

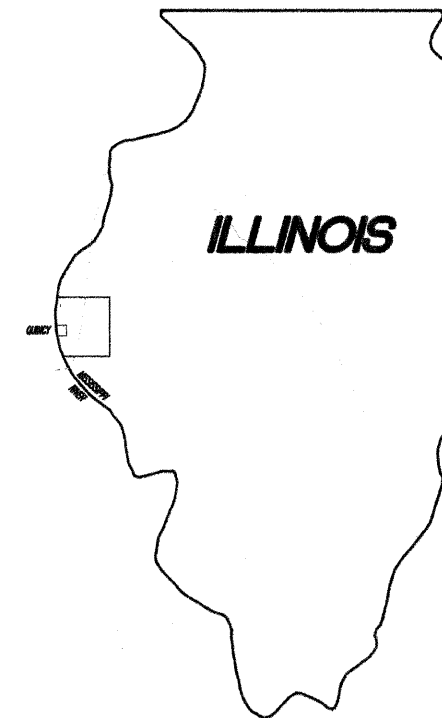
INDEX OF SHEETS 04-27-12 LETTING ITEM 187

SHEET NO.	SHEET
1	TITLE SHEET
2	SUMMARY OF QUANTITIES
	TYPICAL SECTIONS
	GENERAL NOTES
	TRAFFIC CONTROL PLAN
3-5	PLAN & PROFILE SHEETS
6-20	CROSS SECTIONS (ROADWAY)
21-22	STORMWATER POLLUTION PREVENTATION PLAN

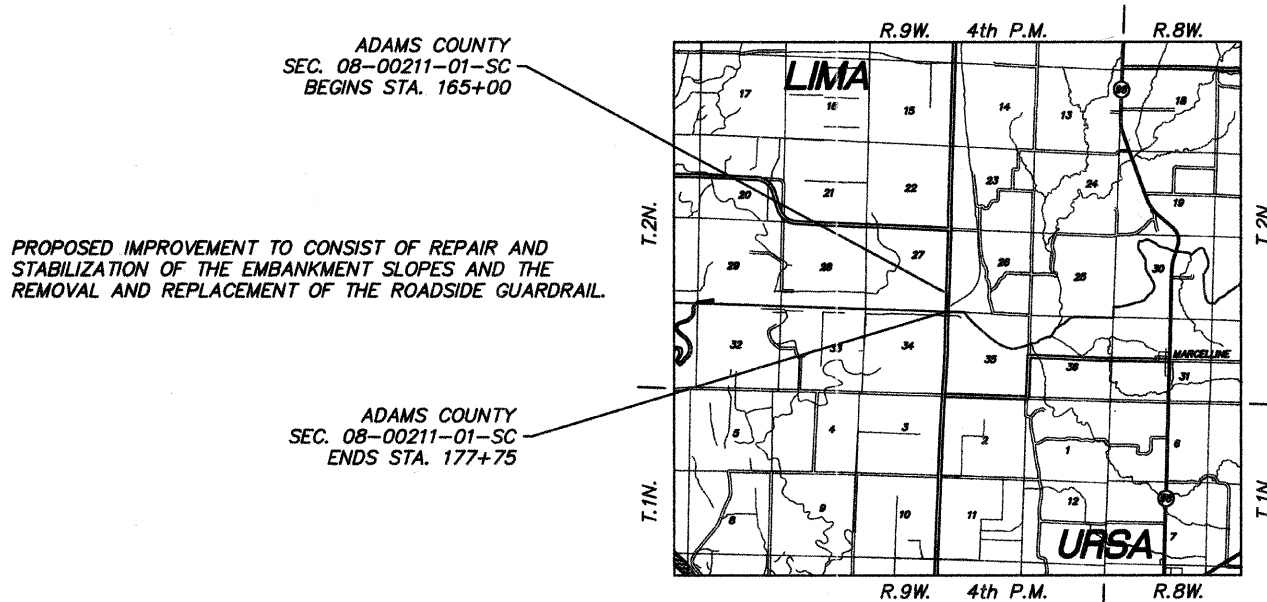
- STANDARDS**
- STANDARD 280001-06
 - STANDARD 630001-10
 - STANDARD 630301-05
 - STANDARD 701006-03
 - STANDARD 701011-02
 - STANDARD 701306-03
 - STANDARD 701901-02

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION
DIVISION OF HIGHWAYS
PLANS FOR PROPOSED
EMERGENCY RELIEF PROGRAM FUNDS
FAS 1600 (C.H. 7) SEC. 08-00211-01-SC ADAMS COUNTY
PROJECT NO. ER-0001(108)

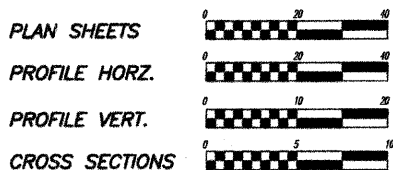
COUNTY	ROUTE	SECTION	SHT. NO.
ADAMS	FAS 1600	08-00211-01-SC	1 OF 22
COVER SHEET			
TOTAL NO. SHEETS - 22			



PROPOSED IMPROVEMENT MARKED THUS —



PROPOSED IMPROVEMENT TO CONSIST OF REPAIR AND STABILIZATION OF THE EMBANKMENT SLOPES AND THE REMOVAL AND REPLACEMENT OF THE ROADSIDE GUARDRAIL.



FULL SIZE PLANS HAVE BEEN PREPARED USING STANDARD ENGINEERING SCALES, REDUCED SIZED PLANS WILL NOT CONFORM TO STANDARD SCALES, IN MAKING MEASUREMENTS ON REDUCED PLANS, THE ABOVE SCALES MAY BE USED.

UTILITIES:

J.U.L.I.E. 1-800-892-0123
ADAMS TELEPHONE CO-OPERATIVE
AMEREN ILLINOIS (ELECTRIC)

JOB NO. C-96-250-09
CONTRACT NO. 93565

LOCATION MAP



NET LENGTH OF IMPROVEMENT = 1,275.00 FT. = 0.241 MI.

DESIGN DESIGNATION:
COLLECTOR - 225
DESIGN SPEED - 50 M.P.H.



THESE PLANS WERE PREPARED BY ME OR A FULL TIME MEMBER OF MY STAFF WORKING UNDER MY PERSONAL SUPERVISION.

SUBMITTED BY James R. Frankenkott DATE 1/17/2012
COUNTY ENGINEER
LICENSE NO. 062-044792
LIC. EXPIRES 11/30/2013

APPROVED 1/17/2012
James R. Frankenkott
COUNTY ENGINEER

PASSED February 14, 2012
Ron Kuhn
DISTRICT ENGINEER OF CONSTRUCTION

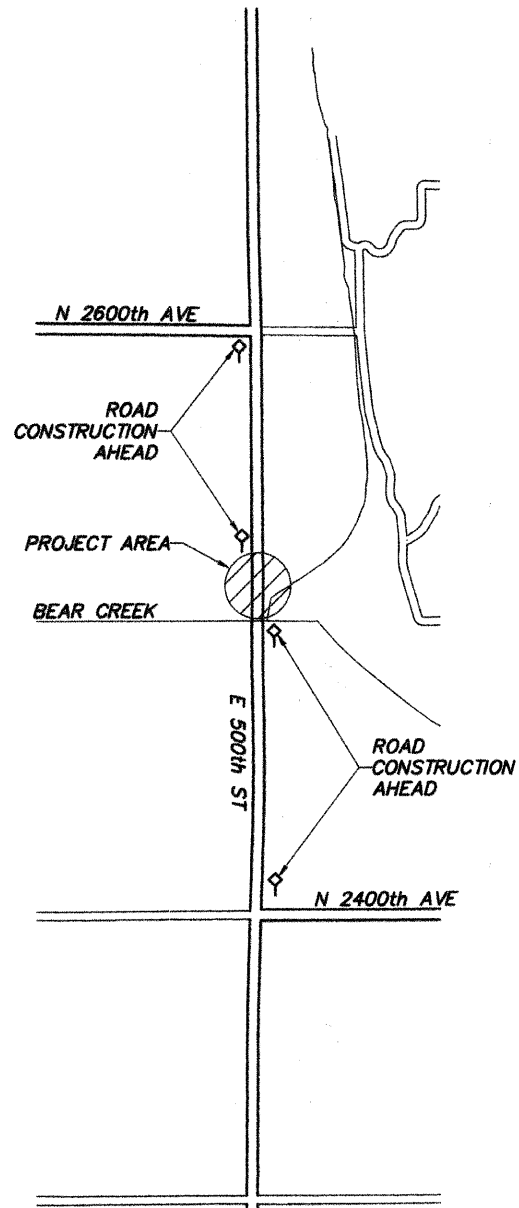
PASSED February 14, 2012
Terrence H. Fountain
DISTRICT ENGINEER OF LOCAL ROADS AND STREETS

RELEASING FOR BID BASED ON LIMITED REVIEW February 14, 2012
Roger L. Driskell
DEPUTY DIRECTOR OF HIGHWAYS
REGION FOUR ENGINEER

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

PREPARED BY
ADAMS COUNTY HIGHWAY DEPARTMENT
101 NORTH 54th STREET, QUINCY, ILLINOIS

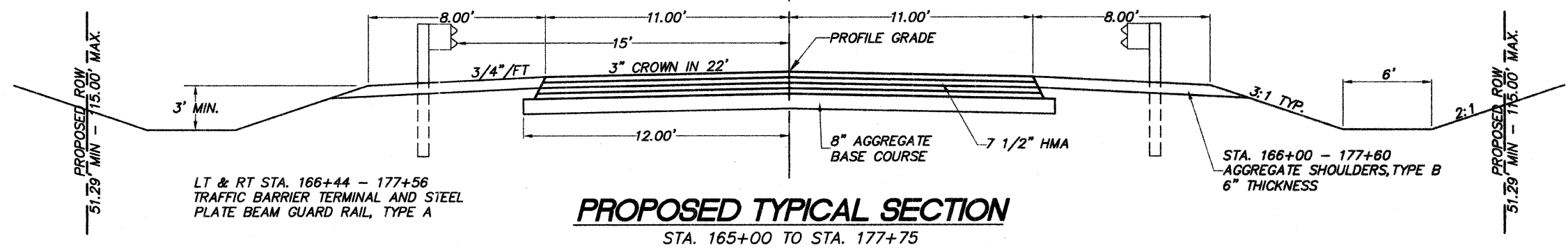
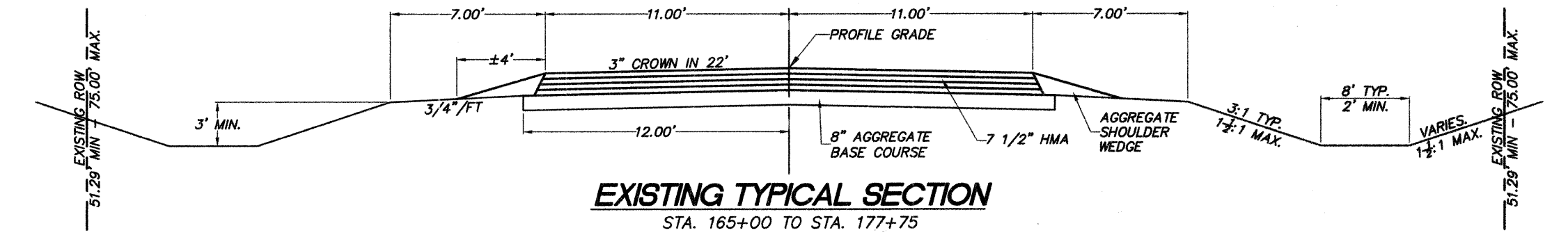
TRAFFIC CONTROL AND PROTECTION



TYPICAL SECTIONS

COUNTY	ROUTE	SECTION	SHT. NO.
ADAMS	FAS 1600	08-00211-01-SC	2/22

TYPICAL SECTION SUMMARY OF QUANTITIES
TRAFFIC CONTROL GENERAL NOTES
BENCHING DETAIL



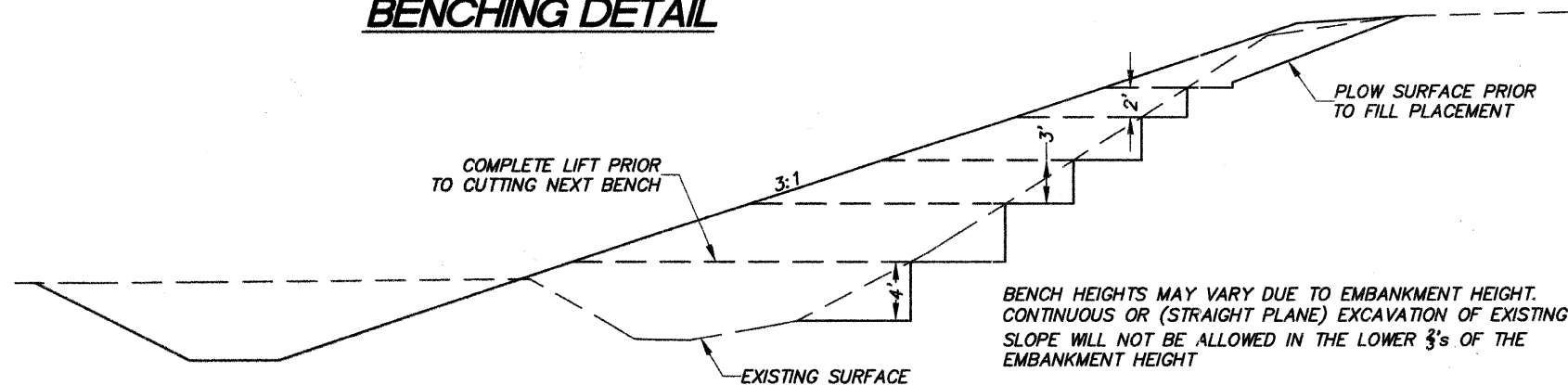
GENERAL NOTES

- APPLICATION RATES:
FERTILIZER NUTRIENTS 10-10-10 @ 270#/ACRE
AGRICULTURAL GROUND LIMESTONE - 2 TON/ACRE
MULCH, METHOD 2 - 2 TON/ACRE

SUMMARY OF QUANTITIES

TOTAL QUANTITY	UNIT	ITEM	SPECIAL PROVISION	CODE NUMBER
14	UNIT	TREE REMOVAL (6 -15 UNITS DIAMETER)		20100110
28	UNIT	TREE REMOVAL (OVER 15 UNITS DIAMETER)		20100210
0.55	ACRE	TREE REMOVAL, ACRES	*	20100500
4,124	CU YD	EARTH EXCAVATION	*	20200100
1,930	CU YD	REMOVAL AND DISPOSAL OF UNSUITABLE MATERIAL	*	20201200
12,689	CU YD	FURNISHED EXCAVATION	*	20400800
3.50	ACRE	SEEDING, CLASS 2		25000200
315	POUND	NITROGEN FERTILIZER NUTRIENTS		2500400
315	POUND	PHOSPHORUS FERTILIZER NUTRIENTS		2500500
315	POUND	POTASSIUM FERTILIZER NUTRIENTS		2500600
7	TON	AGRICULTURAL GROUND LIMESTONE		2500700
3.5	ACRE	MULCH, METHOD 2	*	25100115
350	POUND	TEMPORARY EROSION CONTROL SEEDING		28000250
285	FOOT	TEMPORARY DITCH CHECKS		28000305
3	EACH	INLET AND PIPE PROTECTION		28000500
40	TON	AGGREGATE SURFACE COURSE, TYPE B		40200800
700	TON	AGGREGATE SHOULDERS, TYPE B		48101200
26	FOOT	PIPE CULVERT REMOVAL		50105220
40	FOOT	PIPE CULVERTS, CLASS D, TYPE 2 36"	*	542D1081
40	FOOT	PIPE CULVERTS, CLASS D, TYPE 1 EQUIVALENT ROUND-SIZE 30"	*	542D5485
184	FOOT	INSERTION CULVERT LINER 36"	*	54390230
2,025	FOOT	STEEL PLATE BEAM GUARDRAIL, TYPE A, 6 FOOT POSTS		63000001
4	EACH	TRAFFIC BARRIER TERMINAL, TYPE 1 (SPECIAL) TANGENT		63100167
2,200	FOOT	GUARDRAIL REMOVAL	*	63200310
1	L SUM	MOBILIZATION		67100100
4	EACH	TERMINAL MARKER - DIRECT APPLIED	*	78201000
30	CU YD	FILLING EXISTING CULVERTS	*	Z0023500
184	FOOT	STEEL CASINGS 42"	*	Z0068400
60	TON	STONE RIPRAP, CLASS A4 (SPECIAL)	*	X2810208
1	L SUM	TRAFFIC CONTROL AND PROTECTION, (SPECIAL)	*	X7010216

BENCHING DETAIL



SECTION 26 - TOWNSHIP 2 NORTH - RANGE 9 WEST of the 4th P.M.

COUNTY	ROUTE	SECTION	SHT. NO.
ADAMS	FAS 1600	08-00211-01-SC	3/22
STA. 164+00 TO STA. 170+00			

TREE REMOVAL, ACRES			
STA. - STA.	Q. OFFSET	ACRES	
169+10 - 174+75	20'L-VARIES	0.55	

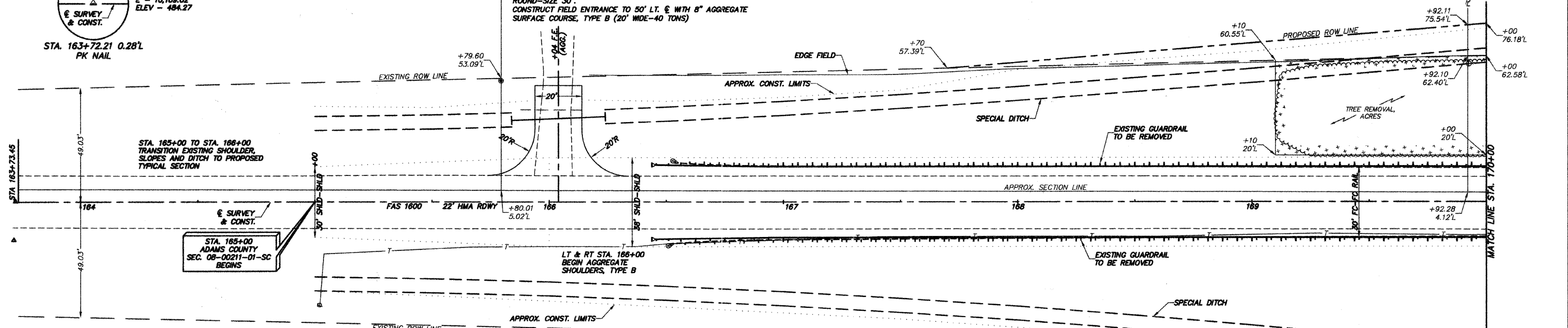
GERALD L. & JUDITH A. MILLER
PART OF THE SW 1/4 SEC. 26
P.L.N. 08-0-0481-000-00
PROPOSED ROW - 0.033 ACRES

CONTROL POINT COORDINATES
N - 11,396.31
E - 10,108.02
ELEV - 484.27

SHRIVER BROTHERS PARTNERSHIP
PART OF THE SW 1/4 SEC. 26

LT. STA. 166+04 REMOVE EXISTING PIPE CULVERT - 26' FT.
INSTALL 40 FT PIPE CULVERTS, CLASS D, TYPE 1, EQUIVALENT
ROUND-SIZE 30".
CONSTRUCT FIELD ENTRANCE TO 50' LT. @ WITH 8" AGGREGATE
SURFACE COURSE, TYPE B (20' WIDE-40 TONS)

NO TIES
STA. 163+72.21 0.28'L
PK NAIL

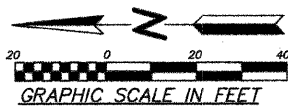


STA. 165+00 TO STA. 166+00
TRANSITION EXISTING SHOULDER,
SLOPES AND DITCH TO PROPOSED
TYPICAL SECTION

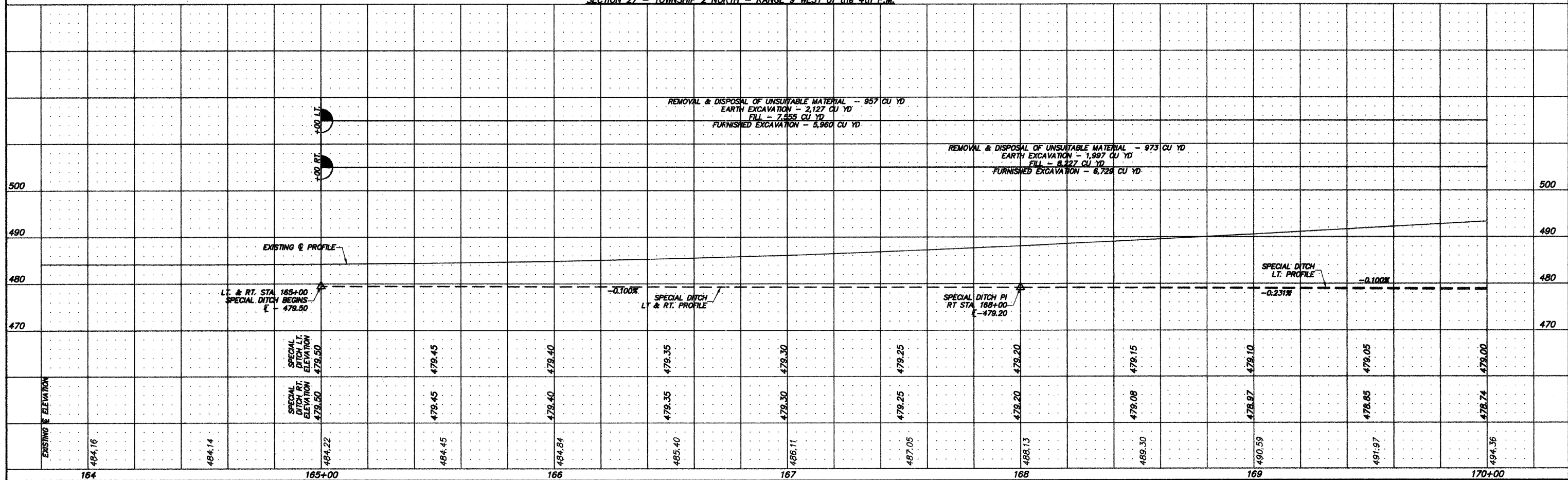
STA. 165+00
ADAMS COUNTY
SEC. 08-00211-01-SC
BEGINS

STA. - STA.	STEEL PLATE BEAM GUARDRAIL, TYPE A	TRAFFIC BARRIER TERMINAL, TYPE 1 (SPECIAL) TANGENT	GUARDRAIL REMOVAL
RT. STA. 166+43.75 - 166+93.75		1 EACH	
RT. STA. 166+93.75 - 177+08.25	1,012.5 FT	1 EACH	
RT. STA. 177+08.25 - 177+56.25		1 EACH	
LT. STA. 166+43.75 - 166+93.75		1 EACH	
LT. STA. 166+93.75 - 177+08.25	1,012.5 FT	1 EACH	
LT. STA. 177+08.25 - 177+56.25		1 EACH	
LT. 166+50 - 177+50			1,100 FT
RT. 166+50 - 177+50			1,100 FT

SHRIVER BROTHERS PARTNERSHIP
PART OF THE SE 1/4 SEC. 27
P.L.N. 08-0-0490-000-00
PROPOSED ROW - 0.533 ACRES



SECTION 27 - TOWNSHIP 2 NORTH - RANGE 9 WEST of the 4th P.M.



REMOVAL & DISPOSAL OF UNSUITABLE MATERIAL - 957 CU YD
EARTH EXCAVATION - 2,127 CU YD
FILL - 7,485 CU YD
FURNISHED EXCAVATION - 5,960 CU YD

REMOVAL & DISPOSAL OF UNSUITABLE MATERIAL - 973 CU YD
EARTH EXCAVATION - 1,997 CU YD
FILL - 8,227 CU YD
FURNISHED EXCAVATION - 6,729 CU YD

LT. & RT. STA. 165+00
SPECIAL DITCH BEGINS
E - 479.50

SPECIAL DITCH
LT. & RT. PROFILE

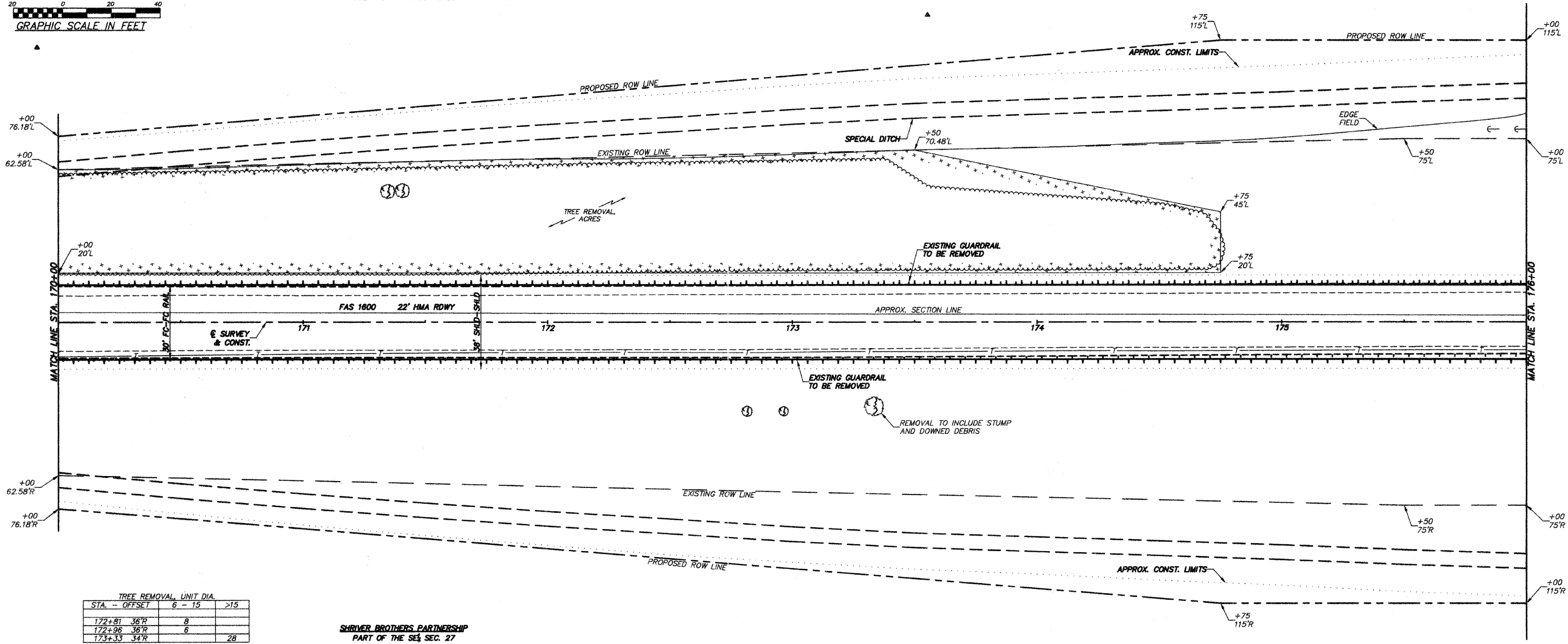
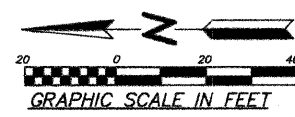
SPECIAL DITCH PI
RT STA. 168+00
E - 479.20

SPECIAL DITCH
LT. PROFILE

COUNTY	ROUTE	SECTION	SHT. NO.
ADAMS	FAS 1600	08-00211-01-SC	4/22
STA. 170+00 TO STA. 176+00			

SECTION 26 - TOWNSHIP 2 NORTH - RANGE 9 WEST of the 4th P.M.

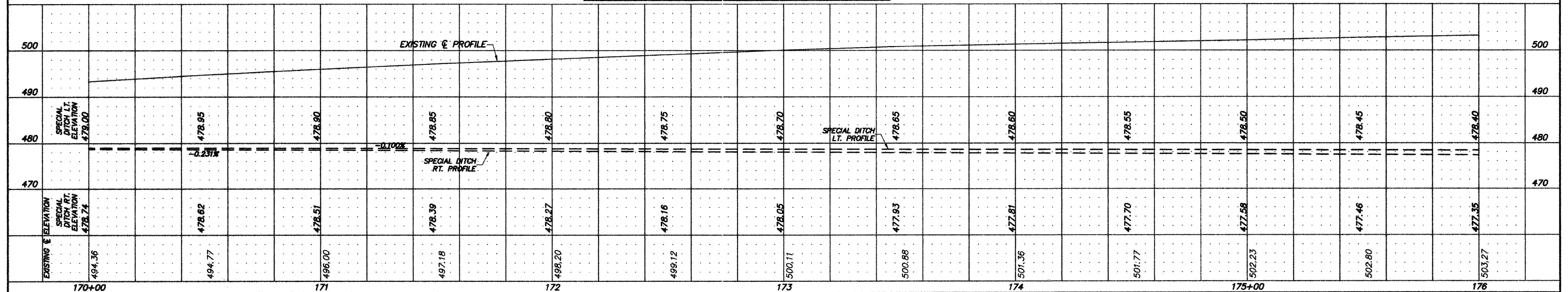
ROBERT F. & ROSEMARY PARKER
 PART OF THE SW 1/4 SEC. 26
 P.L.N. 08-0-0478-000-00
 PROPOSED ROW - 0.500 ACRES



TREE REMOVAL UNIT DIA.			
STA. - OFFSET	6 - 15	>15	
172+81 36'R	8		
172+96 36'R	6		
173+33 34'R		28	

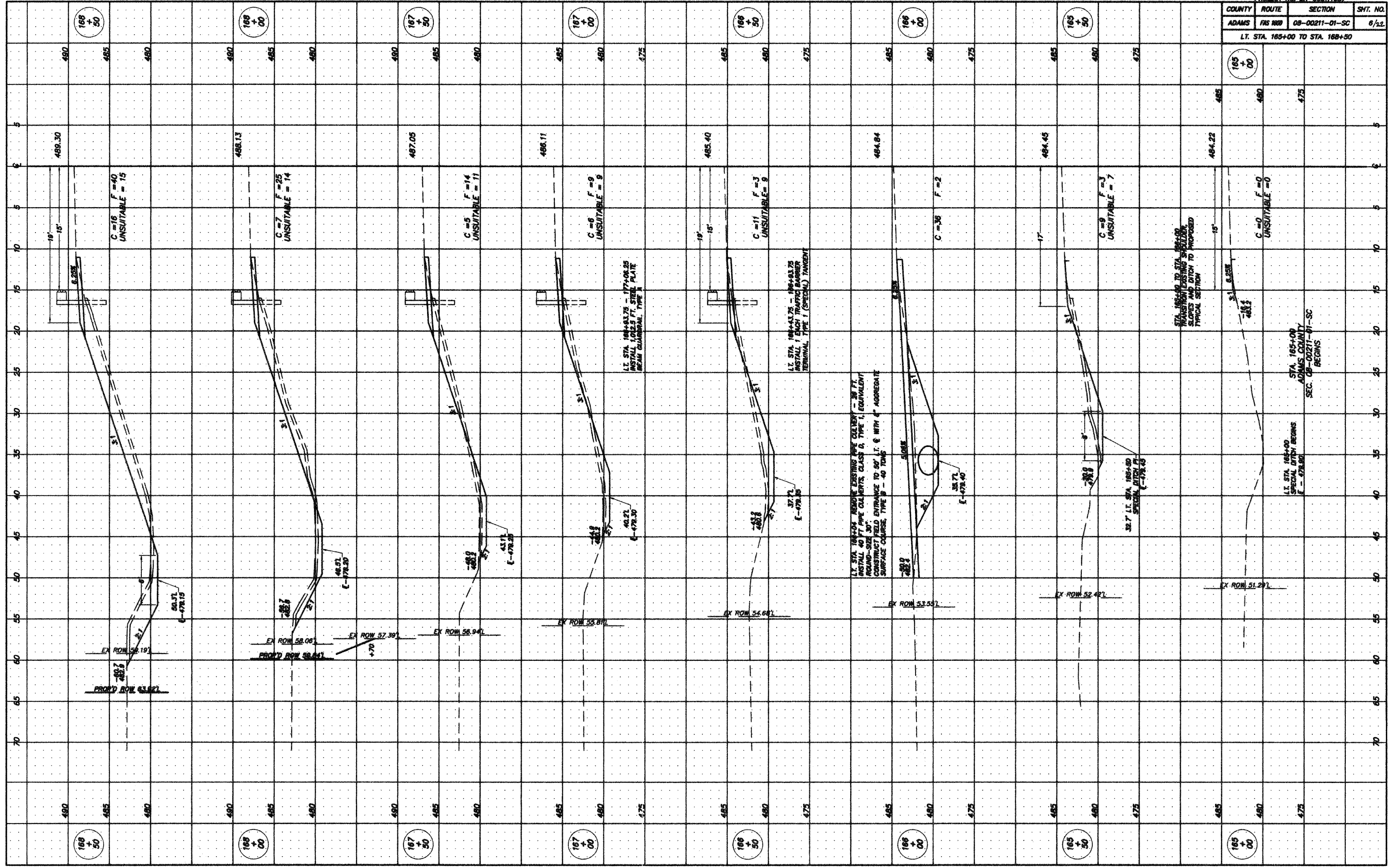
SHRIVER BROTHERS PARTNERSHIP
 PART OF THE SE 1/4 SEC. 27

SECTION 27 - TOWNSHIP 2 NORTH - RANGE 9 WEST of the 4th P.M.



COUNTY	ROUTE	SECTION	SHT. NO.
ADAMS	FRS 188	08-00211-01-SC	6/12

LT. STA. 165+00 TO STA. 168+50



165 + 00

166 + 50

167 + 50

168 + 50

169 + 00

170 + 00

171 + 00

172 + 00

173 + 00

174 + 00

175 + 00

176 + 00

177 + 00

178 + 00

179 + 00

180 + 00

181 + 00

182 + 00

183 + 00

184 + 00

185 + 00

186 + 00

187 + 00

188 + 00

189 + 00

190 + 00

191 + 00

192 + 00

193 + 00

194 + 00

195 + 00

196 + 00

197 + 00

198 + 00

199 + 00

200 + 00

201 + 00

202 + 00

203 + 00

204 + 00

205 + 00

206 + 00

207 + 00

208 + 00

209 + 00

210 + 00

211 + 00

212 + 00

213 + 00

214 + 00

215 + 00

216 + 00

217 + 00

218 + 00

219 + 00

220 + 00

221 + 00

222 + 00

223 + 00

224 + 00

225 + 00

226 + 00

227 + 00

228 + 00

229 + 00

230 + 00

231 + 00

232 + 00

233 + 00

234 + 00

235 + 00

236 + 00

237 + 00

238 + 00

239 + 00

240 + 00

241 + 00

242 + 00

243 + 00

244 + 00

245 + 00

246 + 00

247 + 00

248 + 00

249 + 00

250 + 00

251 + 00

252 + 00

253 + 00

254 + 00

255 + 00

256 + 00

257 + 00

258 + 00

259 + 00

260 + 00

261 + 00

262 + 00

263 + 00

264 + 00

265 + 00

266 + 00

267 + 00

268 + 00

269 + 00

270 + 00

271 + 00

272 + 00

273 + 00

274 + 00

275 + 00

276 + 00

277 + 00

278 + 00

279 + 00

280 + 00

281 + 00

282 + 00

283 + 00

284 + 00

285 + 00

286 + 00

287 + 00

288 + 00

289 + 00

290 + 00

291 + 00

292 + 00

293 + 00

294 + 00

295 + 00

296 + 00

297 + 00

298 + 00

299 + 00

300 + 00

301 + 00

302 + 00

303 + 00

304 + 00

305 + 00

306 + 00

307 + 00

308 + 00

309 + 00

310 + 00

311 + 00

312 + 00

313 + 00

314 + 00

315 + 00

316 + 00

317 + 00

318 + 00

319 + 00

320 + 00

321 + 00

322 + 00

323 + 00

324 + 00

325 + 00

326 + 00

327 + 00

328 + 00

329 + 00

330 + 00

331 + 00

332 + 00

333 + 00

334 + 00

335 + 00

336 + 00

337 + 00

338 + 00

339 + 00

340 + 00

341 + 00

342 + 00

343 + 00

344 + 00

345 + 00

346 + 00

347 + 00

348 + 00

349 + 00

350 + 00

351 + 00

352 + 00

353 + 00

354 + 00

355 + 00

356 + 00

357 + 00

358 + 00

359 + 00

360 + 00

361 + 00

362 + 00

363 + 00

364 + 00

365 + 00

366 + 00

367 + 00

368 + 00

369 + 00

370 + 00

371 + 00

372 + 00

373 + 00

374 + 00

375 + 00

376 + 00

377 + 00

378 + 00

379 + 00

380 + 00

381 + 00

382 + 00

383 + 00

384 + 00

385 + 00

386 + 00

387 + 00

388 + 00

389 + 00

390 + 00

391 + 00

392 + 00

393 + 00

394 + 00

395 + 00

396 + 00

397 + 00

398 + 00

399 + 00

400 + 00

401 + 00

402 + 00

403 + 00

404 + 00

405 + 00

406 + 00

407 + 00

408 + 00

409 + 00

410 + 00

411 + 00

412 + 00

413 + 00

414 + 00

415 + 00

416 + 00

417 + 00

418 + 00

419 + 00

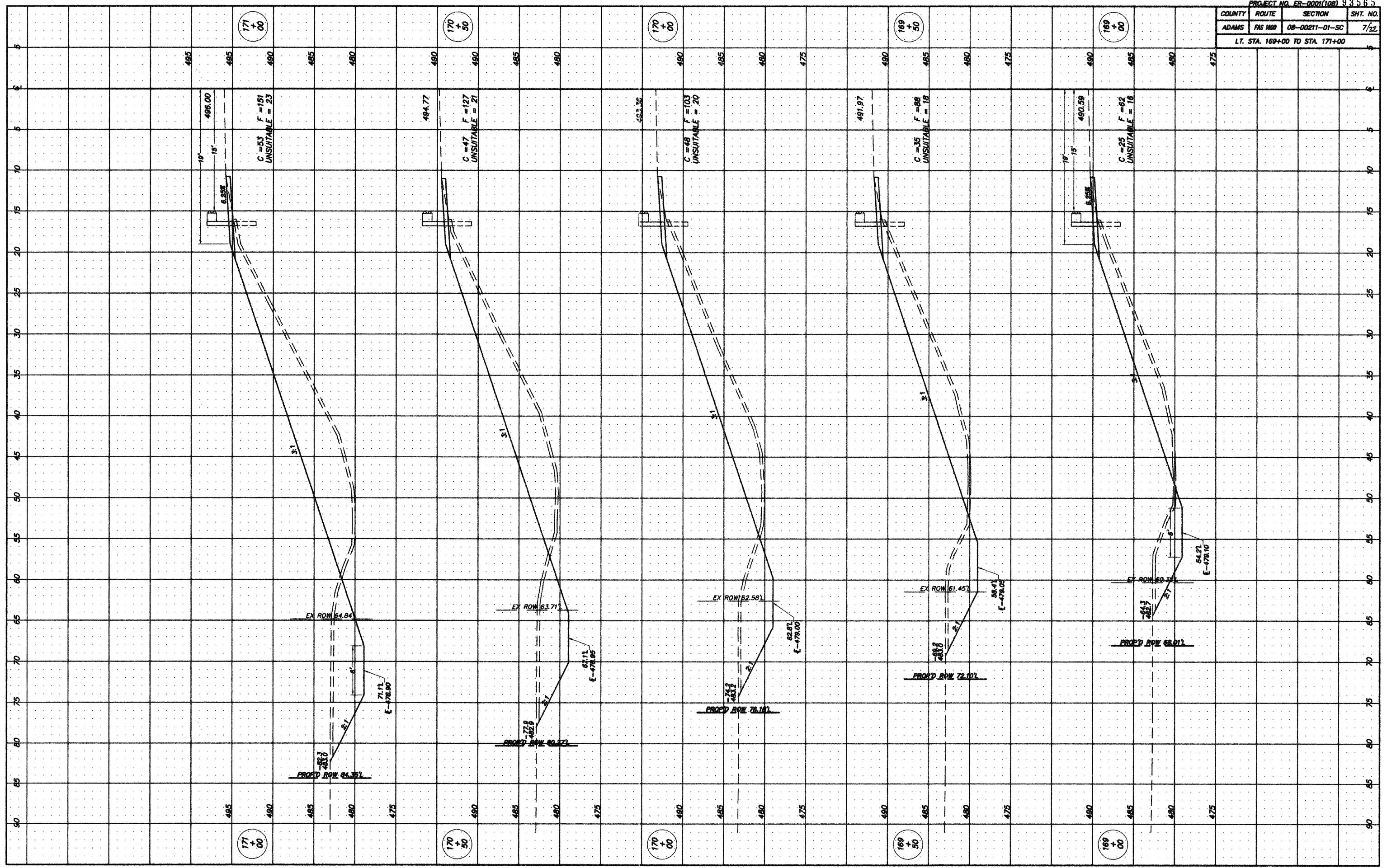
420 + 00

421 + 00

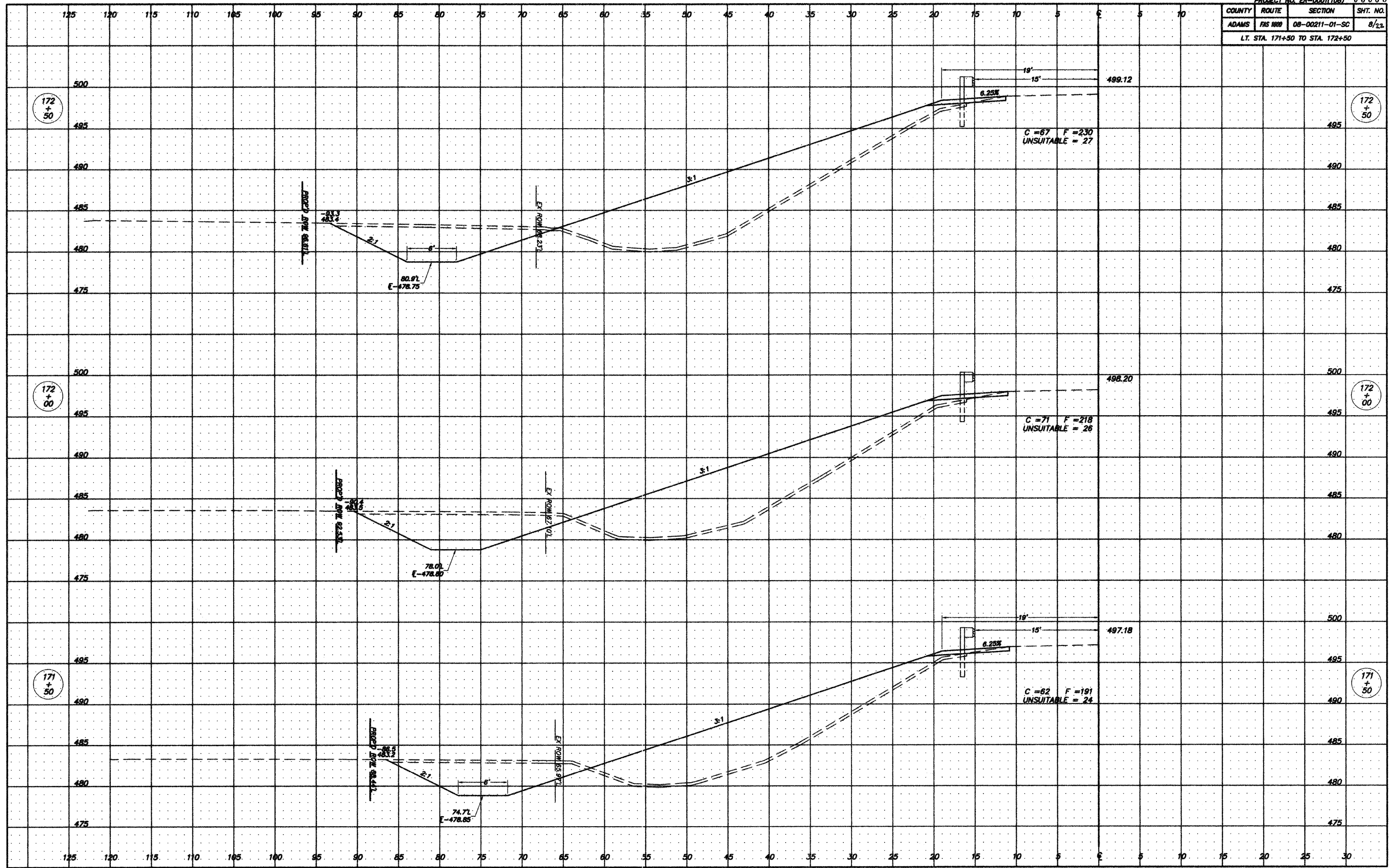
422 + 00

423 + 00

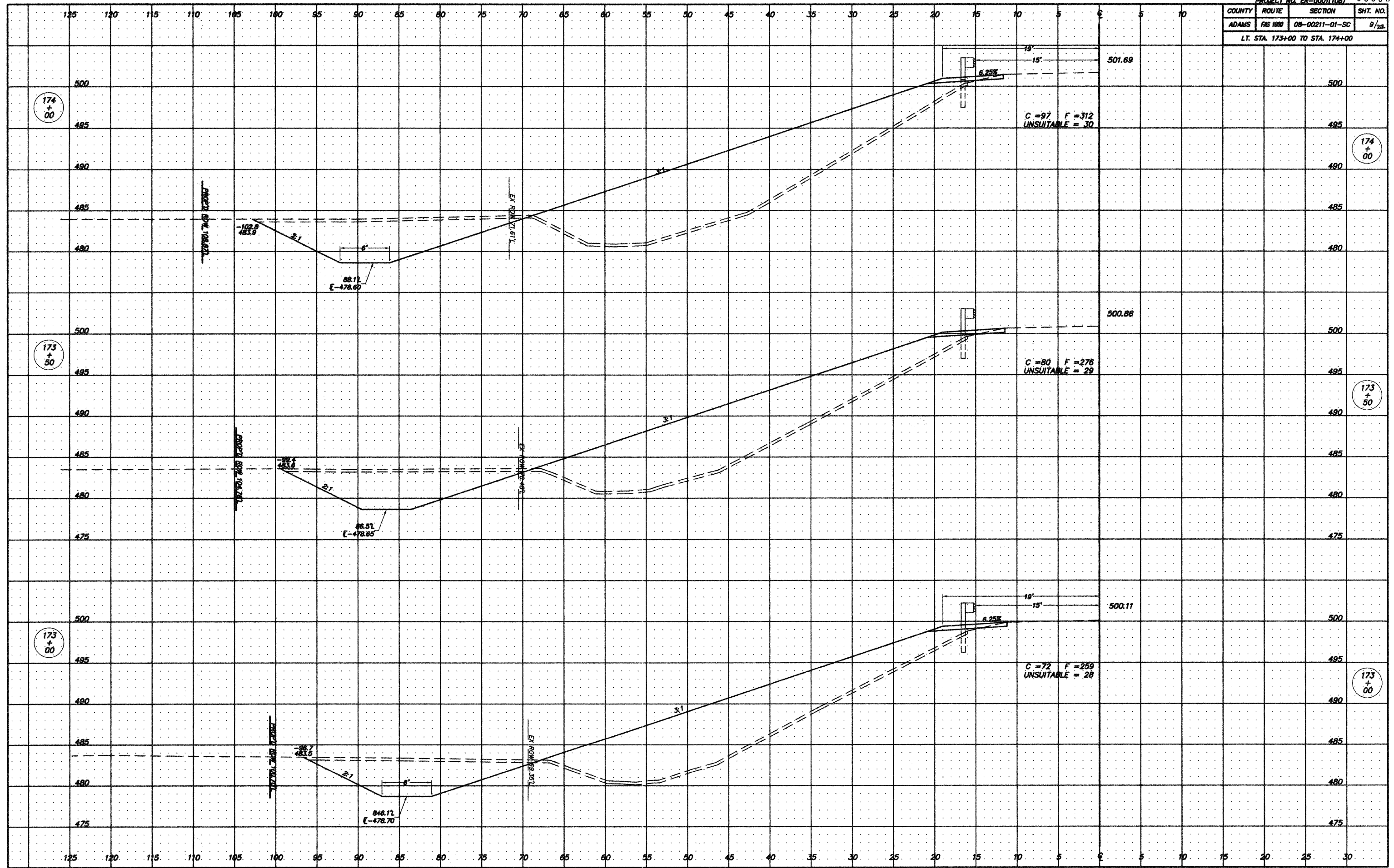
COUNTY	ROUTE	SECTION	SHT. NO.
ADAMS	FIS 1800	08-00211-01-SC	7/32
LT. STA. 168+00 TO STA. 171+00			



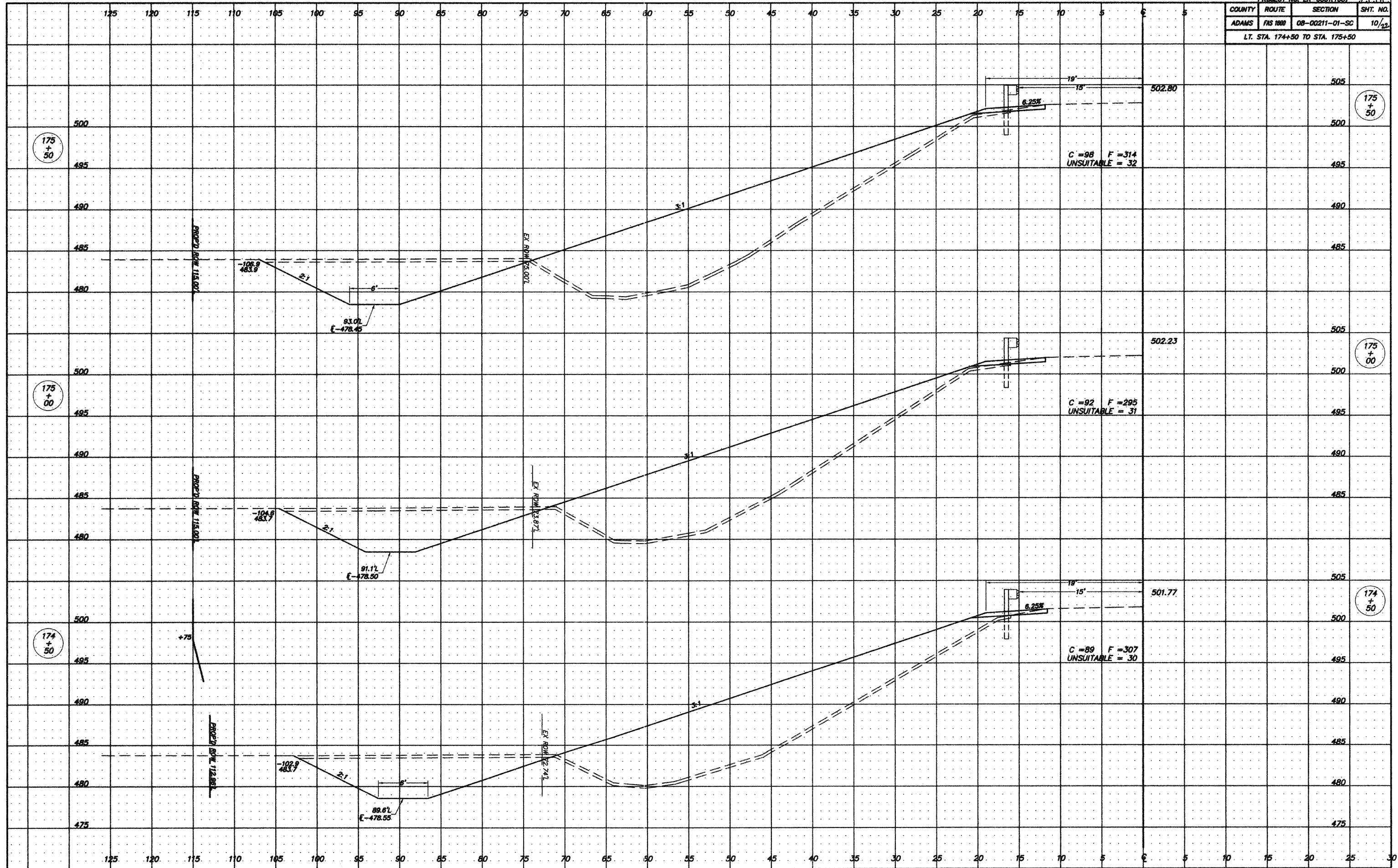
COUNTY	ROUTE	SECTION	SHT. NO.
ADAMS	FAS 1000	08-00211-01-SC	8/2a
LT. STA. 171+50 TO STA. 172+50			



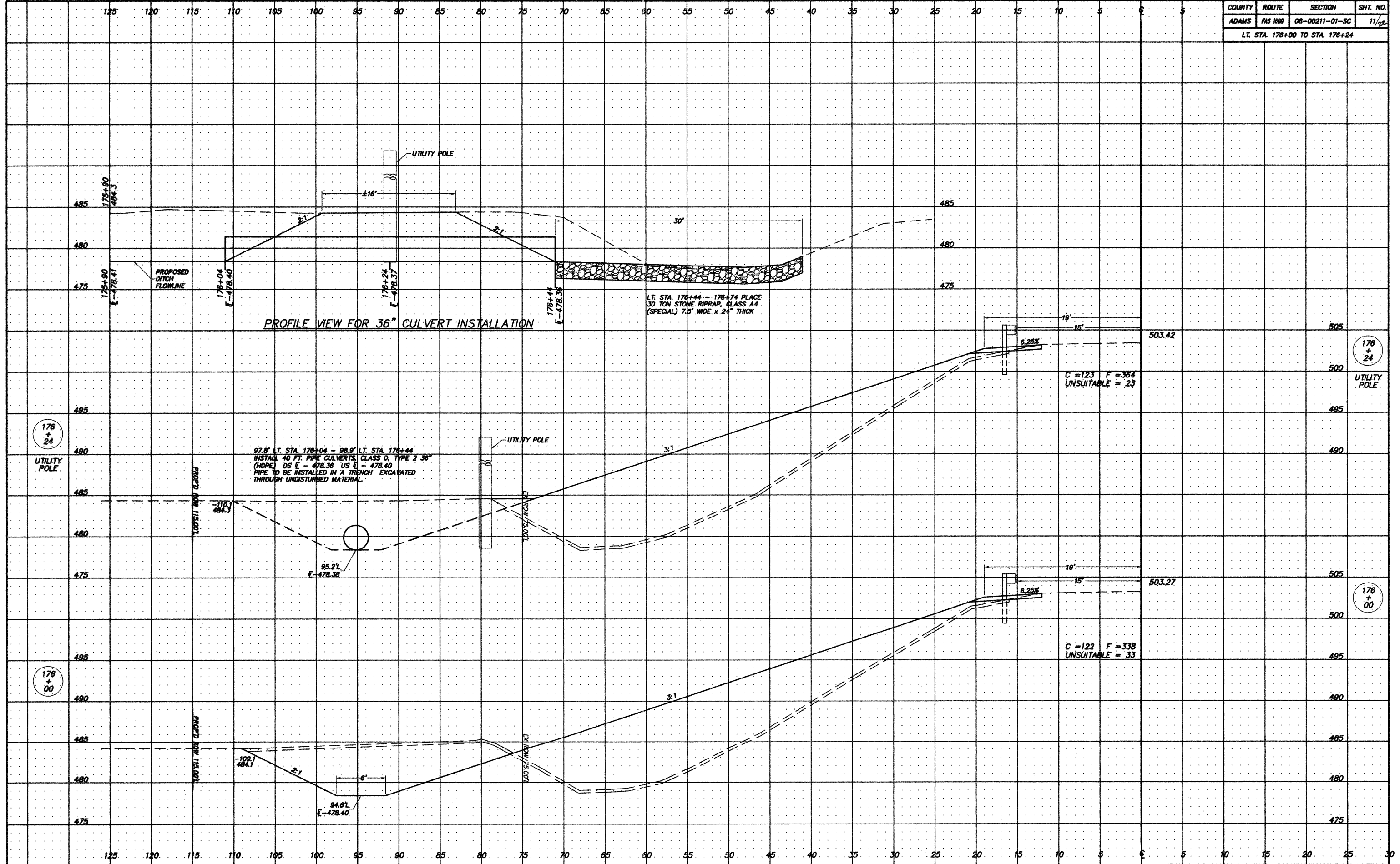
COUNTY	ROUTE	SECTION	SHT. NO.
ADAMS	FAS 100	08-00211-01-SC	9/22
LT. STA. 173+00 TO STA. 174+00			



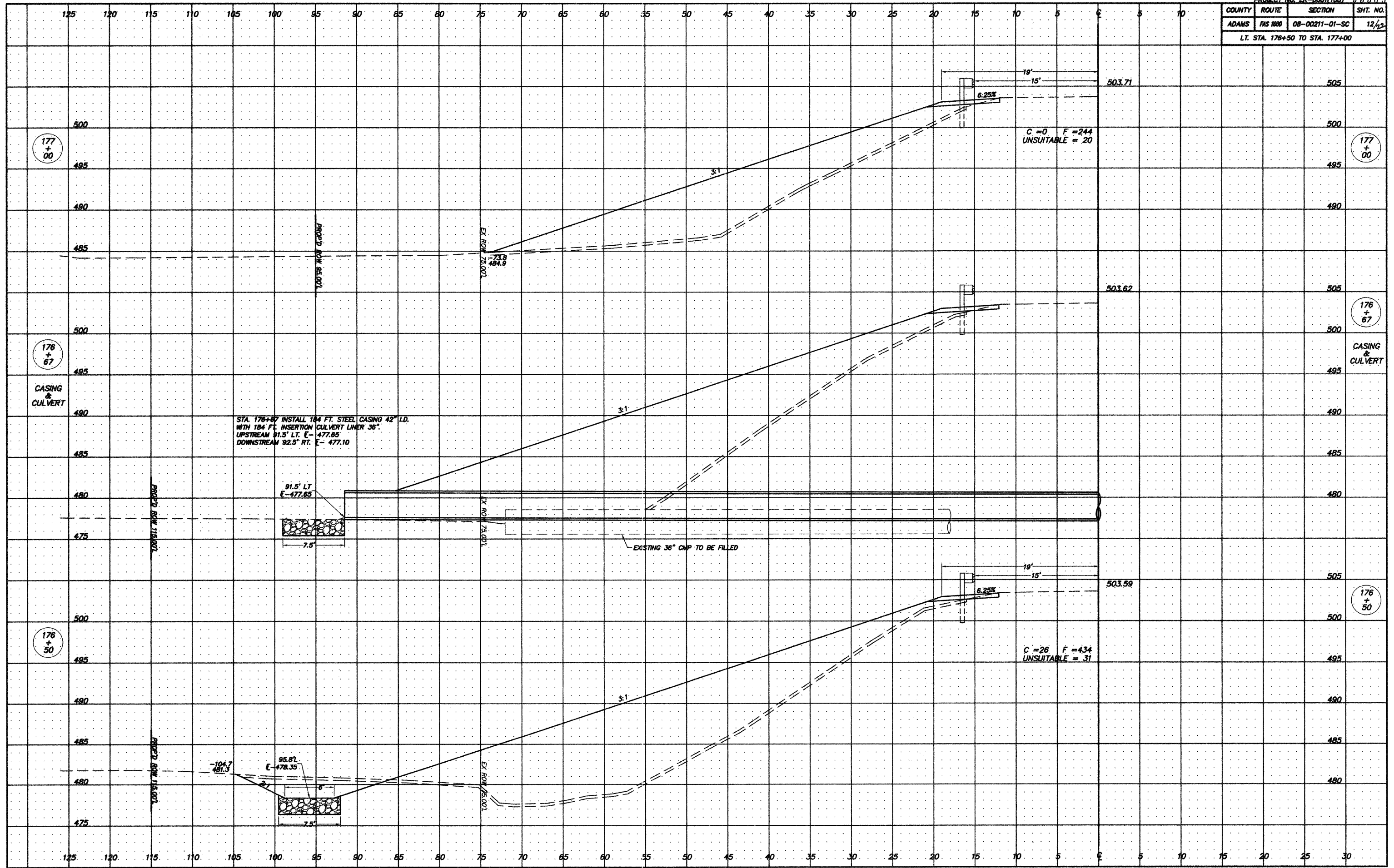
COUNTY	ROUTE	SECTION	SHT. NO.
ADAMS	FAS 1000	08-00211-01-SC	10/22
LT. STA. 174+50 TO STA. 175+50			



COUNTY	ROUTE	SECTION	SHT. NO.
ADAMS	FAS 1800	08-00211-01-SC	11/12
LT. STA. 176+00 TO STA. 176+24			



COUNTY	ROUTE	SECTION	SHT. NO.
ADAMS	FAS 1800	08-00211-01-SC	12/2
LT. STA. 178+50 TO STA. 177+00			



STA. 178+67 INSTALL 184 FT. STEEL CASING 42" I.D. WITH 184 FT. INSERTION CULVERT LINER 36" UPSTREAM 91.5' LT. E- 477.85 DOWNSTREAM 92.5' RT. E- 477.10

C=0 F=244 UNSUITABLE=20

C=26 F=434 UNSUITABLE=31

EXISTING 36" CMP TO BE FILLED

177+00

177+00

176+67

176+67

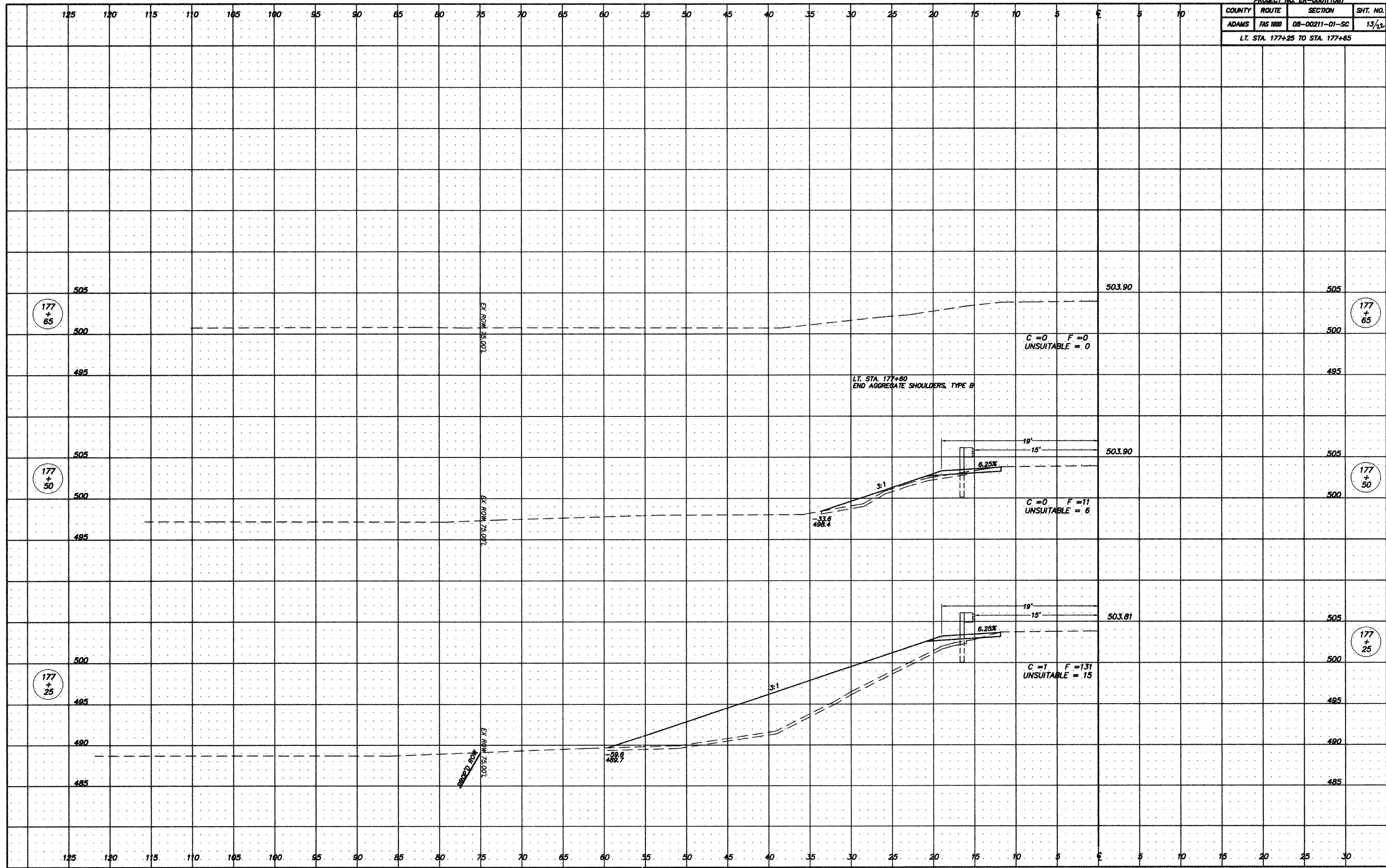
176+50

176+50

CASING & CULVERT

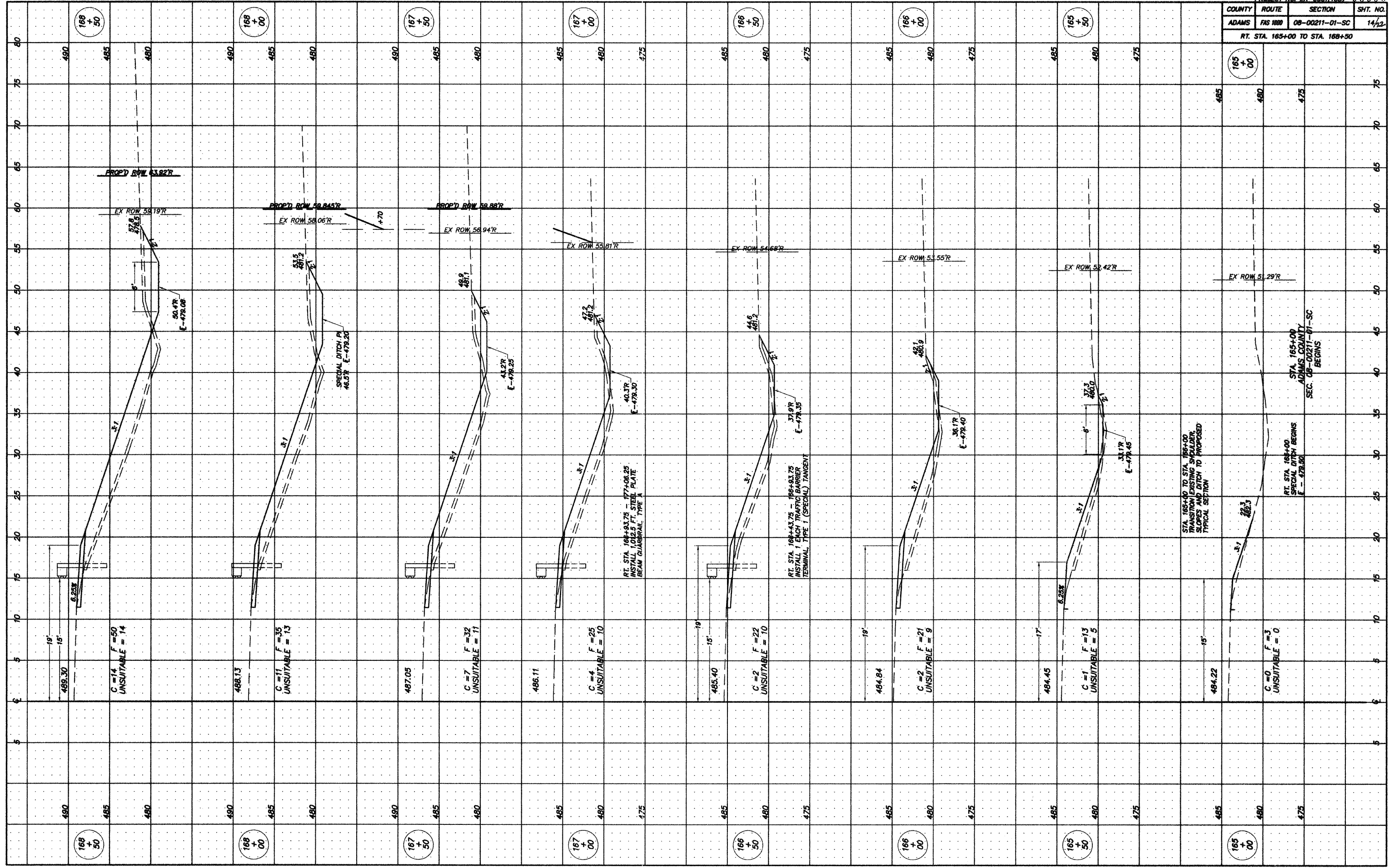
CASING & CULVERT

COUNTY	ROUTE	SECTION	SHT. NO.
ADAMS	FAS 1000	08-00211-01-SC	13/22
LT. STA. 177+25 TO STA. 177+85			



COUNTY	ROUTE	SECTION	SHT. NO.
ADAMS	FAS 1800	08-00211-01-SC	14/22

RT. STA. 165+00 TO STA. 168+50



168 + 50

168 + 00

167 + 50

167 + 00

166 + 50

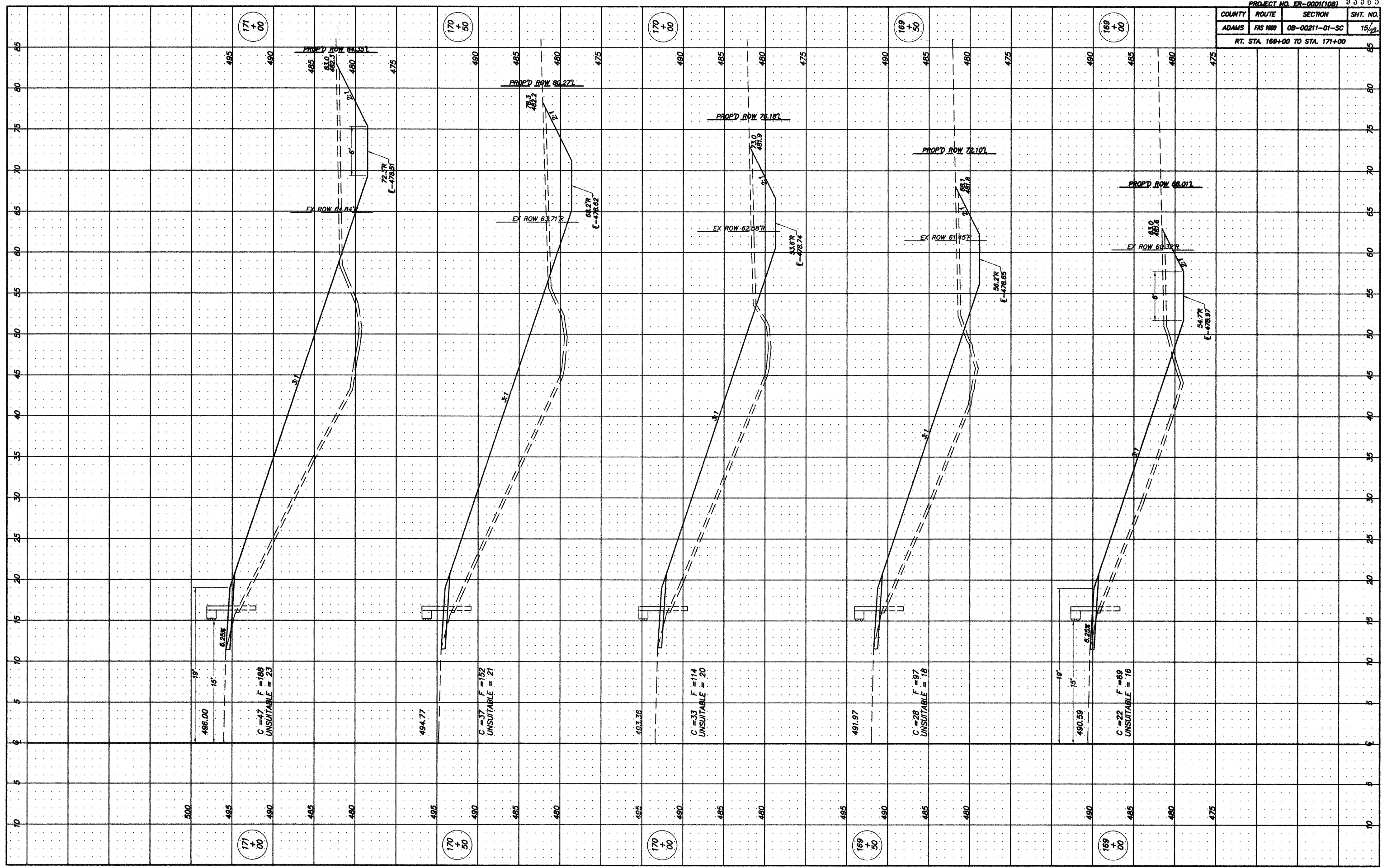
166 + 00

165 + 50

165 + 00

490 485 480 475 470 465 460 455 450 445 440 435 430 425 420 415 410 405 400 395 390 385 380 375 370 365 360 355 350 345 340 335 330 325 320 315 310 305 300 295 290 285 280 275 270 265 260 255 250 245 240 235 230 225 220 215 210 205 200 195 190 185 180 175 170 165 160 155 150 145 140 135 130 125 120 115 110 105 100 95 90 85 80 75 70 65 60 55 50 45 40 35 30 25 20 15 10 5 0

COUNTY	ROUTE	SECTION	SHT. NO.
ADAMS	FIS 180	08-00211-01-SC	15/22
RT. STA. 168+00 TO STA. 171+00			



171+00

170+50

170+00

169+50

169+00

171+00

170+50

170+00

169+50

169+00

496.00
19'
15'
C=47 F=188
UNSUITABLE=23

494.77
C=37 F=152
UNSUITABLE=21

493.36
C=33 F=114
UNSUITABLE=20

491.97
C=28 F=97
UNSUITABLE=18

490.59
19'
15'
C=22 F=89
UNSUITABLE=16

PROP'D ROW 64.35L
EX ROW 64.84L
72.7R
E-478.51

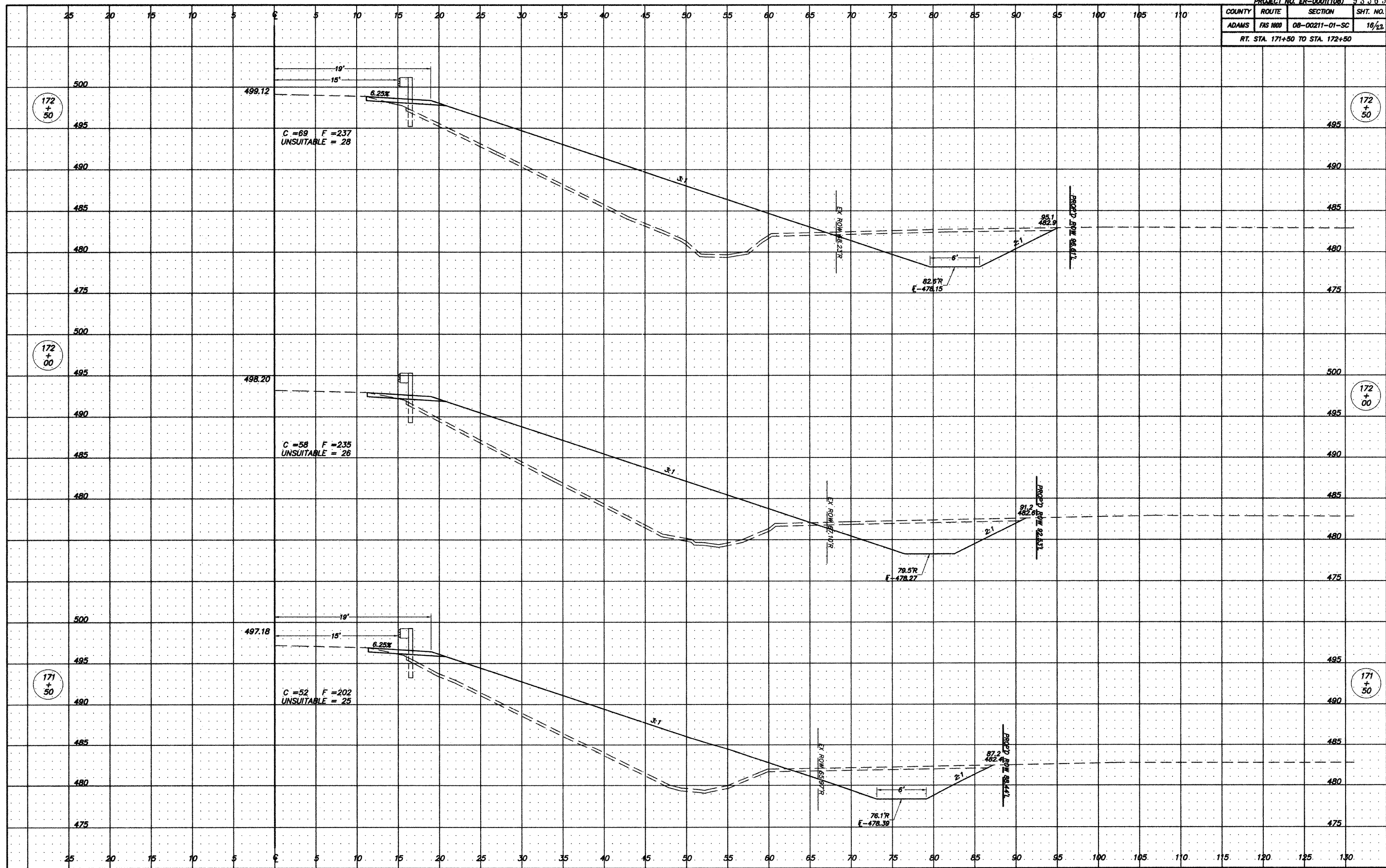
PROP'D ROW 60.27L
EX ROW 63.71R
78.2
E-478.62

PROP'D ROW 76.18L
EX ROW 62.58R
81.9
E-478.74

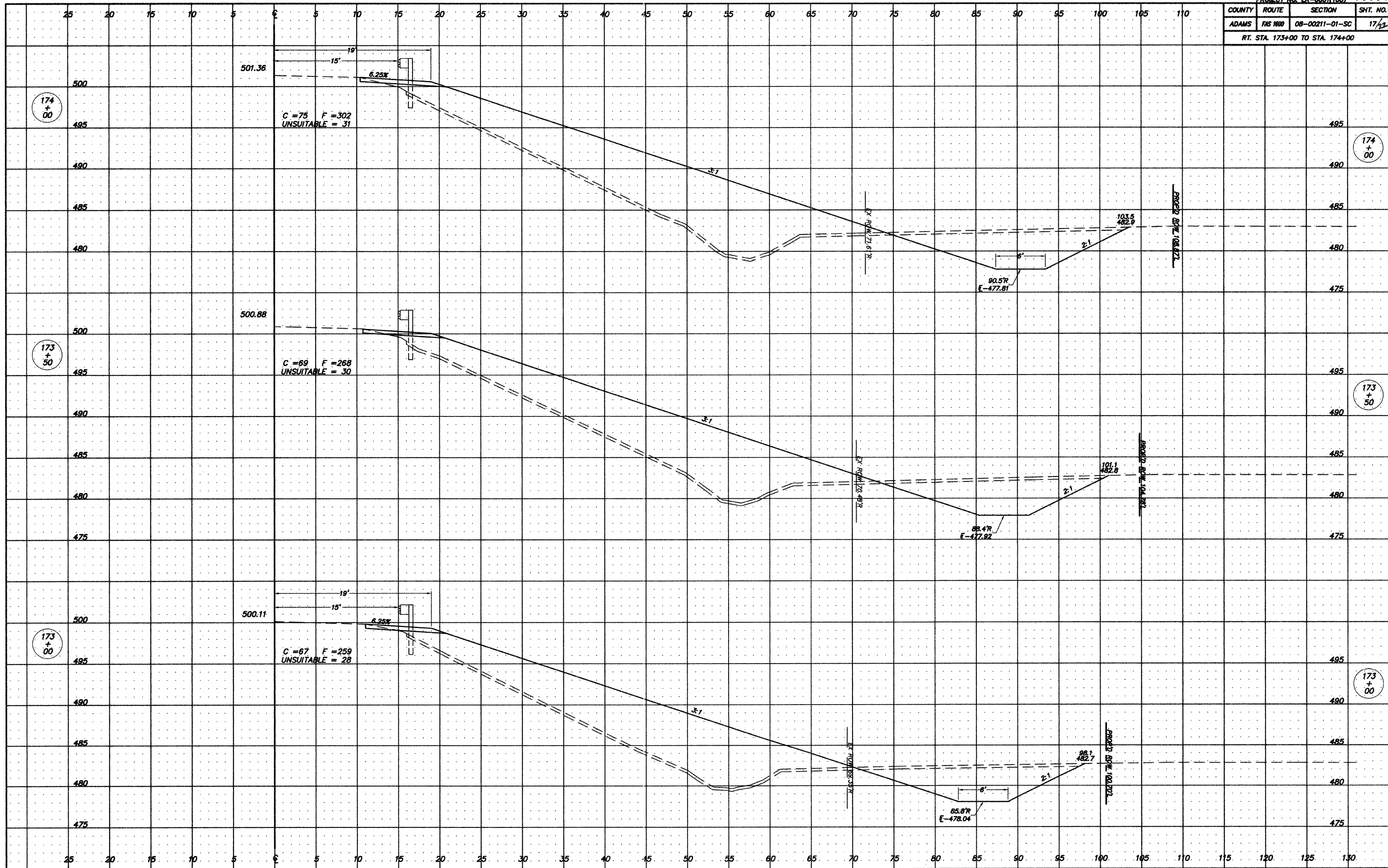
PROP'D ROW 72.10L
EX ROW 61.45R
86.1
E-478.85

PROP'D ROW 68.01L
EX ROW 60.33R
81.6
E-478.97

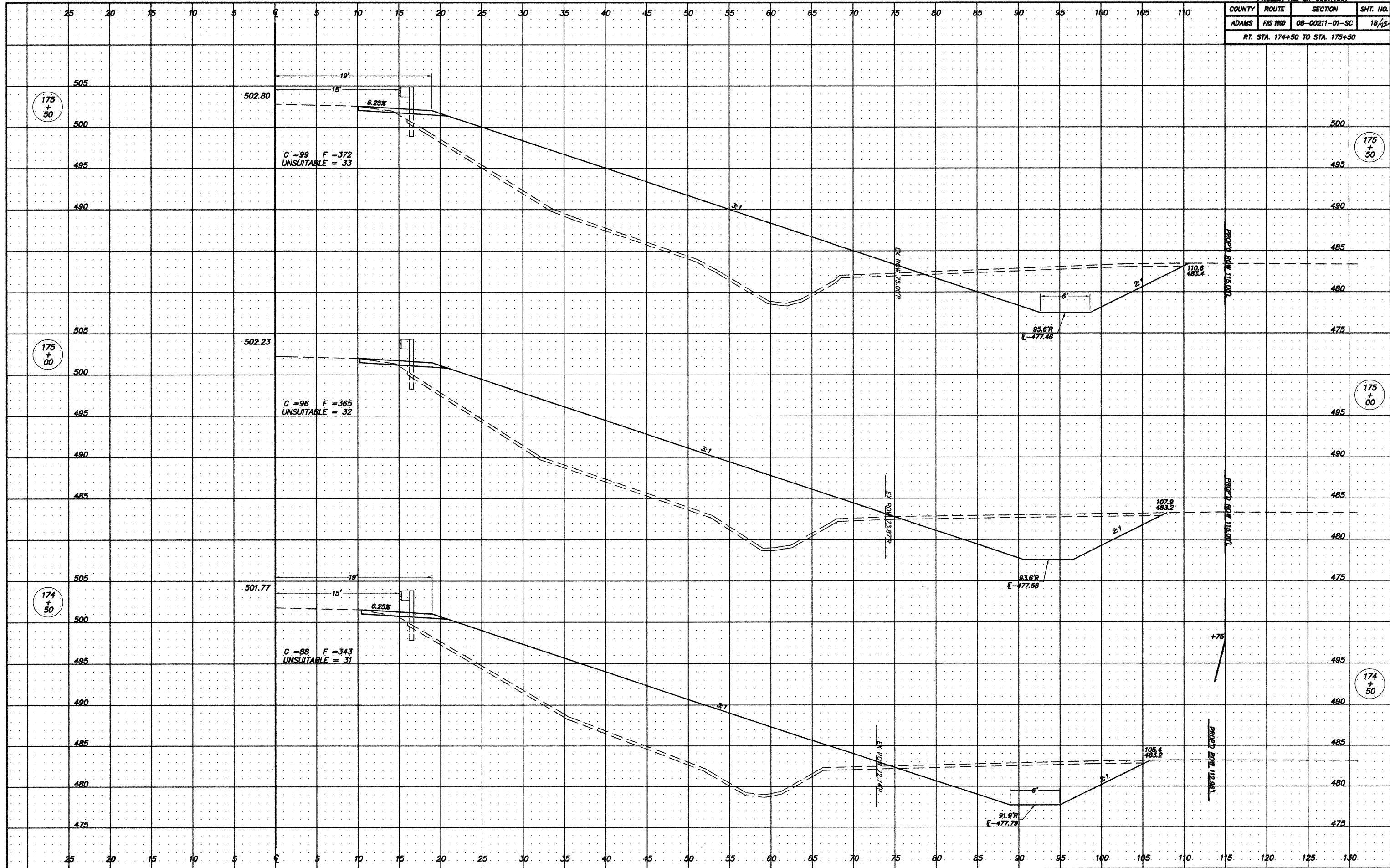
COUNTY	ROUTE	SECTION	SHT. NO.
ADAMS	FAS 1600	08-00211-01-SC	16/22
RT. STA. 171+50 TO STA. 172+50			



COUNTY	ROUTE	SECTION	SHT. NO.
ADAMS	1800	08-00211-01-SC	17/21
RT. STA. 173+00 TO STA. 174+00			

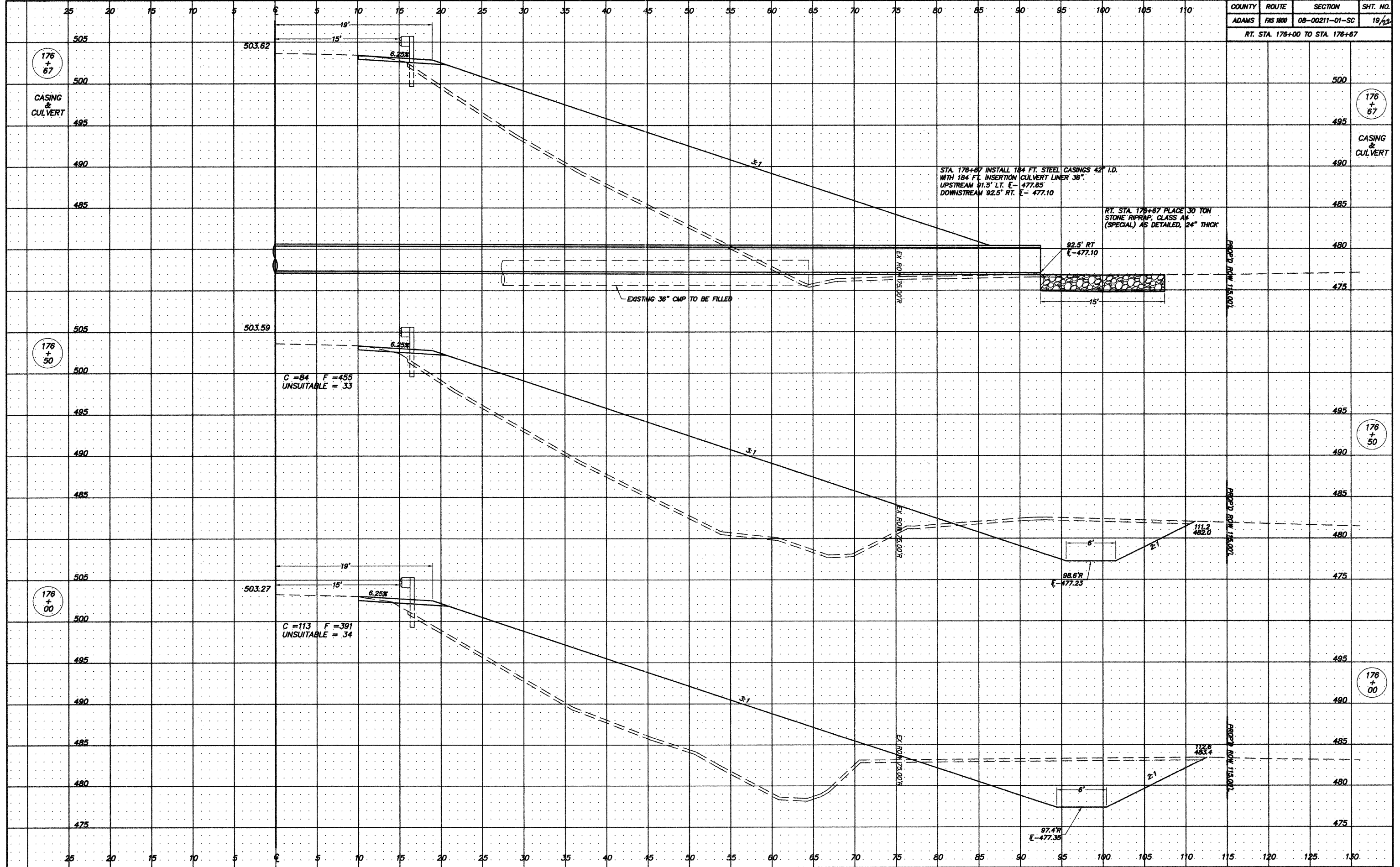


COUNTY	ROUTE	SECTION	SHT. NO.
ADAMS	FAS 1000	08-00211-01-SC	18/12
RT. STA. 174+50 TO STA. 175+50			

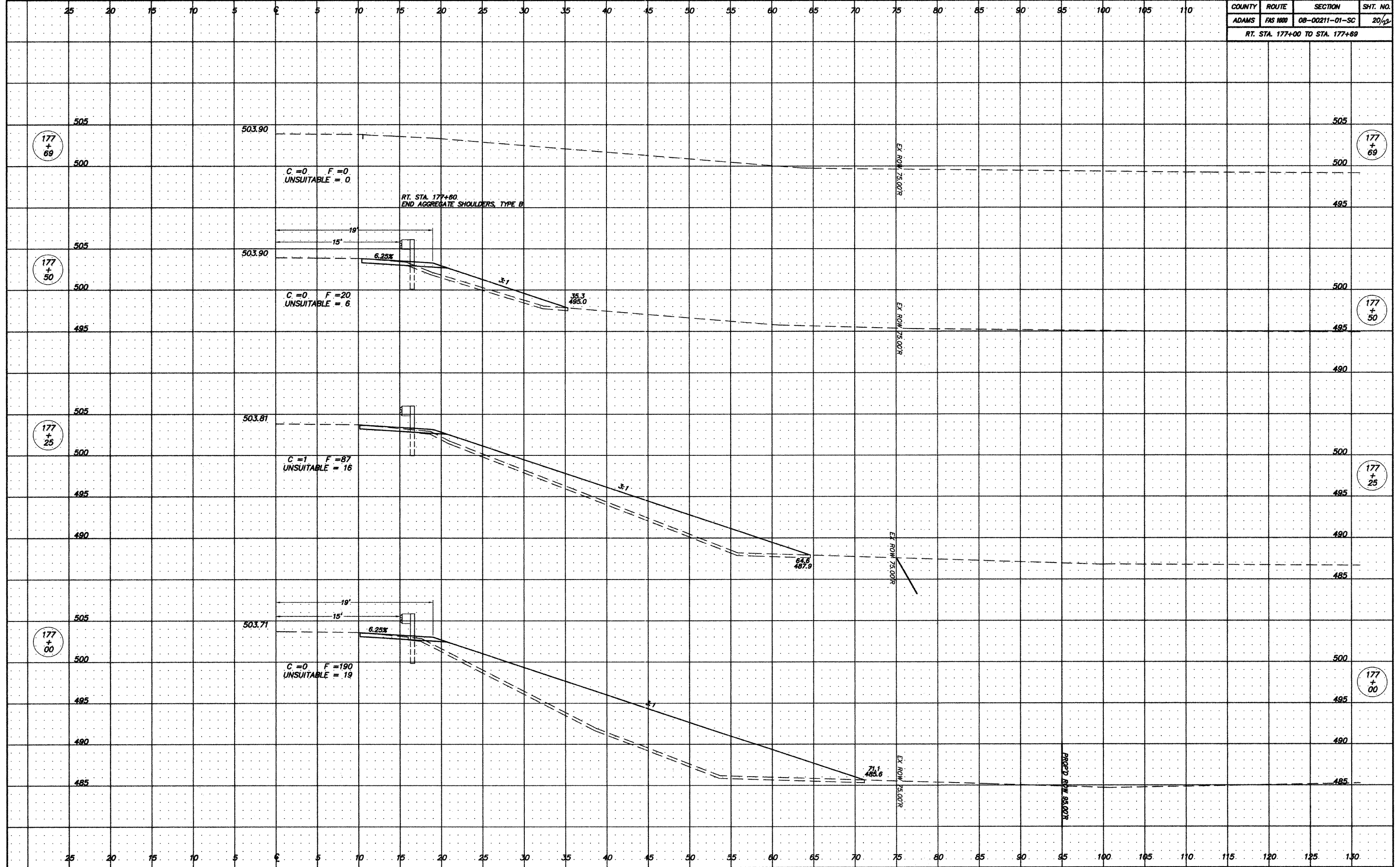


COUNTY	ROUTE	SECTION	SHT. NO.
ADAMS	FAS 1800	08-00211-01-SC	19/2

RT. STA. 176+00 TO STA. 176+67



COUNTY	ROUTE	SECTION	SHT. NO.
ADAMS	FAS 1800	08-00211-01-SC	20/22
RT. STA. 177+00 TO STA. 177+89			



STORM WATER POLLUTION PREVENTION PLAN

THE FOLLOWING PLAN IS ESTABLISHED AND INCORPORATED TO DIRECT THE CONTRACTOR IN THE PLACEMENT OF TEMPORARY EROSION CONTROL SYSTEMS AND TO PROVIDE A STORM SEWER WATER POLLUTION PREVENTION PLAN FOR COMPLIANCE UNDER NPDES.

THE PURPOSE OF THIS PLAN IS TO MINIMIZE EROSION WITHIN THE CONSTRUCTION SITE AND TO LIMIT SEDIMENTS FROM LEAVING THE CONSTRUCTION SITE BY UTILIZING PROPER TEMPORARY EROSION CONTROL SYSTEMS AND PROVIDING GROUND COVER WITHIN A REASONABLE AMOUNT OF TIME.

CERTAIN EROSION CONTROL FACILITIES SHALL BE INSTALLED BY THE CONTRACTOR AT THE BEGINNING OF CONSTRUCTION. OTHER ITEMS SHALL BE INSTALLED BY THE CONTRACTOR AS DIRECTED BY THE ENGINEER ON A CASE BY CASE SITUATION DEPENDING ON THE CONTRACTOR'S SEQUENCE OF ACTIVITIES, TIME OF YEAR, AND EXPECTED WEATHERS CONDITIONS.

THE CONTRACTOR SHALL INSTALL PERMANENT EROSION CONTROL SYSTEMS AND SEEDING WITHIN A TIME FRAME SPECIFIED HEREIN AND AS DIRECTED BY THE ENGINEER, THEREFORE MINIMIZING THE AMOUNT OF AREA SUSCEPTIBLE TO EROSION AND REDUCING THE AMOUNT OF TEMPORARY SEEDING. THE ENGINEER WILL DETERMINE IF ANY TEMPORARY EROSION CONTROL SYSTEMS SHOWN IN THE PLANS CAN BE DELETED AND IF ANY ADDITIONAL TEMPORARY EROSION CONTROL NOT INCLUDED IN THIS PLAN, SHALL BE ADDED. THE CONTRACTOR SHALL PERFORM ALL WORK AS DIRECTED BY THE ENGINEER AND AS SHOWN IN STANDARD 280001 OF THE PLANS.

SECTION 280, TEMPORARY EROSION CONTROL, OF THE STANDARD SPECIFICATIONS AND HIGHWAY STANDARD 280001 ADDITIONALLY SUPPLEMENT THIS PLAN.

OTHER REPORTS, STUDIES AND PLANS WHICH AID IN THE DEVELOPMENT OF THE STORM WATER POLLUTION PREVENTION PLAN AS REFERENCED DOCUMENTS:

1. INFORMATION OF THE SOILS AND TERRAIN WITHIN THE SITE WAS OBTAINED FROM TOPOGRAPHIC SURVEYS, SOIL MAPS AND/OR SOIL BORINGS THAT WERE USED UTILIZED FOR THE DEVELOPMENT OF THE PROPOSED TEMPORARY EROSION CONTROL SYSTEMS.
2. PROJECT PLAN DOCUMENTS, SPECIFICATIONS AND SPECIAL PROVISIONS, AND PLAN DRAWINGS INDICATING DRAINAGE PATTERNS AND APPROXIMATE SLOPES ANTICIPATED AFTER GRADING ACTIVITIES WERE UTILIZED FOR THE PROPOSED PLACEMENT OF THE TEMPORARY EROSION CONTROL SYSTEM.

SITE DESCRIPTION

AREA OF CONSTRUCTION SITE: 4.7 ACRES

THE TOTAL AREA OF THE CONSTRUCTION SITE IS ESTIMATED TO BE 4.7 ACRES OF WHICH 3.5 ACRES WILL BE DISTURBED BY EXCAVATION, GRADING AND OTHER ACTIVITIES.

DRAINAGE TRIBUTARIES AND SENSITIVE AREAS RECEIVING RUNOFF FROM THIS CONSTRUCTION SITE:

1. INTERIOR DRAINAGE AND LEVEE TOE DRAINAGE DITCH OF THE HUNT / LIMA LEVEE AND DRAINAGE DISTRICT.

DESCRIPTION OF CONSTRUCTION ACTIVITIES:

1. THE PROJECT CONSISTS OF THE REPAIR OF THE ROADWAY EMBANKMENT BY PLACING FILL MATERIAL TO FLATTEN THE EMBANKMENT SLOPE AGAINST THE BENCHED EXISTING EMBANKMENT.
2. CONSTRUCTION ACTIVITIES INCLUDE EARTH EXCAVATION, EMBANKMENT, REMOVAL AND REPLACEMENT OF EXISTING GUARD RAIL, INSTALLATION OF A CASING AND PIPE UNDER THE EXISTING ROADWAY AND SEEDING OF THE DISTURBED AREAS.

DESCRIPTION OF INTENDED SEQUENCE FOR MAJOR CONSTRUCTION ACTIVITIES WHICH WILL DISTURB SOILS FOR MAJOR PORTIONS OF THE CONSTRUCTION SITE:

1. TREE REMOVAL AS SHOWN ON THE PLANS. REMAINING TREES TO BE PROTECTED AGAINST DAMAGE.
2. EXCAVATION AND EMBANKMENT WILL BE COMPLETED ALONG THE JOB SITE TO GRADE OUT FOR THE PROPOSED ROADWAY AND DRAINAGE WAYS.
3. DRAINAGE STRUCTURES, STORM SEWER AND CULVERTS.
4. PLACEMENT, MAINTENANCE, REMOVAL AND PROPER CLEAN-UP OF TEMPORARY EROSION CONTROL, SUCH AS PERIMETER EROSION CONTROL BARRIER, TEMPORARY DITCH CHECKS, INLET AND PIPE PROTECTION, TEMPORARY SEEDING, ETC.
5. FINAL GRADING, PAVING AND OTHER MISCELLANEOUS ITEMS.
6. PLACEMENT OF PERMANENT EROSION CONTROL, SUCH AS RIPRAP DITCH, AND EROSION CONTROL BLANKET, SEEDING, ETC.

CONTROLS - EROSION CONTROLS AND SEDIMENT CONTROL

DESCRIPTION OF STABILIZATION PRACTICES AT THE BEGINNING OF CONSTRUCTION

1. THE DRAWINGS, SPECIFICATIONS AND SPECIAL PROVISIONS WILL ENSURE THAT EXISTING VEGETATION IS PRESERVED WHERE ATTAINABLE AND DISTURBED PORTIONS OF THE SITE WILL BE STABILIZED. STABILIZATION PRACTICES INCLUDE: TEMPORARY SEEDING, PERMANENT SEEDING, MULCHING, PROTECTION OF TREES, PRESERVATION OF MATURE VEGETATION, AND OTHER APPROPRIATE MEASURES AS DIRECTED BY THE ENGINEER. STABILIZATION MEASURES SHALL BE INITIATED AS SOON AS PRACTICABLE IN PORTIONS OF THE SITE WHERE CONSTRUCTION ACTIVITIES HAVE TEMPORARILY OR PERMANENTLY CEASED, BUT IN NO CASE MORE THAN SEVEN (7) DAYS AFTER THE CONSTRUCTION ACTIVITY IN THAT PORTION OF THE SITE HAS TEMPORARILY OR PERMANENTLY CEASED.

- (a.) AREAS OF EXISTING VEGETATION (WOOD AND GRASSLAND) OUTSIDE THE PROPOSED CONSTRUCTION LIMITS SHALL BE IDENTIFIED BY THE ENGINEER FOR PRESERVING AND SHALL BE PROTECTED FROM CONSTRUCTION ACTIVITIES.
 - (b.) DEAD, DISEASED OR UNSUITABLE VEGETATION WITHIN THE SITE SHALL BE REMOVED AS DIRECTED BY THE ENGINEER, ALONG WITH THE REQUIRED TREE REMOVAL.
 - (c.) AS SOON AS REASONABLE ACCESS IS AVAILABLE TO ALL LOCATIONS WHERE WATER DRAINS AWAY FROM THE PROJECT, TEMPORARY DITCH CHECKS, INLET AND PIPE PROTECTION, AND PERIMETER EROSION BARRIER SHALL BE INSTALLED AS CALLED OUT IN THIS PLAN AND AS DIRECTED BY THE ENGINEER.
 - (d.) BARE AND SPARSELY VEGETATED GROUND IN HIGH ERODABLE AREAS AS DETERMINED BY THE ENGINEER SHALL BE TEMPORARILY SEEDED WHERE NO CONSTRUCTION ACTIVITIES ARE EXPECTED WITHIN SEVEN (7) DAYS.
 - (e.) IMMEDIATELY AFTER TREE REMOVAL IS COMPLETED, AREAS WHICH ARE HIGHLY ERODABLE AS DETERMINED BY THE ENGINEER, SHALL BE TEMPORARILY SEEDED WHEN NO CONSTRUCTION ACTIVITIES ARE EXPECTED WITHIN SEVEN (7) DAYS.
 - (f.) AT LOCATIONS WHERE A SIGNIFICANT AMOUNT OF WATER DRAINS INTO THE CONSTRUCTION ZONE FROM OUTSIDE AREAS (ADJACENT LANDOWNERS), TEMPORARY DITCH CHECKS WILL BE UTILIZED TO LOCALLY DIVERT WATER, REDUCE FLOW RATES, AND COLLECT OUTSIDE SILTATION INSIDE THE RIGHT-OF-WAY LINE.
2. ESTABLISHMENT OF THESE TEMPORARY EROSION CONTROL MEASURES WILL HAVE ADDITIONAL BENEFITS TO THE PROJECT. DESIRABLE GRASS SEED WILL BECOME ESTABLISHED IN THESE AREAS AND SPREAD SEEDS ONTO THE CONSTRUCTION SITE UNTIL PERMANENT SEEDING / MOWING AND OVERSEEDING CAN BE COMPLETED.

DESCRIPTION OF STABILIZATION PRACTICES DURING CONSTRUCTION:

1. DURING CONSTRUCTION, AREAS OUTSIDE THE CONSTRUCTION LIMITS AS OUTLINED PREVIOUSLY HEREIN SHALL BE PROTECTED. THE CONTRACTOR SHALL NOT USE THIS AREA FOR STAGING (EXCEPT AS DESCRIBED ON THE PLANS AND DIRECTED BY THE ENGINEER), PARKING OF VEHICLES OR CONSTRUCTION EQUIPMENT, STORAGE OF MATERIALS, OR OTHER CONSTRUCTION RELATED ACTIVITIES.
 - (a.) WITHIN THE CONSTRUCTION LIMITS, AREAS WHICH MAY BE SUSCEPTIBLE TO EROSION AS DETERMINED BY THE ENGINEER SHALL REMAIN UNDISTURBED UNTIL FULL SCALE CONSTRUCTION IS UNDERWAY TO PREVENT UNNECESSARY SOIL EROSION.
 - (b.) EARTH STOCKPILES SHALL BE TEMPORARY SEEDED IF THEY ARE TO REMAIN UNUSED FOR MORE THAN FOURTEEN (14) DAYS.
 - (c.) AS CONSTRUCTION PROCEEDS, THE CONTRACTOR SHALL INSTITUTE THE FOLLOWING AS DIRECTED BY THE ENGINEER.
 - (i.) PLACE TEMPORARY EROSION CONTROL FACILITIES AT LOCATIONS SHOWN ON THE PLANS.
 - (ii.) TEMPORARILY SEED ERODABLE BARE EARTH ON A WEEKLY BASIS TO MINIMIZE THE AMOUNT OF ERODABLE SURFACE AREA WITHIN THE CONTRACT LIMITS.
 - (iii.) CONSTRUCT ROADSIDE DITCHES AND PROVIDE TEMPORARY EROSION CONTROL SYSTEMS.
 - (iv.) TEMPORARILY DIVERT WATER AROUND PROPOSED CULVERT LOCATIONS.
 - (v.) BUILD NECESSARY EMBANKMENT AT CULVERT LOCATIONS AND THEN EXCAVATE AND PLACE THE CULVERT.
 - (vi.) CONTINUE BUILDUP OF THE EMBANKMENT TO THE PROPOSED GRADE WHILE AT THE SAME TIME, PLACING PERMANENT EROSION CONTROL SUCH AS RIPRAP DITCH LINING AND CONDUCTING FINAL SHAPING TO THE SLOPES.
 - (d.) EXCAVATED AREAS AND EMBANKMENT SHALL BE PERMANENTLY SEEDED IMMEDIATELY AFTER FINAL GRADING. IF NOT, THE AREAS SHALL BE TEMPORARY SEEDED IF NO CONSTRUCTION ACTIVITY IN THE AREA IS PLANNED FOR SEVEN (7) DAYS.
 - (e.) CONSTRUCTION EQUIPMENT SHALL BE STORED AND FUELED ONLY AT DESIGNATED LOCATIONS. ALL NECESSARY MEASURES SHALL BE TAKEN TO CONTAIN ANY FUEL OR OTHER POLLUTANT IN ACCORDANCE WITH EPA WATER QUALITY REGULATIONS. LEAKING EQUIPMENT OR SUPPLIES SHALL BE IMMEDIATELY REPAIRED OR REMOVED FROM THE SITE.
 - (f.) THE RESIDENT ENGINEER SHALL INSPECT THE PROJECT DAILY DURING CONSTRUCTION ACTIVITIES. INSPECTION SHALL ALSO BE DONE WEEKLY AND AFTER RAINS OF 1/2 INCH OR GREATER OR EQUIVALENT SNOWFALL AND DURING WINTER SHUTDOWN PERIOD.
 - (g.) SEDIMENT COLLECTED DURING CONSTRUCTION OF THE VARIOUS TEMPORARY EROSION CONTROL SYSTEMS SHALL BE DISPOSED OF ON THE SITE ON A REGULAR BASIS AS DIRECTED BY THE ENGINEER. THE COST OF THIS MAINTENANCE SHALL BE PAID FOR AT THE UNIT BID PRICE FOR EARTH EXCAVATION FOR EROSION CONTROL OR IN ACCORDANCE WITH ARTICLE 108.04 OF THE STANDARD SPECIFICATIONS.
 - (h.) THE TEMPORARY EROSION CONTROL SYSTEMS SHALL BE REMOVED AS DIRECTED BY THE ENGINEER AFTER USE IS NO LONGER NEEDED OR NO LONGER FUNCTIONING. THE COST OF THIS REMOVAL SHALL BE INCLUDED IN THE UNIT BID PRICE FOR VARIOUS TEMPORARY EROSION CONTROL PAY ITEMS.

DESCRIPTION OF STRUCTURAL PRACTICES AFTER FINAL GRADING:

1. TEMPORARY EROSION CONTROL SYSTEMS SHALL BE LEFT IN PLACE WITH PROPER MAINTENANCE UNTIL PERMANENT EROSION CONTROL IS IN PLACE AND WORKING PROPERLY AND ALL PROPOSED TURF AREAS SEEDED AND ESTABLISHED.
2. ONCE PERMANENT EROSION CONTROL SYSTEMS AS PROPOSED IN THE PLANS ARE FUNCTIONAL AND ESTABLISHED, TEMPORARY ITEMS SHALL BE REMOVED, CLEANED UP AND DISTURBED AREAS RESEDED.

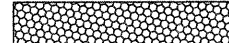





MAINTENANCE AFTER CONSTRUCTION:

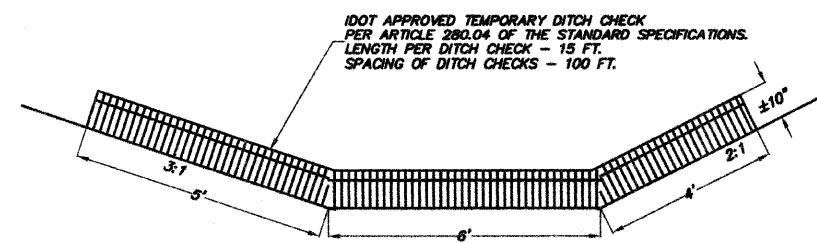
1. CONSTRUCTION IS COMPLETE AFTER ACCEPTANCE BY I.D.O.T. FINAL INSPECTION, MAINTENANCE UP TO THIS DATE WILL BE BY THE CONTRACTOR.

MISCELLANEOUS:

1. THE SPACING OF TEMPORARY DITCH CHECKS SHALL BE DETERMINED BY THE HEIGHT OF DITCH CHECK / PERCENT SLOPE OF DITCH EXPRESSED AS A DECIMAL OR AS SHOWN ON THE EROSION CONTROL PLAN
 EXAMPLE: 1 FT. DITCH CHECK HEIGHT / 0.05 (5% SLOPE) = 20 FT. SPACING.
 1 FT. DITCH CHECK HEIGHT / 0.02 (2% SLOPE) = 50 FT. SPACING.
2. TEMPORARY EROSION CONTROL SEEDING SHALL BE APPLIED AT A RATE OF 100 LBS/ACRE.
3. PERIMETER EROSION BARRIER AND SILT FENCING OR STRAW BALES WILL NOT BE PERMITTED FOR TEMPORARY OR PERMANENT DITCH CHECKS.
4. ALL EROSION CONTROL PRODUCTS FURNISHED SHALL BE SPECIFICALLY RECOMMENDED BY THE MANUFACTURER FOR THE USE SPECIFIED IN THE EROSION CONTROL PLAN. PRIOR TO APPROVAL AND USE OF THE PRODUCT, THE CONTRACTOR SHALL SUBMIT TO THE ENGINEER A NOTARIZED CERTIFICATION BY THE PRODUCER STATING THE INTENDED USE OF THE PRODUCT AND THAT THE PHYSICAL PROPERTIES REQUIRED FOR THIS APPLICATION ARE MET OR EXCEEDED. THE CONTRACTOR SHALL PROVIDE MANUFACTURER INSTALLATION PROCEDURES TO FACILITATE THE ENGINEER IN CONSTRUCTION INSPECTION.

LEGEND

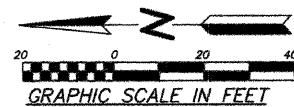
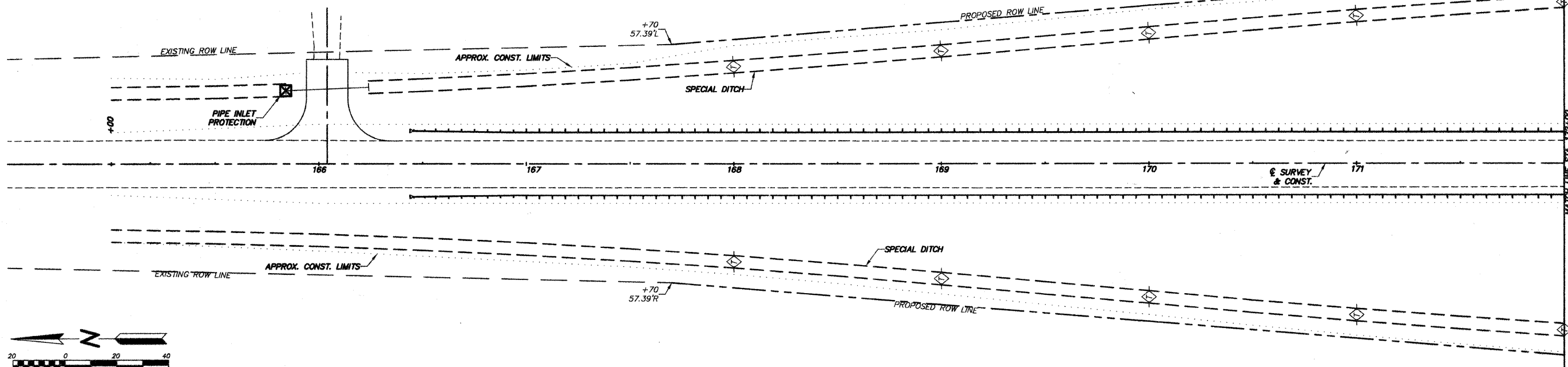
- RIPRAP RIPRAP DITCH 
- SLOPE LIMITS 
- PERIMETER EROSION BARRIER 
- TEMPORARY DITCH CHECK 
- PERMANENT DITCH CHECK 
- INLET AND PIPE PROTECTION 



TEMPORARY DITCH CHECKS

SECTION 26 - TOWNSHIP 2 NORTH - RANGE 9 WEST of the 4th P.M.

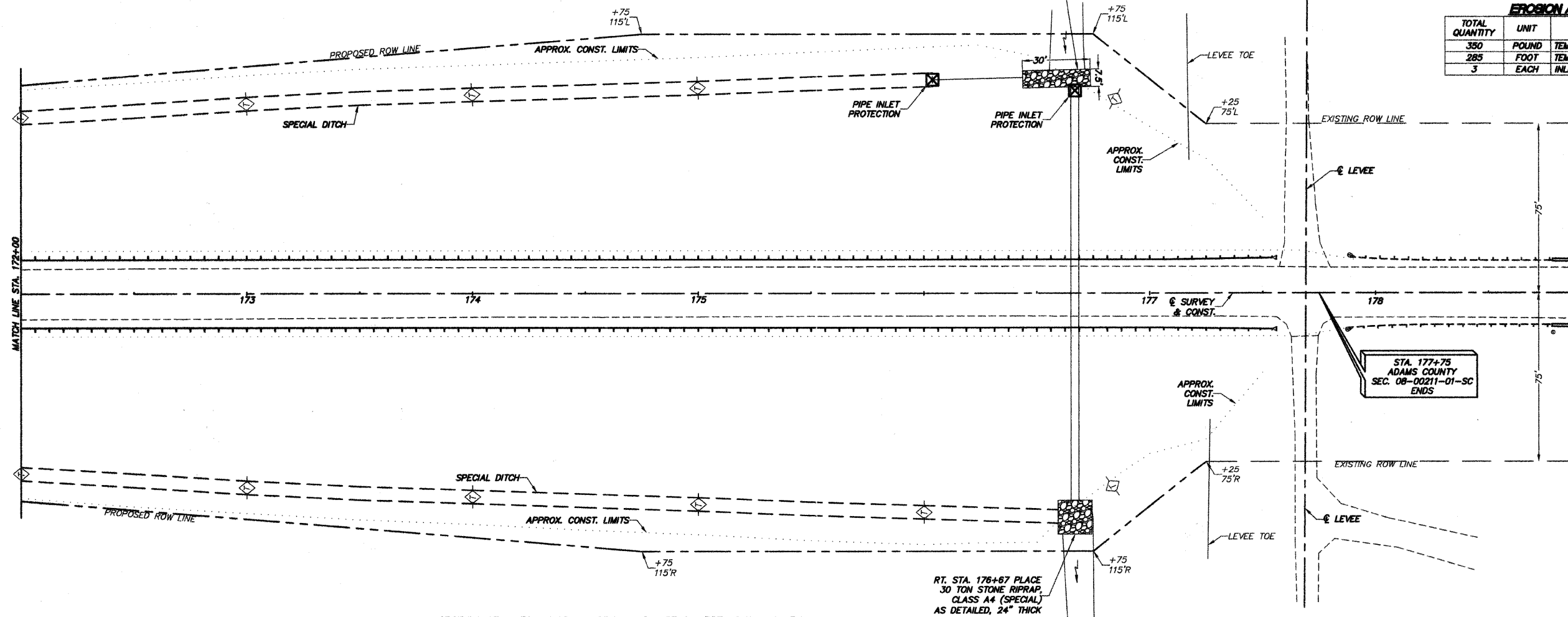
PROJECT NO. ER-0001(108) 93565			
COUNTY	ROUTE	SECTION	SHT. NO.
ADAMS	FAS 1800	08-00211-01-SC	22/2
STORMWATER POLLUTION PROTECTION PLAN			



LT. STA. 176+44 - 176+74 PLACE
30 TON STONE RIPRAP, CLASS A4
(SPECIAL) 7.5' WIDE x 24" THICK

EROSION AND SEDIMENT CONTROL

TOTAL QUANTITY	UNIT	ITEM
350	POUND	TEMPORARY EROSION CONTROL SEEDING
285	FOOT	TEMPORARY DITCH CHECKS
3	EACH	INLET AND PIPE PROTECTION



RT. STA. 176+67 PLACE
30 TON STONE RIPRAP, CLASS A4
(SPECIAL) AS DETAILED, 24" THICK

STA. 177+75
ADAMS COUNTY
SEC. 08-00211-01-SC
ENDS

SECTION 27 - TOWNSHIP 2 NORTH - RANGE 9 WEST of the 4th P.M.