

STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION
 DIVISION OF HIGHWAYS

Shelby County
 Section 05-00260-00-RS
 FAS 656
 Sheets - 59
 Contract No. 95488

**PLANS FOR PROPOSED
 SURFACE TRANSPORTATION
 PROGRAM RURAL**

FOR INDEX OF PLAN SHEETS, SEE SHEET NO. 2
 OF 59 SHEETS

FOR LIST OF HIGHWAY STANDARDS
 SEE SHEET NO. 2 OF 59 SHEETS

DESIGN INFORMATION

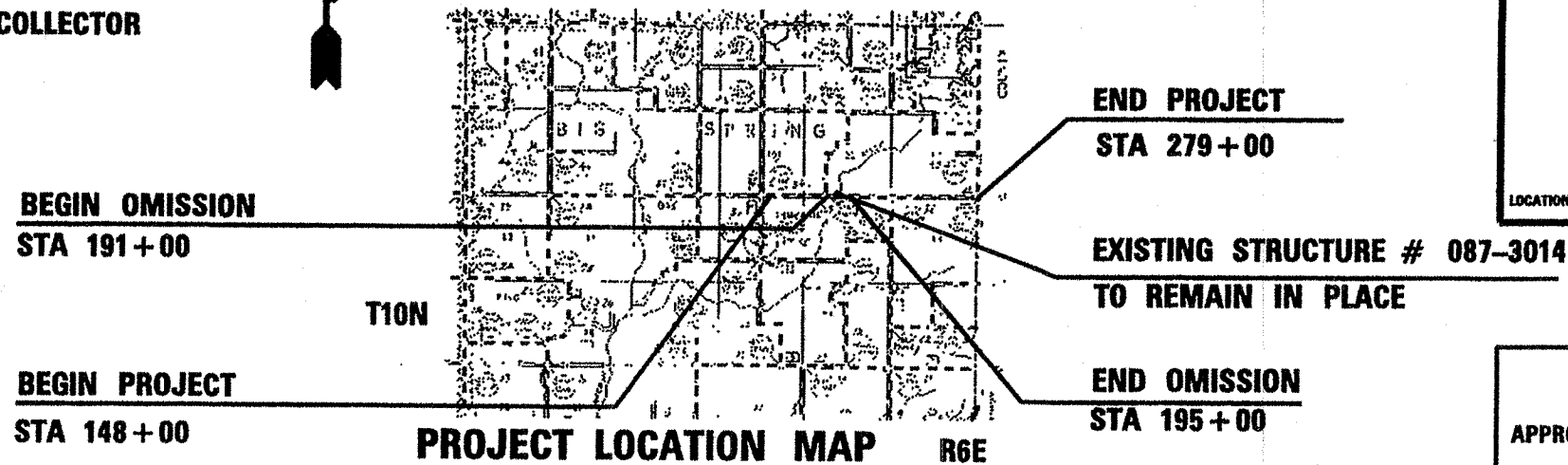
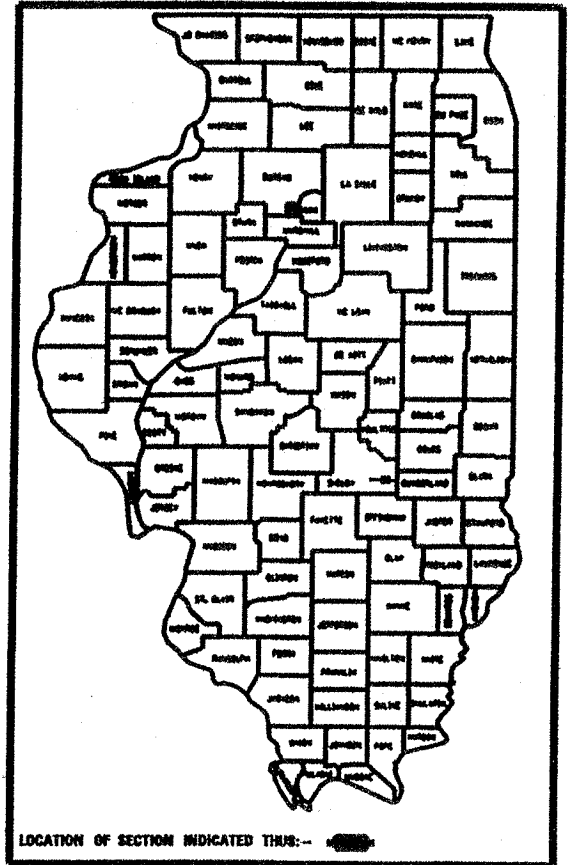
3R GUIDELINES

FUNCTIONAL CLASS: RURAL MAJOR COLLECTOR

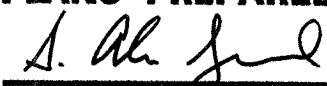
DESIGN SPEED - 60 M.P.H.
 ADT - 2050



SHELBY COUNTY
 SECTION 05-00260-00-RS
 PROJECT NO. SR-656 (110)
 ROUTE : F.A.S. 656 (CH-33 NEOGA ROAD)
 JOB NUMBER C-97-153-06



PROJECT LOCATION MAP R6E
 12,900 FEET = TOTAL LENGTH OF PROJECT
 12900 FEET - 400 FEET (BRIDGE OMISSION) = 12500 FEET
 12,500 FEET = 2.37 MILES = NET LENGTH OF SECTION

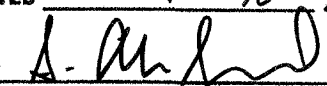
PLANS PREPARED BY:

 7-10-06
S. ALAN SPESARD, COUNTY ENGINEER
 ILLINOIS PROFESSIONAL ENGINEER 062-052965
 EXPIRES 11-30-07





J.U.L.I.E.
 JOINT UTILITY LOCATION INFORMATION FOR EXCAVATION
 1-800-692-6123

SHELBY CO HWY DEPT
 R. R. 3 BOX 38A
 SHELBYVILLE IL 62565
 217-774-2721

CONTRACT NO. 95488

APPROVED 7-10-06

 COUNTY ENGINEER

PASSED 7-19-06

 DISTRICT SEVEN ENGINEER OF
 LOCAL ROADS AND STREETS

RELEASED FOR
 AND BASED ON
 LIMITED REVIEW 7/19/06

 DEPUTY DIRECTOR OF HIGHWAYS, REGION FOUR ENGINEER
 STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

HIGHWAY STANDARDS

STANDARD NUMBER	STANDARD NAME
000001-04	STANDARD SYMBOLS ABBREVIATIONS AND PATTERNS
280001-02	TEMPORARY EROSION CONTROL SYSTEMS
442201-01	CLASS C & D PATCHES
601001	SUB SURFACE DRAINS
601101	CONCRETE HEADWALL FOR PIPE DRAINS
630001-06	STEEL PLATE BEAM GUARDRAIL
630301-03	SHOULDER WIDENING FOR TYPE 1 (SPECIAL) GUARDRAIL TERMINALS
635006-02	REFLECTOR AND TERMINAL MARKER PLACEMENT
635011-01	REFLECTOR MARKER & MOUNTING DETAILS
701001-01	OFF ROAD OPERATIONS 2L, 2W, MORE THAN 15' AWAY
701006-02	OFF ROAD OPERATIONS 2L, 2W, 15' TO 24' FROM PAVEMENT EDGE
701201-02	LANE CLOSURE 2L, 2W, DAY ONLY FOR SPEED \geq 45 M.P.H.
701301-02	LANE CLOSURE, 2L, 2W, SHORT TIME OPERATIONS
701306-01	LANE CLOSURE, 2L, 2W, SLOW MOVING OPERATIONS - DAY ONLY FOR SPEED \geq 45 M.P.H.
701311-02	LANE CLOSURE, 2L, 2W, MOVING OPERATION - DAY ONLY
701326-02	LANE CLOSURE, 2L, 2W, PAVEMENT WIDENING FOR SPEED \geq 45 M.P.H.
702001-06	TRAFFIC CONTROL DEVICES
780001-01	TYPICAL PAVEMENT MARKING
781001-02	TYPICAL APPLICATIONS RAISED REFLECTIVE PAVEMENT MARKERS
BLR 24-1	MAIL BOX TURNOUTS

INDEX OF PLAN PAGES

- 1) COVER SHEET
- 2) INDEX OF SHEETS, LIST OF STANDARDS, & GENERAL NOTES
- 3) SUMMARY OF QUANTITIES, RATES OF APPLICATION, & UTILITIES
- 4) PAVEMENT DESIGN & MIXTURE REQUIREMENTS
- 5) TYPICAL SECTIONS AND PAVING SCHEDULES
- 6) MILLING DETAILS
- 7) PATCHING, MONUMENTS, WIDENING & RIPRAP DETAILS
- 8) SIDE ROAD AND ENTRANCE DETAILS
- 9) SIDE ROAD AND ENTRANCE SCHEDULES
- 10) VARIOUS SCHEDULE
- 11) SAFETY SCHEDULES
- 12) GENERAL CULVERT NOTES
- 13-14) BOX CULVERT EXTENSION DETAILS
- 15) TEMPORARY EROSION CONTROL
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- 31-59) CROSS SECTION SHEETS

GENERAL NOTES

WHEREVER IN THE PLANS OR SPECIFICATIONS THE TERM STANDARD SPECIFICATIONS IS USED, IT SHALL BE UNDERSTOOD BY THE CONTRACTOR TO MEAN THE STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION AS PREPARED BY THE DEPARTMENT OF TRANSPORTATION OF THE STATE OF ILLINOIS AND ADOPTED JANUARY 1, 2002.

ALL ELEVATIONS SHOWN ARE IN REFERENCE TO THE U.S.G.S. DATUM.

WHERE SECTION, SUB-SECTION MARKERS, OR U.S. ARMY CORPS OF ENGINEER MARKERS ARE ENCOUNTERED, THE ENGINEER SHALL BE NOTIFIED BEFORE SUCH MONUMENTS ARE REMOVED. THE CONTRACTOR SHALL PROTECT AND CAREFULLY PRESERVE ALL PROPERTY MARKERS AND MONUMENTS UNTIL THE DEPARTMENT AND AUTHORIZED AGENT OR LAND SURVEYOR HAS WITNESSED OR OTHERWISE REFERENCED THEIR LOCATION.

ANY REFERENCE TO STANDARDS THROUGHOUT THE PLANS SHALL BE INTERPRETED TO BE THE LATEST STANDARDS OF THE DEPARTMENT AS SHOWN ON THE SCHEDULE OF THE STANDARD DRAWINGS ON THE COVER SHEET.

FOR THE SUGGESTED SEQUENCE OF OPERATIONS SEE THE CONTRACT SPECIAL PROVISIONS

EXISTING ROAD SIGNS THAT CONFLICT WITH CONSTRUCTION OPERATIONS SHALL BE COVERED OR REMOVED AS DIRECTED BY THE ENGINEER, THIS WORK WILL NOT BE PAID FOR SEPARATELY BUT SHALL BE INCLUDED IN THE COST OF THE CONTRACT PAY ITEMS AND NO ADDITIONAL COMPENSATION WILL BE ALLOWED THE CONTRACTOR.

ALL STREET RETURNS SHALL HAVE RADII MEASURED TO THE EDGE OF THE PAVEMENT UNLESS OTHERWISE NOTED ON THE PLANS.

ACCESS TO ALL ENTRANCES SHALL BE MAINTAINED AT ALL TIMES DURING THE CONSTRUCTION OF THIS SECTION.

EXCEPT WHERE DESIGNATED OTHERWISE, THE LOCATIONS AND/OR DEPTHS OF UNDERGROUND UTILITIES SHOWN HAVE BEEN TAKEN FROM INFORMATION FURNISHED BY THE UTILITY OWNERS & MUST BE CONSIDERED APPROXIMATE. THE CONTRACTOR SHALL BE RESPONSIBLE FOR LOCATING ALL UNDERGROUND UTILITIES. CONTACT J.U.L.E., PHONE 800-892-6123, AND ALL UTILITY COMPANIES PRIOR TO DIGGING.

THE CONTRACTOR SHALL NOTIFY ALL UTILITY COMPANIES 48 HOURS PRIOR TO EXCAVATION OPERATIONS.

UTILITY COMPANIES MAY BE ADJUSTING THEIR FACILITIES AT THE TIME OF CONSTRUCTION OF THIS PROJECT. THE CONTRACTOR SHALL COOPERATE WITH THESE ORGANIZATIONS WHILE THEY PERFORM THEIR WORK.

THE CONTRACTOR SHALL TAKE REASONABLE PRECAUTIONS TO PROTECT PUBLIC AND PRIVATE PROPERTY. IF AT ANY TIME THE CONTRACTOR DAMAGES OR DESTROYS PUBLIC OR PRIVATE PROPERTY, THE CONTRACTOR SHALL, AT HIS OWN EXPENCE, RESTORE SUCH PROPERTY TO A CONDITION EQUAL TO THAT EXISTING BEFORE SUCH DAMAGE.

SHOULDER WIDENING AND EARTHWORK CONSTRUCTION BEYOND THE 4' SHOWN ON THE TYPICAL SECTIONS SHALL BE AS REQUIRED FOR MAIL BOX TURNOUTS AND LOCATIONS OF GUARDRAIL CONSTRUCTION. THIS WORK SHALL BE PAID FOR AT THE UNIT PRICES FOR THE RESPECTIVE ITEMS OF WORK.

BENCHING PROCEDURES SHALL BE USED IN AREAS WHERE EXISTING EMBANKMENTS ARE WIDENED. STEPS SHALL BE CUT INTO THE EXISTING EMBANKMENT.

GRADING SHALL BE DONE BY HAND AROUND LIGHT POLES, UTILITY POLES, SIGN POSTS, SHRUBS, TREES, OR OTHER NATURAL OR MAN-MADE OBJECTS WHERE SHALLOW FILLS OR CUTS ARE ADJACENT TO THESE ITEMS. IT IS THE INTENT THAT THE LIMITS OF CONSTRUCTION BE SUCH TO PRESERVE IN THE ORIGINAL STATE AS MUCH AREA OF TEMPORARY EASEMENT AS POSSIBLE. THE DECISION AS TO ITEMS TO REMAIN IN PLACE SHALL BE DIRECTED BY THE ENGINEER. THIS WORK WILL NOT BE PAID FOR SEPARATELY, AND NO ADDITIONAL COMPENSATION WILL BE ALLOWED.

EXCESS MATERIAL, DEBRIS, BROKEN CONCRETE, PIPES, WASTE EXCAVATION, ETC., SHALL BE DISPOSED OF OUTSIDE THE LIMITS OF THE RIGHT-OF-WAY IN ACCORDANCE WITH ARTICLE 202.03 OF THE STANDARD SPECIFICATIONS.

THE CONTRACTOR SHALL BE RESPONSIBLE FOR REMOVING ALL MUD, DIRT AND DEBRIS DEPOSITED ON THE ROADWAY FROM VEHICLES EXITING OR ENTERING THE SITE.

EARTH STOCK PILES SHALL BE TEMPORARILY SEEDED IF THEY ARE TO REMAIN UNUSED FOR MORE THAN 14 DAYS.

TEMPORARY EROSION CONTROL MEASURES ARE TO BE IMPLEMENTED AS SHOWN IN THE EROSION CONTROL PLAN AND AS DIRECTED BY THE ENGINEER.

SEEDING SHALL BE DONE ON ALL AREAS THAT ARE DISTURBED BY CONSTRUCTION OPERATIONS AS DIRECTED BY THE ENGINEER. SEEDING SHALL BE PAID FOR ONLY WITHIN THE PROPOSED RIGHT-OF-WAY OR EASEMENT LIMITS. ALL AREAS DISTURBED BY THE CONTRACTOR OUTSIDE THE PROPOSED CONSTRUCTION LIMIT SHALL BE SEEDED AS DIRECTED BY THE ENGINEER, AT THE CONTRACTOR'S EXPENSE.

EXISTING CONCRETE AND BITUMINOUS CONCRETE PAVEMENT IN WHICH THE TOP SURFACE IS TO BE BUTT JOINED TO THE PROPOSED WORK SHALL BE SO JOINED THROUGH FULL DEPTH SAW CUT JUNCTIONS. THIS WORK SHALL BE CONSIDERED AS INCLUDED IN THE CONTRACT, AND NO ADDITIONAL COMPENSATION WILL BE ALLOWED THE CONTRACTOR.

THE CONTRACTOR SHALL PROVIDE INTERNET ACCESS TO THE BITUMINOUS PLANT QUALITY CONTROL LAB SO THAT BITUMINOUS CONCRETE PLANT REPORTS CAN BE E-MAILED TO THE ILLINOIS DEPARTMENT OF TRANSPORTATION DISTRICT HEADQUARTERS. THIS WORK SHALL BE INCLUDED IN THE COST OF ALL BITUMINOUS ITEMS.

THE RESIDENT ENGINEER SHALL BE THE SOLE JUDGE CONCERNING THE CURING TIME FOR THE VARIOUS BITUMINOUS MIXTURES.

MAILBOX TURNOUTS SHALL BE CONSTRUCTED IN ACCORDANCE WITH I.D.O.T. STANDARD B.L.R. 24-1.

THE CONTRACTOR SHALL NOTIFY THE SHELBY COUNTY HIGHWAY DEPARTMENT RESIDENT ENGINEER AND THE COUNTY ENGINEER 72 HOURS IN ADVANCE OF CONSTRUCTION WORK.

GENERAL NOTES, INDEX AND STANDARDS

SCALE:	APPROVED BY:	DRAWN BY:
DATE:		REVISED:
		DRAWING NUMBER:

SUMMARY OF QUANTITIES

CODE NO.	ITEM	UNIT	QUANTITY
20200100	EARTH EXCAVATION	CU YD	167
20200500	EARTH EXCAVATION (WIDENING)	CU YD	633
20400100	BORROW EXCAVATION	CU YD	6589
25000200	SEEDING, CLASS 2	ACRE	5.8
25000400	NITROGEN FERTILIZER NUTRIENT	POUND	522
25000500	PHOSPHORUS FERTILIZER NUTRIENT	POUND	522
25000600	POTASSIUM FERTILIZER NUTRIENT	POUND	522
25100115	MULCH, METHOD 2	ACRE	5.8
28000250	TEMPORARY EROSION CONTROL SEEDING	POUND	1400
28000300	TEMPORARY DITCH CHECKS	EACH	20
28000400	PERIMETER EROSION BARRIER	FOOT	1531
28000500	INLET AND PIPE PROTECTION	EACH	5
28102600	STONE RIPRAP DITCH	TON	282
35100100	AGGREGATE BASE COURSE, TYPE A	TON	347
40200800	AGGREGATE SURFACE COURSE, TYPE B	TON	81
40600100	BITUMINOUS MATERIALS (PRIME COAT)	GALLON	6813
40600300	AGGREGATE (PRIME COAT)	TON	171
40600980	BITUMINOUS SURFACE REMOVAL - BUTT JOINT	SQ YD	1712
40600990	TEMPORARY RAMP	SQ YD	153
40800010	BITUMINOUS MATERIALS (PRIME COAT)	GALLON	170
40800030	AGGREGATE (PRIME COAT)	TON	6
40800040	INCIDENTAL BITUMINOUS SURFACING	TON	203
44000004	BITUMINOUS SURFACE REMOVAL 1"	SQ YD	29781
44000400	GUTTER REMOVAL	FOOT	829
44004000	PAVED DITCH REMOVAL	FOOT	745
44201717	CLASS D PATCHES, TYPE II, 6 INCH	SQ YD	36
44201721	CLASS D PATCHES, TYPE III, 6 INCH	SQ YD	17
44201723	CLASS D PATCHES, TYPE IV, 6 INCH	SQ YD	626
44213200	SAW CUTS	FOOT	997
48100100	AGGREGATE SHOULDERS, TYPE A	TON	1663
48202000	BITUMINOUS SHOULDERS SUPERPAVE	TON	166
50105220	PIPE CULVERT REMOVAL	FOOT	62
50800105	REINFORCEMENT BARS	POUND	4970
54002020	EXPANSION BOLTS 1/4 INCH	EACH	28
54003000	CONCRETE BOX CULVERTS	CU YD	25.0
60100060	CONCRETE HEADWALL FOR PIPE DRAINS	EACH	2
60107700	PIPE UNDERDRAINS 6"	FOOT	125
60108200	PIPE UNDERDRAINS 6" (SPECIAL)	FOOT	30
60500065	REMOVING INLETS, SPECIAL	EACH	2
63000000 *	STEEL PLATE BEAM GUARD RAIL, TYPE A	FOOT	1050
63100167 *	TRAFFIC BARRIER TERMINAL TYPE 1, SPECIAL (TANGENT)	EACH	8
67000400	ENGINEER'S FIELD OFFICE, TYPE A	CAL MO	6
67100100	MOBILIZATION	L SUM	1
70100450	TRAFFIC CONTROL AND PROTECTION, STANDARD 701201	L.SUM	1.0
70100460	TRAFFIC CONTROL AND PROTECTION, STANDARD 701306	L.SUM	1.0
70100500	TRAFFIC CONTROL AND PROTECTION, STANDARD 701326	L.SUM	1.0
70300100	SHORT-TERM PAVEMENT MARKING	FOOT	5028
70301000	WORK ZONE PAVEMENT MARKING REMOVAL	SQ FT	421
78001110 *	PAINT PAVEMENT MARKING - LINE 4"	FOOT	39080
78100100 *	RAISED REFLECTIVE PAVEMENT MARKER	EACH	161
78200400 *	GUARDRAIL REFLECTORS	EACH	17
78201000 *	TERMINAL MARKER - DIRECT APPLIED	EACH	8
78300200	RAISED REFLECTIVE PAVEMENT MARKER REMOVAL	EACH	4
X3560100	BITUMINOUS CONCRETE BASE COURSE WIDENING, SUPERPAVE 6 INCH	SQ YD	3796
X4066414	BITUMINOUS CONCRETE SURFACE COURSE, SUPERPAVE, MIX "C", N50	TON	2250
X4066614	BITUMINOUS CONCRETE BINDER COURSE, SUPERPAVE, IL-19.0, N50	TON	4277
X4066765	LEVELING BINDER (MACHINE METHOD), SUPERPAVE N50	TON	1939
Z0062000	SAW CUTTING	FOOT	24486
Z0070200	SURVEY MONUMENTS	EACH	3

1,000

* SPECIALTY ITEMS

RATES OF APPLICATION

THE FOLLOWING RATES OF APPLICATION HAVE BEEN USED IN CALCULATING PLAN QUANTITIES.

- BITUMINOUS MATERIALS (PRIME COAT) = 0.10 GAL/SQ.YD.
- AGGREGATE (PRIME COAT) = 5.0 LBS/SQ.YD.
- BITUMINOUS CONCRETE = 112 LBS/SQ.YD./INCH
- AGGREGATE SHOULDERS = 2.10 TONS/CU.YD.
- AGGREGATE SURFACE COURSE = 2.10 TONS/CU.YD.
- AGGREGATE BASE COURSE TYPE A = 2.10 TONS/CU.YD.
- FERTILIZER NUTRIENT = 90.0 POUNDS OF NUTRIENT / ACRE
- MULCH, METHOD 2 = 2.0 TON / ACRE
- TEMPORARY EROSION SEEDING = 100.0 POUND / ACRE
- STONE RIPRAP DITCH = 0.67 TON / SQ YD

UTILITIES

TELEPHONE: VERIZON
212 EAST GROVE ST.
RANTOUL ILLINOIS 61866
217-892-3427

POWER: SHELBY ELECTRIC CO-OP
NORTH RT. 128
SHELBYVILLE ILLINOIS 62565
217-774-3986

SUMMARY OF QUANTITIES

SCALE	APPROVED BY:	DRAWN BY:
DATE	REVISION	
		DRAWING NUMBER

F.A.S. 656 (NEOGA ROAD)

CLASS II ROAD
FUNCTIONAL CLASSIFICATION : RURAL MAJOR COLLECTOR
DESIGN PERIOD = 20 YEARS
DESIGN ESALs = 231,000
LOAD = 73,280 POUND ROAD

PAVEMENT DESIGN TRAFFIC

CURRENT A.D.T. = 2050
DESIGN YEAR: 2027
2027 A.D.T. = 2600
PU % = 94.4 %
SU % = 4.3 %
MU % = 1.3 %

DESIGN LANE DISTRIBUTION (for all vehicle classes) = 50%

VEHICLE	DESIGN ADT (both directions) (1)	DAILY TRAFFIC BY VEHICLE TYPE(2)	TRUCK FACTOR	DIRECTIONAL DISTRIBUTION %	CUMULATIVE ESALs FOR DESIGN PERIOD
PASSENGER CARS	2195	94.4 %	0.0004	50	3,205
SINGLE UNIT TRUCKS	100	4.3 %	0.307	50	112,055
MULTI UNIT TRUCKS	30	1.3 %	1.056	50	115,632
TOTAL	2325	100 %			230,892

(1) NUMBER OF VEHICLES IN BOTH DIRECTIONS FOR THE DESIGN YEAR 2017. THESE VALUES WERE PROVIDED BY I.D.O.T.

(2) DAILY TRAFFIC PERCENTAGES WERE DETERMINED BY DIVIDING THE INDIVIDUAL ADT VALUES BY THE 2325 TOTAL

EXISTING PAVEMENT STRUCTURE

3 1/2" BITUMINOUS OIL AND CHIP BUILDUP
6" SOIL CEMENT
6" GRANULAR SUB BASE MATERIAL TYPE B (GRAVEL)

PAVEMENT DESIGN INFORMATION

ILLINOIS BEARING RATIO (I.B.R.)(ASSUMED) = 3.0
PAVEMENT DESIGN BASED ON F.W.D. TESTING (*)
FINAL RECOMMENDATION:
MILL 1"
LEVEL BINDER 3/4"
BINDER 2 1/2"
SURFACE 1 1/4"

(*) I.D.O.T. MODIFIED A.A.S.H.T.O.PAVEMENT DESIGN METHOD

MIXTURE REQUIREMENTS

Location	FAS 656 Surface & Incidental	FAS 656 Binder	FAS 656 Level Binder	FAS 656 Bit. Base Crse. Widening	FAS 656 Patching CL D
AC/PG	PG 64-22	PG 64-22	PG 64-22	PG 64-22	PG 64-22
RAP % (Max.)	15 % (Max)	15 % (Max)	15 % (Max)	15 % (Max)	15 % (Max)
Design Air Voids	4.0% at Ndes=50	4.0% at Ndes=50	4.0% at Ndes=50	4.0% at Ndes=70	4.0% at Ndes= 70
Mix Comp. (Gradation)	IL-9.5	IL-19.0	IL-9.5	IL-19.0	IL-19.0
Friction Aggregate	Mix C	N/A	Mix C	N/A	N/A

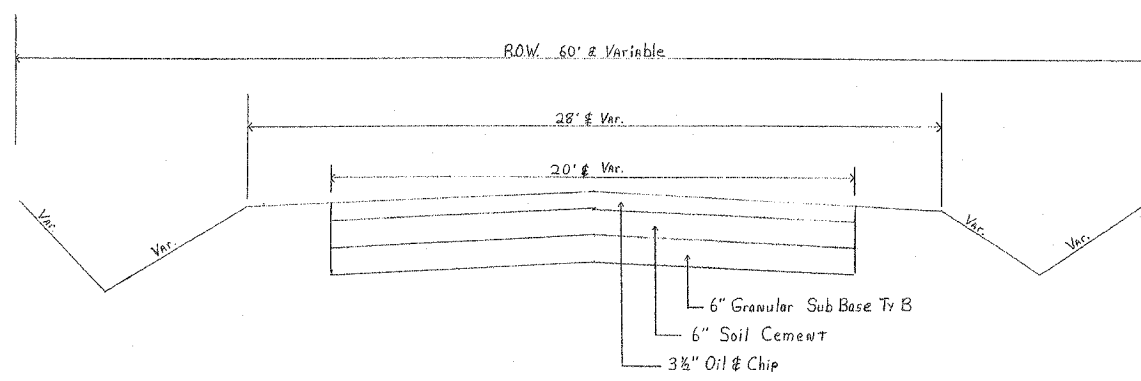
Location	FAS 656
Mixture Use	Bituminous Shoulder
AC/PG	PG 64-22
RAP % (Max.)	15 % (Max)
Design Air Voids	4.0% at Ndes=30
Mix Comp. (Gradation)	IL-9.5L
Friction Aggregate	Mix C

WIDENING PAVEMENT DESIGN

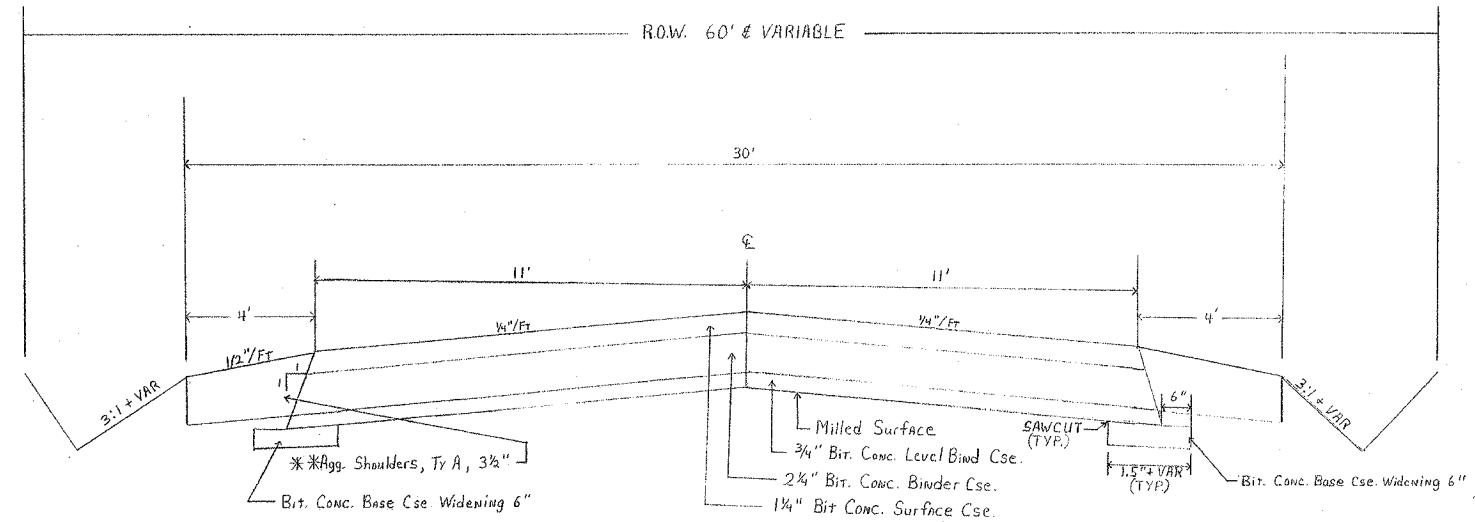
EXISTING Dt = 1.97
3 1/2" BITUMINOUS OIL AND CHIP BUILDUP @ 0.15 = 0.525
6" SOIL CEMENT @ 0.15 = 0.900
6" GRANULAR SUB BASE MATERIAL TYPE B (GRAVEL) @ 0.09 = 0.540
HOT MIX ASPHALT @ 0.400
1.97 / 0.40 = 4.925" SAY 5.0"(*)
(*) USE 6" MIN. THICKNESS OF HMA IN ALL WIDENING AND PATCHING

PAVEMENT DESIGN

SCALE	APPROVED BY	DRAWN BY
DATE	REVISION	
DRAWING NUMBER		



EXISTING TYPICAL CROSS SECTION



PROPOSED TYPICAL CROSS-SECTION

****BITUMINOUS SHOULDERS SUPERPAVE**

LOCATION	OFFSET	QUANTITY
STA 202+00 TO 210+90	LEFT	83 TON
STA 202+00 TO 210+90	RIGHT	83 TON
	TOTAL	166 TON

BITUMINOUS CONCRETE SURFACE CSE. CN 50

STA TO STA	LOCATION	QUANTITY
STA 148+00 TO STA 191+00	MAINLINE	762 TON
STA 195+00 TO STA 279+00	MAINLINE	1488 TON
	TOTAL	2250 TON

BITUMINOUS LEVEL BINDER (MACHINE METHOD)

STA TO STA	LT. SIDE	RT. SIDE	QUANTITY (*)
STA 150+92 TO STA 190+25	338 TON	219 TON	557 TON
STA 195+75 TO STA 278+25	658 TON	724 TON	1382 TON
	TOTAL	996 TON	1939 TON (*)

(*) THESE QUANTITIES ARE A MATHEMATICAL ESTIMATE OF MATERIAL NEEDED TO CORRECT ROADWAY CROWN BASED UPON CROSS SECTIONS OF THE EXISTING ROADWAY. THE ACTUAL AMOUNTS REQUIRED MAY VARY DUE TO FIELD CONDITIONS.

BITUMINOUS MATERIALS (PRIME COAT)

LOCATION	QUANTITY
LEVEL BINDER PASS MAINLINE	3345 GAL
BINDER PASS MAINLINE	3468 GAL
TOTAL	6813 GAL

AGGREGATE (PRIME COAT)

LOCATION	QUANTITY
LEVEL BINDER PASS MAINLINE	84 TON
BINDER PASS MAINLINE	87 TON
TOTAL	171 TON

AGGREGATE SHOULDERS

LOCATION	QUANTITY
MAIN LINE	1609 TON
PE'S & CE'S	35 TON
SIDEROADS	19 TON
TOTAL	1663 TON

BITUMINOUS CONCRETE BINDER CSE.

STA TO STA	LOCATION	QUANTITY
STA 148+00 TO STA 191+00	MAINLINE	1435 TON
STA 195+00 TO STA 279+00	MAINLINE	2794 TON
	SIDEROADS	10 TON
	FIELD ENTRANCES	19 TON
	PE'S, CE'S	19 TON
	MAILBOXES	
	TOTAL	4277 TON

TYPICAL SECTIONS

SCALE	APPROVED BY	DRAWN BY
DATE	REVIEWED	
		DRAWING NUMBER

PAVED DITCH REMOVAL

STA TO STA	OFFSET	QUANTITY
STA 202+72 TO STA 207+60	RIGHT	488 FOOT
STA 208+94 TO STA 211+51	RIGHT	257 FOOT
TOTAL		745 FOOT

GUTTER REMOVAL

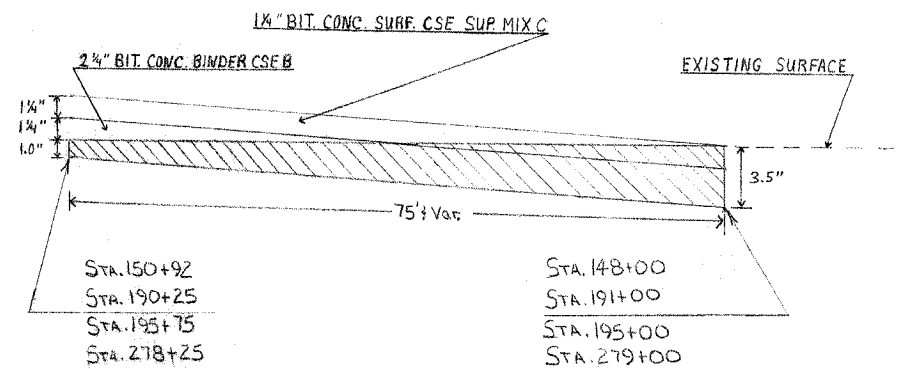
STA TO STA	OFFSET	QUANTITY
STA 202+56 TO STA 210+85	LEFT	829 FOOT
TOTAL		829 FOOT

REMOVING INLETS, SPECIAL

STA TO STA	OFFSET	QUANTITY
STA 202+56	LEFT	1.0 EACH
STA 206+58	LEFT	1.0 EACH
TOTAL		2.0 EACH

PIPE CULVERT REMOVAL

STA TO STA	OFFSET	QUANTITY
STA 202+56	10' TO 38' LEFT	28 FOOT
STA 206+58	10' TO 44' LEFT	34 FOOT
TOTAL		62 FOOT



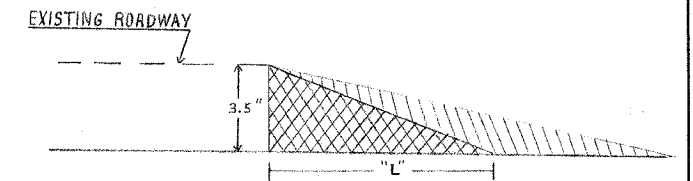
PROPOSED TYPICAL BUTT JOINT

BITUMINOUS SURFACE REMOVAL BUTT JOINT

STA TO STA	LOCATION	QUANTITY
STA 148+00 TO STA 150+92	MAINLINE (LT & RT)	713.8 SQ YD
STA 190+25 TO STA 191+00	MAINLINE (LT & RT)	183.3 SQ YD
STA 195+00 TO STA 195+75	MAINLINE (LT & RT)	183.3 SQ YD
STA 278+25 TO STA 279+00	MAINLINE (LT & RT)	183.3 SQ YD
STA 185+04 LEFT	SIDE ROAD # 1	85.8 SQ YD
STA 224+66 RIGHT	SIDE ROAD # 2	80.2 SQ YD
STA 273+38 RIGHT	CE	191.8 SQ YD
STA 277+71 LEFT	SIDE ROAD # 3	90.9 SQ YD
TOTAL		1712.4 SQ YD

BITUMINOUS SURFACE REMOVAL 1"

STA TO STA	LOCATION	QUANTITY
STA 150+92 TO STA 190+25	M.L. (LT. & RT.)	9614 SQ YD
STA 195+75 TO STA 278+25	M.L. (LT. & RT.)	20167 SQ YD
TOTAL		29781 SQ YD



EXISTING ROADWAY
3.5"
"L"
MILLED AREA
TAPER RATE $L = 40 \times (L)$
TEMPORARY RAMP

PROPOSED TYPICAL TEMPORARY RAMP

TEMPORARY RAMPS

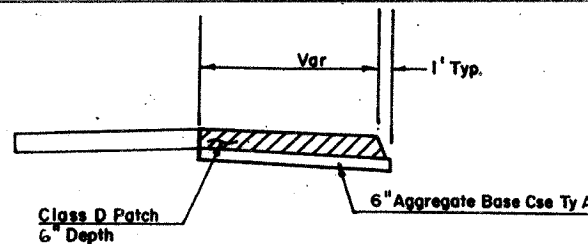
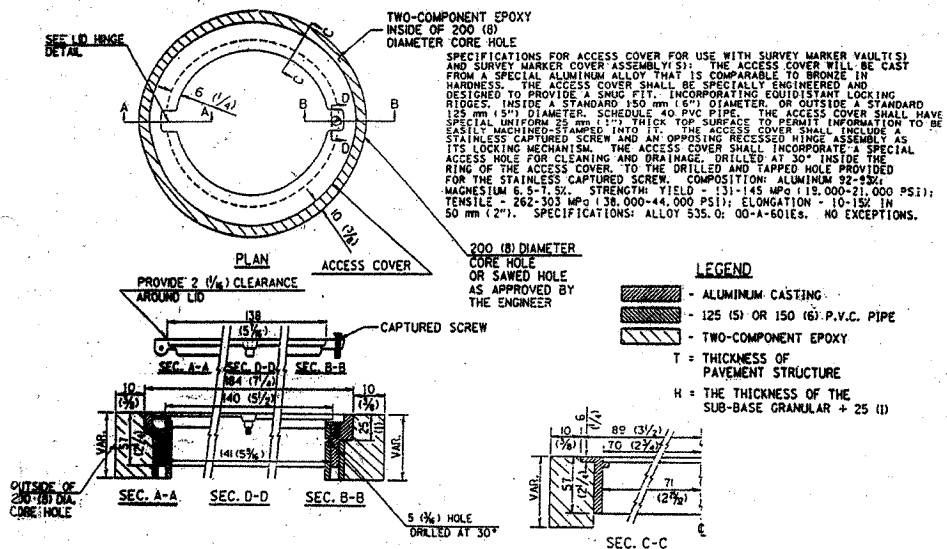
STATION	LOCATION	LENGTH "L"	QUANTITY
STA 148+00	MAINLINE	12 FT.	29 SQ YD
STA 191+00	MAINLINE	12 FT.	29 SQ YD
STA 195+00	MAINLINE	12 FT.	29 SQ YD
STA 279+00	MAINLINE	12 FT.	29 SQ YD
STA 185+04	SIDEROAD # 1	5 FT	13 SQ YD
STA 224+66	SIDEROAD # 2	5 FT	12 SQ YD
STA 277+71	SIDEROAD # 3	5 FT	12 SQ YD
TOTAL		153 SQ YD	

MILLING AND TEMPORARY RAMP SCHEDULES

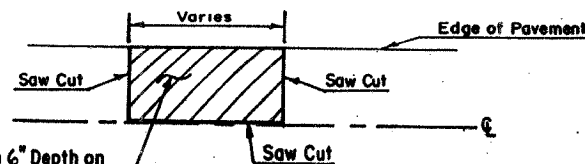
SCALE:	APPROVED BY:	DRAWN BY:
DATE:		REVISED:
		DRAWING NUMBER:

DETAIL OF SURVEY MARKER VAULT

FOR RESET LAND SURVEY MONUMENTS IN RIGID AND COMPOSITE PAVEMENTS



TYPICAL CROSS SECTION



CLASS D PATCH DETAILS

PLAN VIEW

CLASS D PATCH TYPE II 6"

CLASS D PATCH TYPE II 6"

STA TO STA	OFFSET	QUANTITY	PATCH #
STA 170+60 TO STA 170+70	C.L. TO 11' LT.	12 SQ YD	# 4
STA 208+60 TO STA 208+70	C.L. TO 11' LT.	12 SQ YD	# 7
STA 208+60 TO STA 208+70	C.L. TO 11' RT.	12 SQ YD	# 8
TOTAL		36 SQ YD	

CLASS D PATCH TYPE III 6"

STA TO STA	OFFSET	QUANTITY	PATCH #
STA 170+58 TO STA 170+72	C.L. TO 11' RT.	17 SQ YD	# 5
TOTAL		17 SQ YD	

CLASS D PATCH TYPE IV 6"

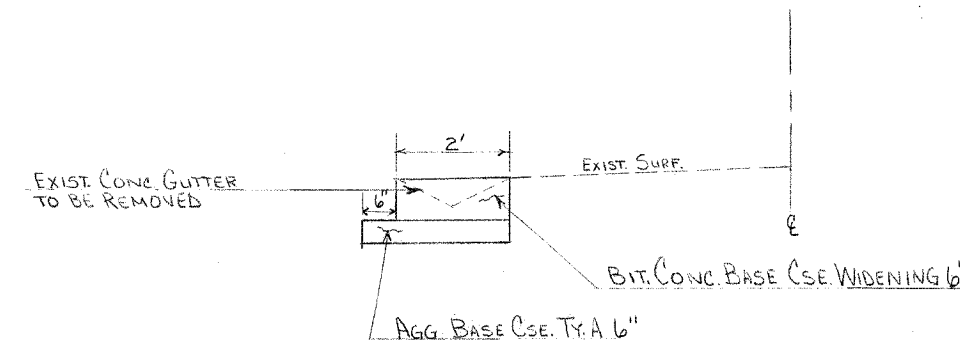
STA TO STA	OFFSET	QUANTITY	PATCH #
STA 150+90 TO STA 151+65	RIGHT 4' TO 11'	58 SQ YD	# 1
STA 168+56 TO STA 168+84	C.L. TO 11' LT.	34 SQ YD	# 2
STA 168+56 TO STA 168+84	C.L. TO 11' RT.	34 SQ YD	# 3
STA 171+00 TO STA 177+00	4' LT. TO 11' LT.	467 SQ YD	# 6
STA 215+75 TO STA 216+25	5' RT. TO 11' RT.	33 SQ YD	# 9
TOTAL		626 SQ YD	

SAW CUTS
(FOR CLASS D PATCHING)

STA TO STA	OFFSET	QUANTITY	PATCH #
STA 150+90 TO STA 151+65	RIGHT 4' TO 11'	89 FOOT	# 1
STA 168+56 TO STA 168+84	C.L. TO 11' LT.	50 FOOT	# 2
STA 168+56 TO STA 168+84	C.L. TO 11' RT.	50 FOOT	# 3
STA 170+60 TO STA 170+70	C.L. TO 11' LT.	32 FOOT	# 4
STA 170+58 TO STA 170+72	C.L. TO 11' RT.	36 FOOT	# 5
STA 171+00 TO STA 177+00	4' LT. TO 11' LT.	614 FOOT	# 6
STA 208+60 TO STA 208+70	C.L. TO 11' LT.	32 FOOT	# 7
STA 208+60 TO STA 208+70	C.L. TO 11' RT.	32 FOOT	# 8
STA 215+75 TO STA 216+25	5' RT. TO 11' RT.	62 FOOT	# 9
TOTAL		997 FOOT	

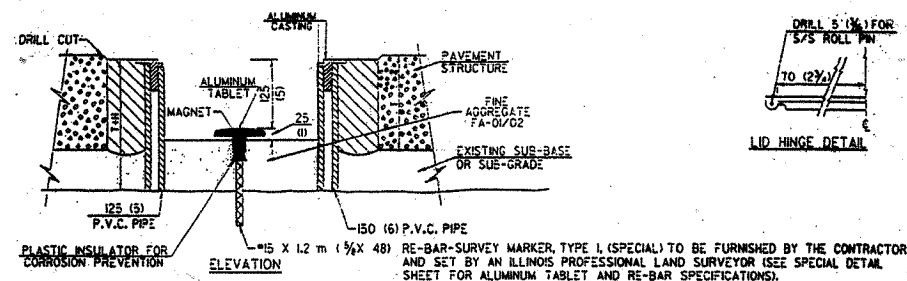
AGGREGATE BASE COURSE TYPE A

STA TO STA	OFFSET	QUANTITY	LOCATION
STA 150+90 TO STA 151+65	RIGHT 4' TO 11'	21 TON	PATCH #1
STA 168+56 TO STA 168+84	C.L. TO 11' LT.	12 TON	PATCH #2
STA 168+56 TO STA 168+84	C.L. TO 11' RT.	12 TON	PATCH #3
STA 170+60 TO STA 170+70	C.L. TO 11' LT.	5 TON	PATCH #4
STA 170+58 TO STA 170+72	C.L. TO 11' RT.	6 TON	PATCH #5
STA 171+00 TO STA 177+00	4' LT. TO 11' LT.	164 TON	PATCH #6
STA 208+60 TO STA 208+70	C.L. TO 11' LT.	5 TON	PATCH #7
STA 208+60 TO STA 208+70	C.L. TO 11' RT.	5 TON	PATCH #8
STA 215+75 TO STA 216+25	5' RT. TO 11' RT.	12 TON	PATCH #9
STA 202+56 TO STA 208+94	LEFT	105 TON	GUTTER
TOTAL		347 TON	



PROPOSED BASE COURSE WIDENING

LT. STA. 202+58 TO STA 210+85



GENERAL NOTES

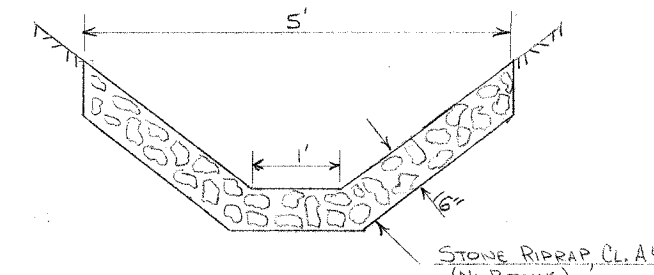
- ALUMINUM CASTING SHALL BE EITHER PLACED OVER A 125 mm (5") P.V.C. PIPE OR INSIDE OF A 150 mm (6") P.V.C. PIPE.
- BACKFILL WITH FINE AGGREGATE-FA-01/02.
- WORK SHALL NOT START ON THIS ITEM UNTIL THE FINAL LIFT OF CLASS 1 HAS BEEN COMPLETED.
- SEE SPECIAL PROVISION "PRESERVATION OF LAND SURVEY MONUMENTS"
- THIS WORK WILL BE PAID FOR AT THE CONTRACT UNIT PRICE EACH FOR SURVEY MARKER VAULT WHICH PRICE SHALL INCLUDE ALL LABOR AND MATERIAL AS SPECIFIED INCLUDING CORING, EPOXY AND FA-01/02 AGGREGATE AND NO ADDITIONAL COMPENSATION WILL BE ALLOWED.
- THE CASTING SHALL BE ANCHORED IN THE 200 mm (8") DIAMETER CORE HOLE WITH TWO-COMPONENT EPOXY CONFORMING TO APPLICABLE PORTIONS OF ARTICLE 1025.01(1725.00) OF THE STANDARD SPECIFICATIONS.
- ALL SURVEY MARKER (VAULTS) SHALL BE PLACED 6 mm (1/4") ± BELOW THE FINAL SURFACE.
- THE 200 mm (8") DIAMETER CORE HOLE SHALL BE SUBJECT TO THE APPROVAL OF THE ENGINEER.

BILL OF MATERIAL

ALUMINUM CASTING OF THE DIMENSIONS AND SPECIFICATIONS SHOWN OR OTHER SUBJECT TO ENGINEER'S APPROVAL OF SHOP DRAWINGS.
125 mm OR 150 mm (5" OR 6") P.V.C. PIPE, SCHEDULE 40, ALUMINUM TABLET, STAMPED IN ACCORDANCE WITH STANDARD 235.
15 X 1.2 m (5" X 48") RE-BAR, EPOXY AND FA-01/02 AGGREGATE.

SURVEY MONUMENTS

LOCATION	STATION	OFFSET	QUANTITY
N. W. CORNER SEC. 14 T10N, R6E, 3 rd P.M.	171+84.98	0.53' RT.	1.0 EACH
N. E. CORNER SEC. 14 T10N, R6E, 3 rd P.M.	224+87.40	0.10' LT.	1.0 EACH
N. E. CORNER SEC. 13 T10N, R6E, 3 rd P.M.	277+67.91	0.67' RT.	1.0 EACH
TOTAL			3.0 EACH



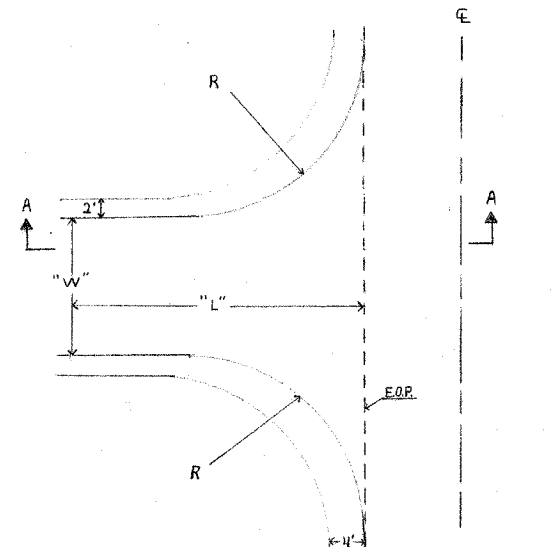
PROPOSED STONE RIPRAP DITCH

STA TO STA	O/S	QUANTITY
STA 202+72 TO STA 207+60	RT.	183.0 TON
STA 208+94 TO STA 211+51	RT.	99.0 TON
TOTAL		282.0 TON

PATCHING, MONUMENTS, WIDENING & RIPRAP

SCALE: N/A	APPROVED BY:	DRAWN BY:
DATE:	REVISION:	REVISION:
DRAWING NUMBER:		

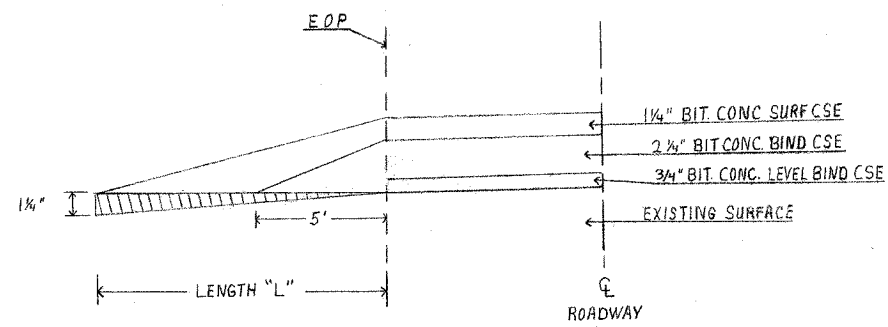
PROPOSED TYPICAL SIDEROAD



SIDEROAD DIMENSIONS

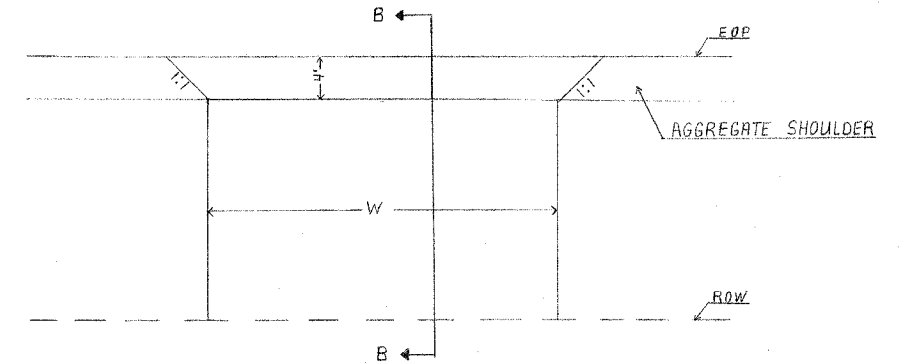
LOCATION	WIDTH "W"	LENGTH "L"	RADIUS "R"
SIDEROAD #1 STA 185+04	24	25	20
SIDEROAD #2 STA 224+66	22	25	20
SIDEROAD #3 STA 227+71	22	30	25

SECTION A-A

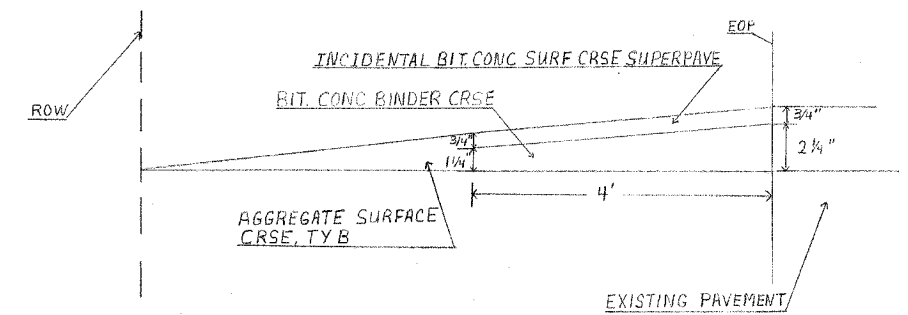


MILLED AREA

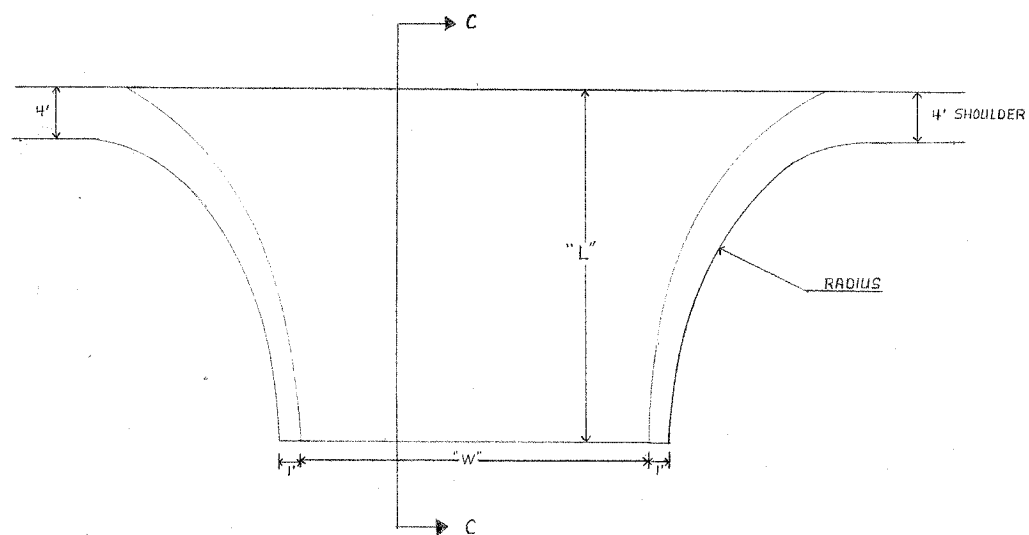
PROPOSED TYPICAL FIELD ENTRANCE



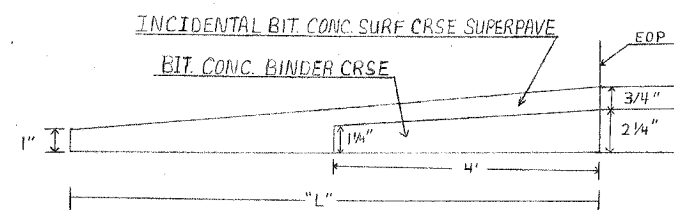
SECTION B-B



PROPOSED TYPICAL PRIVATE ENTRANCE



SECTION C-C



SIDEROAD & ENTRANCE DETAILS

SCALE:	APPROVED BY:	DRAWN BY: CML
DATE:	REVISION:	
		DRAWING NUMBER:

SIDE ROAD SCHEDULE

Station	O/S	Type	Butt Joint (Sq. Yd)	Bit. Conc. Incident (Ton)	Bit. Prime Incid. (Gallon)	Agg. Prime Incid. (Ton)	Agg. Shoulder (Ton)	BIT BINDER (TON)
185 + 04	Lt.	Twp. Road	85.8	14	9	0.3	6	3
224 + 66	Rt.	Twp. Road	80.2	13	8	0.2	6	3
277 + 71	Lt.	Twp. Road	90.9	14	10	0.3	7	4
TOTAL			256.9	41	27	0.8	19	10

FIELD ENTRANCE SCHEDULE

STATION	O/S	TYPE	WIDTH "W"	BIT. SURF CSE. INDEN. (TON)	BIT. MATL PRIM INCID (GAL)	AGG PRIME INCID. (TON)	AGG SURF TY B (TON)	BIT BINDER CSE (TON)
157+22	RT	FE	18	1.6	2	0.1	2.5	0.9
157+63	LT	FE	24	2.0	3	0.1	3.4	1.2
162+03	RT	FE	24	2.0	3	0.1	3.4	1.2
162+33	LT	FE	20	1.7	2	0.1	2.8	1.0
178+30	LT	FE	24	2.0	3	0.1	3.4	1.1
178+48	RT	FE	22	1.9	3	0.1	3.1	1.0
178+63	LT	FE	20	1.7	2	0.1	2.8	1.0
179+68	RT	FE	30	2.5	4	0.2	4.2	1.3
185+06	RT	FE	26	2.2	4	0.2	3.7	1.1
187+66	LT	FE	18	1.6	2	0.1	2.5	1.0
198+07	RT	FE	20	1.7	2	0.1	2.8	0.9
198+15	LT	FE	20	1.7	2	0.1	2.8	0.9
198+70	RT	FE	20	1.7	2	0.1	2.8	0.9
206+11	LT	FE	22	1.9	3	0.1	3.1	1.0
227+98	LT	FE	22	1.9	3	0.1	3.1	1.0
232+00	RT	FE	30	2.5	4	0.1	4.2	1.3
249+63	RT	FE	30	2.5	4	0.1	4.2	1.3
264+63	LT	FE	20	1.9	2	0.1	3.4	1.9
TOTAL				35.0	50	2.2	58.2	19.0

BITUMINOUS MATERIALS (PRIME COAT)
FOR INCIDENTAL BITUMINOUS SURFACING

LOCATION	QUANTITY
SIDE ROADS	27.0 GALLON
FIELD ENTRANCES	50.0 GALLON
PE'S, CE'S, & MAILBOXES	93.0 GALLON
TOTALS	170 GALLON

AGGREGATE (PRIME COAT)
FOR INCIDENTAL BITUMINOUS SURFACING

LOCATION	QUANTITY
SIDE ROADS	0.8 TON
FIELD ENTRANCES	2.2 TON
PE'S, CE'S, & MAILBOXES	3.0 TON
TOTALS	6.0 TON

INCIDENTAL BITUMINOUS SURFACING

LOCATION	QUANTITY
SIDE ROADS	41 TON
FIELD ENTRANCES	35 TON
PE'S, CE'S, & MAILBOXES	127 TON
TOTALS	203 TON

P.E. & C.E. TABLE (INCLUDING MAILBOXES)

STATION	O/S	TYPE	WIDTH "W"	RADIUS "R"	BIT. SURF CSE INCIDENT (TON)	BIT. MATL PRIM INCID. (GAL)	AGG. PRIME INCID. (TON)	AGG. SURF B (TON)	AGG SHLD (TON)	BIT. BINDER
166 + 16	Lt	PE&MB	22'	15'	9	7	0.2	2.1	2.2	1.0
162 + 87	Rt	PE&MB	14'	15'	7	5	0.2	1.3	2.2	0.6
169 + 10	Lt	PE	10'	15'	4	3	0.1	1.0	2.2	0.4
169 + 90	Lt	PE	10'	10'	3	2	0.1	1.0	1.6	0.4
178 + 76	Rt	PE&MB	14'	10'	6	4	0.1	1.3	1.6	0.6
202 + 56	Rt	PE&MB	16'	10'	6	4	0.1	1.5	1.6	0.7
208 + 80	Rt	PE&MB	20'	10'	6	5	0.2	1.9	1.6	0.9
216 + 33	Lt	CE	26'	40'	27	20	0.6	2.5	6.1	1.1
217 + 54	Lt	PE	32'	20'	13	9	0.3	3.0	3.0	1.4
217 + 54	Lt	MB	---	---	3	2	0.1	---	1.8	---
224 + 86	Lt	PE&MB	16'	15'	8	6	0.2	1.5	2.2	0.7
234 + 02	Lt	PE&MB	18'	15'	8	6	0.2	1.7	2.2	1.0
241 + 09	Lt	PE	18'	10'	4	3	0.1	1.7	1.6	1.0
273 + 38	Rt	CE	28'	35'	23	17	0.5	2.6	5.3	1.2
TOTAL					127	93	3	23.1	35.2	19.0

SIDE ROAD/ENTRANCE SCHEDULE

SCALE	APPROVED BY:	DRAWN BY:
DATE	REVISION	
DRAWING NUMBER		

BITUMINOUS BASE COURSE WIDENING 6"

STA TO STA	LT SIDE SQ YD	RT SIDE SQ YD	TOTAL SQ YD
STA 150+32 TO STA 190+25	455	532	987
STA 195+75 TO STA 278+25	1370	1439	2809
TOTAL	1825	1971	3796

EARTH EXCAVATION (WIDENING)

STA TO STA	LT SIDE CU YDS	RT SIDE CU YDS	TOTAL CU YDS
STA 150+32 TO STA 190+25	76	89	165
STA 195+75 TO STA 278+25	228	240	468
TOTAL	304	329	633

SAW CUTTING

STA TO STA	LT SIDE FOOT	RT SIDE FOOT	TOTAL FOOT
STA 150+32 TO STA 190+25	3993	3993	7986
STA 195+75 TO STA 278+25	8250	8250	16500
TOTAL	12243	12243	24486

CONCRETE HEADWALL FOR PIPE DRAINS

LOCATION	OFFSET	QUANTITY
STA 151+65	RIGHT	1.0 EACH
STA 215+75	RIGHT	1.0 EACH
TOTAL		2.0 EACH

PIPE UNERDRAINS, 6 INCH

STA TO STA	OFFSET	QUANTITY
STA 150+90 TO STA 151+65	RIGHT	75.0 FOOT
STA 215+75 TO STA 216+25	RIGHT	50.0 FOOT
TOTAL		125.0 FOOT

PIPE UNERDRAINS, 6 INCH (SPECIAL)

LOCATION	OFFSET	QUANTITY
STA 151+65	RIGHT	15.0 FOOT
STA 215+75	RIGHT	15.0 FOOT
TOTAL		30.0 FOOT

SEEDING CLASS 2

STA TO STA	O/S	QUANTITY
STA 148+00 TO STA 191+50	LEFT	0.65 ACRE
STA 148+00 TO STA 191+50	RIGHT	0.75 ACRE
STA 194+50 TO STA 279+00	LEFT	2.10 ACRE
STA 194+50 TO STA 279+00	RIGHT	2.30 ACRE
TOTAL		5.80 ACRE

MULCH METHOD 2

STA TO STA	O/S	QUANTITY
STA 148+00 TO STA 191+50	LEFT	0.65 ACRE
STA 148+00 TO STA 191+50	RIGHT	0.75 ACRE
STA 194+50 TO STA 279+00	LEFT	2.10 ACRE
STA 194+50 TO STA 279+00	RIGHT	2.30 ACRE
TOTAL		5.80 ACRE

FERTILIZER

STA TO STA	O/S	NIT	PHOS	POT
STA 148+00 TO STA 191+50	LEFT	58.5	58.5	58.5
STA 148+00 TO STA 191+50	RIGHT	67.5	67.5	67.5
STA 194+50 TO STA 279+00	LEFT	189.0	189.0	189.0
STA 194+50 TO STA 279+00	RIGHT	207.0	207.0	207.0
TOTAL		522.0	522.0	522.0

EARTH EXCAVATION

STA TO STA	OFFSET	QUANTITY
STA 206+00 TO STA 208+00	LEFT	104 CU YD
STA 249+00 TO STA 253+00	LEFT	63 CU YD
TOTAL		167 CU YD

BORROW EXCAVATION

STA TO STA	OFFSET	QUANTITY
STA 148+00 TO STA 191+00	LT. & RT.	1230 CU YD
STA 194+50 TO STA 279+00	LT. & RT.	5359 CU YD
TOTAL		6589 CU YD

VARIOUS SCHEDULES

SCALE:	APPROVED BY:	DRAWN BY:
DATE:	REVISION:	
		DRAWING NUMBER:

STEEL PLATE BEAM GUARD RAIL, TYPE A

LOCATION	OFFSET	QUANTITY
STA 211+32.00 TO STA 214+69.50	LEFT	337.50 FEET
STA 212+15.00 TO STA 214+65.00	RIGHT	250.00 FEET
STA 218+75.00 TO STA 221+75.00	RIGHT	300.00 FEET
STA 219+20.00 TO STA 220+82.50	LEFT	162.50 FEET
	TOTAL	1050 FEET

TRAFFIC BARRIER TERMINAL TYPE 1, SPECIAL (TANGENT)

LOCATION	OFFSET	QUANTITY
STA 210+82.00 TO STA 211+32.00	LEFT	1.0 EACH
STA 214+69.50 TO STA 215+19.50	LEFT	1.0 EACH
STA 211+65.00 TO STA 212+15.00	RIGHT	1.0 EACH
STA 214+65.00 TO STA 215+15.00	RIGHT	1.0 EACH
STA 218+25.00 TO STA 218+75.00	RIGHT	1.0 EACH
STA 221+75.00 TO STA 222+25.00	RIGHT	1.0 EACH
STA 218+70.00 TO STA 219+20.00	LEFT	1.0 EACH
STA 220+82.50 TO STA 221+32.50	LEFT	1.0 EACH
	TOTAL	8.0 EACH

SHORT - TERM PAVEMENT MARKING

STA TO STA	LIFT	TYPE	QUANTITY
STA 148+00 TO STA 279+00	MILLING	PAINT	1276 FOOT
STA 150+92 TO STA 278+25	LEVEL BINDER	PAINT OR TAPE	1224 FOOT
STA 150+32 TO STA 279+00	BINDER	PAINT OR TAPE	1252 FOOT
STA 148+00 TO STA 279+00	SURFACE	TAPE	1276 FOOT
		TOTAL	5028 FOOT

WORK ZONE PAVEMENT MARKING REMOVAL

STA TO STA	LIFT	QUANTITY
STA 148+00 TO STA 279+00	SURFACE	421 SQ. FT.
	TOTAL	421 SQ. FT.

RAISED REFLECTIVE PAVEMENT MARKER

STA TO STA	QUANTITY
STA 148+00 TO STA 191+00	55 EACH
STA 195+00 TO STA 279+00	106 EACH
	TOTAL
	161 EACH

RAISED REFLECTIVE PAVEMENT MARKER REMOVAL

STA TO STA	QUANTITY
STA 148+00 TO STA 150+32	4 EACH
	TOTAL
	4 EACH

PAINT PAVEMENT MARKING - LINE 4"

STA TO STA & OFFSET	TYPE	COLOR	QUANTITY
STA 148+00 TO STA 191+00 LT.	EDGE LINE	WHITE	4300 FOOT
STA 148+00 TO STA 191+00 RT.	EDGE LINE	WHITE	4300 FOOT
STA 195+00 TO STA 279+00 LT.	EDGE LINE	WHITE	8400 FOOT
STA 195+00 TO STA 279+00 RT.	EDGE LINE	WHITE	8400 FOOT
STA 163+00 TO STA 191+00 LT. & RT	NO PASSING	YELLOW	5600 FOOT
STA 195+00 TO STA 227+00 LT. & RT	NO PASSING	YELLOW	6400 FOOT
STA 148+00 TO STA 163+00 C.L.	SKIP DASH	YELLOW	380 FOOT
STA 227+00 TO STA 279+00 C.L.	SKIP DASH	YELLOW	1300 FOOT
		TOTAL	39080 FT.**

** WHITE EDGELINE = 25400 FOOT
YELLOW NO PASSING ZONE = 12000 FOOT
YELLOW SKIP DASH = 1680 FOOT

SAFETY SCHEDULES

SCALE	APPROVED BY:	DRAWN BY
DATE	REVISION	
		DRAWING NUMBER

THERE ARE NO FOUNDATION BORING LOGS AVAILABLE FOR THE BOX CULVERT EXTENSIONS CONSTRUCTED AS APART OF THIS SECTION.

PRECAST CONCRETE BOX CULVERTS SHALL NOT BE ALLOWED FOR THESE BOX CULVERT EXTENSIONS.

ALL CONCRETE REQUIRED FOR THE CONSTRUCTION OF THE BOX CULVERT EXTENSIONS, HEADWALLS, WINGWALLS, AND TOEWALLS ARE INCLUDED IN THE QUANTITY FOR CONCRETE BOX CULVERTS.

THE COST OF ALL EXCAVATION REQUIRED FOR THE PLACEMENT OF THE BOX CULVERT EXTENSIONS, THE WINGWALLS, AND CUT-OFF WALLS SHALL BE INCLUDED IN THE COST OF THE UNIT PRICE FOR CONCRETE BOX CULVERTS AND NO ADDITIONAL COMPENSATION SHALL BE ALLOWED THE CONTRACTOR.

AT LEAST 6' - 0" OF THE BARREL SHALL BE POURED MONOLITHICALLY WITH THE WINGWALLS.

LAYOUT MAY BE VARIED IN THE FIELD TO SUIT EXISTING GROUND CONDITIONS AS DIRECTED BY THE ENGINEER.

THE CONCRETE BOX CULVERT EXTENSIONS SHALL HAVE A MINIMUM OF 3" OF CA-06 OR CA-07 PLACED UNDER THE CONCRETE. THE COST OF THE EXCAVATION AND CA-06 OR CA-07 SHALL BE INCLUDED IN THE UNIT PRICE OF CONCRETE BOX CULVERTS AND NO ADDITIONAL COMPENSATION SHALL BE ALLOWED THE CONTRACTOR.

REINFORCEMENT BARS SHALL CONFORM TO THE REQUIREMENTS OF THE BDE SPECIAL PROVISION REINFORCEMENT BAR.

ALL EXPOSED EDGES SHALL BE BEVELED ¼"

ALL EXPANSION BOLTS ¾" SHALL BE EMBEDDED A MINIMUM OF 3 INCHES INTO THE EXISTING CONCRETE BOX CULVERT.

CONCRETE BOX CULVERT

STATION	OFFSET	QUANTITY
212+56	LEFT	8.1 CU YD
213+00	RIGHT	8.1 CU YD
251+22	LEFT	4.4 CU YD
251+22	RIGHT	4.4 CU YD
	TOTAL	25.0 CU YD

REINFORCEMENT BAR

STATION	OFFSET	QUANTITY
212+56	LEFT	1505 POUND
213+00	RIGHT	1505 POUND
251+22	LEFT	980 POUND
251+22	RIGHT	980 POUND
	TOTAL	4970 POUND

EXPANSION BOLTS ¾"

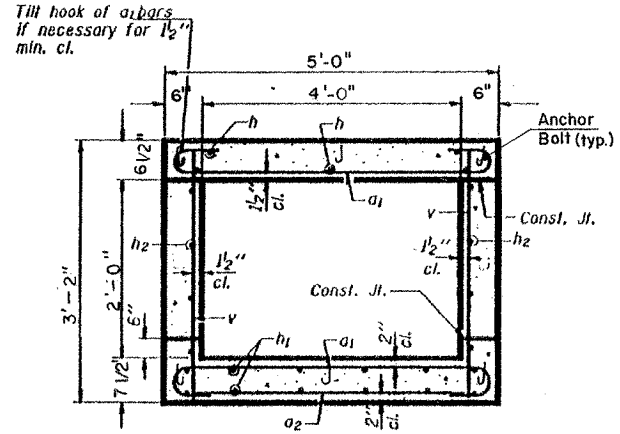
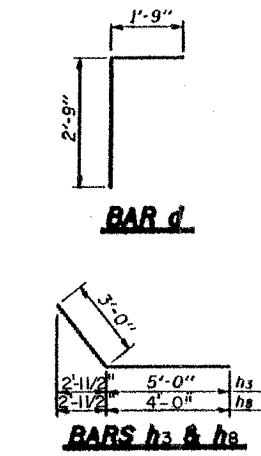
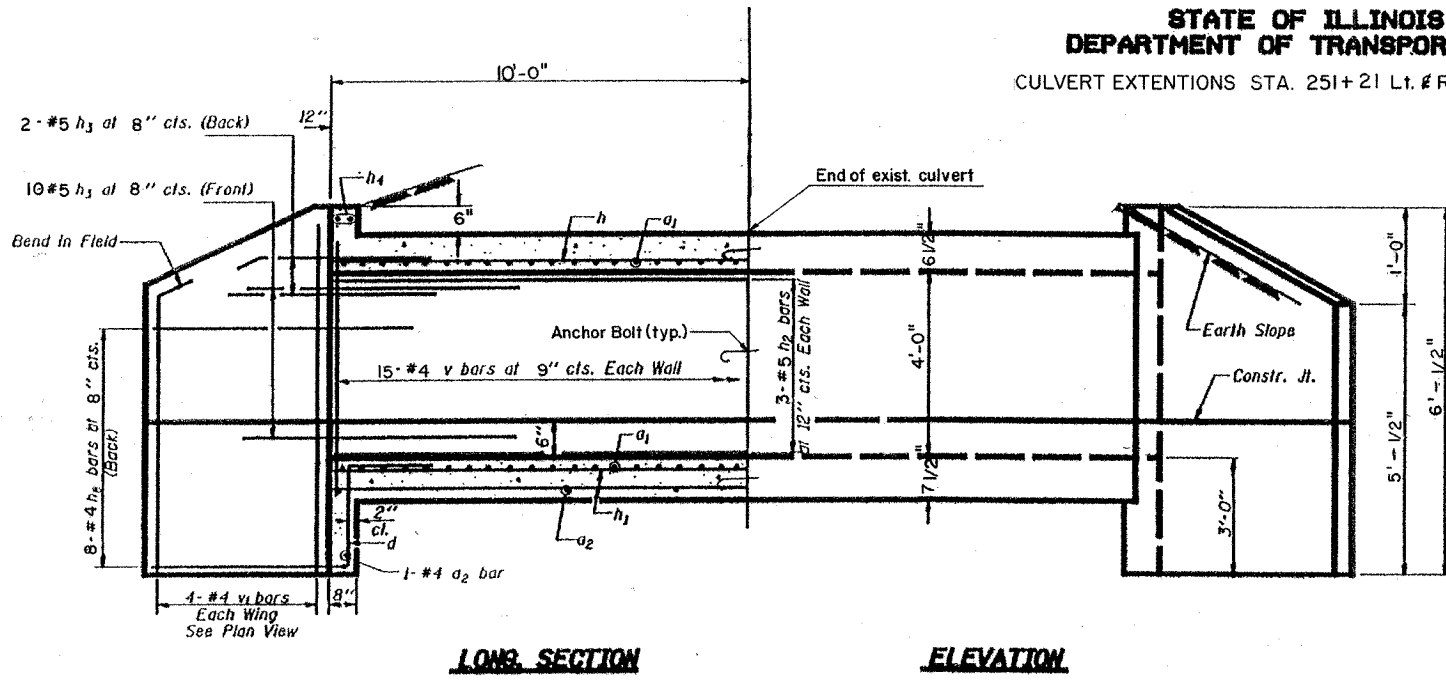
STATION	OFFSET	QUANTITY
212+56	LEFT	8 EACH
213+00	RIGHT	8 EACH
251+22	LEFT	6 EACH
251+22	RIGHT	6 EACH
	TOTAL	28 EACH

GENERAL CULVERT NOTES

SCALE	APPROVED BY	DRAWN BY
DATE	REVISED	
DRAWING NUMBER		

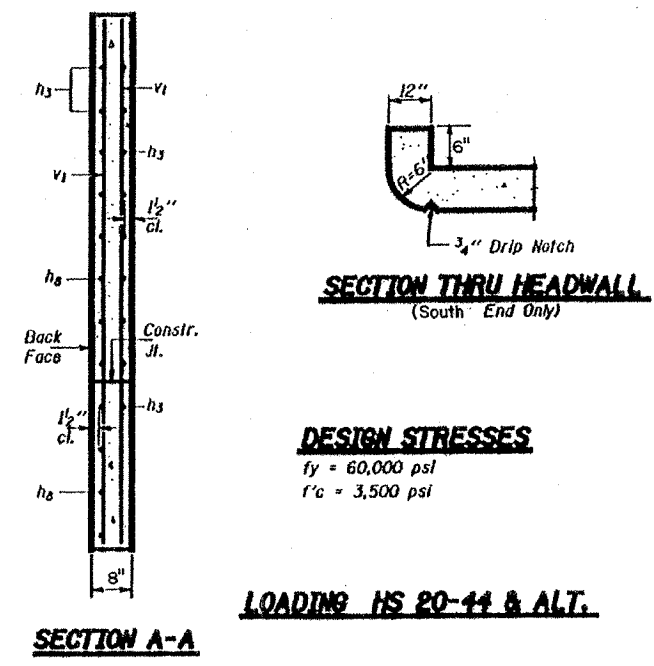
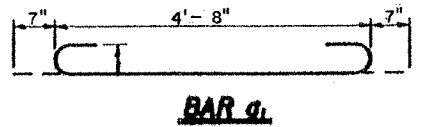
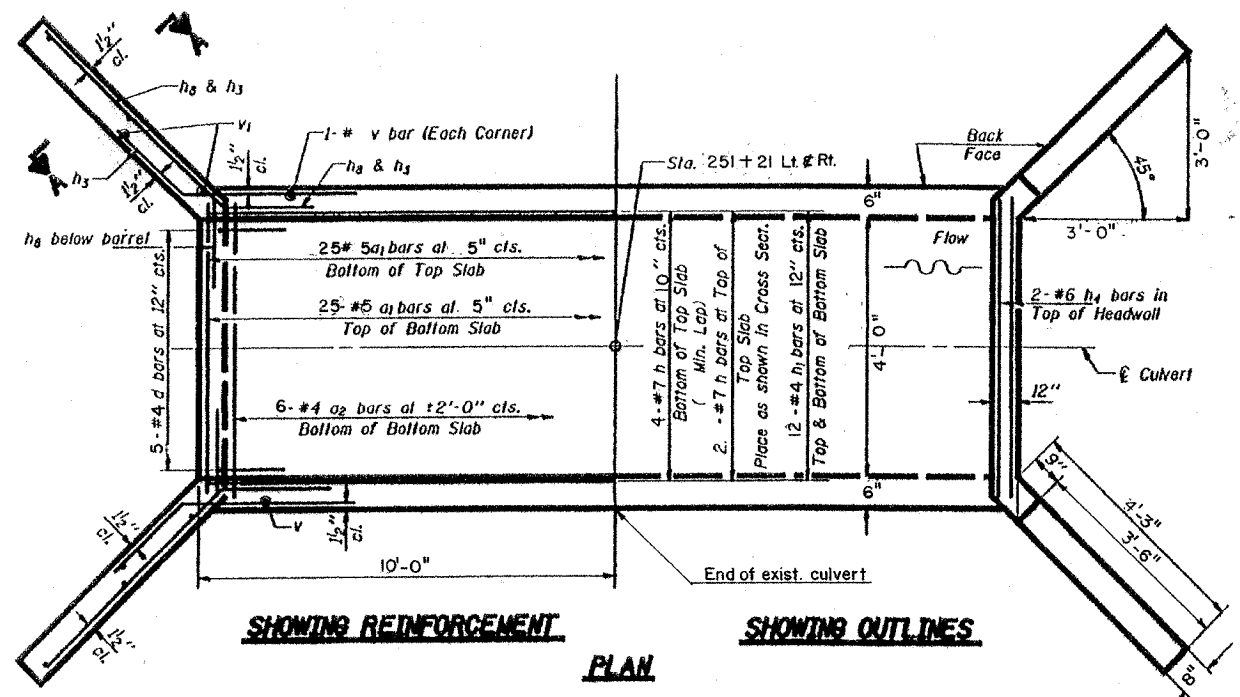
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION
CULVERT EXTENSIONS STA. 251+21 Lt. & Rt.

ROUTE NO.	SECTION	COUNTY	TOWN	RANGE	SHEET NO. 13 of 59 SHEETS
1-1656	*	SHELBY			
*05-00260-00-RS CONTRACT NO. 95488					



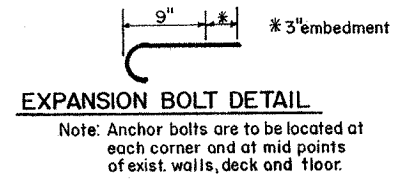
SECTION THRU BARREL
QUANTITIES FOR 1 EXTENSION

Bar	No.	Size	Length	Shape	
a	50	#5	5'-10"	U	
a2	7	#4	4'-8"	—	
d	5	#4	4'-6"	L	
h	6	#7	9'-8"	—	
h1	12	#4	9'-8"	—	
h2	6	#5	9'-8"	—	
h3	24	#5	8'-0"	—	
h4	2	#6	4'-9"	—	
h6	16	#4	7'-0"	—	
y	32	#4	2'-10"	—	
y1	8	#4	5'-8"	—	
Concrete Box Culverts				Cu. Yd.	4.4
Reinforcement Bars				Pound	980
Expansion Bolts, 3/4" dia				Each	6



NOTES
A distance of half the length of the wingwall but not less than six feet of the barrel shall be poured monolithically with the wingwalls.

DESIGNED	19
CHECKED	EXAMINED
DRAWN	PREPARED
CHECKED	INCHES & FRACTIONS AND STRUCTURE

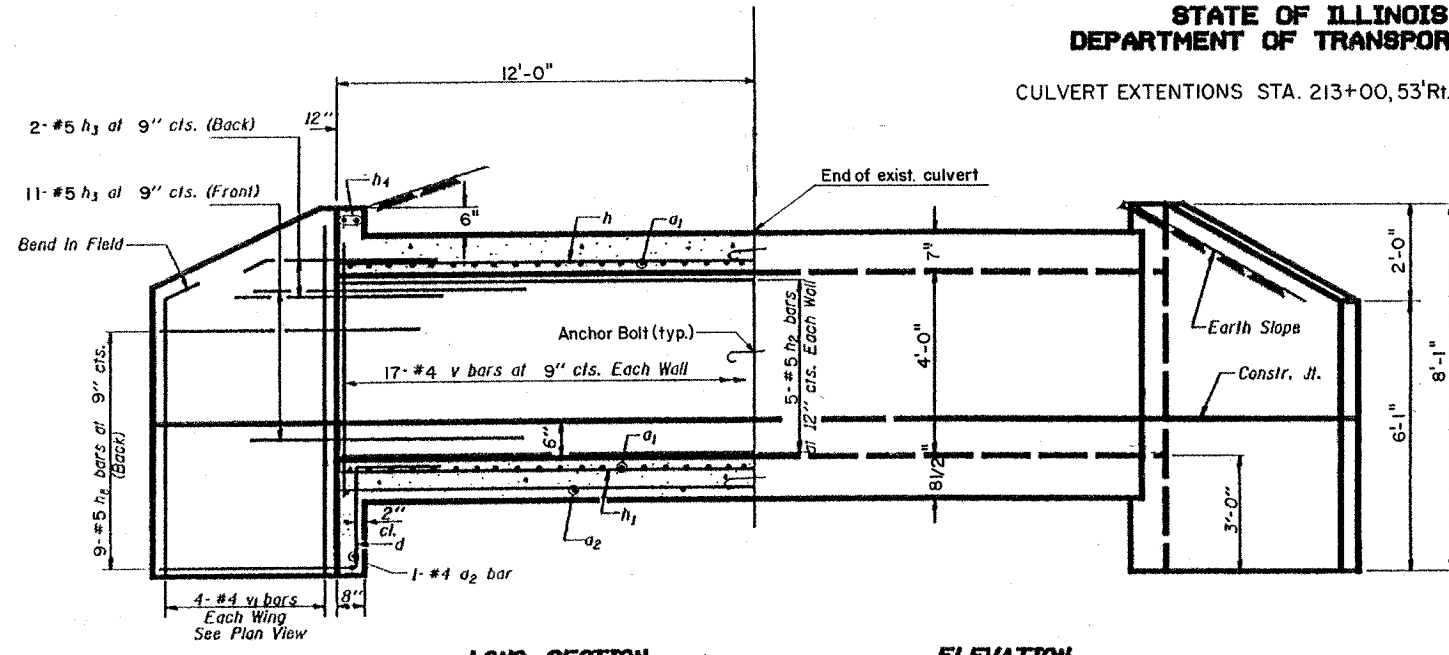


SSB-H-0 4-30-98

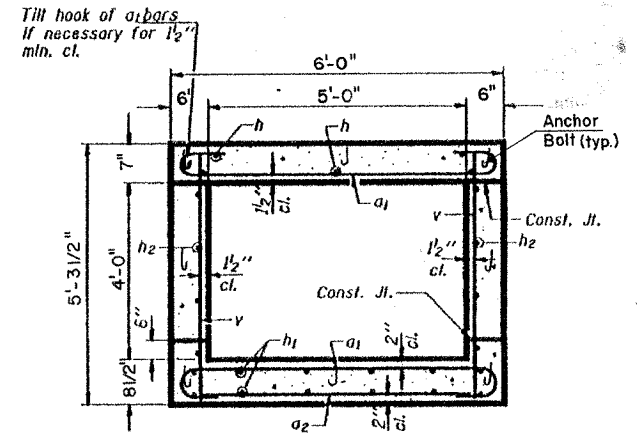
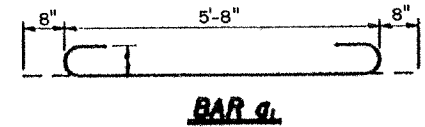
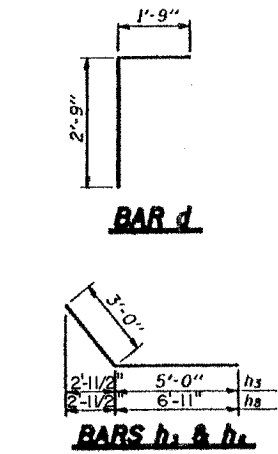
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

CULVERT EXTENTIONS STA. 213+00, 53' Rt. / STA. 212+56, 56' Lt.

PROJECT NO.	SECTION	DATE	BY	SHEET NO. 14 of 59 SHEETS
656	*	SHELBY		
PROJECT NAME				CONTRACT NO. 95488



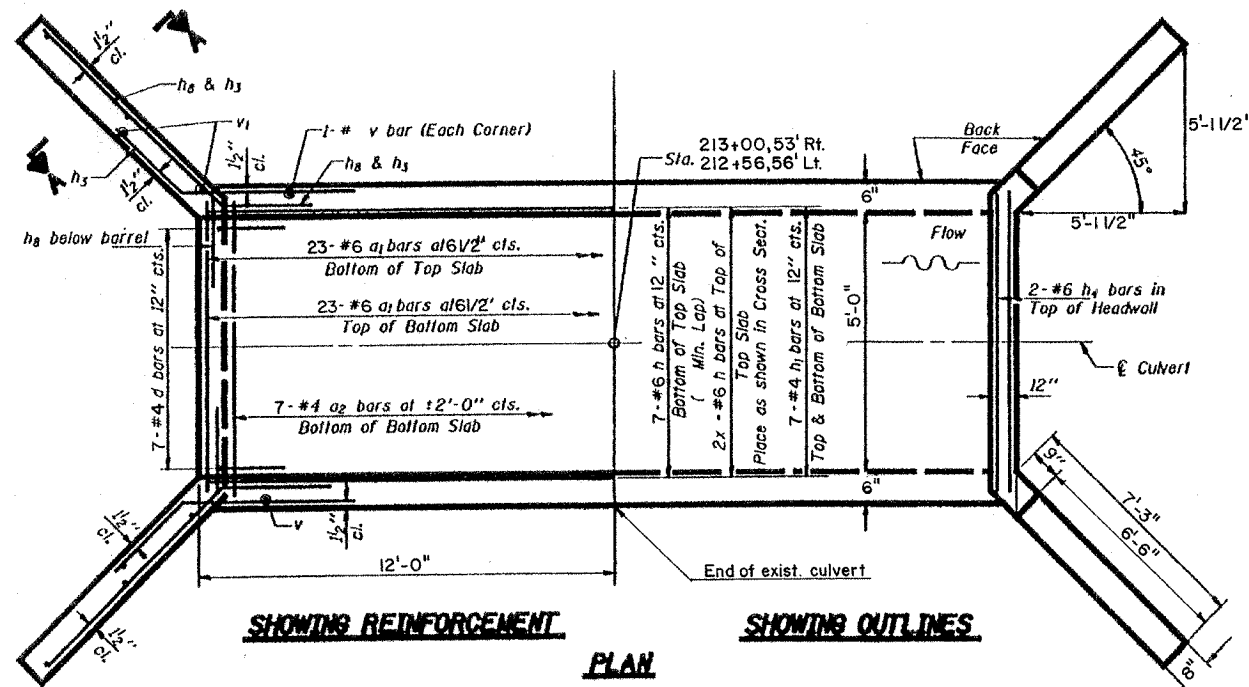
LONG SECTION ELEVATION



SECTION THRU BARREL

QUANTITIES FOR 1 EXTENSION

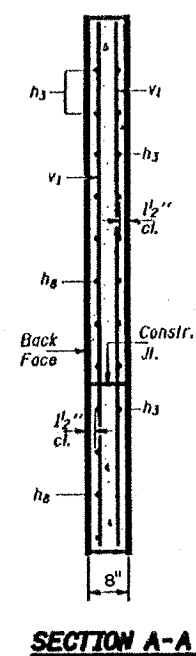
Bar	No.	Size	Length	Shape	
a1	46	#6	7'-0"	U	
a2	8	#4	5'-8"	—	
d	7	#4	4'-6"	L	
h	9	#6	11'-8"	—	
h1	14	#4	11'-8"	—	
h2	10	#5	11'-8"	—	
h3	26	#5	8'-0"	—	
h4	2	#6	5'-9"	—	
h5	18	5	9'-11"	—	
v	36	#4	4'-11"	—	
v1	8	#4	7'-7"	—	
Concrete Box Culverts				Cu. Yd.	8.1
Reinforcement Bars				Pound	1505
Expansion Bolts, 3/4" dia				Each	8



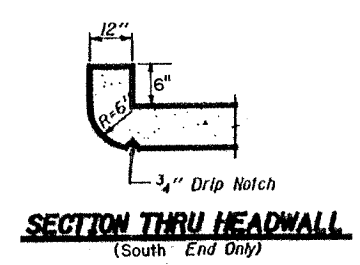
SHOWING REINFORCEMENT SHOWING OUTLINES
FLAN

NOTES

A distance of half the length of the wingwall but not less than six feet of the barrel shall be poured monolithically with the wingwalls.



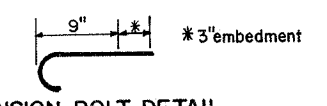
SECTION A-A



SECTION THRU HEADWALL (South End Only)

DESIGN STRESSES

fy = 60,000 psi
f'c = 3,500 psi



EXPANSION BOLT DETAIL

Note: Anchor bolts are to be located at each corner and at mid points of exist. walls, deck and floor.

LOADING HS 20-44 & ALT.

DESIGNED	19
CHECKED	ENGINEER OF BRIDGE DESIGN
DRAWN	DRAWER OF BRIDGE AND STRUCTURES
CHECKED	

SSB-H-0 4-30-98

INTENDED SEQUENCE OF EROSION CONTROL

- 1) INSTALL TEMPORARY EROSION CONTROL BARRIER AND INLET AND PIPE PROTECTIONS
- 2) STRIP VEGETATION ALONG SLOPES
- 3) INTALL TEMPORARY DITCH CHECKS AS NEEDED
- 4) TEMPORARY SEED AS NEEDED
- 5) EXTEND BOX CULVERTS
- 6) DO REQUIRED REMOVALS
- 7) PLACE RIP RAP AS NEEDED
- 8) DO FINAL SHAPING
- 9) DO PERMANET SEEDING AND MULCH
- 10) REMOVAL OF ALL TEMPORARY EROSION CONTROLS

TEMPORARY EROSION CONTROL BARRIER

STATION TO STATION	OFFSET	QUANTITY
STA 218+13 TO STA 222+40	RIGHT	427 FOOT
STA 218+52 TO STA 221+50	LEFT	298 FOOT
STA 210+75 TO STA 215+22	LEFT	447 FOOT
STA 211+55 TO STA 215+14	RIGHT	359 FOOT
	TOTAL	1531 FOOT

AN ESTIMATED QUANTITY OF TEMPORARY DITCH CHECKS AND AN ESTIMATED QUANTITY OF TEMPORARY EROSION CONTROL SEEDING HAVE BEEN INCLUDED IN THE CONTRACT TO ESTABLISH A CONTRACT UNIT PRICE. THESE ITEM SHALL BE INSTALLED AT LOCATIONS AS DIRECTED BY THE ENGINEER. NO ADJUSTMENT TO THE UNIT PRICE SHALL BE MADE BY THE INCREASE OR DECREASE OF THE PLAN QUANTITY.

FOR THE STORM WATER POLLUTION PREVENTION PLAN SEE THE CONTRACT SPECIAL PROVISIONS

INLET & PIPE PROTECTION

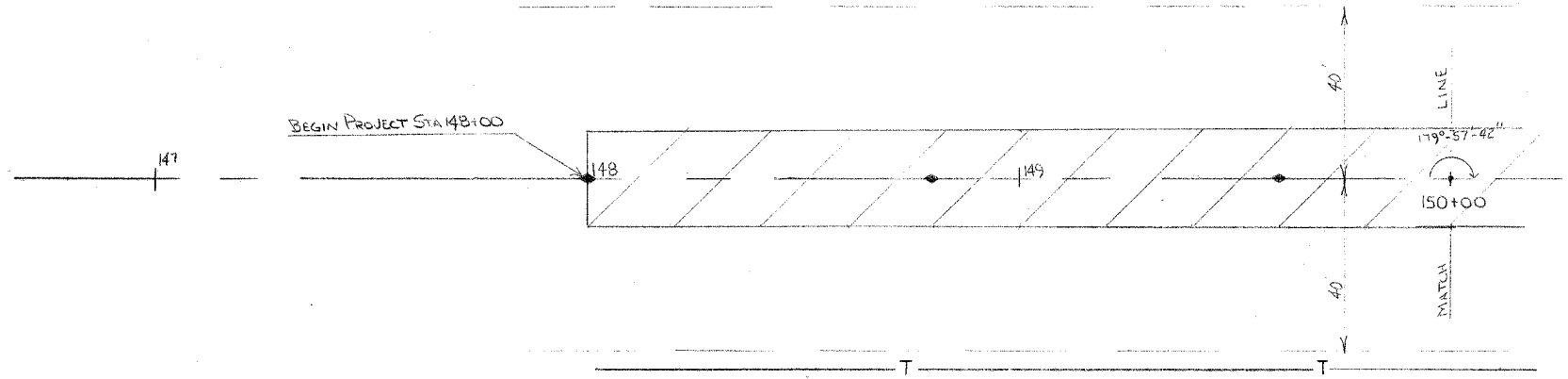
STATION	OFFSET	QUANTITY
168+50	25' LT.	1.0 EACH
170+95	23' LT.	1.0 EACH
213+00	58' RT.	1.0 EACH
219+83	46' LT.	1.0 EACH
251+21	27' LT.	1.0 EACH
	TOTALS	5.0 EACH

TEMPORARY EROSION CONTROL		
SCALE	APPROVED BY	DRAWN BY
DATE	REVISED	
		DRAWING NUMBER

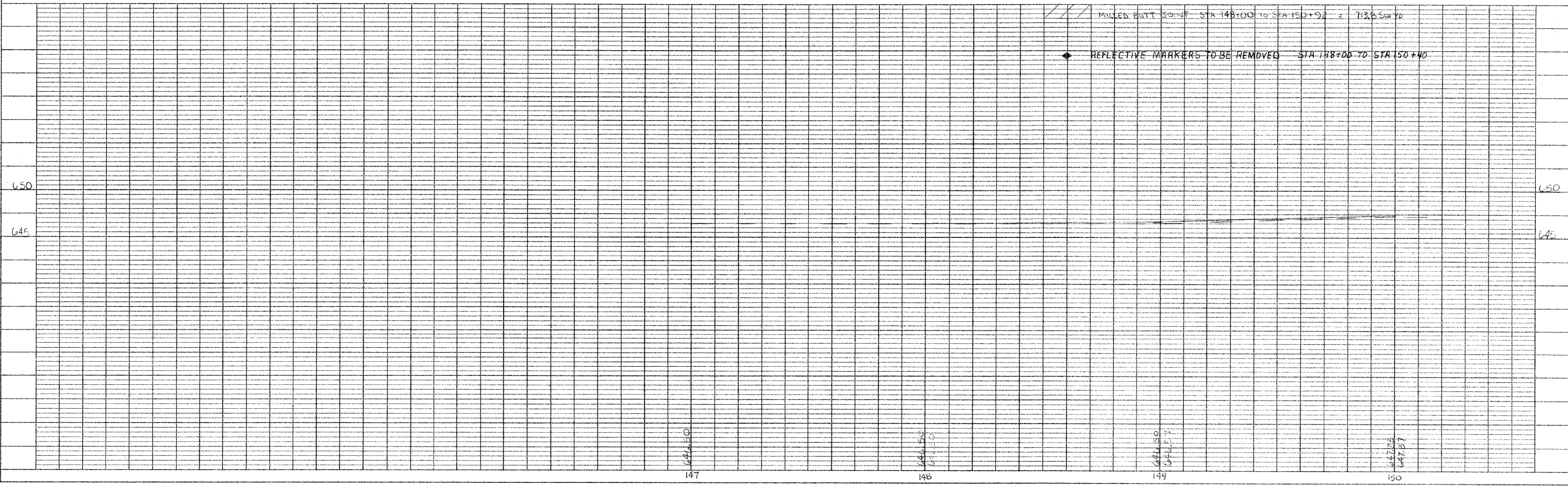
CONTRACT NO. 95428
 SHELBY COUNTY
 SECTION 05-00260-00-RS
 P&S 650
 SHEET 16 OF 59 SHEETS



PLAN
 SURVEYED _____
 PLOTTED _____
 NOTE BOOK _____
 No. _____

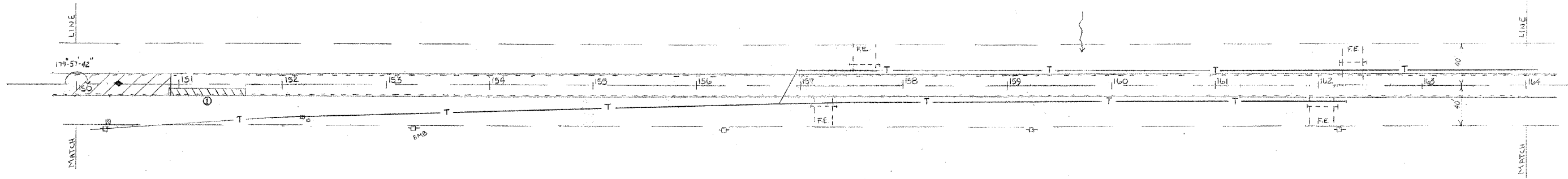


PROFILE
 SURVEYED _____
 PLOTTED _____
 NOTE BOOK _____
 No. _____

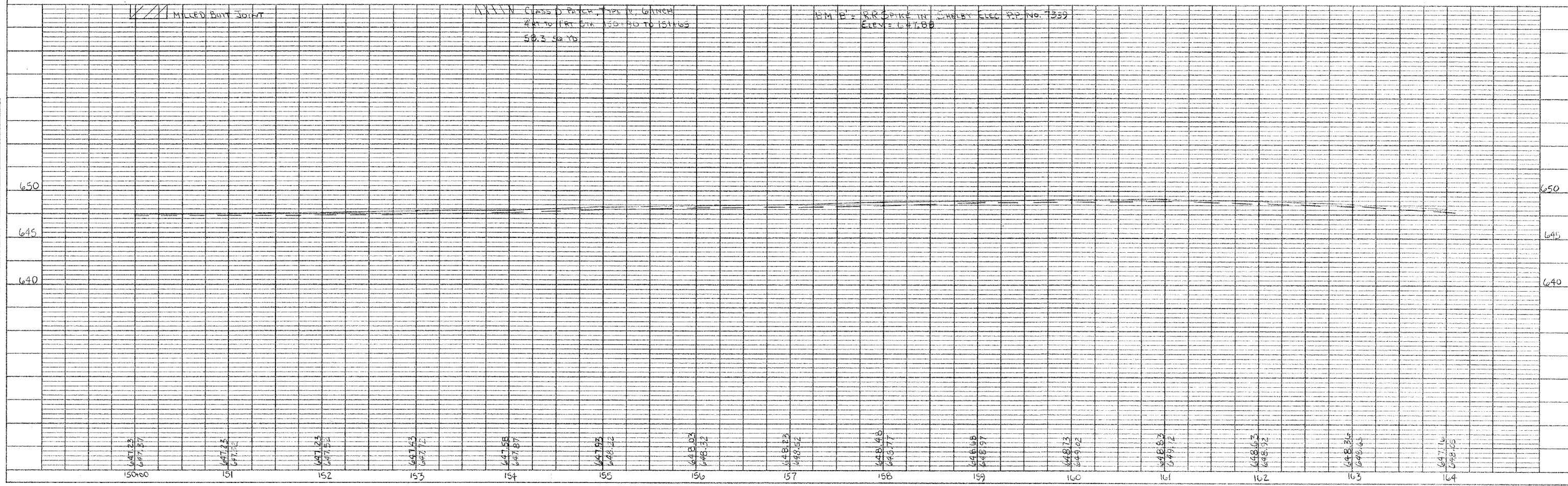


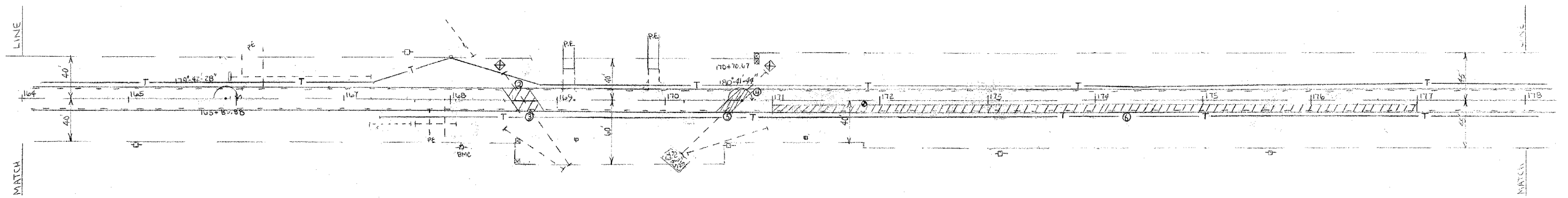


DATE: _____
 BY: _____
 SUPERVISED: _____
 NOTE BOOK: _____
 ALIGNMENT CHECKED: _____
 RT. OF WAY CHECKED: _____
 No. _____



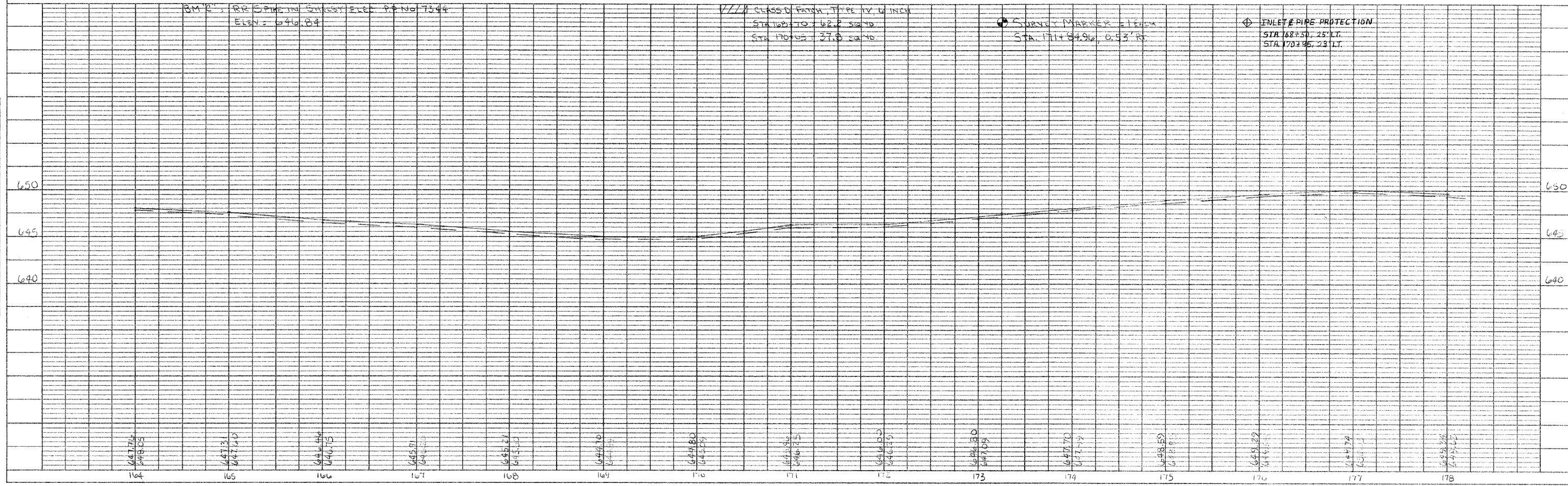
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 BY: _____
 SUPERVISED: _____
 NOTE BOOK: _____
 GRADE CHECKED: _____
 B. M.'S. NOTED: _____
 STRUCTURE NOTATIONS CHECKED: _____
 No. _____





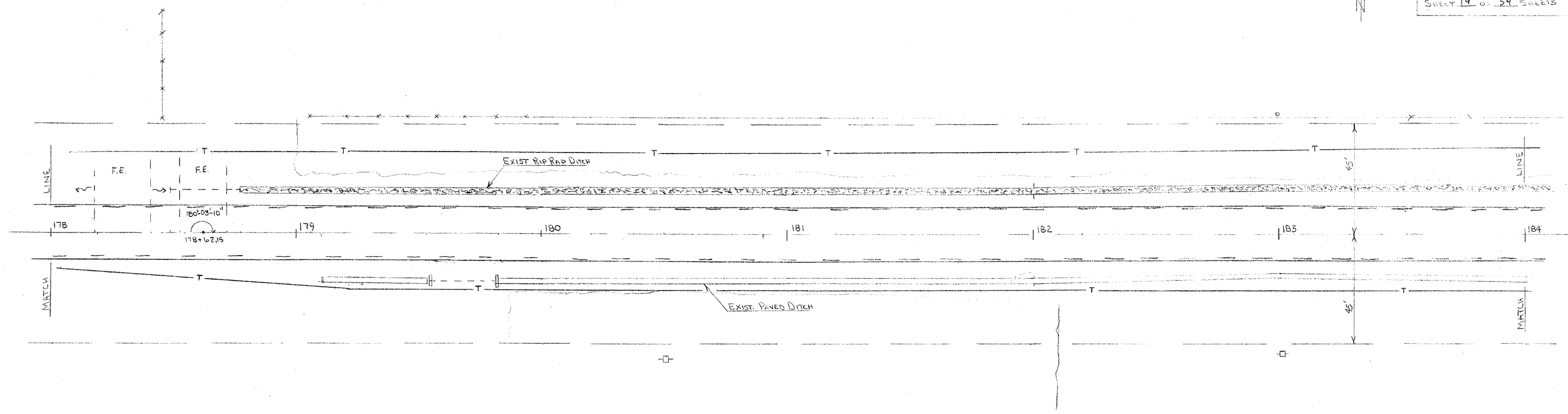
PLAN
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 NOTE BOOK: _____
 NO. _____

PROFILE
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 NOTE BOOK: _____
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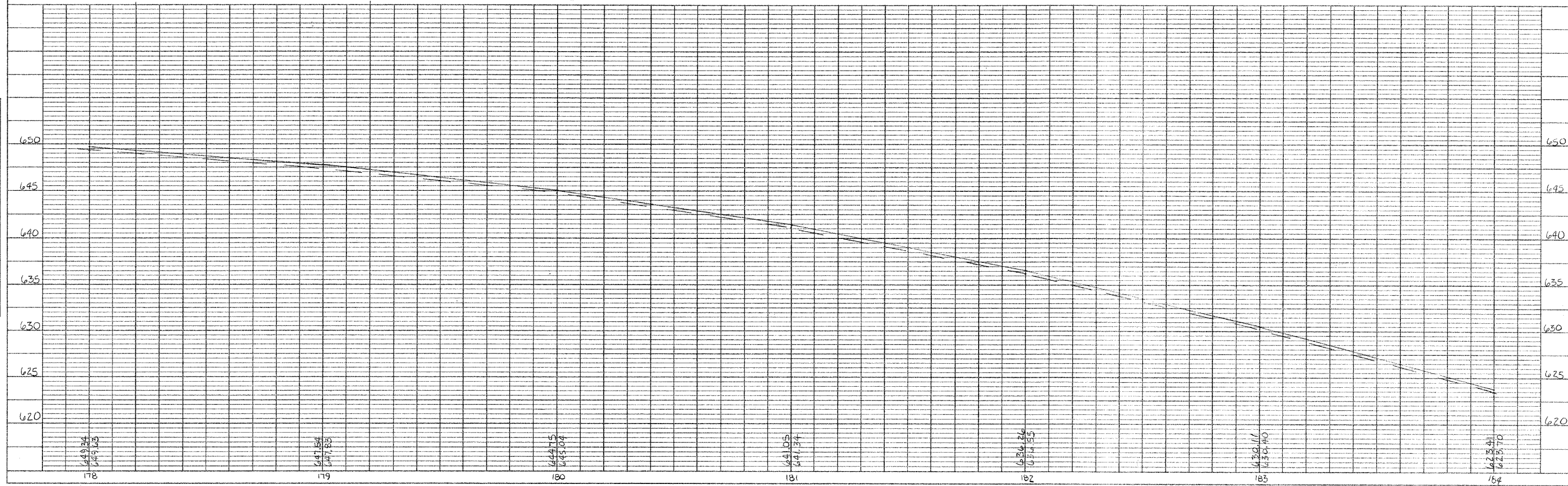




PLAN
 SUBMITTED BY DATE
 NOTE BOOK NO. OF WAY CHECKED
 STRUCTURE INSTA. CHECKED

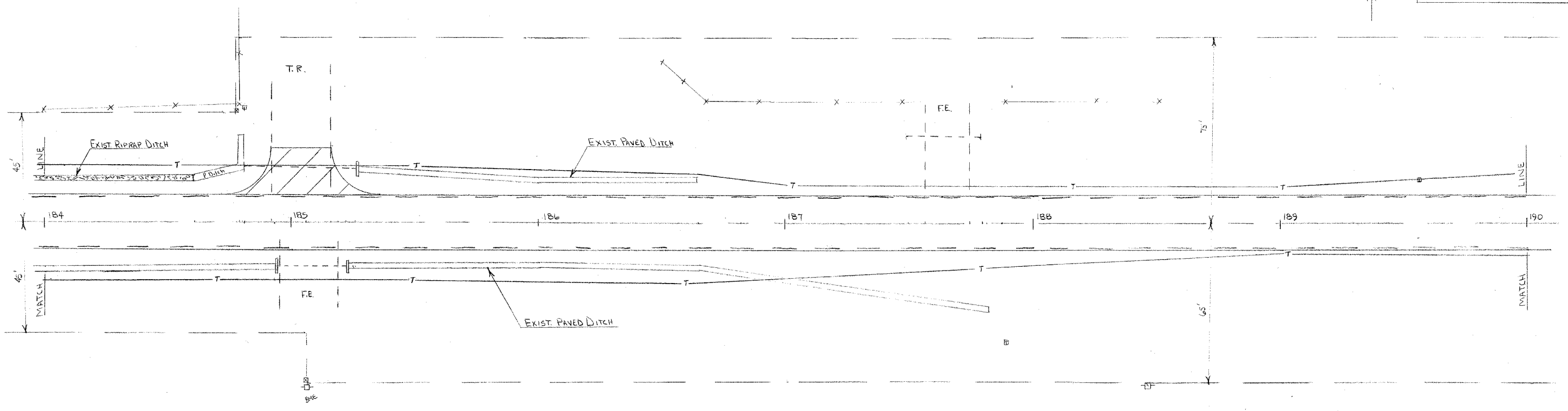


PROFILE
 SUBMITTED BY DATE
 NOTE BOOK GRADE CHECKED
 H. A.'S. NOTED
 STRUCTURE INSTA. CHECKED

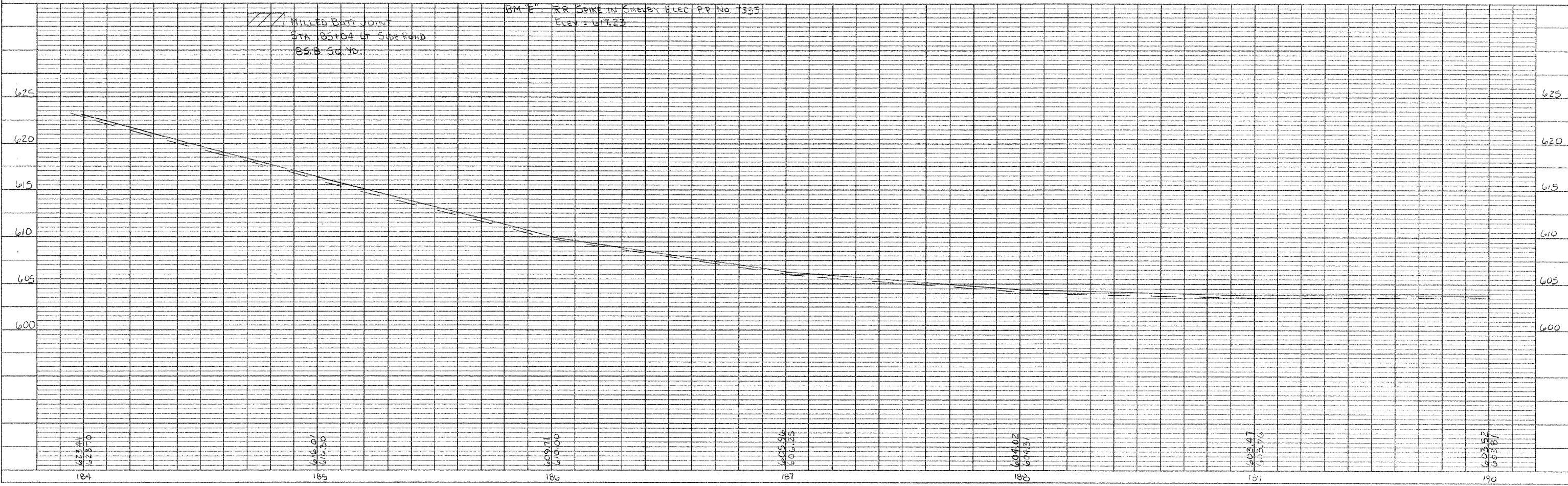


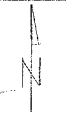


PLAN
 SURVEYED BY
 PLOTTED BY
 NOTE BOOK No.
 ALIGNMENT CHECKED BY
 AT OR NEAR DATED

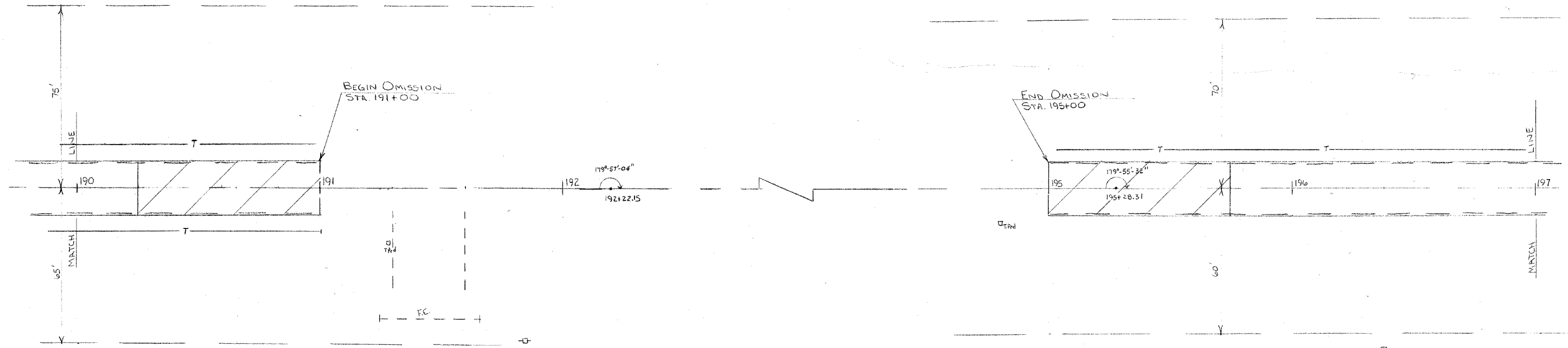


PROFILE
 SURVEYED BY
 PLOTTED BY
 NOTE BOOK No.
 GRADE CHECKED BY
 STRUCTURE NOTATIONS CHECKED

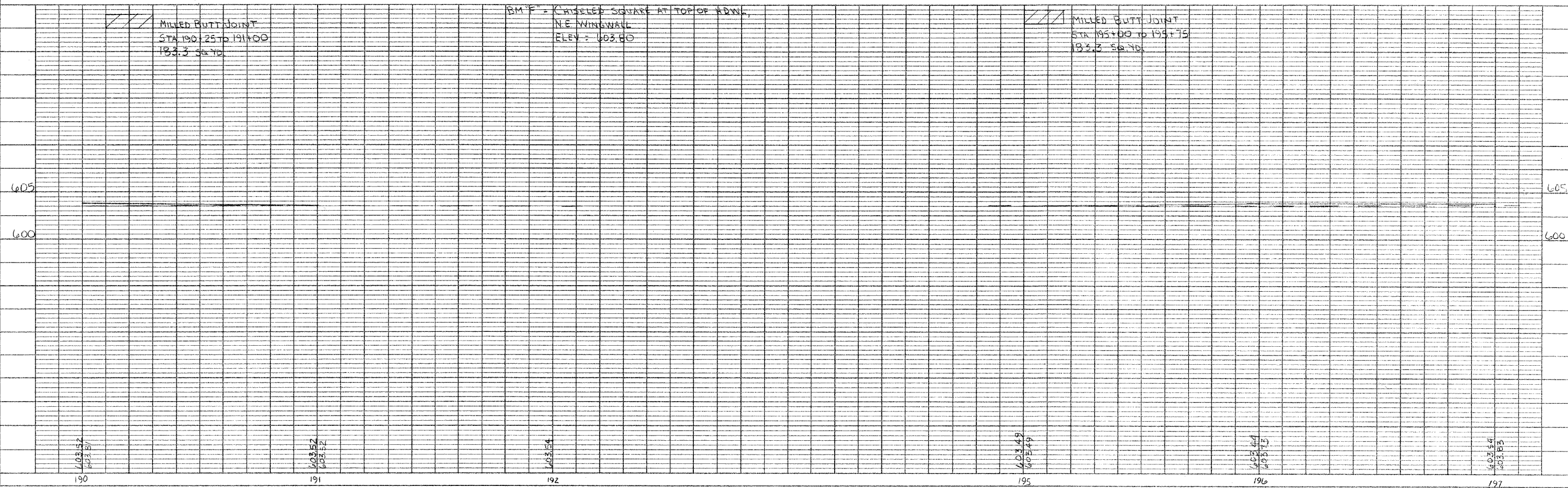




PLAN
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 PLOTTED BY: _____
 NOTE BOOK: _____
 No. _____
 STRUCTURE NOTATIONS CHECKED

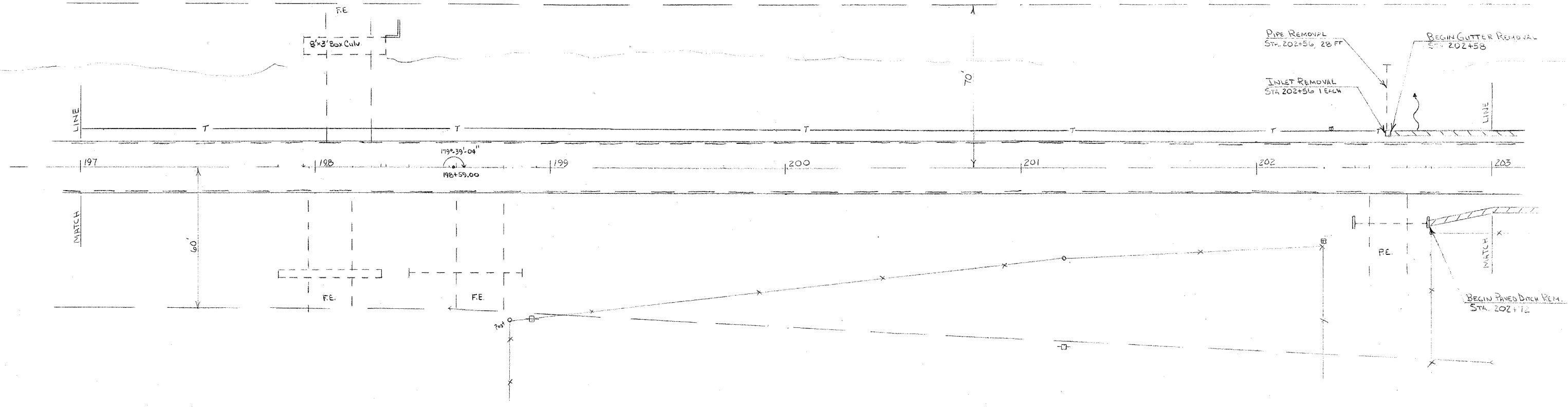


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 No. _____
 STRUCTURE NOTATIONS CHECKED

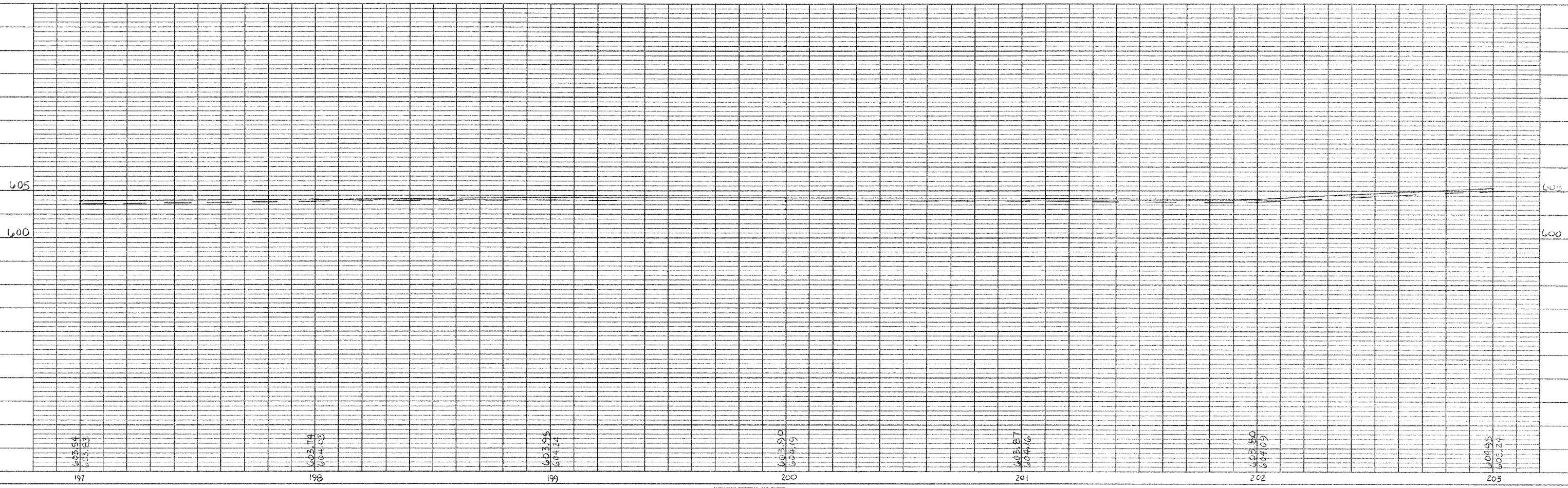


CONTRACT NO. 95488
 SHELBY COUNTY
 SECTION 0-00260-00-RS
 PAGES
 SHEET 22 OF 59 SHEETS

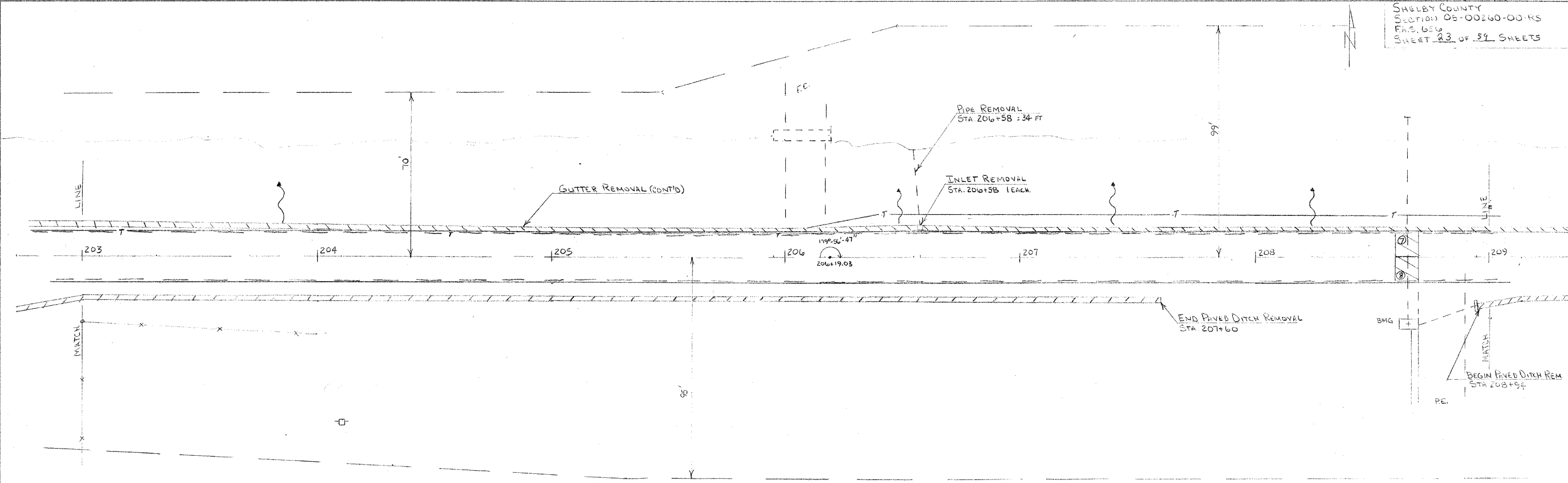
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PLAN
 NOTE BOOK
 NO. _____



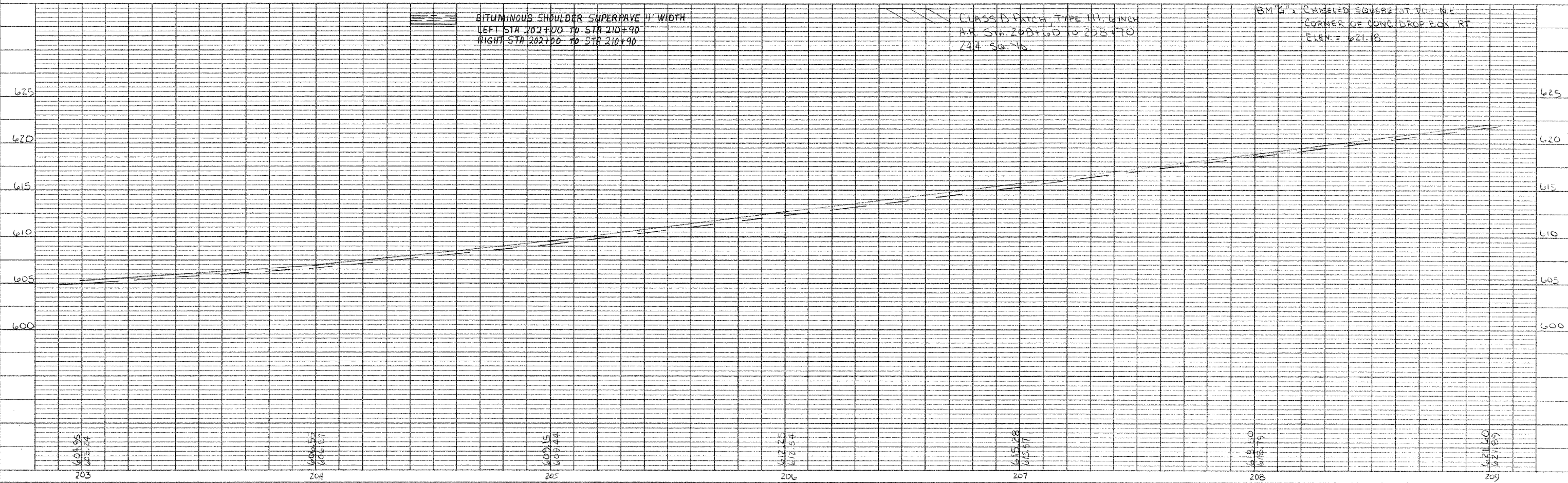
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 NO. _____
PROFILE
 NOTE BOOK
 NO. _____



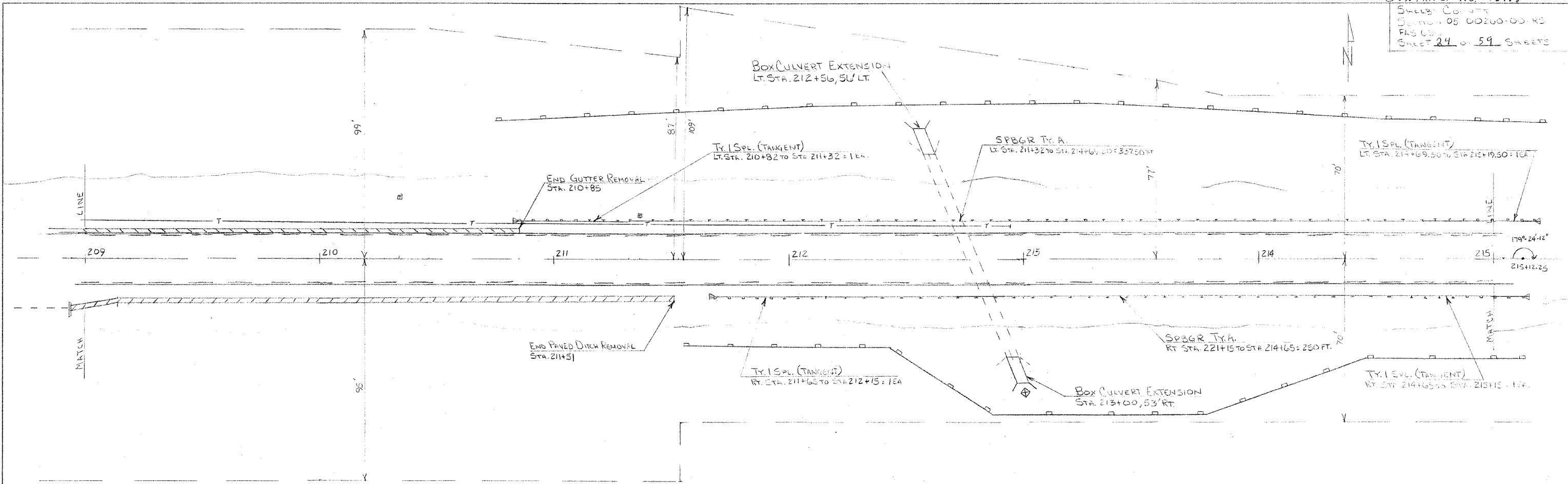
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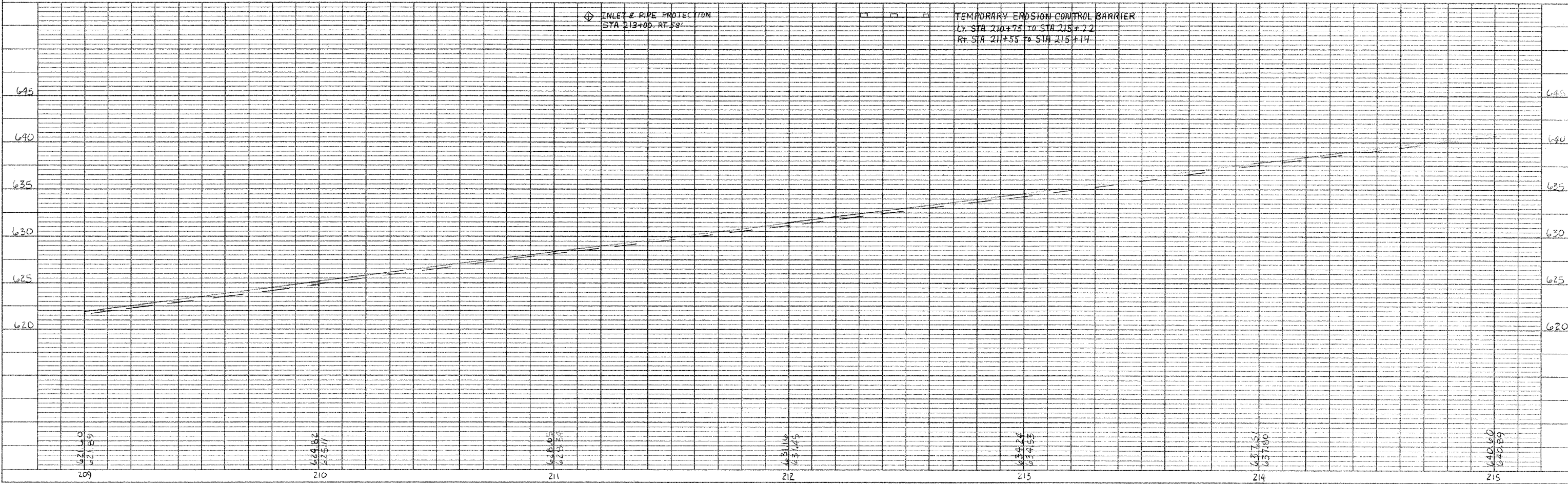
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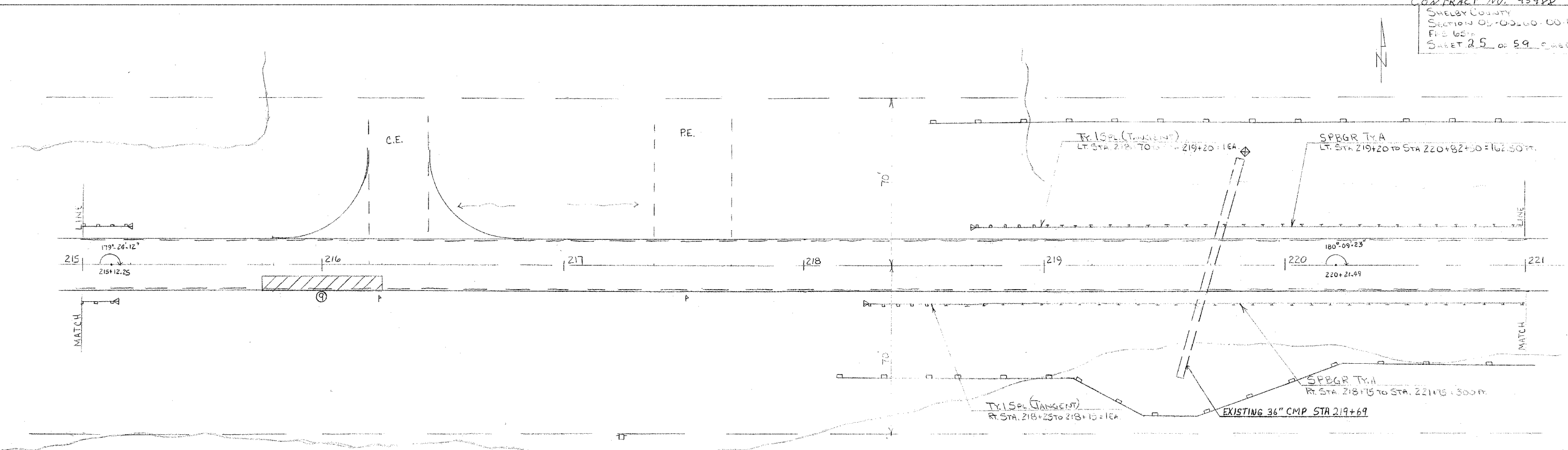


PLAN
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 DATE: _____
 NOTE BOOK: _____
 NO. OF WAY CHECKED: _____
 NO. _____



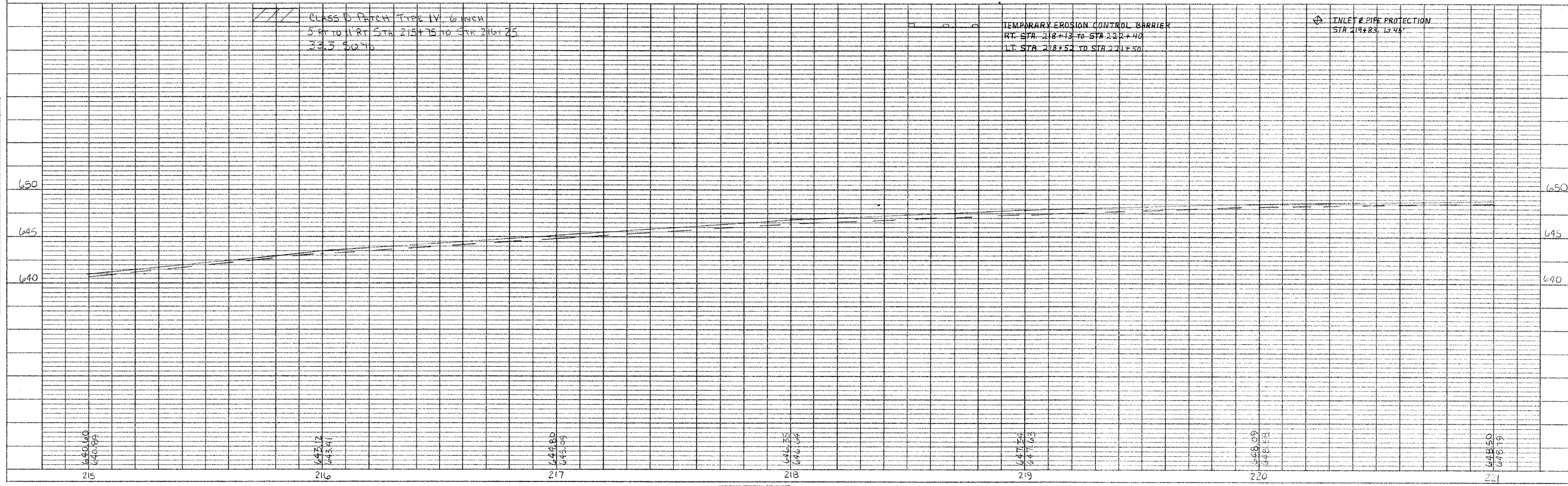
PROFILE
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 DATE: _____
 NOTE BOOK: _____
 GRADE CHECKED: _____
 B. M.'S. NOTED: _____
 STRUCTURE NOTATIONS CHECKED: _____
 NO. _____





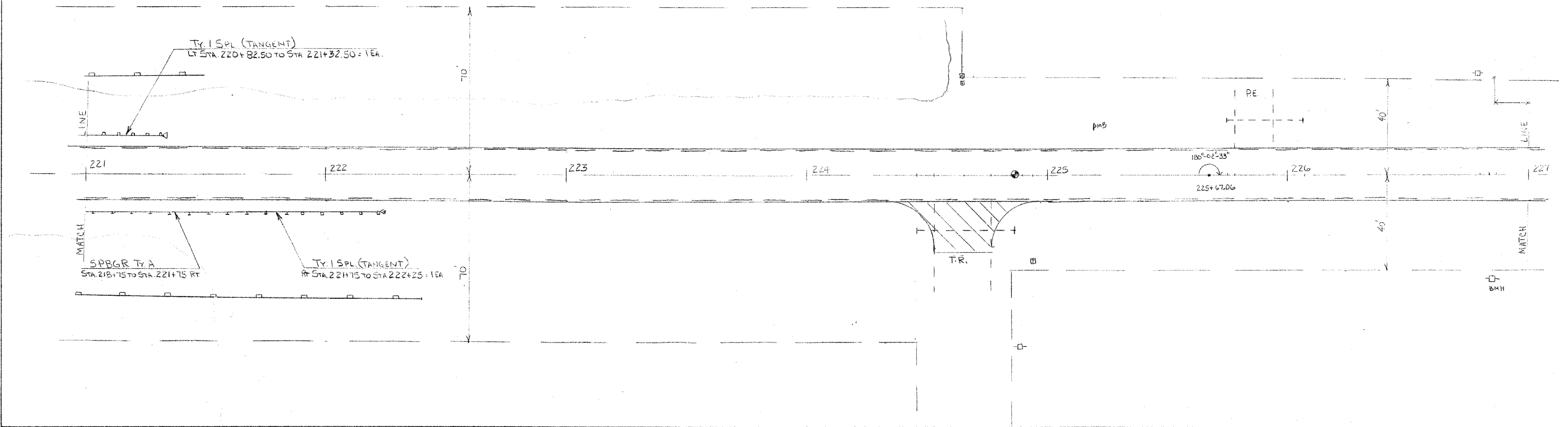
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 BY: _____
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DATE: _____
 BY: _____
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 BY: _____
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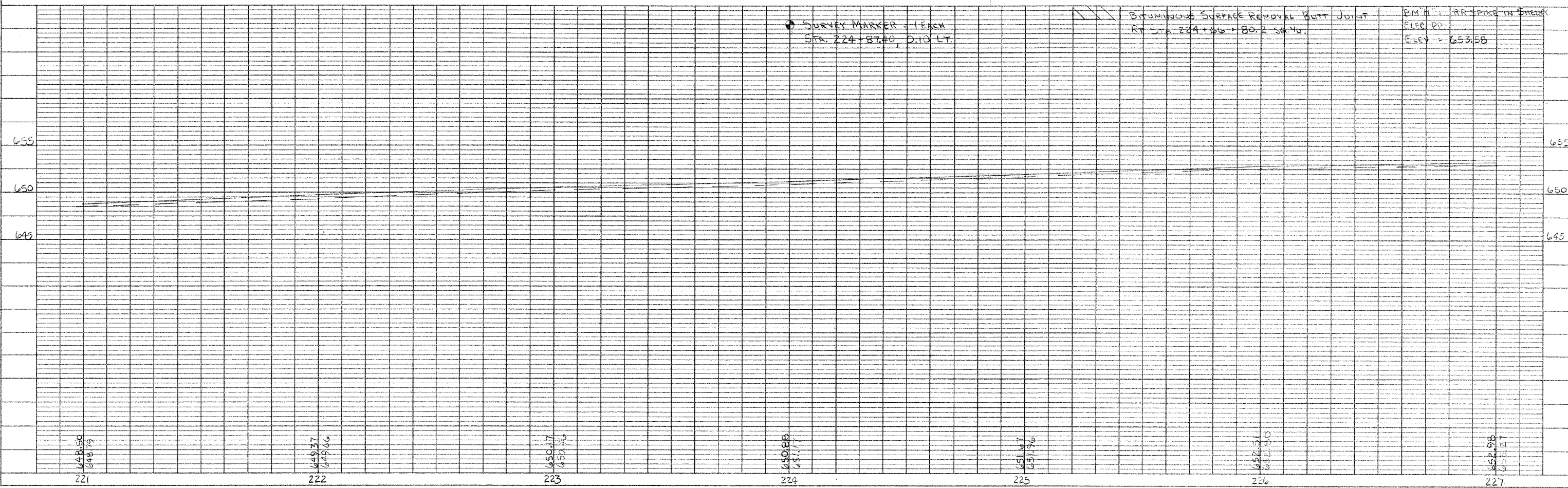


CONTRACT NO. 95488
 OLD HEBERT COUNTY
 SECTION 05-00260-00-85
 P.S. 036
 SHEET 26 OF 59 SHEETS

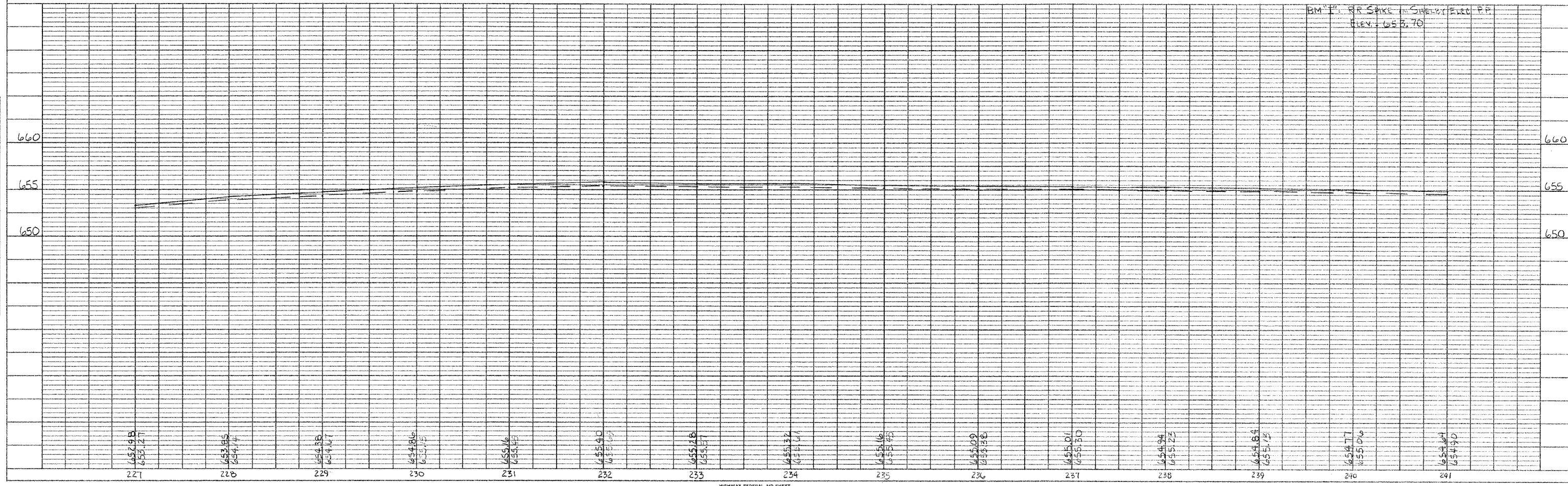
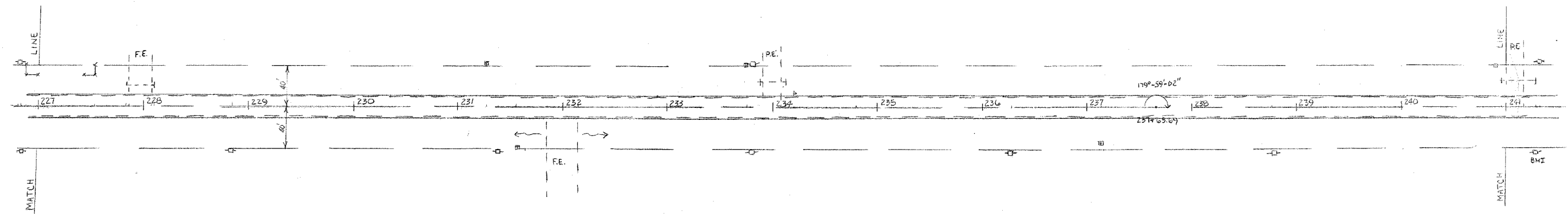
PLAN
 SURVED BY
 PLOTTED BY
 NOTE BOOK No.
 DATE



PROFILE
 SURVED BY
 PLOTTED BY
 NOTE BOOK No.
 DATE



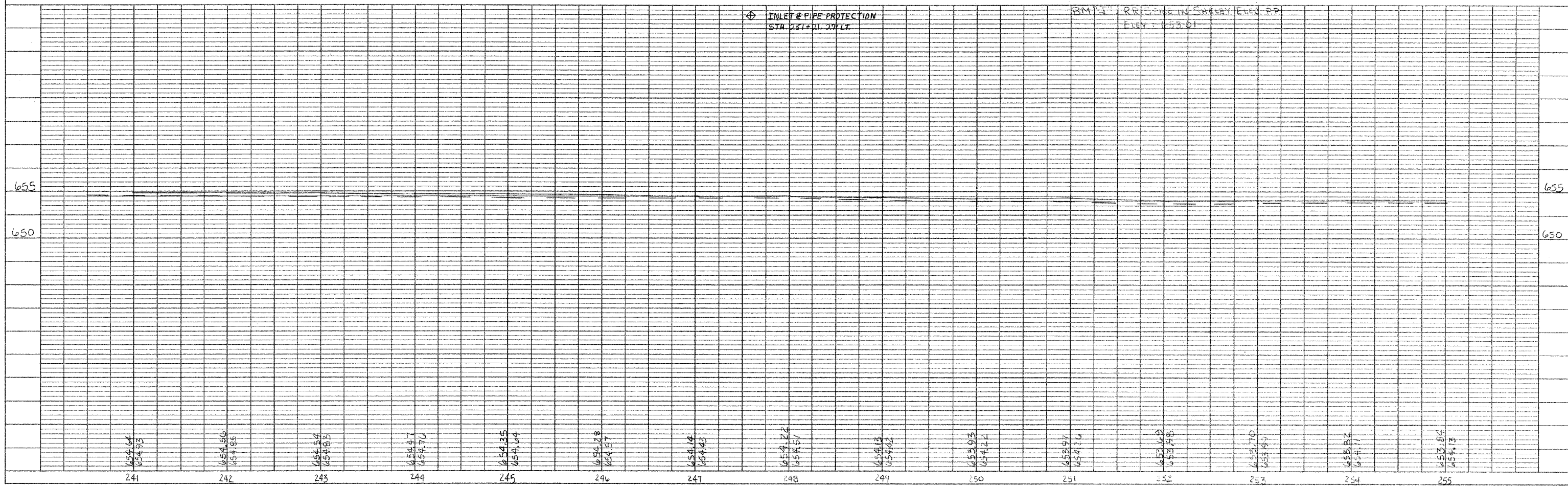
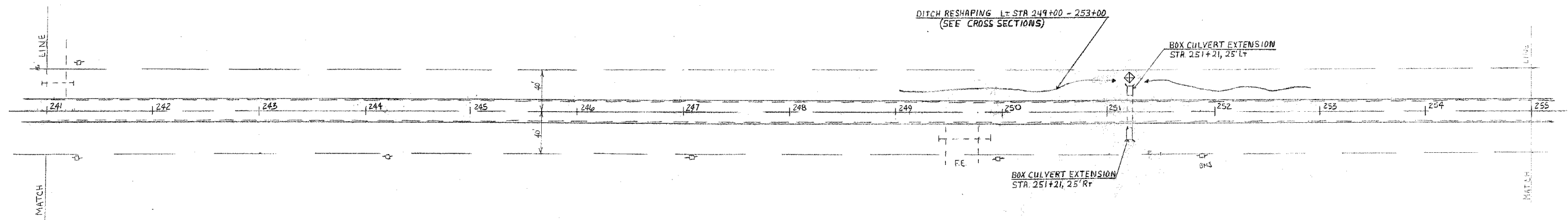
CONTRACT NO. 95488
 SHELBY COUNTY
 SECTION 08-00160-00-15
 FAS 656
 SHEET 27 OF 59 SHEETS



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 BY: _____
 SUPERVISOR: _____
 CHECKED: _____
 NOTE BOOK: _____
 NO. OF WAY CIRCLED: _____

DATE: _____
 BY: _____
 SUPERVISOR: _____
 CHECKED: _____
 NOTE BOOK: _____
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CONTRACT NO. 95488
 SHELBY COUNTY
 SECTION 05-002100-00-25
 FRS 656
 SHEET 8 OF 59 SHEETS



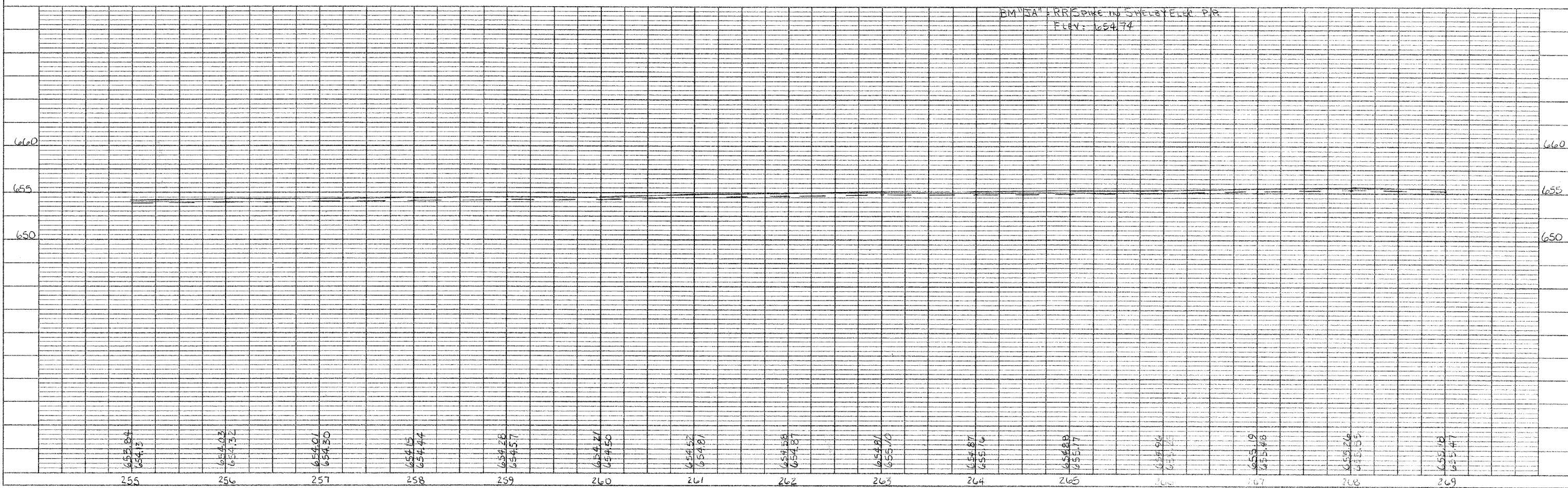
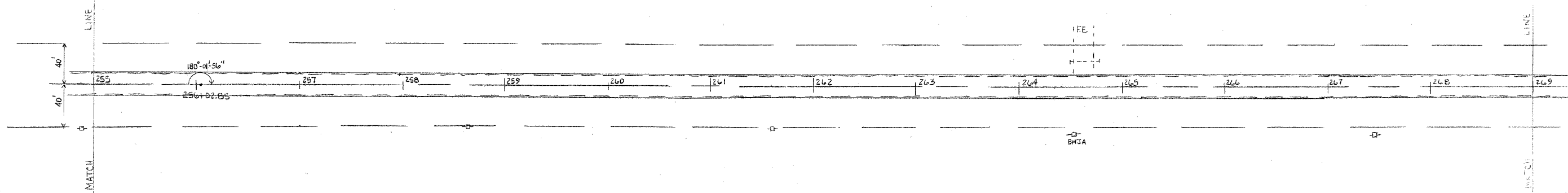
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 BY _____
 CHECKED _____
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 NOTE BOOK ALIGNMENT CHECKED _____
 BY: OF WAY CHECKED _____

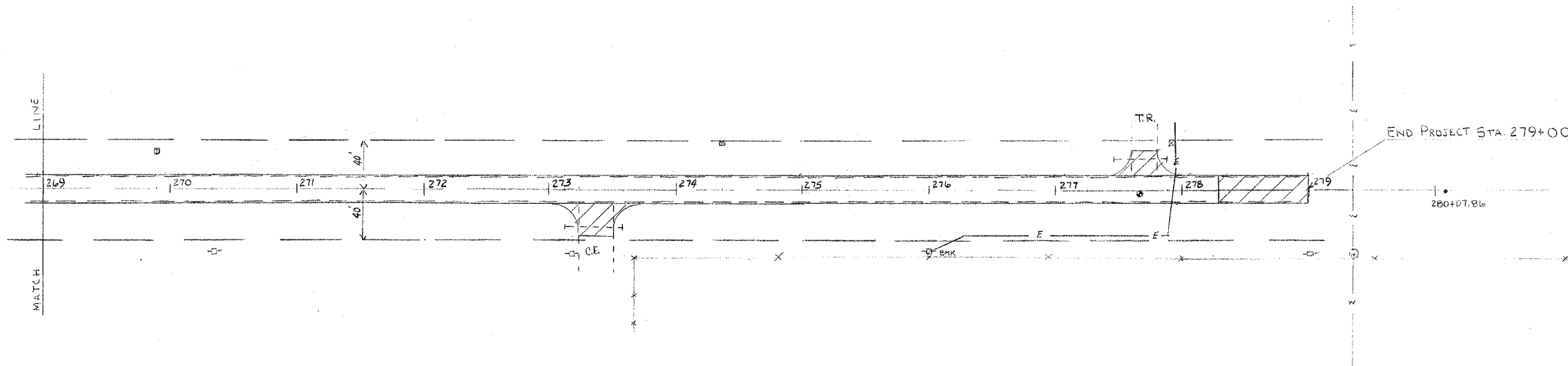
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 DATE _____
 BY _____
 CHECKED _____
 DATE _____
 NO. _____
 NOTE BOOK GRADE CHECKED _____
 BY: OF WAY CHECKED _____
 STRUCTURE NOTATIONS CHECKED _____



PLAN
 SUBMITTED BY
 PLOTTED BY
 NOTE BOOK NO.
 ALIGNMENT CHECKED
 PT. OF WAY CHECKED

PROFILE
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 PLOTTED BY
 NOTE BOOK NO.
 GRADES CHECKED
 FINISHING LOCATIONS CHECKED

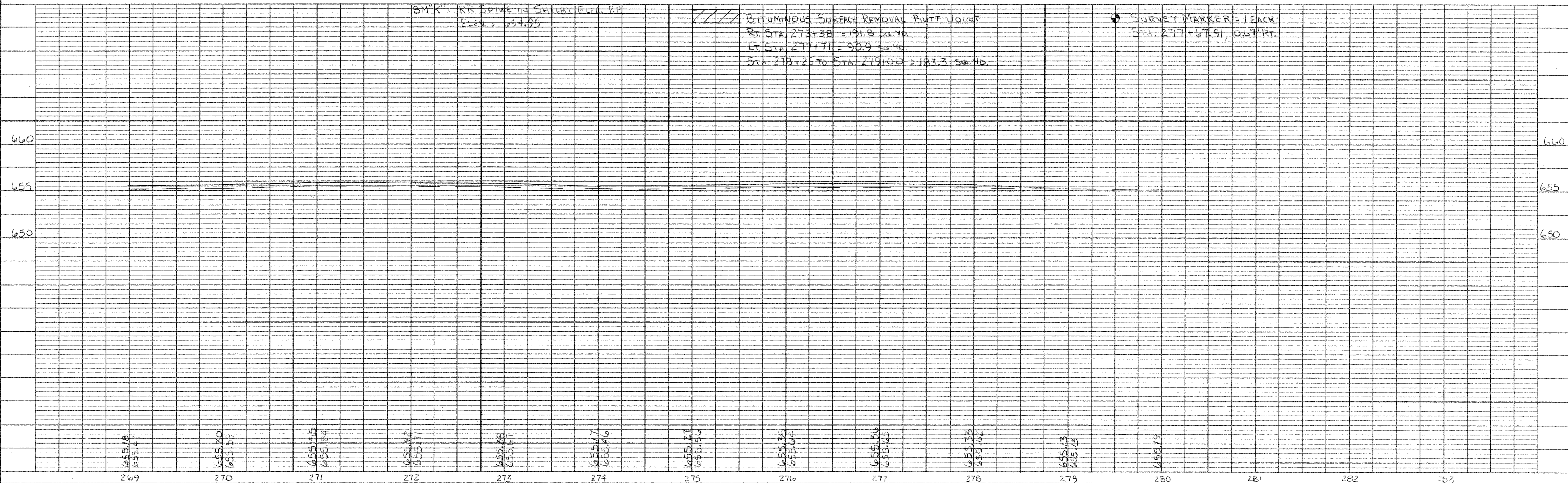




BM "K": RR DRIVE IN SHEBY FLD. P.P.
 ELEV. = 654.85

////// BITUMINOUS SURFACE REMOVAL BUTT JOINT
 RT STA 273+38 = 191.8 SQ YD
 LT STA 277+71 = 90.9 SQ YD
 STA 273+25 TO STA 279+00 = 183.3 SQ YD

● SURVEY MARKER = LEACH
 STA. 277+67.91, 0.67 RT.

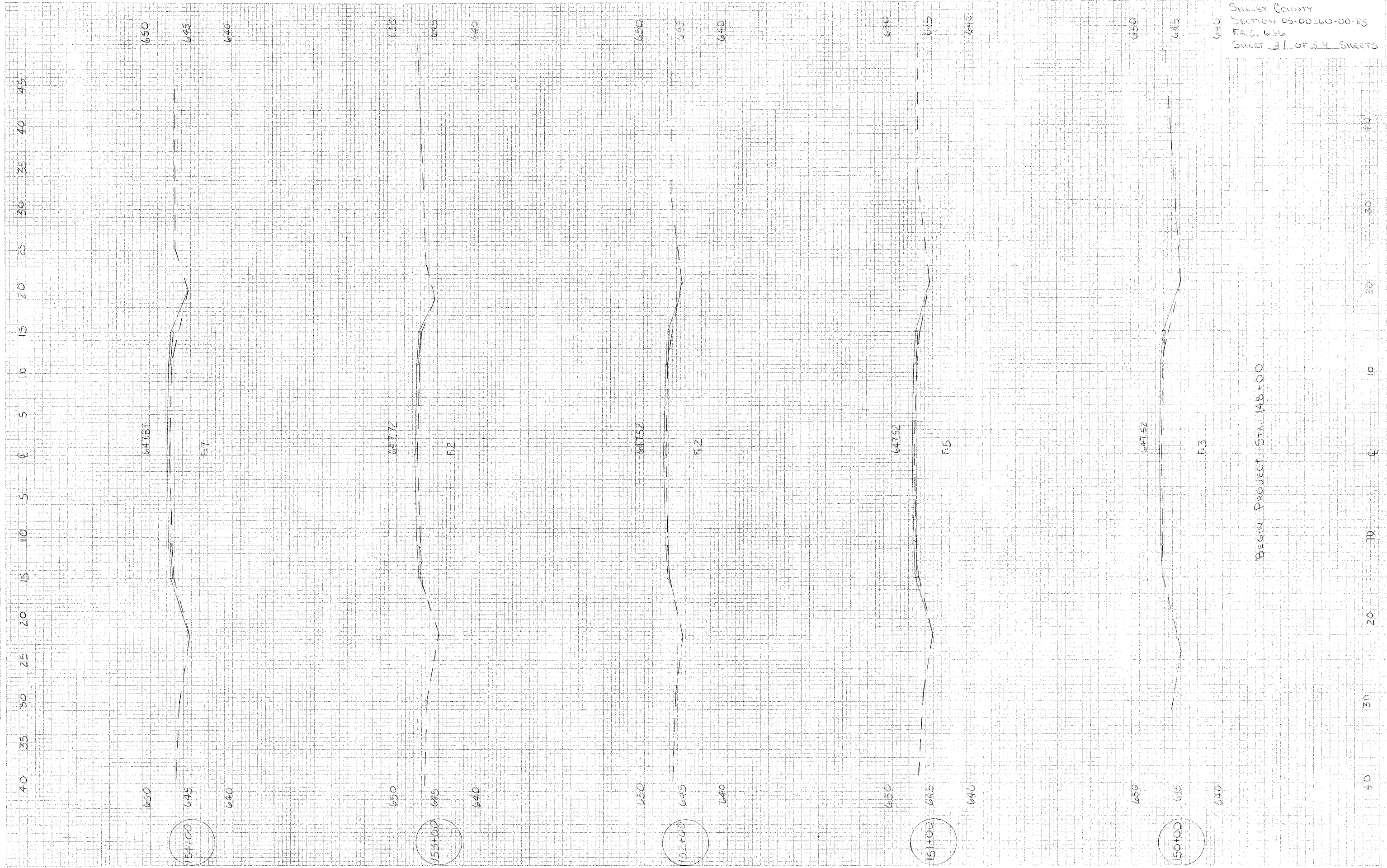


PLAN
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 PLOTTED BY: _____
 CHECKED BY: _____
 NOTE BOOK No. _____
 DATE OF WAY CHECK: _____

PROFILE
 SURVEYED BY: _____ DATE: _____
 PLOTTED BY: _____
 CHECKED BY: _____
 NOTE BOOK No. _____
 DATE OF WAY CHECK: _____
 STRUCTURE INSTANTIONS CHECKED: _____

ORIGINAL SURVEY
DATE: 05-00-260-00-RS
SHEET 31 OF 59 SHEETS

ORIGINAL SURVEY
DATE: 05-00-260-00-RS
SHEET 31 OF 59 SHEETS



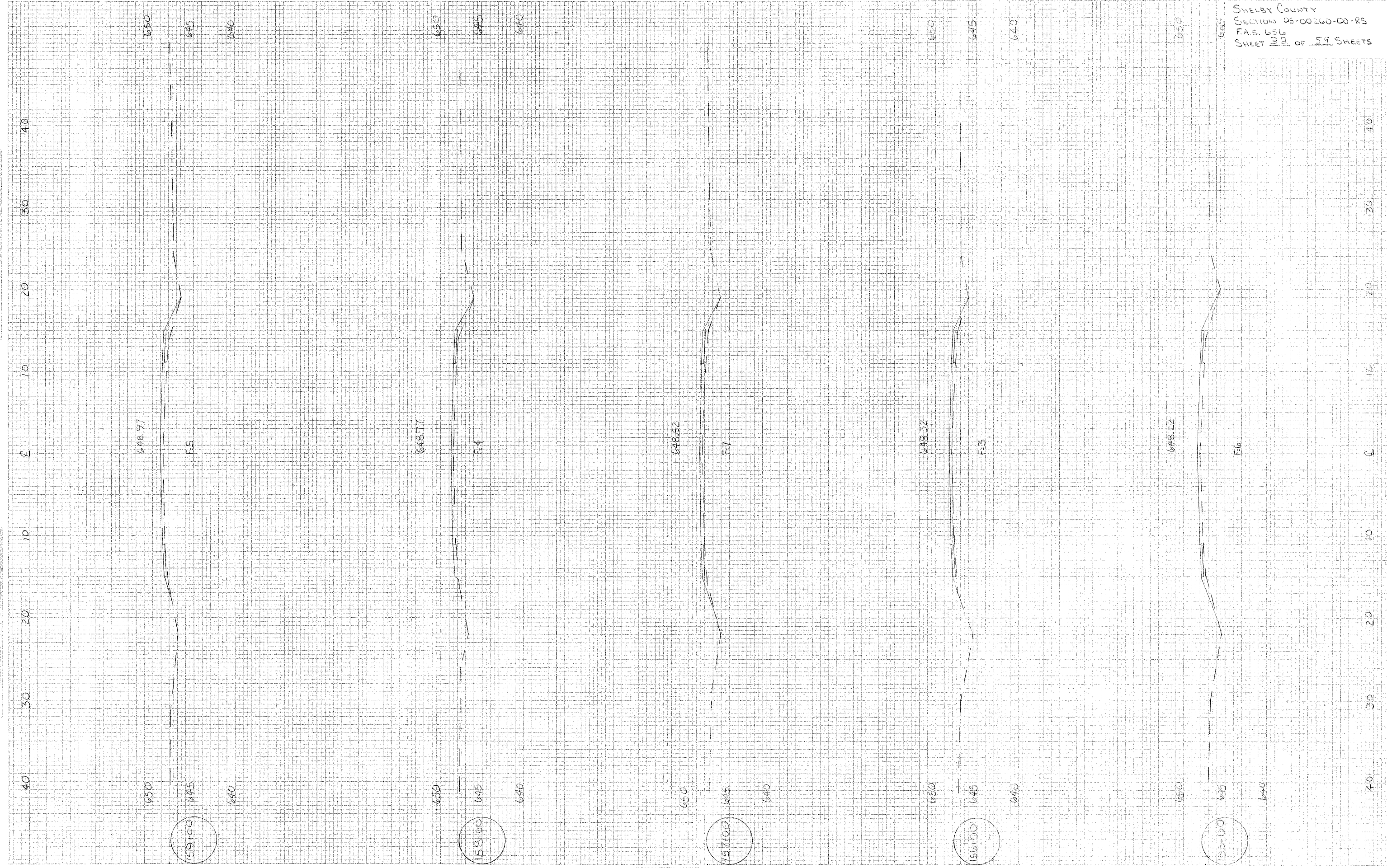
CONTRACT NO. 75472
SHELBY COUNTY
SECTION 05-00-260-00-RS
FRS. 636
SHEET 31 OF 59 SHEETS

BEGIN PROJECT STA. 148+00

PLATT & WALKER ENGINEERS
1000 W. WALKER AVENUE
MEMPHIS, TENNESSEE 38103

PROFESSIONAL SURVEYING
STATE OF MISSISSIPPI
MAY 1980
MAY 1980
MAY 1980

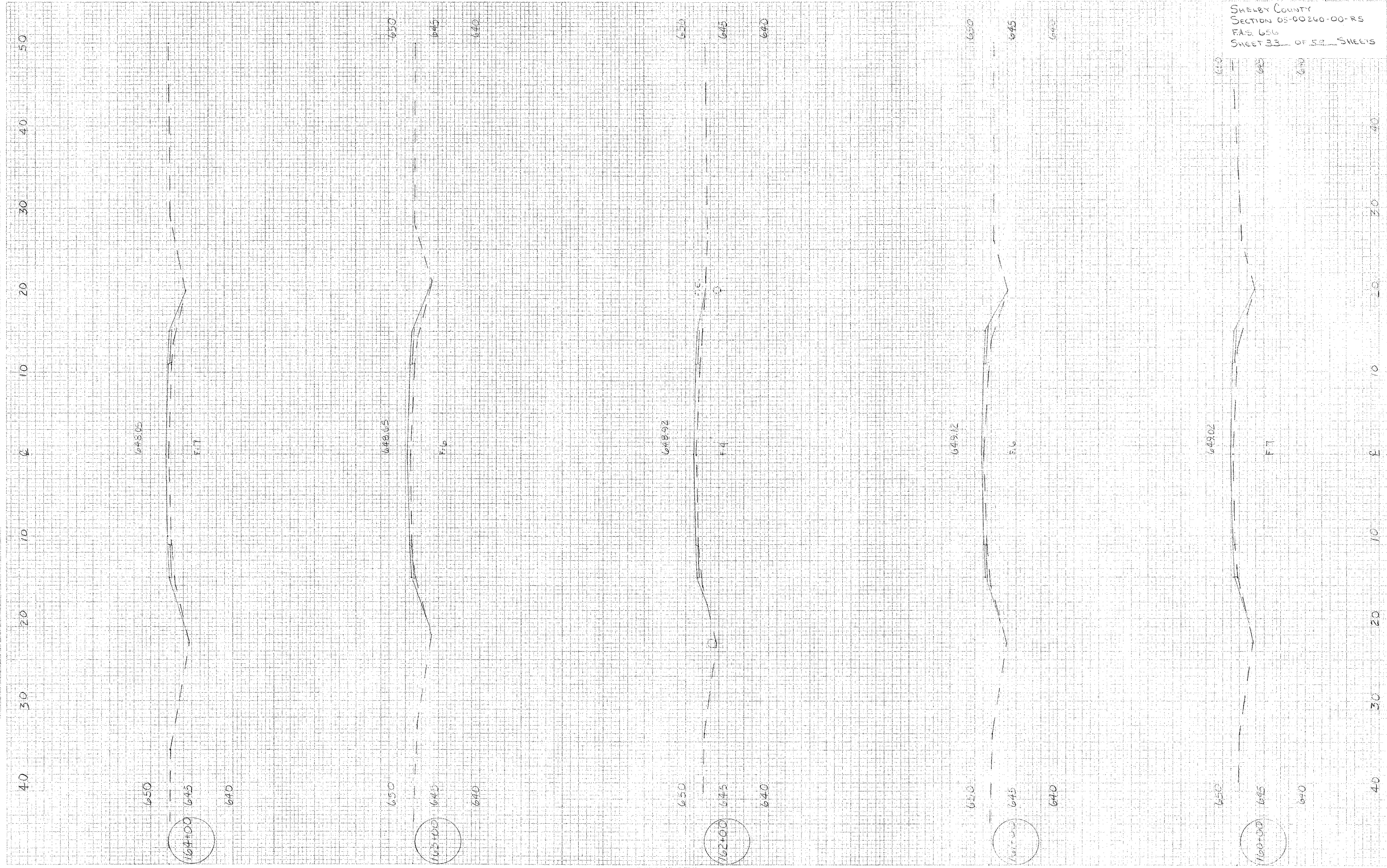
PROFESSIONAL SURVEYING
STATE OF MISSISSIPPI
MAY 1980
MAY 1980
MAY 1980



CONTRACT NO. 75422
SHELBY COUNTY
SECTION 05-00260-00-RS
FAS. 656
SHEET 22 OF 59 SHEETS

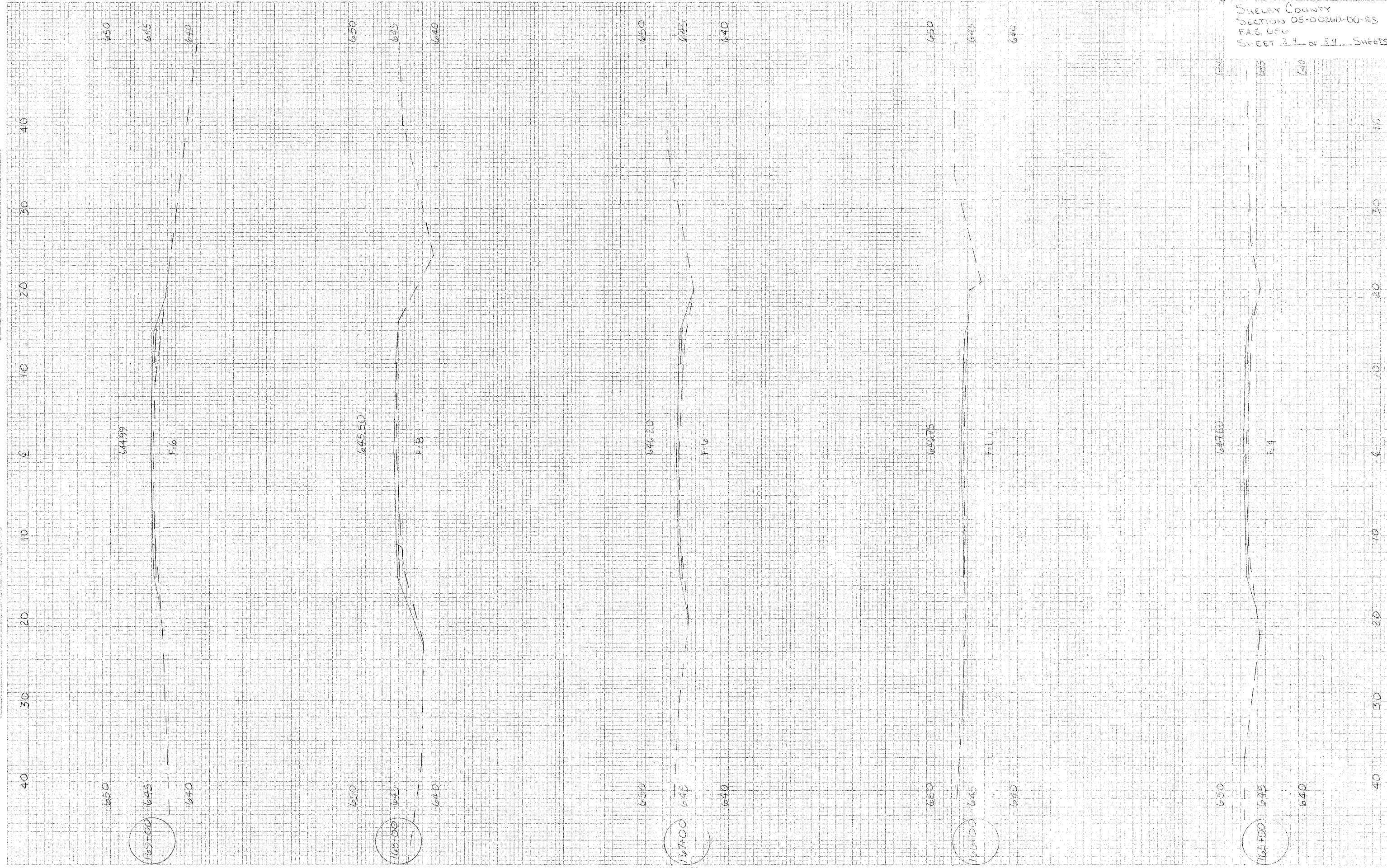
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SURVEY	SECTION 05-00260-00-RS
DATE	10/1/00
BY	...
CHECKED	...
DATE	...

CONTRACT	NO. 95411
SURVEY	SECTION 05-00260-00-RS
DATE	10/1/00
BY	...
CHECKED	...
DATE	...



FINAL SURVEY
 DATE: 10/15/03
 BY: J. W. HARRIS
 CHECKED BY: J. W. HARRIS
 APPROVED BY: J. W. HARRIS

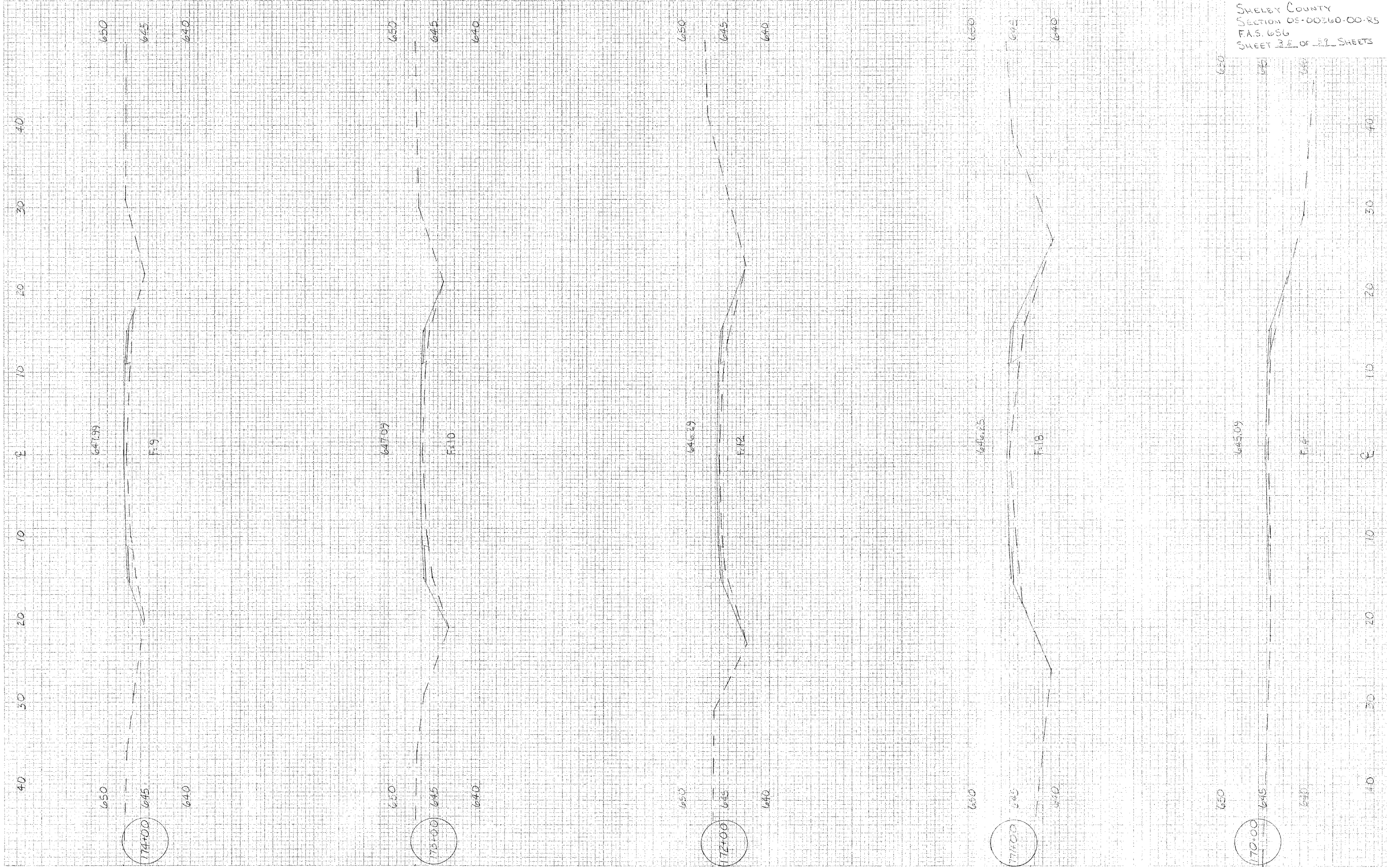
FINAL SURVEY
 DATE: 10/15/03
 BY: J. W. HARRIS
 CHECKED BY: J. W. HARRIS
 APPROVED BY: J. W. HARRIS



CONTRACT NO. 45472
 SHELBY COUNTY
 SECTION 05-00260-00-R5
 F.A.S. 656
 SHEET 22 OF 22 SHEETS

DATE: _____
 DRAWN BY: _____
 CHECKED BY: _____
 PROJECT: _____
 SHEET NO.: _____
 TOTAL SHEETS: _____

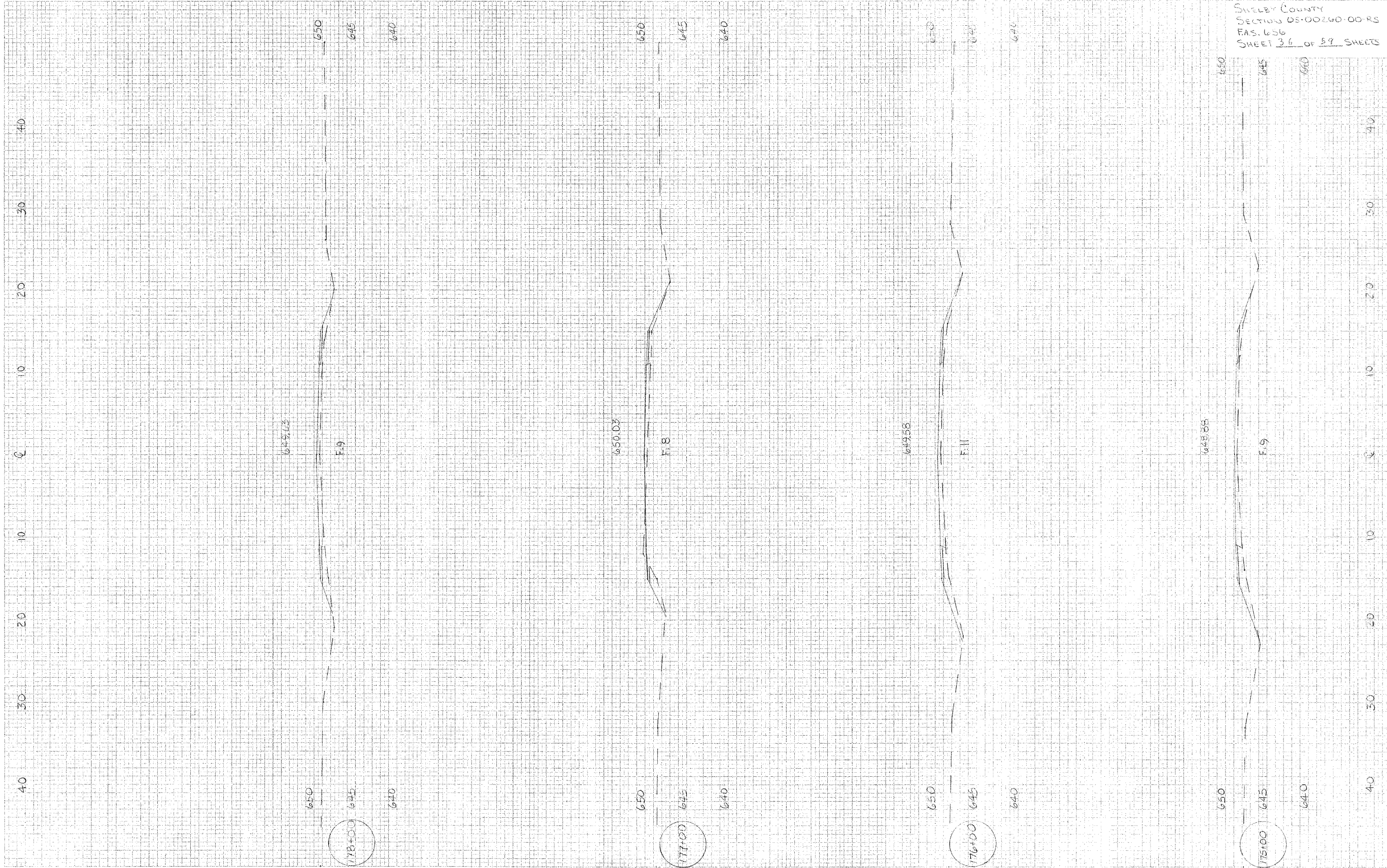
DATE: _____
 DRAWN BY: _____
 CHECKED BY: _____
 PROJECT: _____
 SHEET NO.: _____
 TOTAL SHEETS: _____



FOR USE IN:
 SURVEY
 COUNTY
 DATE
 SHEET NO.

FOR USE IN:
 SURVEY
 COUNTY
 DATE
 SHEET NO.

CONTRACT NO. 9549K
 SHELBY COUNTY
 SECTION 05-00260-00-RS
 FAS. 656
 SHEET 36 OF 59 SHEETS



PERMITS
 SURVEY
 COUNTY OF BRADLEY, MISSISSIPPI
 DATE: 11/15/2011

CONTRACT NO.
 SURVEY
 COUNTY OF BRADLEY, MISSISSIPPI
 DATE: 11/15/2011



PROJECT	ROADWAY IMPROVEMENT
SURVEY	STATIONING
DATE	05/20/00
BY	J. R. [unreadable]
CHECKED	[unreadable]

COMPILED	[unreadable]
DRAWN	[unreadable]
CHECKED	[unreadable]
DATE	05/20/00
BY	[unreadable]
CHECKED	[unreadable]

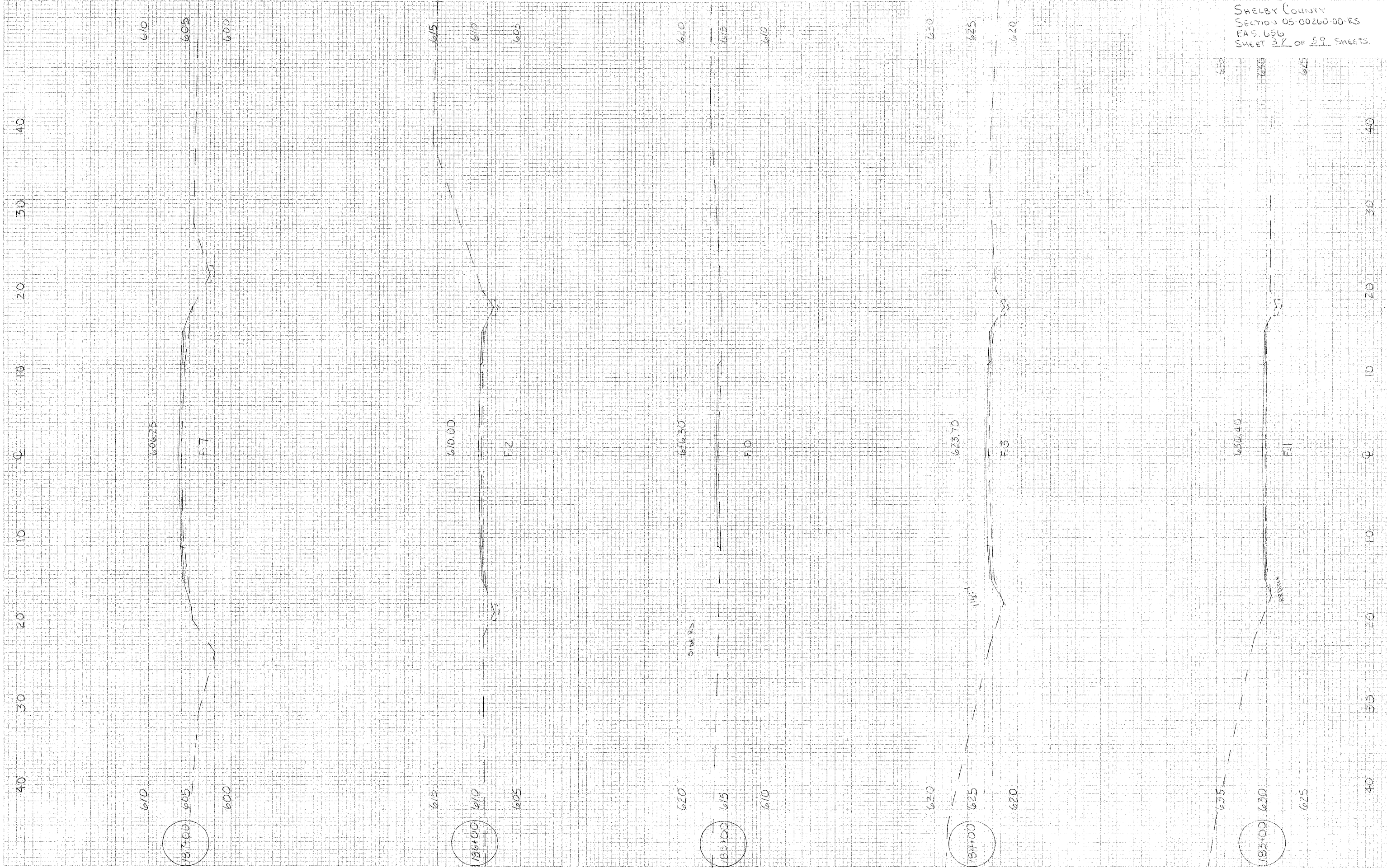
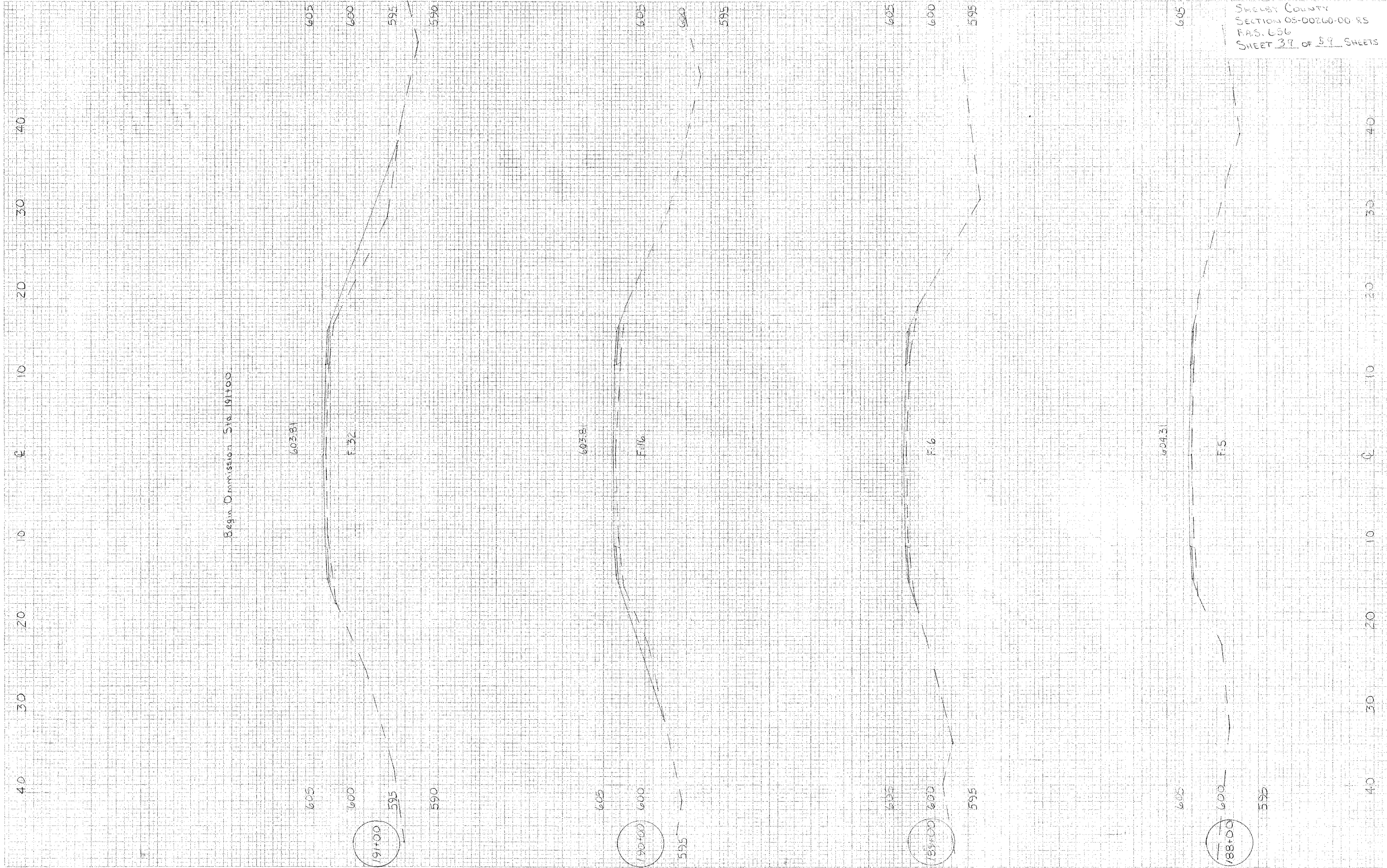


PLATE 9-14-16 TO 16-18 IN THE RAINFALL RECORDS FOR THE YEAR 1900

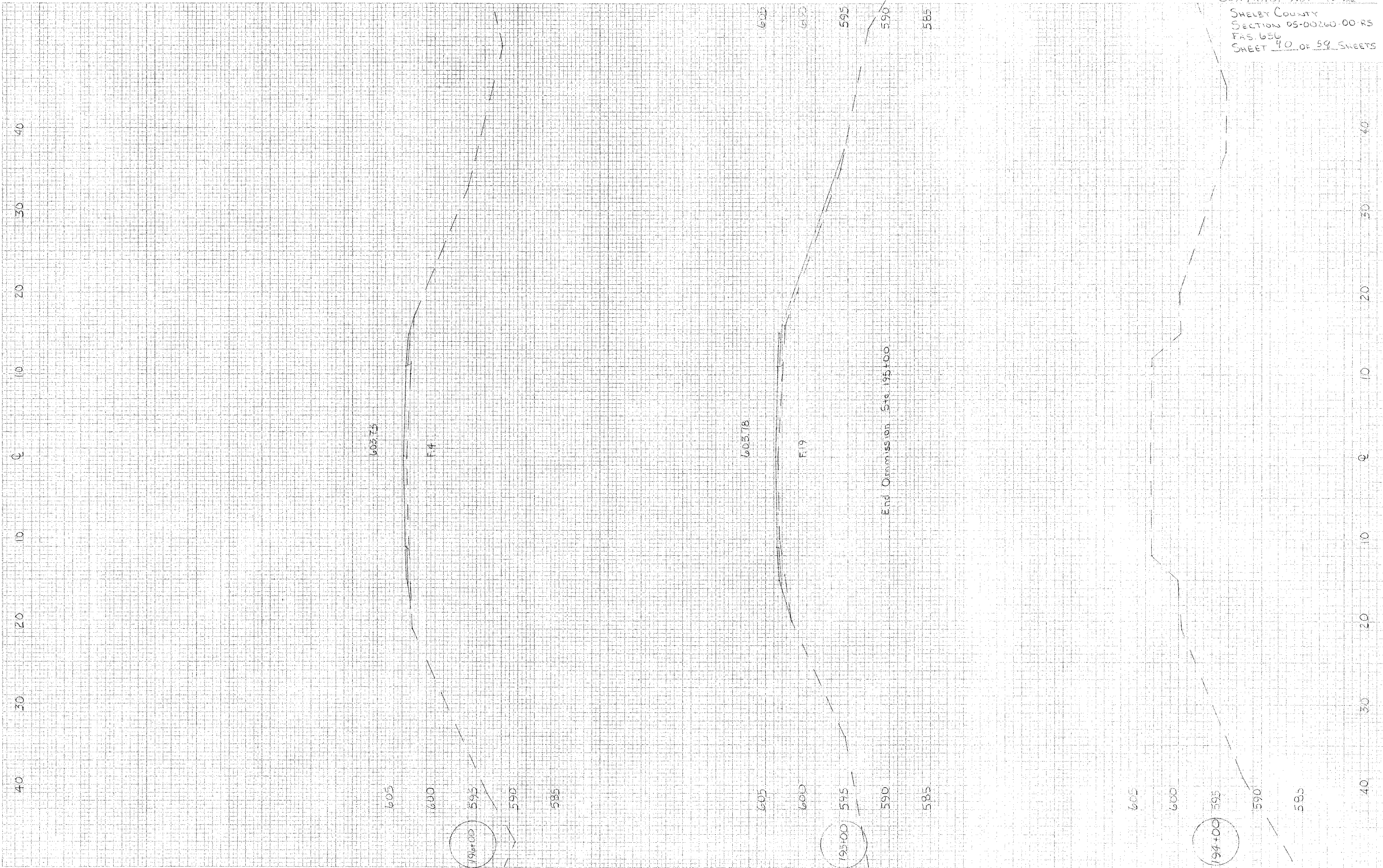
DATE	DESCRIPTION

DATE	DESCRIPTION



FEDERAL SURVEY
 PROJECT
 NOTE BOOK AREA
 DATE

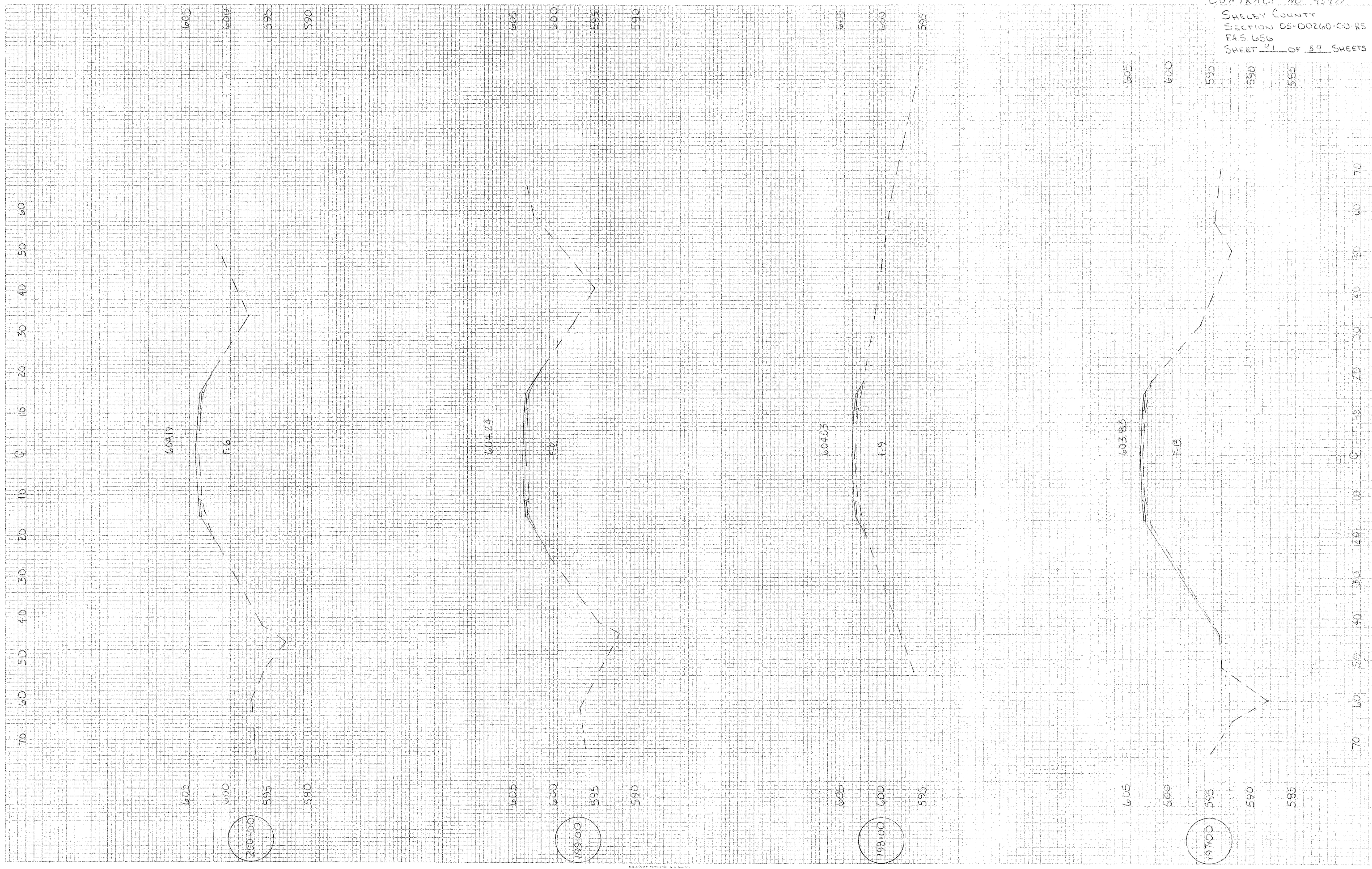
FEDERAL SURVEY
 PROJECT
 NOTE BOOK AREA
 DATE



CONTRACT No. 95422
 SHELBY COUNTY
 SECTION 05-00260-00-RS
 FAS. 656
 SHEET 40 OF 59 SHEETS

ORIGINAL SURVEY INFORMATION
 DATE SURVEYED: 1/15/19
 SURVEYOR: J. W. HARRIS, S.E.
 COUNTY: SHELBY, MISSISSIPPI

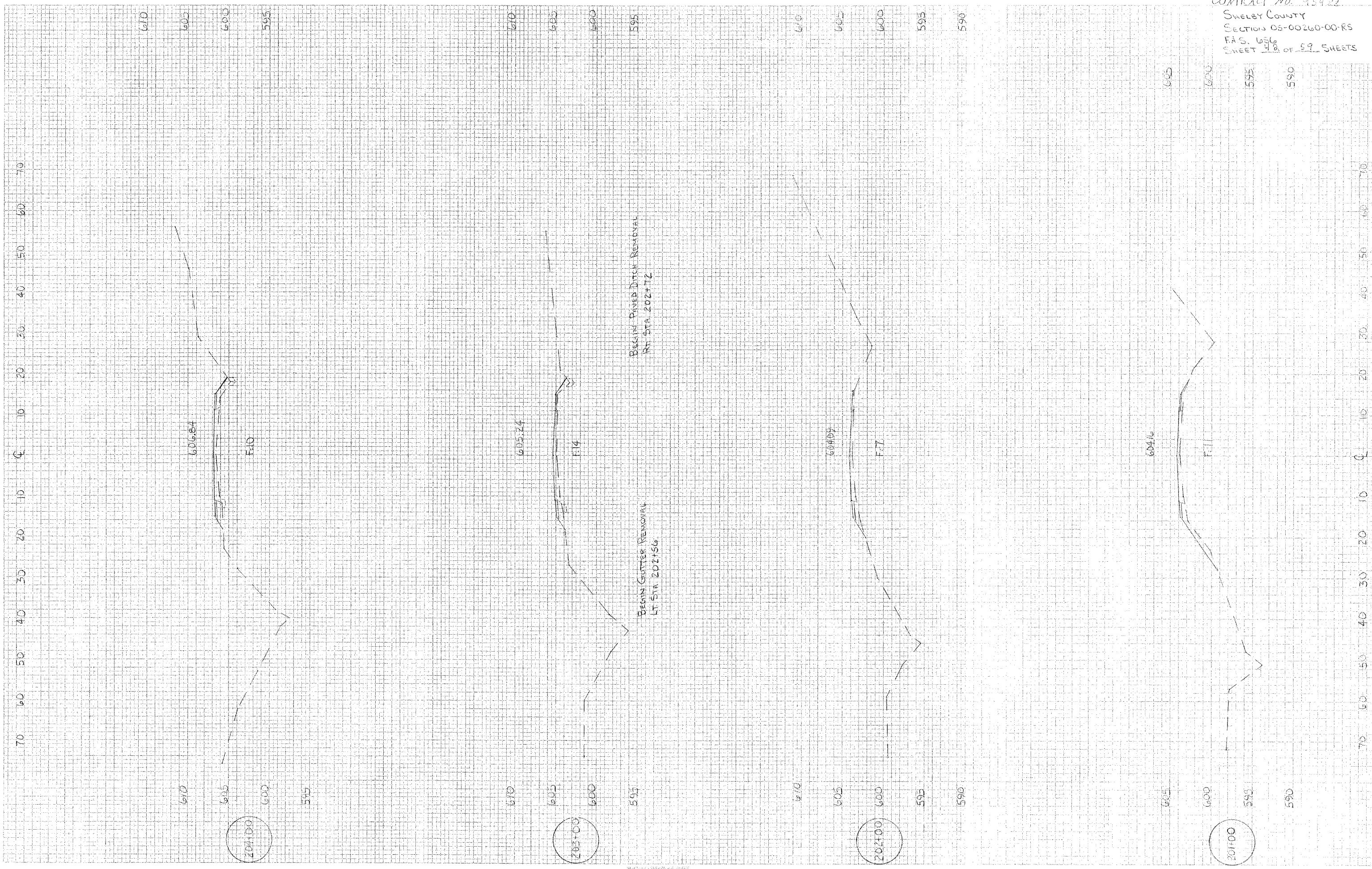
ORIGINAL SURVEY INFORMATION
 DATE SURVEYED: 1/15/19
 SURVEYOR: J. W. HARRIS, S.E.
 COUNTY: SHELBY, MISSISSIPPI

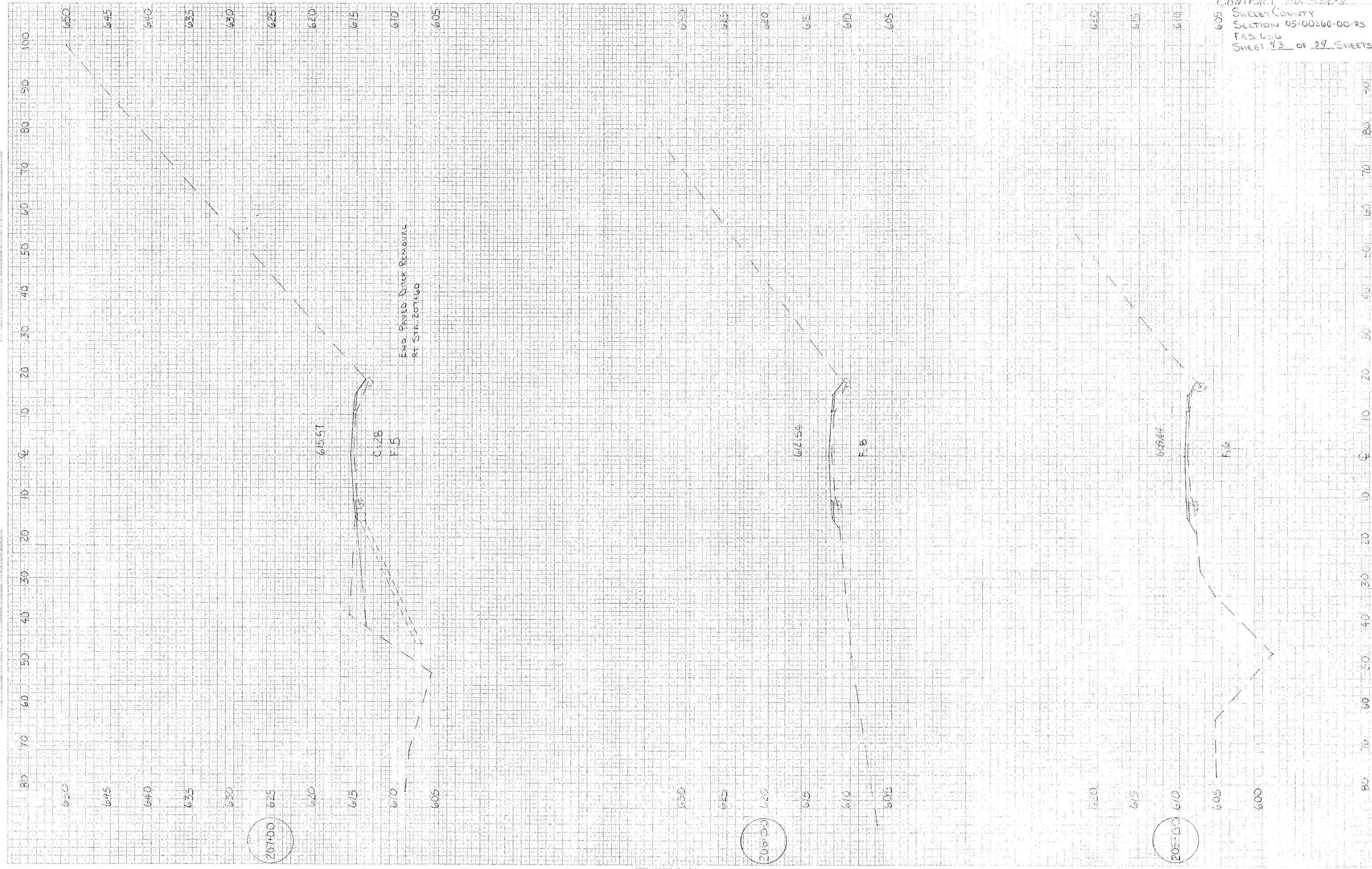


DATE: _____
 DRAWN BY: _____
 CHECKED BY: _____
 PROJECT: _____
 SHEET NO.: _____
 TOTAL SHEETS: _____
 SCALE: _____
 DATE: _____

DATE: _____
 DRAWN BY: _____
 CHECKED BY: _____
 PROJECT: _____
 SHEET NO.: _____
 TOTAL SHEETS: _____
 SCALE: _____
 DATE: _____

CONTRACT NO. 95422
 SHELBY COUNTY
 SECTION 05-00260-00-RS
 F.A.S. 656
 SHEET 4 OF 59 SHEETS





CHECKS:

DATE	BY	REVISION

NO. 001

CHECKS:

DATE	BY	REVISION

NO. 001

2071.00

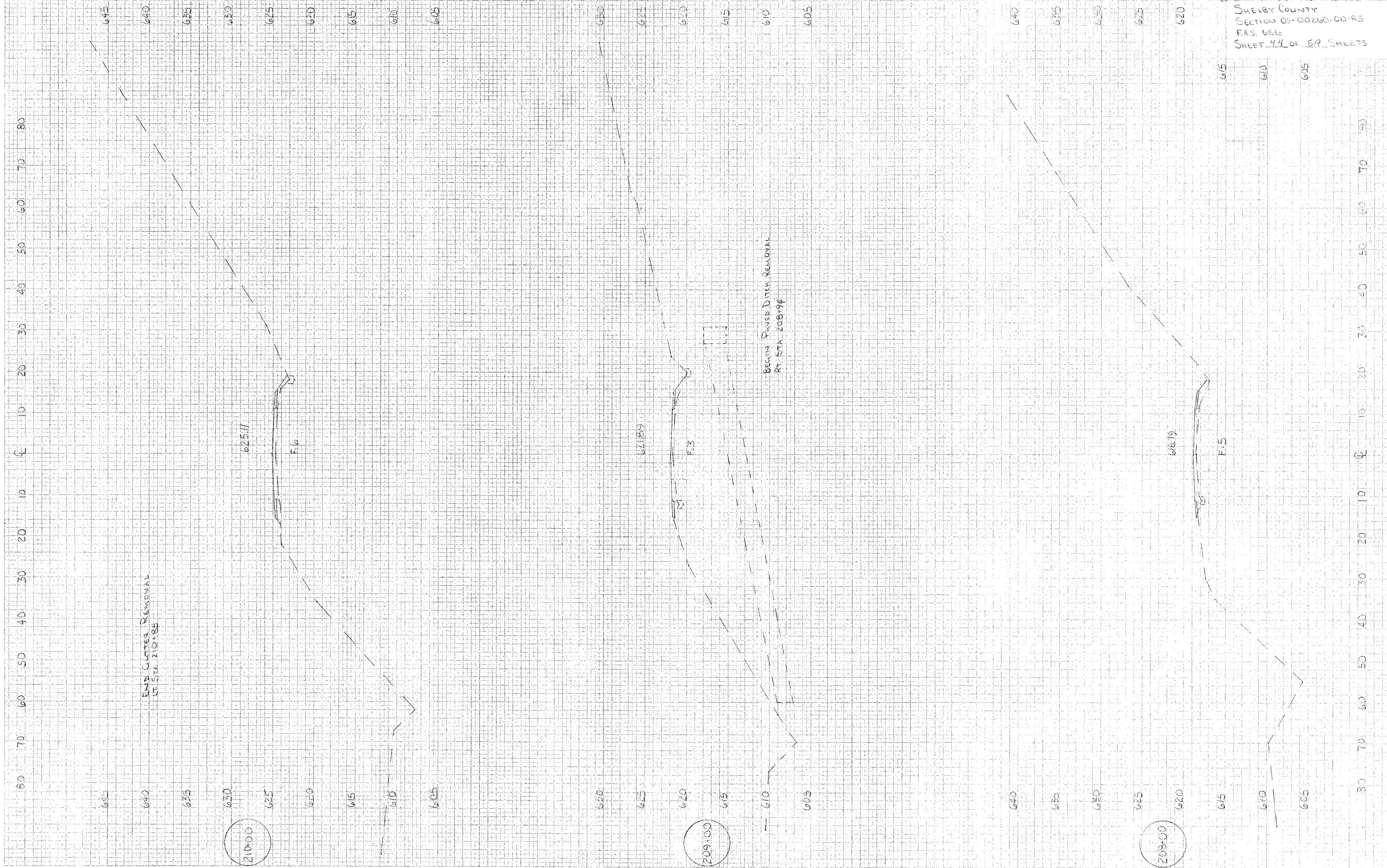
2061.00

2051.00

CONTRACT NO. 95482
 SHELBY COUNTY
 SECTION 05-00260-00-RS
 FAS. 6516
 SHEET 44 OF 89 SHEETS

ORIGINAL SURVEY
 DATE: _____
 DRAWN BY: _____
 CHECKED BY: _____
 DATE: _____

ORIGINAL SURVEY
 DATE: _____
 DRAWN BY: _____
 CHECKED BY: _____
 DATE: _____



210+00

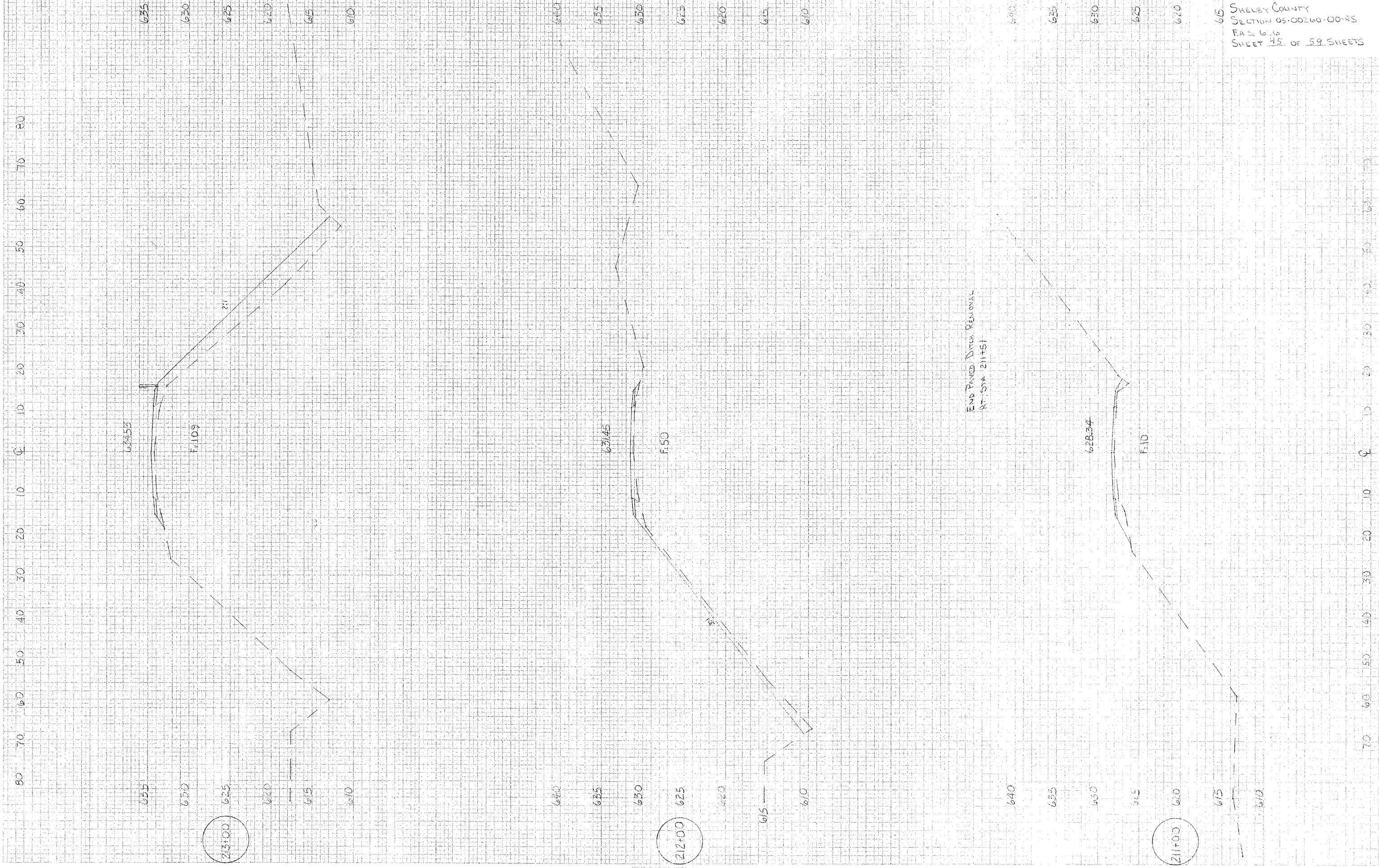
209+00

208+00

PROJECT: BRIDGE
 SURVEY: BRIDGE
 DATE: 05-00-00-RS
 SHEET: 19 OF 59 SHEETS

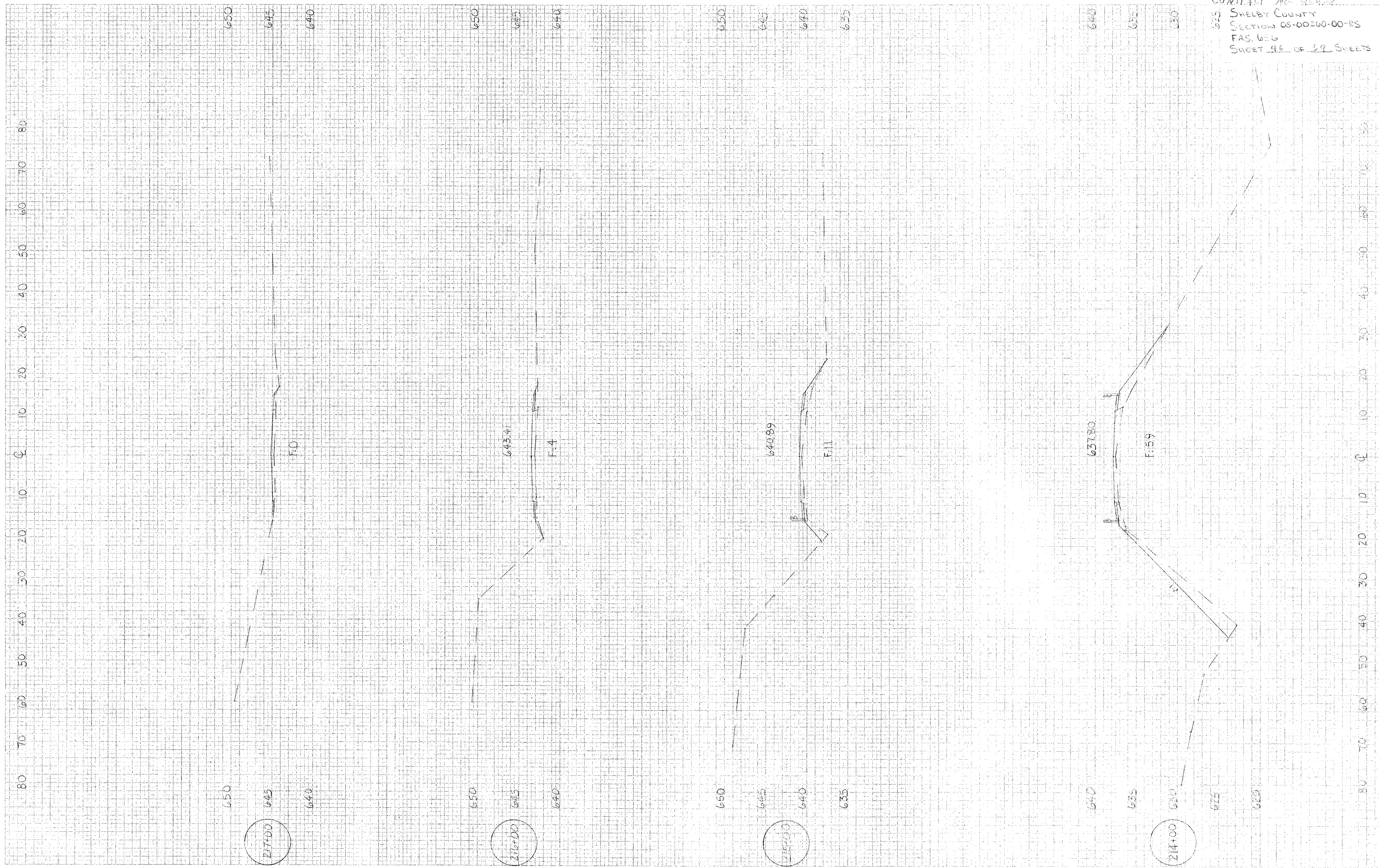
PROJECT: BRIDGE
 SURVEY: BRIDGE
 DATE: 05-00-00-RS
 SHEET: 19 OF 59 SHEETS

CONTRACT NO. 95488
 SHELBY COUNTY
 SECTION 05-00260-00-RS
 PAGE 6.10
 SHEET 19 OF 59 SHEETS



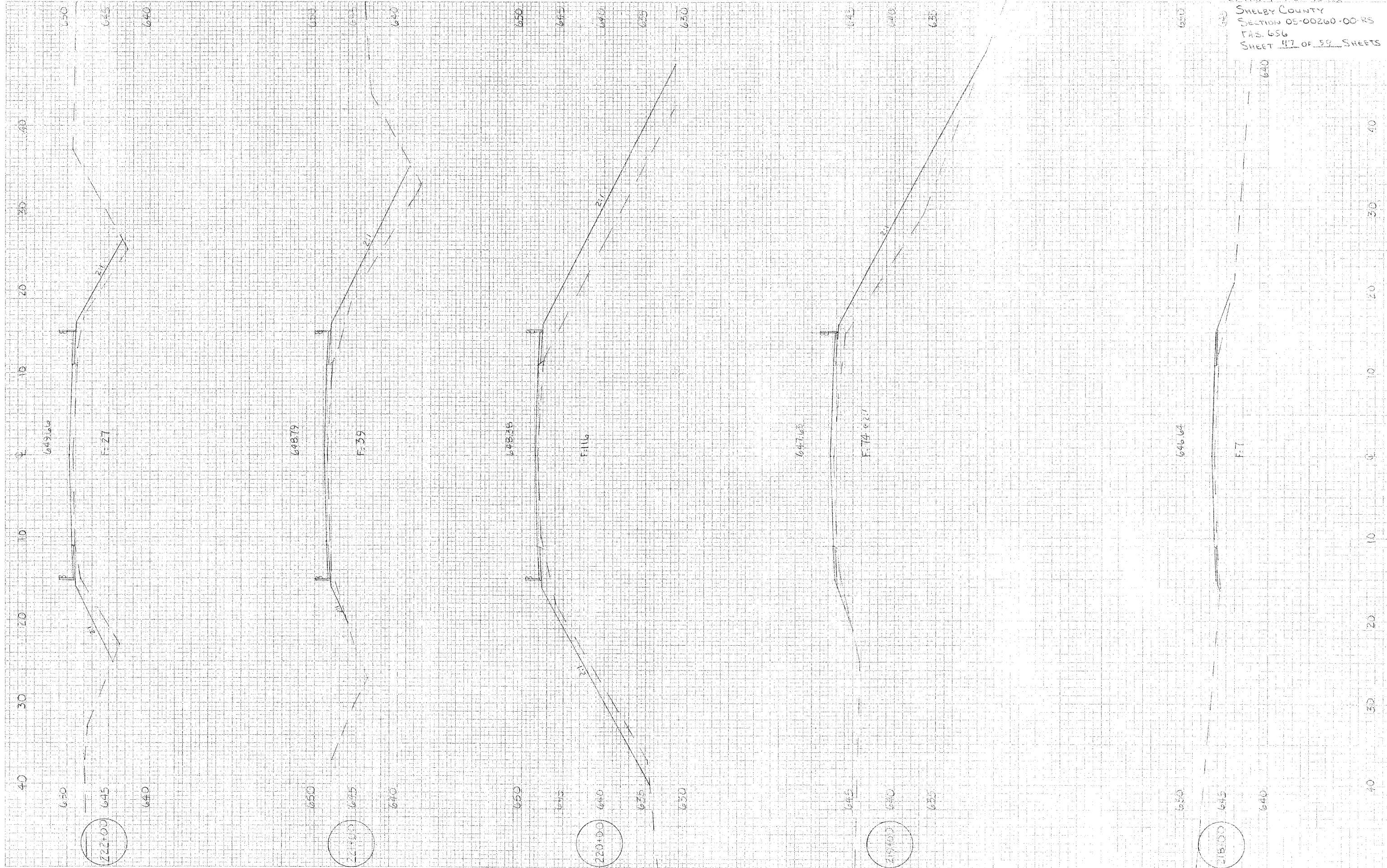
FINAL SURVEY REPORT
 PROJECT NO. 95472
 SHEET 46 OF 59 SHEETS

CONTRACT NO. 95472
 SHELBY COUNTY
 SECTION 05-00260-00-RS
 FAS. 656
 SHEET 46 OF 59 SHEETS



ORIGINAL SURVEY
 DATE: 5/10/12
 SURVEY: 1000000000
 NAME BOOK: 1000000000
 NO.: 1000000000

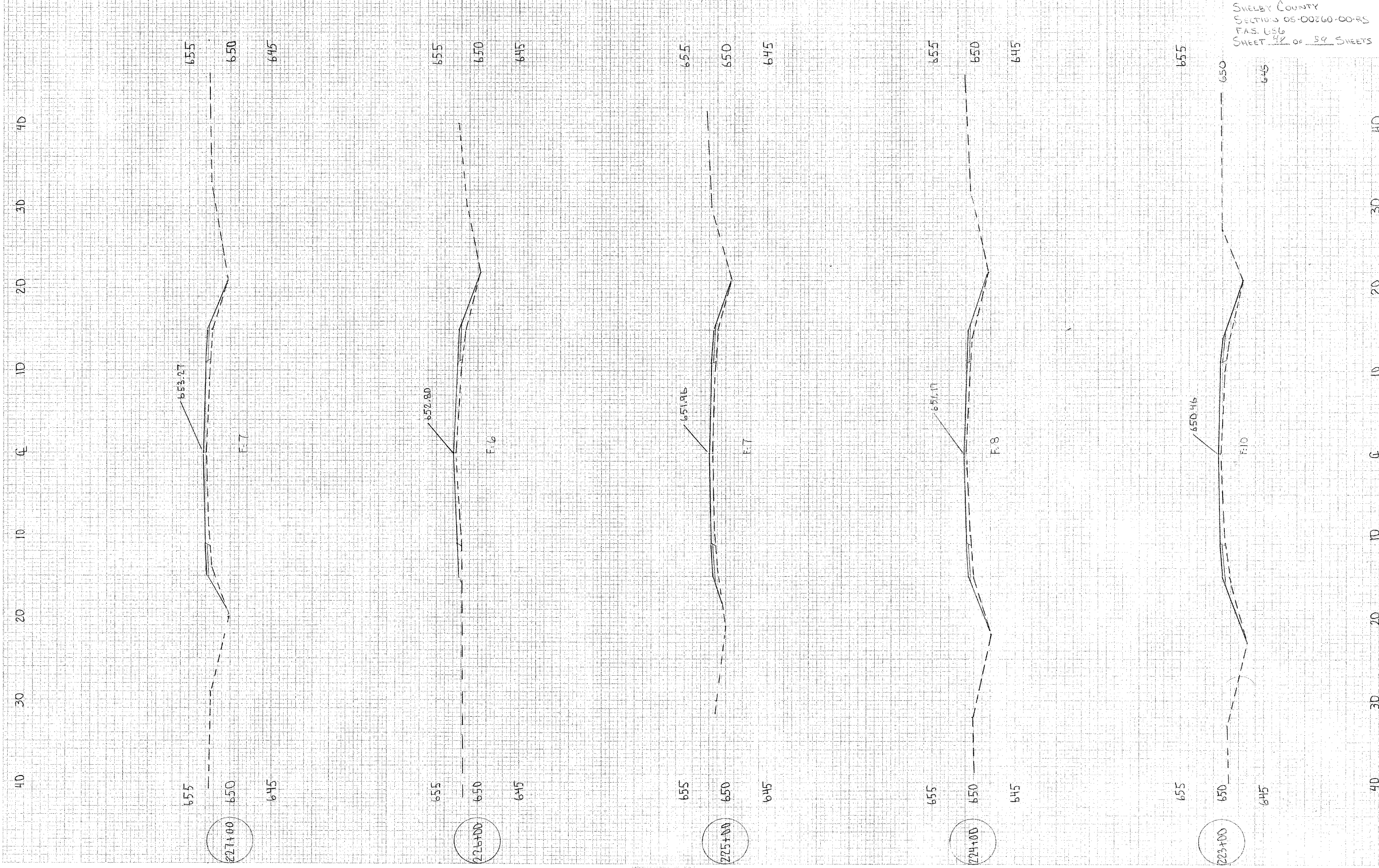
ORIGINAL SURVEY
 DATE: 5/10/12
 SURVEY: 1000000000
 NAME BOOK: 1000000000
 NO.: 1000000000



CONTRACT No. 95472
 SHELBY COUNTY
 SECTION 05-00260-00-RS
 FAS. 656
 SHEET 47 OF 59 SHEETS

TITLE: _____
 PROJECT: _____
 SHEET: _____
 DATE: _____
 DRAWN BY: _____
 CHECKED BY: _____
 APPROVED BY: _____

CONTRACT NO. 95428
 SHELBY COUNTY
 SECTION 05-00260-00-RS
 FAS 656
 SHEET 44 OF 59 SHEETS



DATE	PROJECT
10/27/77	SH-277
BY	DESIGNED BY
W. J. HARRIS	W. J. HARRIS
CHECKED BY	APPROVED BY
W. J. HARRIS	W. J. HARRIS

DATE	PROJECT
10/27/77	SH-277
BY	DESIGNED BY
W. J. HARRIS	W. J. HARRIS
CHECKED BY	APPROVED BY
W. J. HARRIS	W. J. HARRIS

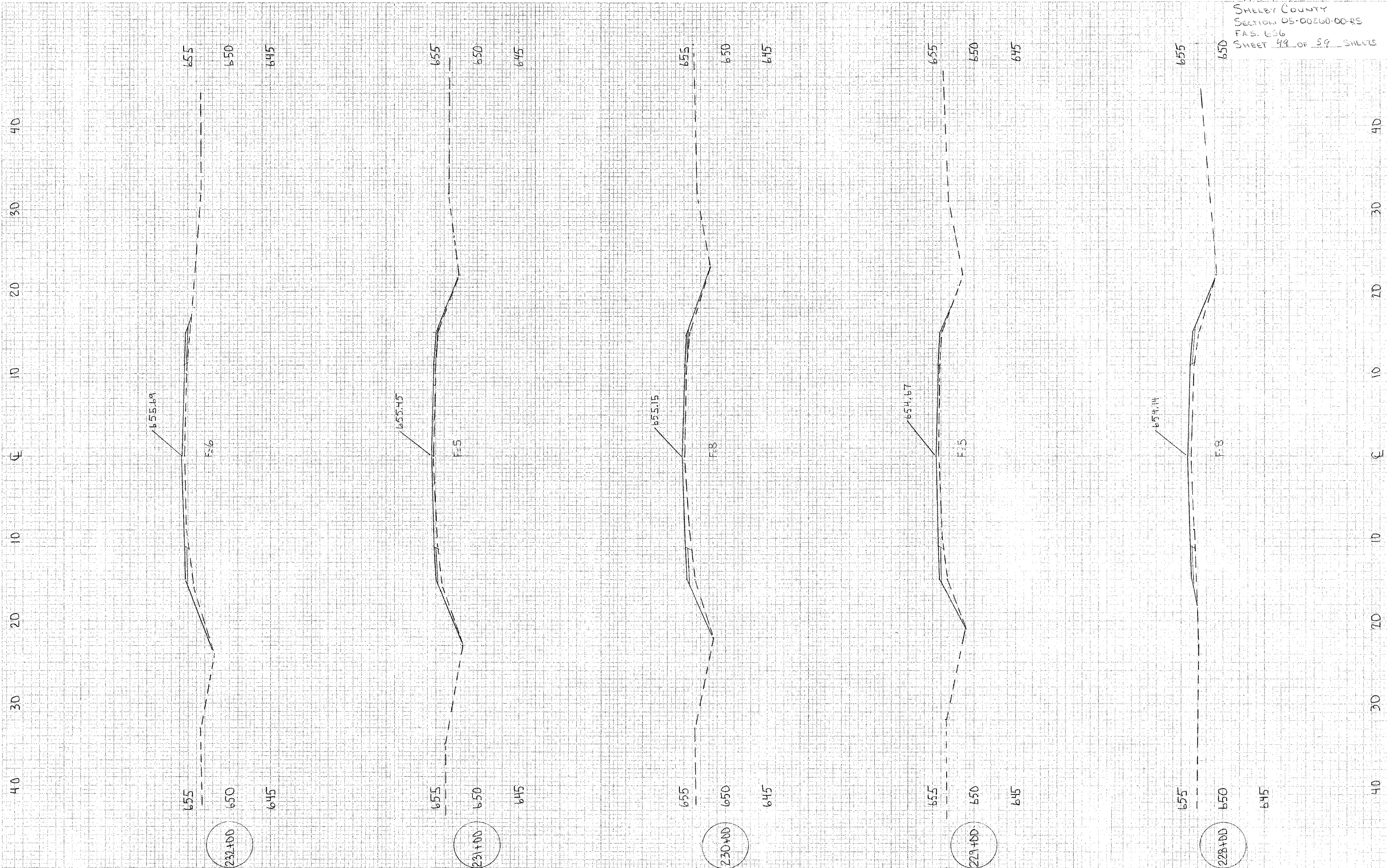
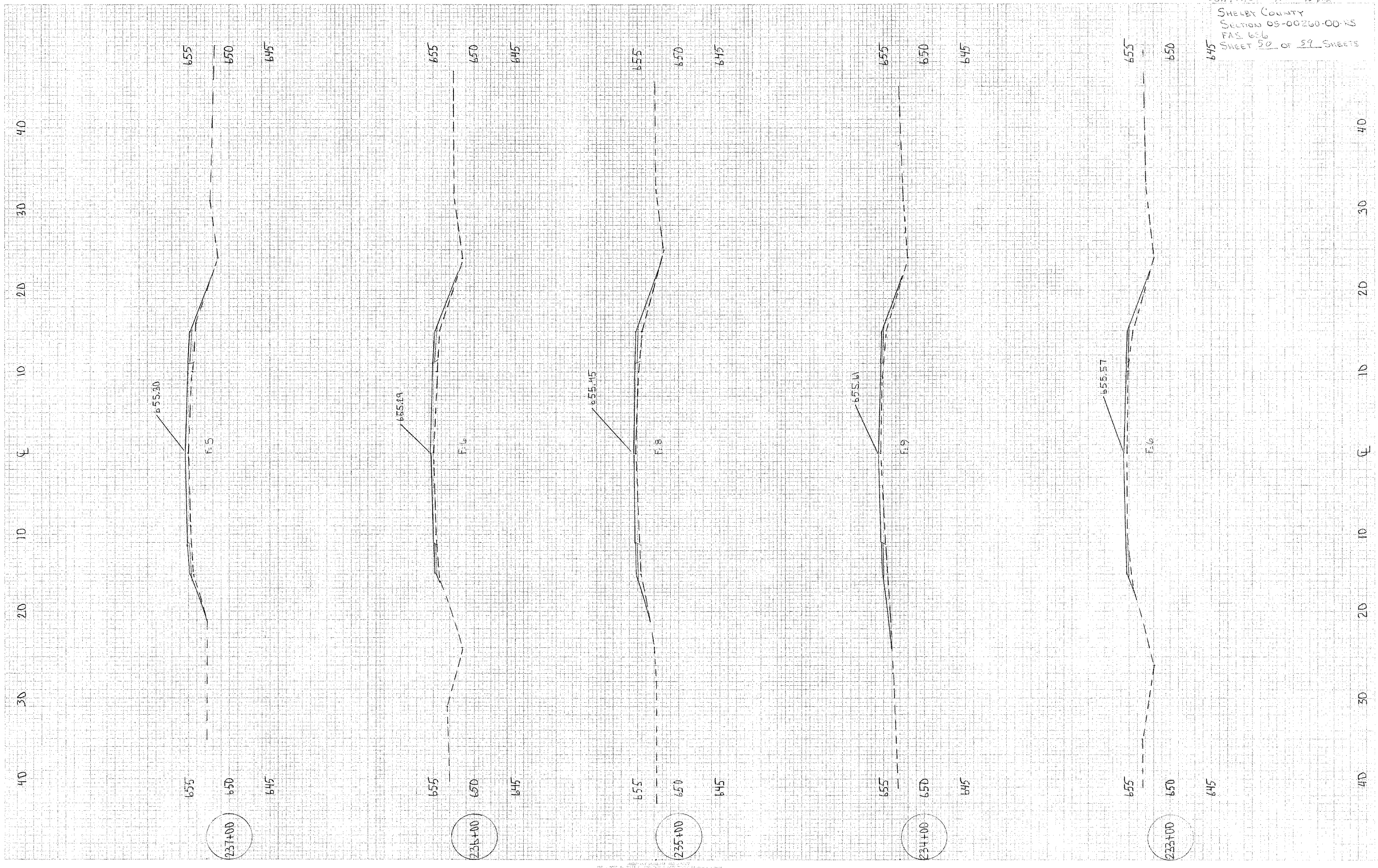


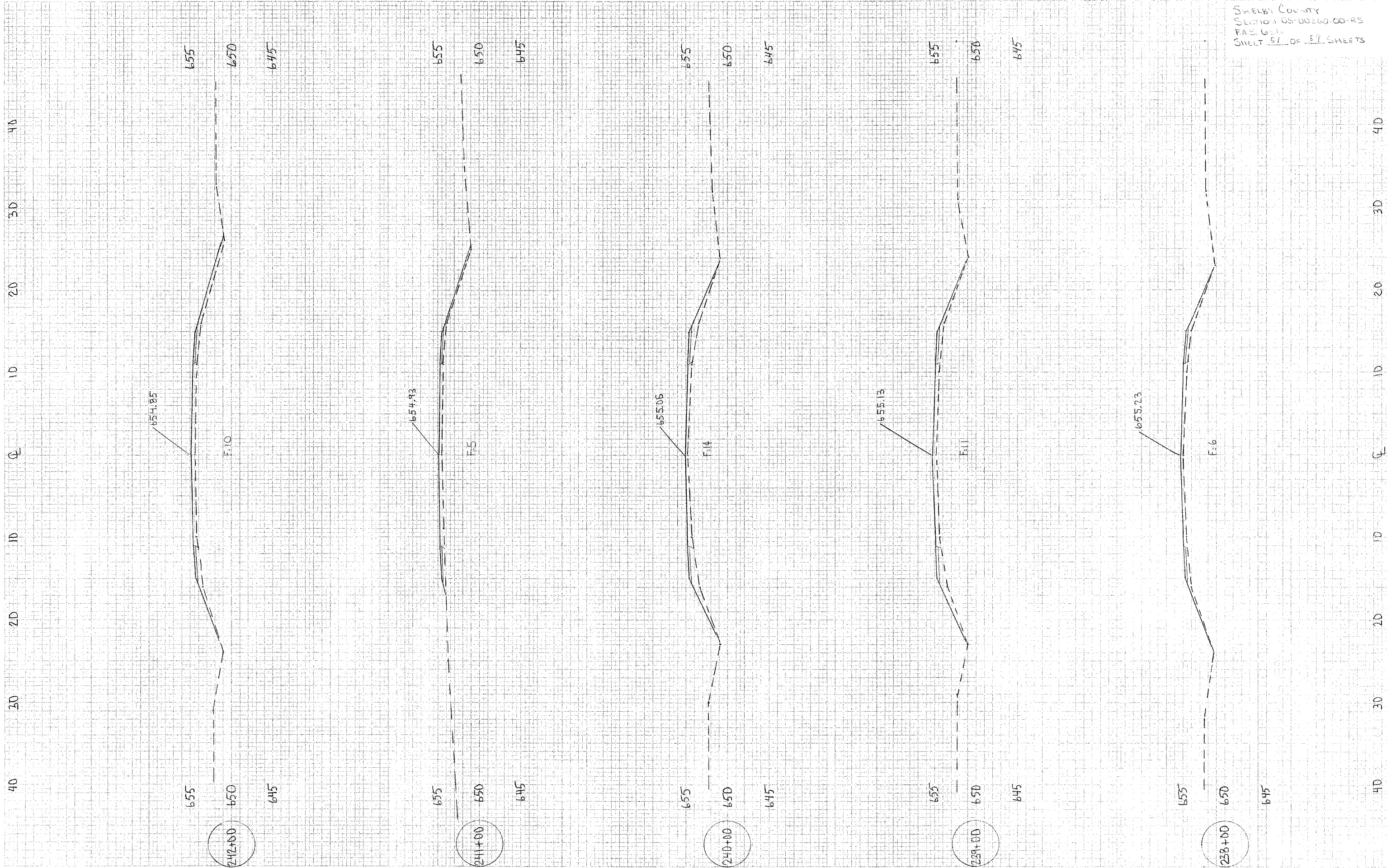
PLATE 24 FULL COURSE 3.5" ASPHALT
 PLATE 25 FULL COURSE 3.5" ASPHALT
 PLATE 26 FULL COURSE 3.5" ASPHALT

FINAL
SURVEY
DATE: 11/11/2011
BY: [Signature]

GEORGIA
SURVEY
DATE: 11/11/2011
BY: [Signature]

CONTRACT NO. 95472
SHELBY COUNTY
SECTION 05-00260-00-RS
FAS 606
SHEET 50 OF 59 SHEETS

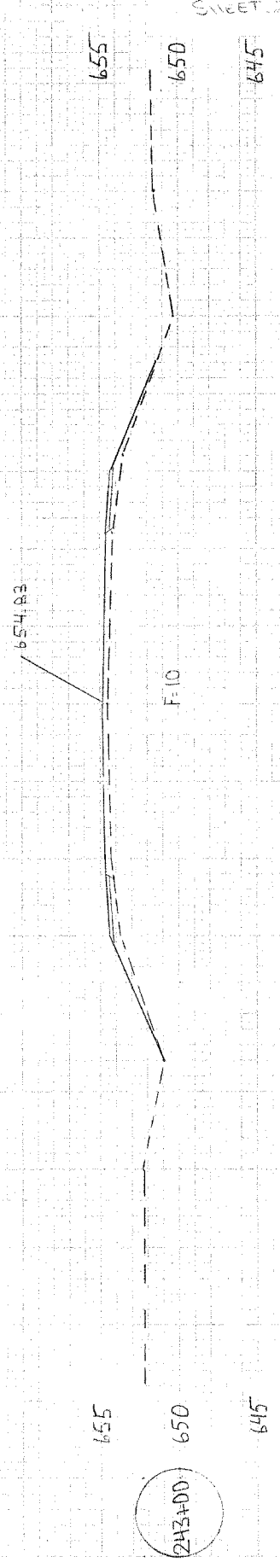
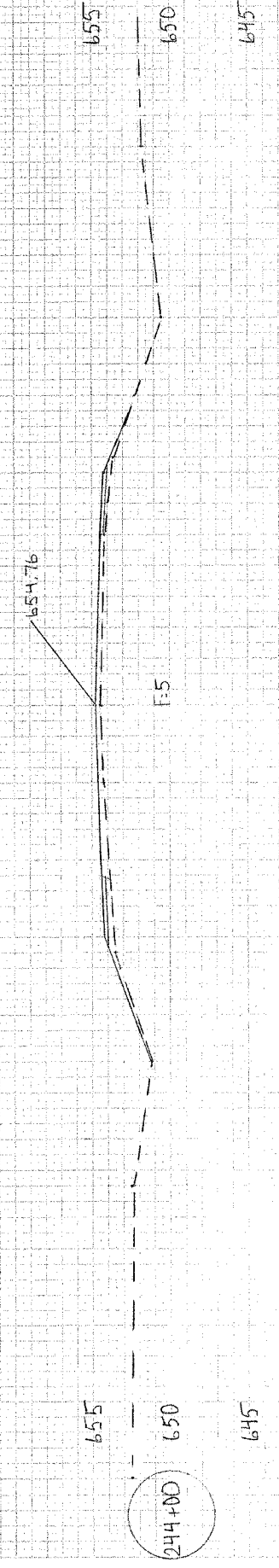
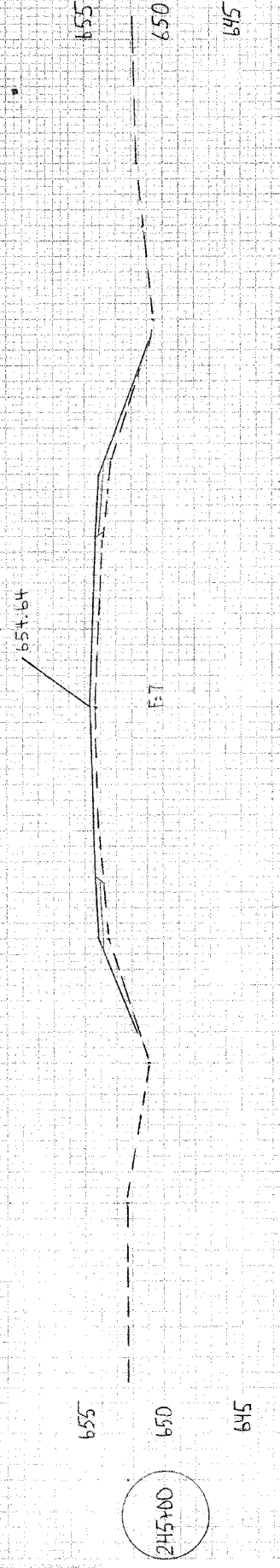
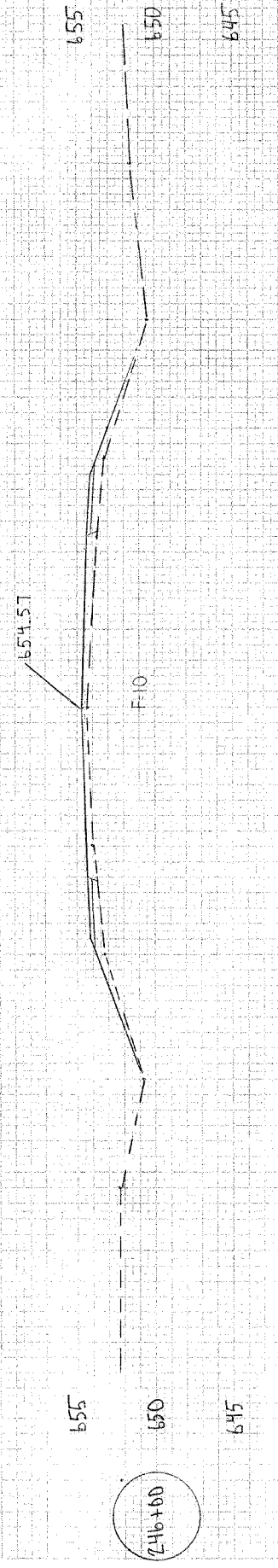
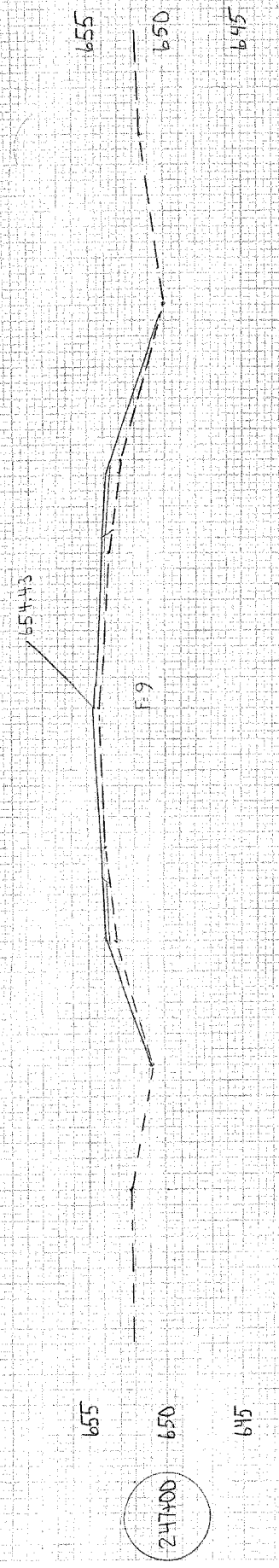




DATE: 11/11/03
 DRAWN BY: [illegible]
 CHECKED BY: [illegible]
 APPROVED BY: [illegible]

DATE: 11/11/03
 DRAWN BY: [illegible]
 CHECKED BY: [illegible]
 APPROVED BY: [illegible]

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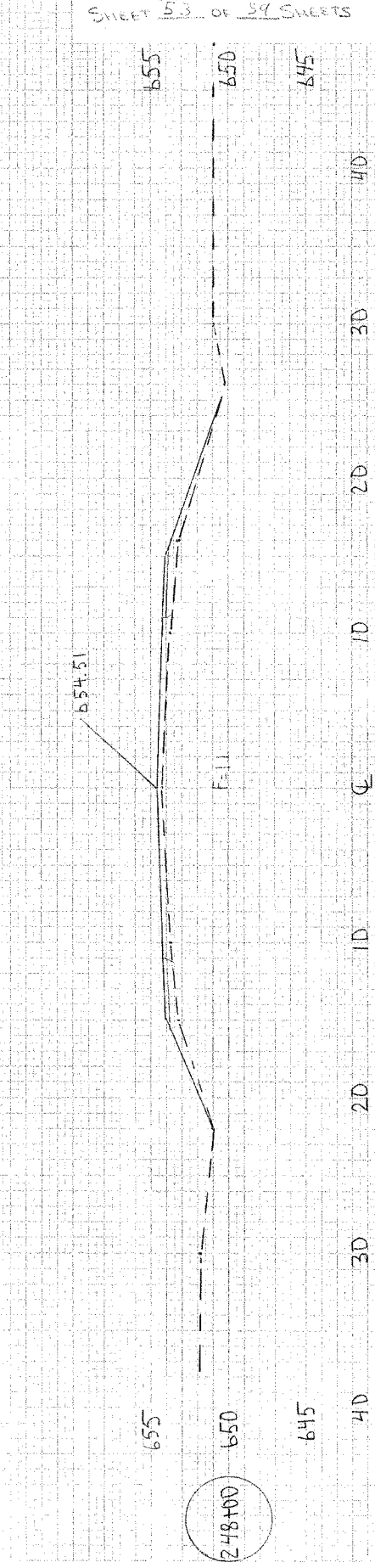
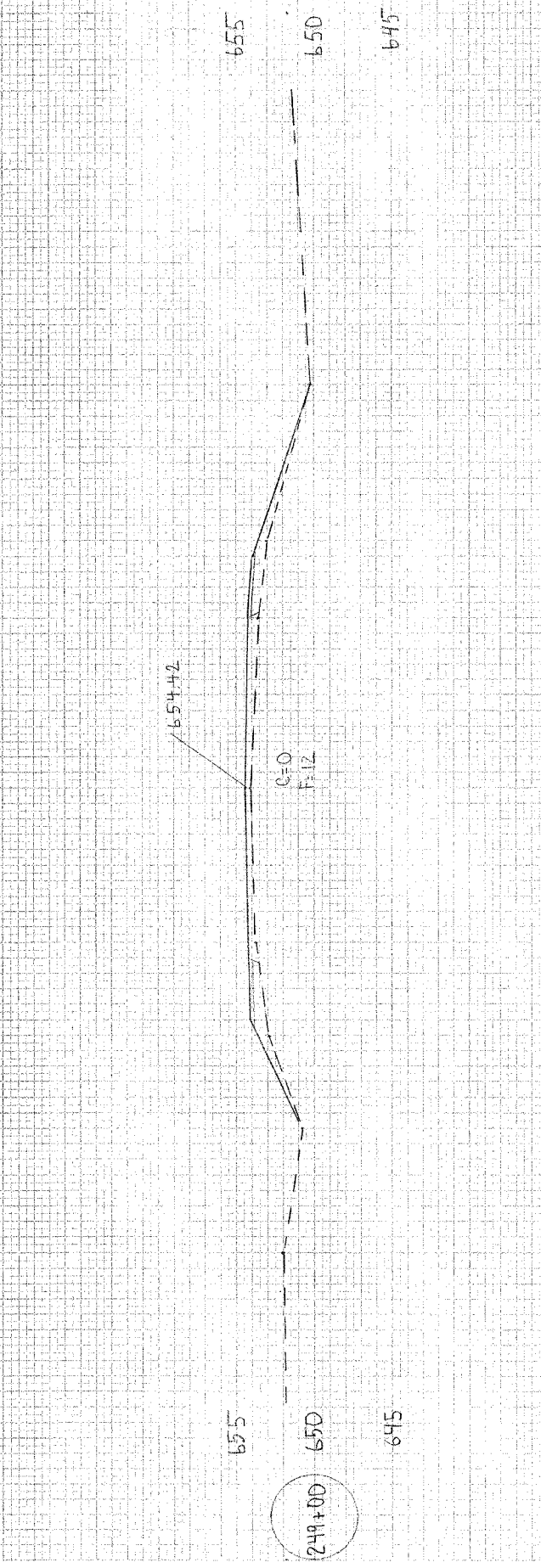
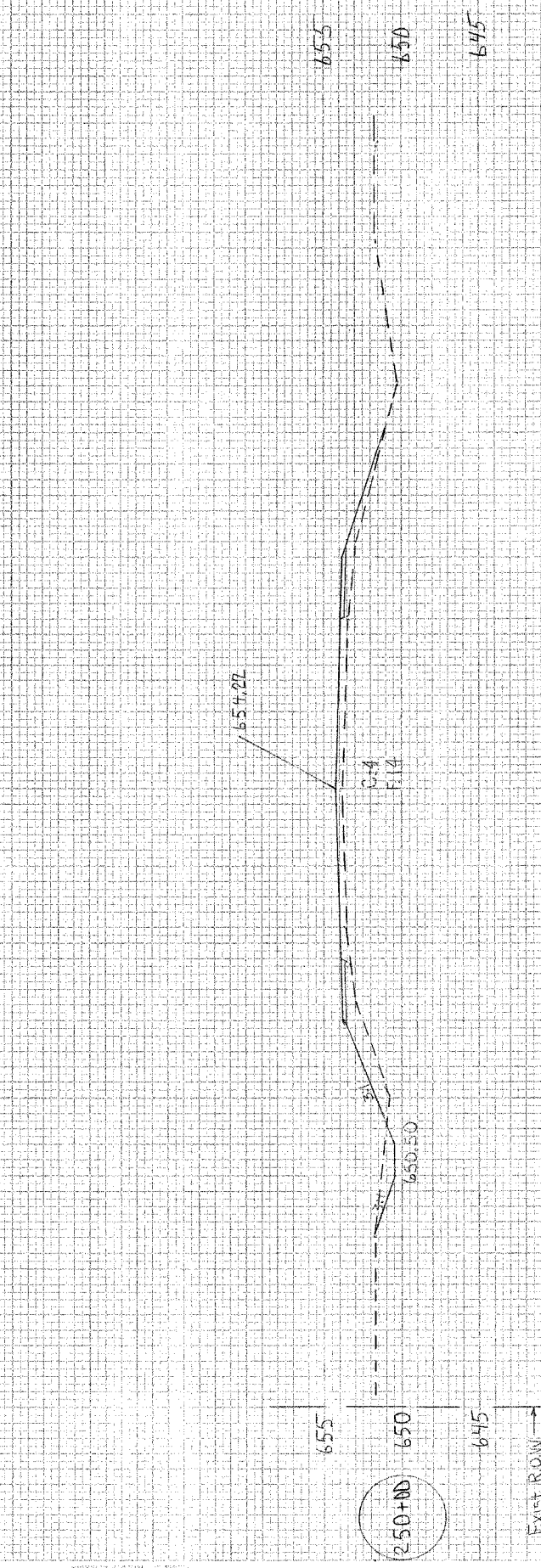
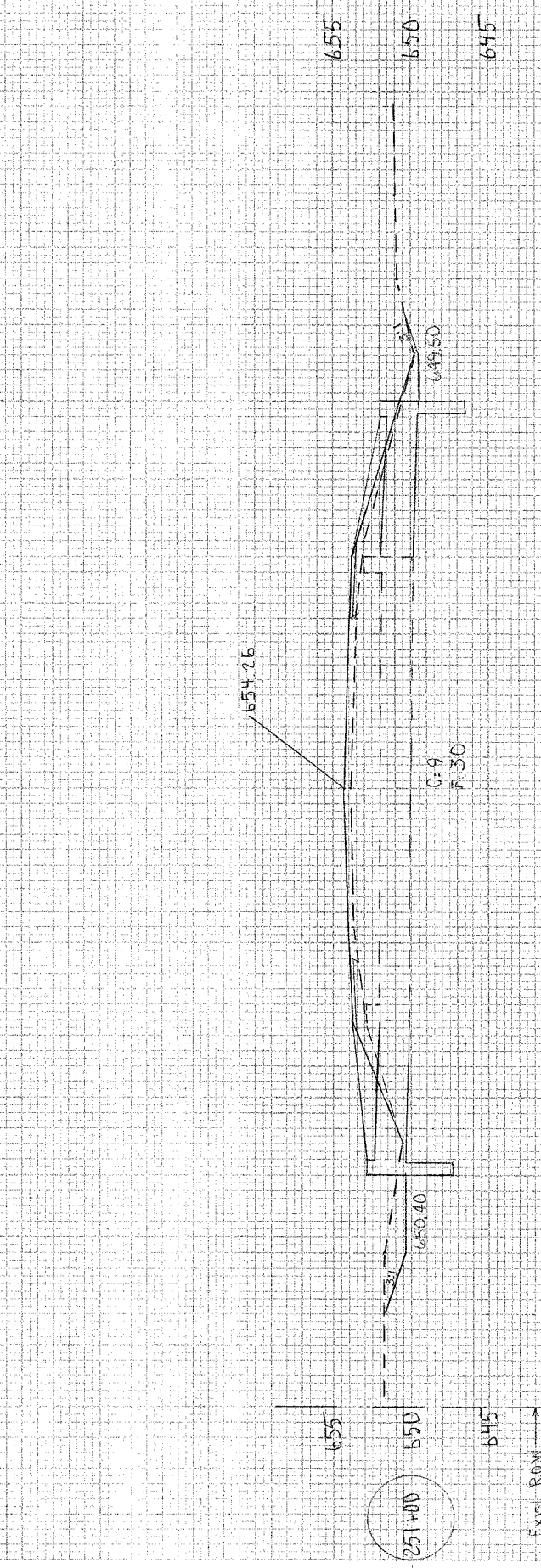
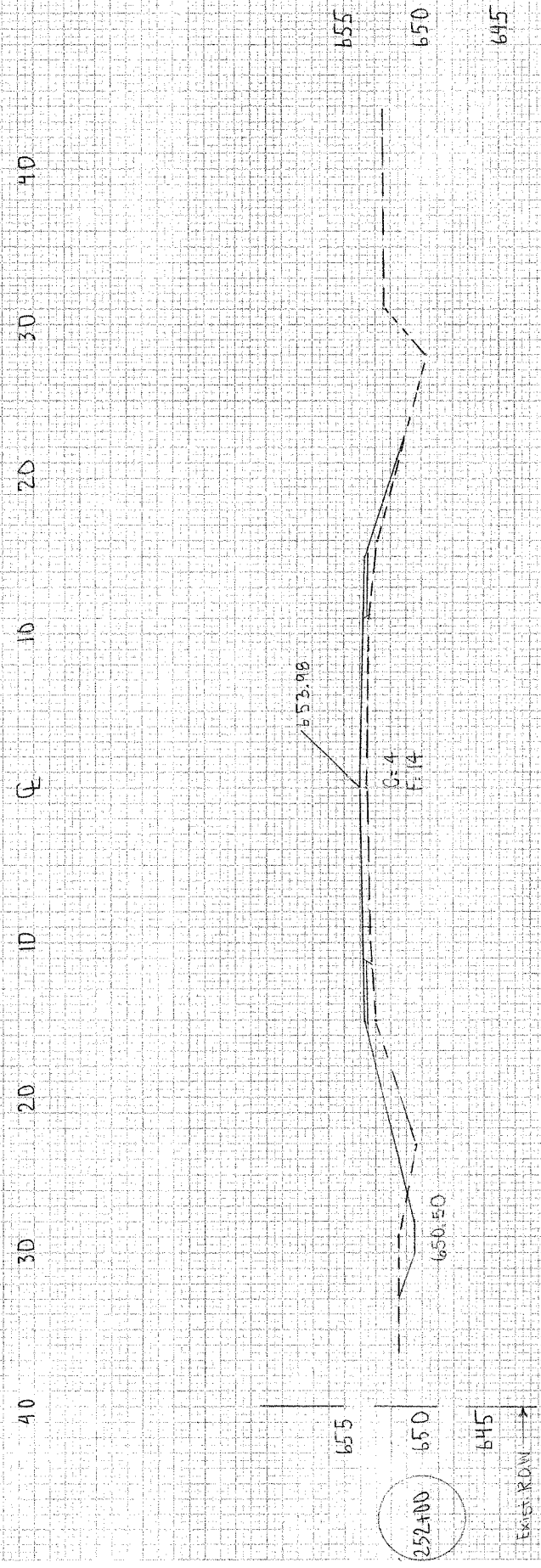


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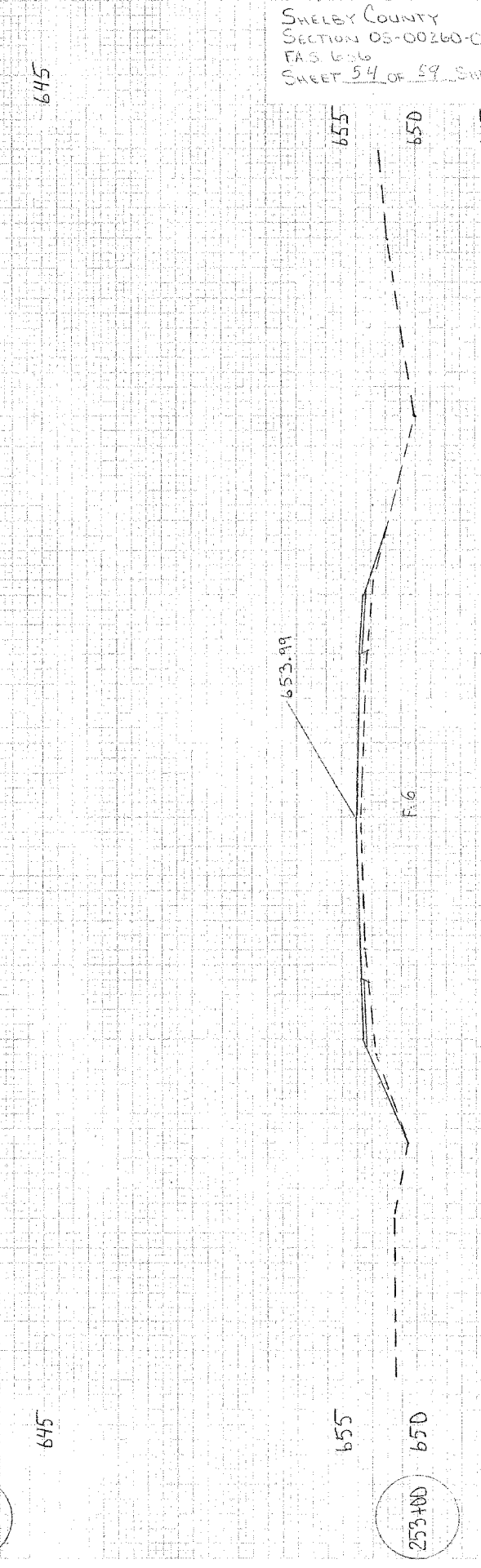
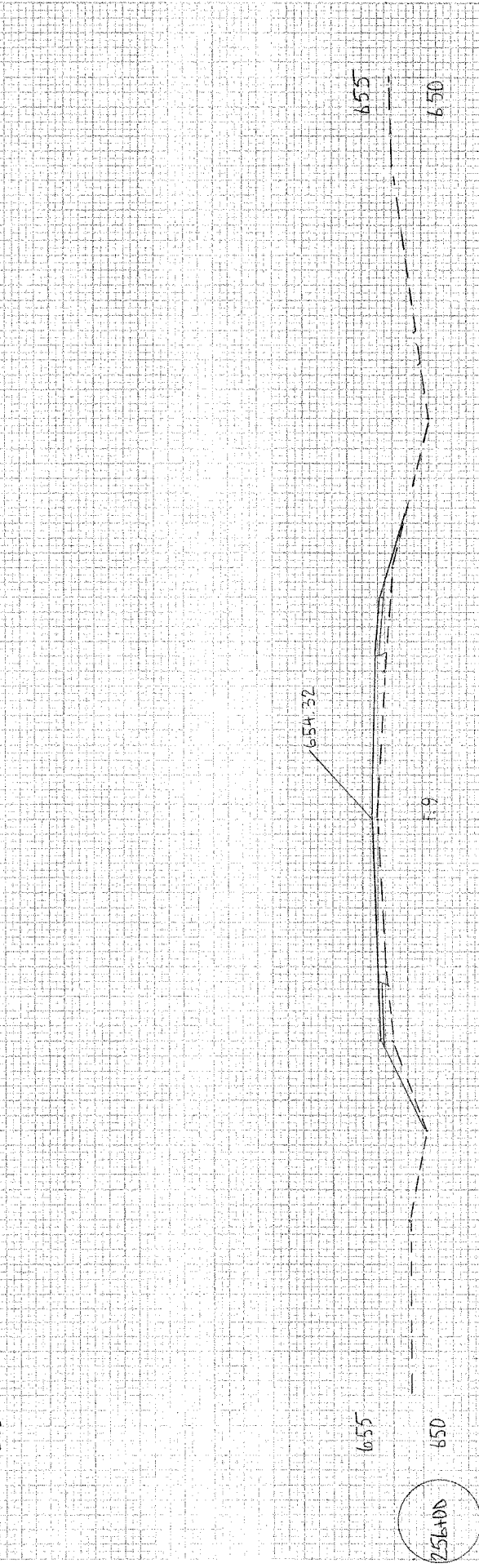
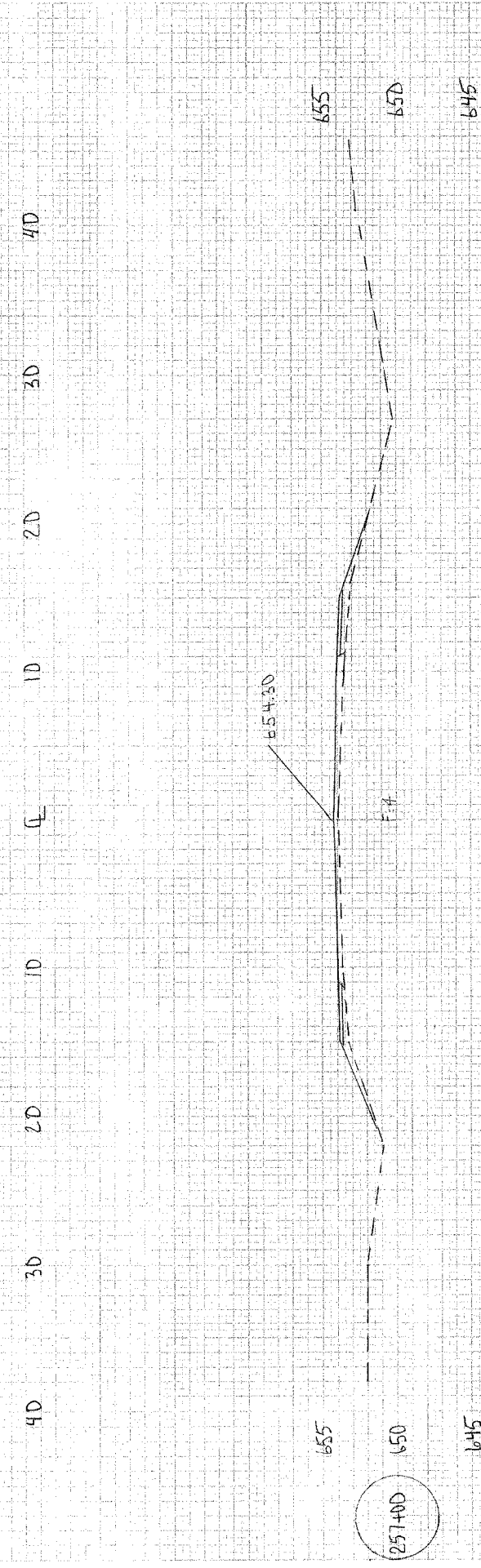
PROJECT	ROADWAY
DATE	10/20/11
DRAWN BY	W. J. BROWN
CHECKED BY	W. J. BROWN
SCALE	AS SHOWN
PROJECT NO.	05-00260-00-RS
SHEET NO.	53
TOTAL SHEETS	59

DATE	10/20/11
PROJECT	ROADWAY
DATE	10/20/11
DRAWN BY	W. J. BROWN
CHECKED BY	W. J. BROWN
SCALE	AS SHOWN
PROJECT NO.	05-00260-00-RS
SHEET NO.	53
TOTAL SHEETS	59

CONTRACT NO. 95424
 SHELLEY COUNTY
 SECTION 05-00260-00-RS
 P&S 656
 SHEET 53 OF 59 SHEETS

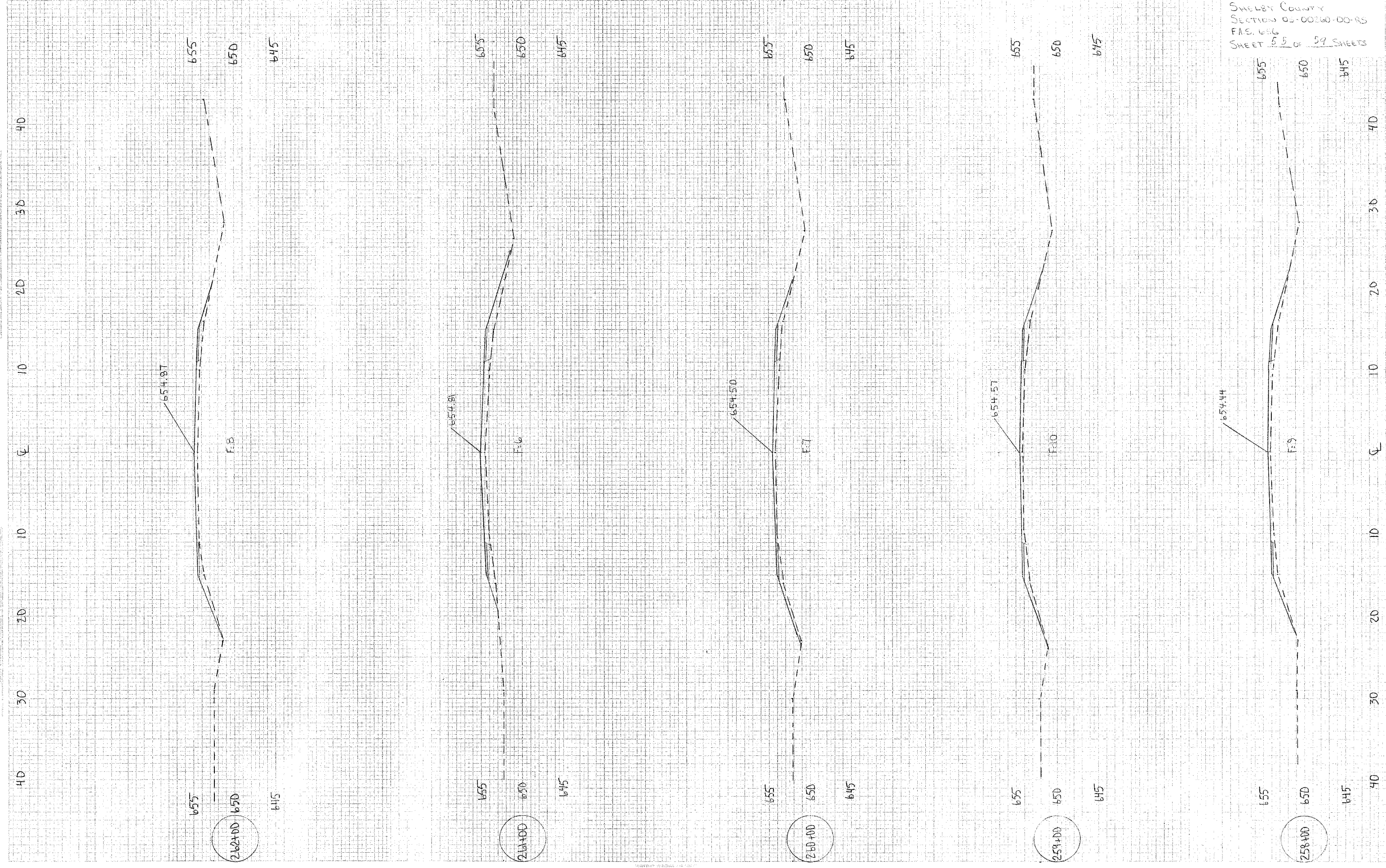


CONTRACT NO. 05488
 SHELBY COUNTY
 SECTION 05-00260-00-R3
 FAS 6-16
 SHEET 54 OF 59 SHEETS



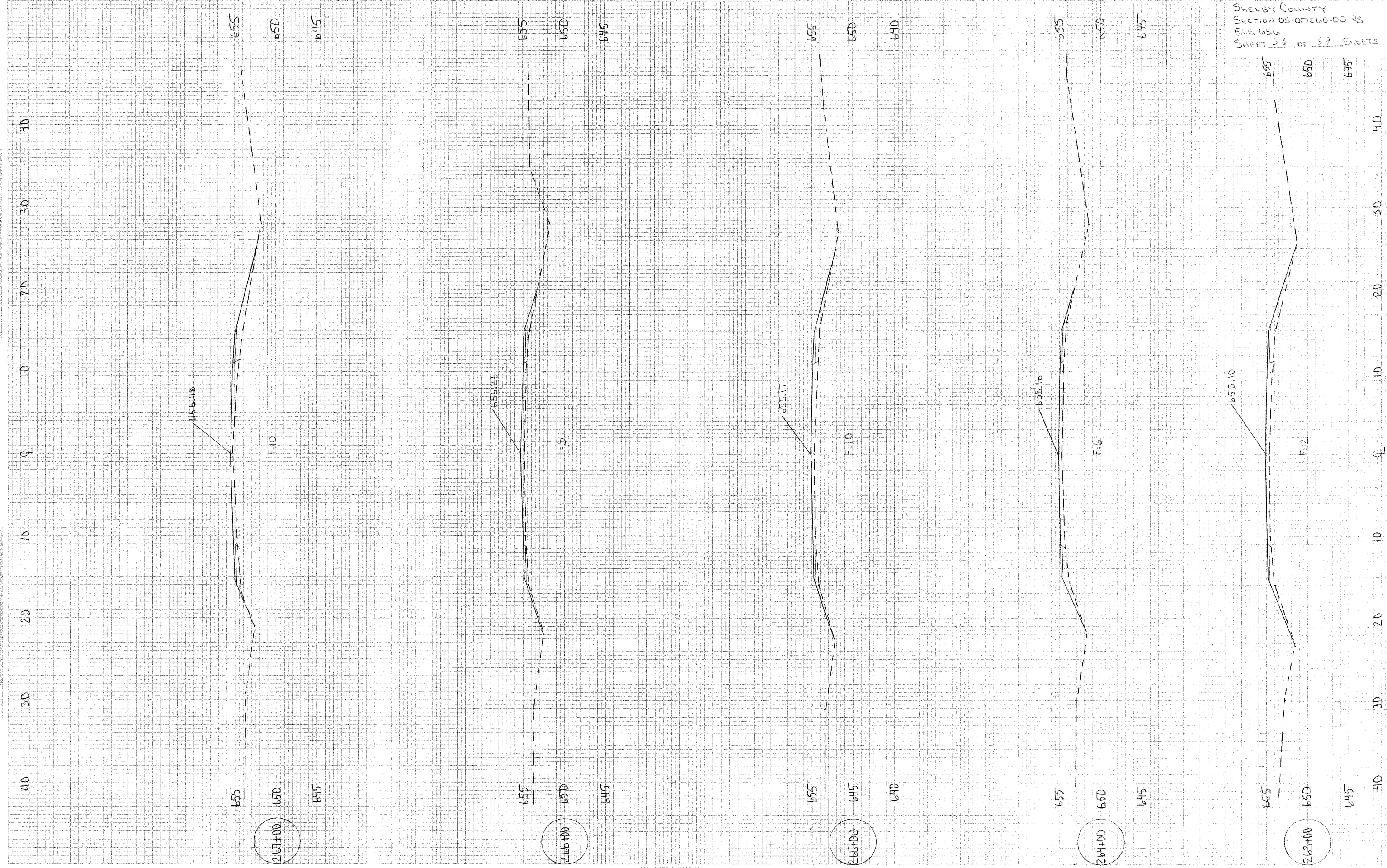
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 SURVEY
 DATE: 10/15/03
 BY: [Signature]

CONTRACT NO. 95288
 SHEET 55 of 59 SHEETS



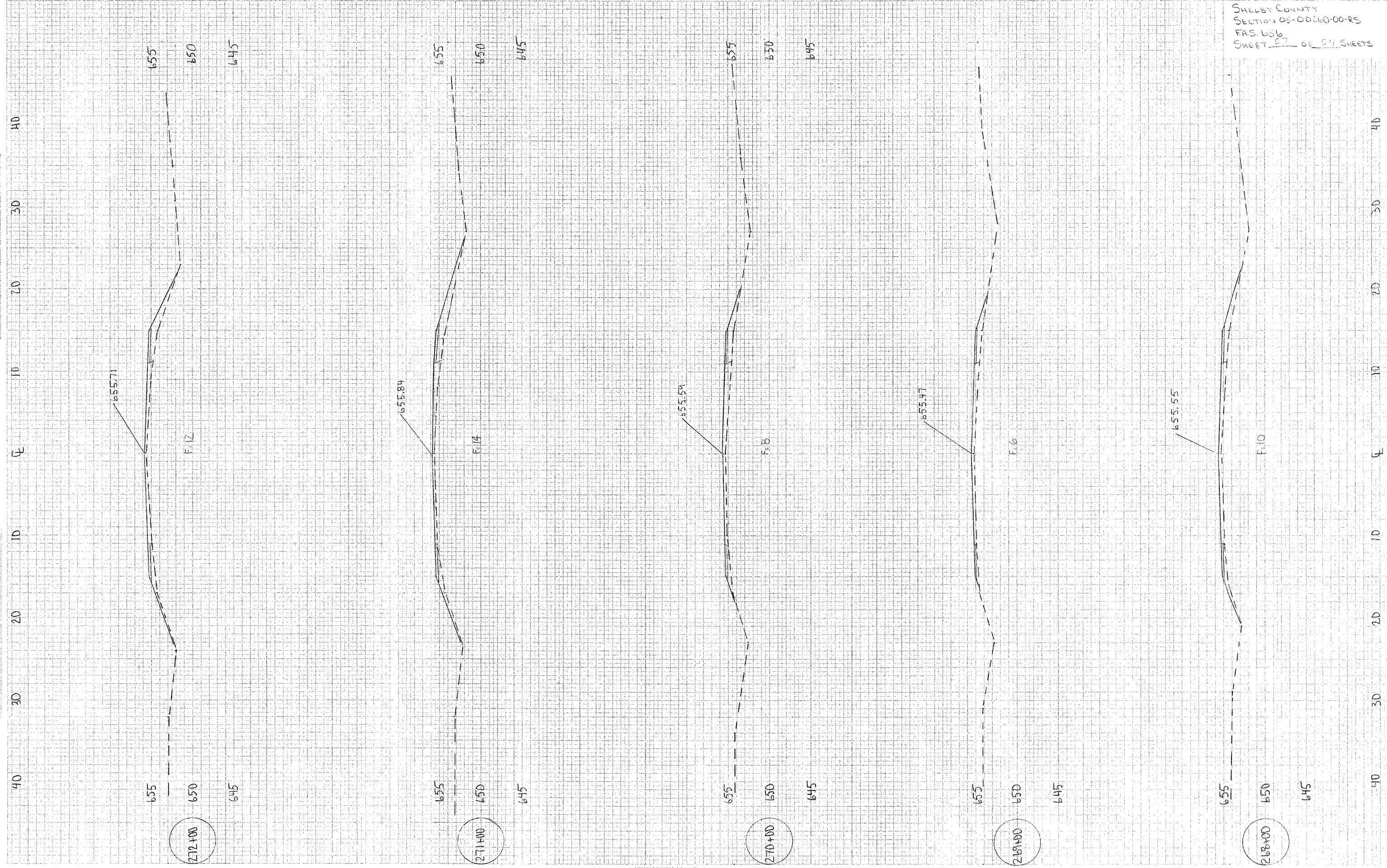
FINAL
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 PHOTOGRAPHIC
 DATE 08/08/2014

FINAL
 SURVEY
 PHOTOGRAPHIC
 DATE 08/08/2014



PROJECT NO. 75488
 SHEET NO. 57 OF 89 SHEETS
 DATE: 03/15/2011
 DRAWN BY: J. B. BROWN
 CHECKED BY: J. B. BROWN
 APPROVED BY: J. B. BROWN

PROJECT NO. 75488
 SHEET NO. 57 OF 89 SHEETS
 DATE: 03/15/2011
 DRAWN BY: J. B. BROWN
 CHECKED BY: J. B. BROWN
 APPROVED BY: J. B. BROWN



DATE	BY
REVISION	DESCRIPTION

DATE	BY
REVISION	DESCRIPTION

