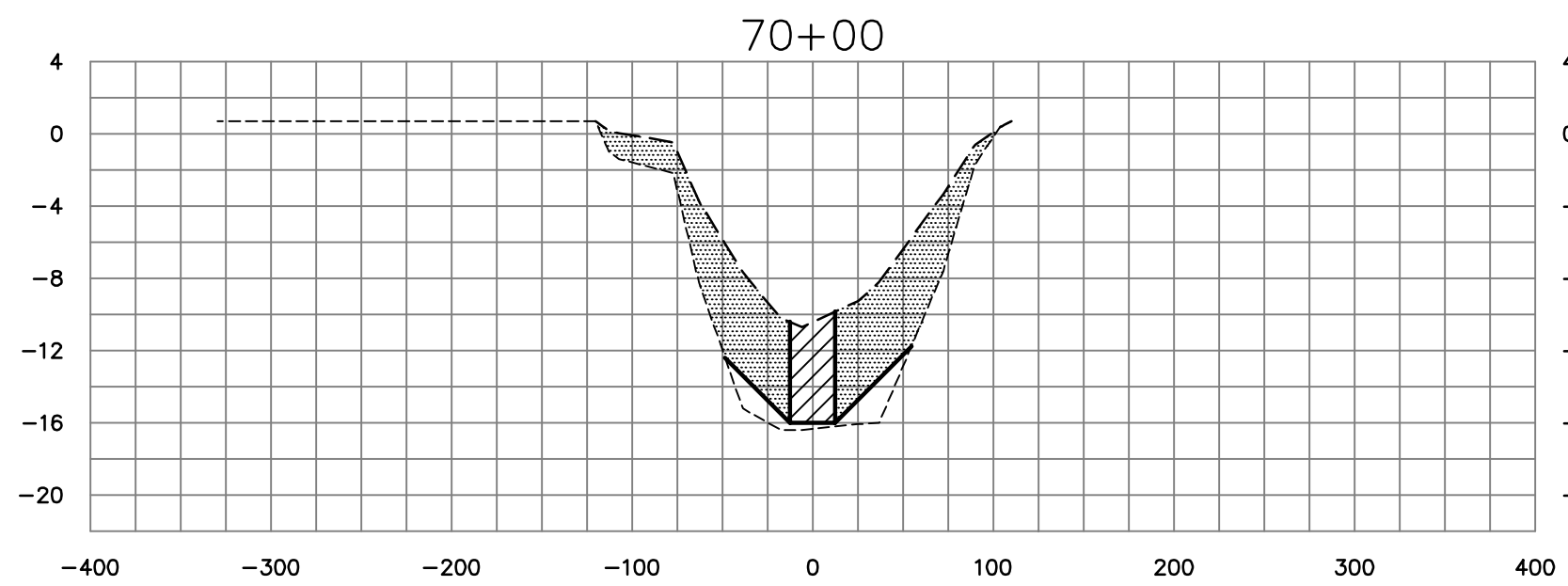
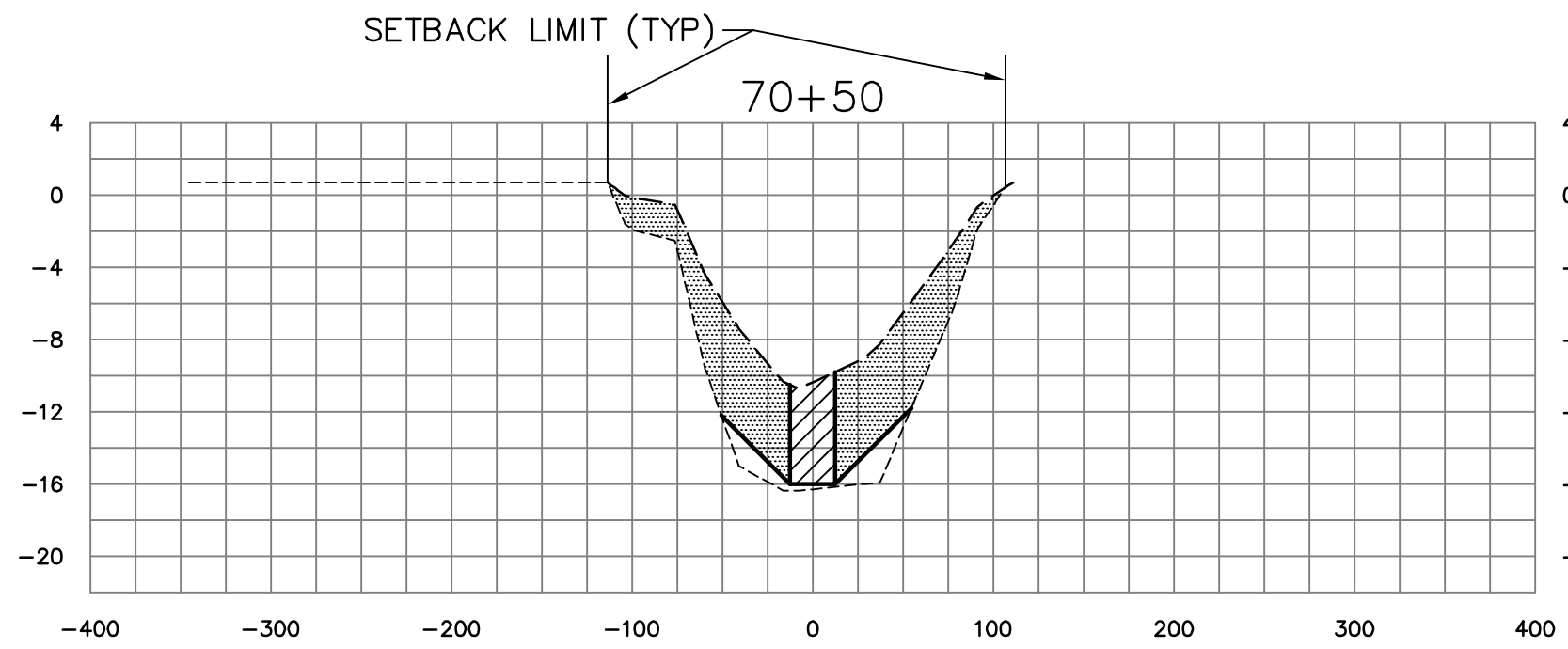
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DATE JUNE 2005
SHEET 57 OF 67



XS41

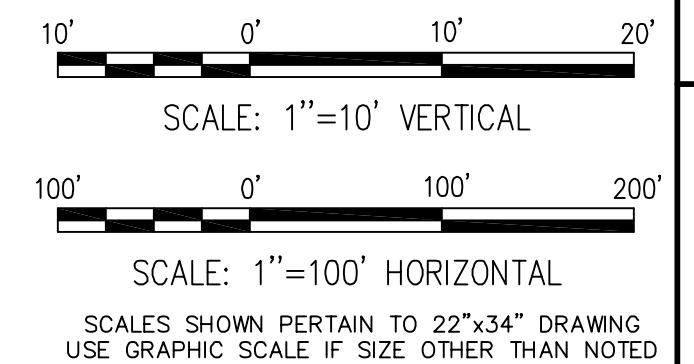
DWG. INFO: 46420X5042.DWG, JUN 23 2005 - 09:04 AM, CSABINO, (C) MOFFATT AND NICHOL



C-54 CANAL CROSS SECTIONS

LEGEND

- APPROXIMATE PRE-MUCK SURFACE
- APPROXIMATE TOP OF MUCK SURFACE
- ▨ DENOTES BOXCUT DREDGE AREA
- ▨ DENOTES ANTICIPATED MUCK SLOUGHING AREA



ST JOHNS RIVER WATER MANAGEMENT DISTRICT
SEBASTIAN RIVER MUCK REMOVAL
SEBASTIAN, FLORIDA

DREDGE CROSS SECTIONS
SHEET 42 OF 51

MOFFATT & NICHOL
1509 W. SWANN AVE. SUITE 225
TAMPA, FLORIDA 33606
(813)258-8818

DR. SUBMITTED BY. TITLE. MP.

JOB NO. 4642-04

**100%
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DRAWINGS**

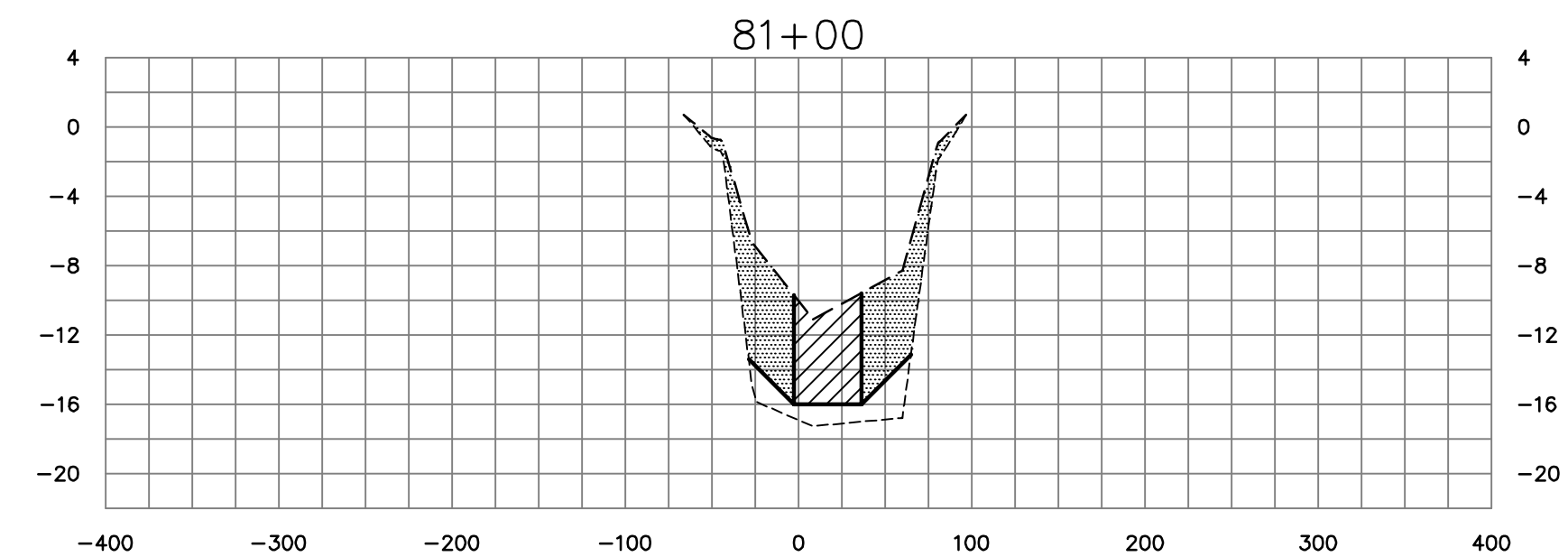
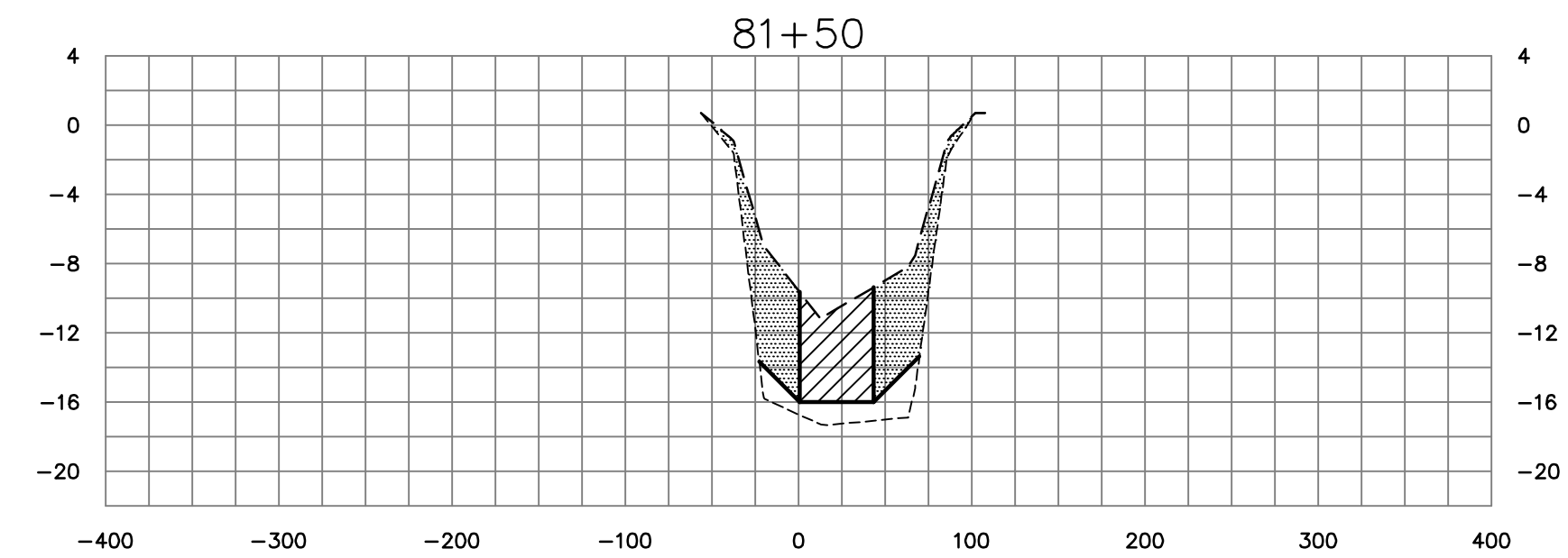
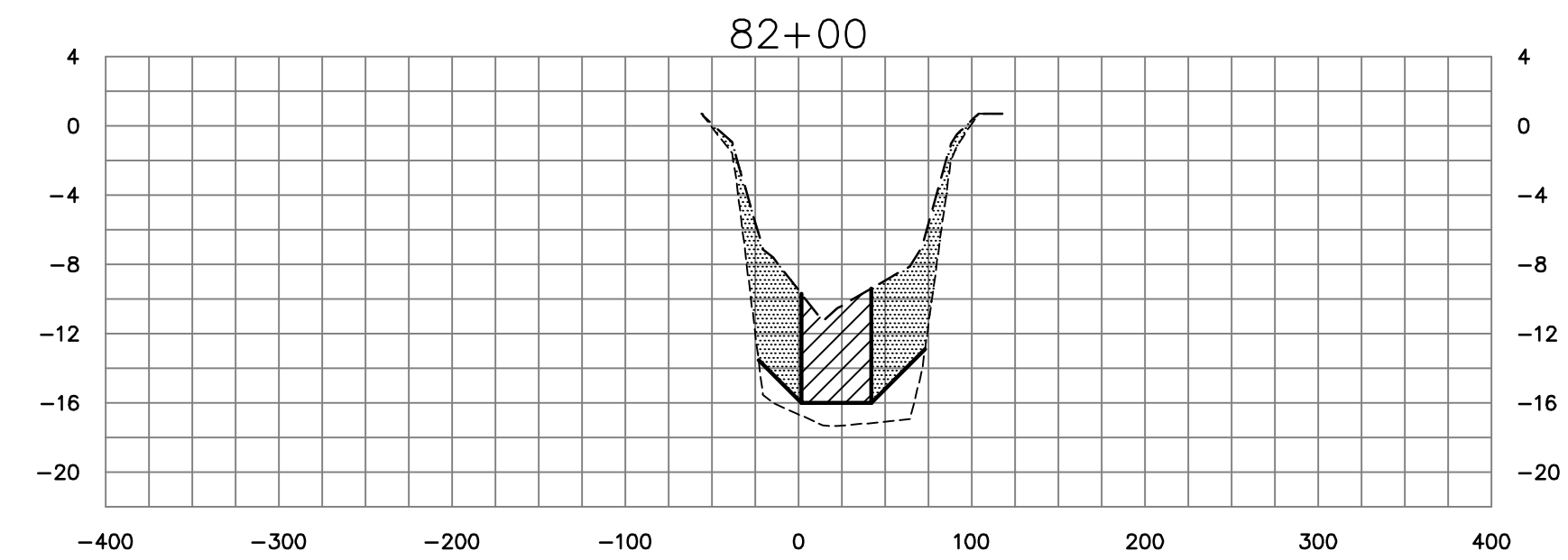
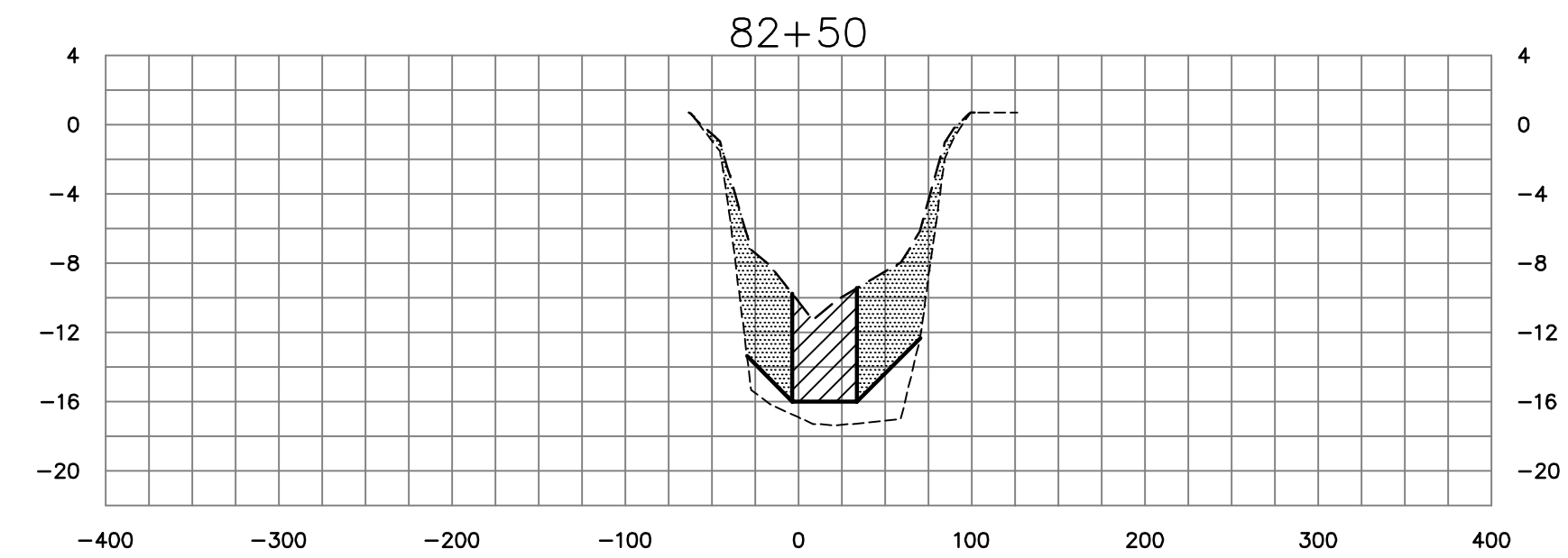
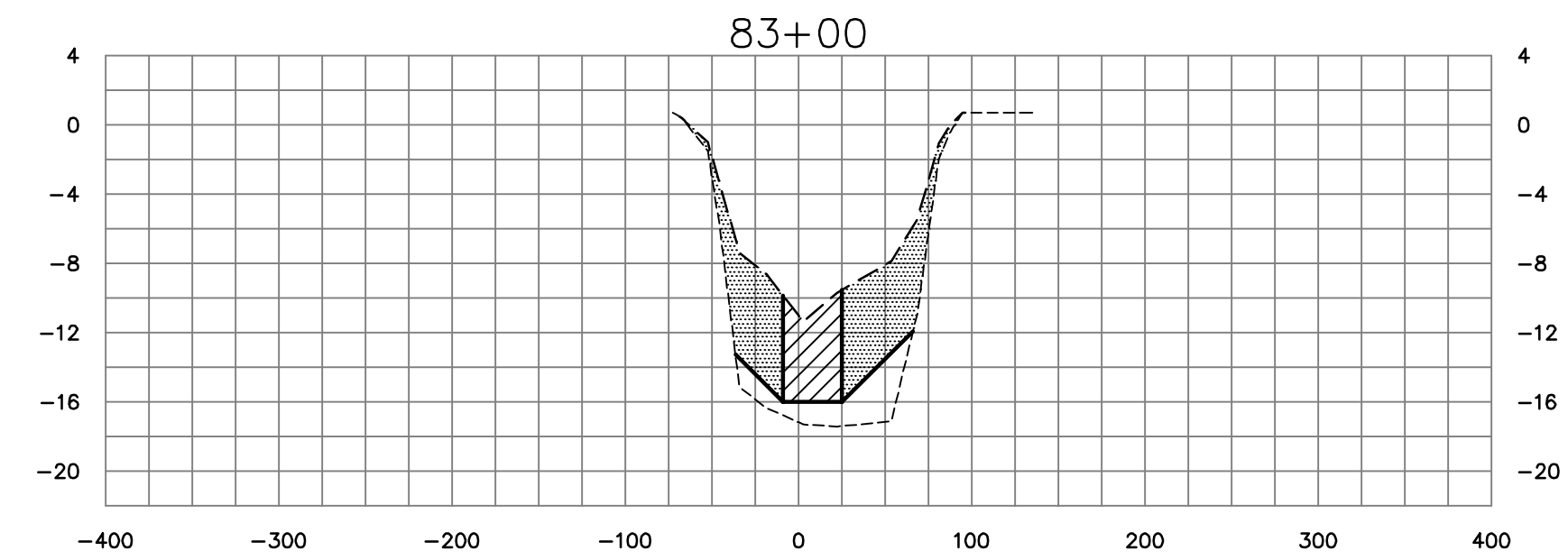
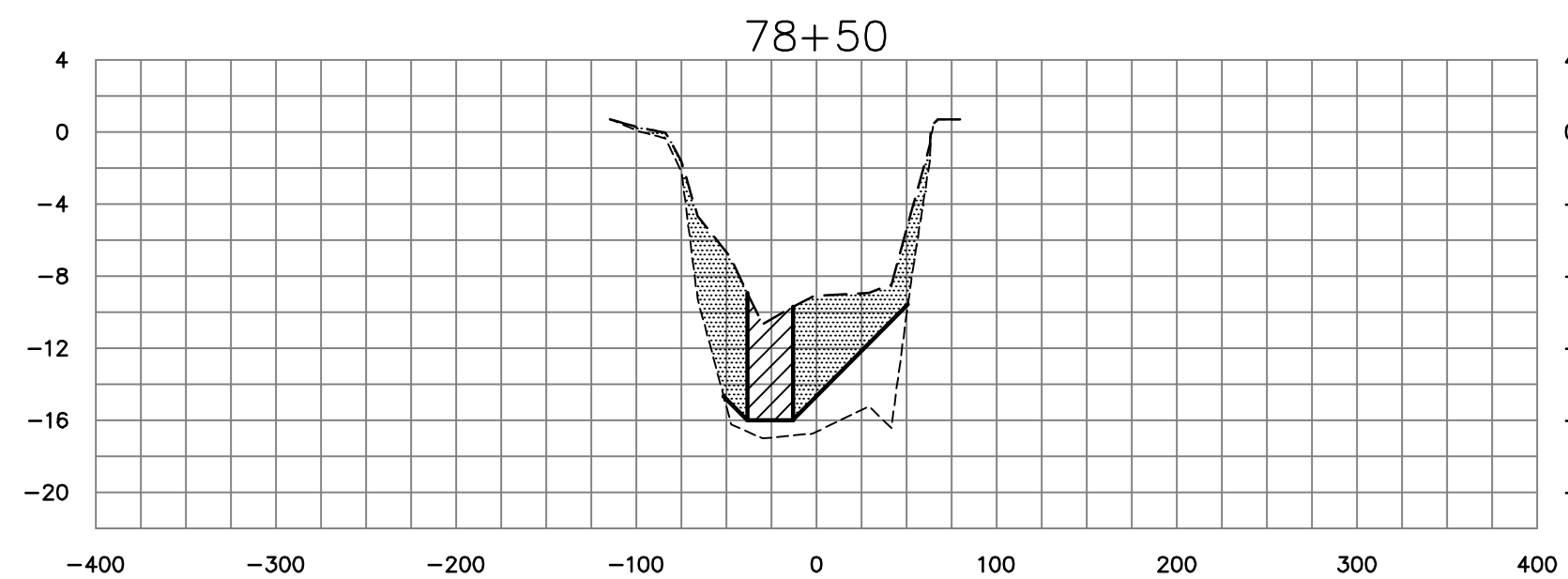
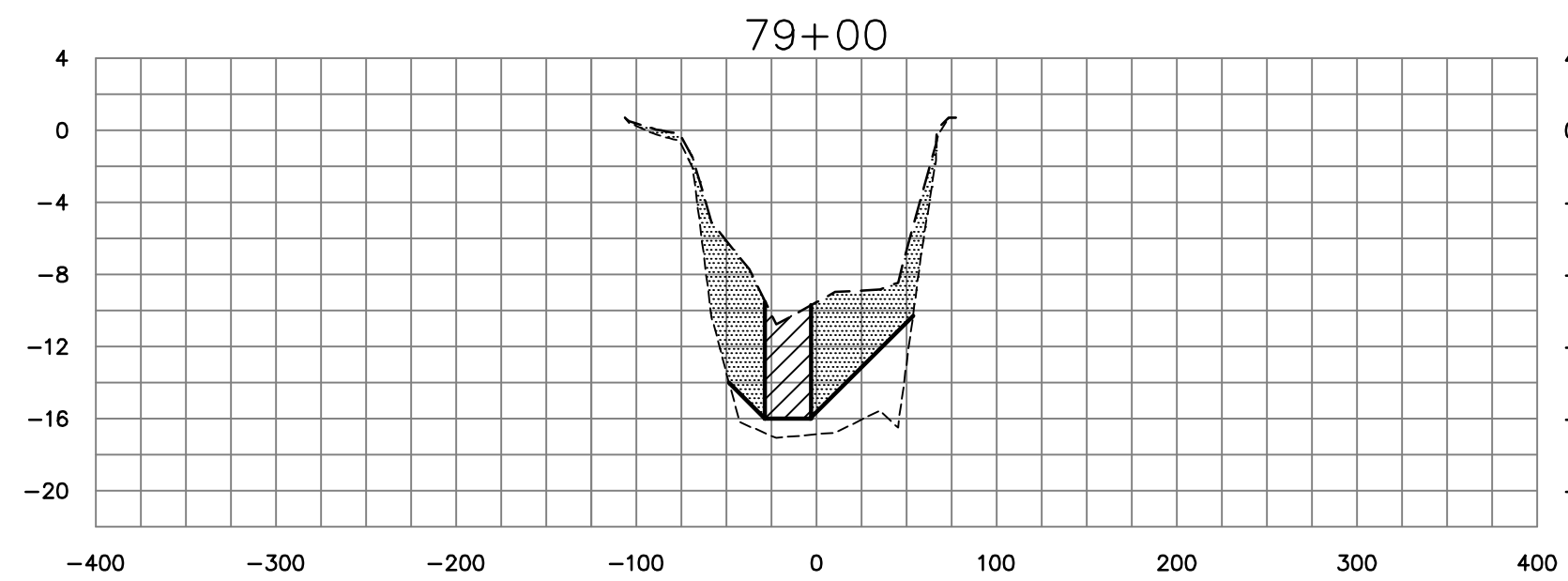
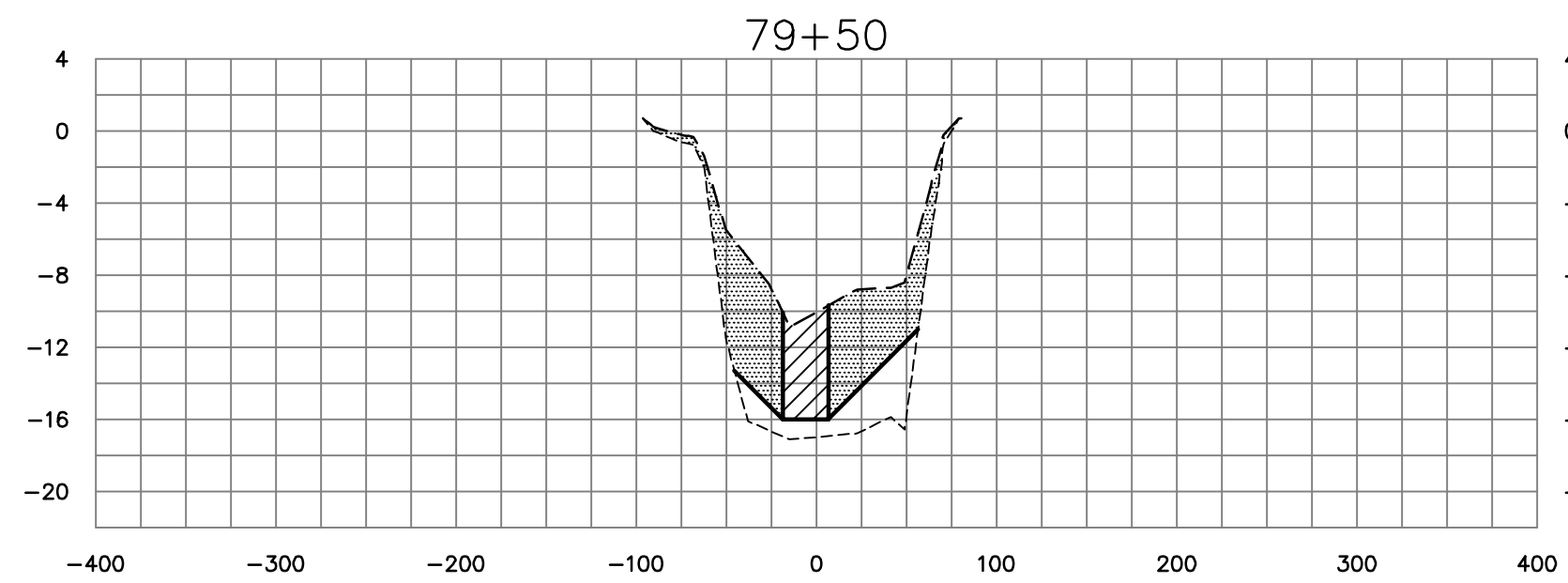
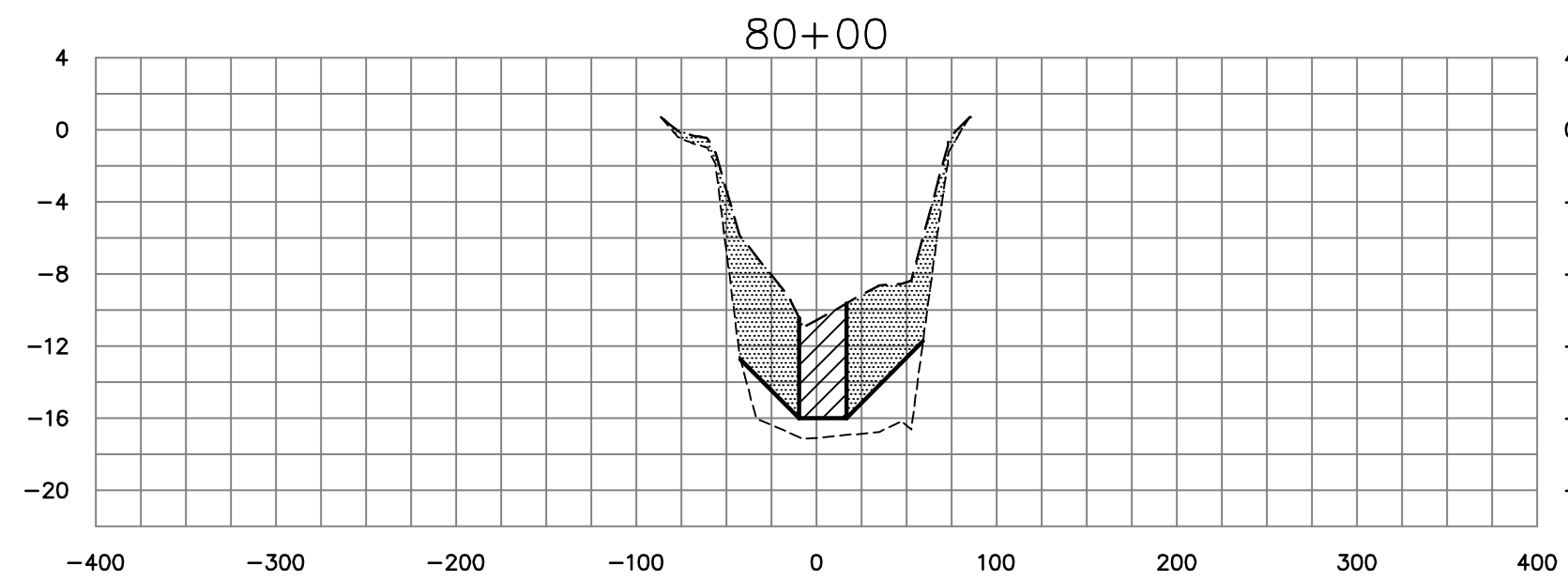
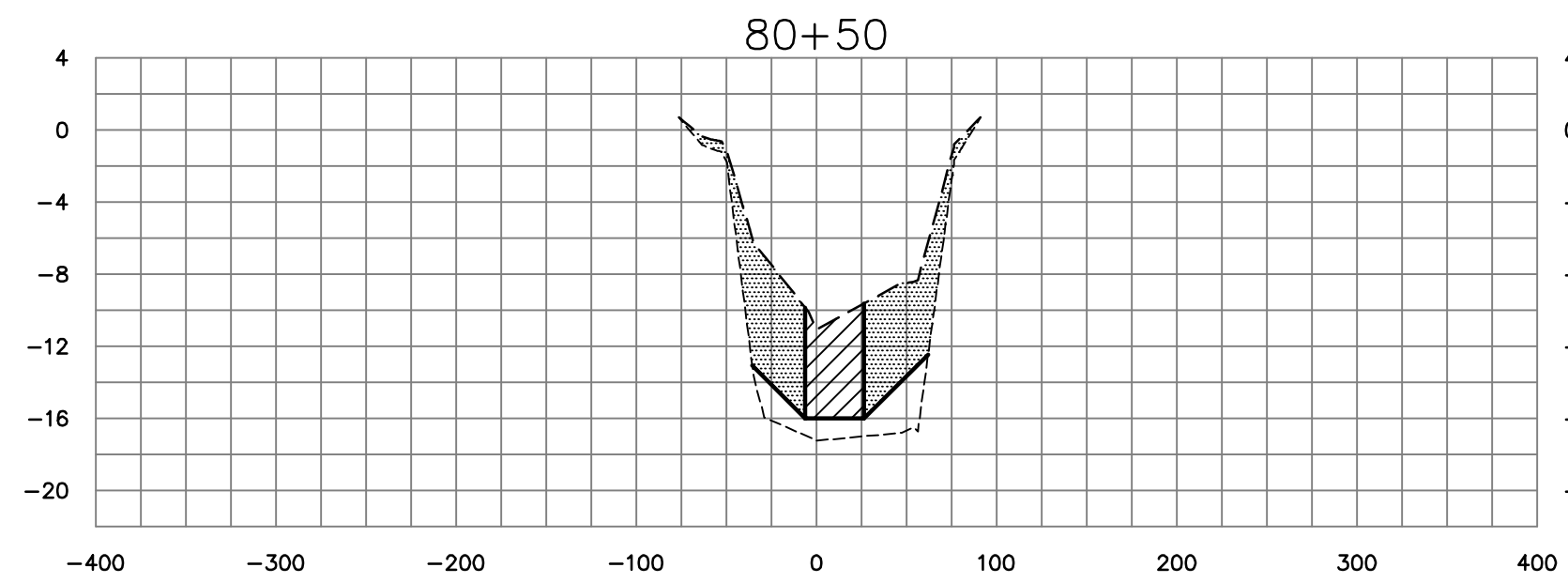
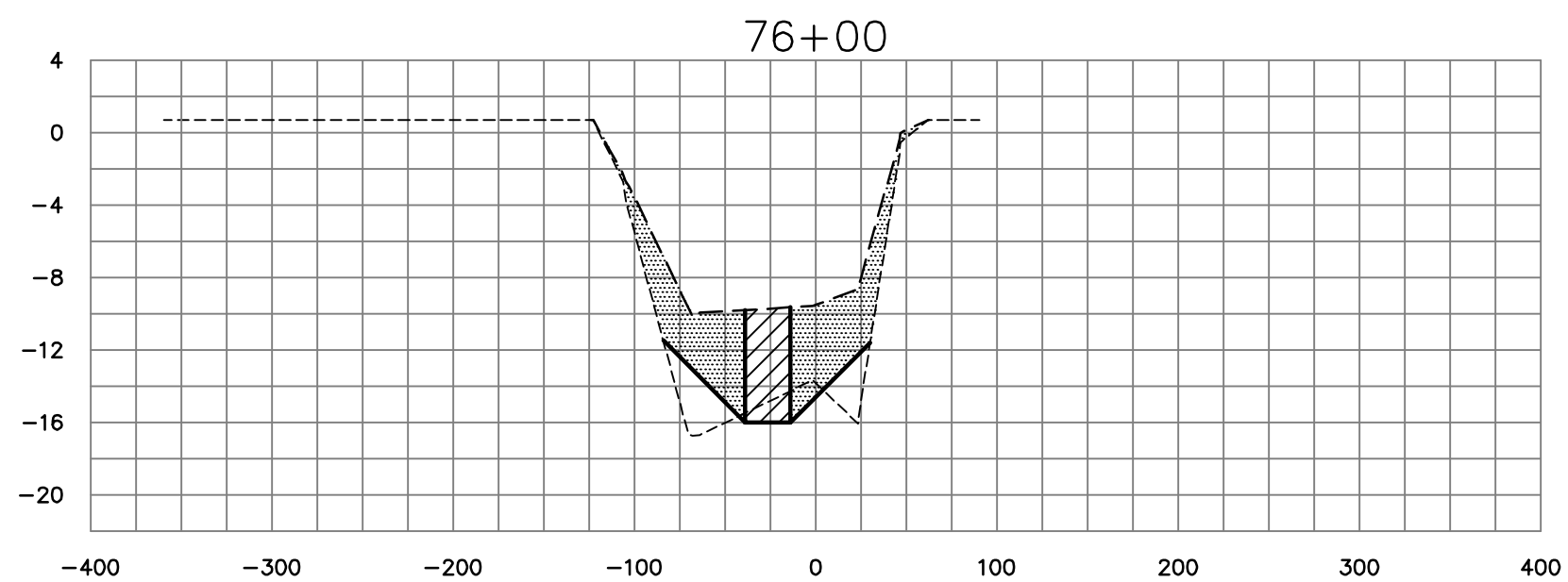
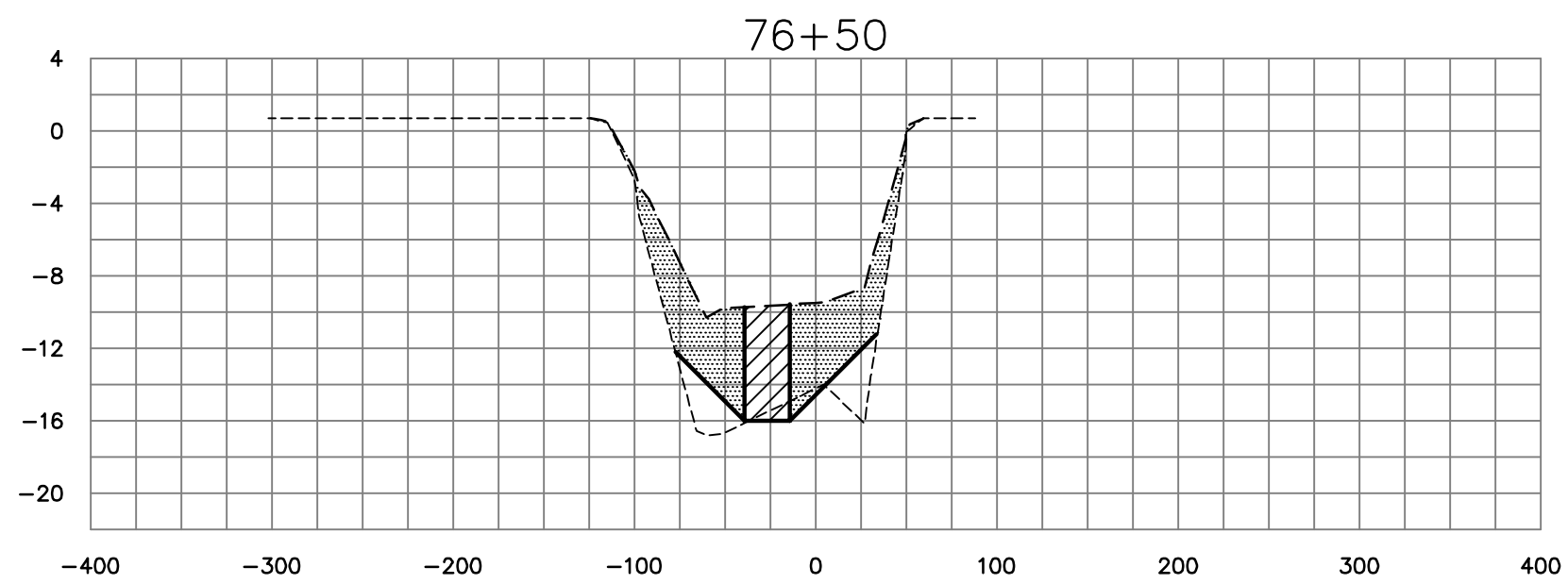
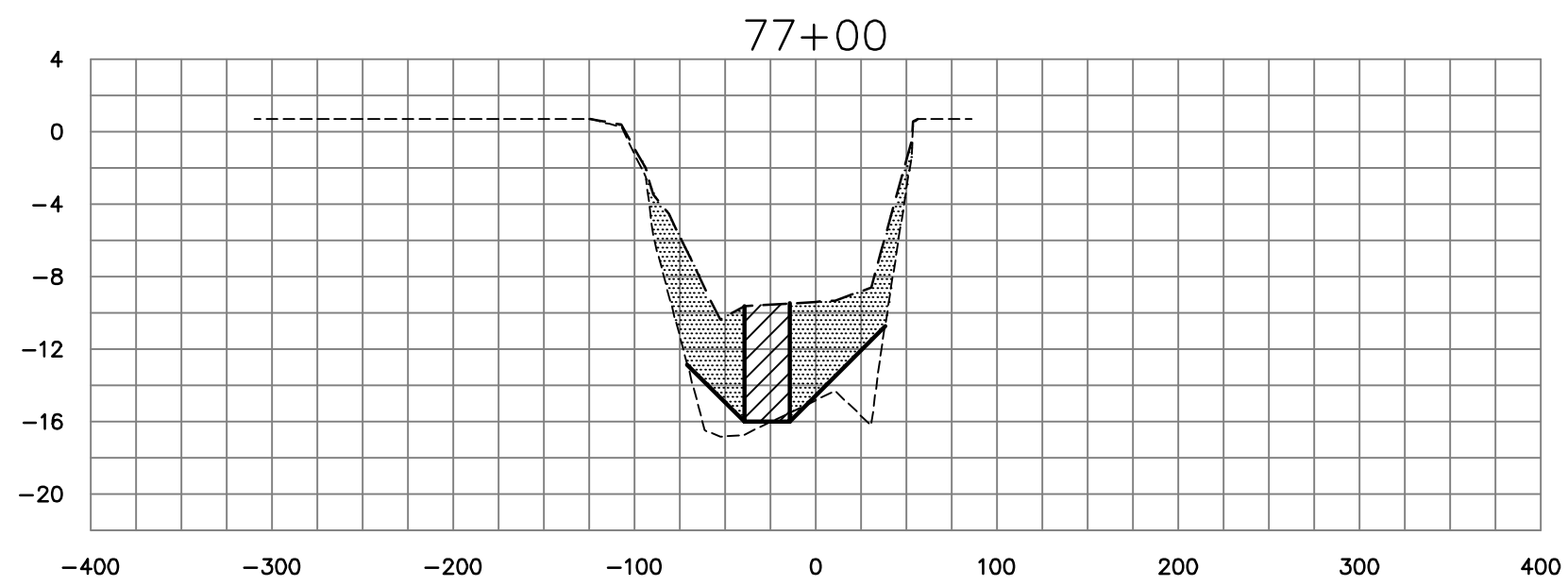
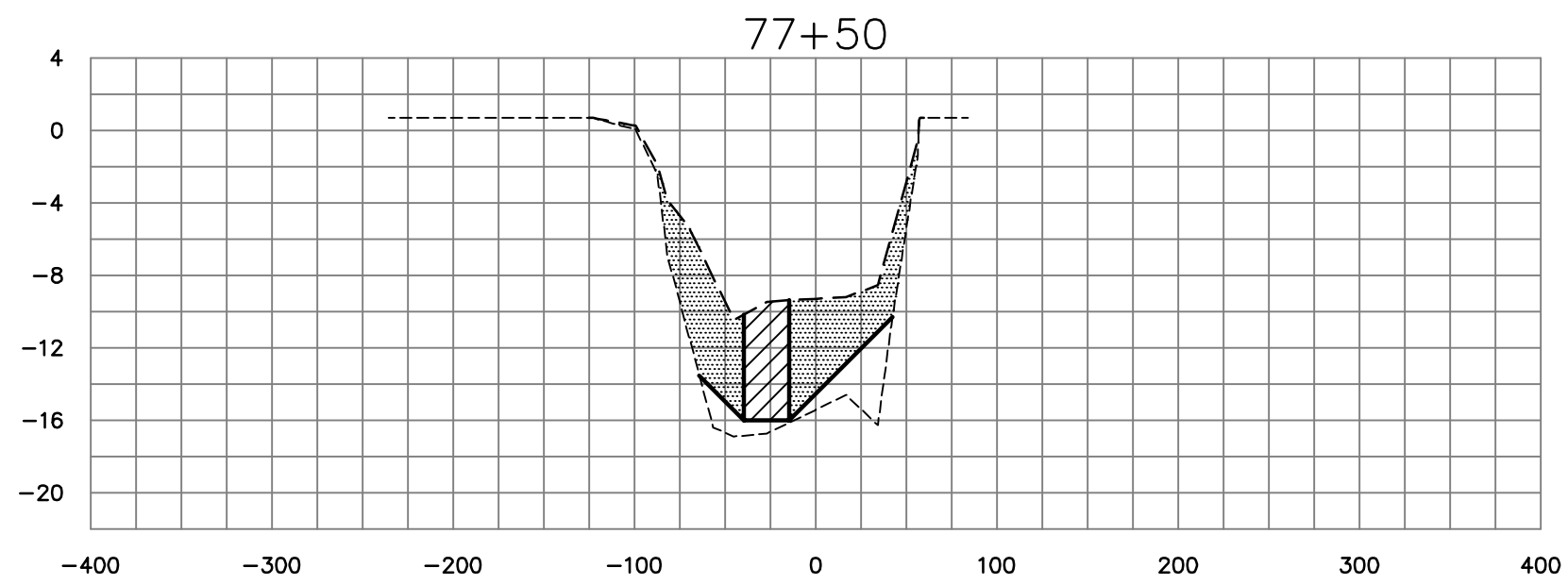
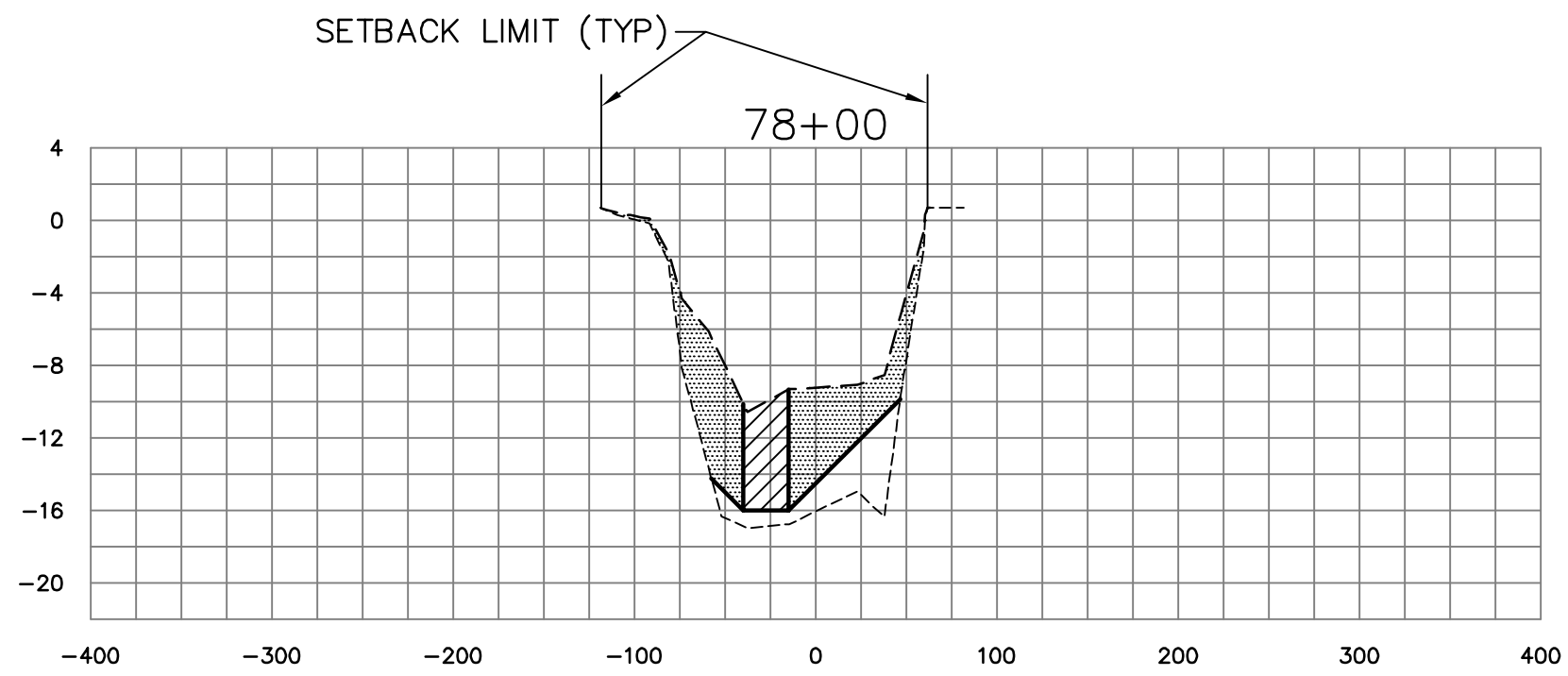
**NOT TO BE USED
FOR CONSTRUCTION**

DATE JUNE 2005

SHEET 58 OF 67

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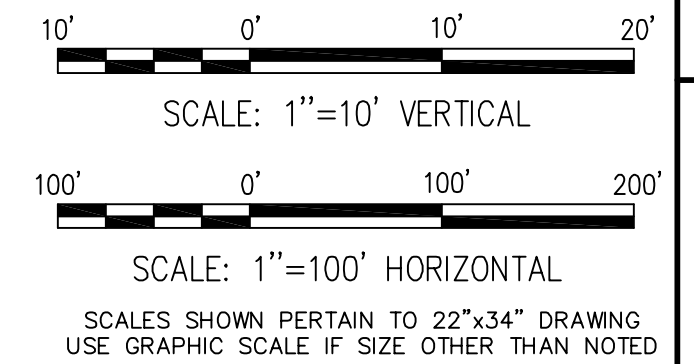
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C-54 CANAL CROSS SECTIONS

LEGEND

- APPROXIMATE PRE-MUCK SURFACE
- APPROXIMATE TOP OF MUCK SURFACE
- ▨ DENOTES BOXCUT DREDGE AREA
- ▨ DENOTES ANTICIPATED MUCK SLOUGHING AREA



ST JOHNS RIVER WATER MANAGEMENT DISTRICT
SEBASTIAN RIVER MUCK REMOVAL
SEBASTIAN, FLORIDA



DREDGE CROSS SECTIONS
SHEET 43 OF 51

MOFFATT & NICHOL
1509 W. SWANN AVE. SUITE 225
TAMPA, FLORIDA 33606
(813)258-8818

DSGN	DR	CHK	MP
JOB NO.	4642-04	SUBMITTED BY	TITLE

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DRAWINGS**
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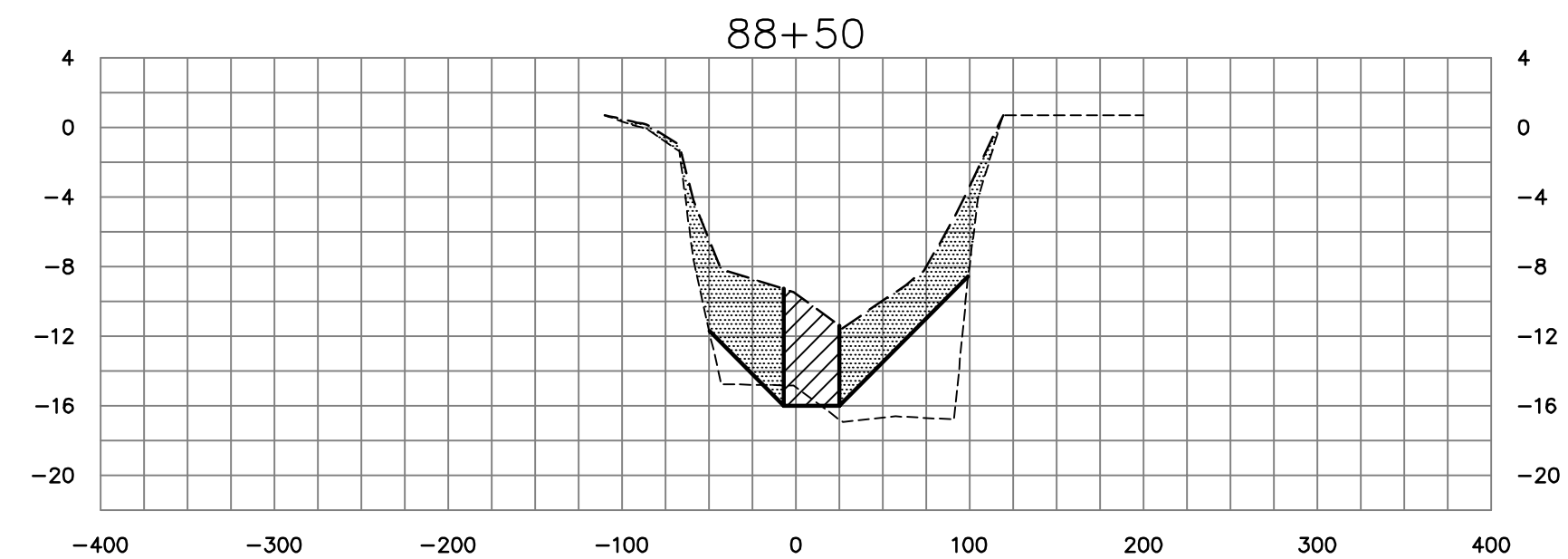
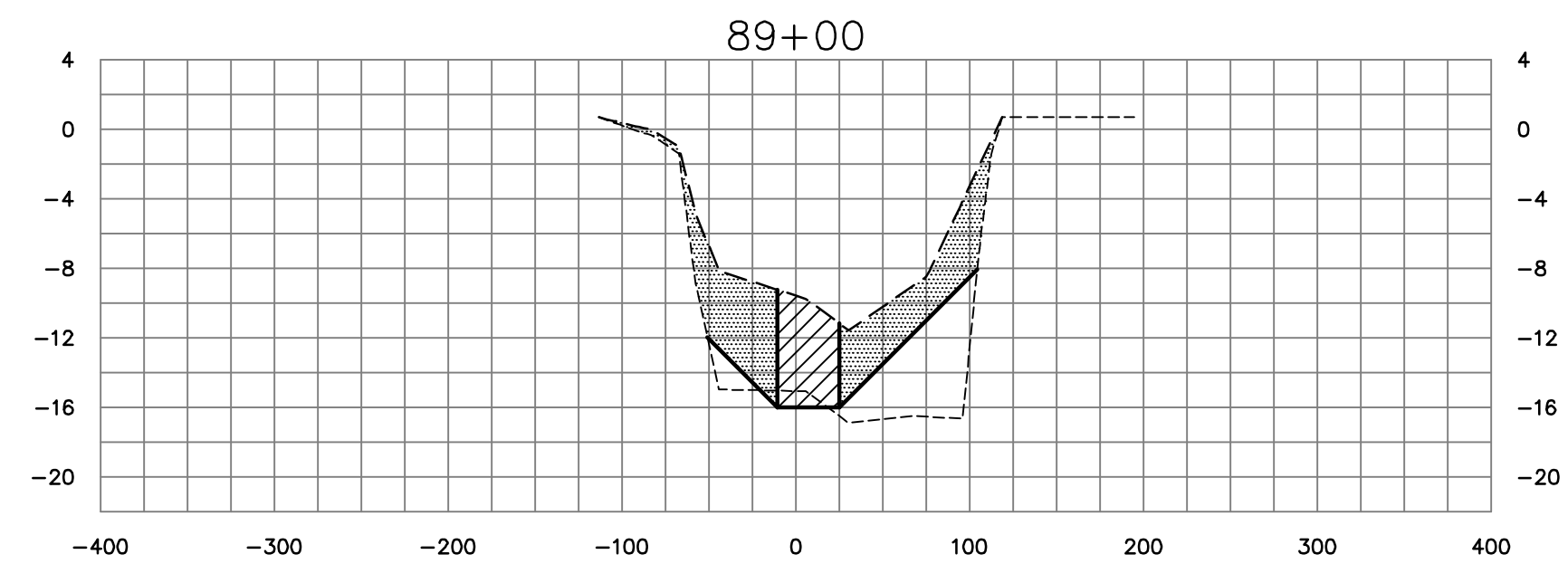
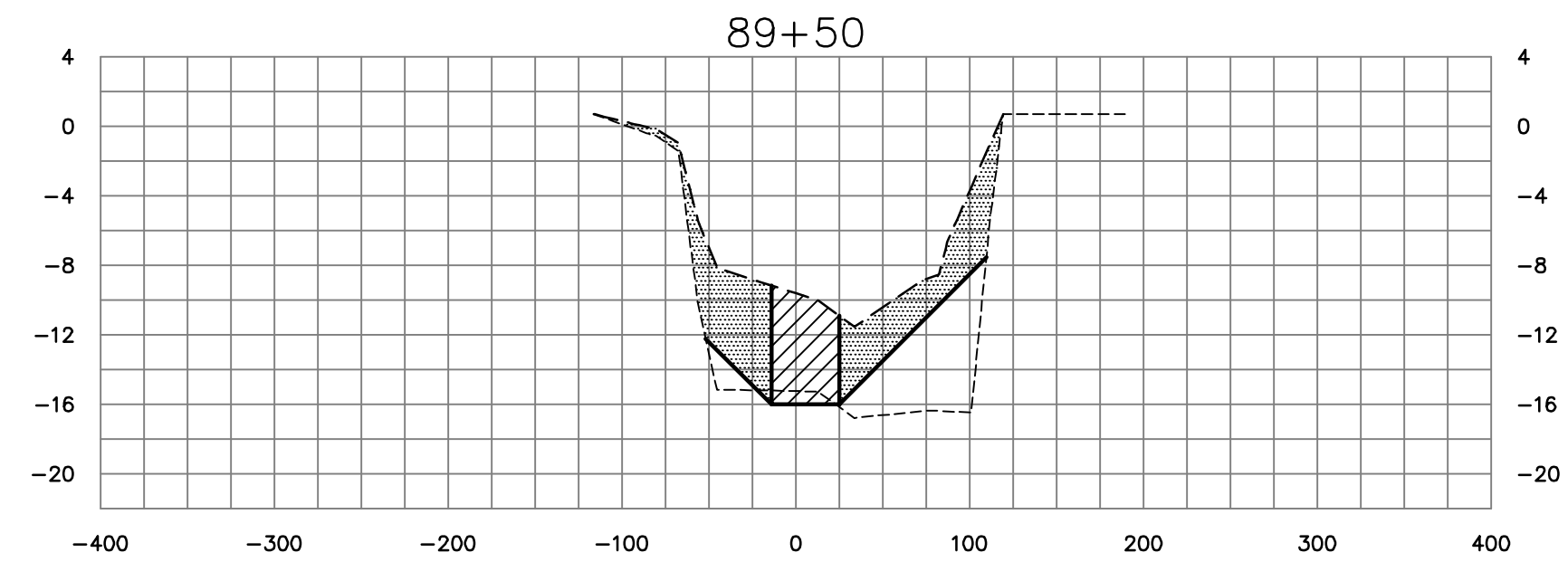
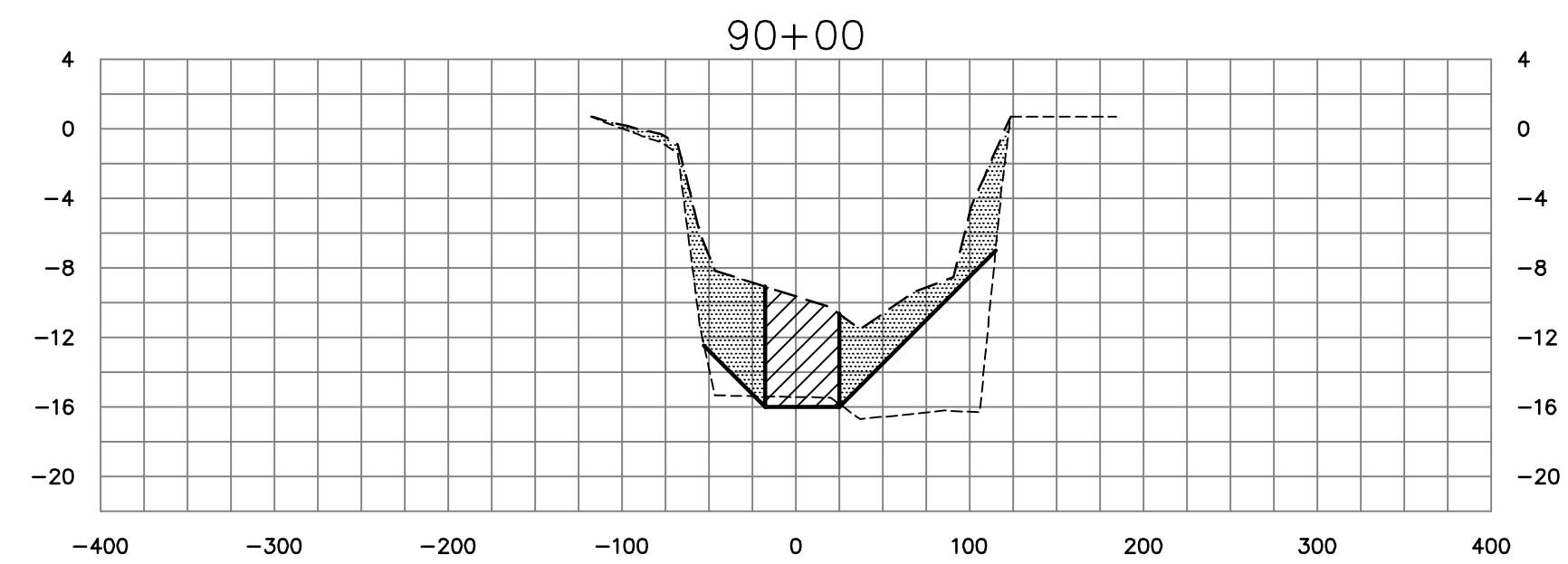
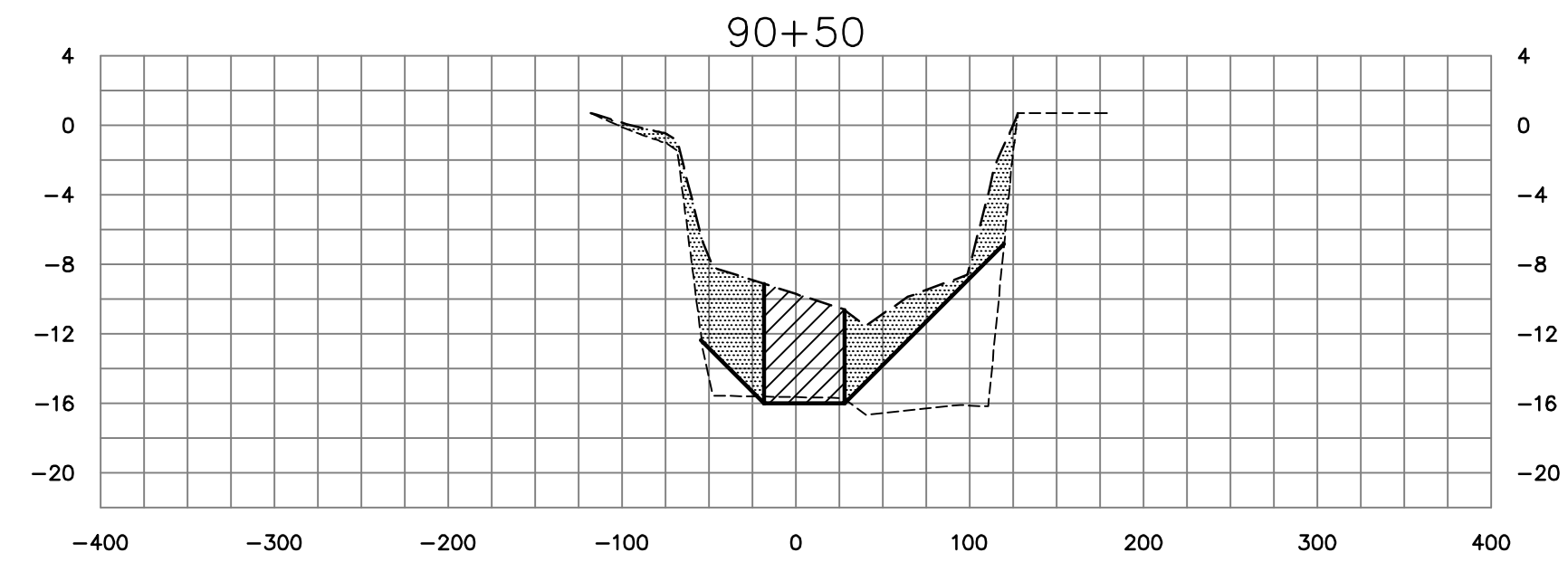
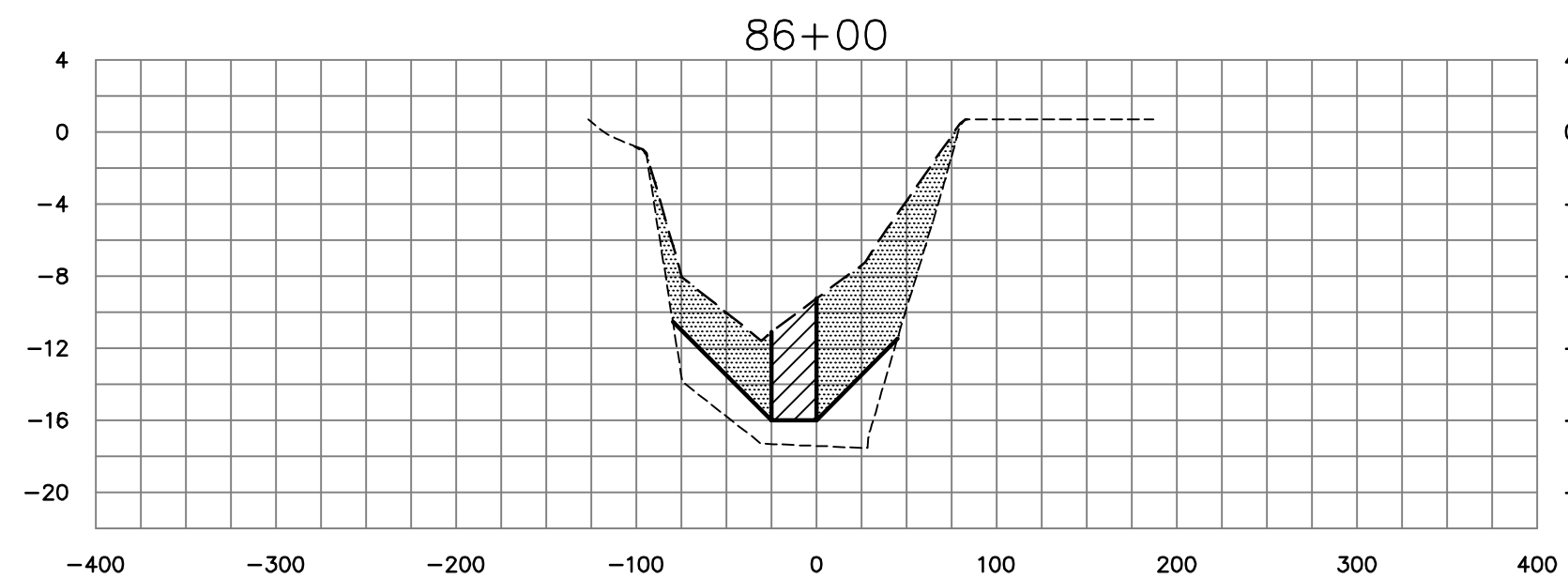
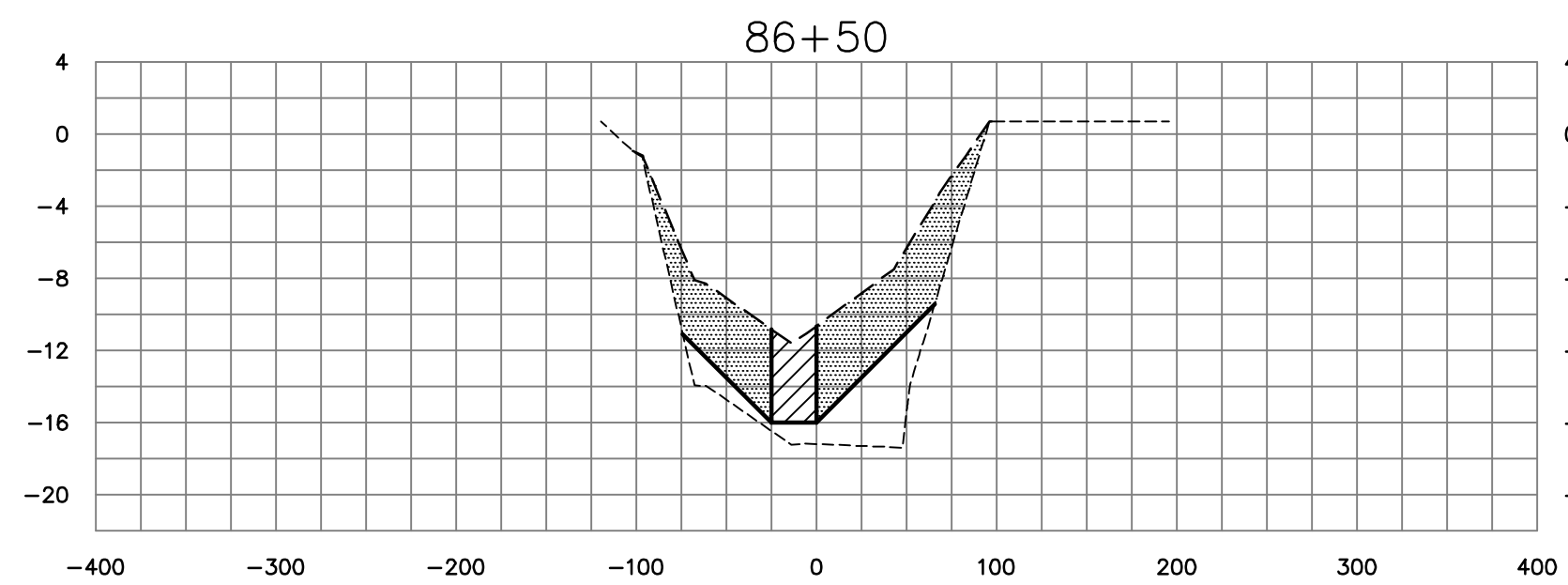
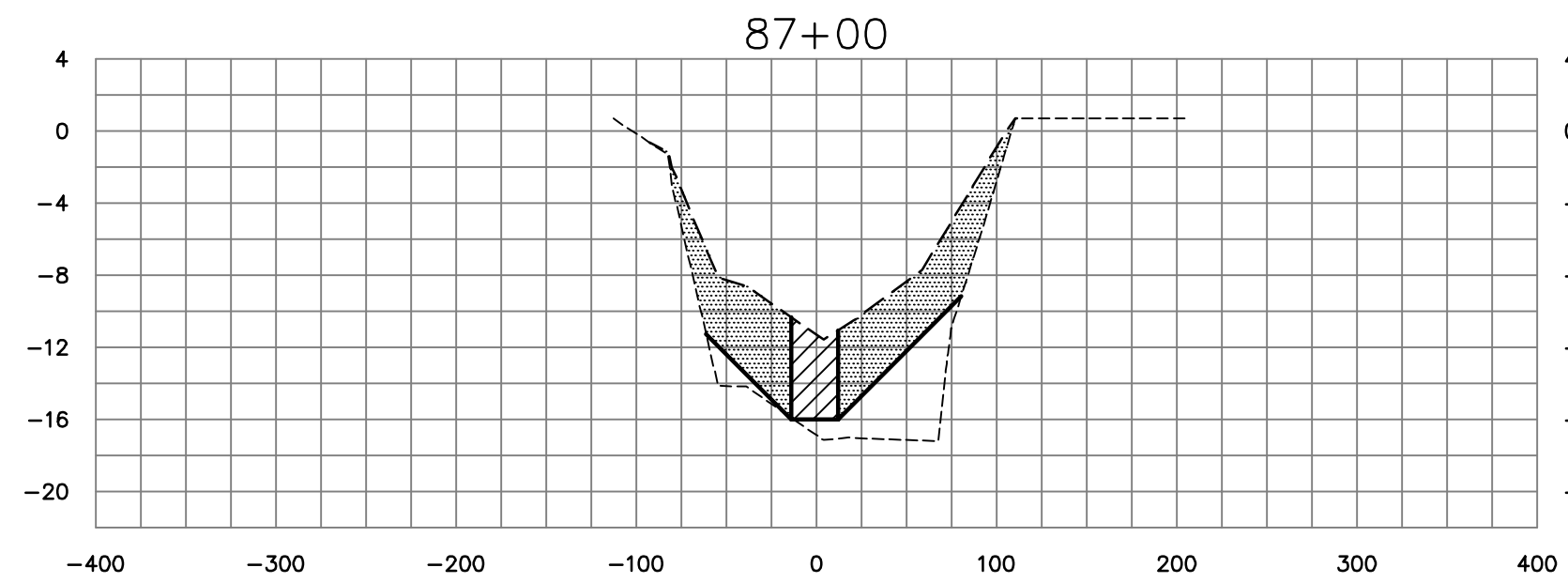
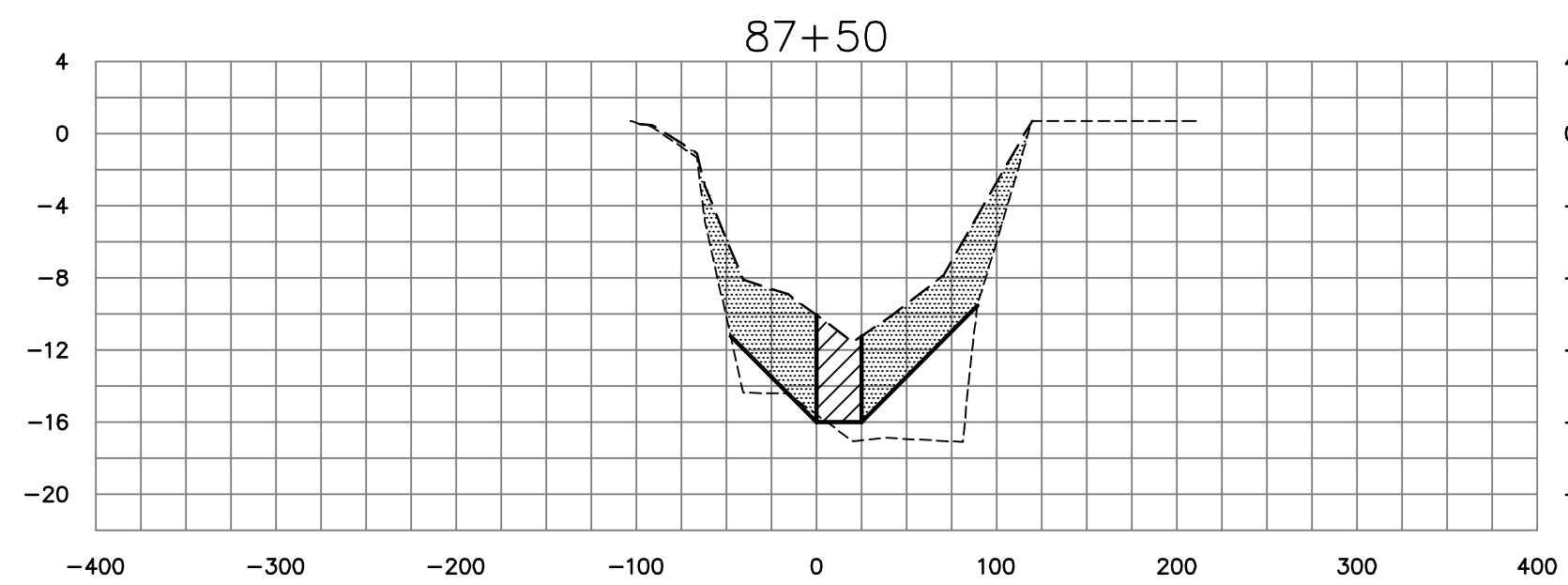
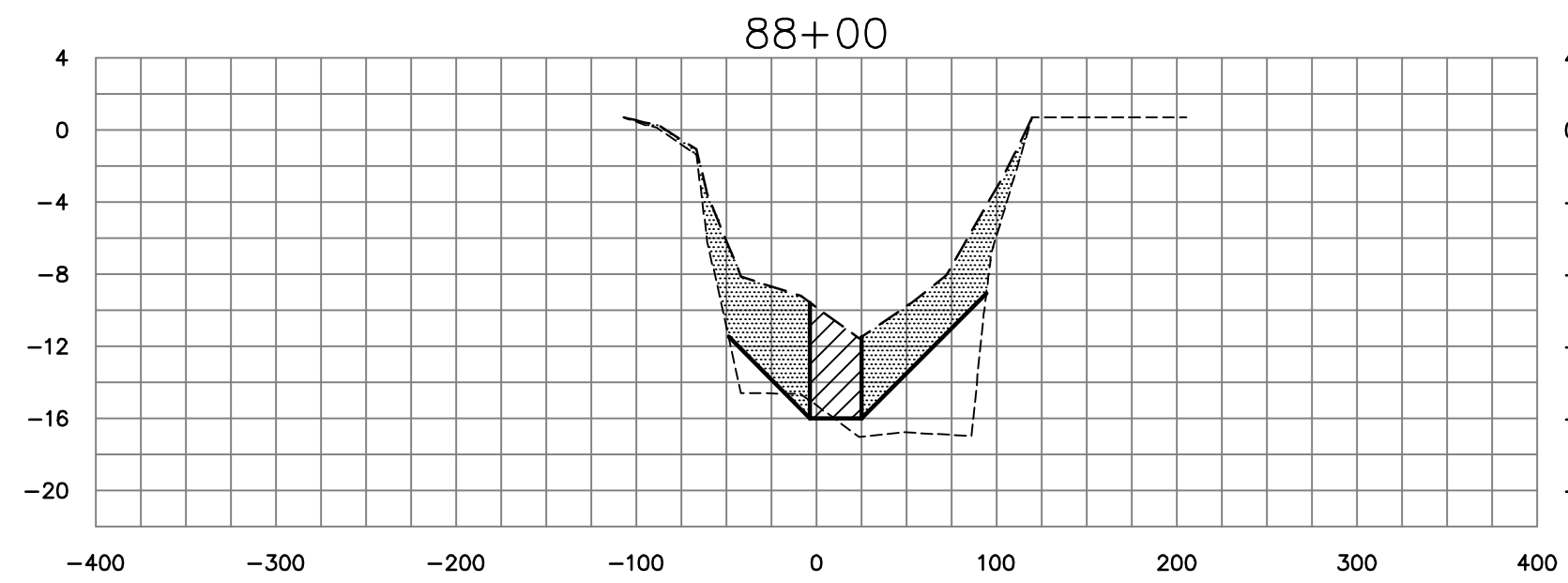
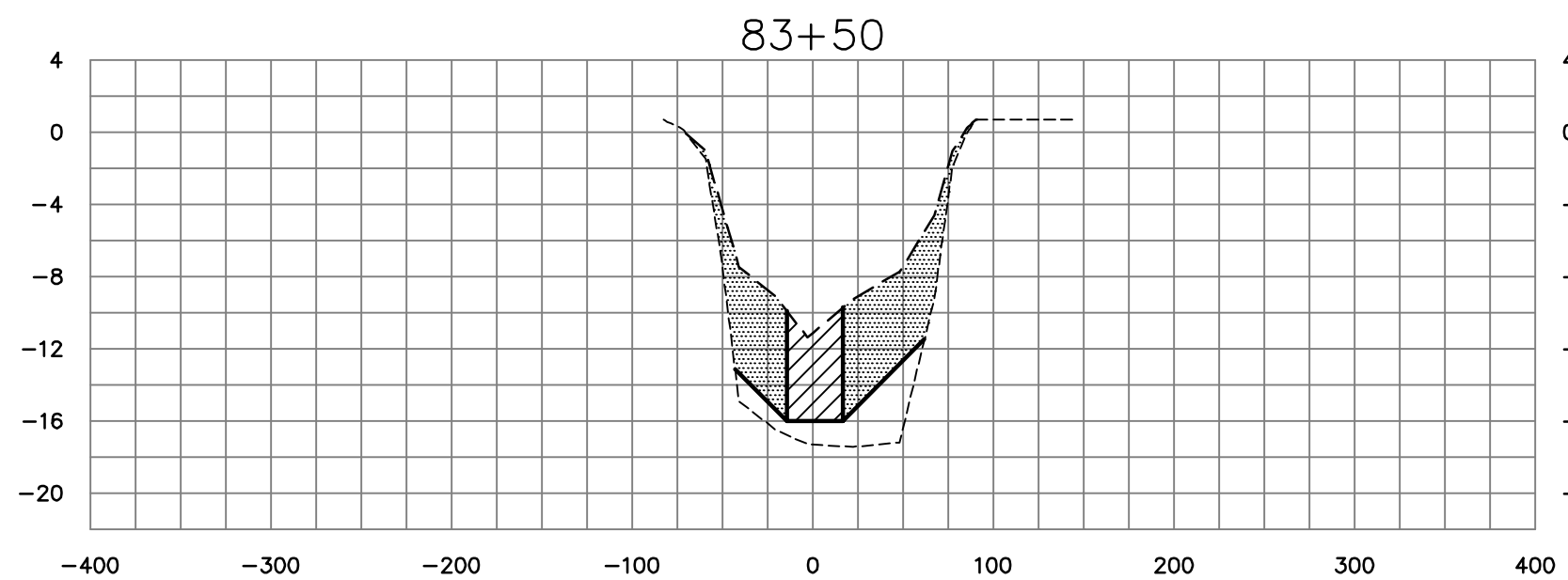
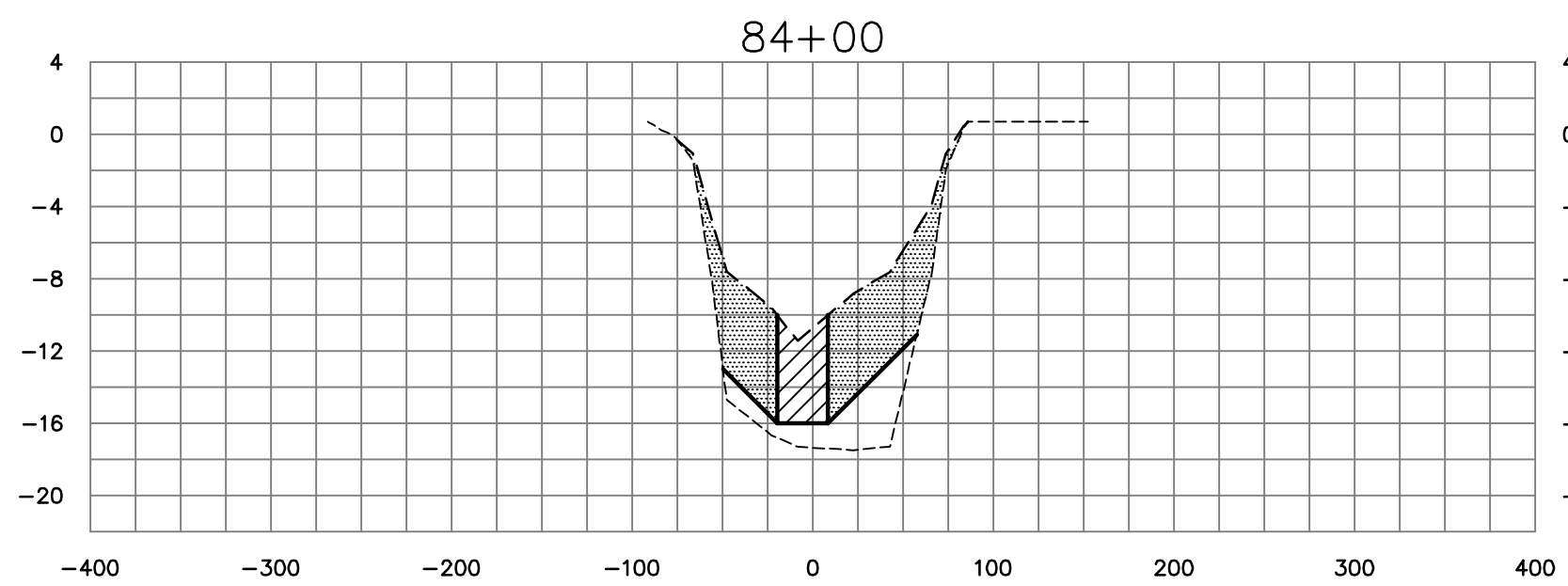
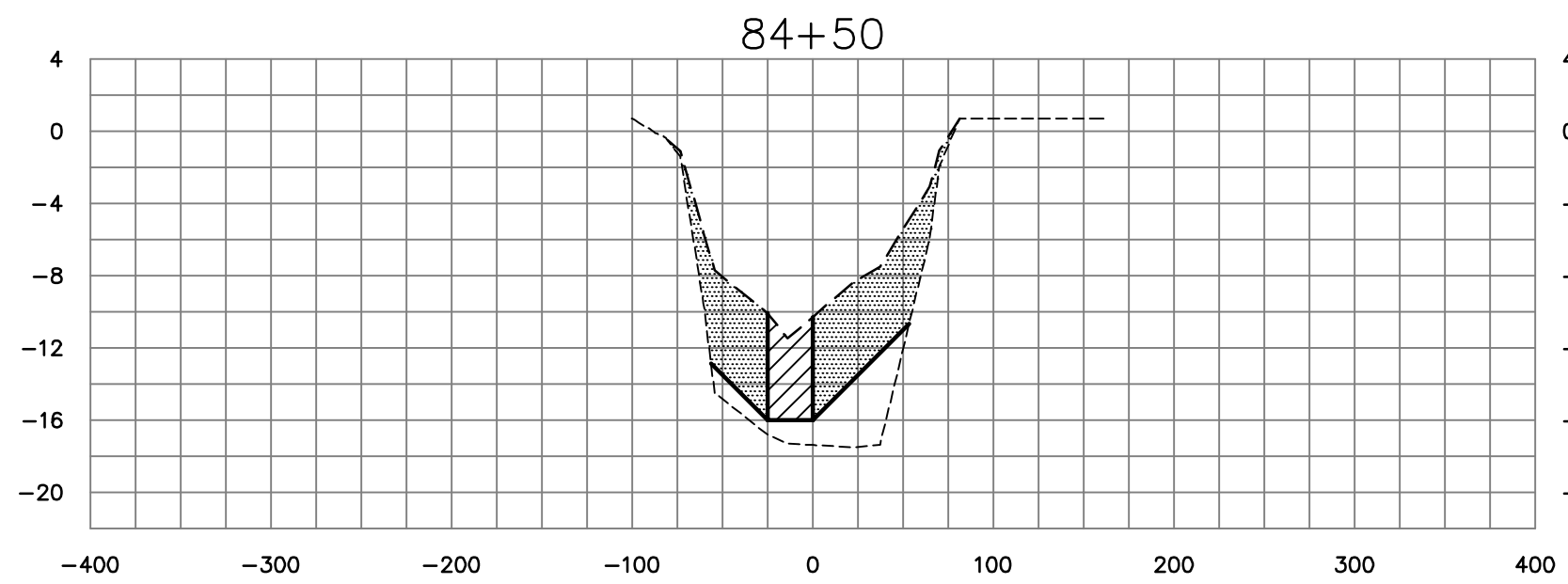
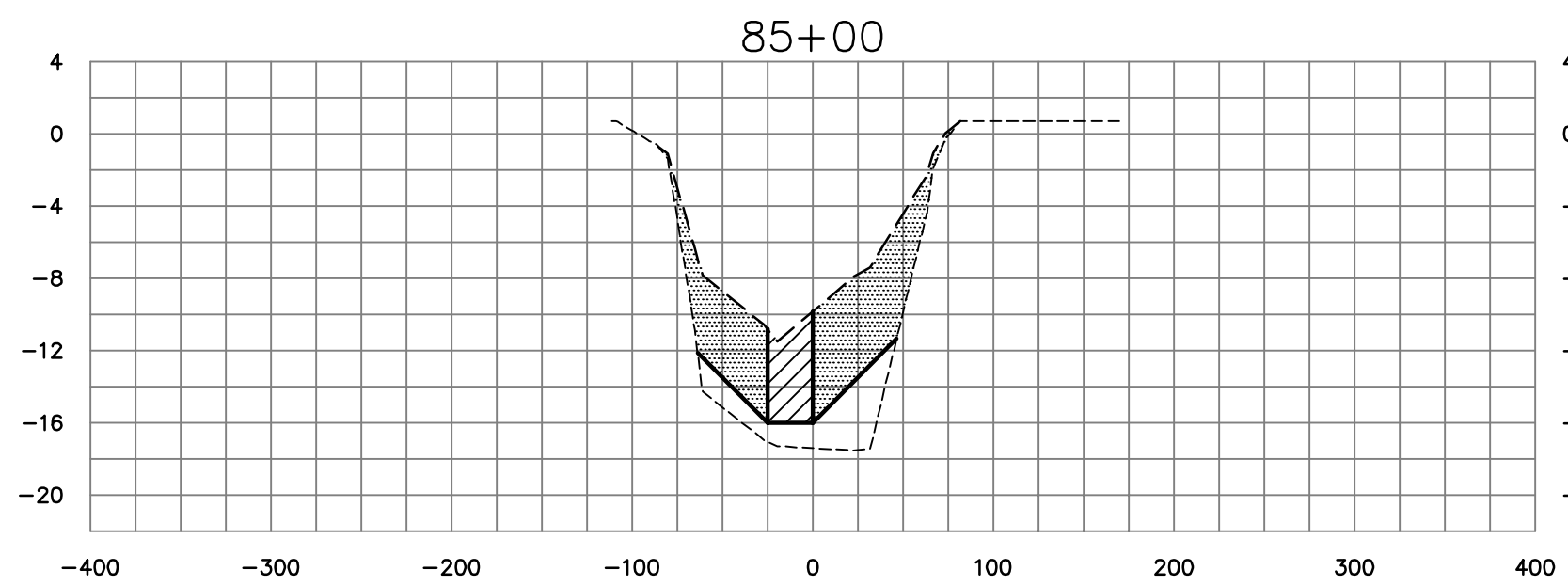
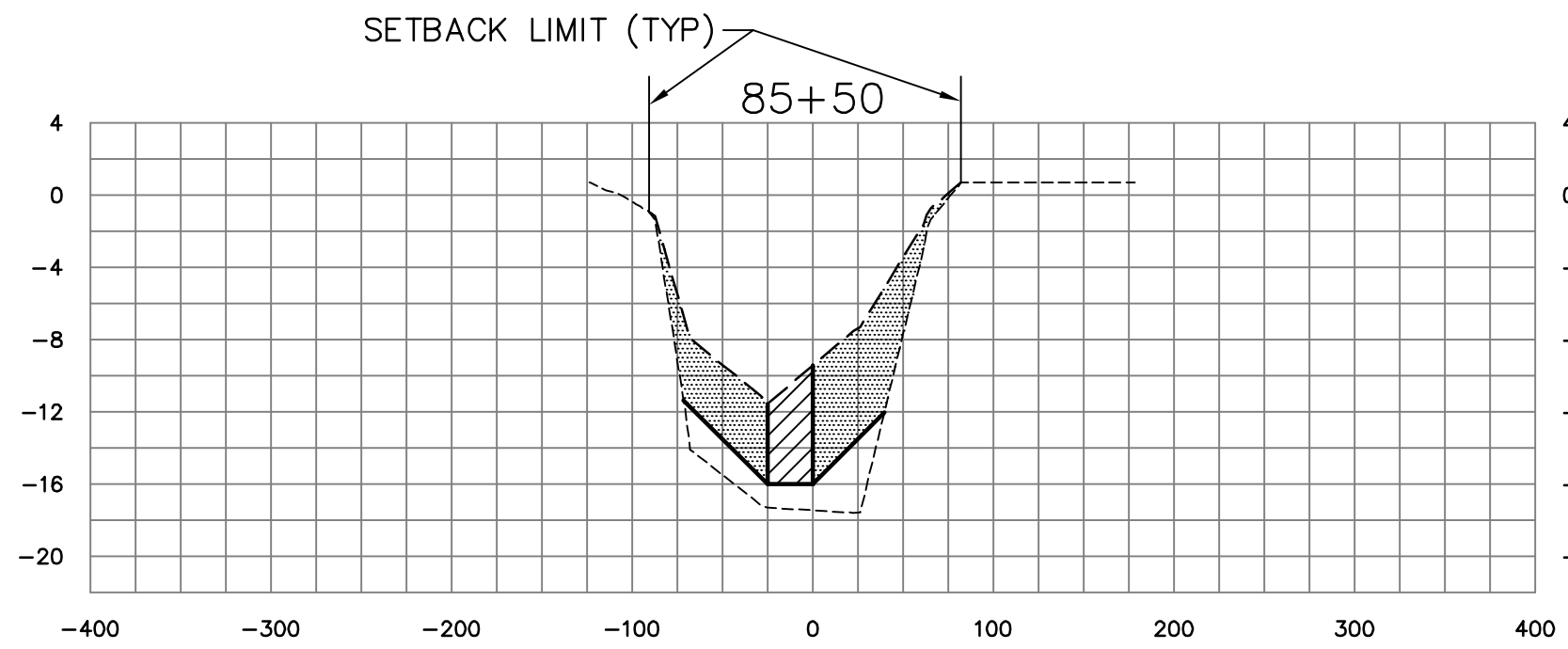
DATE JUNE 2005

SHEET 59 OF 67



XS43

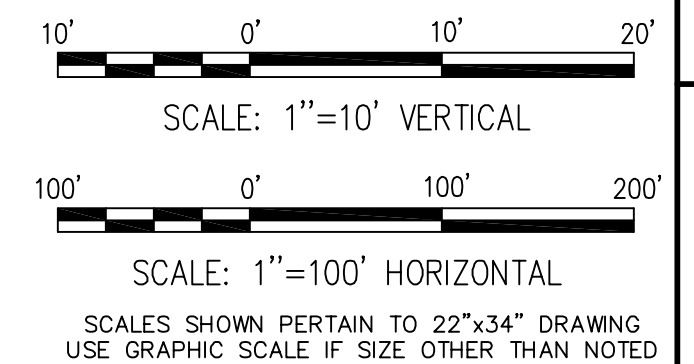
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C-54 CANAL CROSS SECTIONS

LEGEND

- APPROXIMATE PRE-MUCK SURFACE
- APPROXIMATE TOP OF MUCK SURFACE
- ////// DENOTES BOXCUT DREDGE AREA
- ||||| DENOTES ANTICIPATED MUCK SLOUGHING AREA



ST JOHNS RIVER WATER MANAGEMENT DISTRICT
SEBASTIAN RIVER MUCK REMOVAL
SEBASTIAN, FLORIDA



DREDGE CROSS SECTIONS
SHEET 44 OF 51

MOFFATT & NICHOL
1509 W. SWANN AVE. SUITE 225
TAMPA, FLORIDA 33606
(813)258-8818

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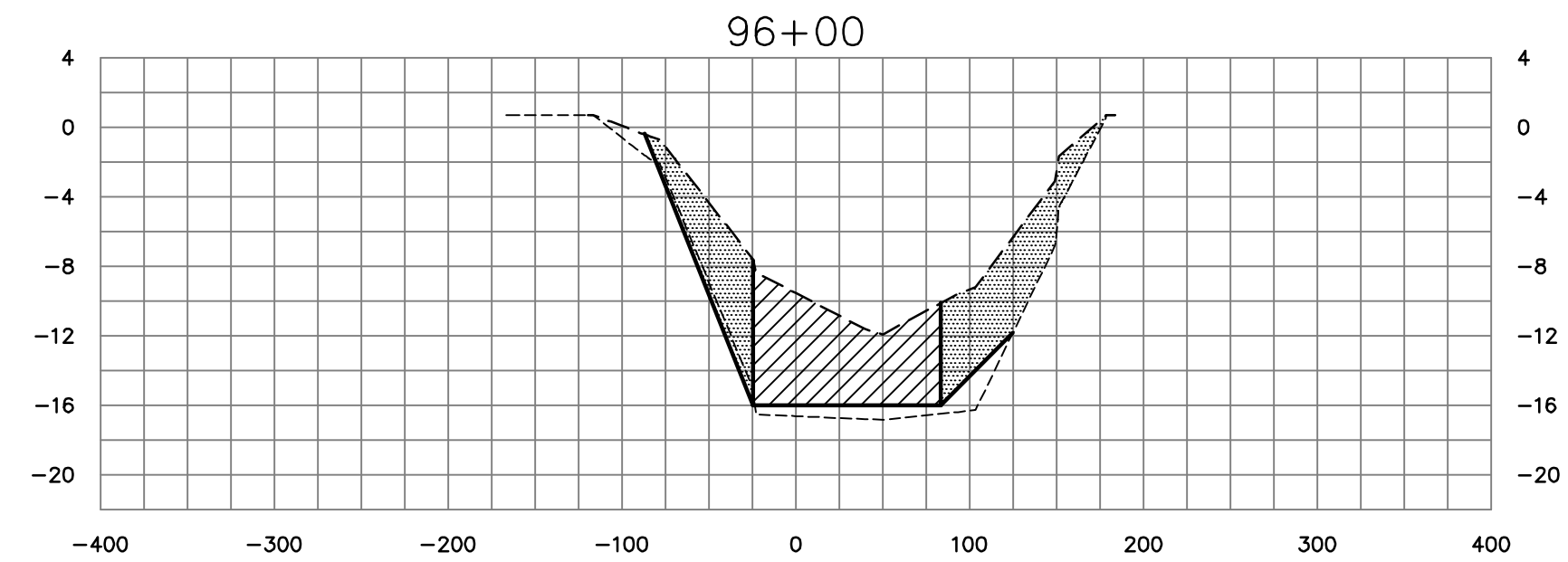
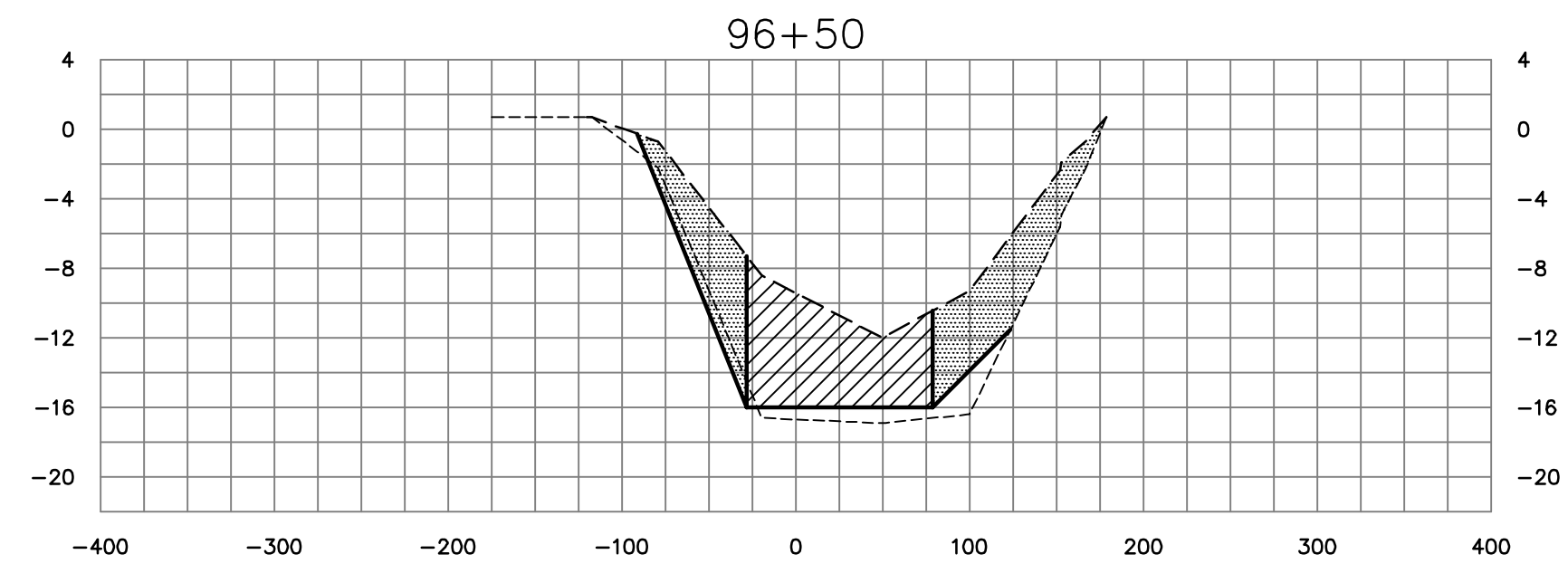
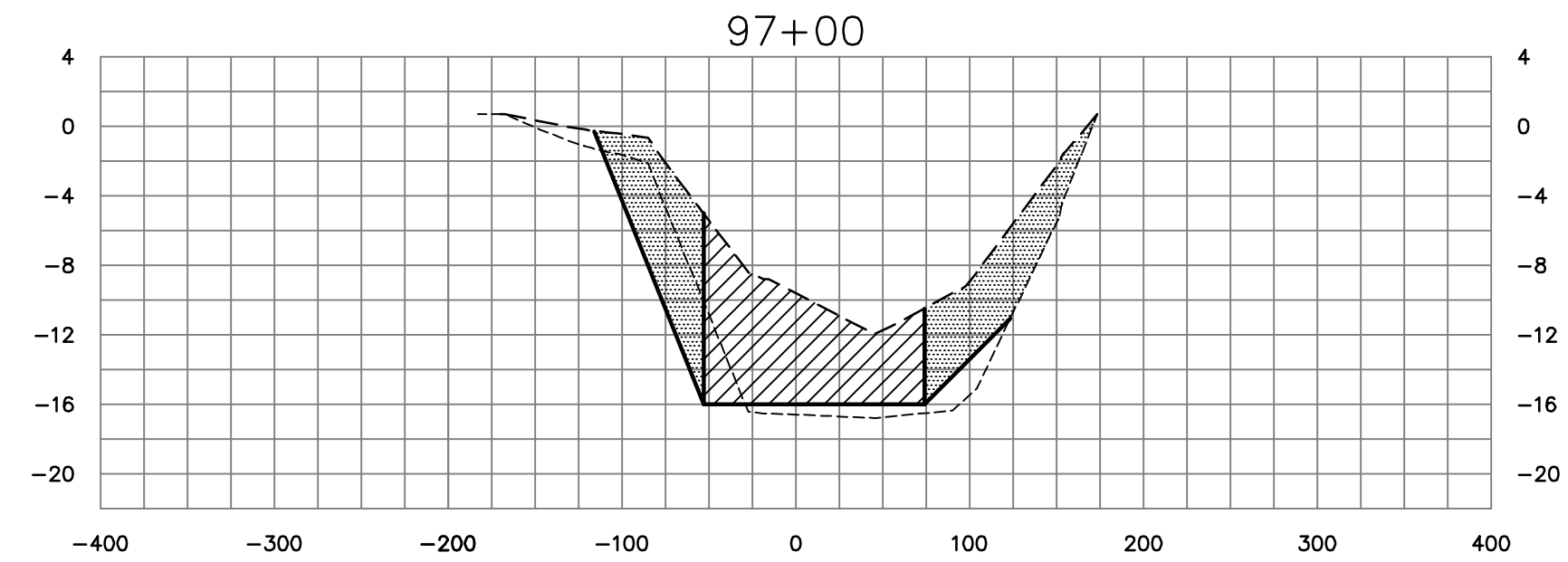
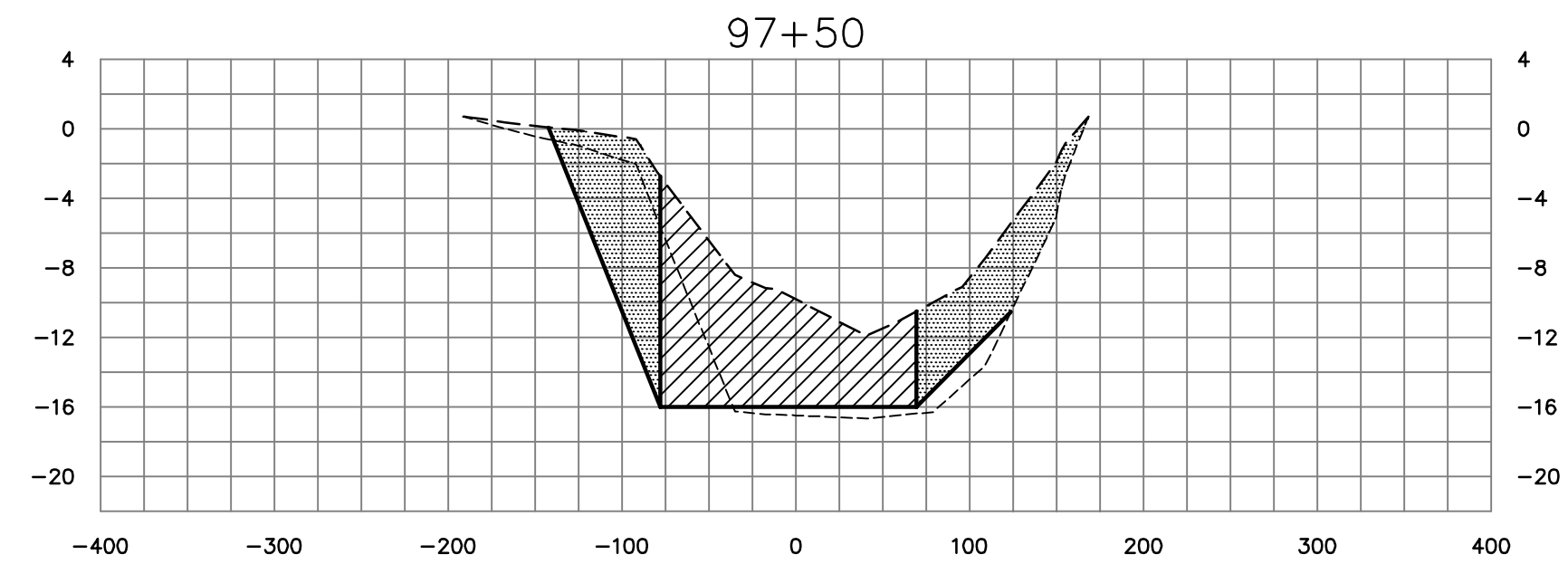
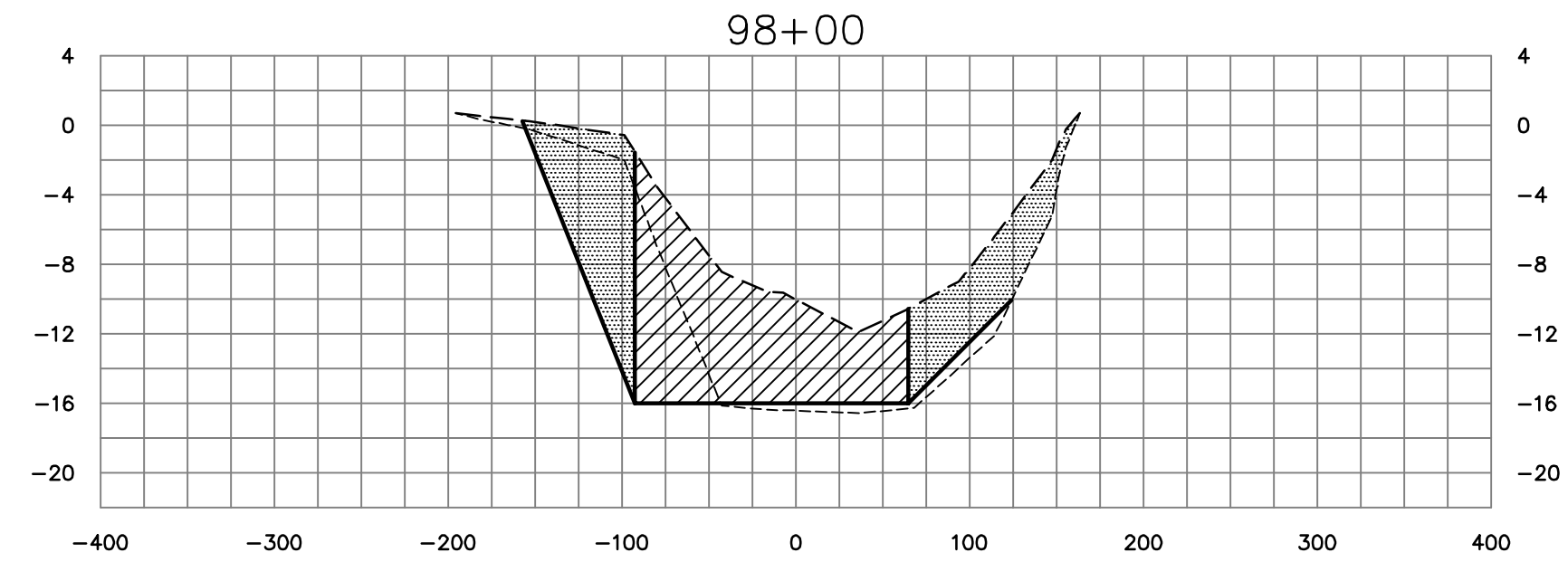
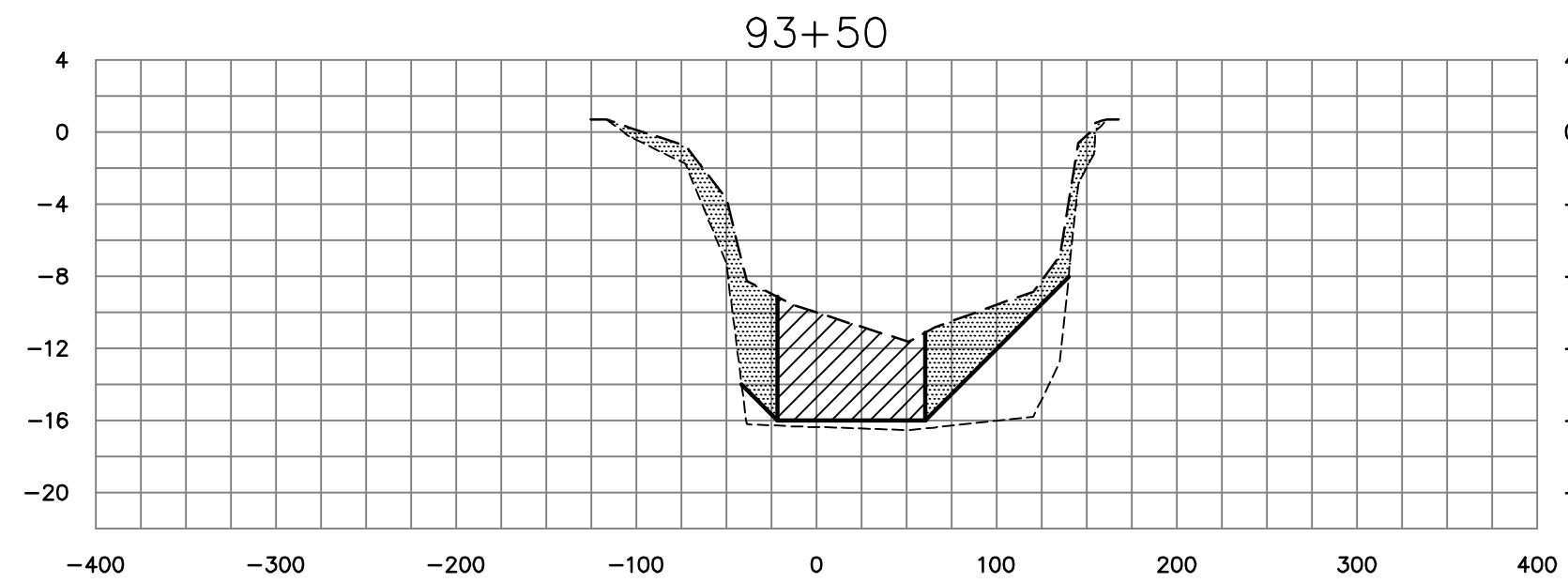
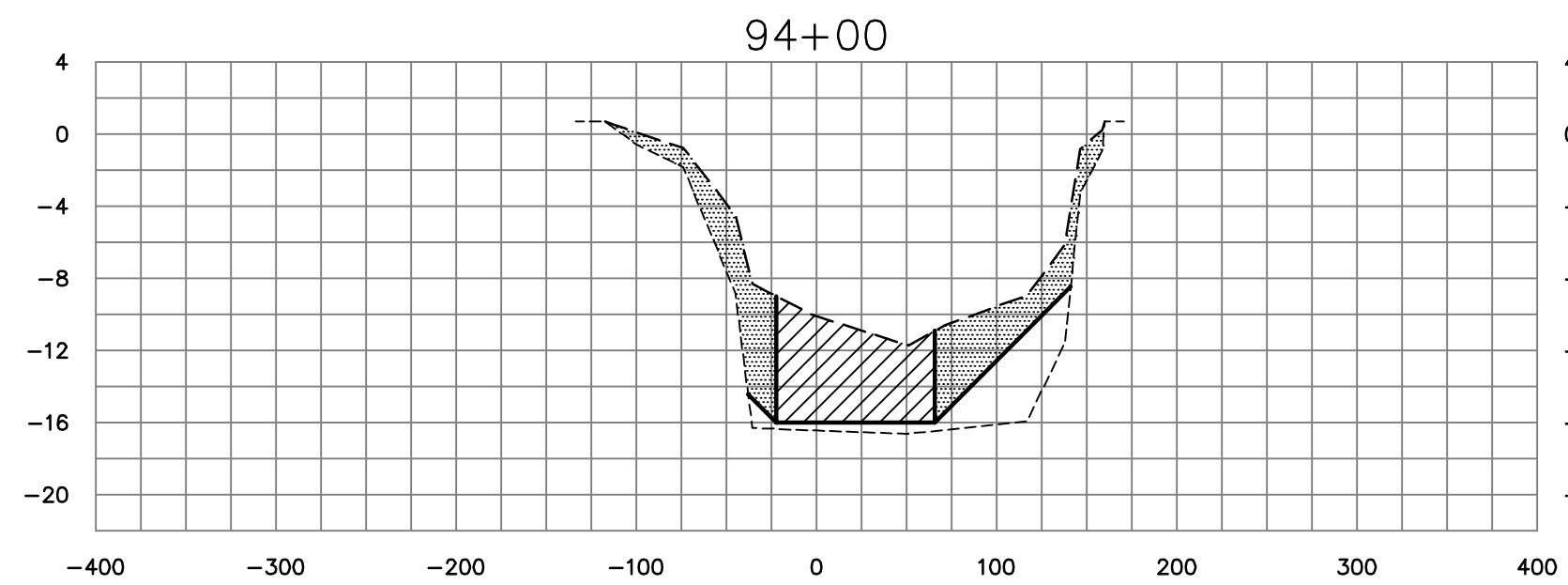
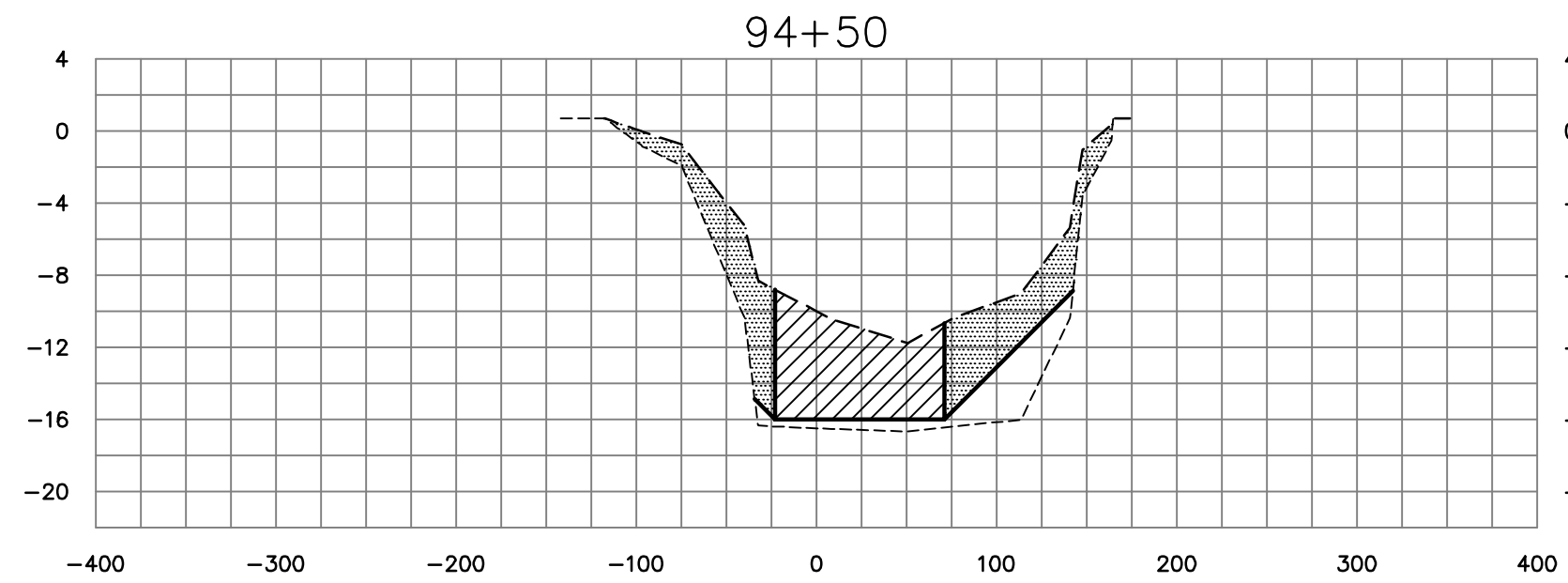
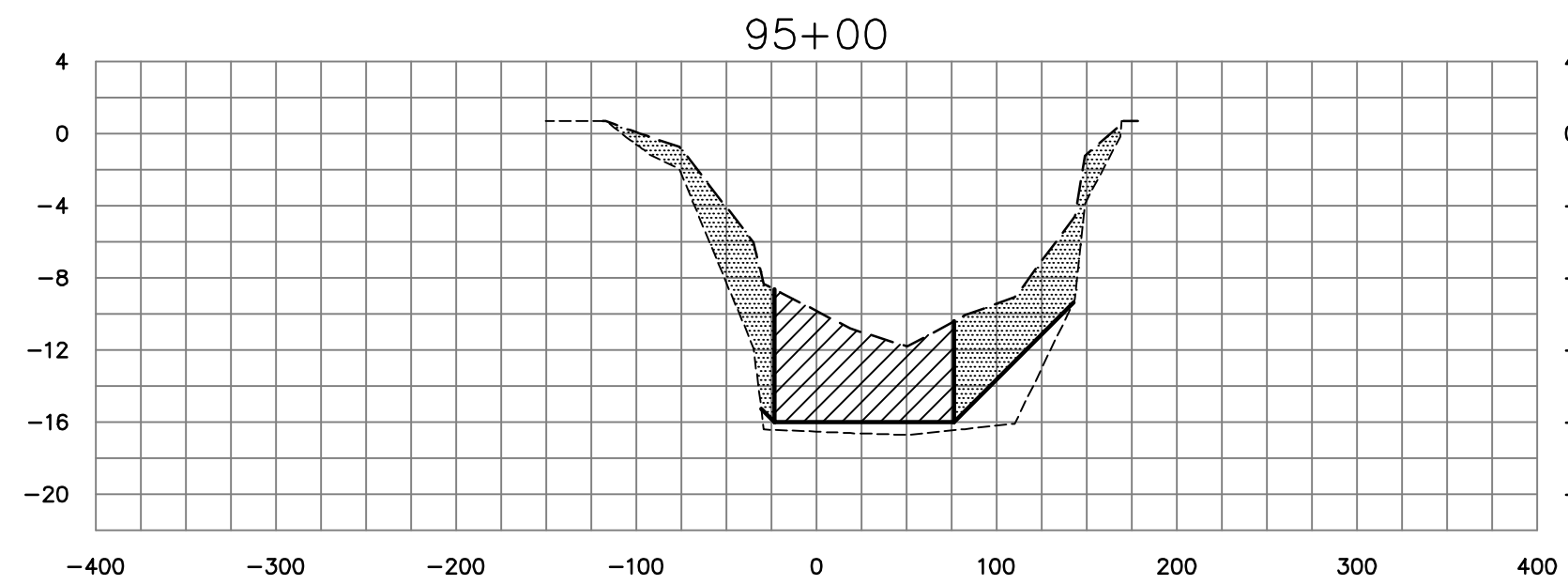
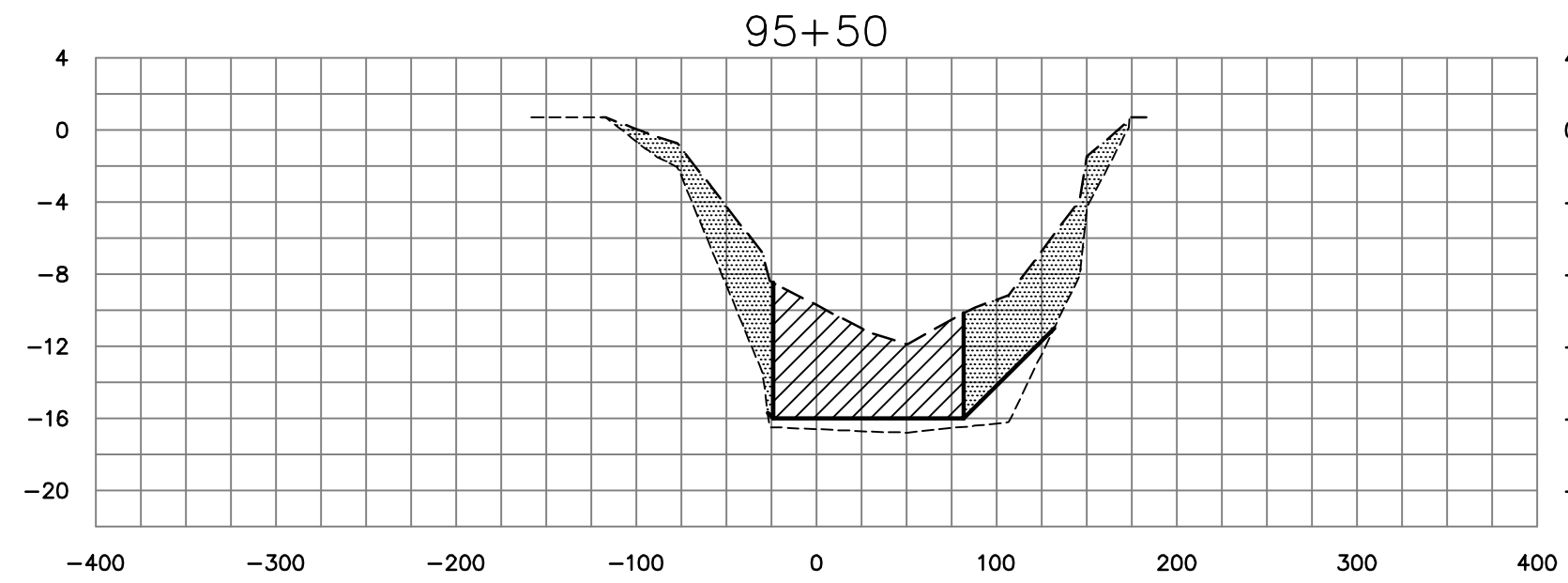
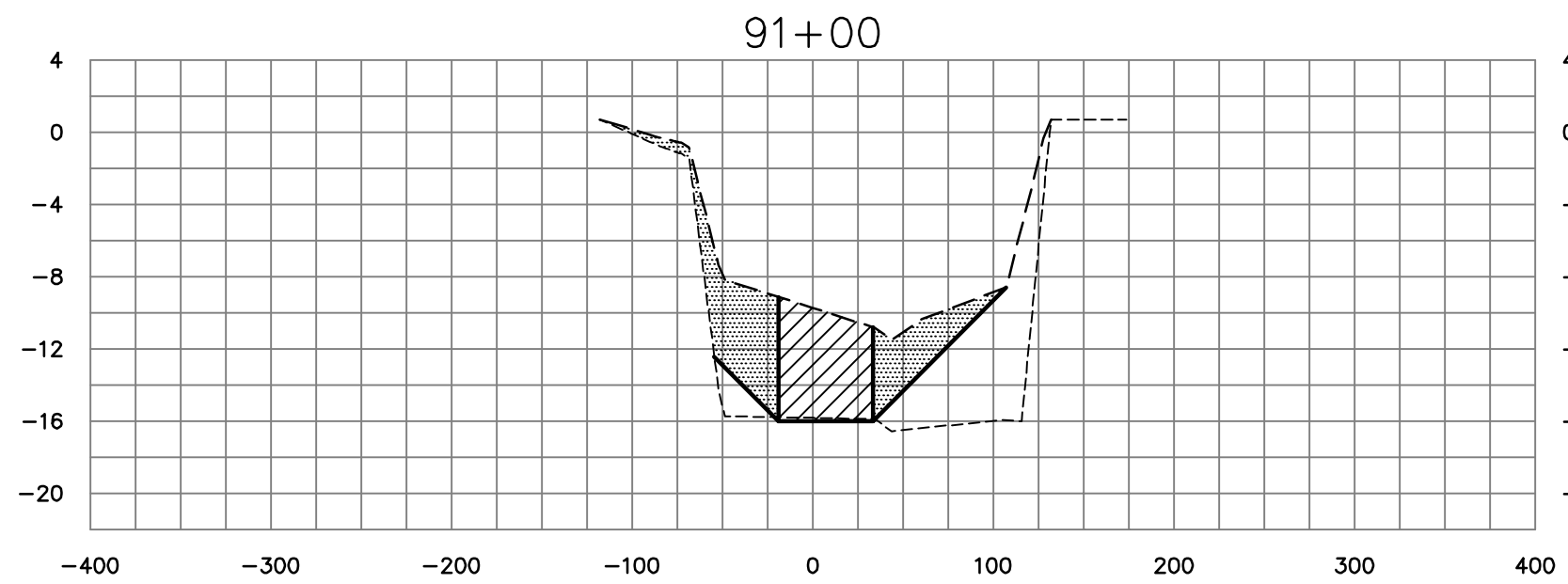
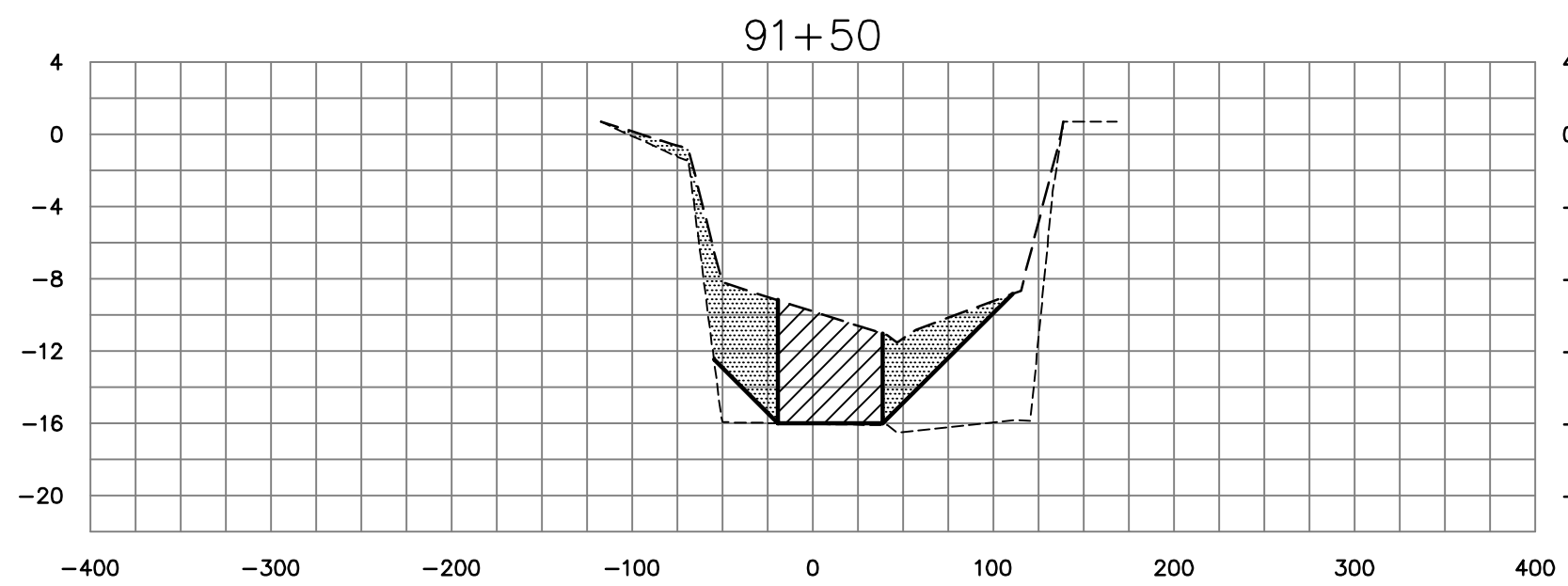
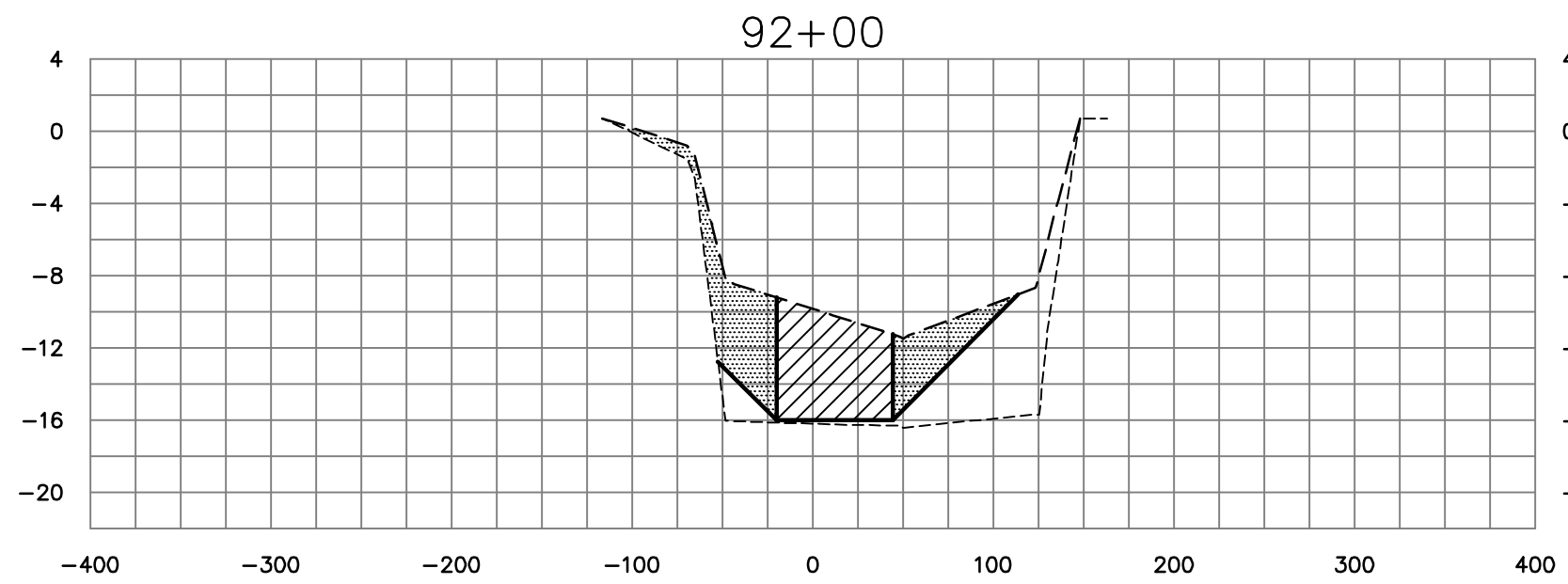
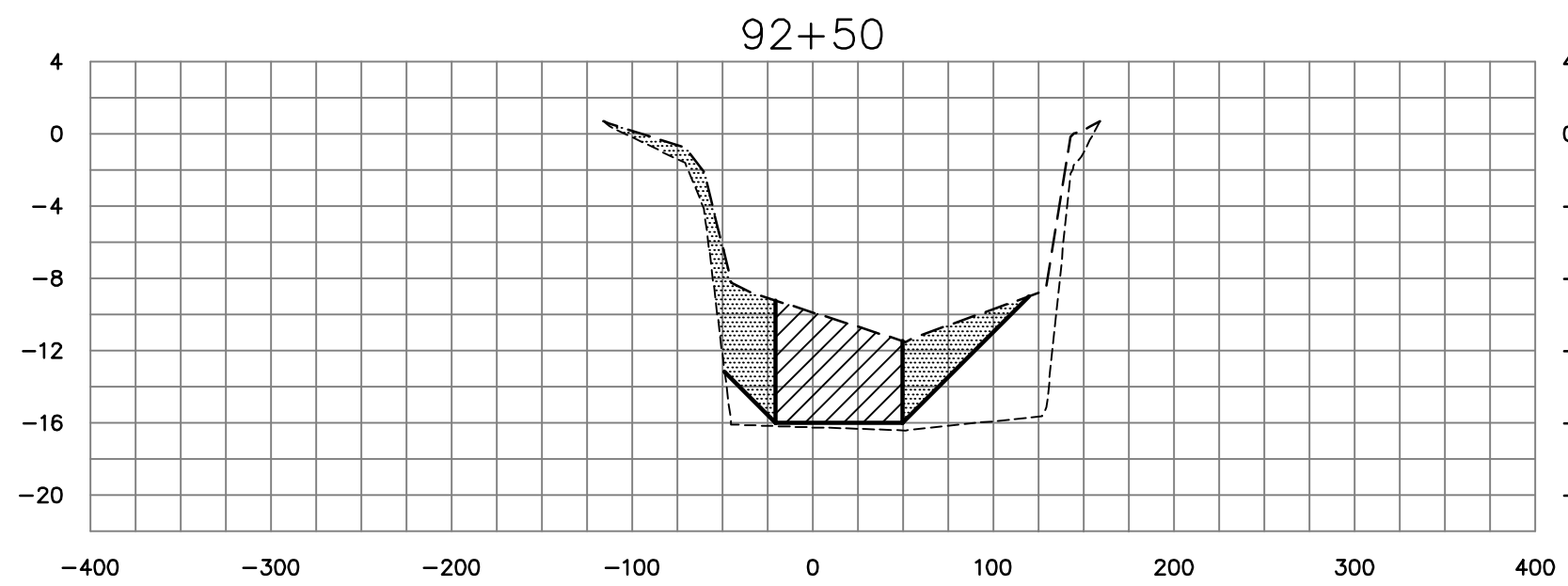
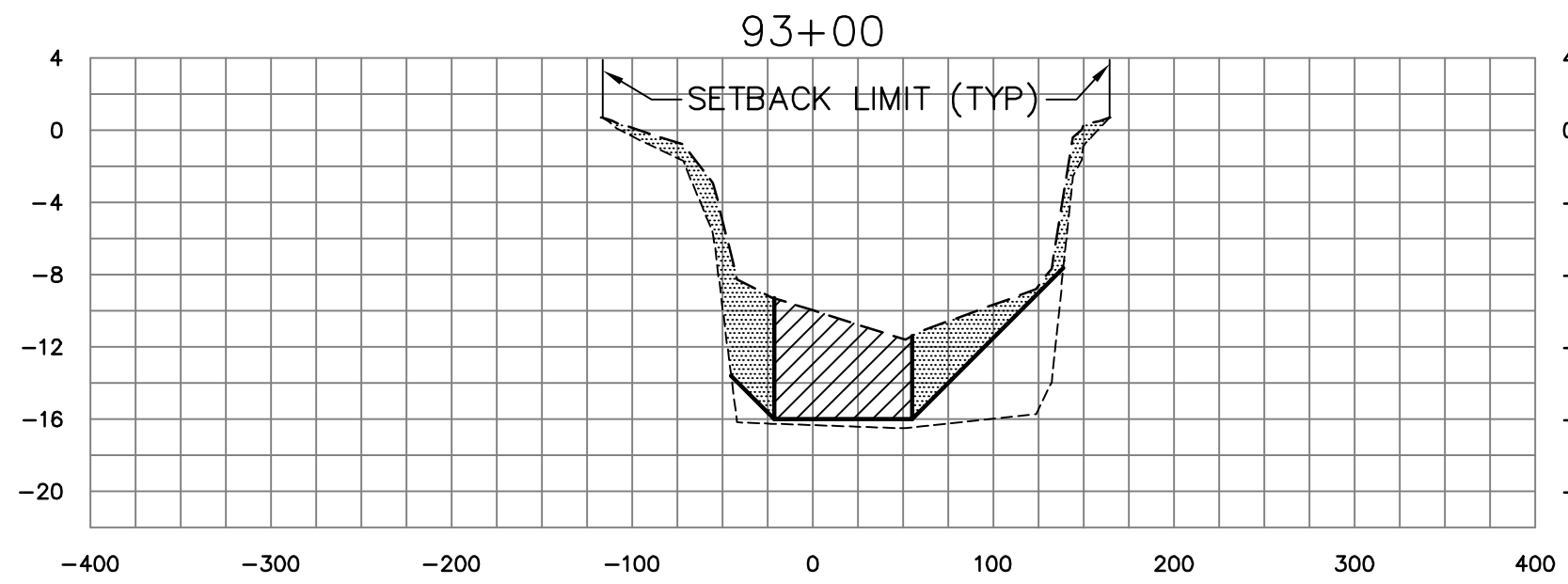
DATE JUNE 2005

SHEET 60 OF 67



XS44

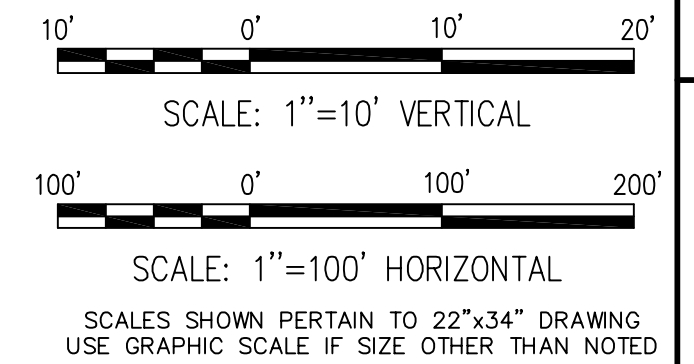
DWG. INFO: 46420X5045.DWG, JUN 23 2005 -- 09:08 AM, CSABINO, (C) MOFFATT AND NICHOL



C-54 CANAL CROSS SECTIONS

LEGEND

- APPROXIMATE PRE-MUCK SURFACE
- APPROXIMATE TOP OF MUCK SURFACE
-  DENOTES BOXCUT DREDGE AREA
-  DENOTES ANTICIPATED MUCK SLOUGHING AREA



ST JOHNS RIVER WATER MANAGEMENT DISTRICT
SEBASTIAN RIVER MUCK REMOVAL
SEBASTIAN, FLORIDA



DREDGE CROSS SECTIONS
SHEET 45 OF 51

MOFFATT & NICHOL
1509 W. SWANN AVE. SUITE 225
TAMPA, FLORIDA 33606
(813)258-8818

DSGN	DR	CHK	MP
SUBMITTED BY			TITLE
JOB NO. 4642-04			

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DRAWINGS**
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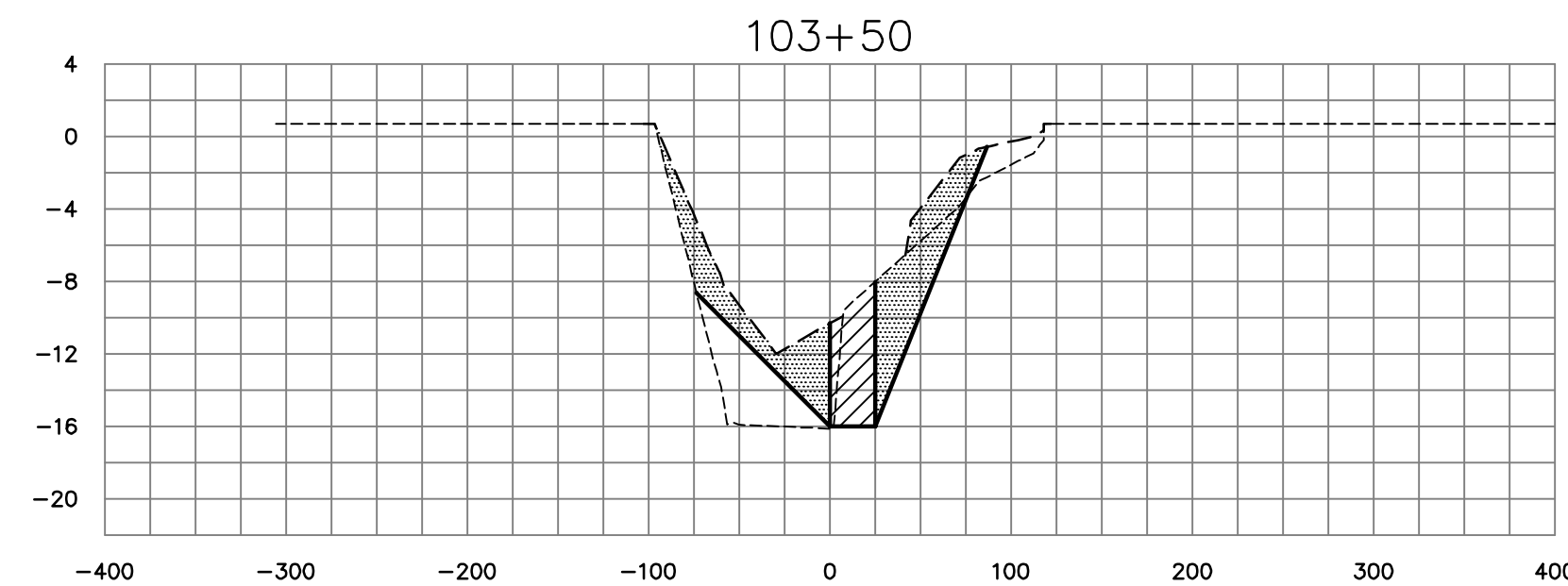
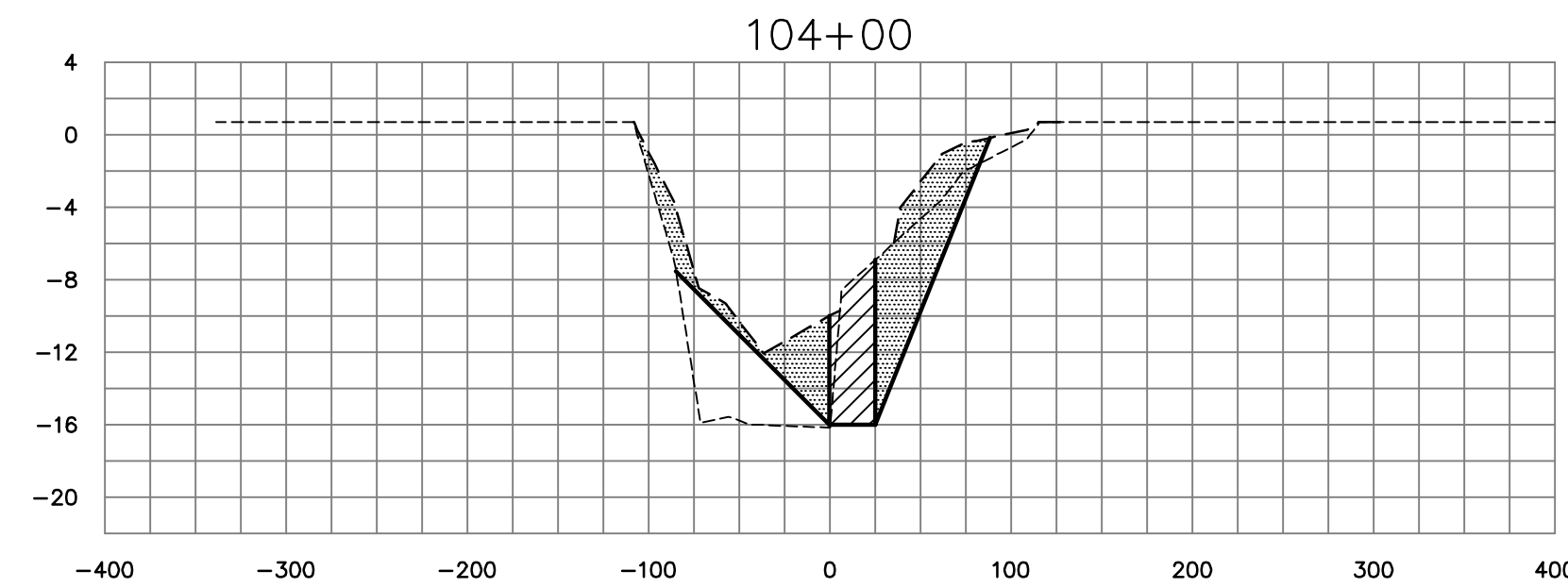
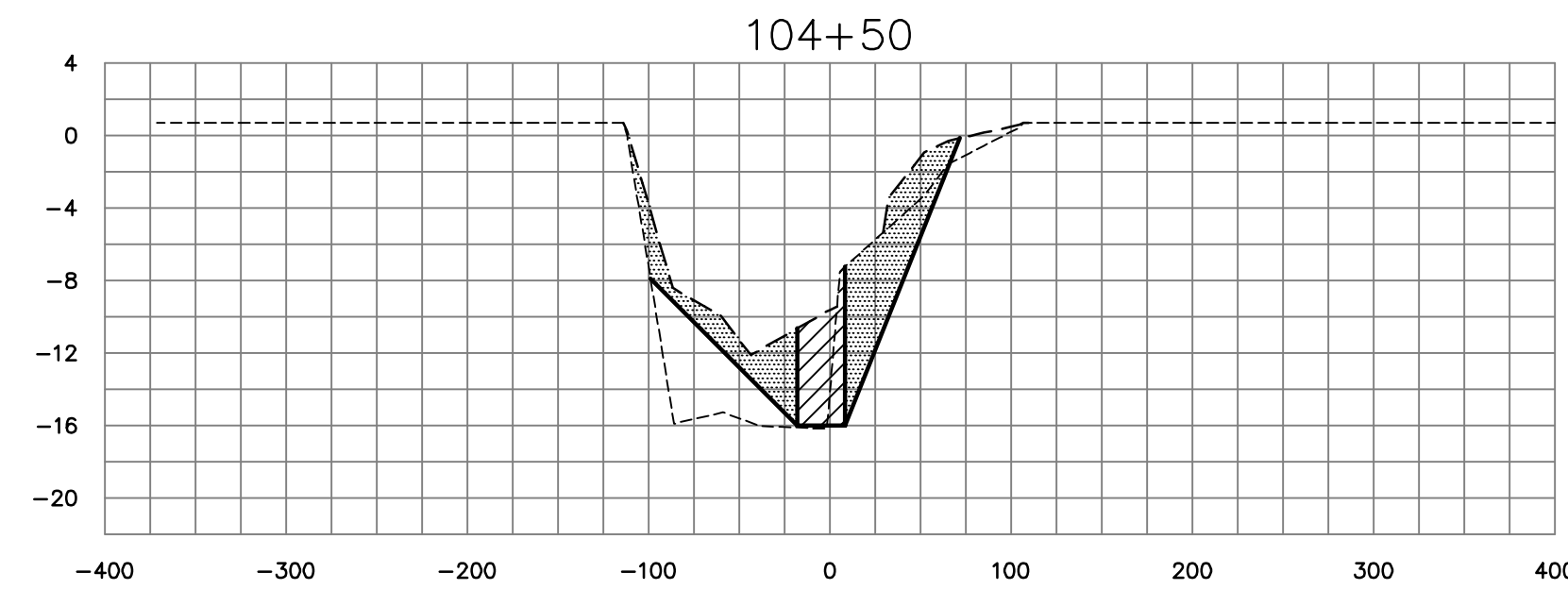
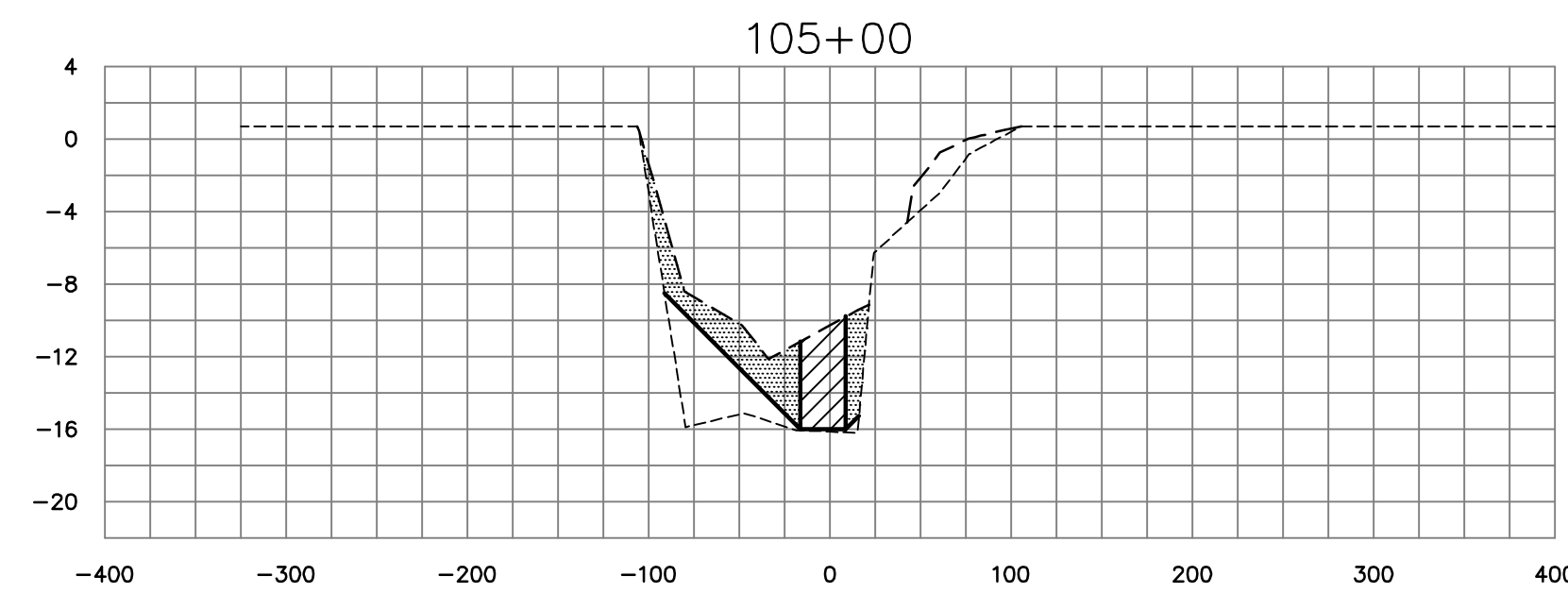
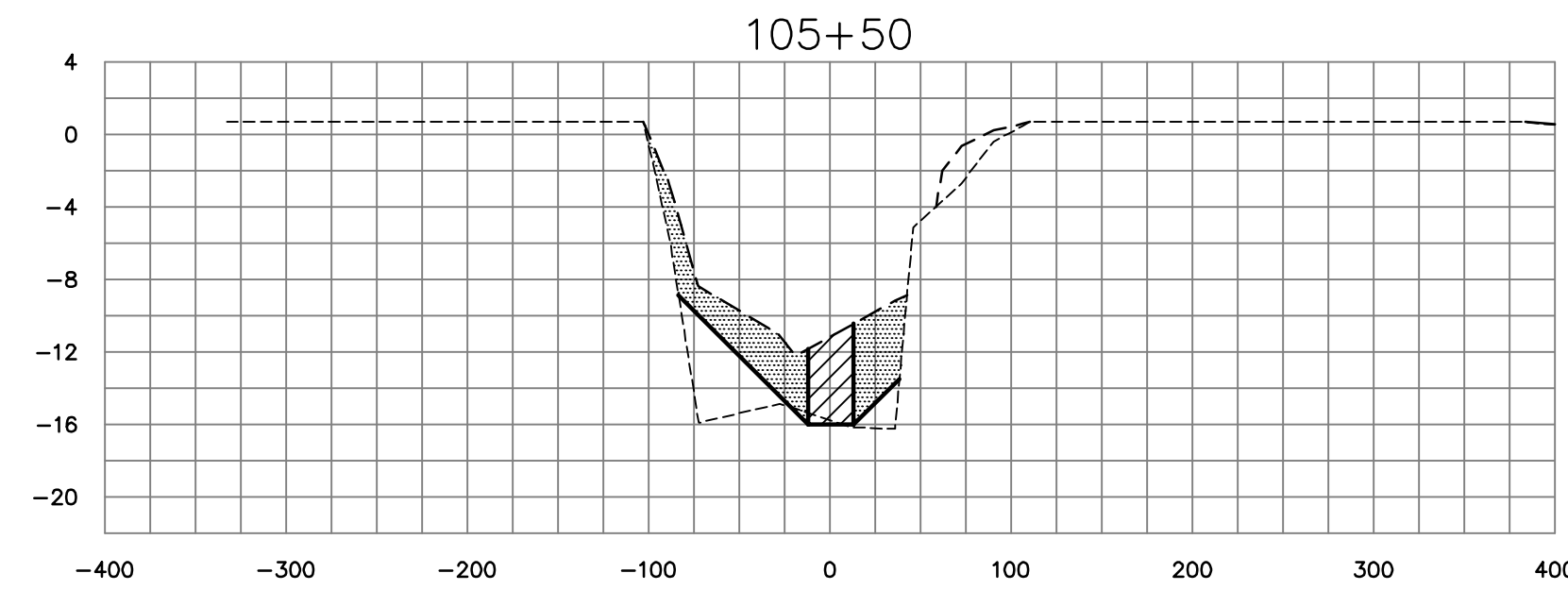
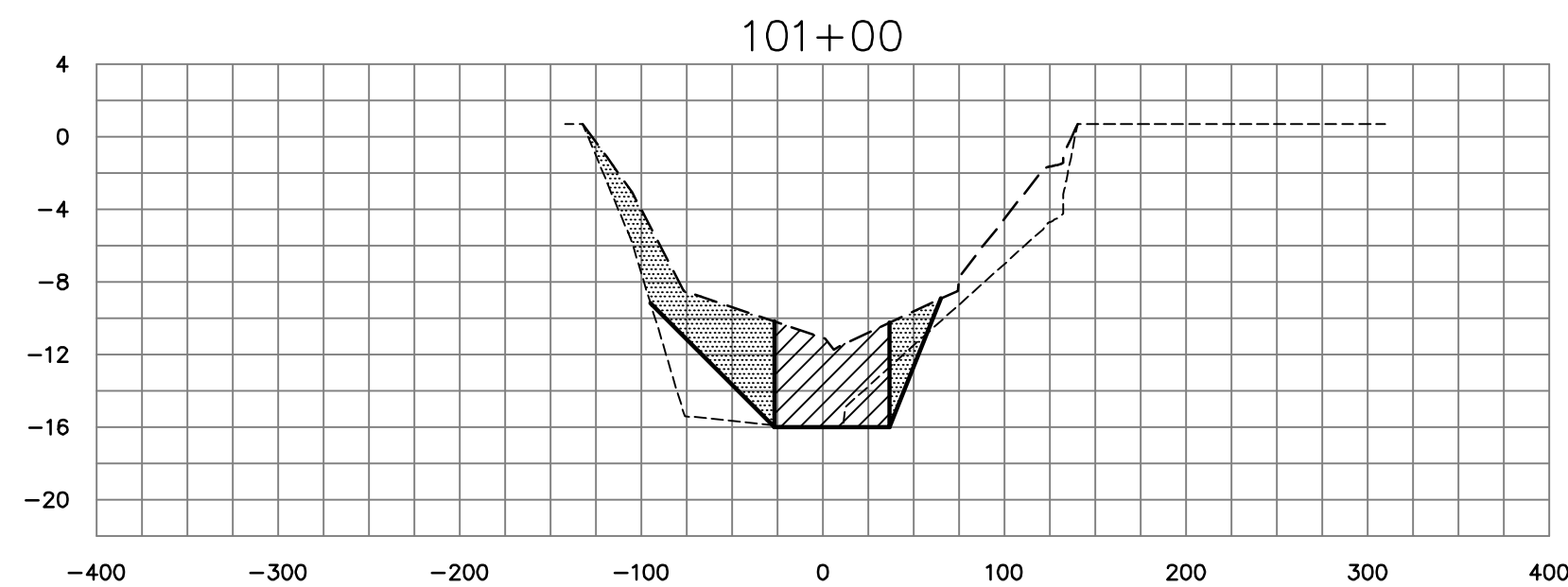
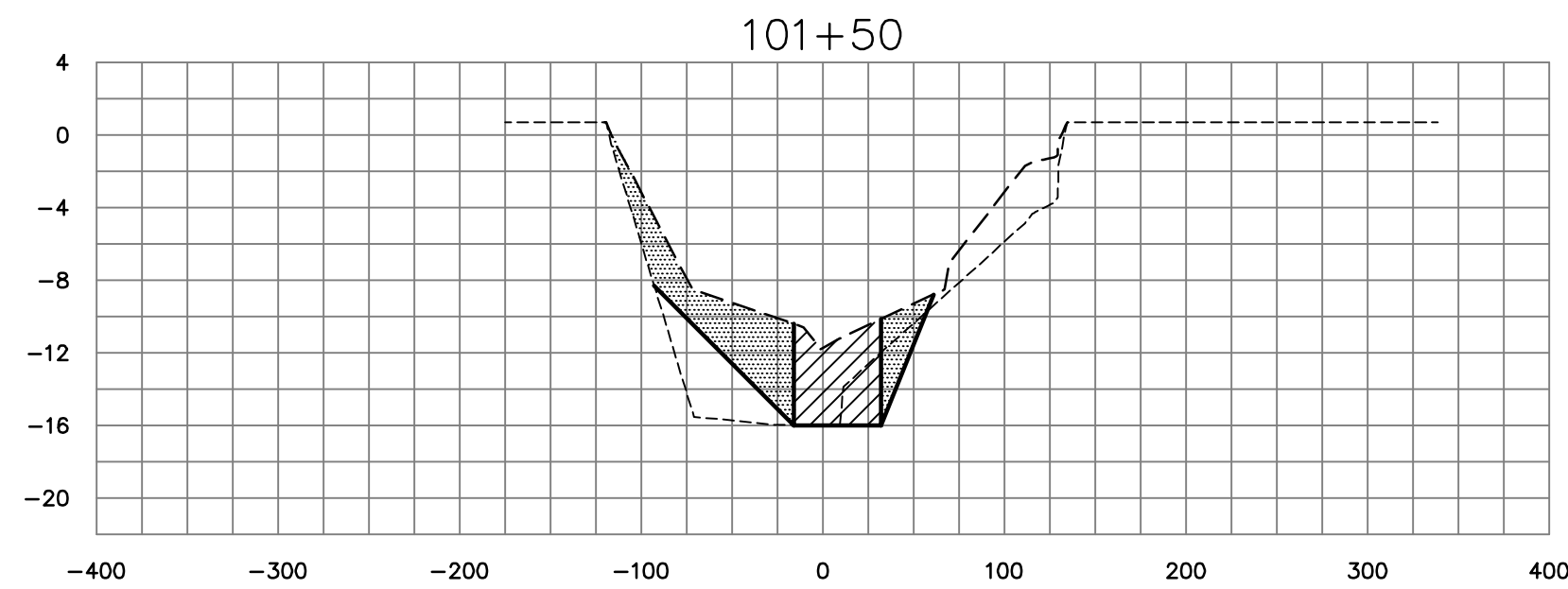
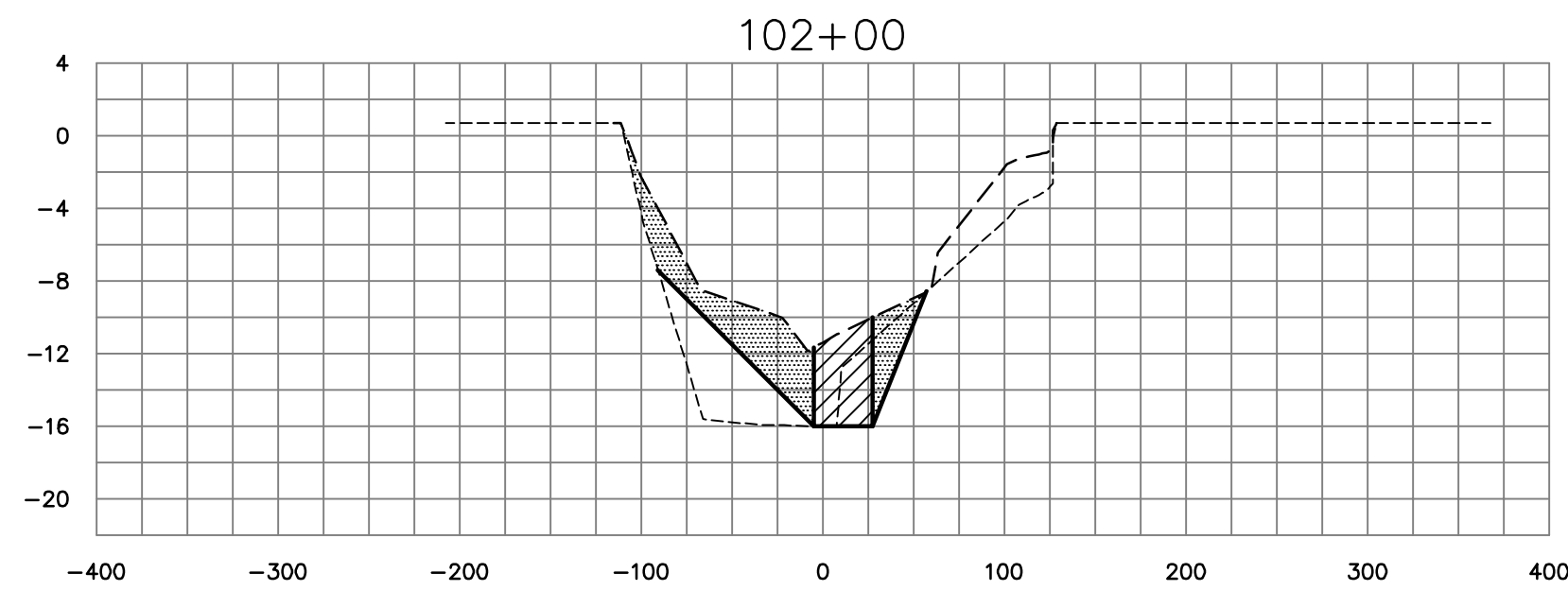
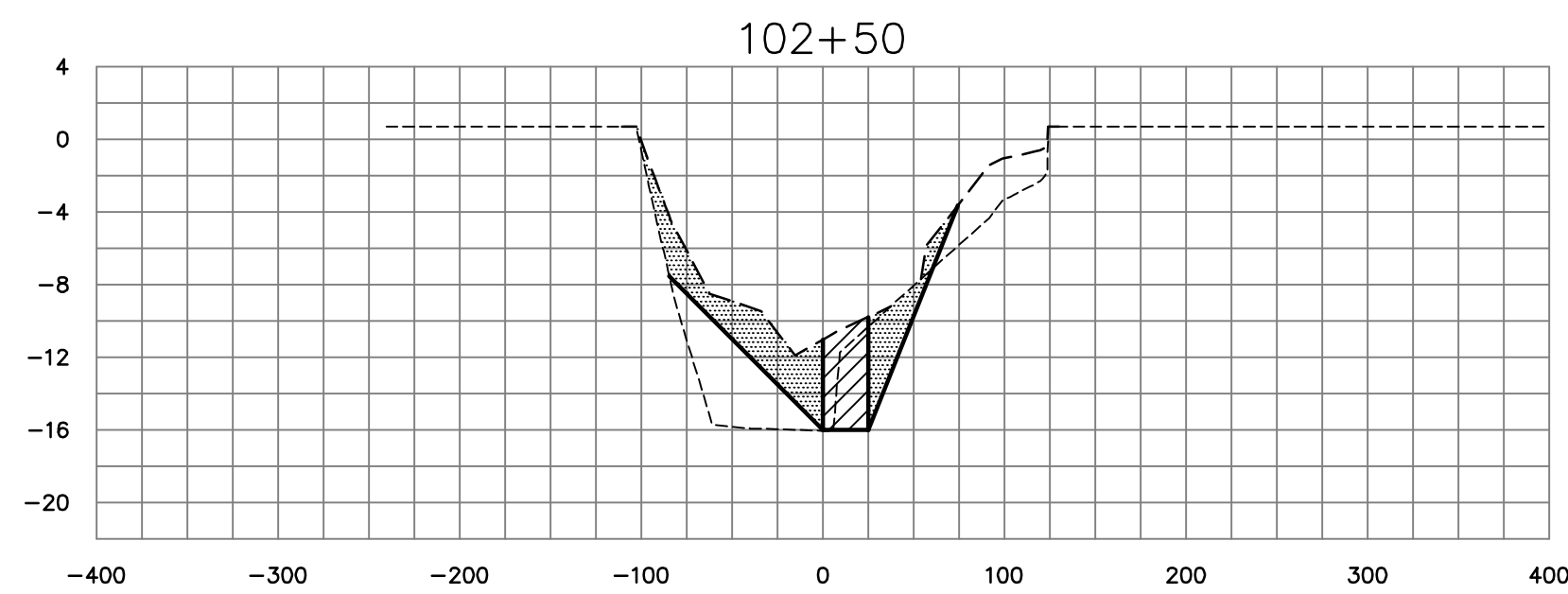
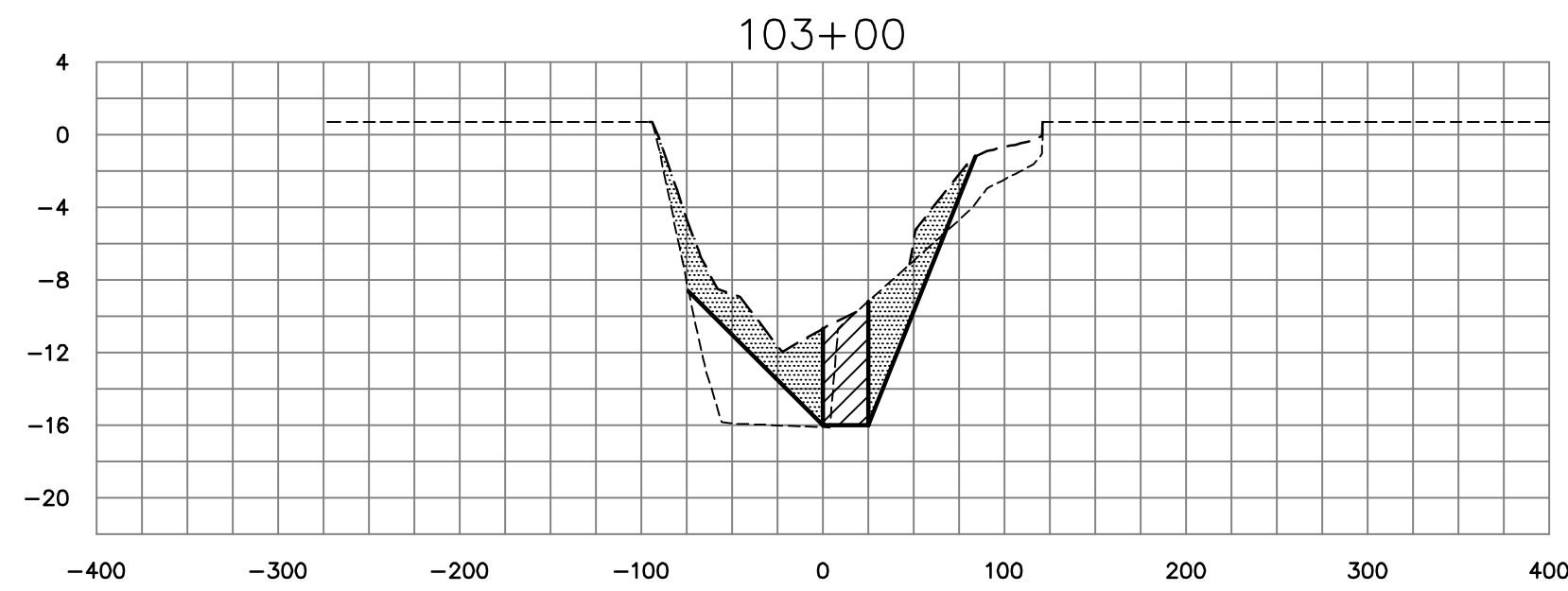
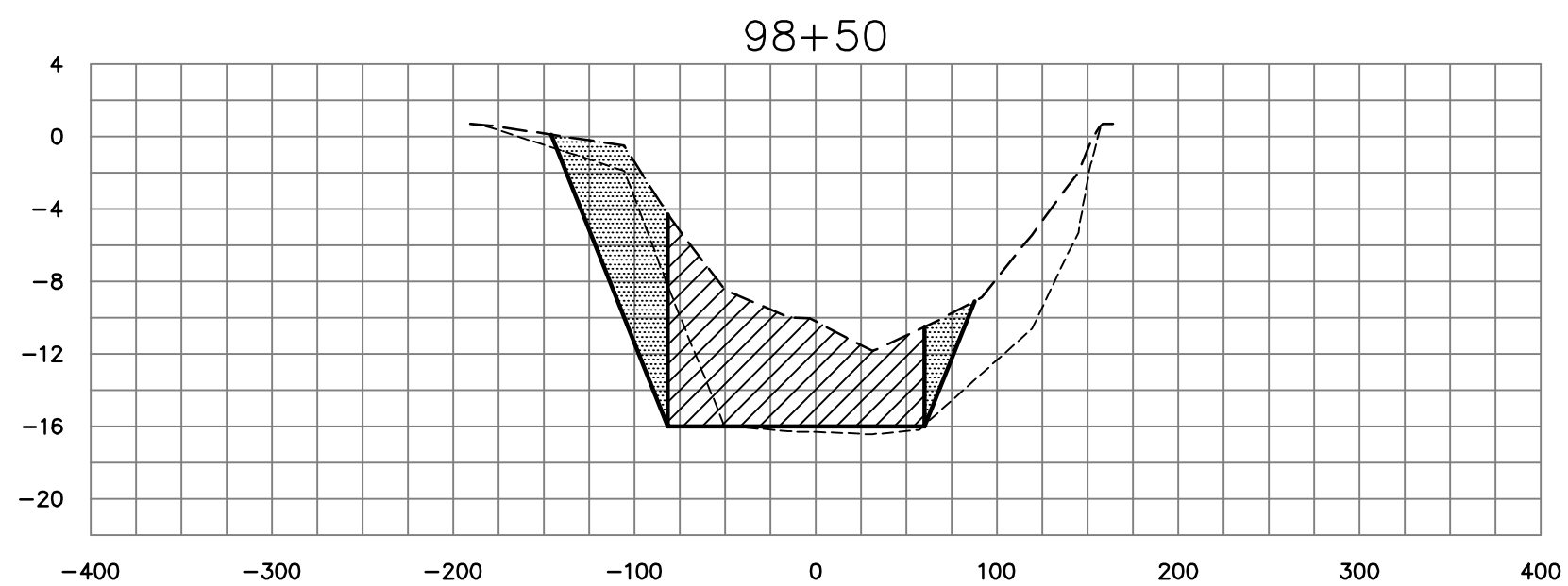
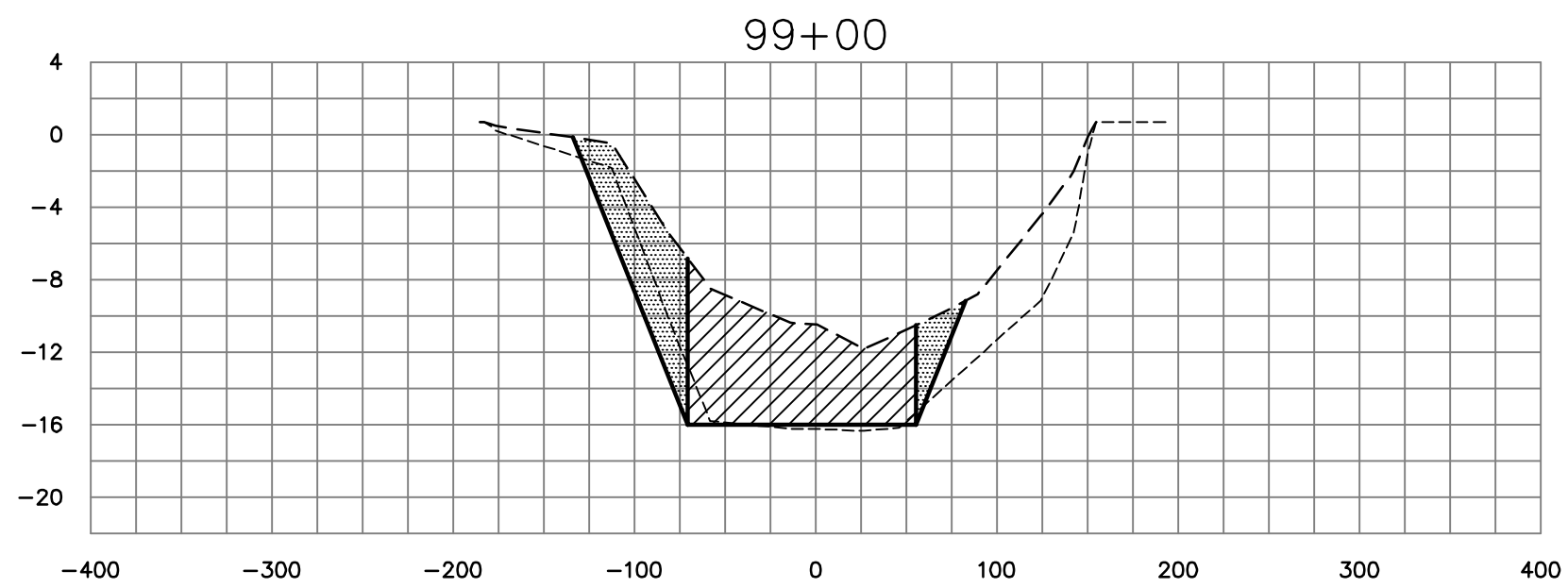
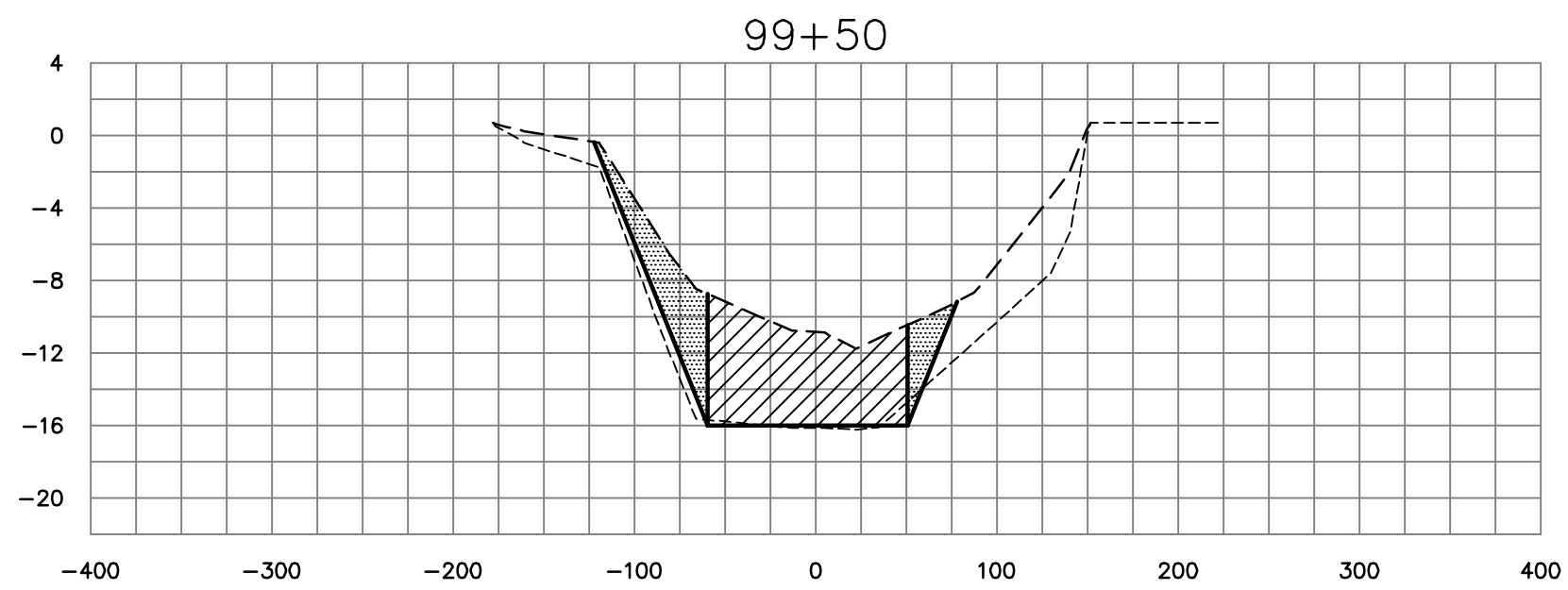
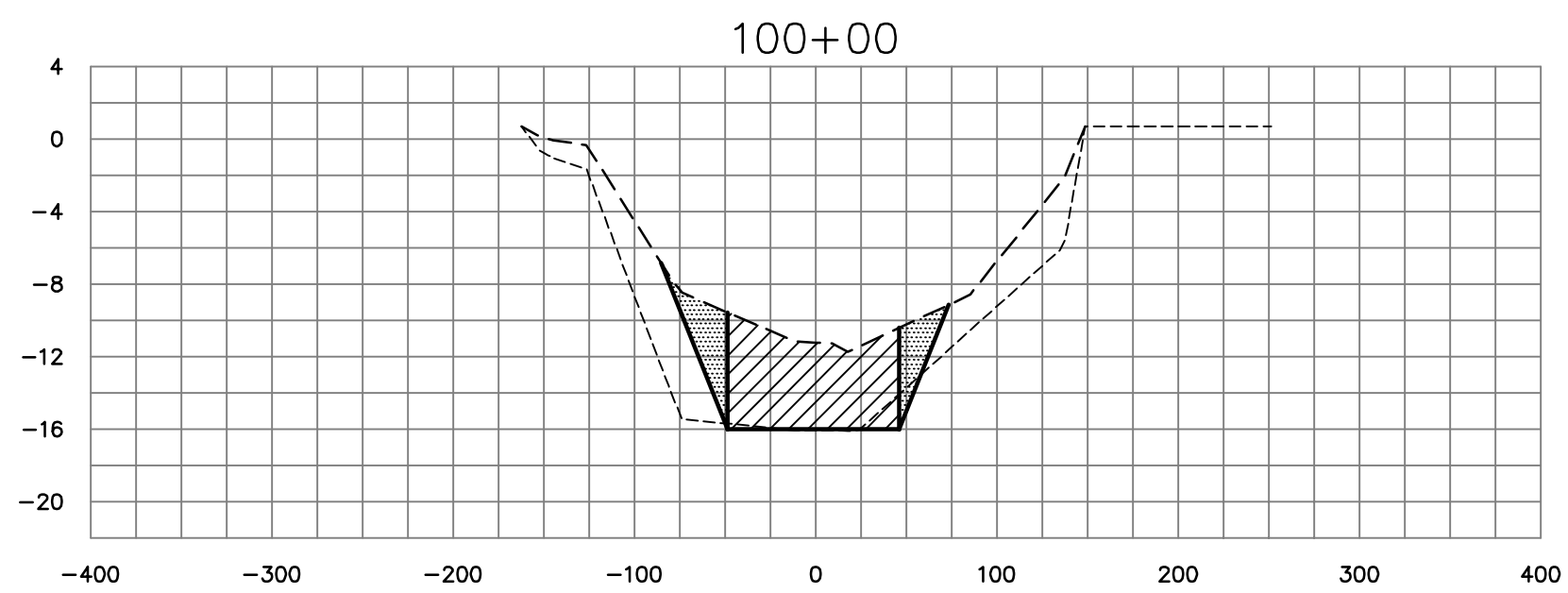
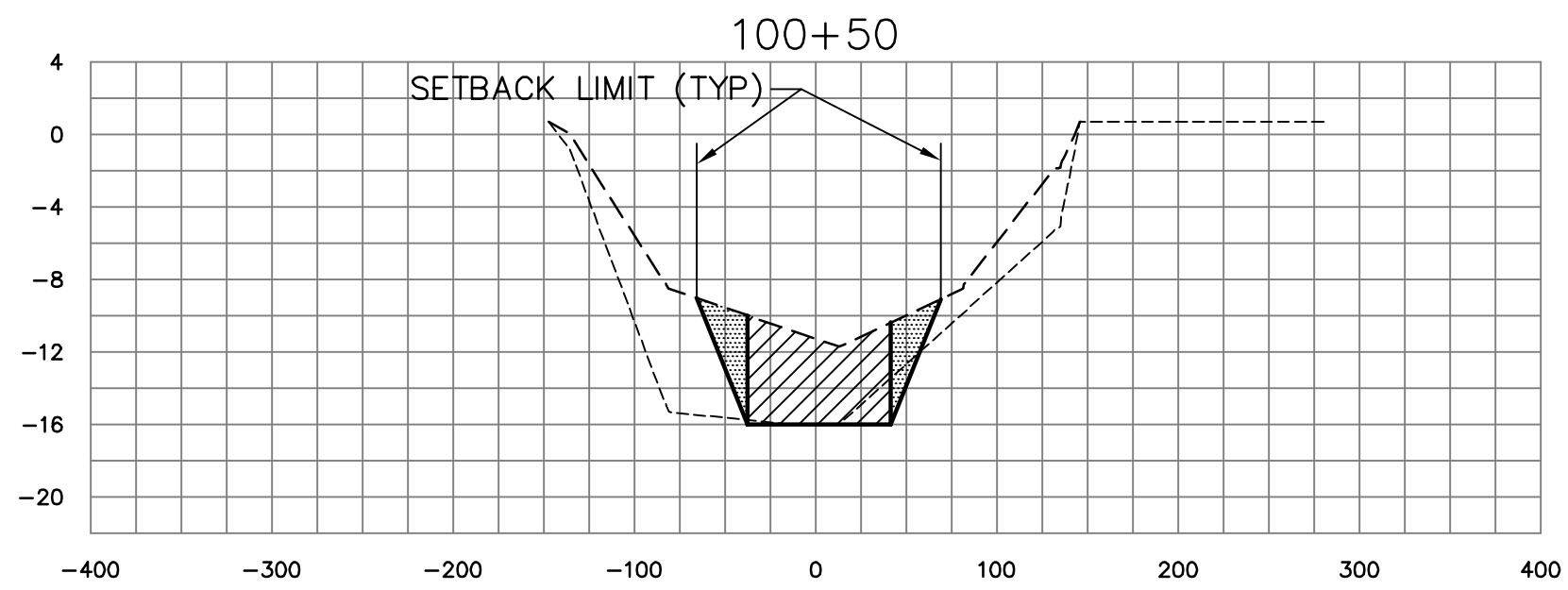
DATE JUNE 2005

SHEET 61 OF 67



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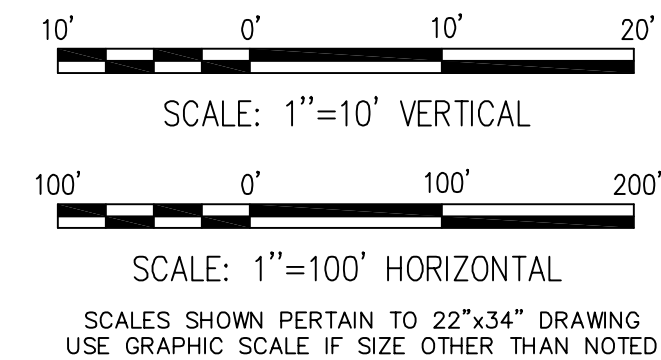
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C-54 CANAL CROSS SECTIONS

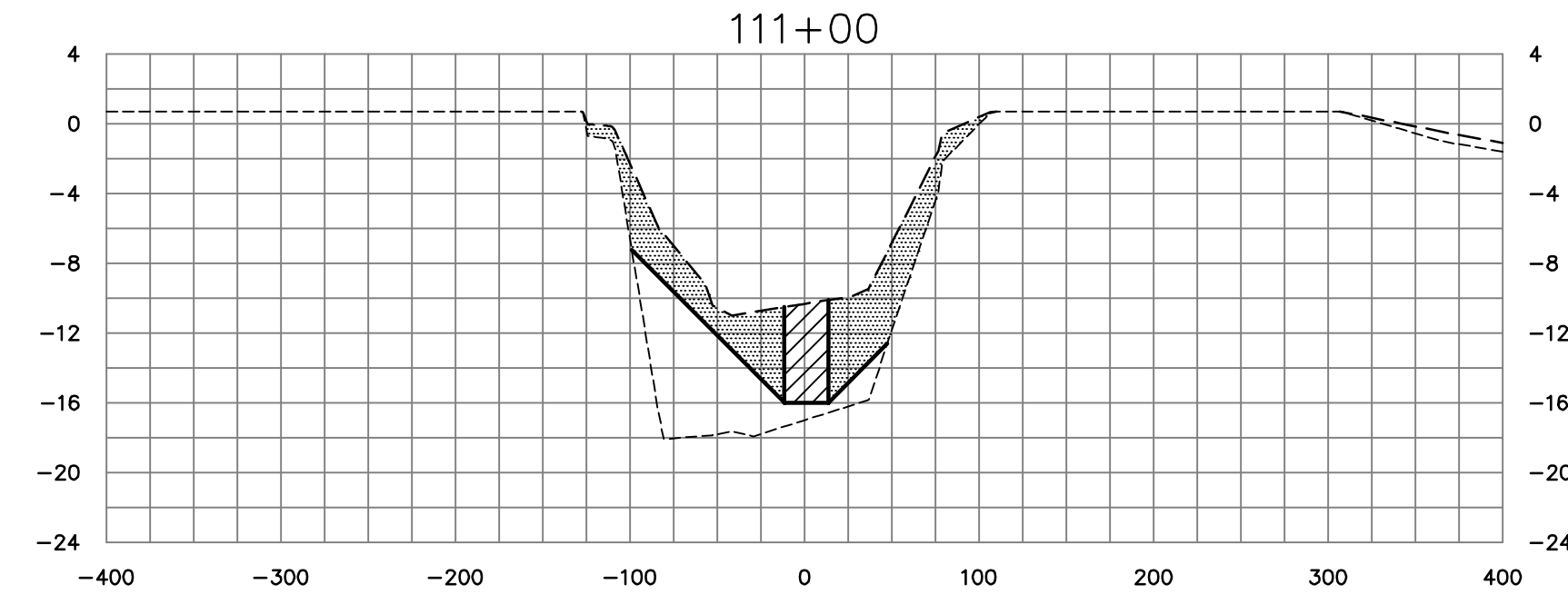
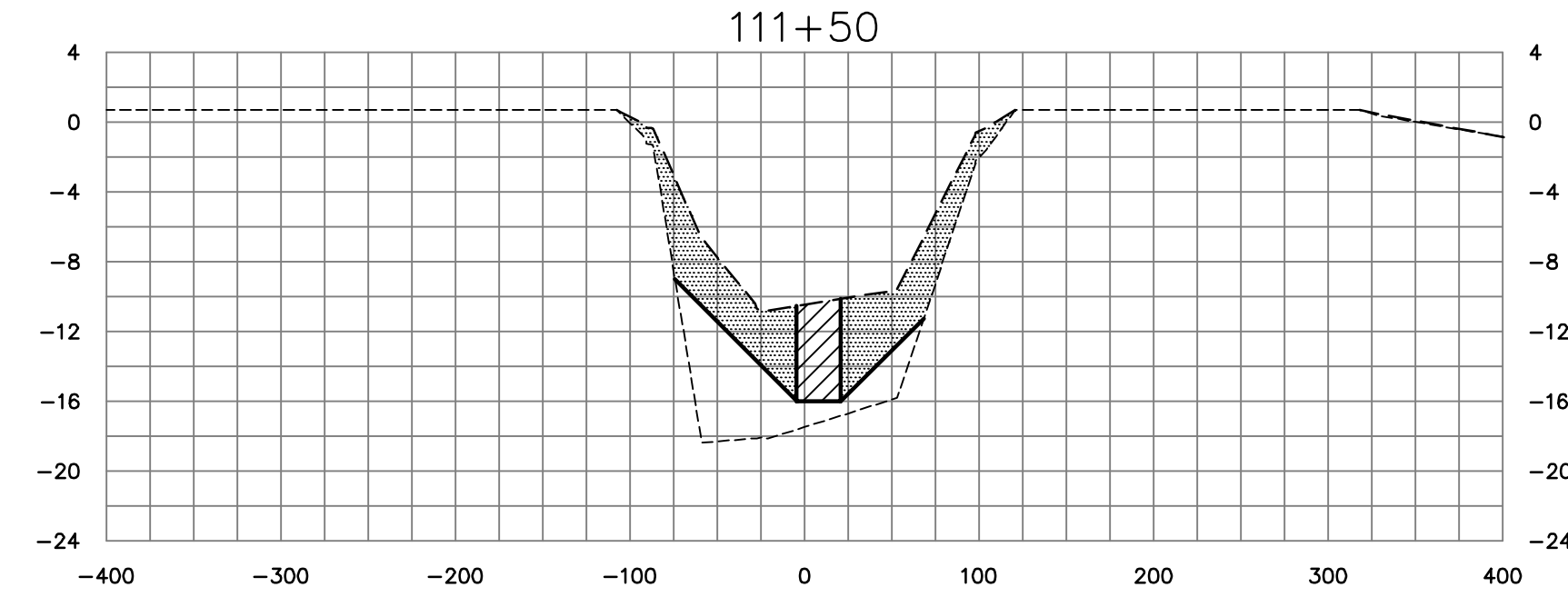
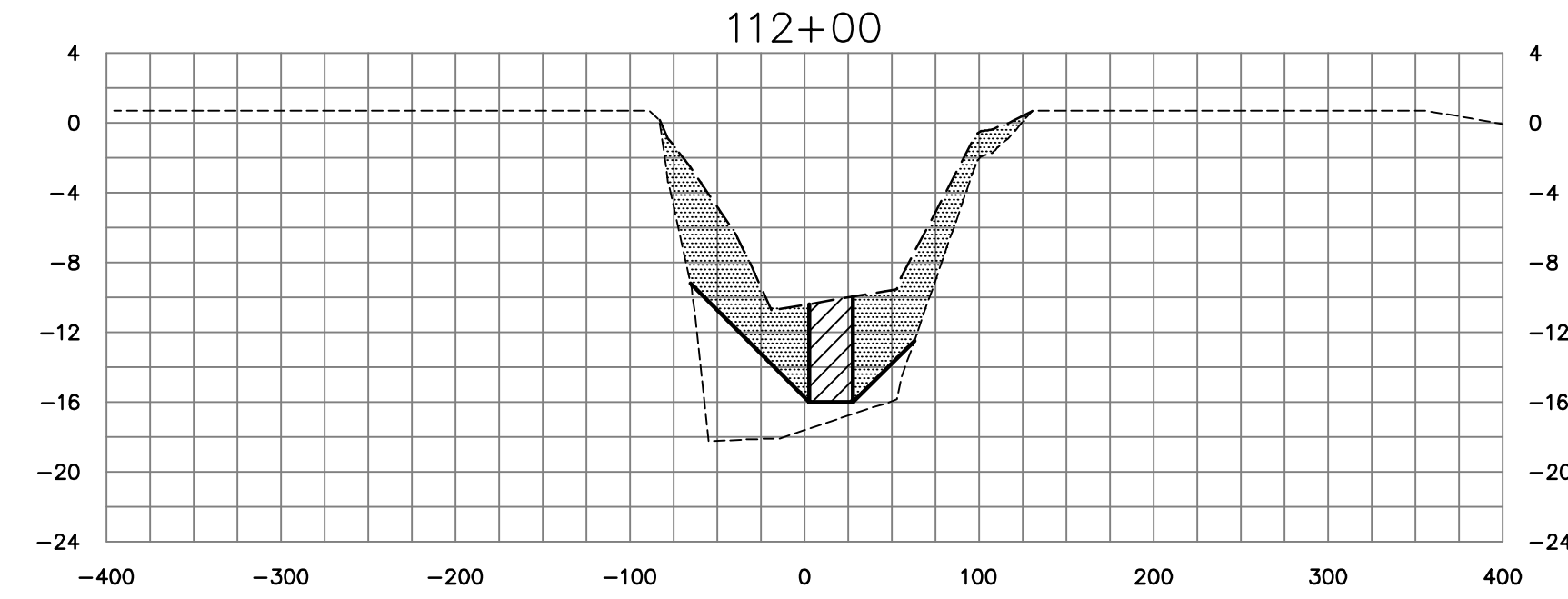
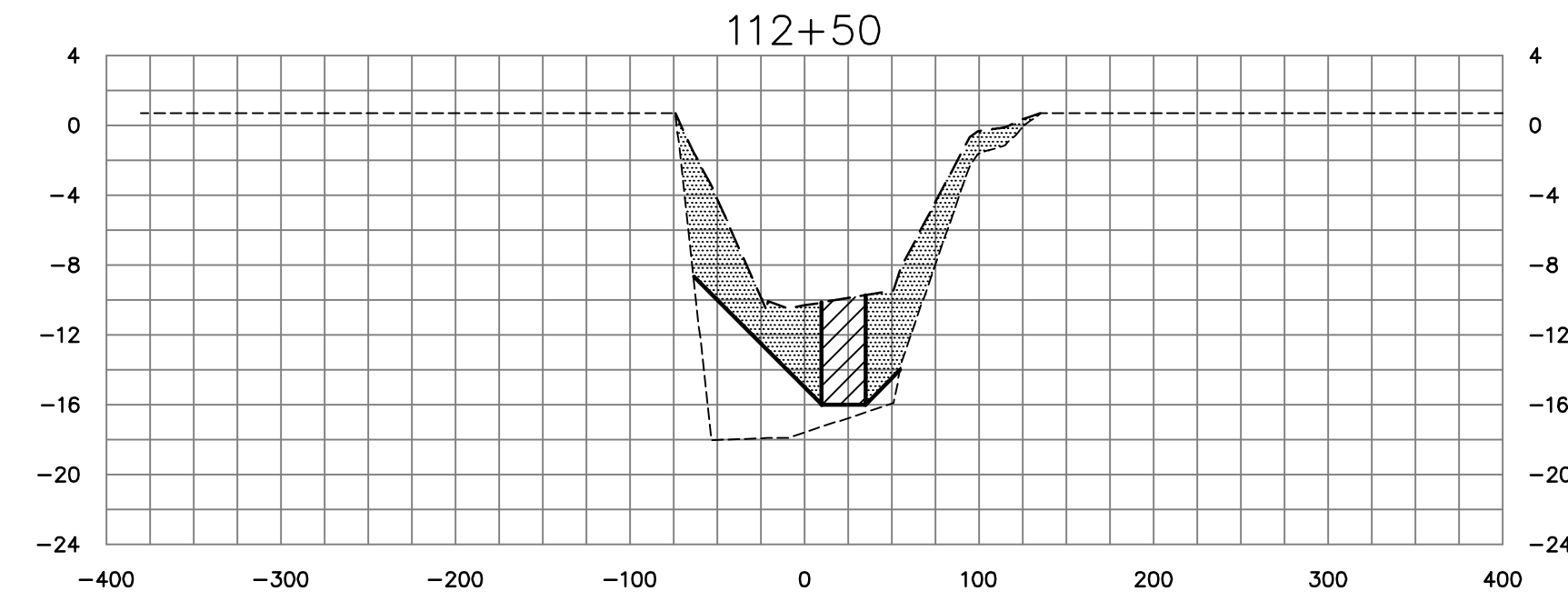
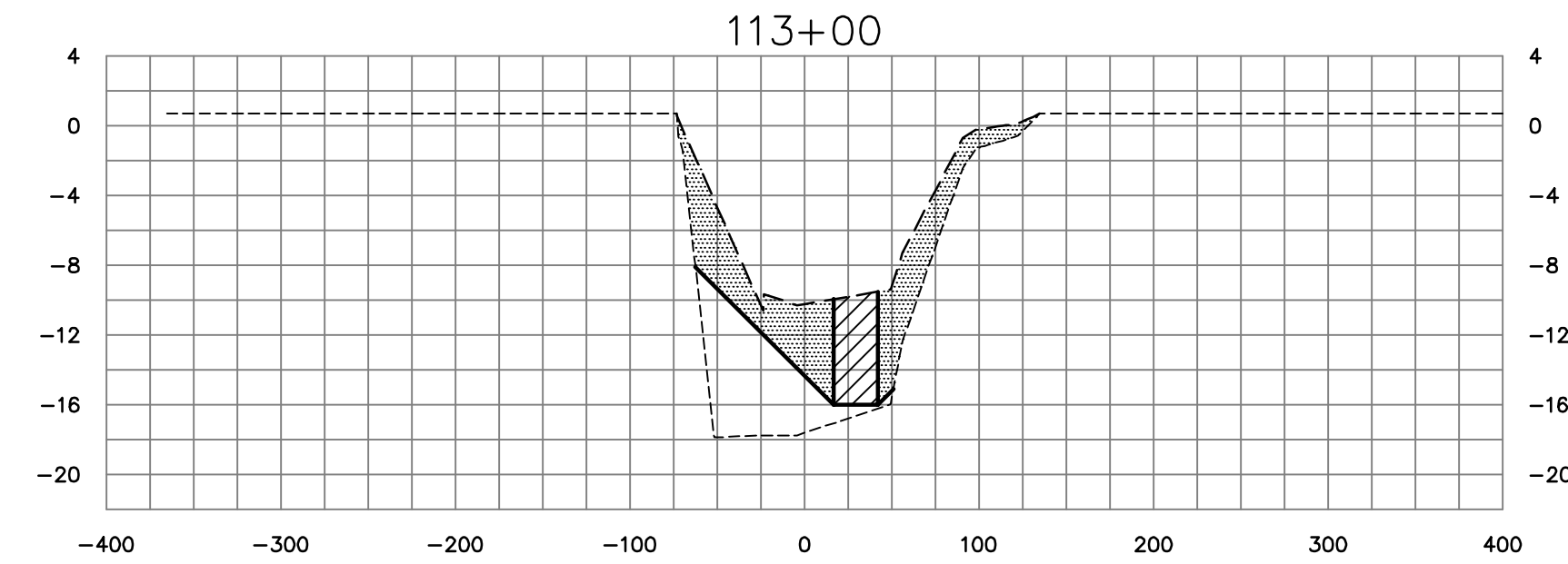
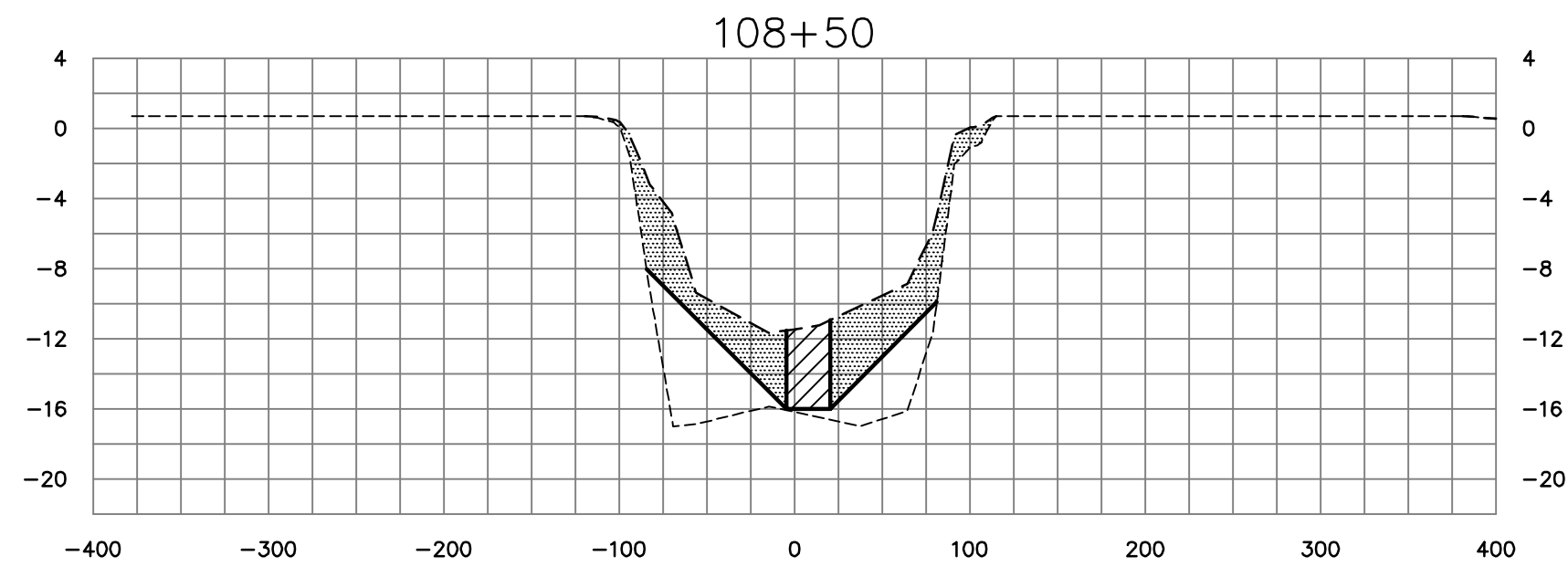
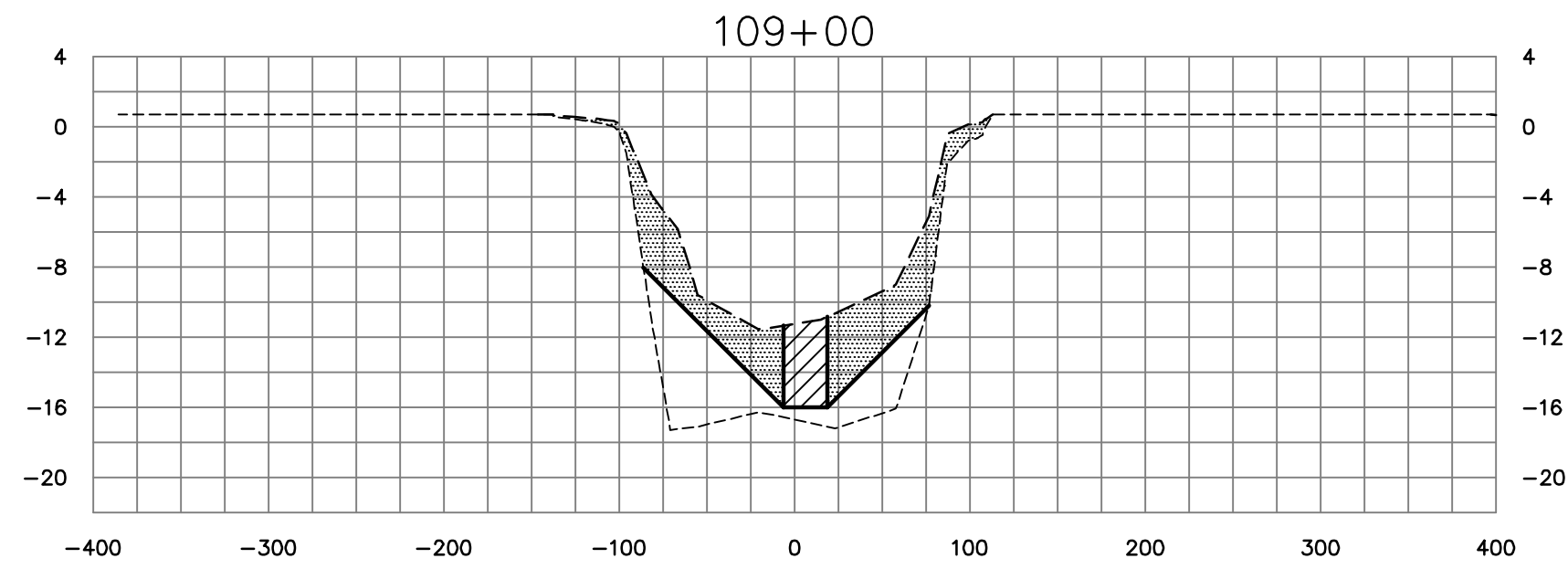
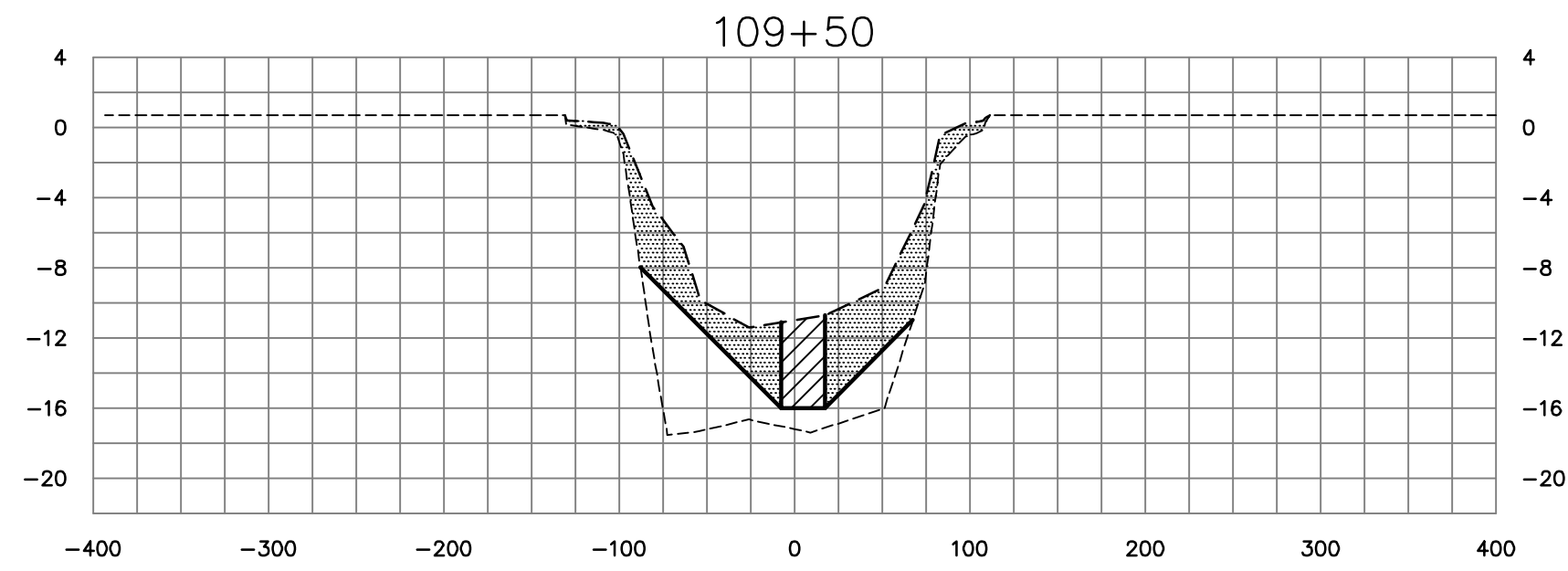
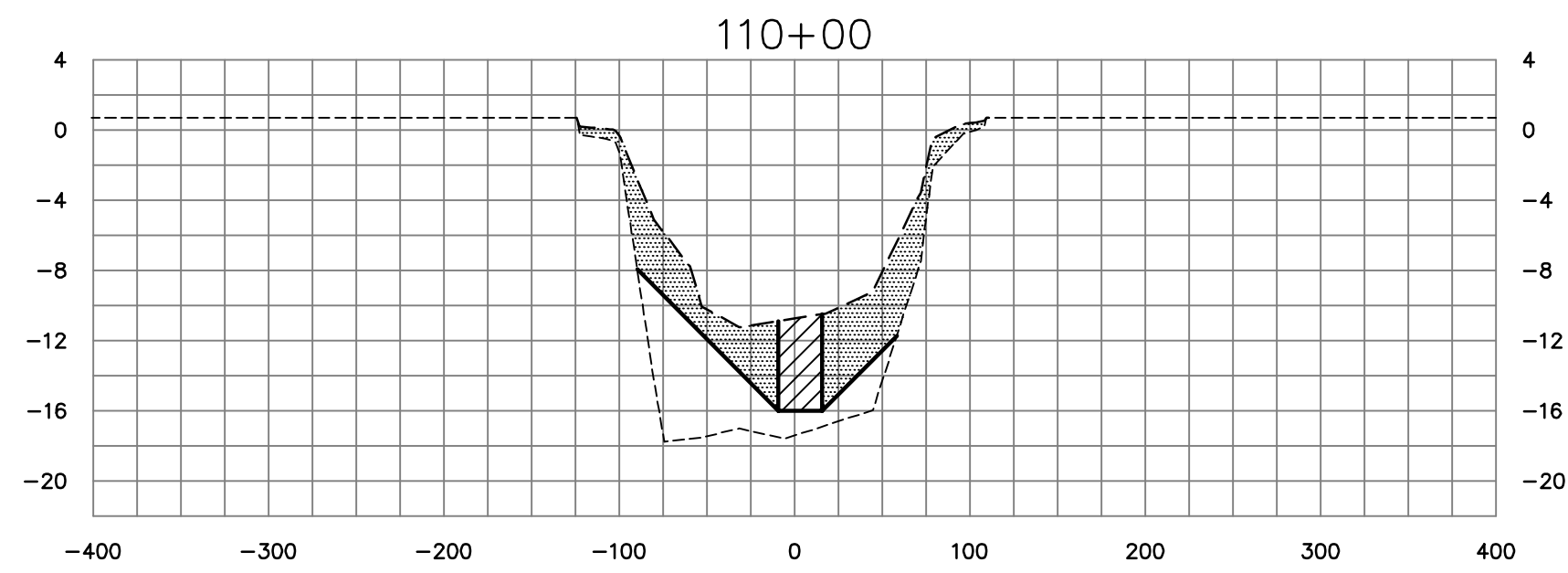
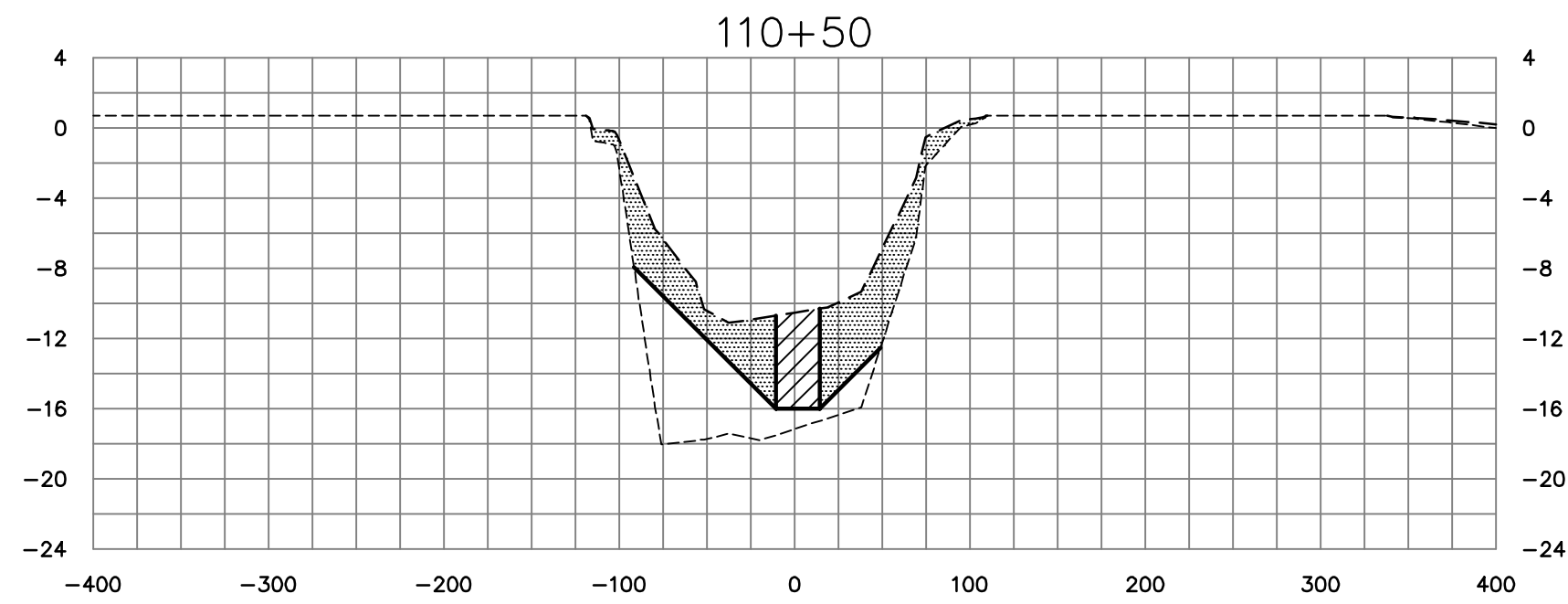
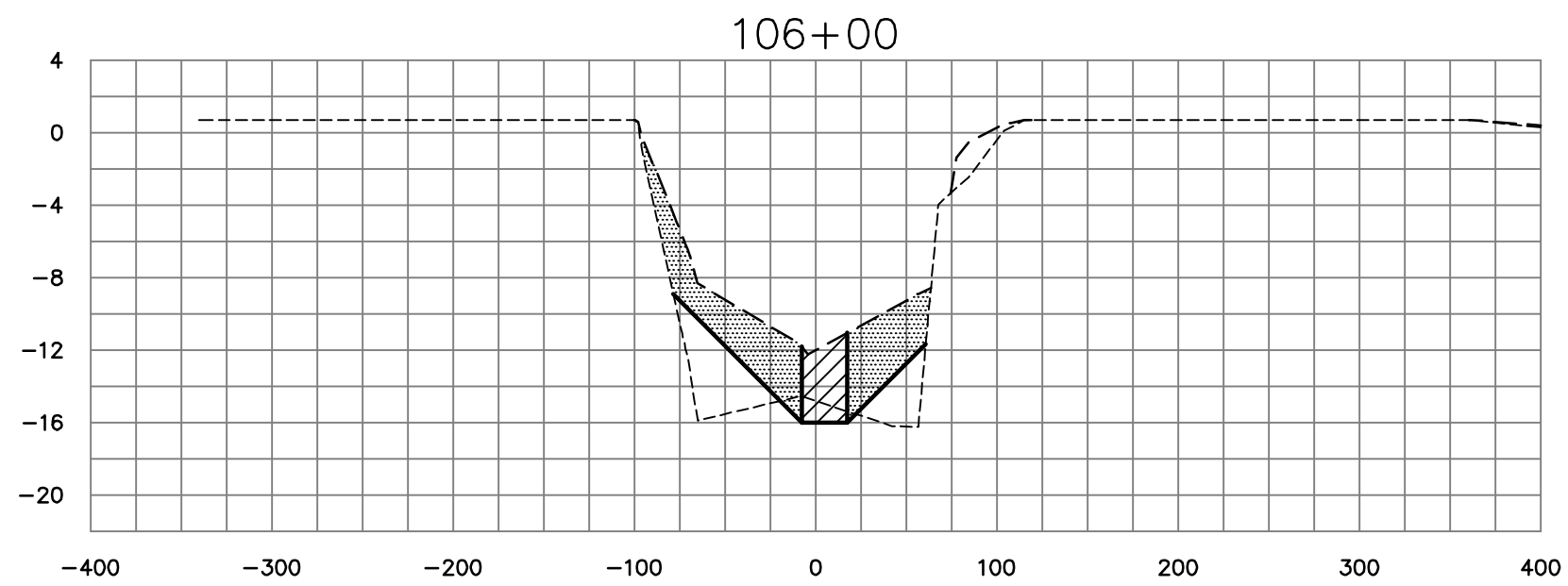
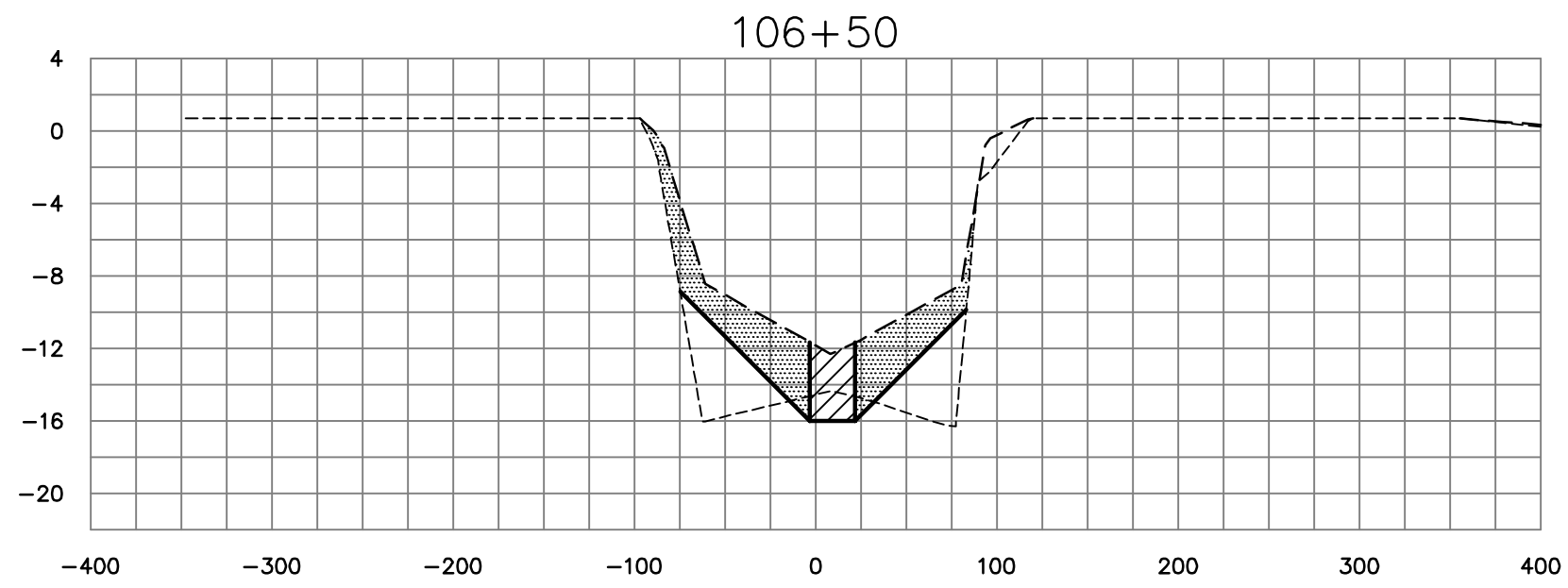
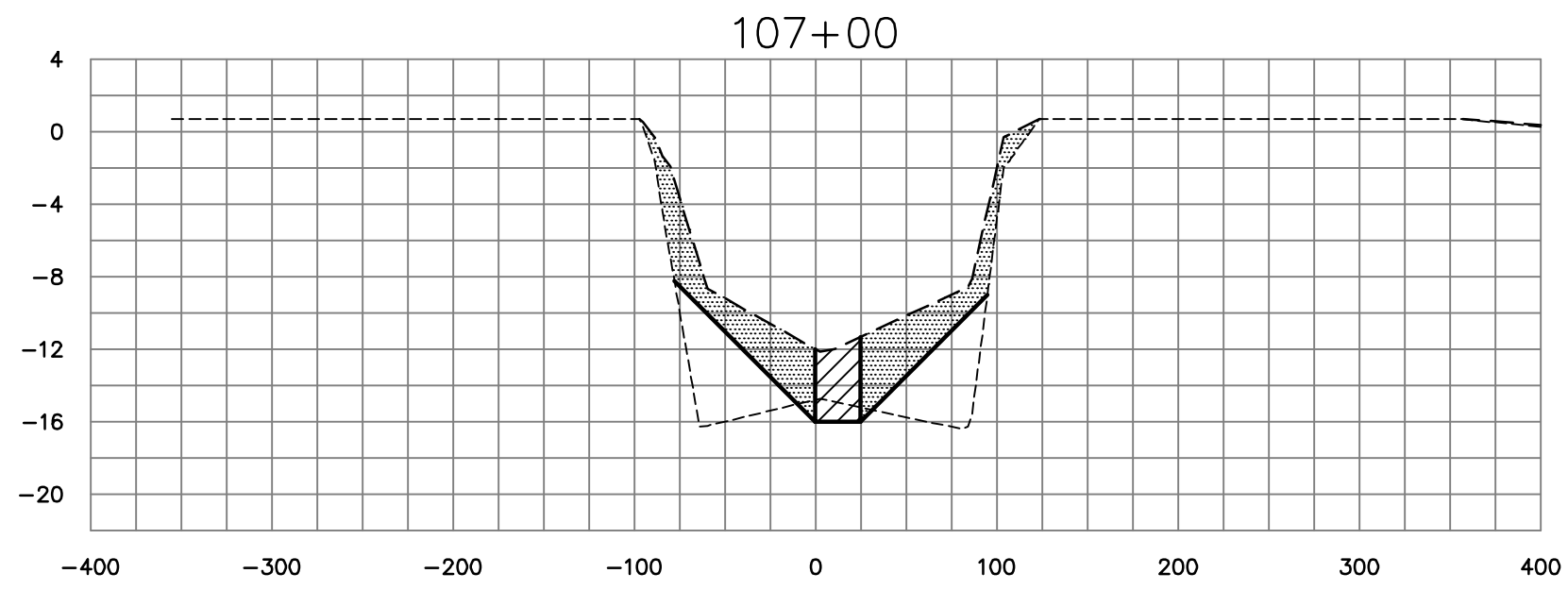
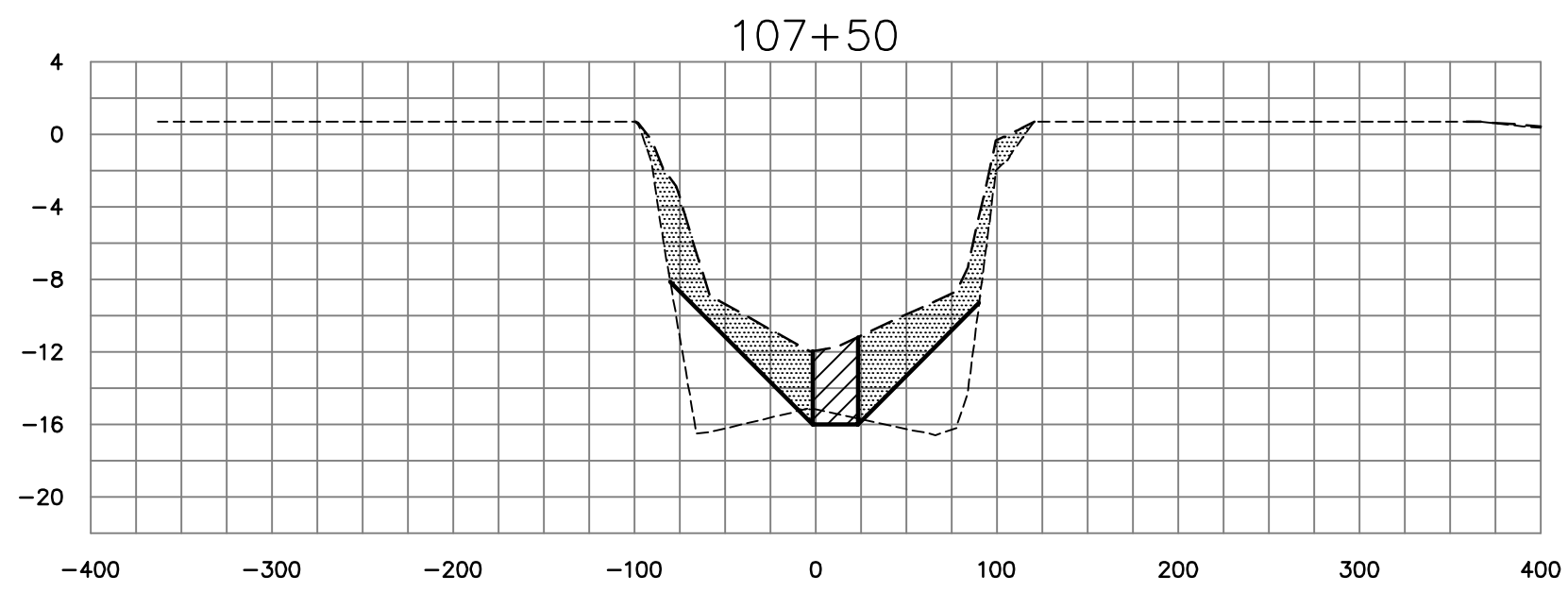
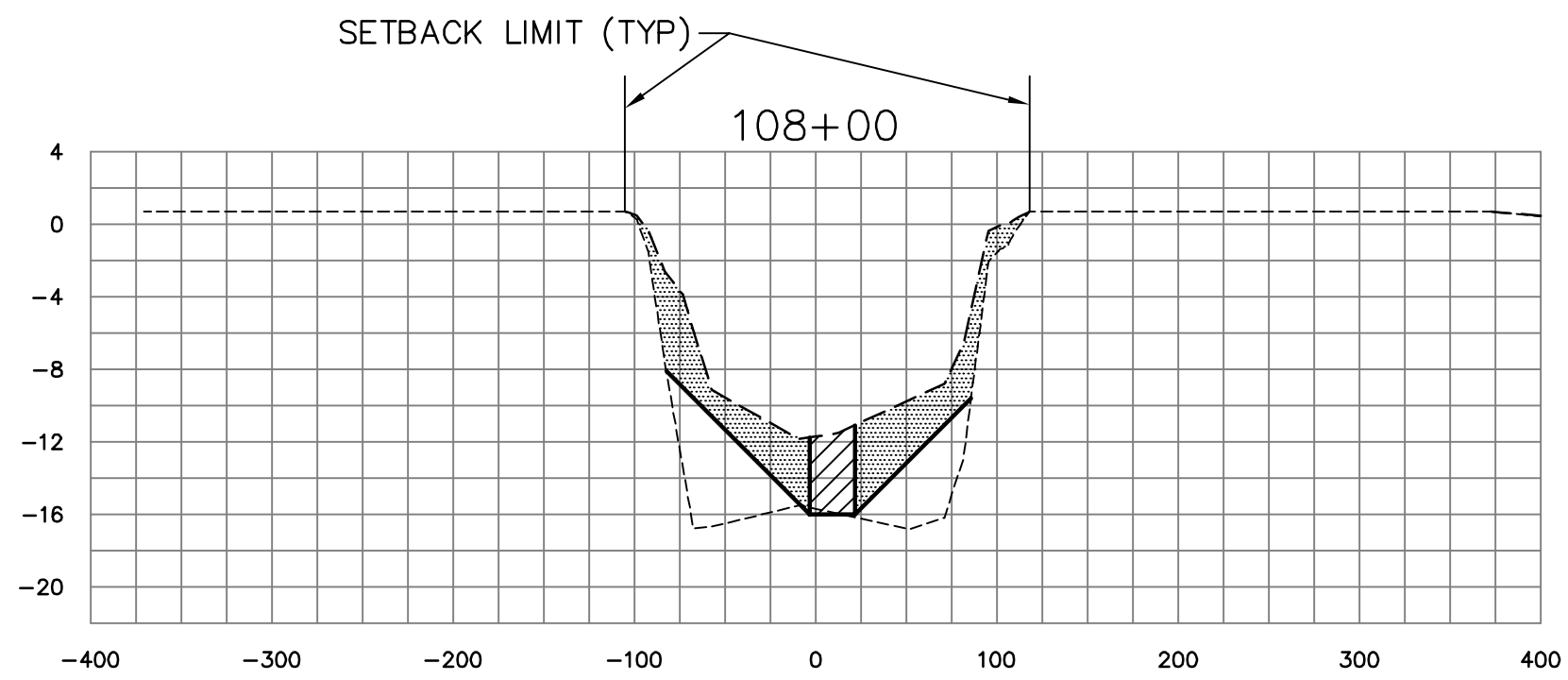
LEGEND

- APPROXIMATE PRE-MUCK SURFACE
- APPROXIMATE TOP OF MUCK SURFACE
- ////// DENOTES BOXCUT DREDGE AREA
- DENOTES ANTICIPATED MUCK SLOUGHING AREA



ST JOHNS RIVER WATER MANAGEMENT DISTRICT SEBASTIAN RIVER MUCK REMOVAL SEBASTIAN, FLORIDA		DREDGE CROSS SECTIONS SHEET 46 OF 51	
MOFFATT & NICHOL 1509 W. SWANN AVE. SUITE 225 TAMPA, FLORIDA 33606 (813)258-8818		CHK MP	TITLE
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SHEET 62 OF 67			
XS46			

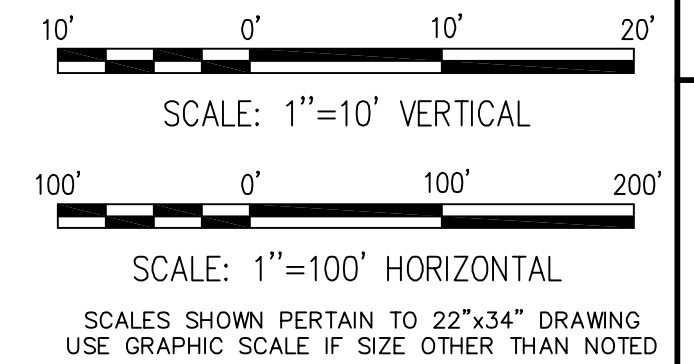
DWG. INFO: 46420X5047.DWG, JUN 23 2005 - 09:11 AM, CSABING, (C) MOFFATT AND NICHOL



C-54 CANAL CROSS SECTIONS

LEGEND

- APPROXIMATE PRE-MUCK SURFACE
- APPROXIMATE TOP OF MUCK SURFACE
-  DENOTES BOXCUT DREDGE AREA
-  DENOTES ANTICIPATED MUCK SLOUGHING AREA



ST JOHNS RIVER WATER MANAGEMENT DISTRICT
SEBASTIAN RIVER MUCK REMOVAL
SEBASTIAN, FLORIDA



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(813)258-8818

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JOB NO. 4642-04			

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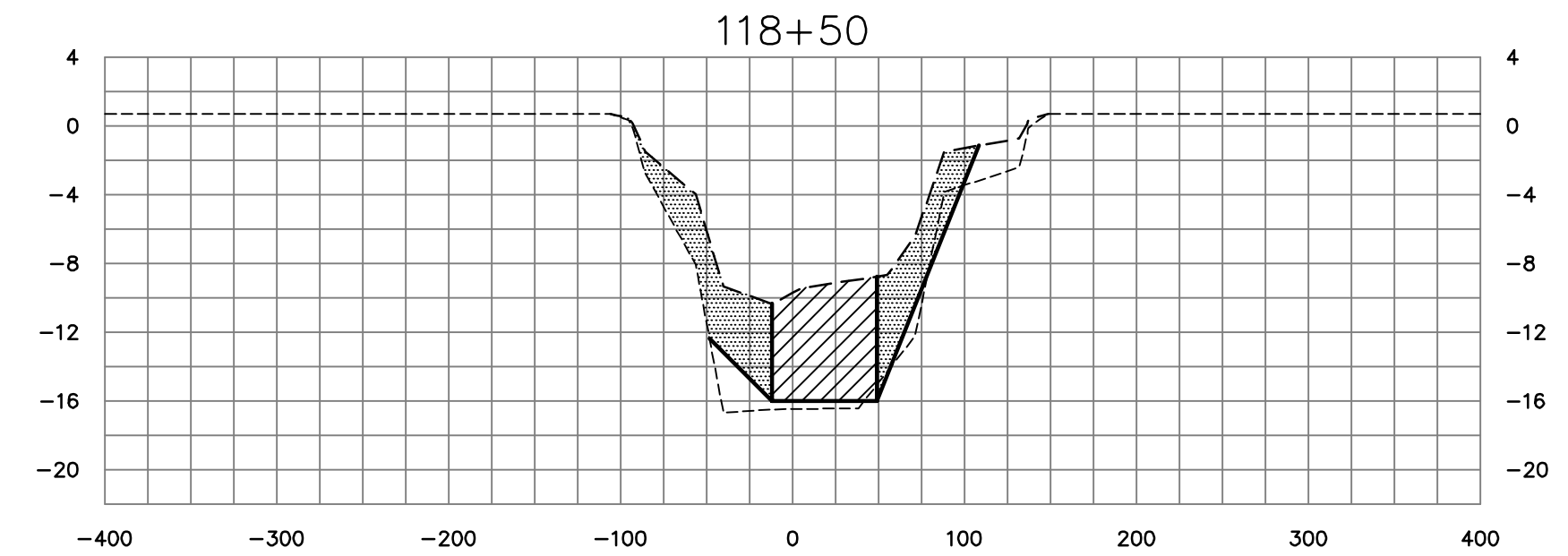
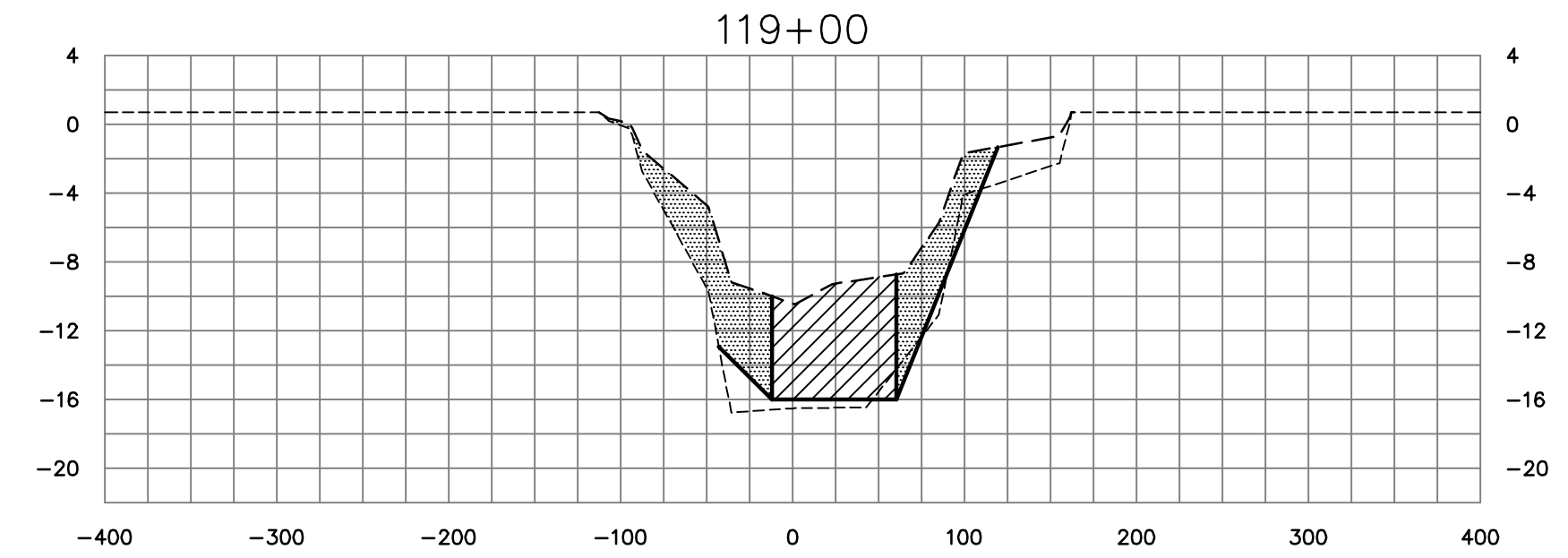
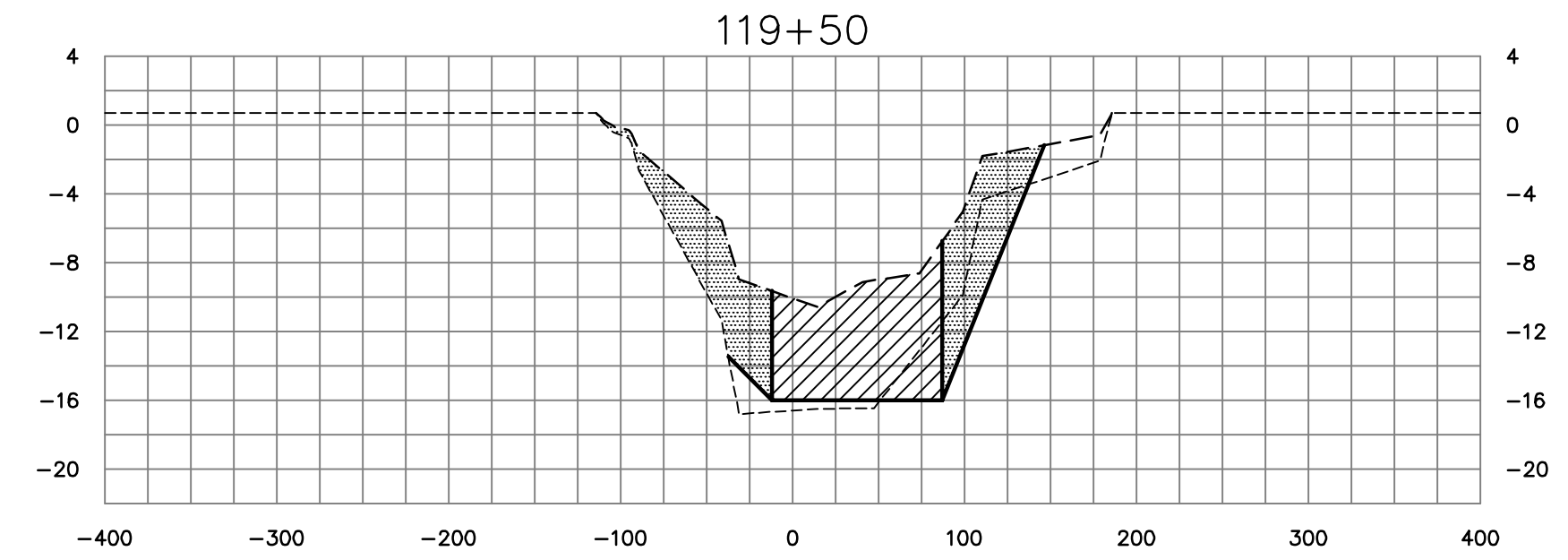
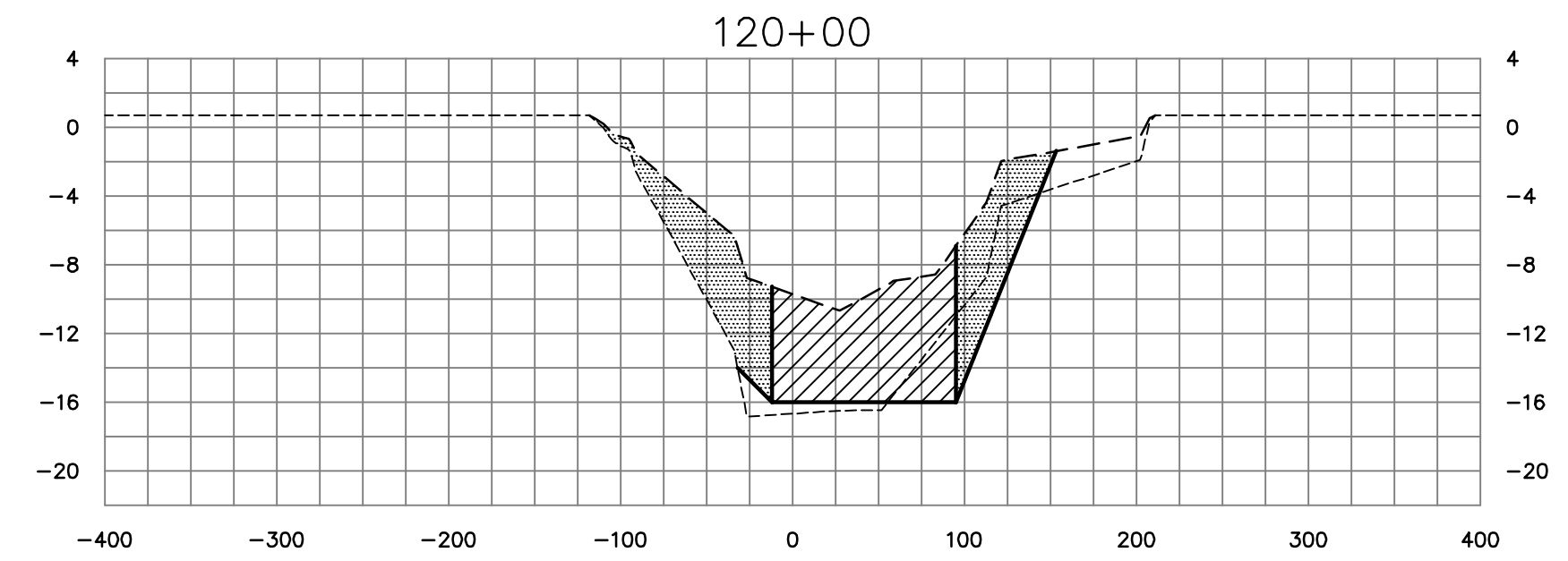
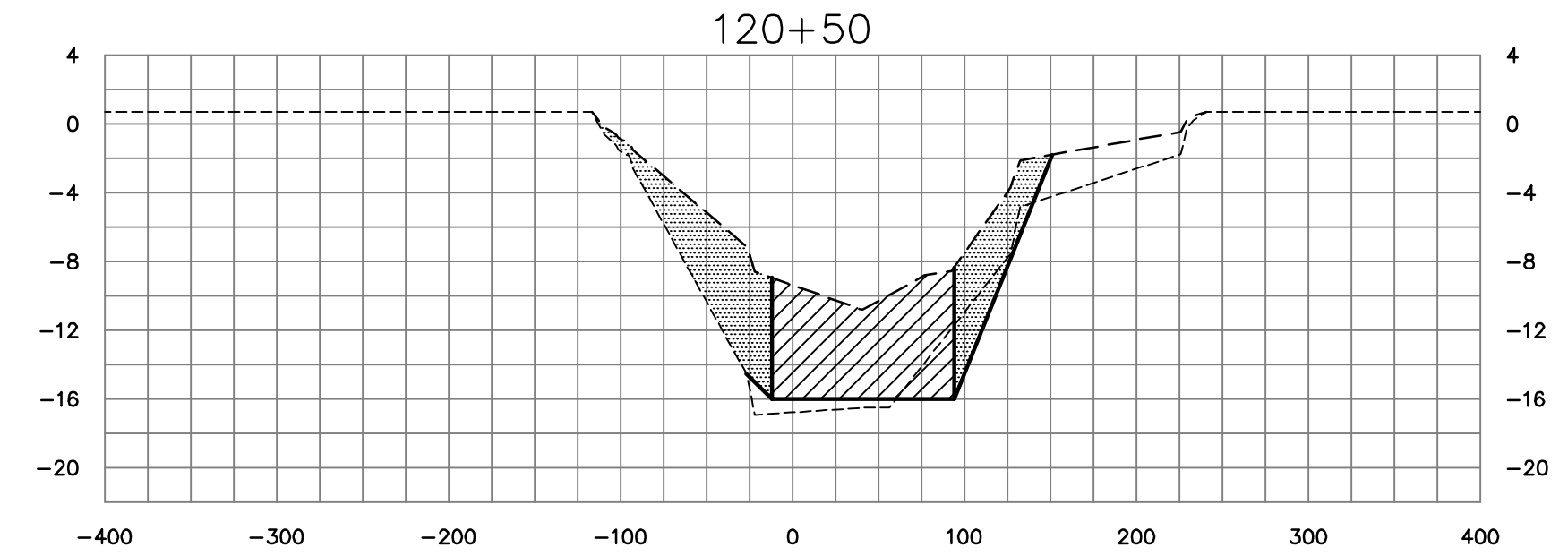
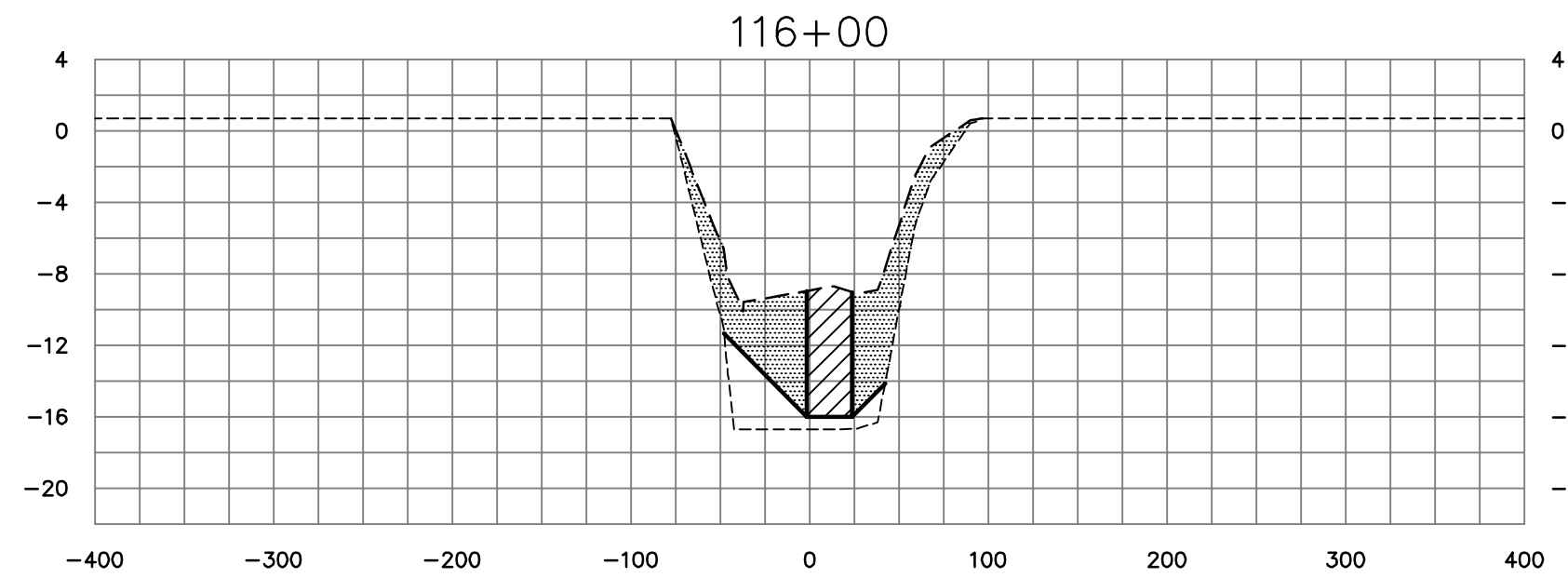
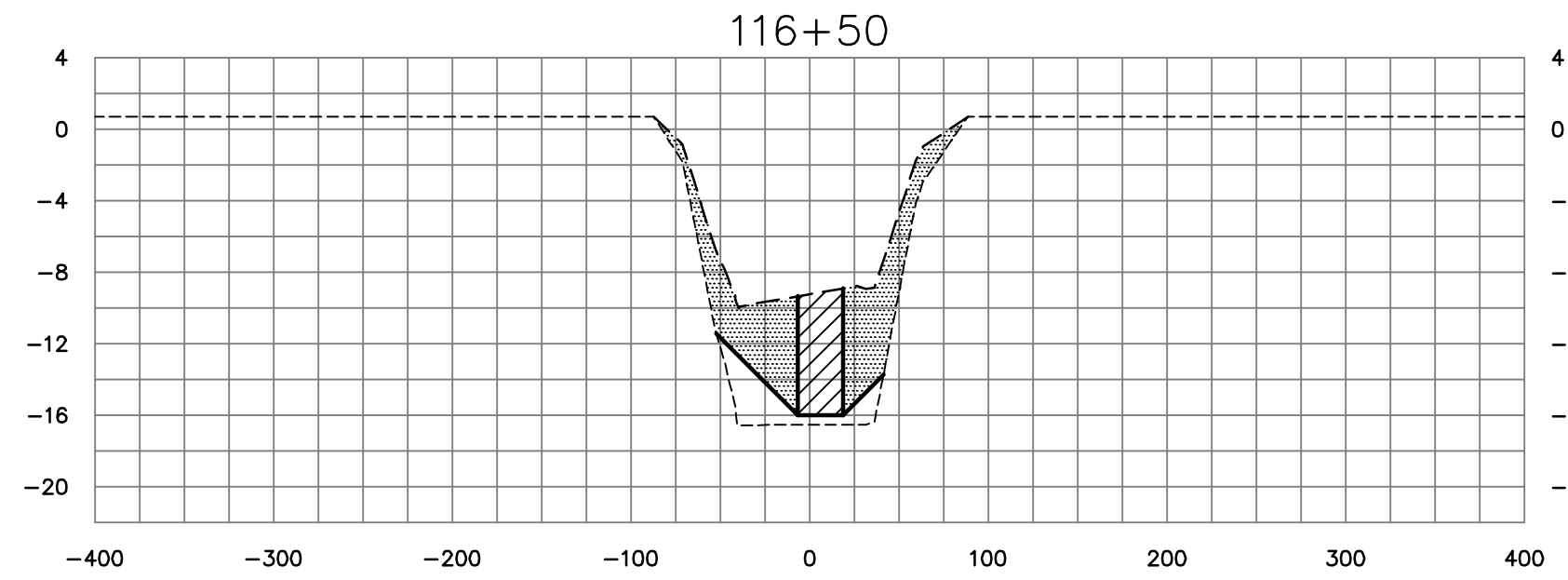
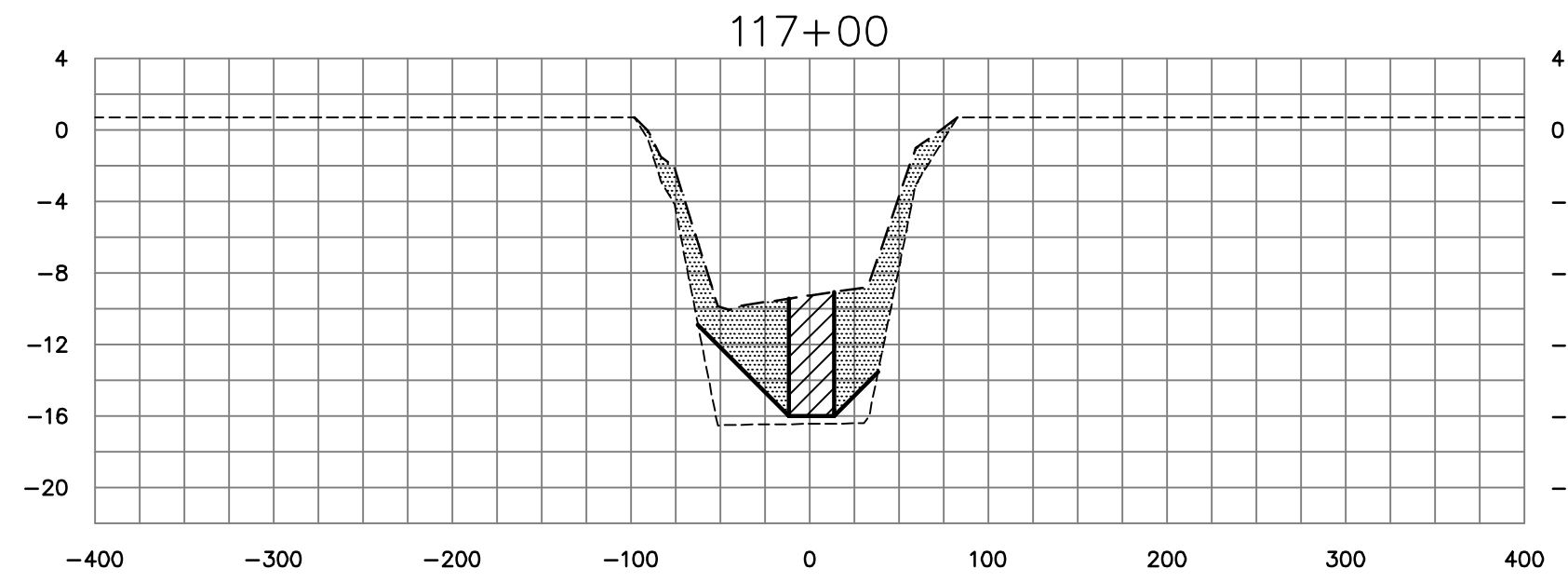
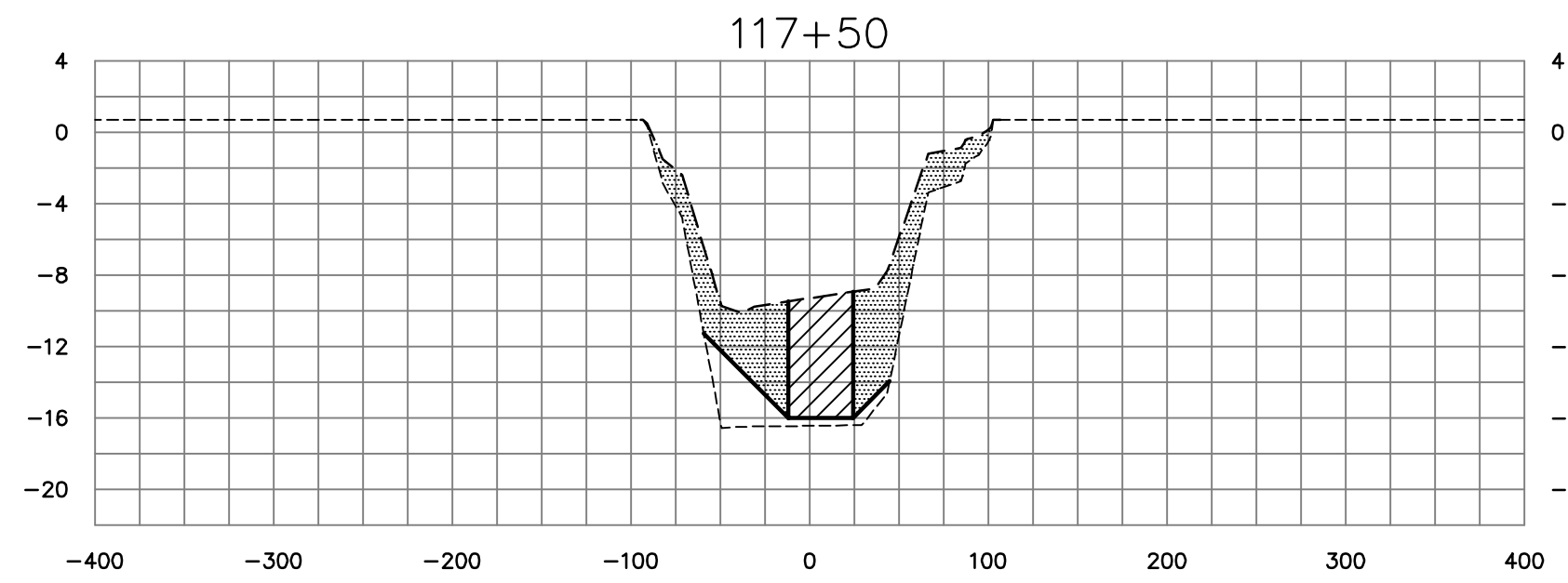
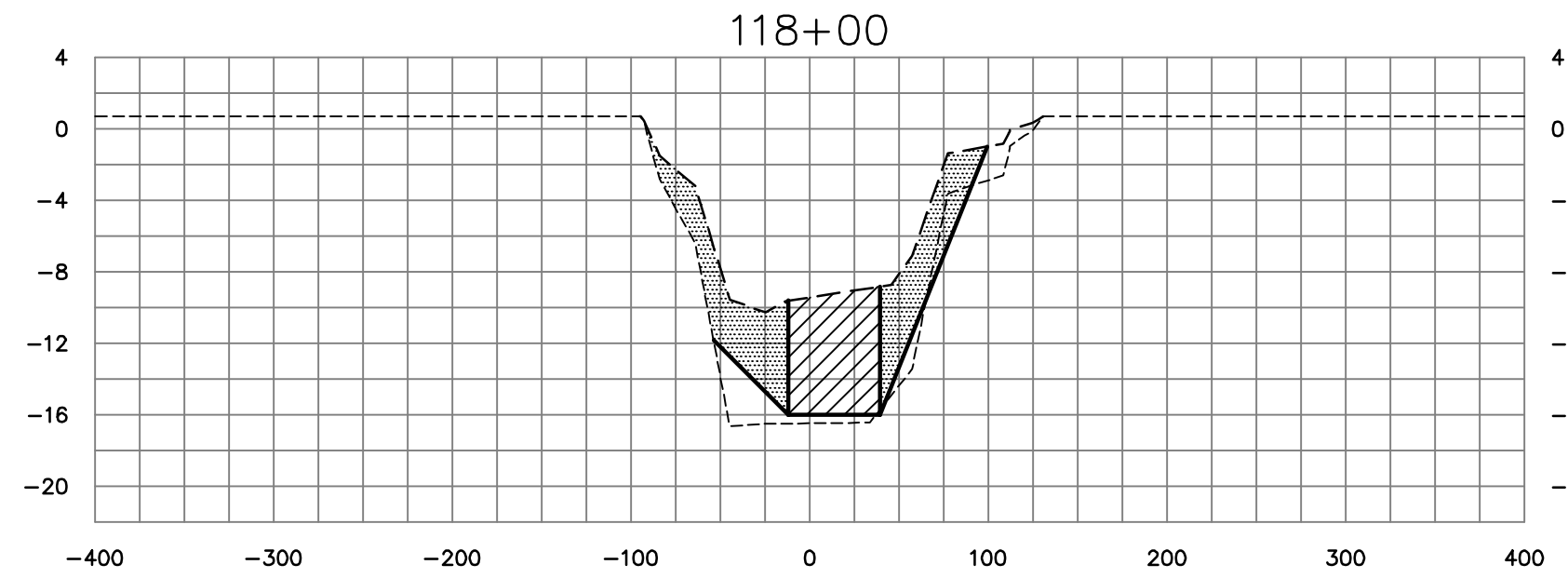
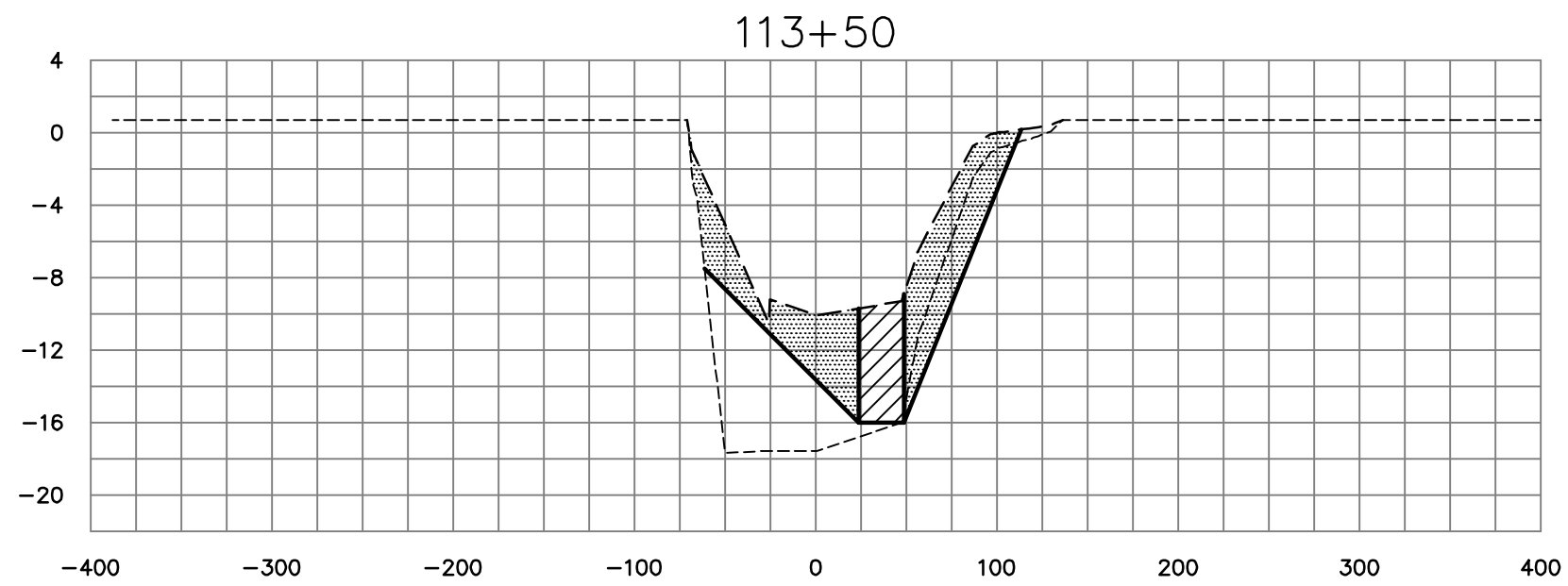
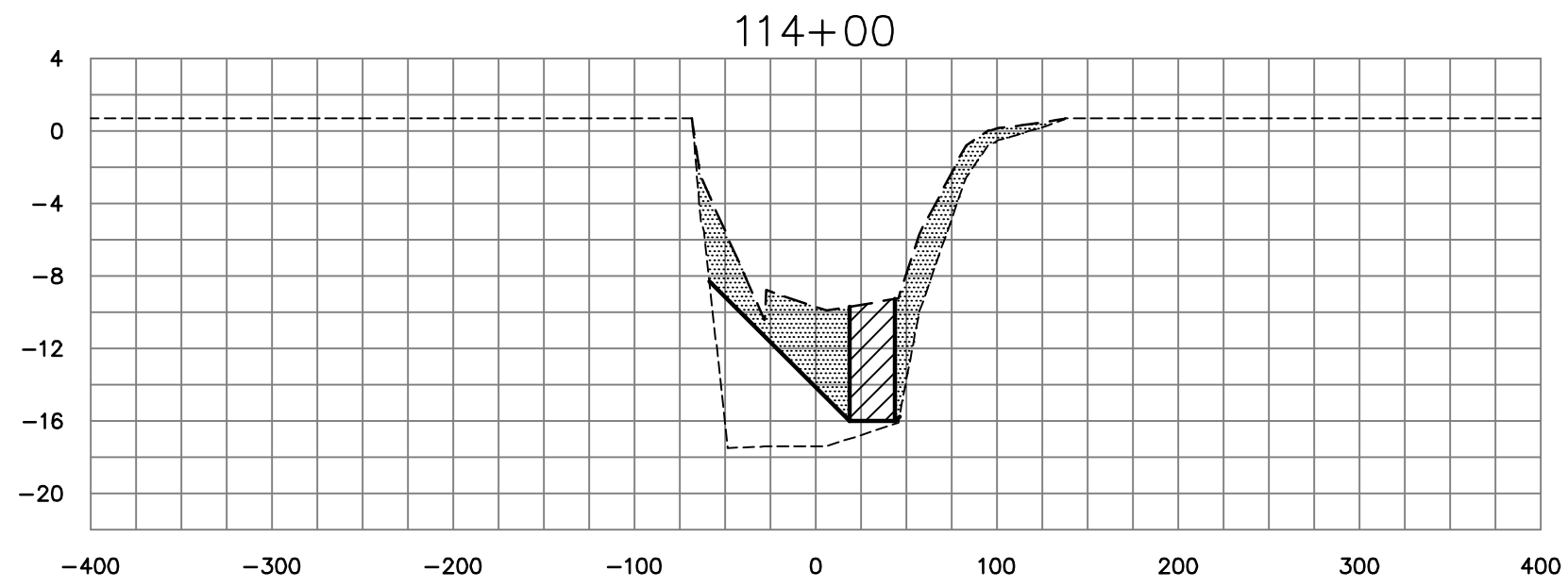
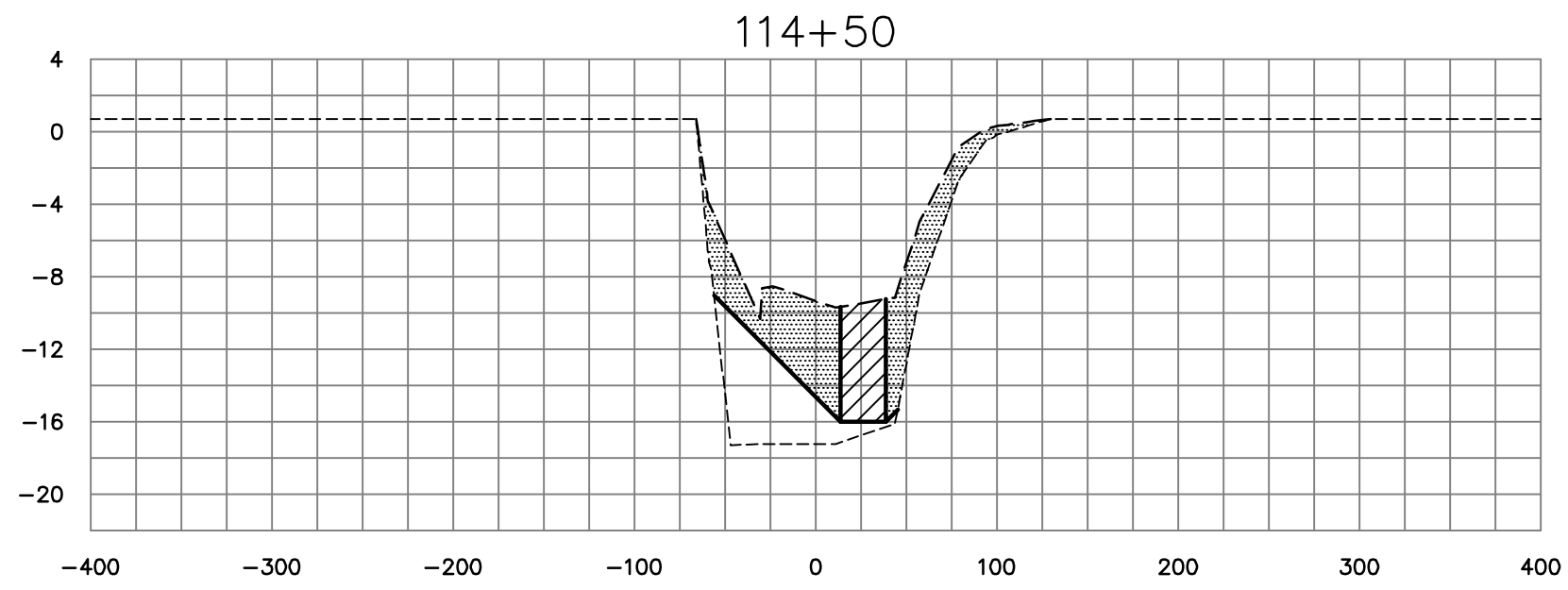
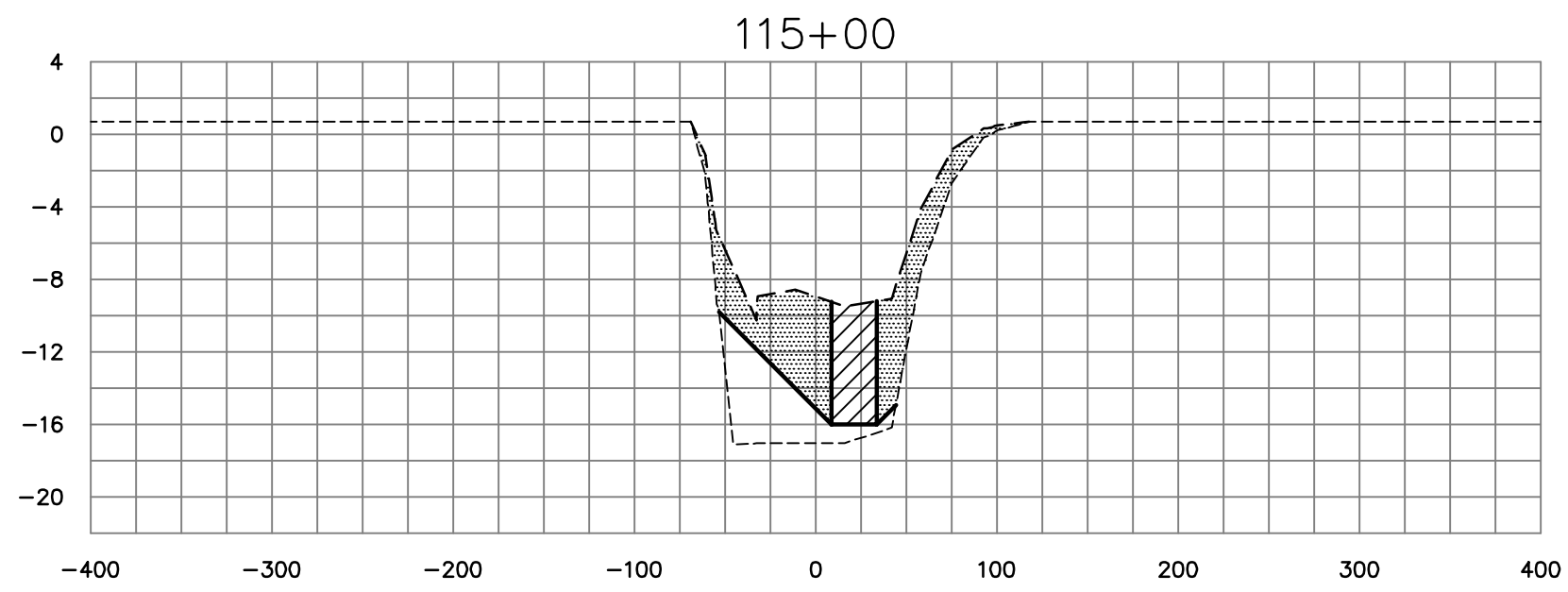
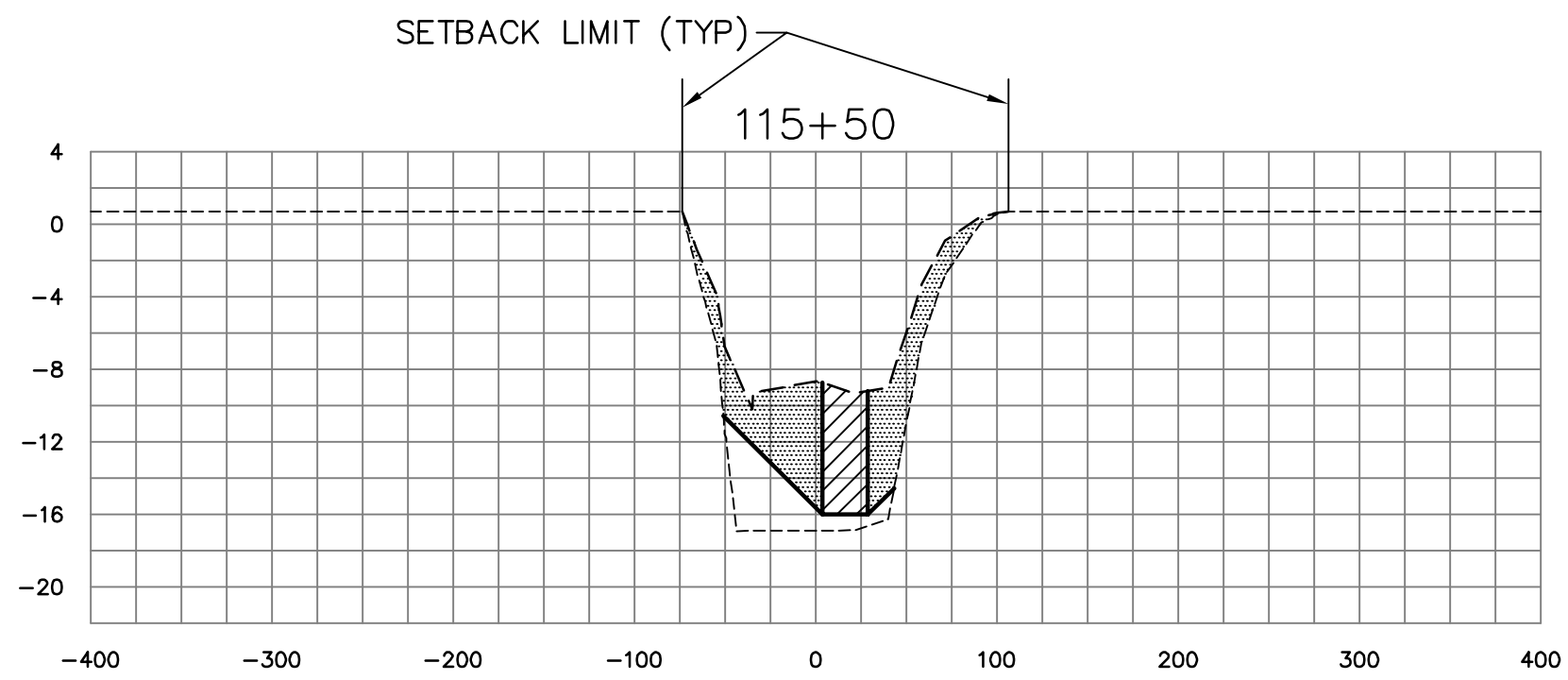
SHEET 63 OF 67



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REVISION	DESCRIPTION	BY	DATE

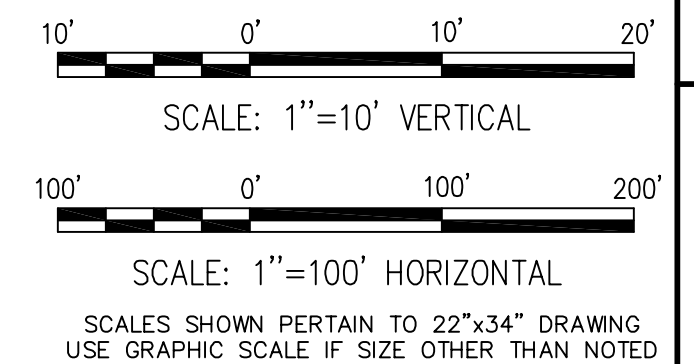
DWG. INFO: 46420X5048.DWG, JUN 28 2005 - 05:51 PM, CSABING, (C) MOFFATT AND NICHOL



C-54 CANAL CROSS SECTIONS

LEGEND

- APPROXIMATE PRE-MUCK SURFACE
- APPROXIMATE TOP OF MUCK SURFACE
- ////// DENOTES BOXCUT DREDGE AREA
- ||||| DENOTES ANTICIPATED MUCK SLOUGHING AREA



ST JOHNS RIVER WATER MANAGEMENT DISTRICT
SEBASTIAN RIVER MUCK REMOVAL
SEBASTIAN, FLORIDA



MOFFATT & NICHOL
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DATE JUNE 2005

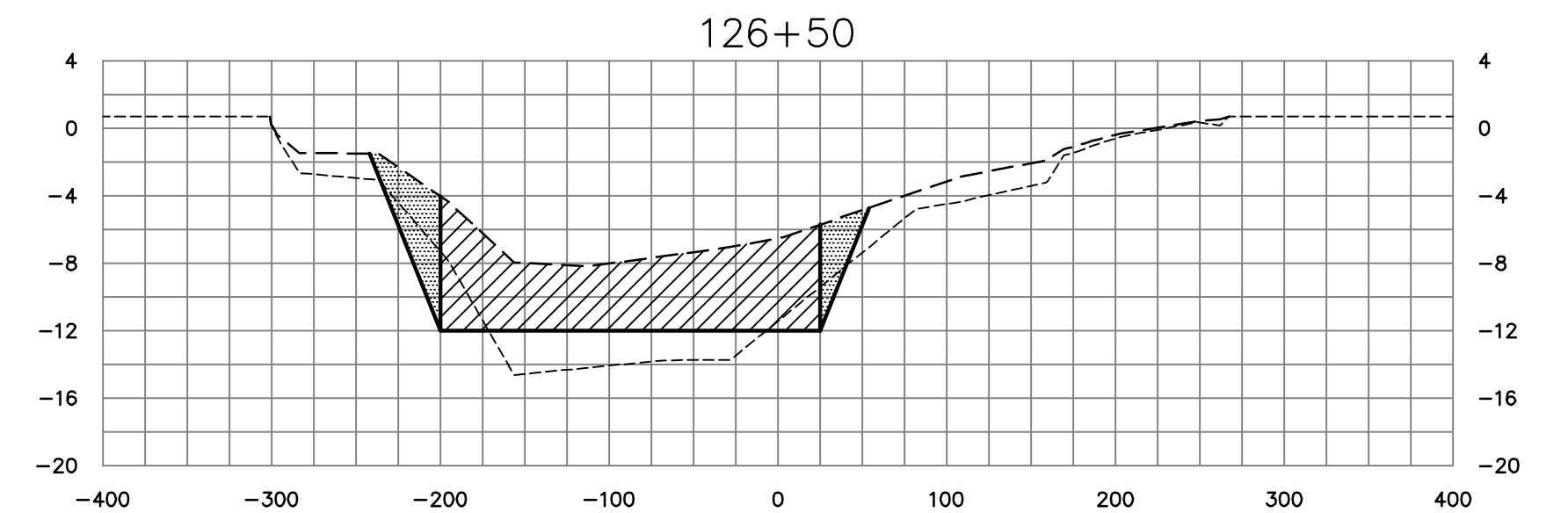
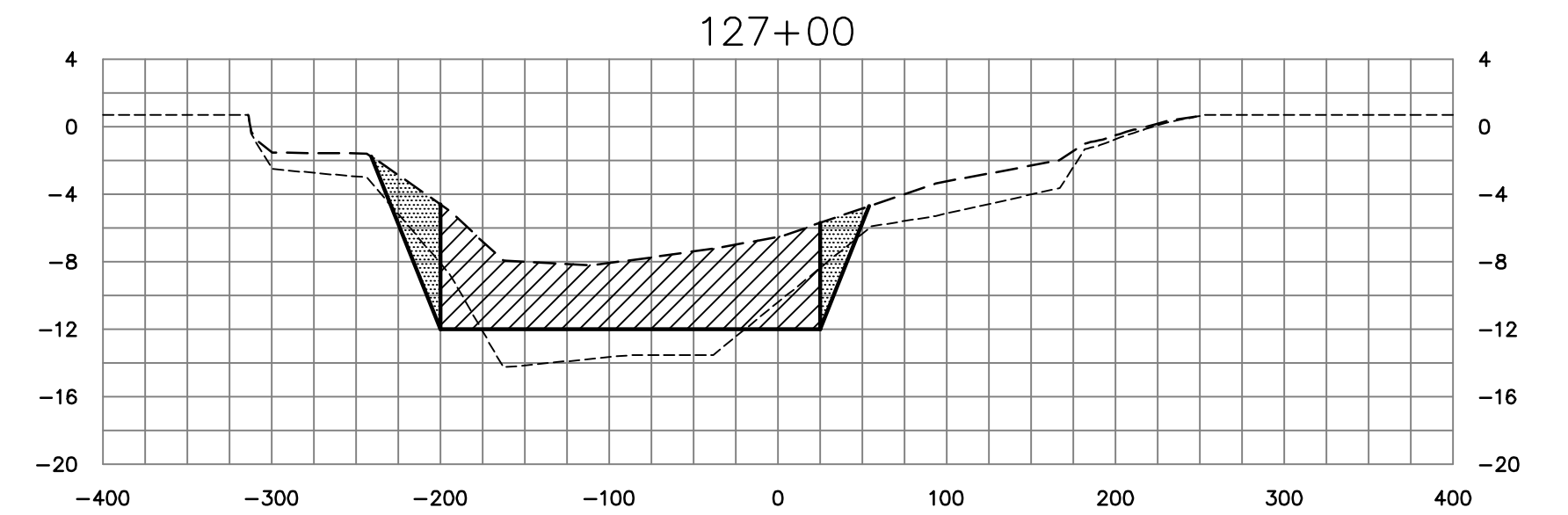
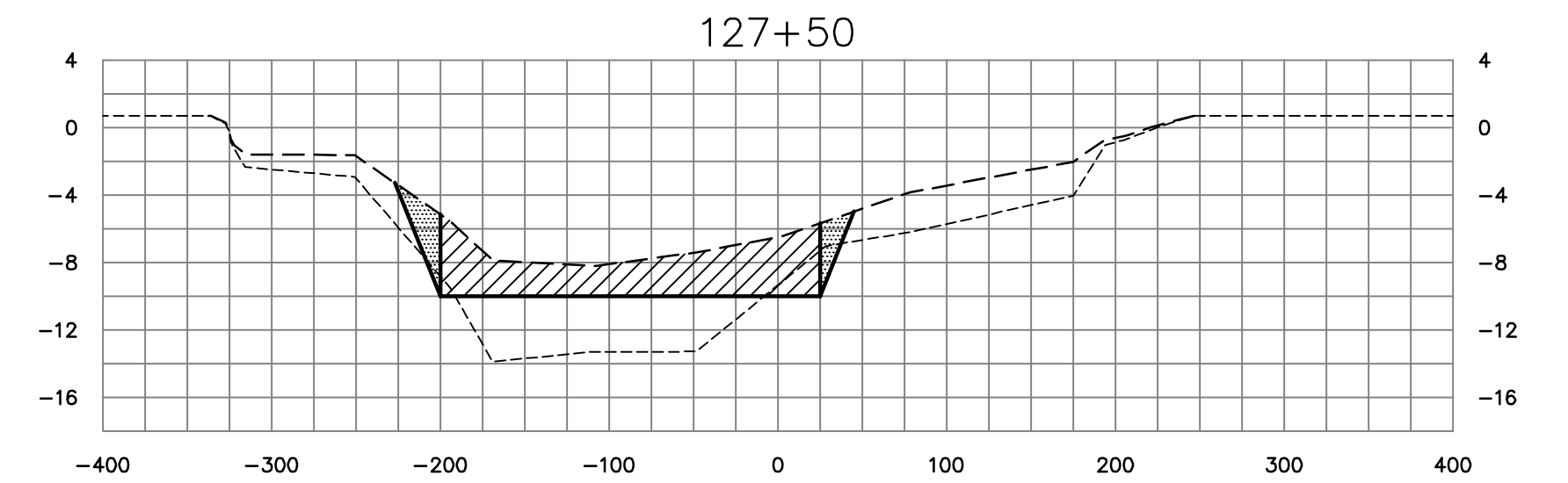
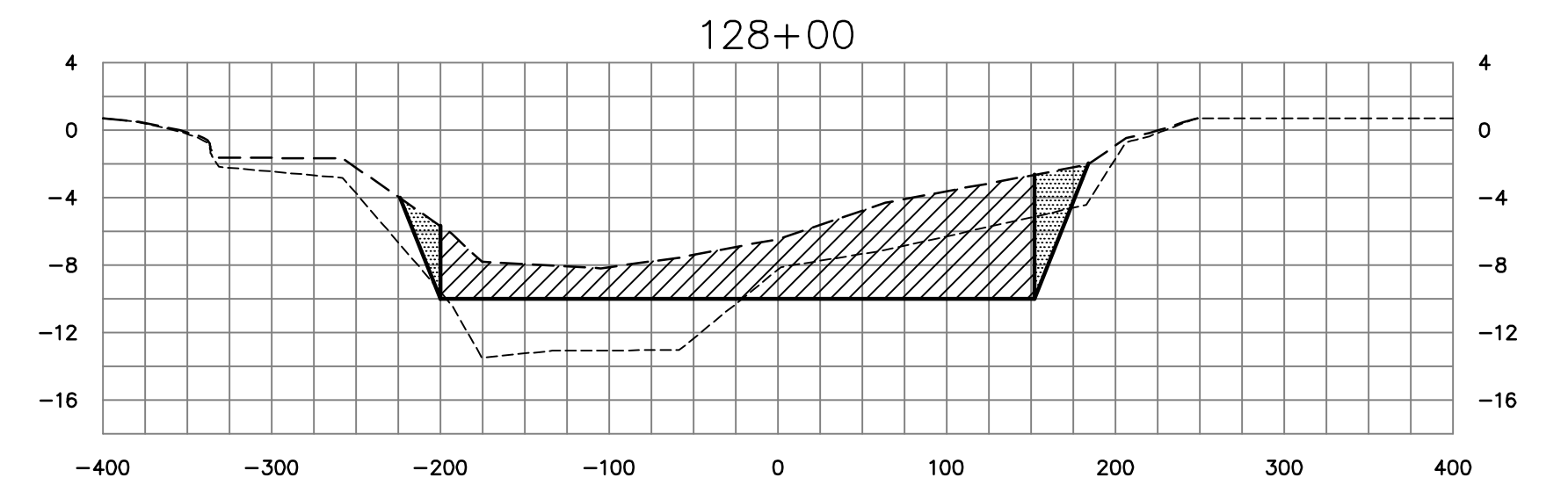
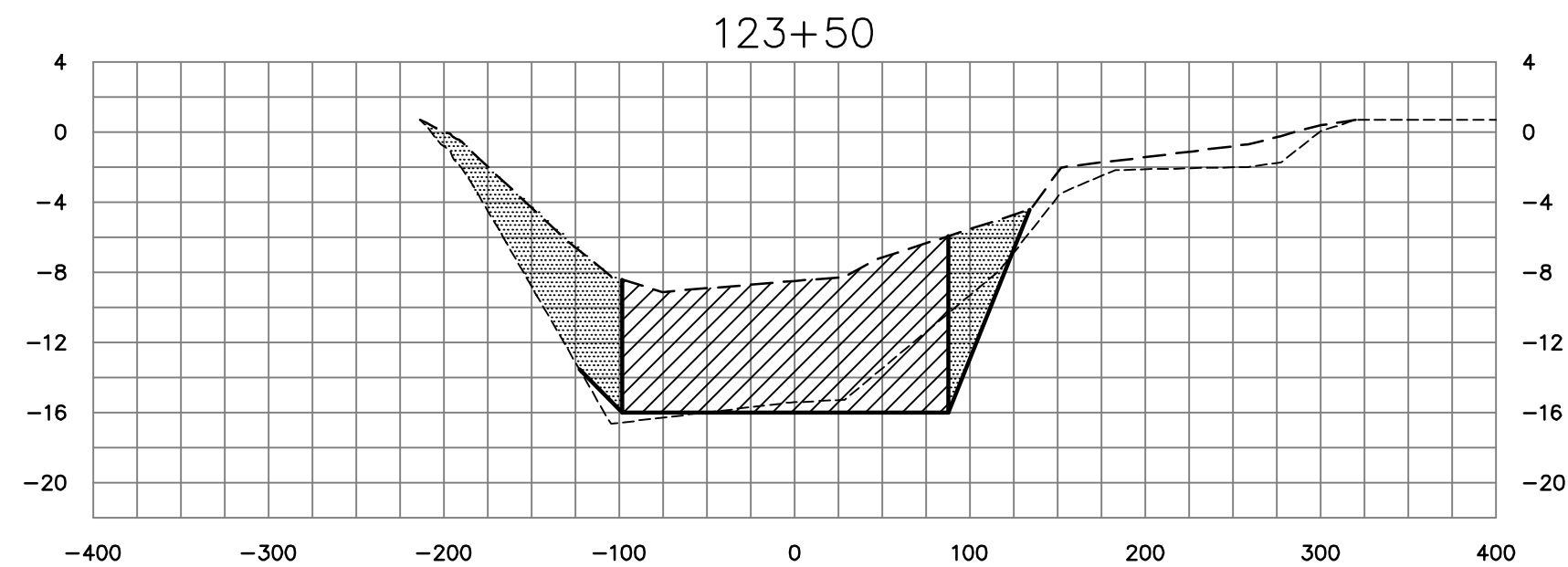
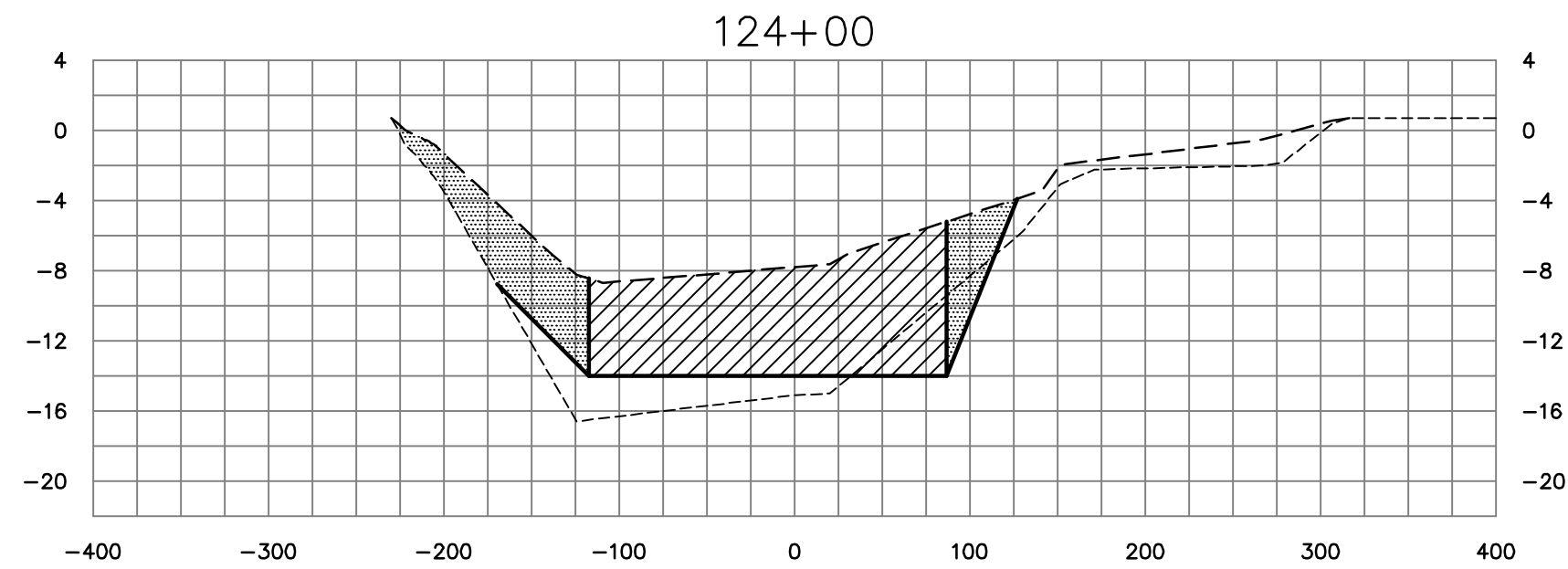
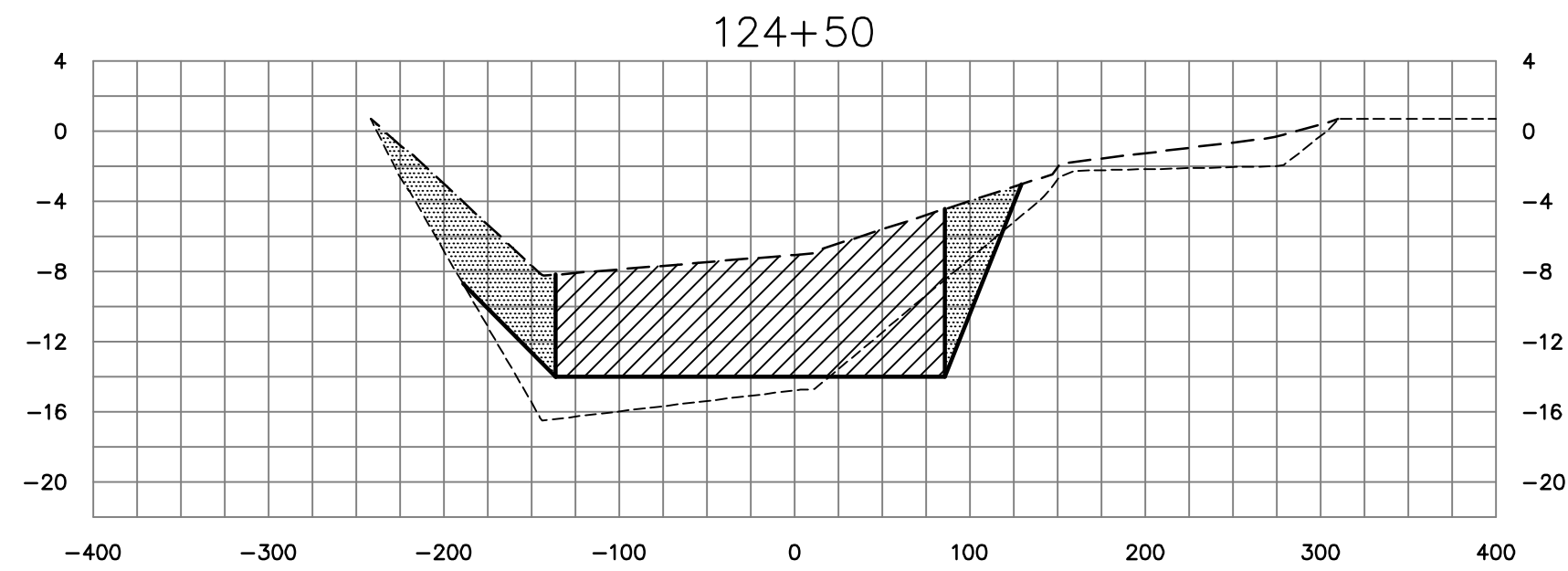
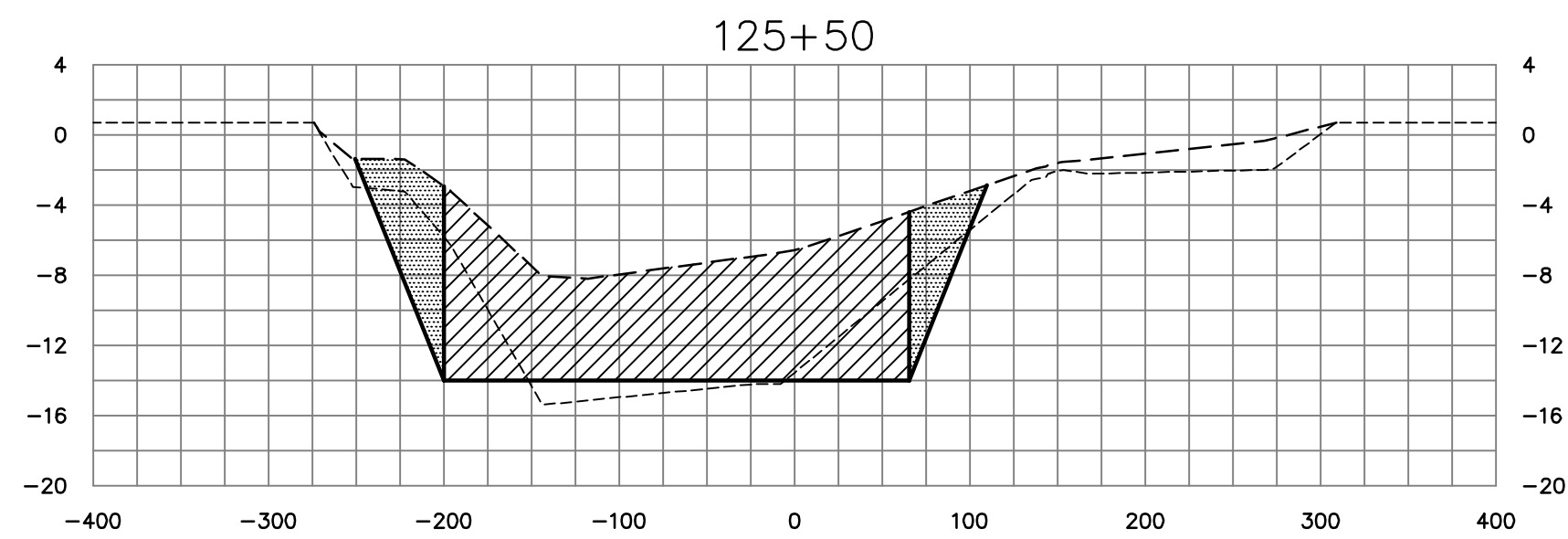
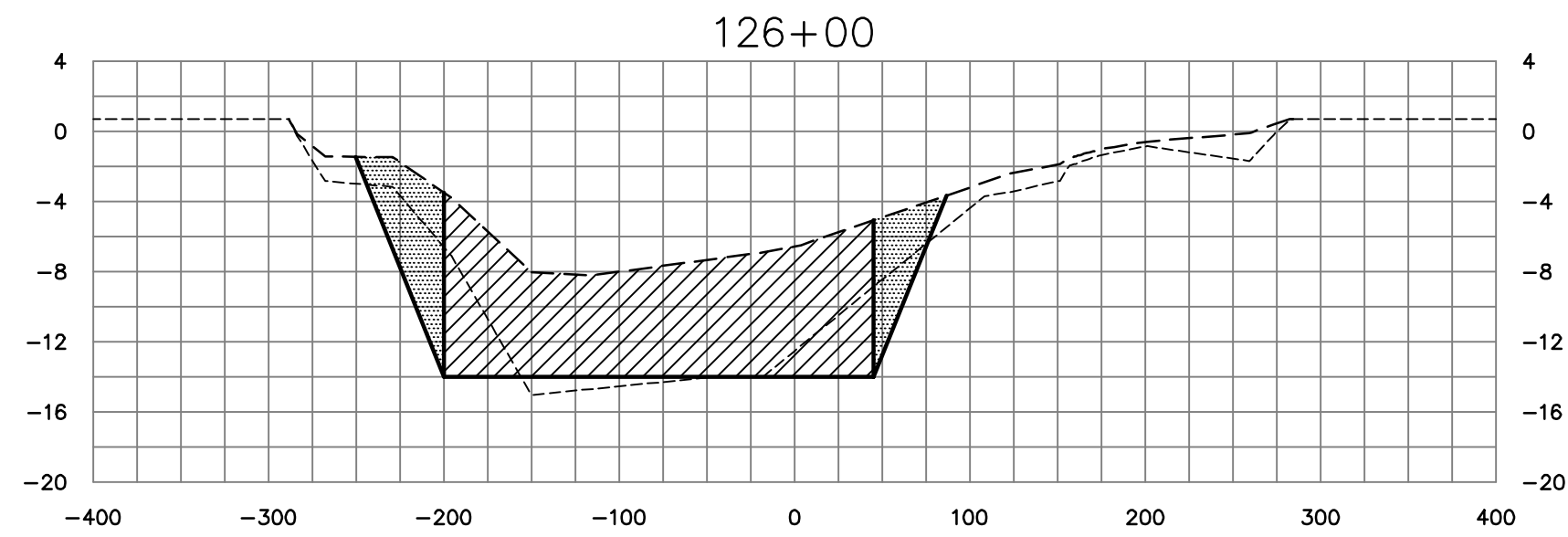
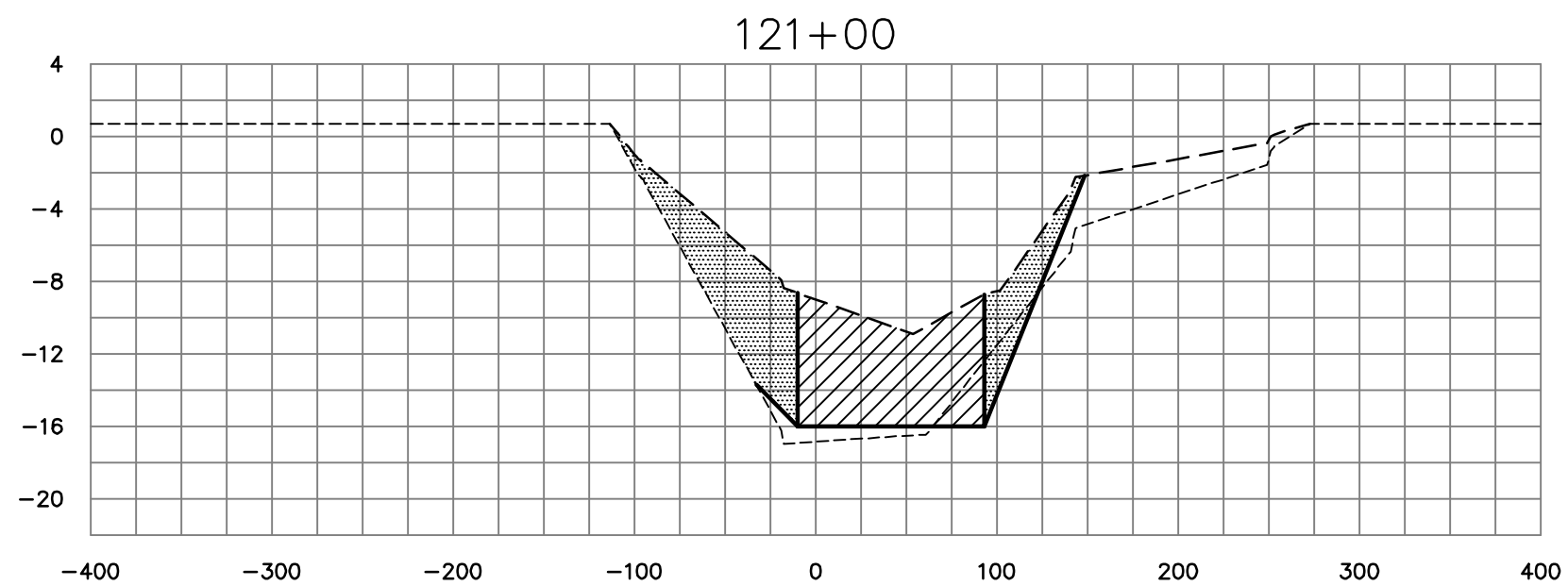
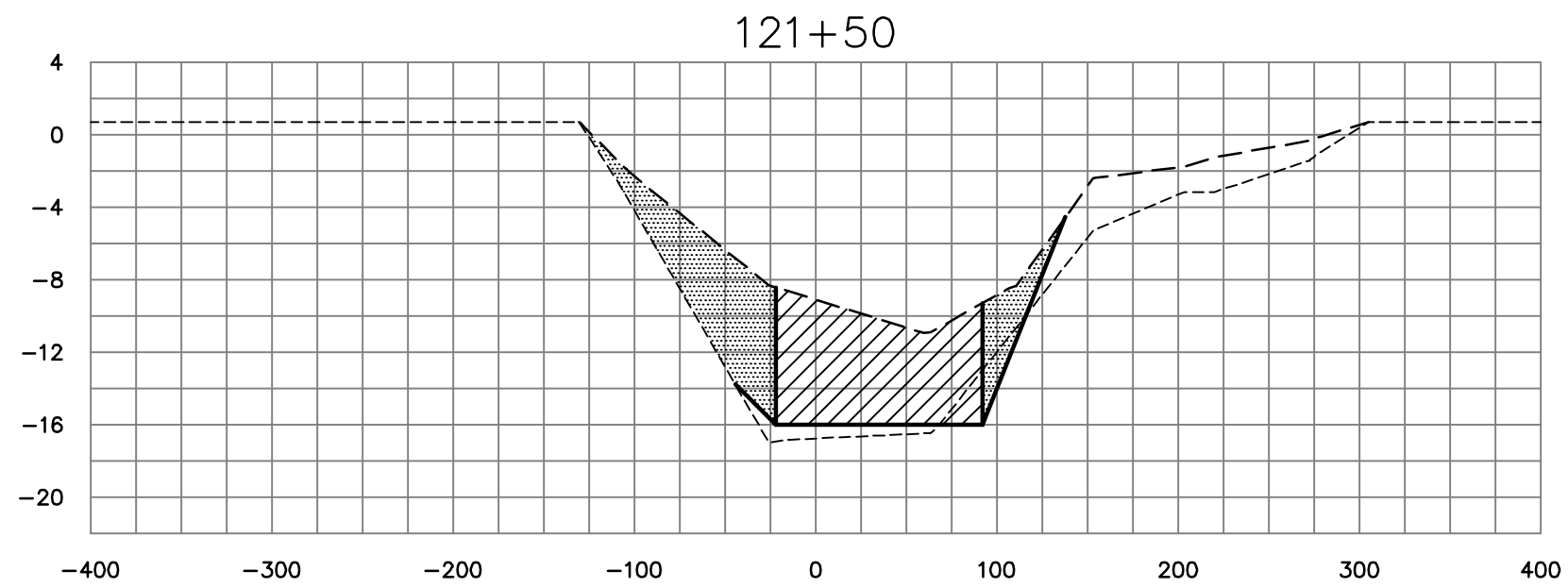
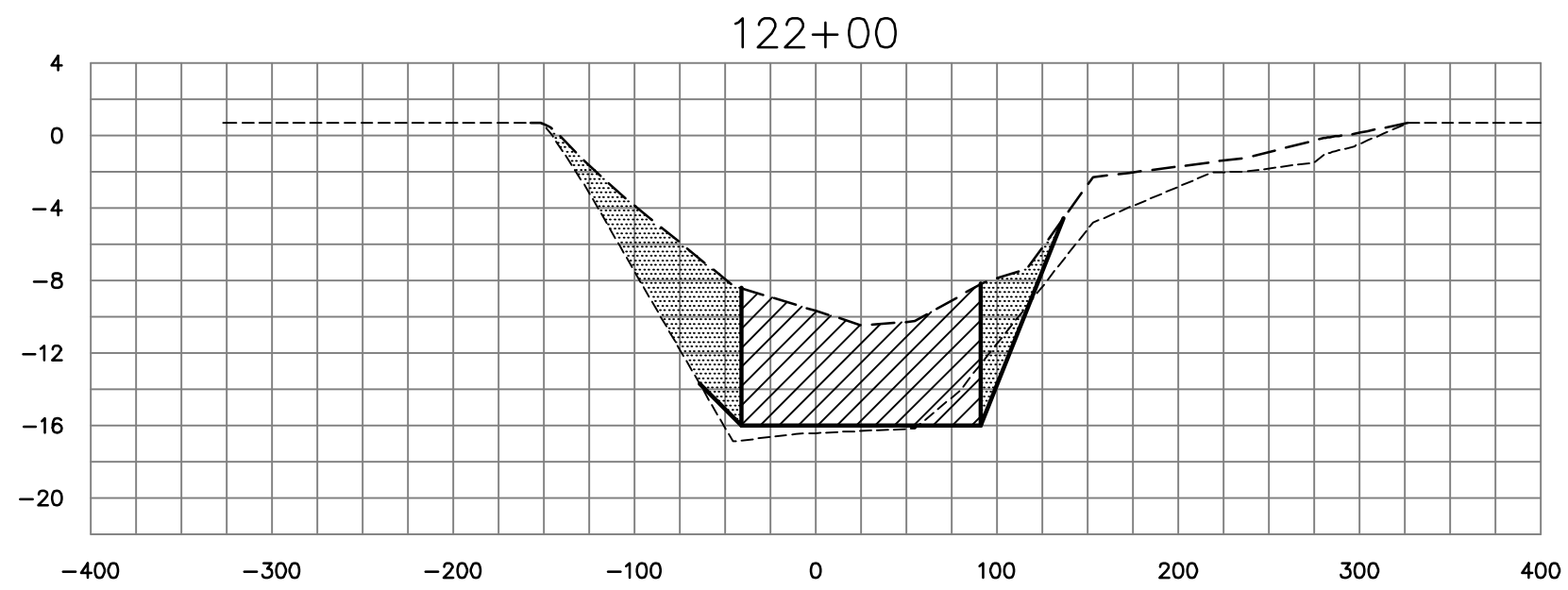
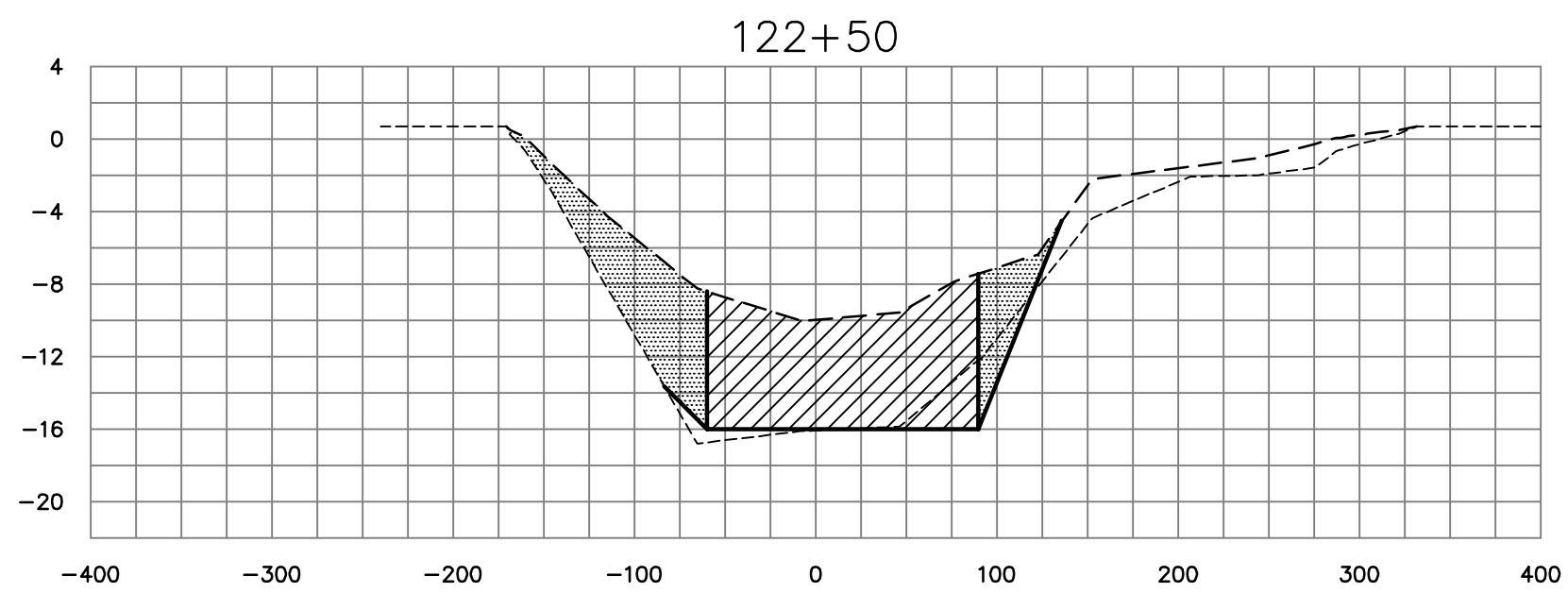
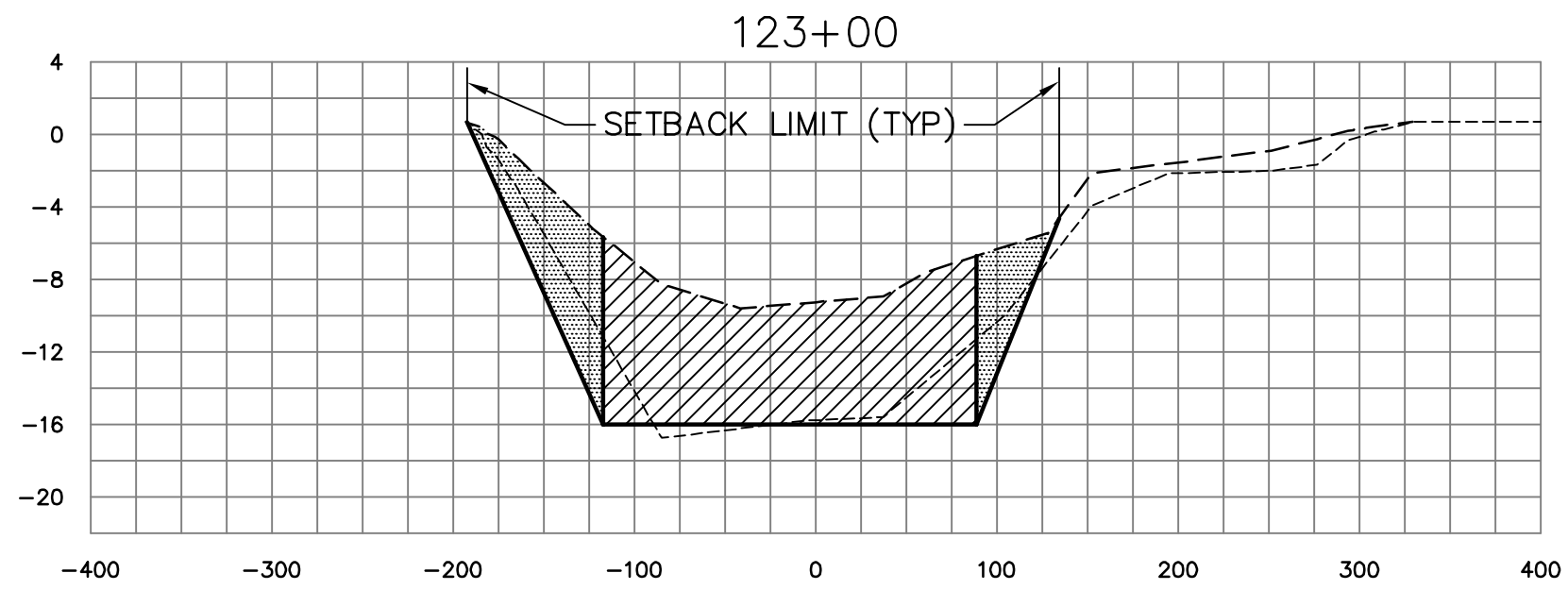
SHEET 64 OF 67



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REVISION DESCRIPTION BY DATE

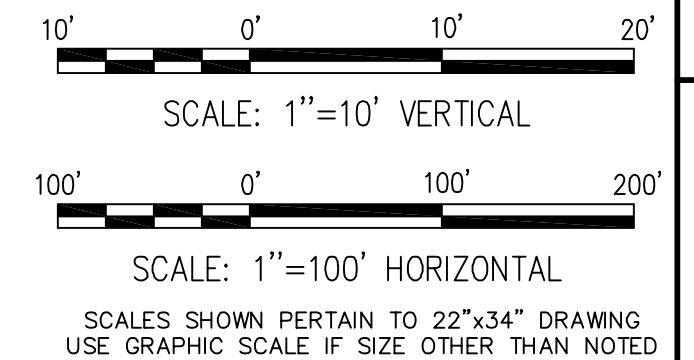
DWG. INFO: 46420X5049.DWG, JUN 23 2005 - 08:08 AM, CSABINO, (C) MOFFATT AND NICHOL



C-54 CANAL CROSS SECTIONS

LEGEND

- APPROXIMATE PRE-MUCK SURFACE
- - - - - APPROXIMATE TOP OF MUCK SURFACE
- ////// DENOTES BOXCUT DREDGE AREA
- ||||| DENOTES ANTICIPATED MUCK SLOUGHING AREA



ST JOHNS RIVER WATER MANAGEMENT DISTRICT
SEBASTIAN RIVER MUCK REMOVAL
SEBASTIAN, FLORIDA

DREDGE CROSS SECTIONS
SHEET 49 OF 51

MOFFATT & NICHOL
1509 W. SWANN AVE. SUITE 225
TAMPA, FLORIDA 33606
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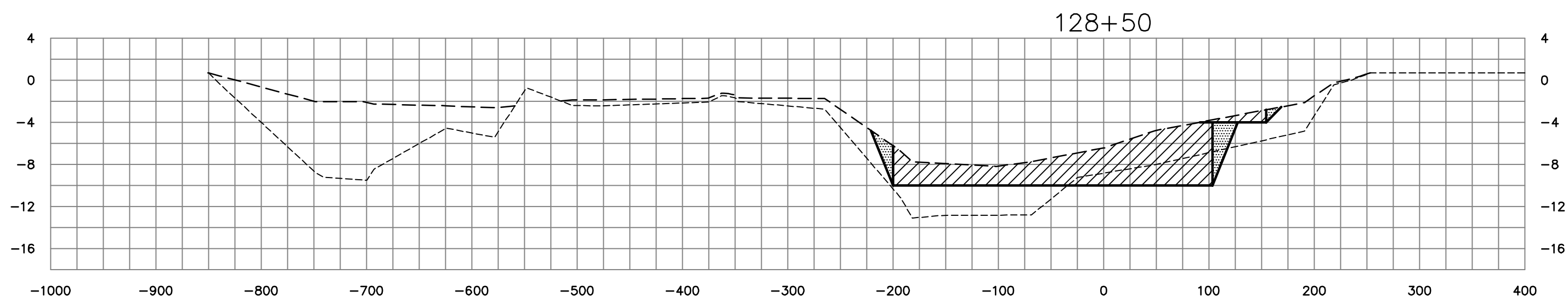
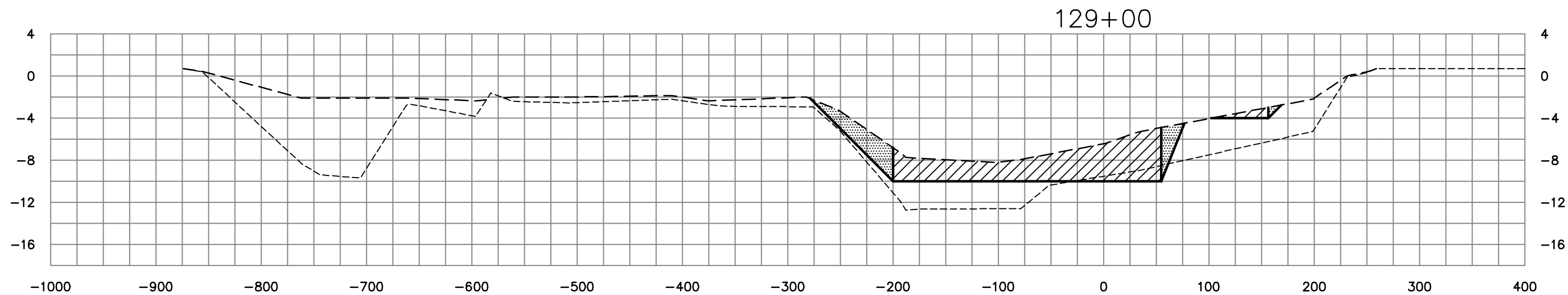
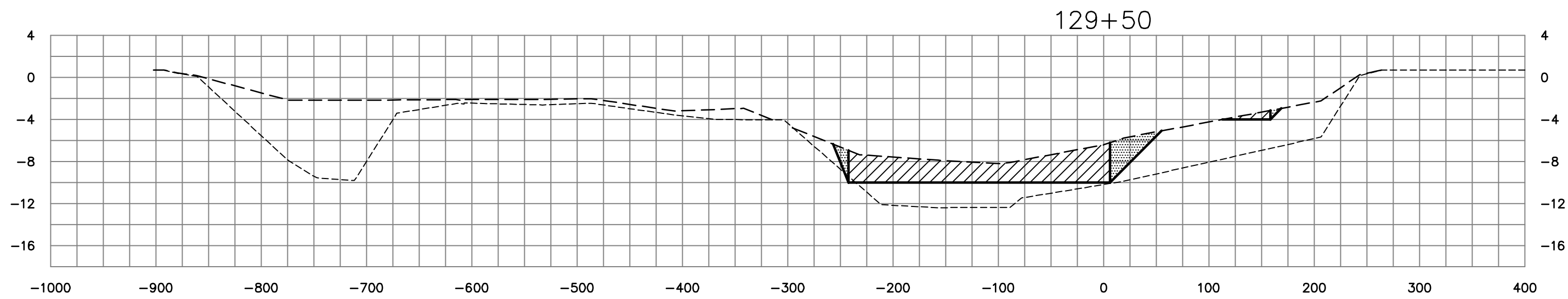
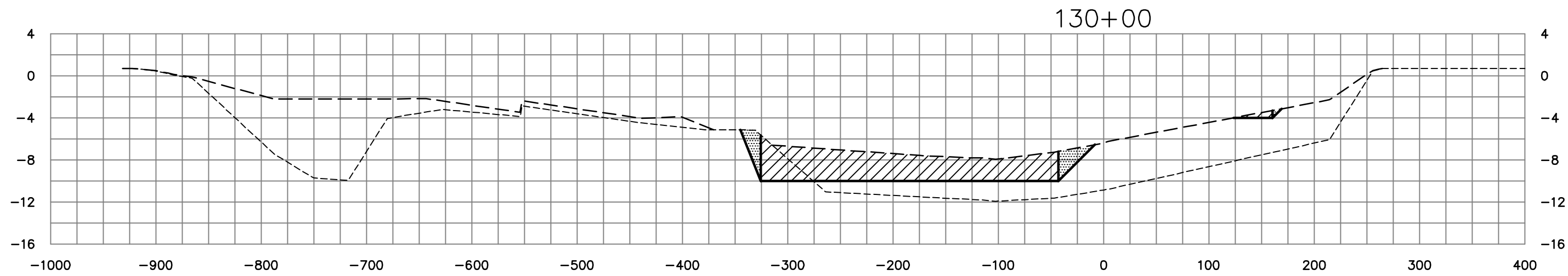
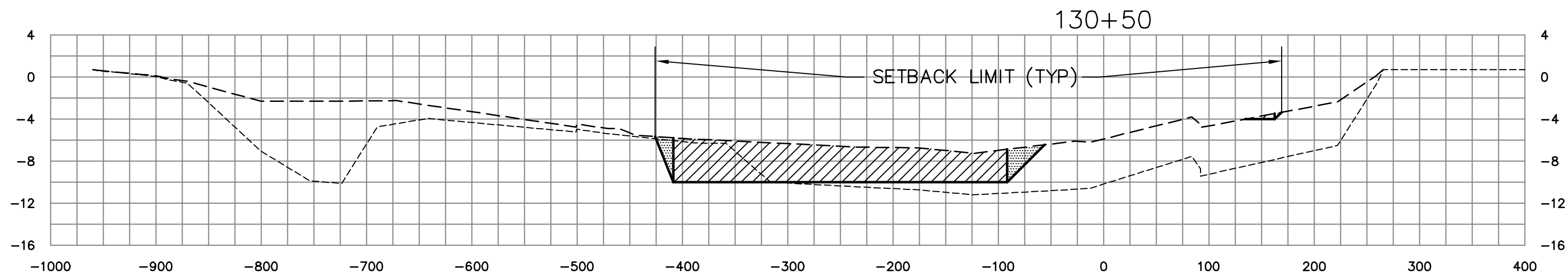
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SHEET 65 OF 67

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DWG INFO: 46420X050.DWG, JUN 29 2005 - 08:53 AM, CSABINO, (C) MOFFATT AND NICHOL



C-54 CANAL CROSS SECTIONS

LEGEND

- APPROXIMATE PRE-MUCK SURFACE
- APPROXIMATE TOP OF MUCK SURFACE
- ▨ DENOTES BOXCUT DREDGE AREA
- ▨ DENOTES ANTICIPATED MUCK SLOUGHING AREA

10' 0' 10' 20'

SCALE: 1"=10' VERTICAL

100' 0' 100' 200'

SCALE: 1"=100' HORIZONTAL

SCALES SHOWN PERTAIN TO 22"x34" DRAWING
USE GRAPHIC SCALE IF SIZE OTHER THAN NOTED

REVISION	DESCRIPTION	BY	DATE

ST JOHNS RIVER WATER MANAGEMENT DISTRICT
SEBASTIAN RIVER MUCK REMOVAL
SEBASTIAN, FLORIDA

DREDGE CROSS SECTIONS
SHEET 50 OF 51

MOFFATT & NICHOL
1509 W. SWANN AVE. SUITE 225
TAMPA, FLORIDA 33606
(813) 258-8818

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JOB NO.	4642-04		

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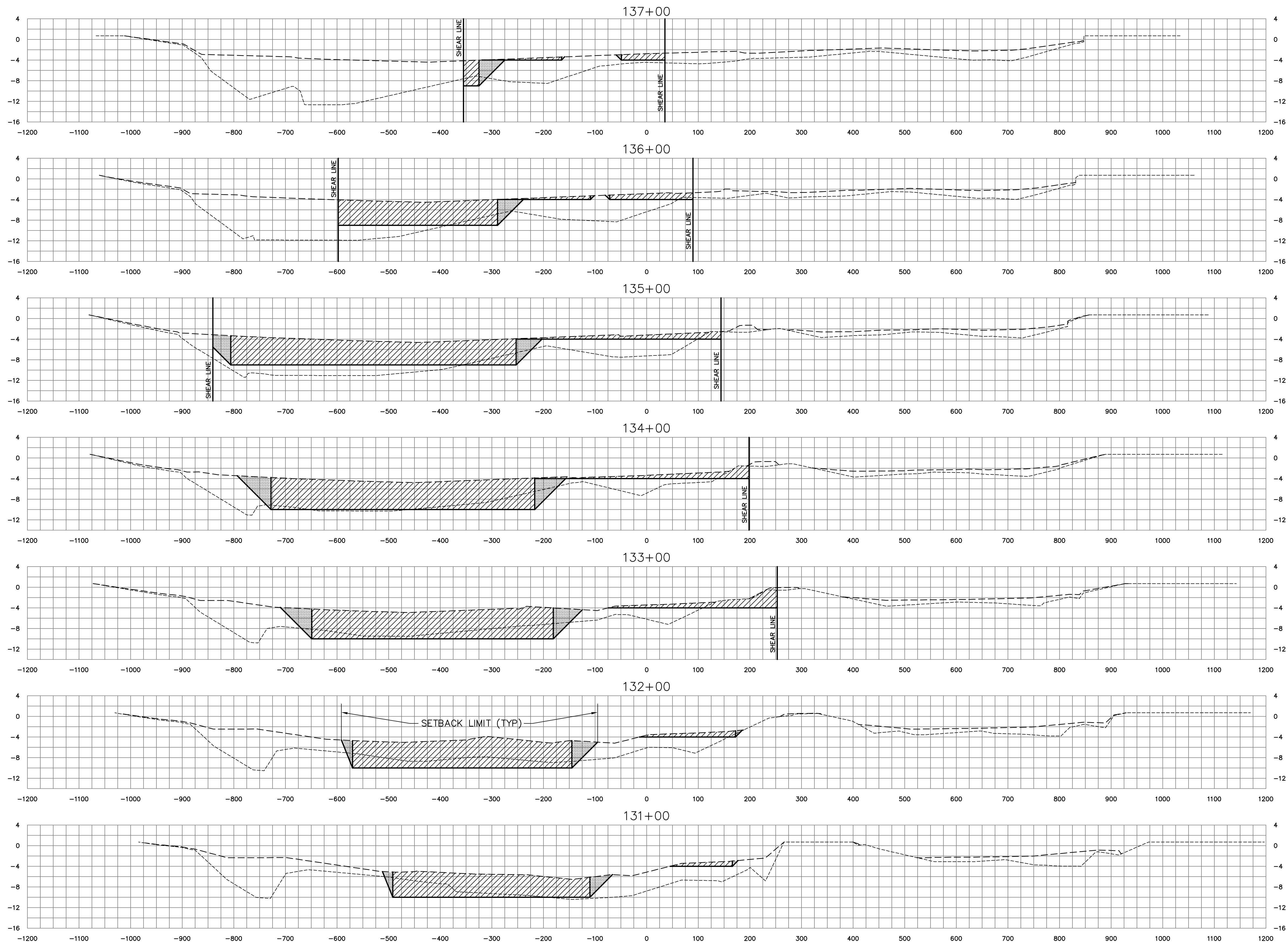
DATE JUNE 2005

SHEET 66 OF 67



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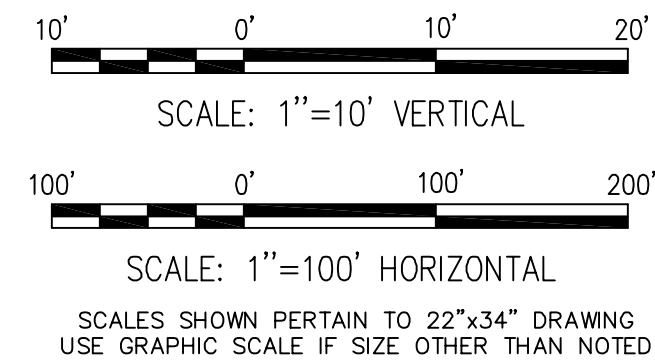
DWG. INFO: 46420XCS051.DWG, JUN 29 2005 - 09:01 AM, CSABING, (C) MOFFATT AND NICHOL



C-54 CANAL CROSS SECTIONS

LEGEND

- APPROXIMATE PRE-MUCK SURFACE
- APPROXIMATE TOP OF MUCK SURFACE
- ▨ DENOTES BOXCUT DREDGE AREA
- ▩ DENOTES ANTICIPATED MUCK SLOUGHING AREA



ST JOHNS RIVER WATER MANAGEMENT DISTRICT SEBASTIAN RIVER MUCK REMOVAL SEBASTIAN, FLORIDA		DREDGE CROSS SECTIONS SHEET 51 OF 51	
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SHEET 67 OF 67			
XS51			