

F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
650	02-00062-01-PV	MOULTRIE	44	1
FED. ROAD DIST. NO.		ILLINOIS CONTRACT NO. 95568		

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION
DIVISION OF HIGHWAYS

**PLANS FOR PROPOSED
FEDERAL-AID PROJECT**

FAS ROUTE 650
(CH 13, BETHANY-FINDLAY ROAD)
SECTION 02-00062-01-PV
MOULTRIE COUNTY
C-97-049-09
PROJ NO. RS-650 (103)

INDEX OF SHEETS

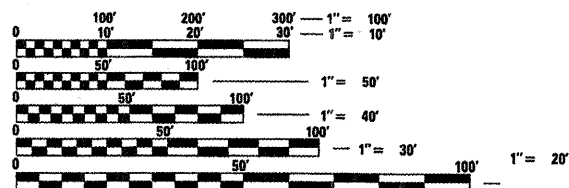
SHEET NO	TITLE
1.	COVER SHEET
2.	SUMMARY OF QUANTITIES & GENERAL NOTES
3.-4.	TYPICAL CROSS SECTIONS
5.-7.	SCHEDULE OF QUANTITIES
8.-14.	PLAN & PROFILE CH 13
15.	BACKFILL DETAILS
16.	DRAINAGE DETAILS
17.-20.	EROSION CONTROL PLAN
21.	ENTRANCE DETAIL
22.-23.	ENTRANCE & MAILBOX TURNOUT DETAILS
24.-44.	CROSS SECTIONS CH 13

**LIST OF ILLINOIS
D.O.T. HIGHWAY STANDARDS**

280001-04	TEMPORARY EROSION CONTROL SYSTEMS
285001-02	FABRIC FORMED CONCRETE REVETMENT MAT
542301-02	PRECAST REINFORCED CONCRETE FLARED END SECTIONS
601001-03	SUB-SURFACE DRAINS
601101-01	CONCRETE HEADWALL FOR PIPE DRAIN
602301-02	INLET TYPE A
602401-02	MANHOLE TYPE A
602601-02	PRECAST FLAT SLAB TOP
602701-02	CAST IRON STEPS
604001-03	FRAMES & LIDS TYPE 1
604036-02	GRATES TYPE 8
667101-01	PERMANENT SURVEY MARKERS
701006-03	OFF ROAD OPERATION 2L, 2W 15 FT TO EOP
701011-02	OFF ROAD - MOVING OPERATIONS 2L, 2W DAY ONLY
701901-01	TRAFFIC CONTROL DEVICES
BLR 21-8	TYPICAL APPLICATION OF TRAFFIC CONTROL DEVICES

UTILITY CONTACTS:

UTILITY TYPE:	UTILITY TYPE:
BURIED TELEPHONE	OVERHEAD ELECTRIC
VERIZON NORTH, INC.	COLES-MOULTRIE ELECTRIC
(309) 663-3422	(217) 258-5803
ATTN: JONNA FRICKE	ATTN: STEVE UNDERWOOD

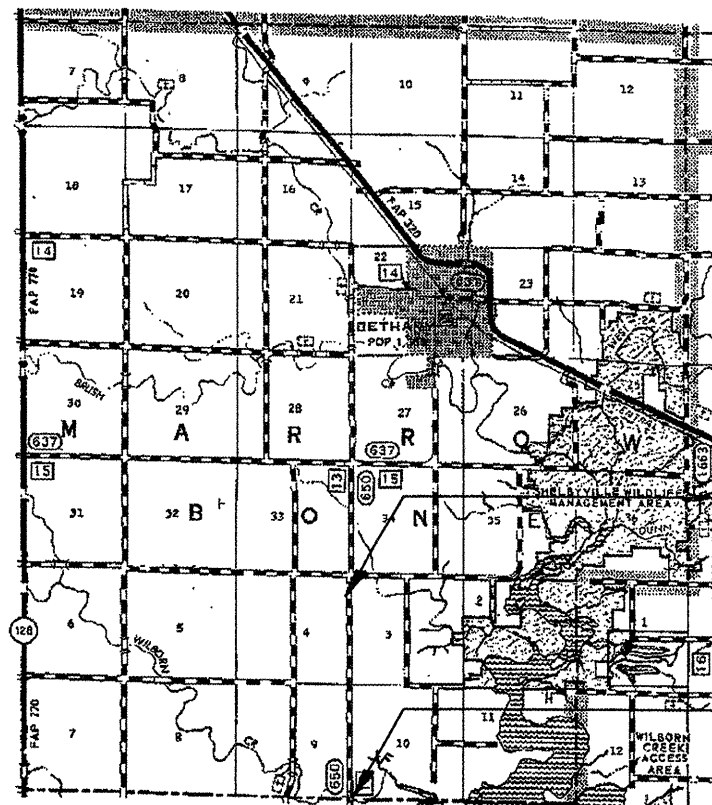


FULL SIZE PLANS HAVE BEEN PREPARED USING STANDARD ENGINEERING SCALES. REDUCED SIZED PLANS WILL NOT CONFORM TO STANDARD SCALES. IN MAKING MEASUREMENTS ON REDUCED PLANS, THE ABOVE SCALES MAY BE USED.

J.U.L.I.E.
JOINT UTILITY LOCATION INFORMATION FOR EXCAVATION
1-800-892-0123
OR 811

CONTRACT NO. 95568

CUMMINS ENGINEERING CORPORATION SPRINGFIELD, ILLINOIS

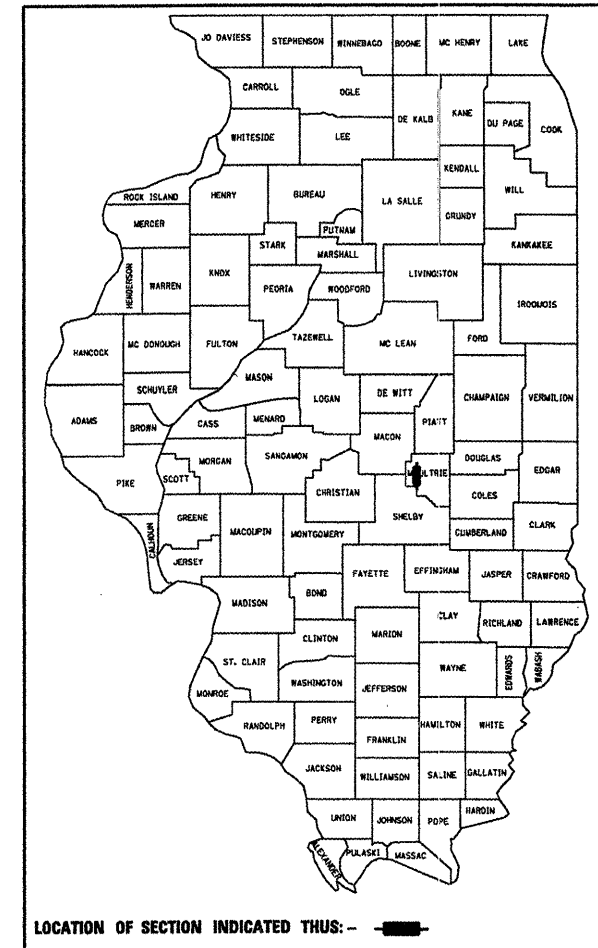


LAYOUT

Net Length of Section = 9,500.00 Feet = 1.799 Miles



SCALE IN MILES
COLLECTOR
CURRENT ADT = 460
DESIGN SPEED = 50 MPH



LOCATION OF SECTION INDICATED THUS: -

END CH 13 IMPROVEMENT
STA 104+00

BEGIN CH 13 IMPROVEMENT
STA 9+00



Michael D. Cummins (12-16-08)

ILLINOIS PROFESSIONAL NO. 43244
(Expires 11/30/09)

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION
DIVISION OF HIGHWAYS

APPROVED DECEMBER 18 20 08
Douglas E. DeLong
MOULTRIE COUNTY ENGINEER

PASSED 1-8 20 09
Maureen E. Kastl
DISTRICT 7 ENGINEER OF LOCAL ROADS & STREETS

RELEASED FOR BID
BASED ON LIMITED
REVIEW 1-8 20 09
Roger L. Driskell
DEPUTY DIRECTOR OF HIGHWAYS, REGION 4 ENGINEER

**PRINTED BY THE AUTHORITY
OF THE STATE OF ILLINOIS**

SUMMARY OF QUANTITIES

CONSTRUCTION TYPE CODE: 1000-2A

CODE	ITEM	UNIT	QUANTITY
20100110	TREE REMOVAL (6 TO 15 UNITS DIAMETER)	UNIT	47
20100210	TREE REMOVAL (OVER 15 UNITS DIAMETER)	UNIT	73
20200100	EARTH EXCAVATION	CU YD	14,990
21400100	GRADING AND SHAPING DITCHES	FOOT	9,621
25001000	• SEEDING, CLASS 2 (SPECIAL)	ACRE	7.52
25100630	EROSION CONTROL BLANKET	SQ YD	868
28000250	TEMPORARY EROSION CONTROL SEEDING	POUND	752
28000300	TEMPORARY DITCH CHECKS	EACH	69
28000310	AGGREGATE DITCH CHECKS	EACH	1
28000500	INLET AND PIPE PROTECTION	EACH	31
28500100	FABRIC FORMED CONCRETE REVETMENT MAT	SQ YD	66
35101400	AGGREGATE BASE COURSE, TYPE B	TON	39
35200500	CEMENT	100 WT	31,700
35800100	• PREPARATION OF BASE	SQ YD	15,113
40200800	AGGREGATE SURFACE COURSE, TYPE B	TON	152
40201000	• AGGREGATE FOR TEMPORARY ACCESS	TON	100
40600100	BITUMINOUS MATERIALS (PRIME COAT)	GALLON	7,800
40603085	HOT-MIX ASPHALT BINDER COURSE, IL-19.0, N70	TON	3,276
40603315	HOT-MIX ASPHALT SURFACE COURSE, MIX "C", N70	TON	2,150
44004000	PAVED DITCH REMOVAL	FOOT	662
48101200	• AGGREGATE SHOULDERS, TYPE B	TON	1,611
50105220	PIPE CULVERT REMOVAL	FOOT	140
54200430	PIPE CULVERTS, TYPE 1 RCCP 15"	FOOT	88
54200433	PIPE CULVERTS, TYPE 1 RCCP 18"	FOOT	32
54213660	PRECAST REINFORCED CONCRETE FLARED END SECTIONS 15"	EACH	4
54213663	PRECAST REINFORCED CONCRETE FLARED END SECTIONS 18"	EACH	2
60100060	CONCRETE HEADWALL FOR PIPE DRAINS	EACH	11
60100085	GEOTECHNICAL FABRIC FOR FRENCH DRAINS	SQ YD	1,349
60107700	PIPE UNDERDRAINS 6"	FOOT	19,000
60108200	• PIPE UNDERDRAINS 6" (SPECIAL)	FOOT	1,130
60108300	• PIPE UNDERDRAINS 8" (SPECIAL)	FOOT	399
60108510	• PIPE UNDERDRAINS 15" (SPECIAL)	FOOT	896
60108520	• PIPE UNDERDRAINS 18" (SPECIAL)	FOOT	3,332
60225100	• RESTRICTED DEPTH MANHOLES, 4'-DIAMETER, TYPE B GRATE	EACH	12
60235300	INLETS, TYPE A, TYPE 1 FRAME, CLOSED LID	EACH	17
60236200	INLETS, TYPE A, TYPE B GRATE	EACH	1
66700095	• PERMANENT SURVEY MARKERS	EACH	4
67100100	MOBILIZATION	L SUM	1
70101830	• TRAFFIC CONTROL AND PROTECTION, STANDARD BLR 21	L SUM	1
XX001050	• TRENCH BACKFILL (SPECIAL)	TON	121
XX007781	• PLACEMENT OF SALVAGED BASE MATERIAL	SQ YD	13,200
XX007782	• PIPE UNDERDRAINS 21" (SPECIAL)	FOOT	934
XX007783	• PROCESSING SOIL-CEMENT BASE COURSE 12"	SQ YD	28,500
XX007784	• FRENCH DRAINS (SPECIAL)	TON	291
XX007785	• SURFACE REMOVAL (SPECIAL)	SQ YD	8,800

• SEE SPECIAL PROVISIONS

GENERAL NOTES

- ALL CLEARING AND GRUBBING AND REMOVAL OF EXISTING DRAINAGE STRUCTURES AND PIPES ENCOUNTERED ARE TO BE INCLUDED IN THE UNIT PRICE BID FOR EARTH EXCAVATION EXCEPT AS NOTED ON THE PLANS.
- THE LOCATIONS OF EXISTING WATER MAINS, GAS MAINS, ELECTRIC POWER LINES, TELEPHONE LINES AND OTHER UTILITIES AS SHOWN ON THE PLANS, ARE BASED ON CAREFUL FIELD INVESTIGATION AND THE BEST INFORMATION AVAILABLE BUT THE LOCATIONS ARE NOT GUARANTEED. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO ASCERTAIN THEIR EXACT LOCATION FROM THE UTILITY COMPANIES AND BY FIELD INSPECTION.
- THE CEMENT CONTENT OF THE BASE COURSE IS ESTIMATED TO BE 10% BY VOLUME. THE QUANTITY OF CEMENT SHOWN ON THE PLANS WAS COMPUTED AT A RATE OF 117 POUNDS OF CEMENT PER SQUARE YARD.
- THE AREA TO BE SEEDED SHALL CONSIST OF ALL DISTURBED EARTH SURFACES WITHIN THE RIGHT OF WAY AS DIRECTED BY THE ENGINEER.

SEEDING, CLASS 2 (SPECIAL) = 7.52 ACRES

- THE FOLLOWING MATERIALS SHALL BE USED. NO OTHER KIND OF MATERIAL WILL BE PERMITTED AS AN ALTERNATE.

ITEM	MATERIAL	ARTICLE/SPECIFICATION
PIPE CULVERTS TYPE 1 RCCP	REINFORCED CONCRETE CULVERT STORM DRAIN & SEWER PIPE	1042.06
PIPE UNDERDRAINS	PERFORATED CORRUGATED POLYETHYLENE PIPE ADS N-12 OR APPROVED EQUAL	AASHTO M252 - UNDER ROADWAYS ASTM F2648 UNDER GRASSY AREAS
BACKFILL FOR PIPE UNDERDRAINS 6", FRENCH DRAINS, AND TRENCH BACKFILL (SPECIAL)	CA 14 WASHED GRAVEL	1004.02

- GRADING AND SHAPING DITCHES
EXISTING DITCHES SHALL BE GRADED AND SHAPED ACCORDING TO THE LINES, GRADES, AND CROSS SECTIONS SHOWN IN THE PLANS. THE WIDTH OF THE GRADING AND SHAPING SHALL BE APPROXIMATELY TEN FEET. EXCESS MATERIAL SHALL BE DISPOSED OF AS SPECIFIED IN ARTICLE 202.03 OF THE STANDARD SPECIFICATIONS.

- MIXTURE REQUIREMENTS
THE FOLLOWING MIXTURE REQUIREMENTS ARE APPLICABLE FOR THIS PROJECT.

LOCATIONS:	CH 13 STA 9+00	TO STA 104+00
MIXTURE USE(S):	BINDER	SURFACE
PG:	PG 64-22	PG 64-22
DESIGN AIR VOIDS:	4.0% • NDESIGN=70	4.0% • NDESIGN=70
MIXTURE COMPOSITION: (GRADATION MIXTURE)	IL 19.0	IL 9.5
FRICTION AGGREGATE:	NA	MIX "C"

APPLICATION RATES USED IN QUANTITY CALCULATIONS

CA 14 ----- 1.32 Ton/Cu. Yd.
 Bituminous Materials ----- 0.30 Gal./Sq. Yd.
 Hot-Mix Asphalt ----- 112 Lbs./Sq. Yd./1" Thickness

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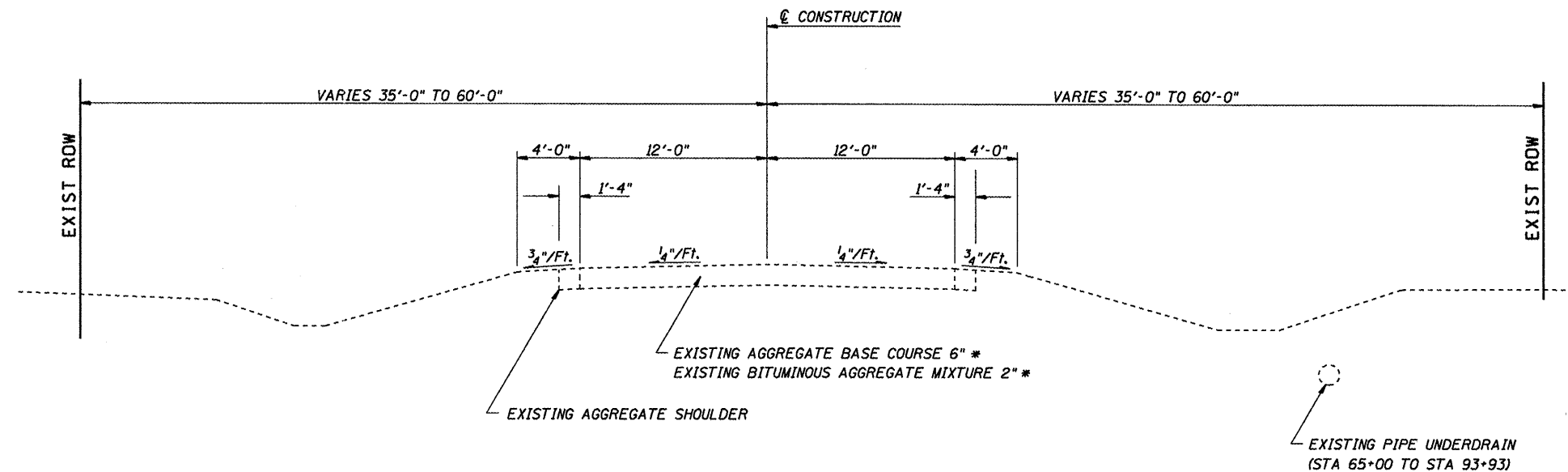
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MOULTRIE COUNTY
BETHANY FINDLAY RD. IMPROVEMENTS

SUMMARY OF QUANTITIES & GENERAL NOTES

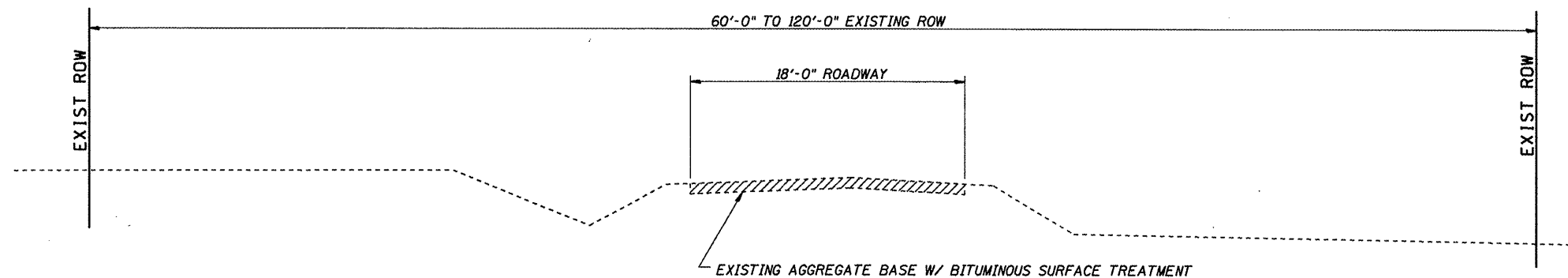
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CH 13, BETHANY FINDLAY RD.		CONTRACT NO. 95568		
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		



* SEE SPECIAL PROVISIONS
 "PREPARATION OF BASE" AND
 "PLACEMENT OF SALVAGED BASE MATERIALS"

CH 13
 EXISTING TYPICAL CROSS SECTION
 STA 53+00 TO STA 104+00



SEE SPECIAL PROVISION FOR "SURFACE REMOVAL (SPECIAL)"

SURFACE REMOVAL (SPECIAL) DEPTH:
 0.80' STA 9+00 TO STA 15+00
 0.71' STA 15+00 TO STA 53+00

CH 13
 EXISTING TYPICAL CROSS SECTION
 STA 9+00 TO STA 53+00

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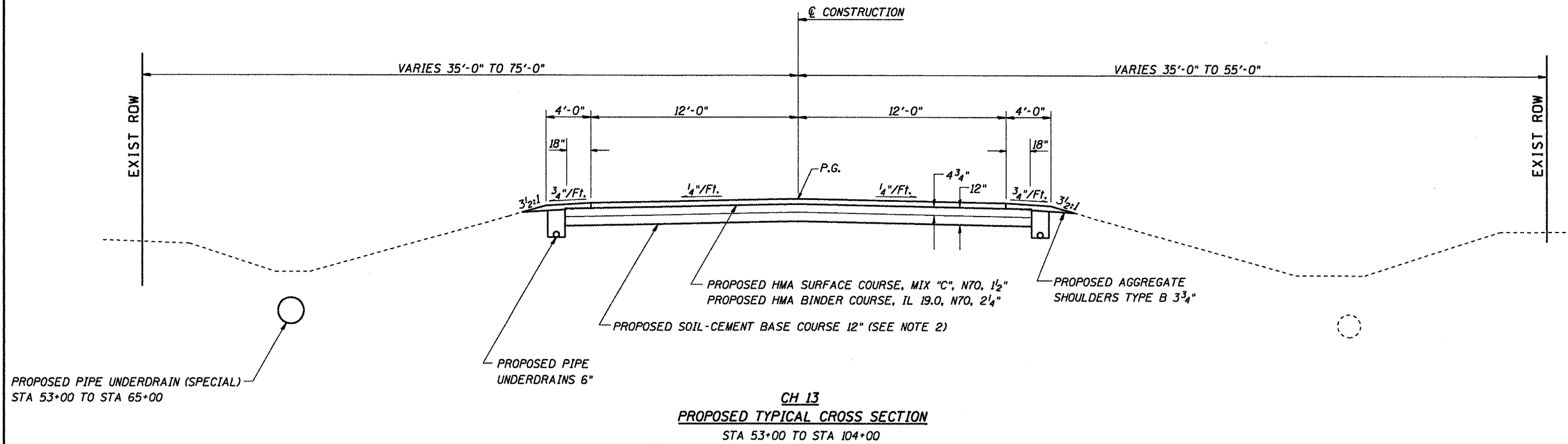
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MOULTRIE COUNTY
 BETHANY FINDLAY RD. IMPROVEMENTS

TYPICAL CROSS SECTIONS

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F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
650	02-00062-01-PV	MOULTRIE	44	3
CH 13, BETHANY FINDLAY RD.		CONTRACT NO. 95568		
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT				



PROPOSED PIPE UNDERDRAIN (SPECIAL)
STA 53+00 TO STA 65+00

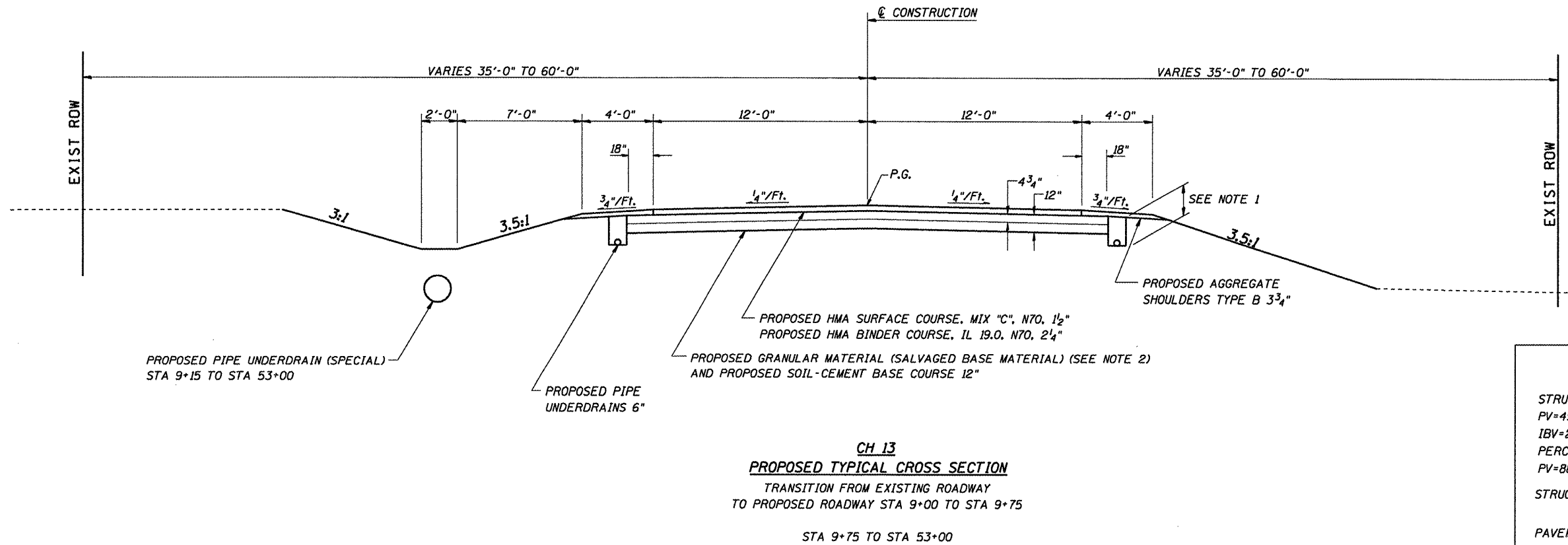
PROPOSED PIPE UNDERDRAINS 6"

PROPOSED HMA SURFACE COURSE, MIX "C", N70, 1 1/2"
PROPOSED HMA BINDER COURSE, IL 19.0, N70, 2 1/4"
PROPOSED SOIL-CEMENT BASE COURSE 12" (SEE NOTE 2)

PROPOSED AGGREGATE SHOULDERS TYPE B 3 3/4"

NOTE 1
THE DEPTH OF PROPOSED PIPE UNDERDRAINS 6" SHALL BE AS SPECIFIED ON STANDARD 601001 OR ACCORDING TO PROFILES INCLUDED ON THE PLAN AND PROFILE SHEETS

NOTE 2
SEE SPECIAL PROVISIONS "PREPARATION OF BASE" AND "PLACEMENT OF SALVAGED BASE MATERIALS"



PROPOSED PIPE UNDERDRAIN (SPECIAL)
STA 9+15 TO STA 53+00

PROPOSED PIPE UNDERDRAINS 6"

PROPOSED HMA SURFACE COURSE, MIX "C", N70, 1 1/2"
PROPOSED HMA BINDER COURSE, IL 19.0, N70, 2 1/4"
PROPOSED GRANULAR MATERIAL (SALVAGED BASE MATERIAL) (SEE NOTE 2) AND PROPOSED SOIL-CEMENT BASE COURSE 12"

PROPOSED AGGREGATE SHOULDERS TYPE B 3 3/4"

PAVEMENT DESIGN	
STA 9+00 TO STA 104+00	
STRUCTURAL DESIGN TRAFFIC YEAR: 2019	
PV=458 SU=36 MU=26	
IBV=2.0 TRAFFIC FACTOR=0.140	
PERCENT OF SDT FOR TWO LANES	
PV=88% SU=7.0% MU=5.0%	
STRUCTURAL NUMBER D ₁ = 3.42	
PAVEMENT COMPOSITION	
PROPOSED	
1 1/2" HOT-MIX ASPHALT SURFACE COURSE, MIX "C" N70 A ₁ = 0.40	
2 1/4" HOT-MIX ASPHALT BINDER COURSE, IL 19.0 N70 A ₁ = 0.40	
12" SOIL-CEMENT BASE COURSE A ₂ = 0.17	

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MOULTRIE COUNTY
BETHANY FINDLAY RD. IMPROVEMENTS

TYPICAL CROSS SECTIONS

SCALE: SHEET NO. OF SHEETS STA. TO STA.

F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
650	02-00062-01-PV	MOULTRIE	44	4
CH 13, BETHANY FINDLAY RD.		CONTRACT NO. 95568		
FED. ROAD DIST. NO. [ILLINOIS] FED. AID PROJECT				

TREE REMOVAL			
LOCATION		6"-15"	>15"
		UNIT	UNIT
42'	LT STA 11+29	14	
40'	LT STA 11+44	13	
39'	LT STA 11+52	8	
42'	LT STA 11+57		18
26'	LT STA 12+58		18
26'	LT STA 12+63		21
26'	LT STA 13+45		16
23'	RT STA 12+78	12	
TOTAL		47	73

EARTHWORK				
CH 13	EARTH EXCAVATION CU YD	EARTH EXCAVATION ADJUSTED FOR SHRINKAGE CU YD	EMBANKMENT CU YD	EARTHWORK
				BALANCE WASTE (-) or SHORTAGE (+) CU YD
STA 9+00 TO STA 23+00	8,375	6285	1,925	-4360
STA 23+00 TO STA 38+00	4,665	3500	550	-2950
STA 38+00 TO STA 53+00	1,480	1110	700	-410
* STA 53+00 TO STA 104+00	380	285	0	-285
ENTRANCES	90	70	145	+75
TOTALS	14,990	11,250	3,320	-7930

* SHOULDER EXCAVATION - SEE SPECIAL PROVISION
"PREPARATION OF BASE"

GRADING AND SHAPING DITCHES		
LOCATION	FOOT	
LT STA 53+06 TO STA 66+03	1,297	
LT STA 66+43 TO STA 79+28	1,285	
LT STA 79+66 TO STA 88+80	914	
LT STA 89+18 TO STA 89+95	77	
LT STA 90+82 TO STA 94+00	318	
LT STA 94+75 TO STA 104+00	925	
RT STA 53+05 TO STA 59+57	652	
RT STA 59+97 TO STA 65+88	591	
RT STA 66+27 TO STA 79+07	1,280	
RT STA 79+76 TO STA 91+72	1196	
RT STA 92+37 TO STA 94+41	204	
RT STA 95+18 TO STA 104+00	882	
TOTAL	9,621	

FABRIC FORMED CONCRETE REVETMENT MAT		
LOCATION	WIDTH	SQ YD
LT STA 9+05 TO STA 9+55	11.75	66
TOTAL		66

PAVED DITCH REMOVAL	
LOCATION	FOOT
LT STA 9+00 TO STA 12+31	331
RT STA 9+00 TO STA 12+31	331
TOTAL	662

PIPE CULVERT REMOVAL		
LOCATION	TYPE	FOOT
LT STA 19+57	12" CMP	30
LT STA 52+86	12"	24
RT STA 19+11	8" CMP	16
RT STA 28+95	18"	46
RT STA 52+86	12"	24
TOTAL		140

PIPE CULVERTS				
LOCATION	PIPE CULVERTS TYPE I, RCCP		PRECAST REINFORCED CONCRETE FLARED END SECTIONS	
	15" FOOT	18" FOOT	15" EACH	18" EACH
LT STA 19+56	56		2	
RT STA 19+09	32		2	
RT STA 28+89		32		2
TOTAL	88	32	4	2

GEOTECHNICAL FABRIC FOR FRENCH DRAINS				
LOCATION	LENGTH	WIDTH	DEPTH	SQ YD
TRENCH BACKFILL LOCATIONS				
STA 23+00	29'	3.5'	6.00'	38.67
STA 28+00	29'	3.5'	5.60'	36.09
STA 33+00	29'	3.5'	5.20'	33.51
STA 38+00	29'	3.5'	4.85'	31.26
STA 43+00	29'	3.5'	4.35'	28.03
STA 47+00	29'	3.5'	4.00'	25.78
STA 52+00	29'	3.5'	3.65'	23.52
STA 57+00	29'	3.5'	4.10'	26.42
STA 61+00	29'	3.5'	4.30'	27.71

FRENCH DRAIN LOCATIONS				
LOCATION	LENGTH	WIDTH	DEPTH	SQ YD
LT STA 23+00	50'	2'	2.60'	51.11
LT STA 28+00	50'	2'	3.40'	60.00
LT STA 33+00	50'	2'	3.25'	58.33
LT STA 38+00	50'	2'	3.55'	61.67
LT STA 43+00	50'	2'	3.90'	65.56
LT STA 47+00	50'	2'	4.25'	69.44
LT STA 52+00	50'	2'	4.60'	73.33
LT STA 57+00	50'	2'	3.85'	65.00
LT STA 61+00	50'	2'	2.55'	50.56
LT STA 65+00	100'	2'	1.55'	78.89
RT STA 23+00	50'	2'	2.50'	50.00
RT STA 28+00	50'	2'	2.50'	50.00
RT STA 33+00	50'	2'	2.50'	50.00
RT STA 38+00	50'	2'	2.50'	50.00
RT STA 43+00	50'	2'	2.50'	50.00
RT STA 47+00	50'	2'	2.50'	50.00
RT STA 52+00	50'	2'	2.50'	50.00
RT STA 57+00	50'	2'	2.50'	50.00
RT STA 61+00	50'	2'	1.95'	43.89
TOTAL				1348.77

PIPE UNDERDRAINS 6"		
LOCATION	FOOT	
RT STA 9+00 TO STA 14+00	500	
RT STA 14+00 TO STA 19+00	500	
RT STA 19+00 TO STA 24+00	500	
RT STA 24+00 TO STA 29+00	500	
RT STA 29+00 TO STA 34+00	500	
RT STA 34+00 TO STA 39+00	500	
RT STA 39+00 TO STA 44+00	500	
RT STA 44+00 TO STA 49+00	500	
RT STA 49+00 TO STA 59+00	1000	
RT STA 59+00 TO STA 64+00	500	
RT STA 64+00 TO STA 69+00	500	
RT STA 69+00 TO STA 74+00	500	
RT STA 74+00 TO STA 79+00	500	
RT STA 79+00 TO STA 84+00	500	
RT STA 84+00 TO STA 89+00	500	
RT STA 89+00 TO STA 94+09	509	
RT STA 94+09 TO STA 99+00	491	
RT STA 99+00 TO STA 104+00	500	
LT STA 9+00 TO STA 14+11	511	
LT STA 14+11 TO STA 19+00	489	
LT STA 19+00 TO STA 24+00	500	
LT STA 24+00 TO STA 29+00	500	
LT STA 29+00 TO STA 34+00	500	
LT STA 34+00 TO STA 39+00	500	
LT STA 39+00 TO STA 44+00	500	
LT STA 44+00 TO STA 49+00	500	
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LT STA 59+00 TO STA 64+00	500	
LT STA 64+00 TO STA 69+00	500	
LT STA 69+00 TO STA 74+00	500	
LT STA 74+00 TO STA 79+00	500	
LT STA 79+00 TO STA 84+00	500	
LT STA 84+00 TO STA 89+00	500	
LT STA 89+00 TO STA 94+09	509	
LT STA 94+09 TO STA 99+00	491	
LT STA 99+00 TO STA 104+00	500	
TOTAL		19,000

CUMMINS
ENGINEERING
CORPORATION

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MOULTRIE COUNTY
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SCHEDULE OF QUANTITIES

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FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		

PIPE UNDERDRAINS SPECIAL

LOCATION	SPEC	CONCRETE HEADWALL FOR PIPE DRAIN EACH					
		6"	8"	15"	18'	21"	
		FOOT	FOOT	FOOT	FOOT	FOOT	
MAIN UNDERDRAIN							
35.50' LT STA 9+15.00 TO 24.80' LT STA 10+99.00	ASTM F2648						184.00
24.80' LT STA 11+01.00 TO 24.00' LT STA 14+10.00	ASTM F2648						309.00
24.00' LT STA 14+12.00 TO 35.80' LT STA 18+53.00	ASTM F2648						441.00
35.80' LT STA 18+55.00 TO 32.00' LT STA 22+99.00	ASTM F2648					444.00	
32.00' LT STA 23+01.00 TO 29.75' LT STA 27+99.00	ASTM F2648					498.00	
29.75' LT STA 28+01.00 TO 27.40' LT STA 32+99.00	ASTM F2648					498.00	
27.40' LT STA 33+01.00 TO 25.90' LT STA 37+99.00	ASTM F2648					498.00	
25.90' LT STA 38+01.00 TO 24.30' LT STA 42+99.00	ASTM F2648					498.00	
24.30' LT STA 43+01.00 TO 23.45' LT STA 46+99.00	ASTM F2648					398.00	
23.45' LT STA 47+01.00 TO 22.70' LT STA 51+99.00	ASTM F2648					498.00	
22.70' LT STA 52+01.00 TO 23.50' LT STA 56+99.00	ASTM F2648					498.00	
23.50' LT STA 57+01.00 TO 25.90' LT STA 60+99.00	ASTM F2648					498.00	
25.90' LT STA 61+01.00 TO 27.85' LT STA 64+99.50	ASTM F2648					398.00	
			398.50				
CROSSING PIPES							
31.00' LT STA 23+00.00 TO 29.30' RT STA 23+00.00	AASHTO M252	60.30					
28.75' LT STA 28+00.00 TO 28.05' RT STA 28+00.00	AASHTO M252	56.80					
26.40' LT STA 33+00.00 TO 26.75' RT STA 33+00.00	AASHTO M252	53.15					
24.90' LT STA 38+00.00 TO 25.40' RT STA 38+00.00	AASHTO M252	50.30					
23.30' LT STA 43+00.00 TO 23.80' RT STA 43+00.00	AASHTO M252	47.10					
22.45' LT STA 47+00.00 TO 22.95' RT STA 47+00.00	AASHTO M252	45.40					
21.70' LT STA 52+00.00 TO 22.20' RT STA 52+00.00	AASHTO M252	43.90					
22.50' LT STA 57+00.00 TO 23.00' RT STA 57+00.00	AASHTO M252	45.50					
24.90' LT STA 61+00.00 TO 25.40' RT STA 61+00.00	AASHTO M252	50.30					
FRENCH DRAIN PIPES							
29.80' RT STA 22+75.00 TO 29.80' RT STA 22+99.50	ASTM F2648	24.50					
29.80' RT STA 23+00.50 TO 29.80' RT STA 23+25.00	ASTM F2648	24.50					
28.55' RT STA 27+75.00 TO 28.55' RT STA 27+99.50	ASTM F2648	24.50					
27.25' RT STA 28+00.50 TO 28.55' RT STA 28+25.00	ASTM F2648	24.50					
25.90' RT STA 32+75.00 TO 27.25' RT STA 32+99.50	ASTM F2648	24.50					
25.90' RT STA 33+00.50 TO 27.25' RT STA 33+25.00	ASTM F2648	24.50					
25.40' RT STA 37+75.00 TO 25.90' RT STA 37+99.50	ASTM F2648	24.50					
25.40' RT STA 38+00.50 TO 25.90' RT STA 38+25.00	ASTM F2648	24.50					
24.30' RT STA 42+75.00 TO 24.30' RT STA 42+99.50	ASTM F2648	24.50					
24.30' RT STA 43+00.50 TO 24.30' RT STA 43+25.00	ASTM F2648	24.50					
23.45' RT STA 46+75.00 TO 23.45' RT STA 46+99.50	ASTM F2648	24.50					
23.45' RT STA 47+00.50 TO 23.45' RT STA 47+25.00	ASTM F2648	24.50					
22.70' RT STA 51+75.00 TO 22.70' RT STA 51+99.50	ASTM F2648	24.50					
22.70' RT STA 52+00.50 TO 22.70' RT STA 52+25.00	ASTM F2648	24.50					
23.50' RT STA 56+75.00 TO 23.50' RT STA 56+99.50	ASTM F2648	24.50					
23.50' RT STA 57+00.50 TO 23.50' RT STA 57+25.00	ASTM F2648	24.50					
25.90' RT STA 60+75.00 TO 25.90' RT STA 60+99.50	ASTM F2648	24.50					
25.90' RT STA 61+00.50 TO 25.90' RT STA 61+25.00	ASTM F2648	24.50					
27.85' RT STA 65+01.00 TO 27.85' RT STA 65+50.00	ASTM F2648	49.00					

PIPE UNDERDRAINS SPECIAL-CONTINUED

LOCATION	SPEC	CONCRETE HEADWALL FOR PIPE DRAIN EACH					
		6"	8"	15"	18'	21"	
		FOOT	FOOT	FOOT	FOOT	FOOT	
SHOULDER UNDERDRAIN OUTLETS							
RT STA 9+00	AASHTO M252	2.00					1
RT STA 14+00	AASHTO M252	5.00					1
RT STA 18+54	AASHTO M252	5.00					1
RT STA 23+00	AASHTO M252	5.10					
RT STA 28+00	AASHTO M252	4.70					
RT STA 33+00	AASHTO M252	3.60					
RT STA 38+00	AASHTO M252	3.30					
RT STA 43+00	AASHTO M252	2.90					
RT STA 47+00	AASHTO M252	2.70					
RT STA 52+00	AASHTO M252	3.10					
RT STA 57+00	AASHTO M252	3.40					
RT STA 61+00	AASHTO M252	4.70					
RT STA 65+00	AASHTO M252	5.80					1
RT STA 68+85	AASHTO M252	4.30					
RT STA 74+50	AASHTO M252	4.50					
RT STA 78+00	AASHTO M252	4.90					
RT STA 82+00	AASHTO M252	4.70					
RT STA 84+50	AASHTO M252	4.90					
RT STA 89+50	AASHTO M252	5.40					
RT STA 94+09	AASHTO M252	7.10					1
RT STA 99+00	AASHTO M252	4.90					1
LT STA 9+00	AASHTO M252	2.30					1
LT STA 14+11	AASHTO M252	8.10					
LT STA 18+54	AASHTO M252	5.00					1
LT STA 23+00	AASHTO M252	5.40					
LT STA 28+00	AASHTO M252	5.00					
LT STA 33+00	AASHTO M252	4.20					
LT STA 38+00	AASHTO M252	3.80					
LT STA 43+00	AASHTO M252	3.50					
LT STA 47+00	AASHTO M252	3.20					
LT STA 52+00	AASHTO M252	3.00					
LT STA 57+00	AASHTO M252	3.40					
LT STA 61+00	AASHTO M252	3.60					
LT STA 65+00	AASHTO M252	5.80					1
LT STA 68+85	AASHTO M252	4.40					
LT STA 74+50	AASHTO M252	4.10					
LT STA 78+00	AASHTO M252	4.20					
LT STA 82+00	AASHTO M252	4.50					
LT STA 84+50	AASHTO M252	4.60					
LT STA 89+50	AASHTO M252	5.10					
LT STA 94+00	AASHTO M252	7.10					1
LT STA 99+00	AASHTO M252	4.90					1
TOTAL		1129.95	398.50	896.00	3332.00	934.00	11

CUMMINS ENGINEERING CORPORATION

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PLOT SCALE = 100.0000 sf / IN.	CHECKED - NAK	REVISED -
PLOT DATE = 12/22/2008	DATE - 10/15/2008	REVISED -

MOULTRIE COUNTY
BETHANY FINDLAY RD. IMPROVEMENTS

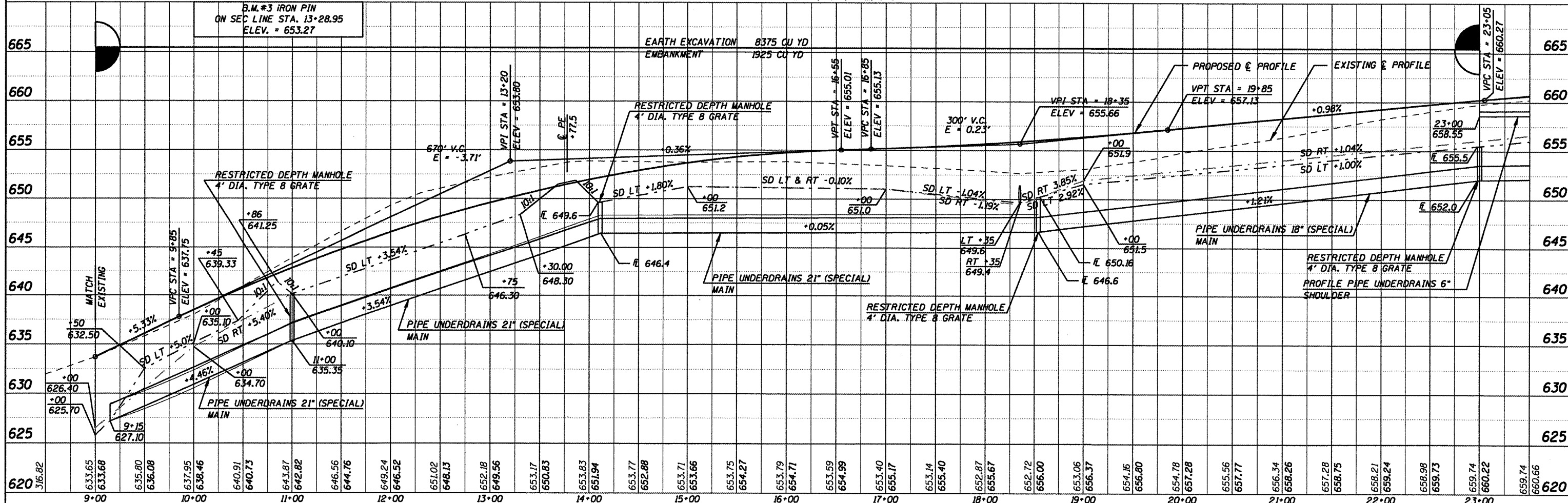
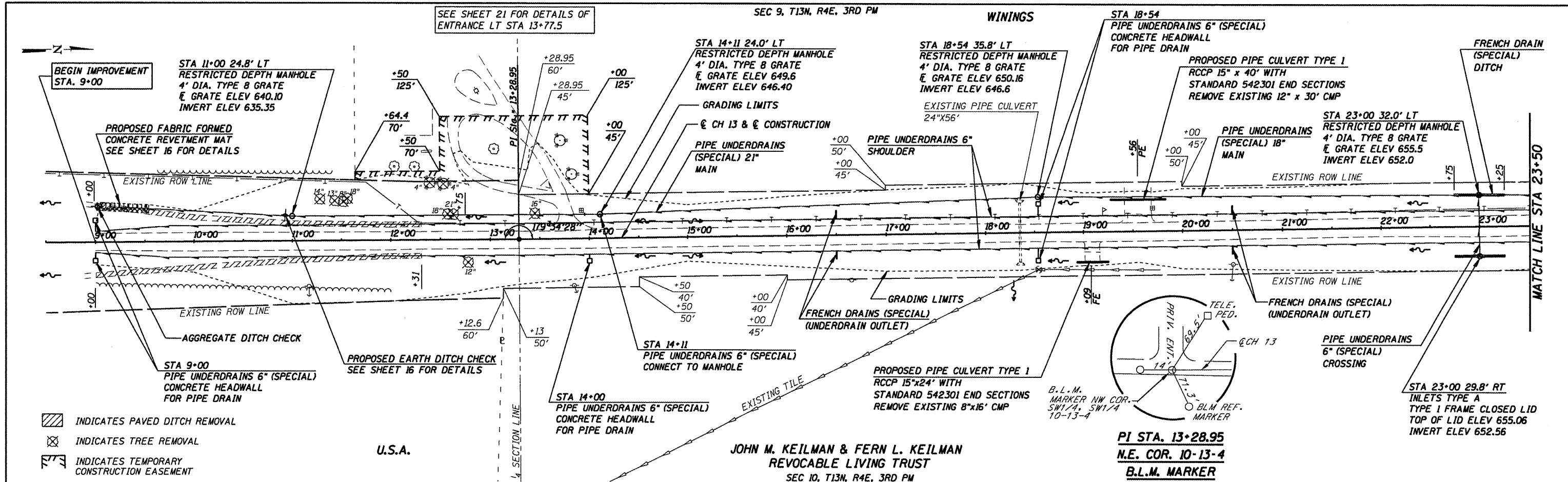
SCHEDULE OF QUANTITIES

SCALE: SHEET NO. OF SHEETS STA. TO STA.

F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
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CH 13, BETHANY FINDLAY RD.		CONTRACT NO. 95568		
FED. ROAD DIST. NO. [ILLINOIS] FED. AID PROJECT				

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CUMMINS ENGINEERING CORPORATION

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DESIGNED - NAK	REVISED -
DRAWN - AJH	REVISED -
CHECKED - NAK	REVISED -
DATE - 10/08/2008	REVISED -

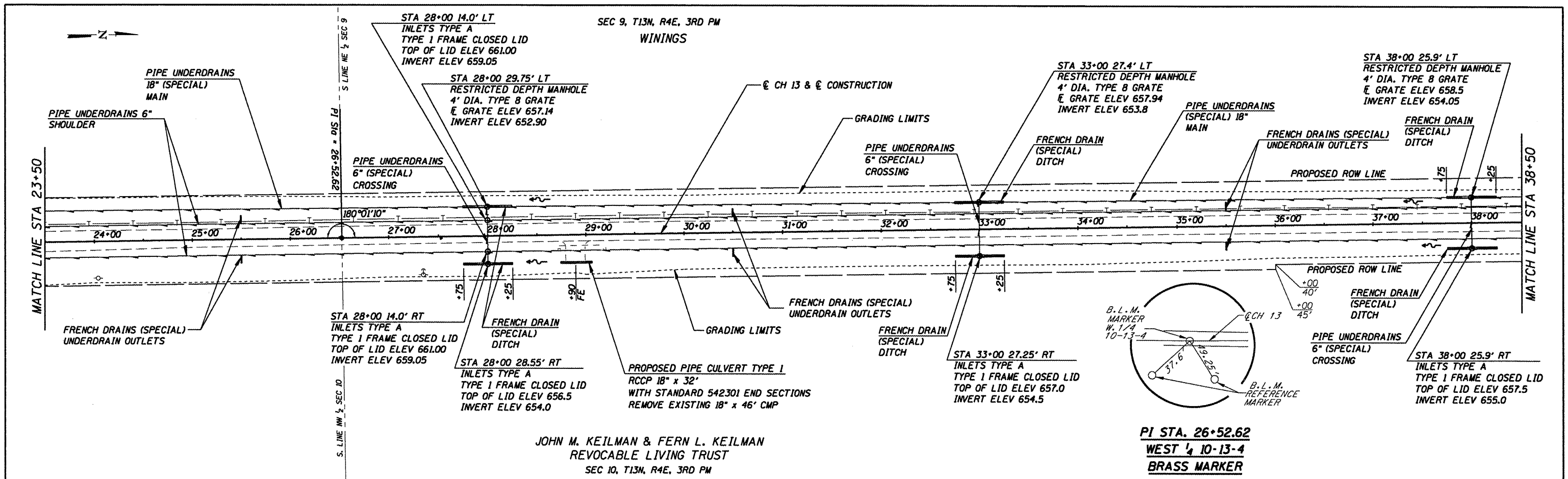
MOULTRIE COUNTY
BETHANY FINDLAY RD. IMPROVEMENTS

PLAN & PROFILE - CH 13
 SCALE: SHEET NO. OF SHEETS STA. 9+00 TO STA. 23+50

F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
650	02-00062-01-PV	MOULTRIE	44	8
CH 13, BETHANY FINDLAY RD.			CONTRACT NO. 95568	
FED. ROAD DIST. NO. [ILLINOIS] FED. AID PROJECT				

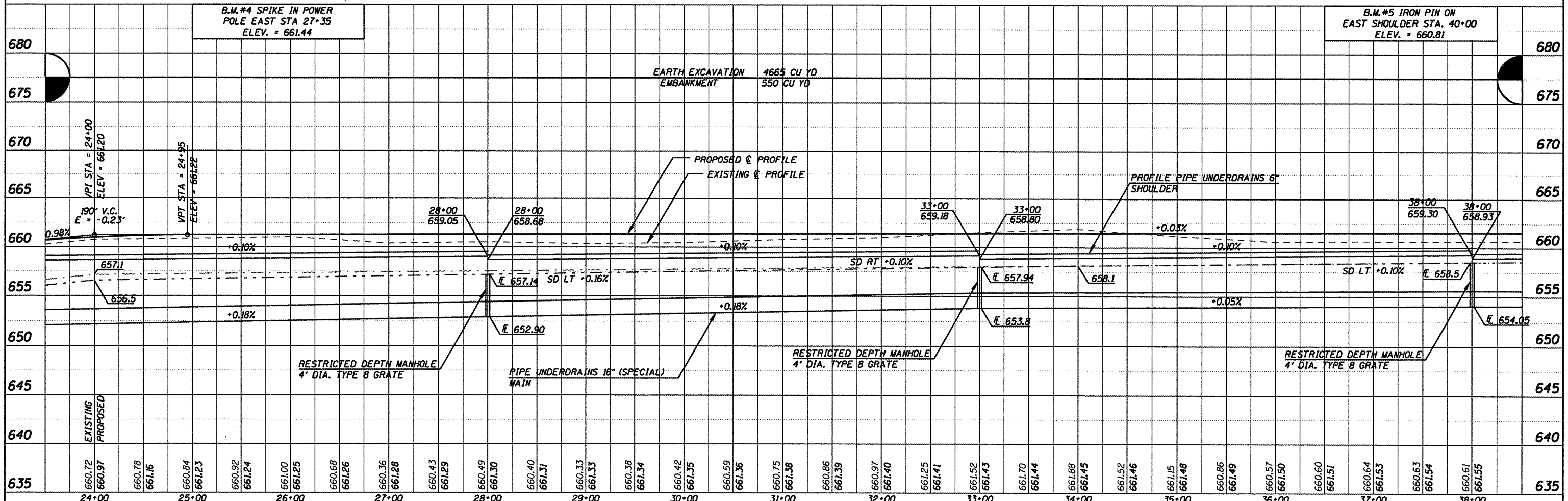
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JOHN M. KEILMAN & FERN L. KEILMAN
REVOCABLE LIVING TRUST
SEC 10, T13N, R4E, 3RD PM

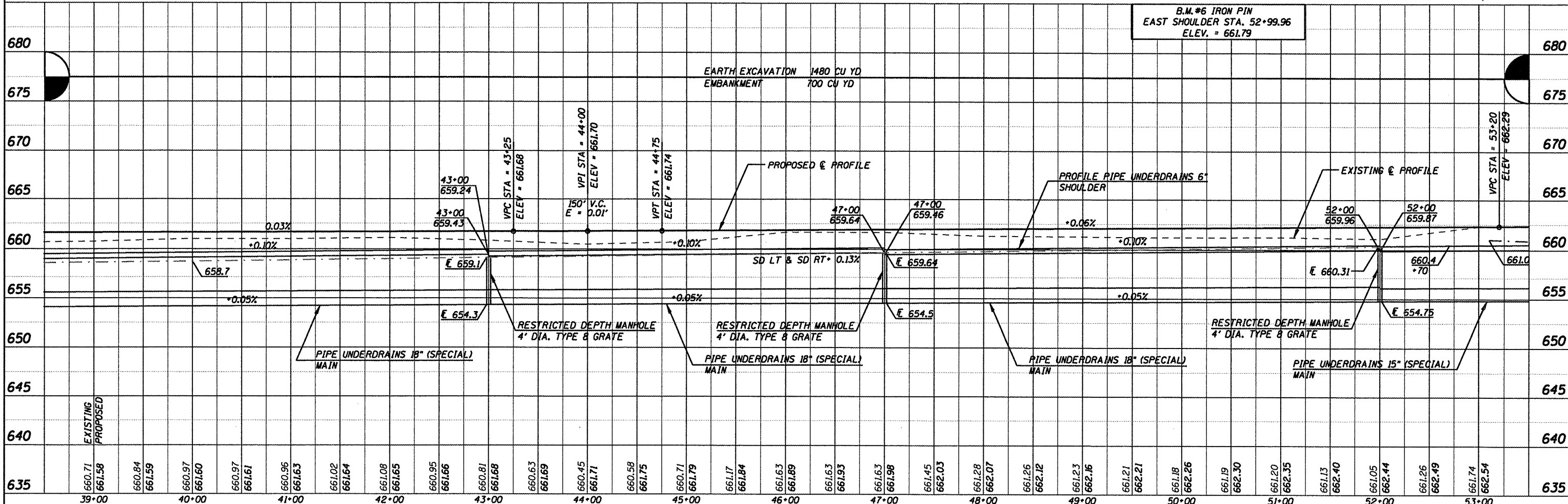
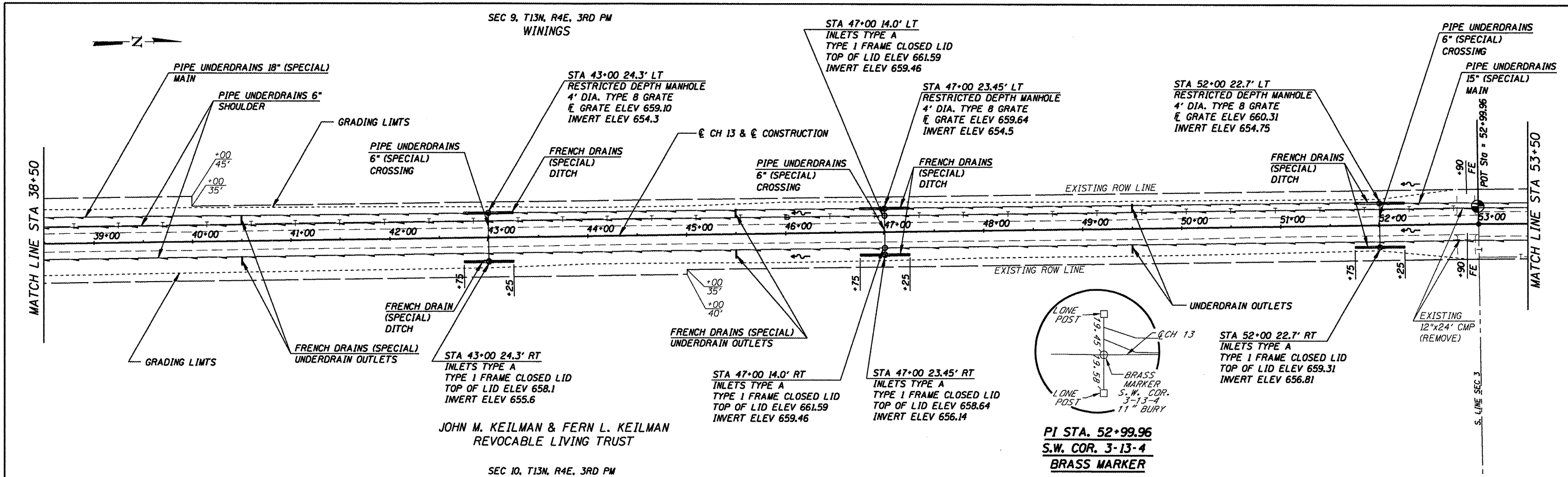
PI STA. 26+52.62
WEST 1/4 10-13-4
BRASS MARKER



CUMMINS ENGINEERING CORPORATION	JOB = 2096.1	DESIGNED - NAK	REVISED -	MOULTRIE COUNTY BETHANY FINDLAY RD. IMPROVEMENTS	PLAN & PROFILE - CH 13	F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
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	PLOT DATE = 12/22/2008	DATE = 10/08/2008	REVISED -			FED. ROAD DIST. NO.	ILLINOIS FED. AID PROJECT			

DATE	
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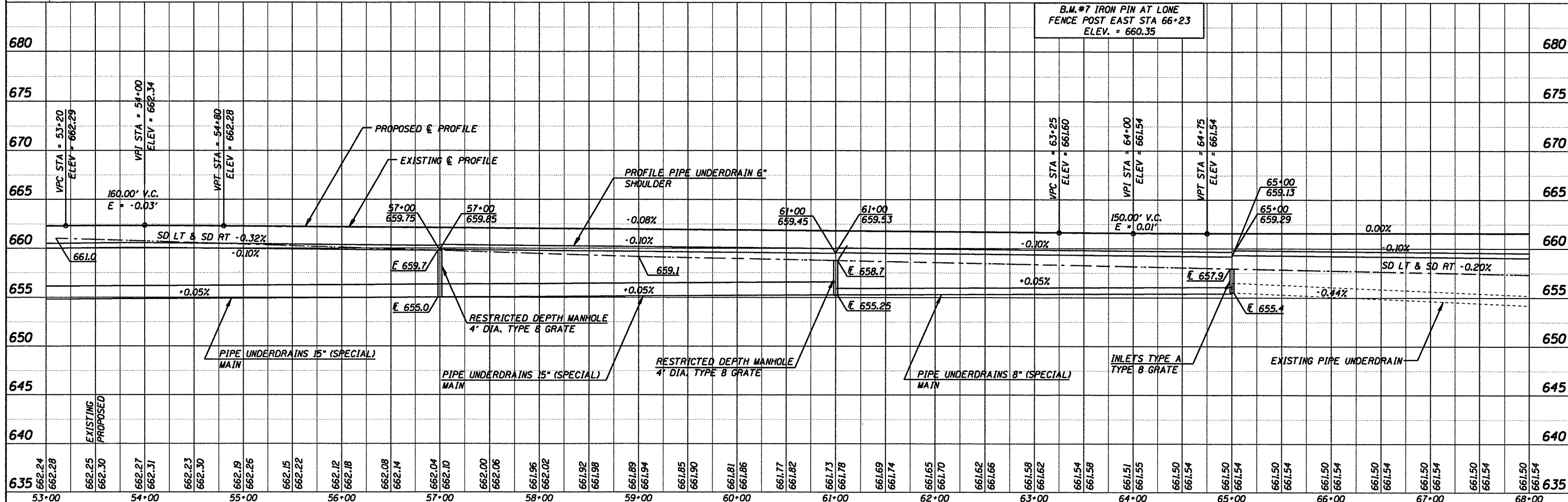
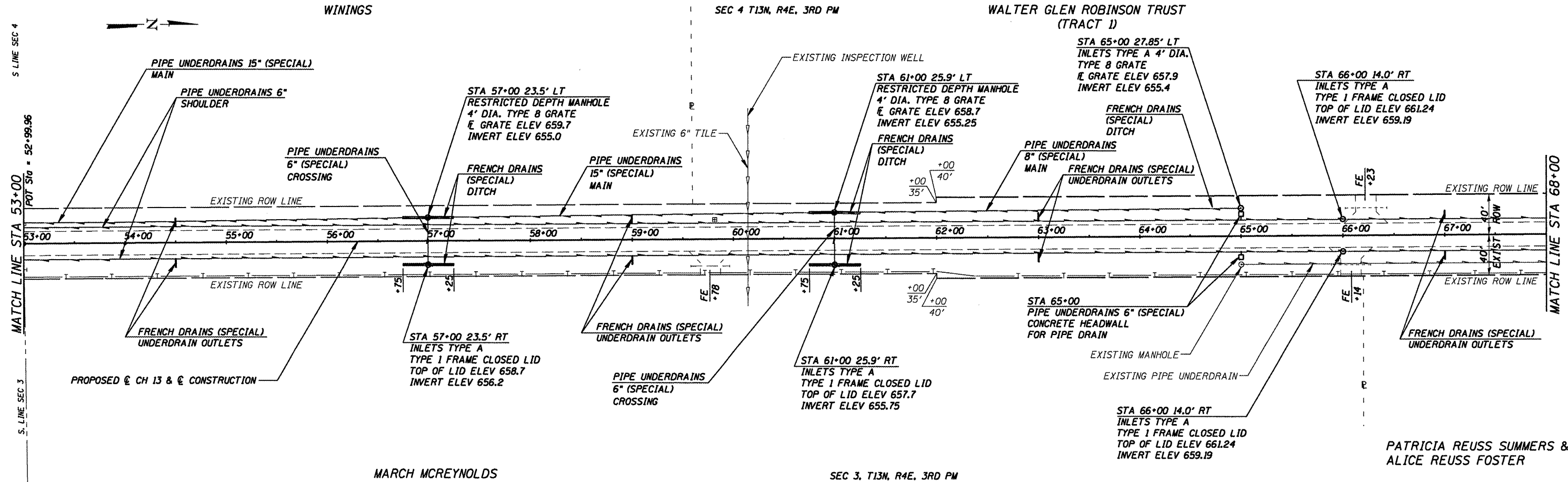
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CUMMINS ENGINEERING CORPORATION	JOB = 2096.1	DESIGNED - NAK	REVISED -	MOULTRIE COUNTY BETHANY FINDLAY RD. IMPROVEMENTS	PLAN & PROFILE - CH 13	SCALE: SHEET NO. OF SHEETS STA. 38+50 TO STA. 53+50	F.A.S. RTE. 650	SECTION 02-00062-01-PV	COUNTY MOULTRIE	TOTAL SHEETS 44	SHEET NO. 10
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	PLOT DATE = 12/22/2008	DATE - 10/08/2008	REVISED -				FED. ROAD DIST. NO. [ILLINOIS] FED. AID PROJECT				

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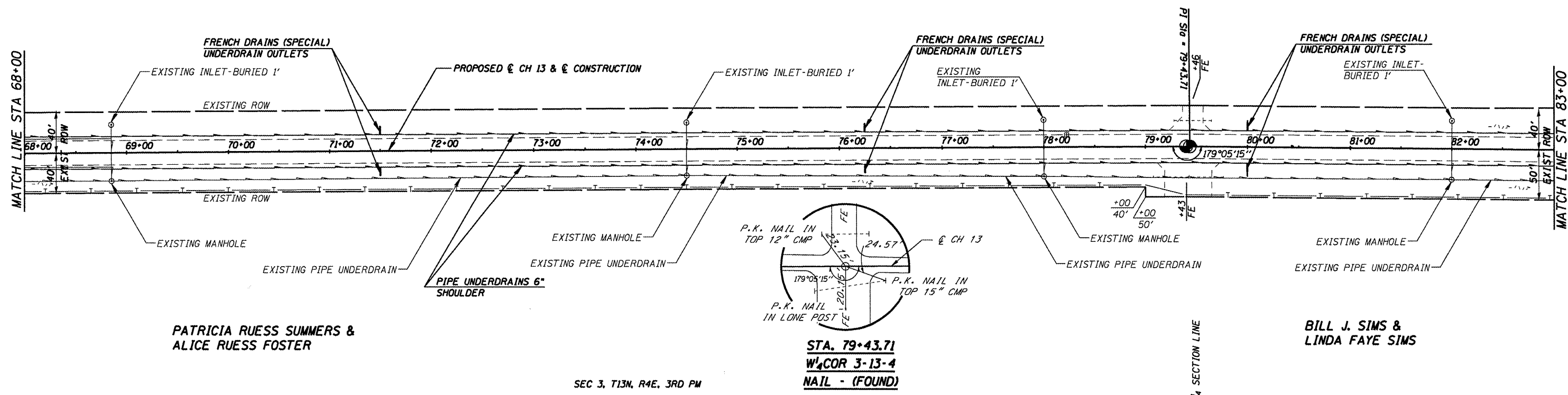
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REVISION	
PLANNED	
NOTED	
NOTED	
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	CH 13, BETHANY FINDLAY RD. CONTRACT NO. 95568				
	FED. ROAD DIST. NO. [ILLINOIS] FED. AID PROJECT				

WALTER GLEN ROBINSON TRUST (TRACT 1)

DATE	
BY	
DESIGNED	
DRAWN	
CHECKED	
DATE	
REVISION	
NO.	

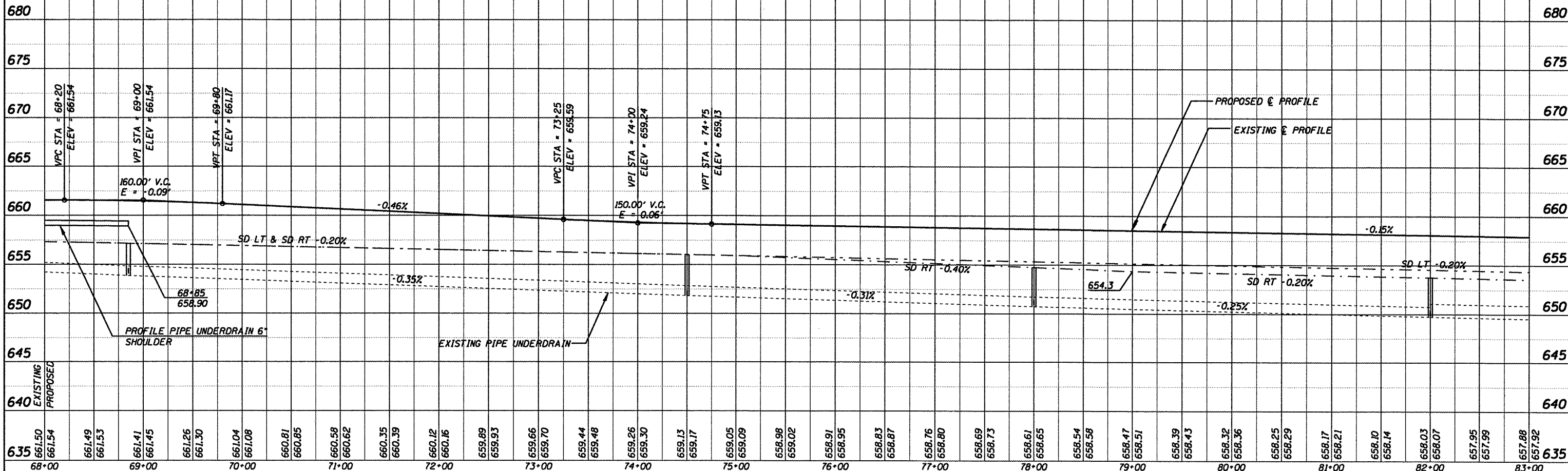


PATRICIA RUESS SUMMERS & ALICE RUESS FOSTER

BILL J. SIMS & LINDA FAYE SIMS

STA. 79+43.71
W₁COR 3-13-4
NAIL - (FOUND)

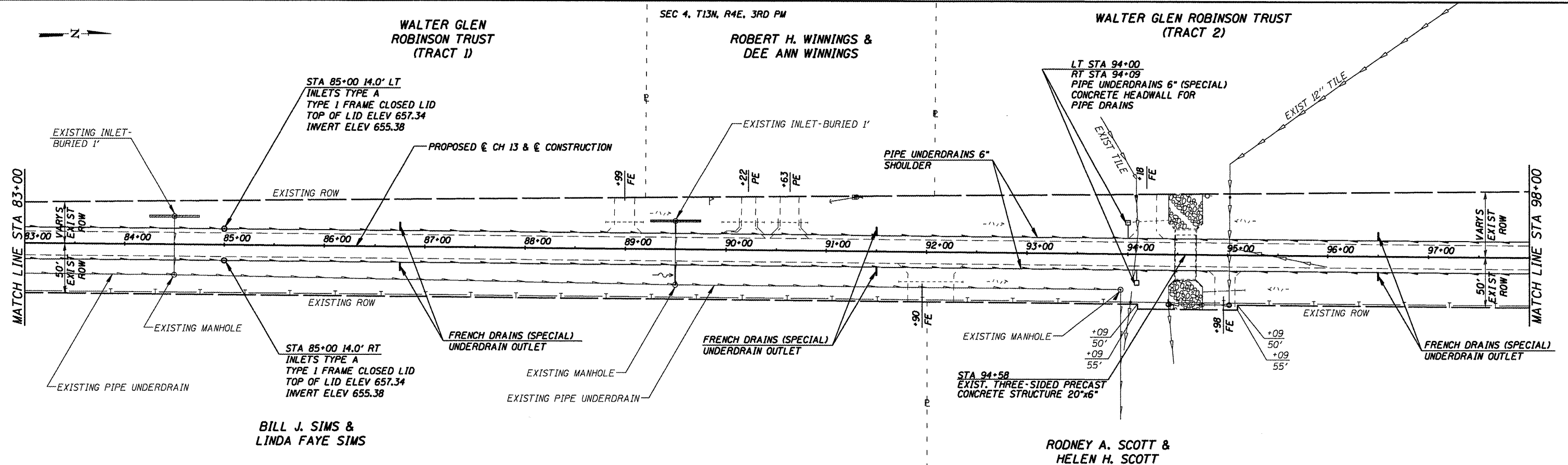
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CUMMINS ENGINEERING CORPORATION JOB = 2096.1 FILE NAME = pp05001.dgn PLOT SCALE = 100.0000' / IN. PLOT DATE = 12/22/2008	DESIGNED - NAK	REVISED -	MOULTRIE COUNTY BETHANY FINDLAY RD. IMPROVEMENTS	PLAN & PROFILE - CH 13		F.A.S. SECTION COUNTY TOTAL SHEETS SHEET NO. 650 02-00062-01-PV MOULTRIE 44 12 CH 13, BETHANY FINDLAY RD. CONTRACT NO. 95568 FED. ROAD DIST. NO. [ILLINOIS] FED. AID PROJECT	
	DRAWN - AJH	REVISED -		SCALE:	SHEET NO. OF SHEETS		STA. 68+00 TO STA. 83+00
	CHECKED - NAK	REVISED -					
	DATE - 10/08/2008	REVISED -					

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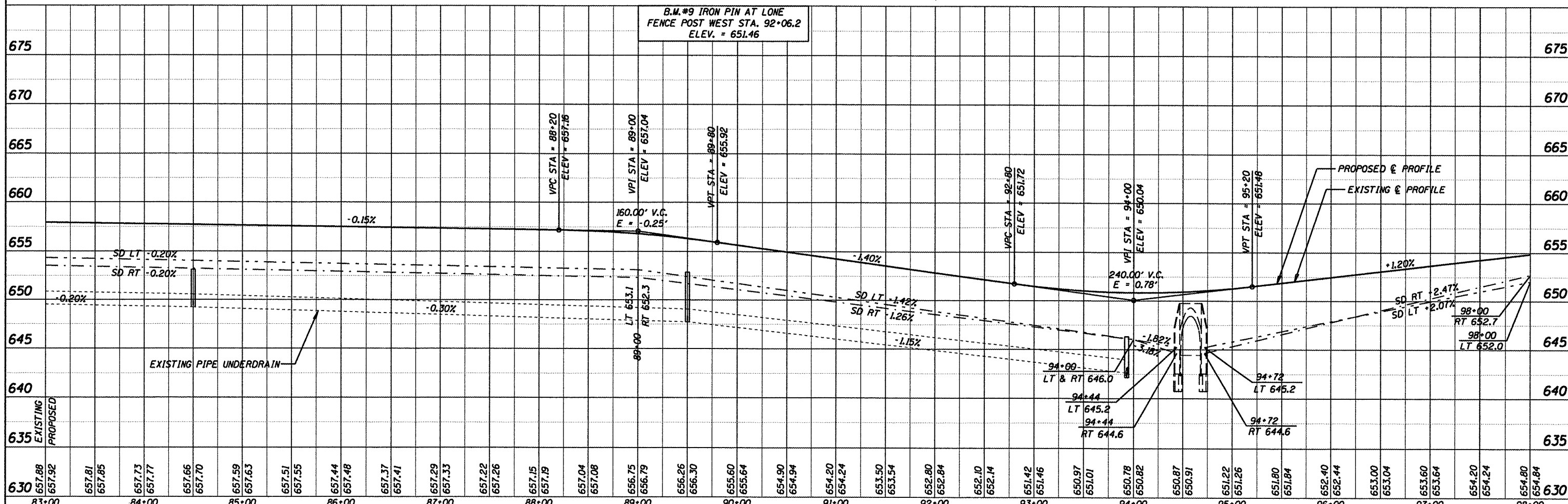


BILL J. SIMS &
LINDA FAYE SIMS

RODNEY A. SCOTT &
HELEN H. SCOTT

SEC 3, T13N, R4E, 3RD PM

B.M. #9 IRON PIN AT LONE
FENCE POST WEST STA. 92+06.2
ELEV. = 651.46



630	635	640	645	650	655	660	665	670	675						
83+00	84+00	85+00	86+00	87+00	88+00	89+00	90+00	91+00	92+00	93+00	94+00	95+00	96+00	97+00	98+00

CUMMINS
ENGINEERING
CORPORATION

JOB = 2096.1
FILE NAME = pp06001.dgn
PLOT SCALE = 1/8" = 100'-0" / IN.
PLOT DATE = 12/22/2008

DESIGNED - NAK
DRAWN - AJH
CHECKED - NAK
DATE - 10/08/2008

REVISED -
REVISED -
REVISED -
REVISED -

MOULTRIE COUNTY
BETHANY FINDLAY RD. IMPROVEMENTS

PLAN & PROFILE - CH 13

SCALE: SHEET NO. OF SHEETS STA. 83+00 TO STA. 98+00

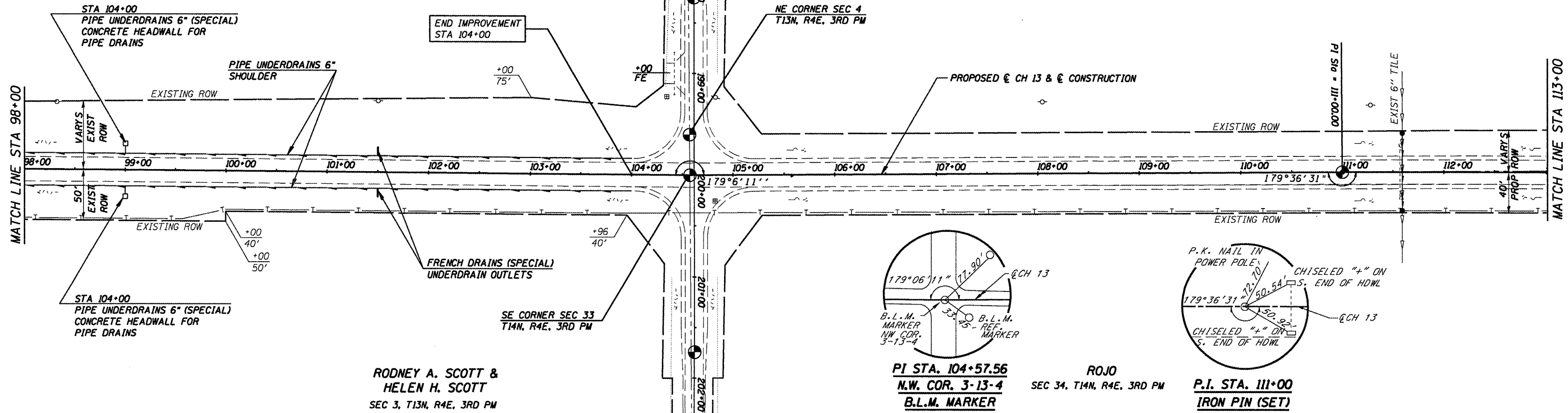
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CH 13, BETHANY FINDLAY RD.		CONTRACT NO. 95568		
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		

DATE	
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REVISIONS	
1. PLOTTED	
2. ALIGNED	
3. CHECKED	
4. MARKED	
5. FILED	
PLAN	
NOTE BOOK	
NO.	

DATE	
BY	
REVISIONS	
1. PLOTTED	
2. GRADES CHECKED	
3. STRUCTURE NOTATIONS OK'D	
PROFILE	
NOTE BOOK	
NO.	

SEC 4, T13N, R4E, 3RD PM
WALTER GLEN ROBINSON TRUST
(TRACT 2)

SEC 33, T14N, R4E, 3RD PM
TERRY L. HOGG



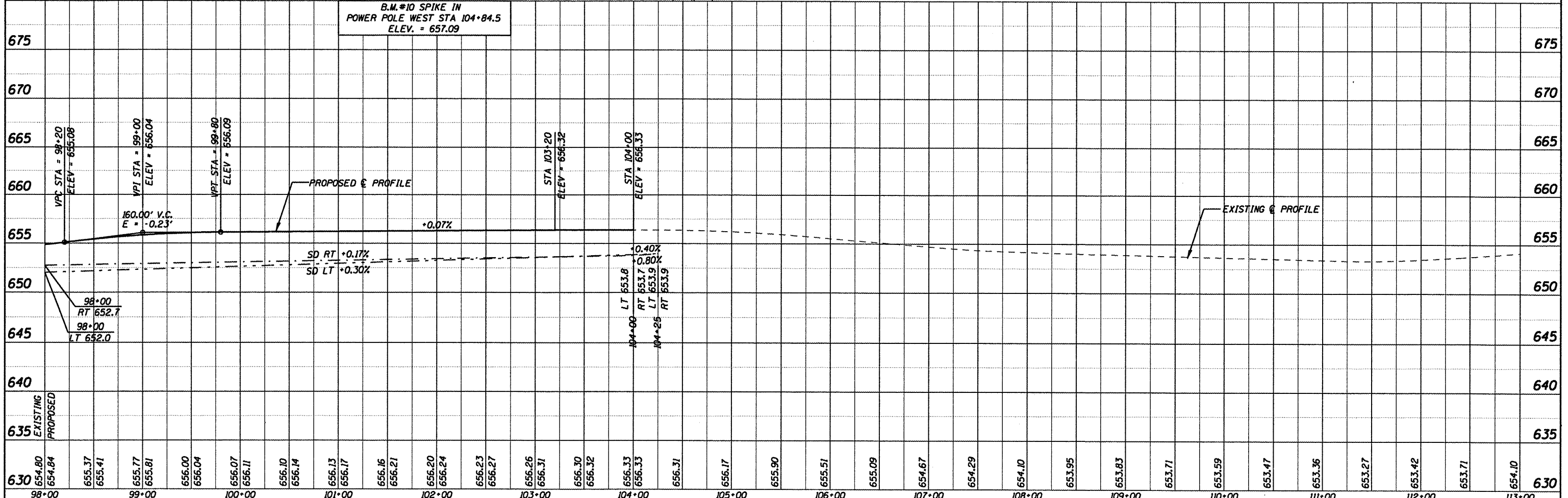
RODNEY A. SCOTT &
HELEN H. SCOTT
SEC 3, T13N, R4E, 3RD PM

PI STA. 104+57.56
N.W. COR. 3-13-4
B.L.M. MARKER

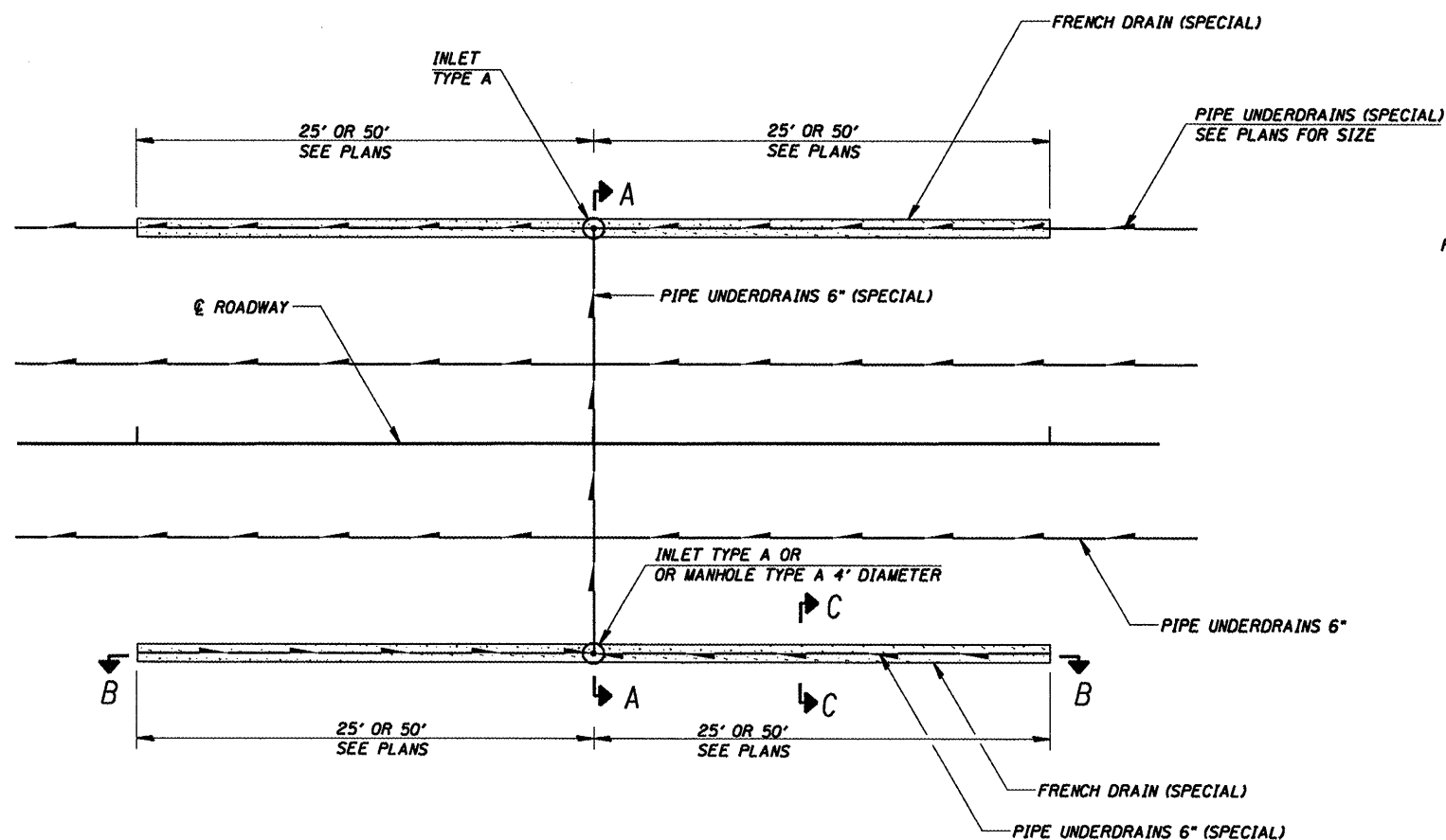
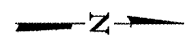
ROJO
SEC 34, T14N, R4E, 3RD PM

P.I. STA. 111+00
IRON PIN (SET)

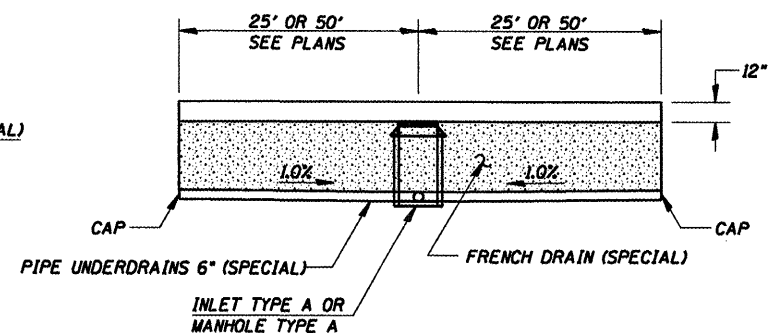
B.M. #10 SPIKE IN
POWER POLE WEST STA 104+84.5
ELEV. = 657.09



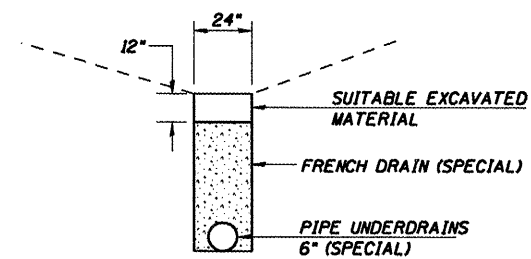
CUMMINS ENGINEERING CORPORATION	JOB = 2096.1	DESIGNED - NAK	REVISED -	MOULTRIE COUNTY BETHANY FINDLAY RD. IMPROVEMENTS	PLAN & PROFILE - CH 13		F.A.S. RTE. 650	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
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	PLOT DATE = 12/22/2008	DATE - 10/08/2008	REVISED -		SCALE: SHEET NO. OF SHEETS STA. 98+00 TO STA. 113+00			FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT			



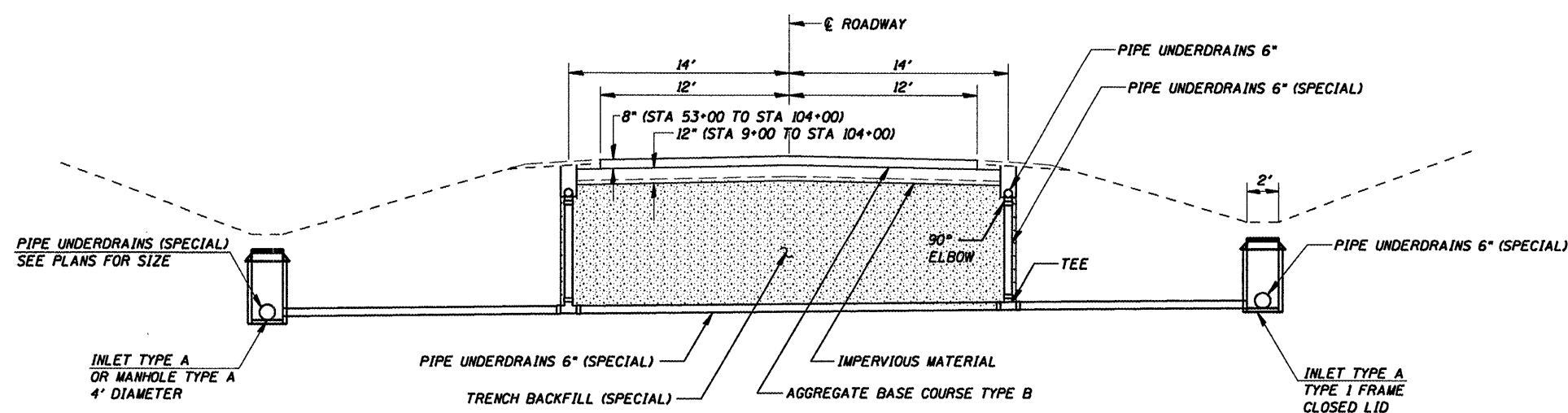
PLAN



SECTION B-B



SECTION C-C



SECTION A-A
(Looking North)

NOTES

- BACKFILL MATERIAL FOR TRENCH BACKFILL (SPECIAL) AND FOR FRENCH DRAINS (SPECIAL) SHALL BE CA 14 WASHED GRAVEL.
- SIDE WALLS OF TRENCHES FOR TRENCH BACKFILL (SPECIAL) AND FRENCH DRAIN (SPECIAL) SHALL BE LINED WITH GEOTECHNICAL FABRIC FOR FRENCH DRAINS AS SPECIFIED IN ARTICLE 601.06 OF THE STANDARD SPECIFICATIONS.
- THE TOP 12 INCHES OF BACKFILL FOR PROPOSED CROSS ROAD UNDERDRAINS SHALL BE COMPACTED EARTH TO MATCH THE PROPOSED SUBGRADE ELEVATION. BACKFILL AT EXISTING CROSS ROAD UNDERDRAINS (STA 68+85 TO STA 89+50) SHALL BE REMOVED 20" DEEP AND REPLACED WITH MATERIAL TO MATCH THE EXISTING ROADWAY CROSS SECTION (12" COMPACTED EARTH, 8" CA 6). THE TOP 20 INCHES OF TRENCHES AT STA 57+00 AND STA 61+00 SHALL BE BACKFILLED WITH 12" OF COMPACTED EARTH AND 8" AGGREGATE BASE COURSE TYPE B. THIS WORK SHALL BE INCLUDED IN THE COST FOR AGGREGATE BASE COURSE TYPE B.

CUMMINS
ENGINEERING
CORPORATION

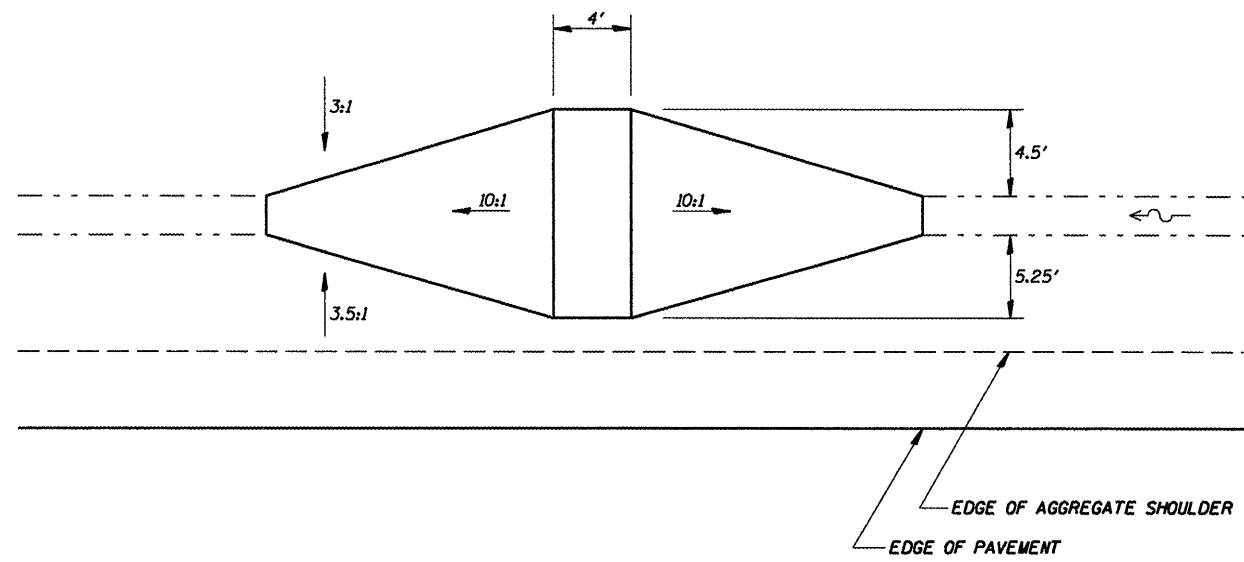
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PLOT DATE = 12/22/2008	DATE - 10/08/2008	REVISED -

MOULTRIE COUNTY
BETHANY FINDLAY RD. IMPROVEMENTS

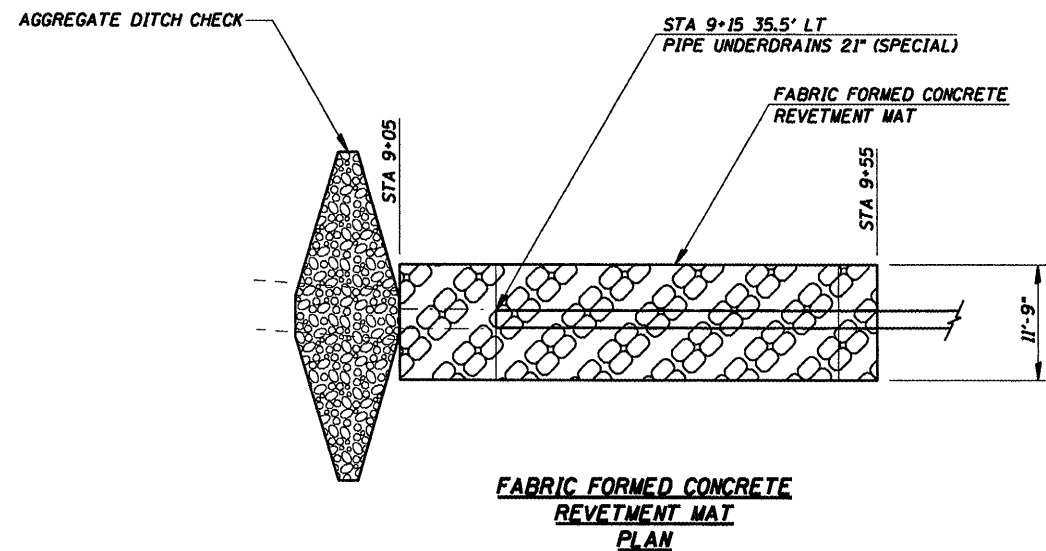
BACKFILL DETAILS

SCALE: SHEET NO. OF SHEETS STA. TO STA.

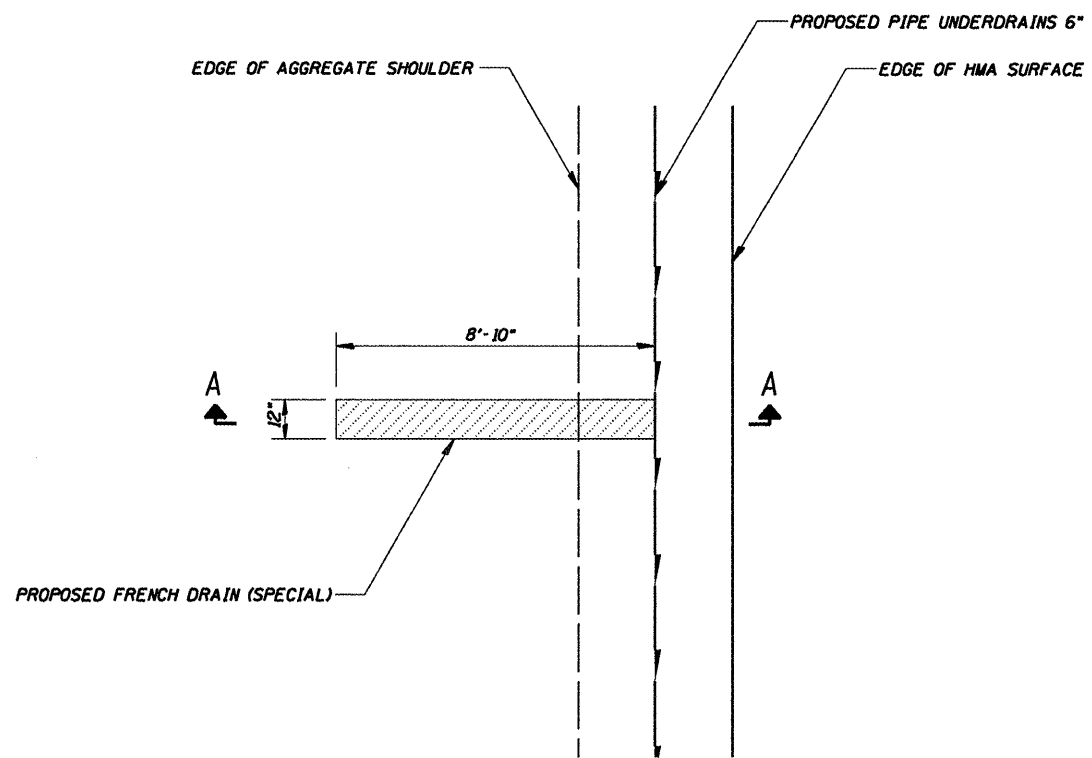
F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
650	02-00062-01-PV	MOULTRIE	44	15
CH 13, BETHANY FINDLAY RD.		CONTRACT NO. 95568		
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT				



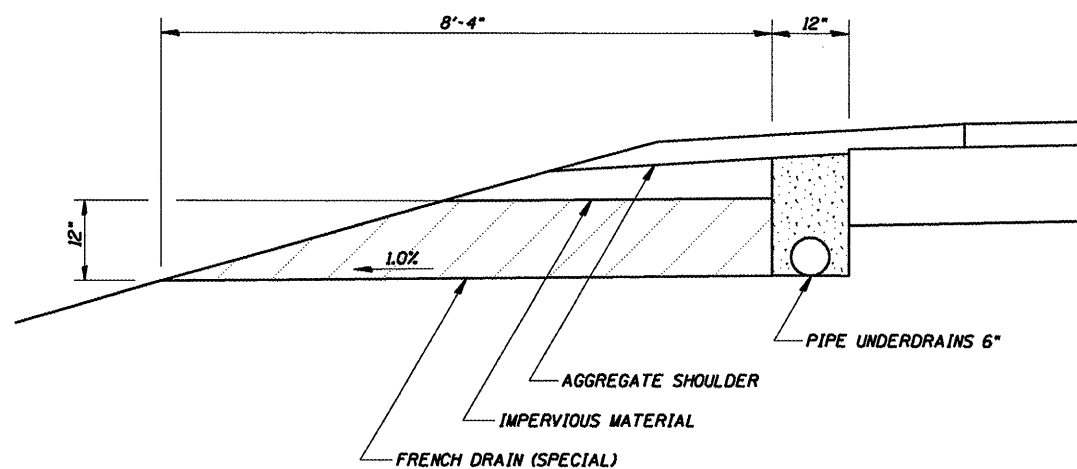
EARTH DITCH CHECK PLAN



FABRIC FORMED CONCRETE REVETMENT MAT PLAN



FRENCH DRAIN PLAN



FRENCH DRAIN PLAN

NOTES

1. COST FOR EARTH DITCH CHECK SHALL BE INCLUDED IN THE COST FOR EARTH EXCAVATION.
2. FABRIC FORMED CONCRETE REVETMENT MAT SHALL BE CONSTRUCTED AS DETAILED ON STANDARD 285001.
3. FRENCH DRAINS (SPECIAL) SHALL BE CONSTRUCTED WITH CA 14 WASHED GRAVEL. GEOTECHNICAL FABRIC FOR FRENCH DRAINS WILL NOT BE REQUIRED.
4. PIPE UNDERDRAINS 6" SHALL BE CONSTRUCTED AS DETAILED ON STANDARD 601001. BACKFILL SHALL BE CA 14 WASHED GRAVEL AND SHALL BE INCLUDED IN THE COST FOR PIPE UNDERDRAINS 6".
5. AGGREGATE DITCH CHECK SHALL BE CONSTRUCTED AS DETAILED ON STANDARD 280001. MATERIAL SHALL BE RR5.

CUMMINS ENGINEERING CORPORATION

JOB = 2096.1	DESIGNED - NAK	REVISED -
FILE NAME = detail.dgn	DRAWN - AJH	REVISED -
PLOT SCALE = 20,0000 Ft / IN.	CHECKED - NAK	REVISED -
PLOT DATE = 12/22/2008	DATE - 10/08/2008	REVISED -

**MOULTRIE COUNTY
BETHANY FINDLAY RD. IMPROVEMENTS**

DRAINAGE DETAILS

SCALE: SHEET NO. OF SHEETS STA. TO STA.

F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
650	02-00062-01-PV	MOULTRIE	44	16
CH 13, BETHANY FINDLAY RD.		CONTRACT NO. 95568		
FED. ROAD DIST. NO. [ILLINOIS] FED. AID PROJECT				



LEGEND

	INLET & PIPE PROTECTION
	TEMPORARY DITCH CHECK
	PROPOSED CULVERT
	SEEDING, CLASS 2 (SPECIAL)

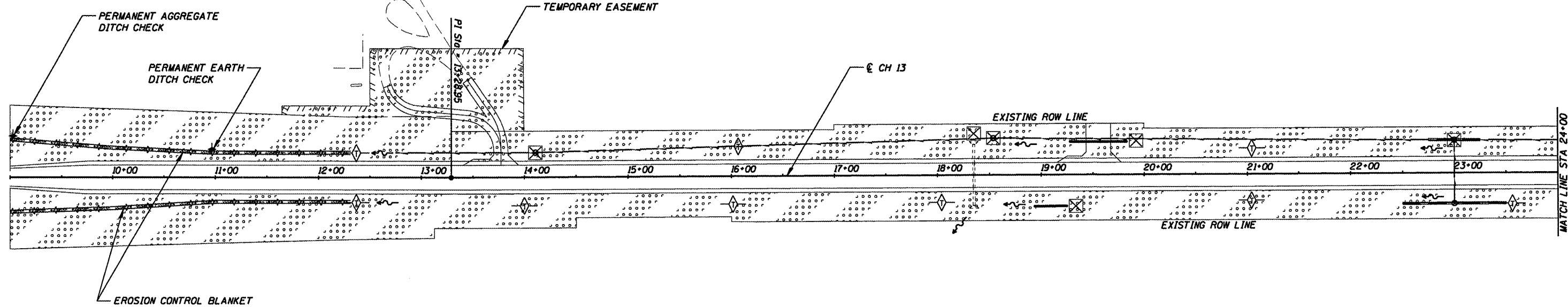
STA 9+00 TO STA 24+00

SEEDING CLASS 2 (SPECIAL)	2.6 ACRES
TEMPORARY EROSION CONTROL SEEDING	260 POUNDS
TEMPORARY DITCH CHECK	9 EACH
INLET AND PIPE PROTECTION	6 EACH

EROSION CONTROL BLANKET

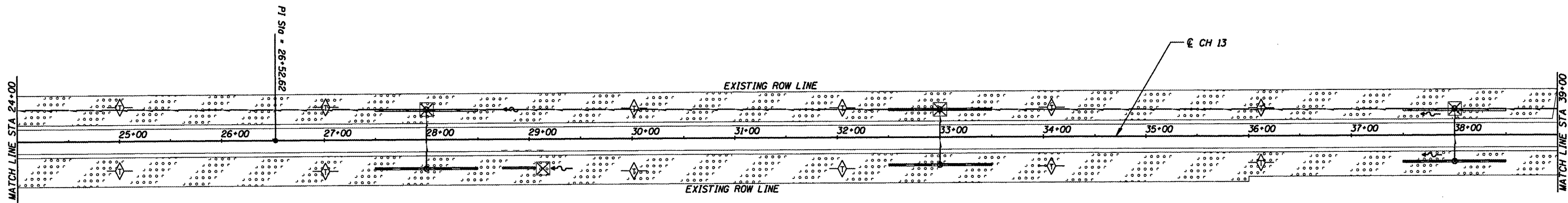
LOCATION	WIDTH	SQ YD
LT STA 9+00 TO STA 15+00	8	534
RT STA 9+55 TO STA 13+30	8	334
TOTAL		868

DISTURBED AREAS SHALL BE TEMPORARILY SEEDED AS SPECIFIED IN SECTION 280 OF THE STANDARD SPECIFICATIONS



STA 24+00 TO STA 39+00

SEEDING CLASS 2 (SPECIAL)	1.96 ACRES
TEMPORARY EROSION CONTROL SEEDING	196 POUNDS
TEMPORARY DITCH CHECK	12 EACH
INLET AND PIPE PROTECTION	4 EACH



**CUMMINS
ENGINEERING
CORPORATION**

JOB = 2096.1	DESIGNED - NAK	REVISED -
FILE NAME = 096erosion.dgn	DRAWN - AJH	REVISED -
PLOT SCALE = 100.000' / IN.	CHECKED - NAK	REVISED -
PLOT DATE = 12/22/2008	DATE - 10/15/2008	REVISED -

**MOULTRIE COUNTY
BETHANY FINDLAY RD. IMPROVEMENTS**

EROSION CONTROL PLAN

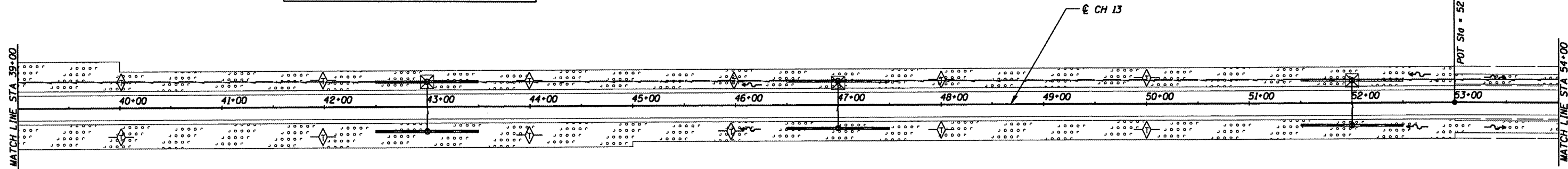
SCALE: SHEET NO. OF SHEETS STA. 9+00 TO STA. 39+00

F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
650	02-00062-01-PV	MOULTRIE	44	17
CH 13, BETHANY FINDLAY RD.		CONTRACT NO. 95568		
FED. ROAD DIST. NO. [ILLINOIS] FED. AID PROJECT				

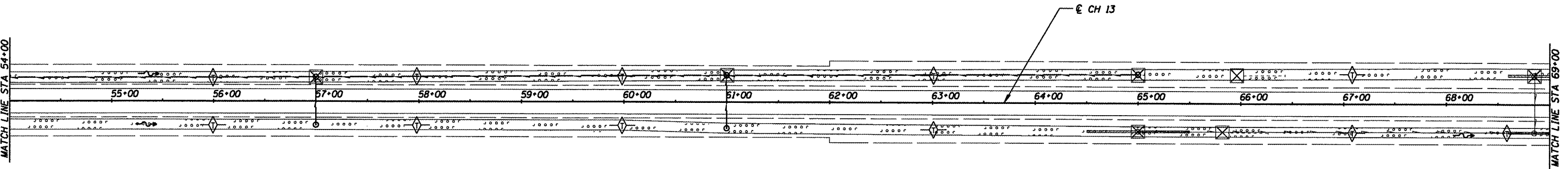
LEGEND

	INLET & PIPE PROTECTION
	TEMPORARY DITCH CHECK
	PROPOSED CULVERT
	SEEDING, CLASS 2 (SPECIAL)

STA 39+00 TO STA 54+00
 SEEDING CLASS 2 (SPECIAL) 0.69 ACRES
 TEMPORARY EROSION CONTROL SEEDING 69 POUNDS
 TEMPORARY DITCH CHECK 12 EACH
 INLET AND PIPE PROTECTION 3 EACH



STA 54+00 TO STA 69+00
 SEEDING CLASS 2 (SPECIAL) 0.69 ACRES
 TEMPORARY EROSION CONTROL SEEDING 69 POUNDS
 TEMPORARY DITCH CHECK 11 EACH
 INLET AND PIPE PROTECTION 7 EACH



**CUMMINS
 ENGINEERING
 CORPORATION**

JOB = 2096.1	DESIGNED - NAK	REVISED -
FILE NAME = 096erosion.dgn	DRAWN - AJH	REVISED -
PLOT SCALE = 100.000' / IN.	CHECKED - NAK	REVISED -
PLOT DATE = 12/22/2008	DATE - 10/15/2008	REVISED -

**MOULTRIE COUNTY
 BETHANY FINDLAY RD. IMPROVEMENTS**

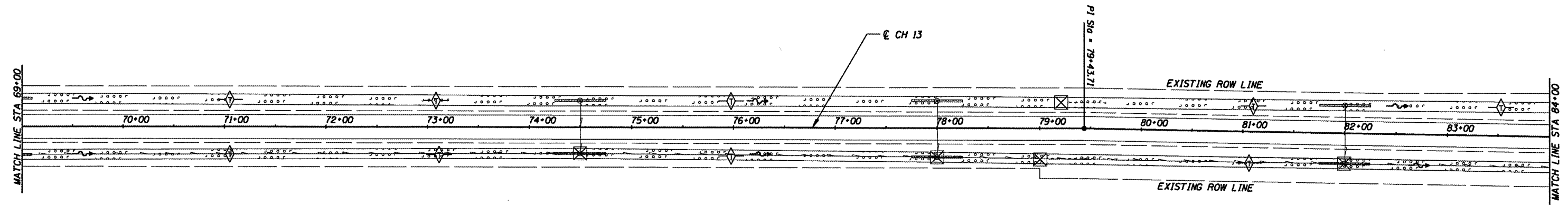
EROSION CONTROL PLAN

SCALE: SHEET NO. OF SHEETS STA. 39+00 TO STA. 69+00

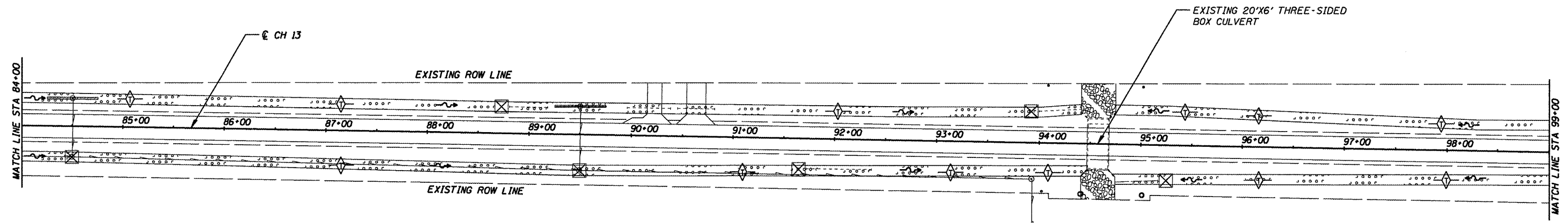
F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
650	02-00062-01-PV	MOULTRIE	44	18
CH 13, BETHANY FINDLAY RD.		CONTRACT NO. 95568		
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		

LEGEND	
	INLET & PIPE PROTECTION
	TEMPORARY DITCH CHECK
	PROPOSED CULVERT
	SEEDING, CLASS 2 (SPECIAL)

STA 69+00 TO STA 84+00	
SEEDING CLASS 2 (SPECIAL)	0.69 ACRES
TEMPORARY EROSION CONTROL SEEDING	69 POUNDS
TEMPORARY DITCH CHECK	9 EACH
INLET AND PIPE PROTECTION	5 EACH



STA 84+00 TO STA 99+00	
SEEDING CLASS 2 (SPECIAL)	0.66 ACRES
TEMPORARY EROSION CONTROL SEEDING	66 POUNDS
TEMPORARY DITCH CHECK	12 EACH
INLET AND PIPE PROTECTION	6 EACH



CUMMINS
ENGINEERING
CORPORATION

JOB = 2096.1	DESIGNED - NAK	REVISED -
FILE NAME = 096erosion.dgn	DRAWN - AJH	REVISED -
PLOT SCALE = 100.000' / IN.	CHECKED - NAK	REVISED -
PLOT DATE = 12/22/2008	DATE - 10/15/2008	REVISED -

MOULTRIE COUNTY
BETHANY FINDLAY RD. IMPROVEMENTS

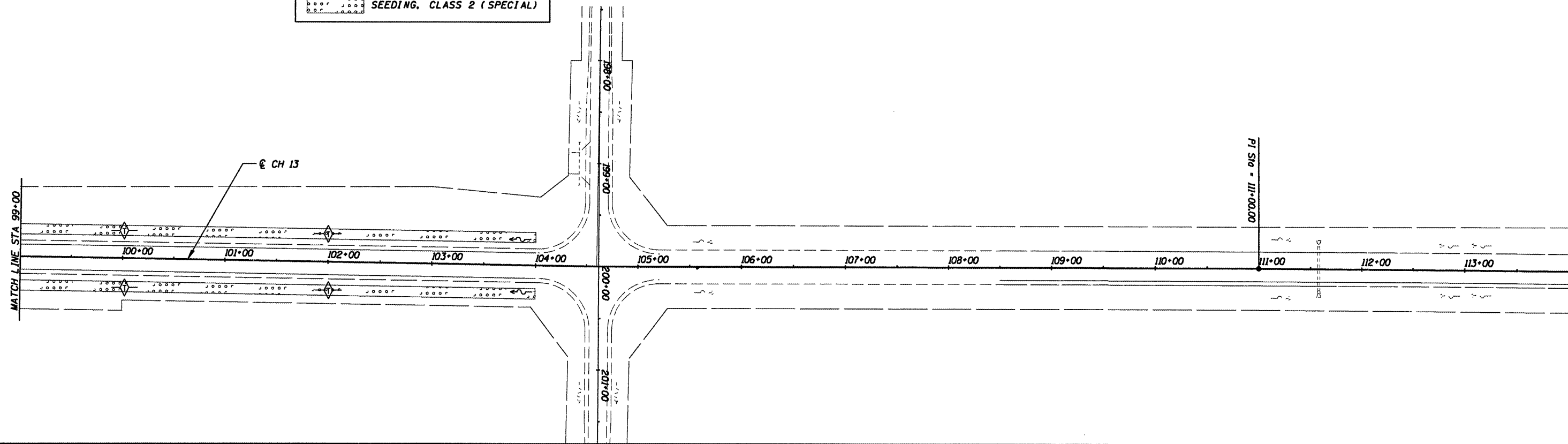
EROSION CONTROL PLAN			
SCALE:	SHEET NO.	OF SHEETS	STA. 69+00 TO STA. 99+00

F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
650	02-00062-01-PV	MOULTRIE	44	19
CH 13, BETHANY FINDLAY RD.		CONTRACT NO. 95568		
FED. ROAD DIST. NO. [ILLINOIS] FED. AID PROJECT				



LEGEND	
	INLET & PIPE PROTECTION
	TEMPORARY DITCH CHECK
	PROPOSED CULVERT
	SEEDING, CLASS 2 (SPECIAL)

STA 99+00 TO STA 104+00
 SEEDING CLASS 2 (SPECIAL) 0.23 ACRES
 TEMPORARY EROSION CONTROL SEEDING 23 POUNDS
 TEMPORARY DITCH CHECK 4 EACH



**CUMMINS
 ENGINEERING
 CORPORATION**

JOB = 2096.1	DESIGNED - NAK	REVISED -
FILE NAME = 098erosion.dgn	DRAWN - AJH	REVISED -
PLOT SCALE = 100.000' / IN.	CHECKED - NAK	REVISED -
PLOT DATE = 12/22/2008	DATE - 10/15/2008	REVISED -

**MOULTRIE COUNTY
 BETHANY FINDLAY RD. IMPROVEMENTS**

EROSION CONTROL PLAN

SCALE: SHEET NO. OF SHEETS STA. 99+00 TO STA. 114+00

F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
650	02-00062-D1-PV	MOULTRIE	44	20
CH 13, BETHANY FINDLAY RD.		CONTRACT NO. 95568		
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		



Curve 1

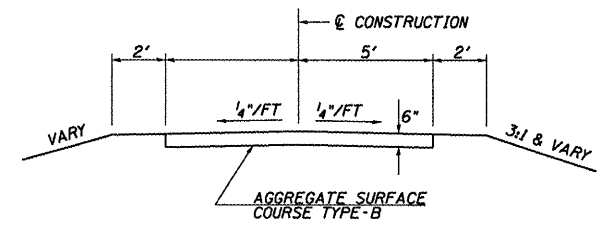
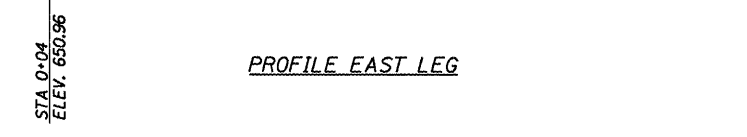
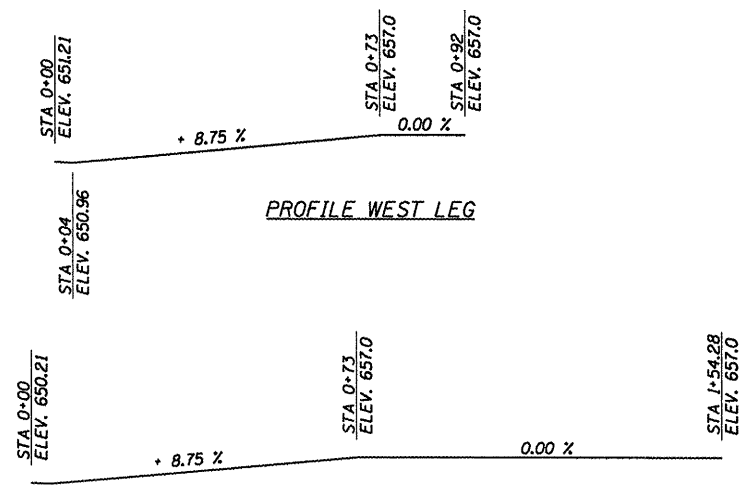
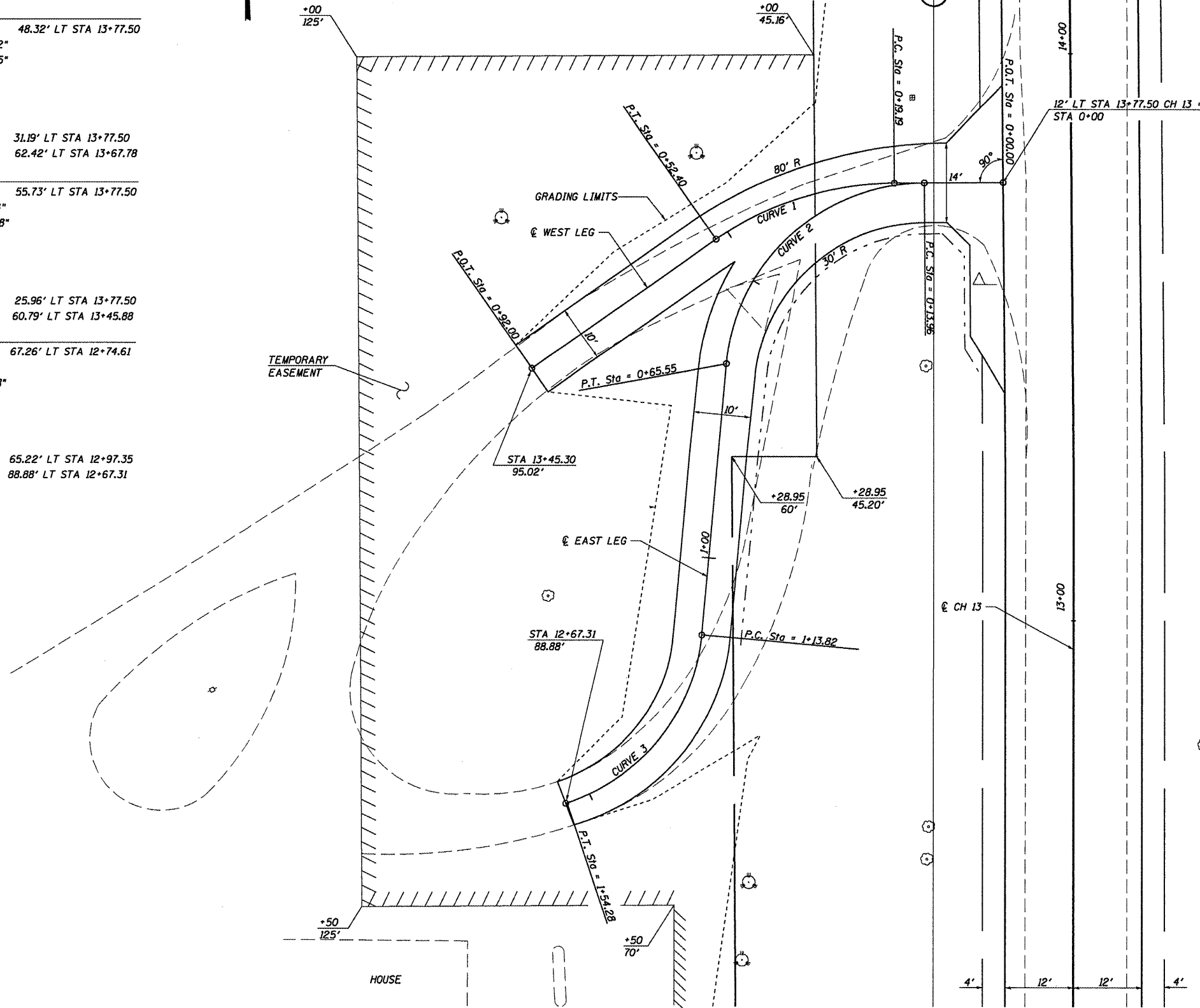
PI	0+36.32	48.32' LT STA 13+77.50
Δ	34° 35' 32"	
D	104° 10' 55"	
T	17.13'	
R	55.00'	
L	33.21'	
E	2.60	
PC	0+19.19	31.19' LT STA 13+77.50
PT	0+52.40	62.42' LT STA 13+67.78

Curve 2

PI	0+45.73	55.73' LT STA 13+77.50
Δ	84° 27' 34"	
D	163° 42' 08"	
T	31.77'	
R	35.00'	
L	51.59'	
E	12.27	
PC	0+13.96	25.96' LT STA 13+77.50
PT	0+65.55	60.79' LT STA 13+45.88

Curve 3

PI	1+36.65	67.26' LT STA 12+74.61
Δ	66° 13' 13"	
D	163° 42' 08"	
T	22.82'	
R	35.00'	
L	40.45'	
E	6.78	
PC	1+13.83	65.22' LT STA 12+97.35
PT	1+54.28	88.88' LT STA 12+67.31



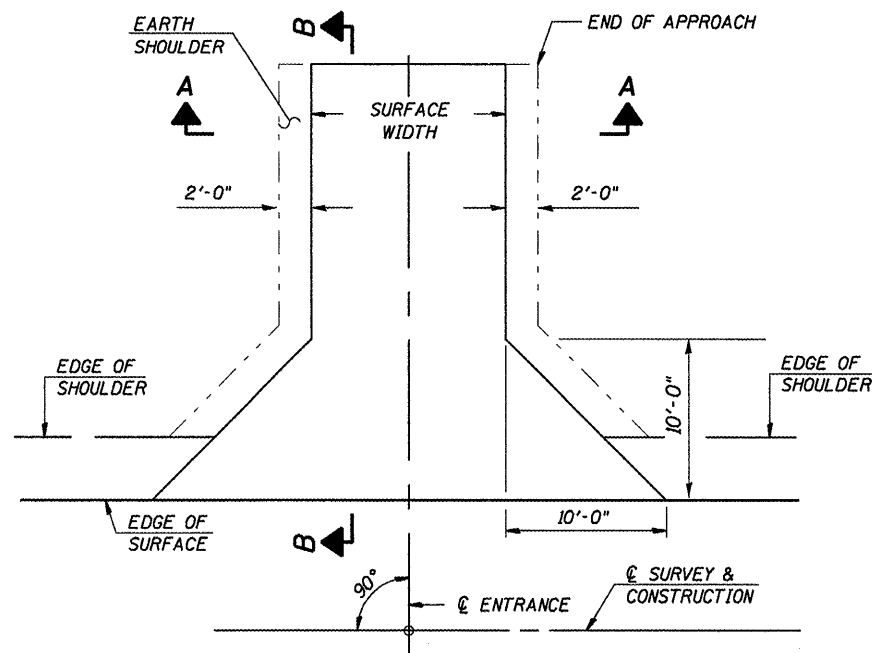
**CUMMINS
ENGINEERING
CORPORATION**

JOB = 2096.1	DESIGNED - NAK	REVISED -
FILE NAME = entrance.dgn	DRAWN - AJH	REVISED -
PLOT SCALE = 21,5873 ft / IN.	CHECKED - NAK	REVISED -
PLOT DATE = 12/22/2008	DATE - 10/15/2008	REVISED -

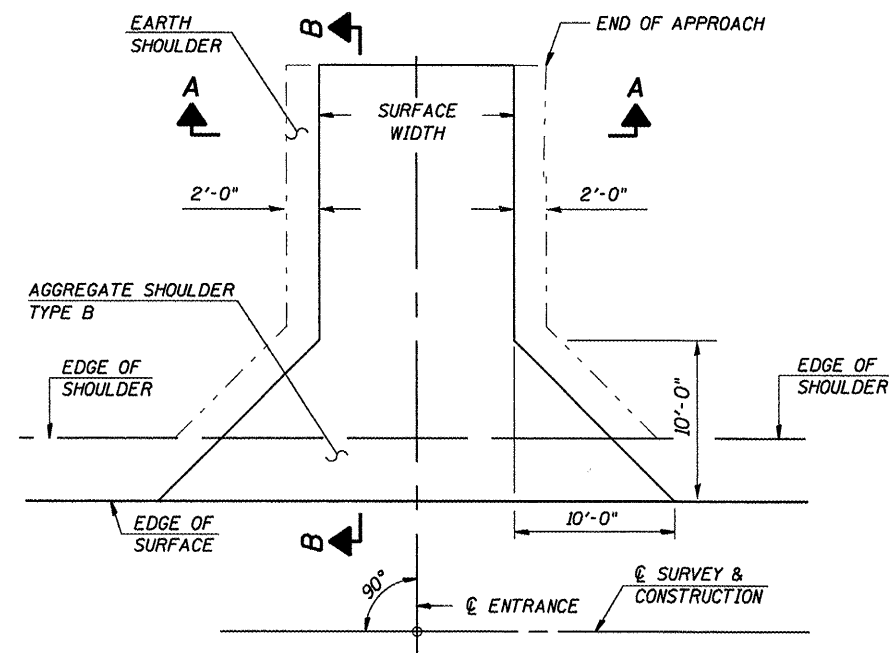
**MOULTRIE COUNTY
BETHANY FINDLAY RD. IMPROVEMENTS**

ENTRANCE DETAIL - LT STA 13 + 77.50

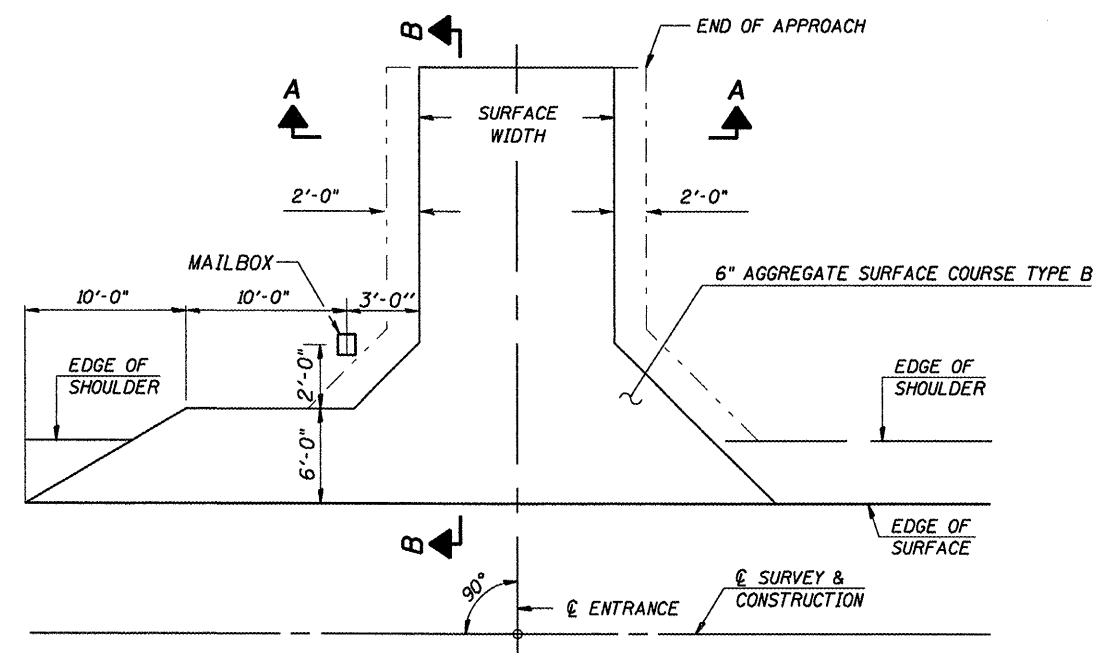
F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
650	02-00062-01-PV	MOULTRIE	44	21
CH 13, BETHANY FINDLAY RD.		CONTRACT NO. 95568		
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		



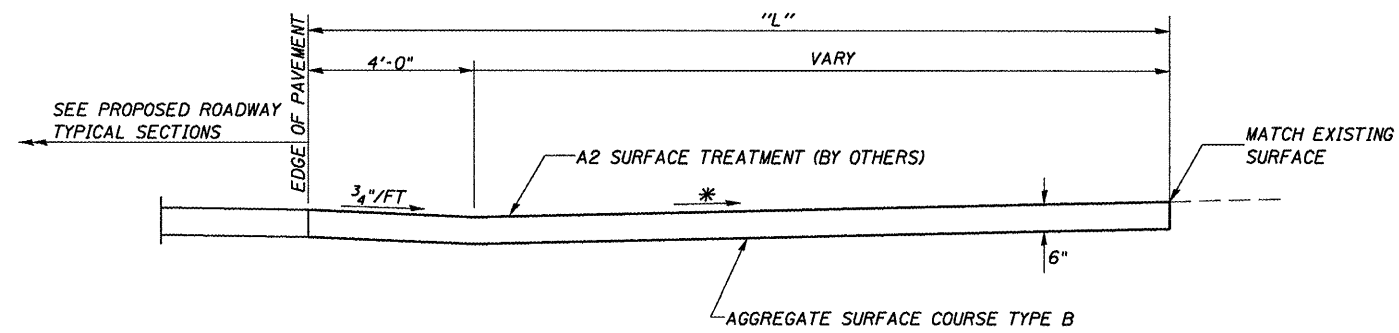
PRIVATE ENTRANCE DETAIL



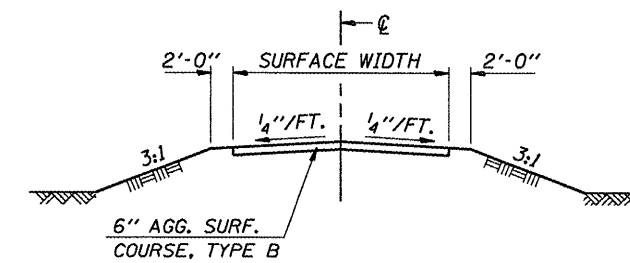
FIELD ENTRANCE DETAIL



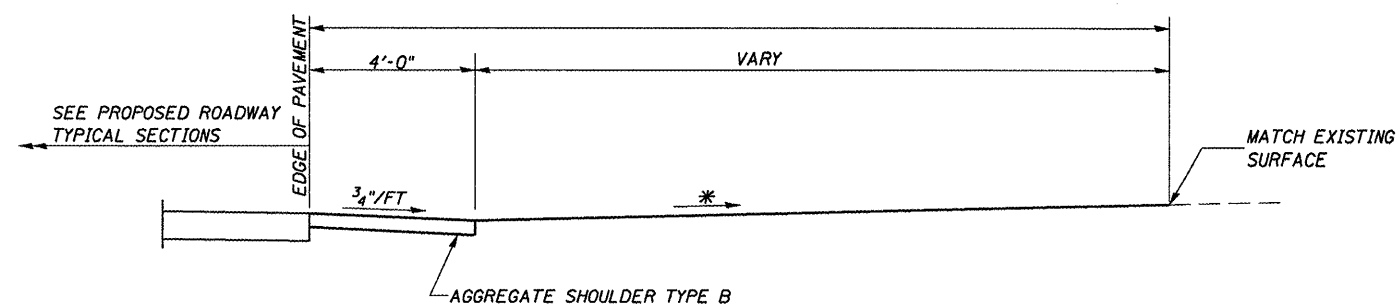
ENTRANCE/MAILBOX TURNOUT DETAIL A



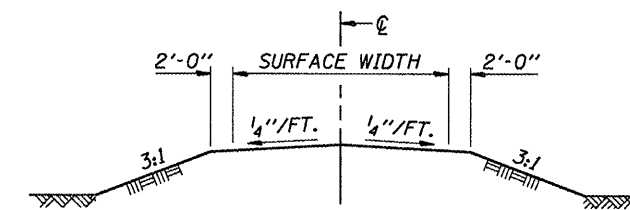
SECTION B-B FOR PRIVATE ENTRANCE



SECTION A-A PE



SECTION B-B FOR FIELD ENTRANCE



SECTION A-A FE

* SEE CROSS SECTIONS FOR SLOPE

CUMMINS ENGINEERING CORPORATION

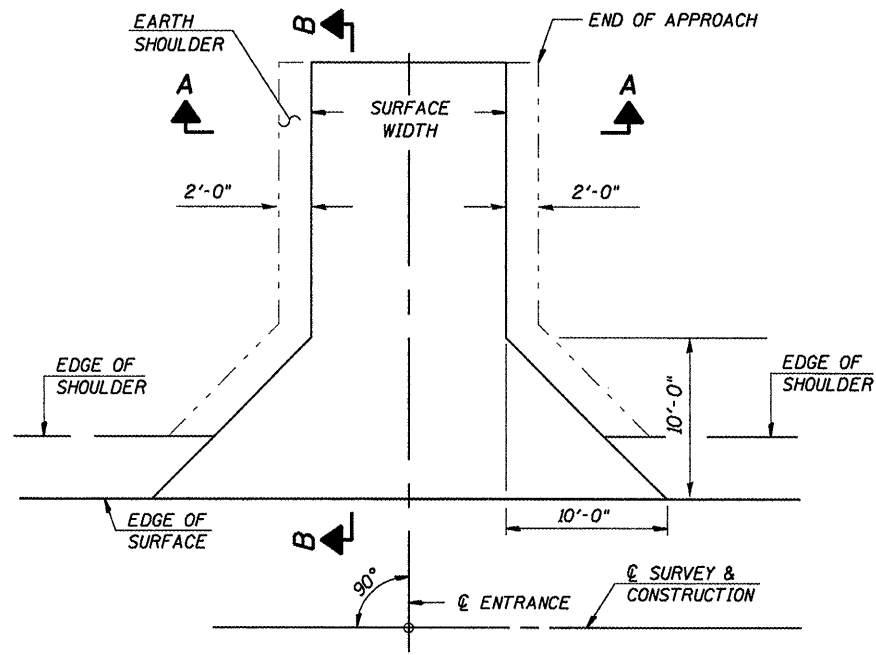
JOB = 2096.1	DESIGNED - NAK	REVISED -
FILE NAME = 2096ent.dgn	DRAWN - AJH	REVISED -
PLOT SCALE = 2.0000' / IN.	CHECKED - NAK	REVISED -
PLOT DATE = 12/22/2008	DATE - 10/08/2008	REVISED -

**MOULTRIE COUNTY
BETHANY FINDLAY RD. IMPROVEMENTS**

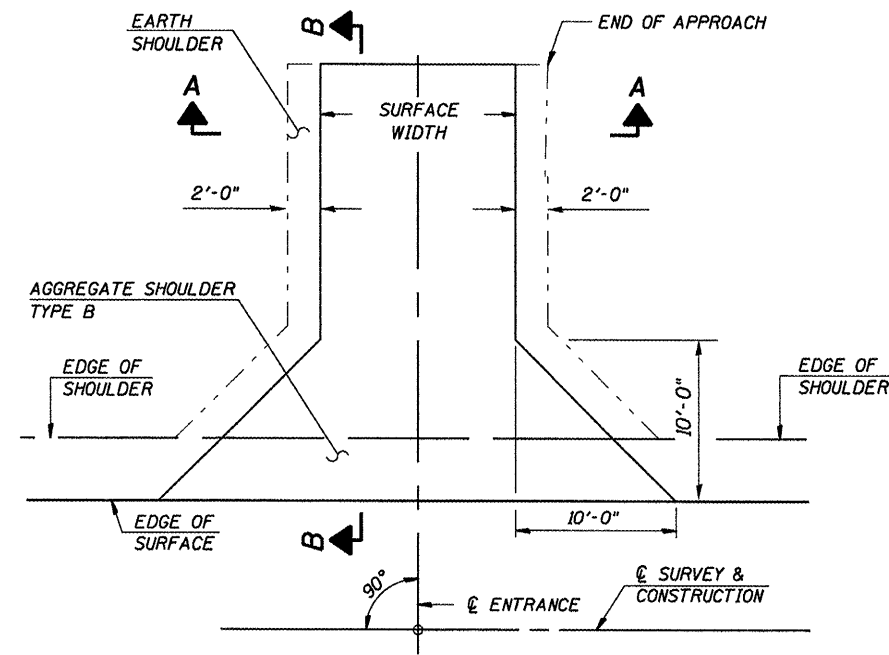
**ENTRANCE AND MAILBOX TURNOUT DETAILS
STA 9+00 TO STA 53+00**

SCALE: SHEET NO. OF SHEETS STA. TO STA.

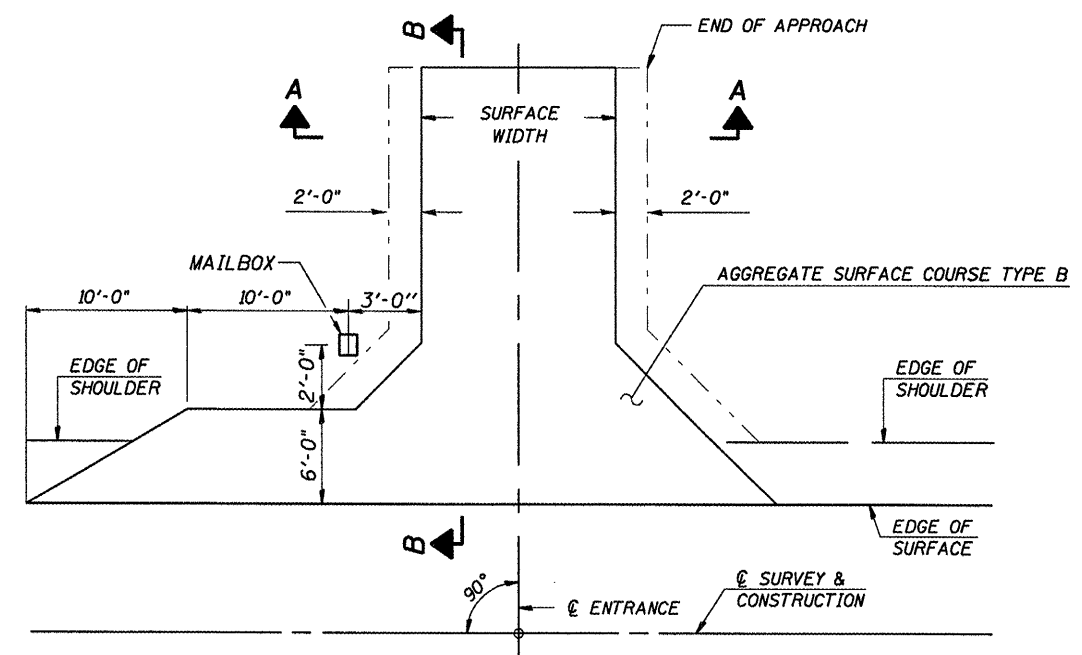
F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
650	02-00062-01-PV	MOULTRIE	44	22
CH 13, BETHANY FINDLAY RD.		CONTRACT NO. 95568		
FED. ROAD DIST. NO. [ILLINOIS] FED. AID PROJECT				



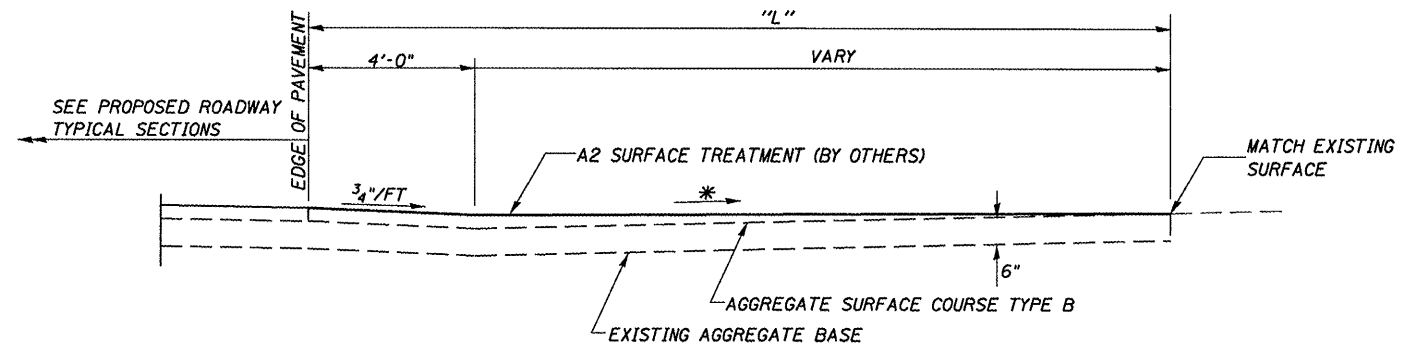
PRIVATE ENTRANCE DETAIL



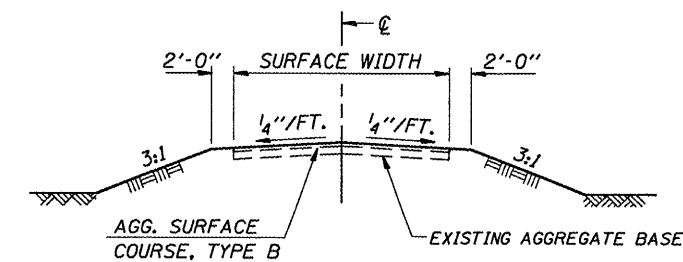
FIELD ENTRANCE DETAIL



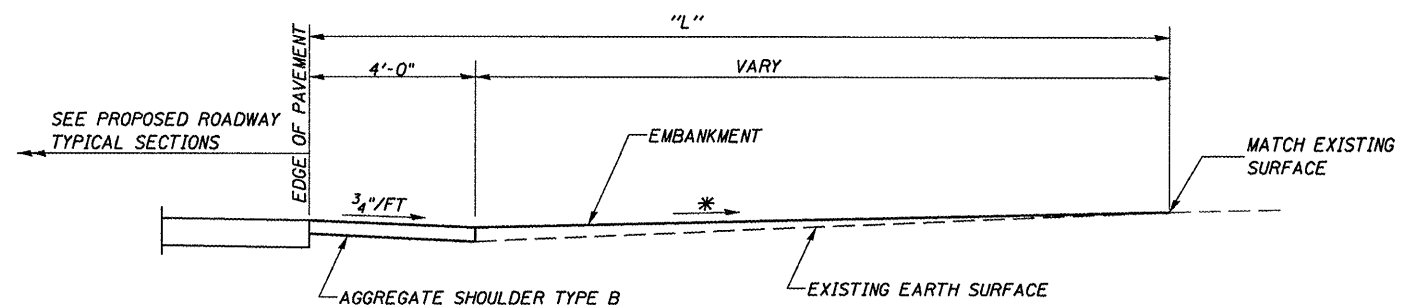
ENTRANCE/MAILBOX TURNOUT DETAIL A



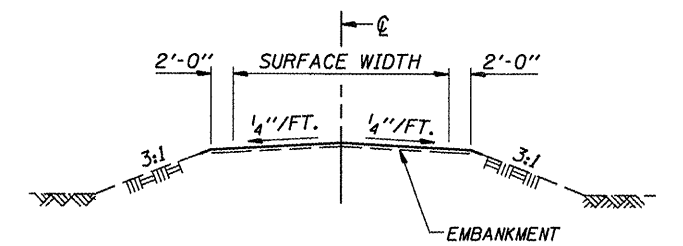
SECTION B-B FOR PRIVATE ENTRANCE



SECTION A-A PE



SECTION B-B FOR FIELD ENTRANCE



SECTION A-A FE

* SEE CROSS SECTIONS FOR SLOPE

CUMMINS ENGINEERING CORPORATION

JOB = 2096.1	DESIGNED - NAK	REVISED -
FILE NAME = 2096ent.dgn	DRAWN - AJH	REVISED -
PLOT SCALE = 2,0000' / IN.	CHECKED - NAK	REVISED -
PLOT DATE = 12/22/2008	DATE - 10/08/2008	REVISED -

**MOULTRIE COUNTY
BETHANY FINDLAY RD. IMPROVEMENTS**

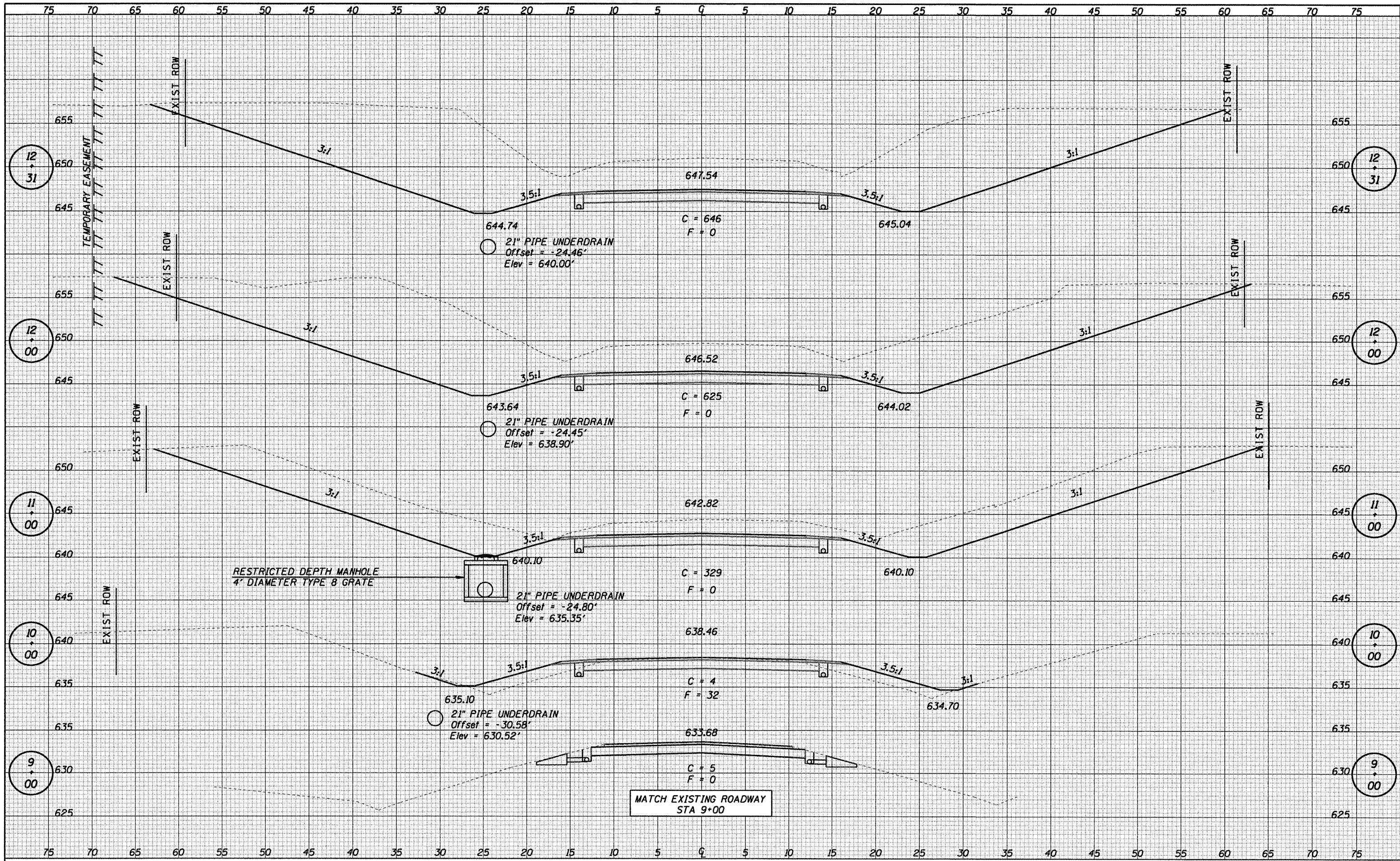
**ENTRANCE AND MAILBOX TURNOUT DETAILS
STA 53+00 TO STA 104+00**

F.A.S. RTE. 650	SECTION 02-00062-01-PV	COUNTY MOULTRIE	TOTAL SHEETS 44	SHEET NO. 23
CH 13, BETHANY FINDLAY RD.		CONTRACT NO. 95568		
FED. ROAD DIST. NO. [ILLINOIS] FED. AID PROJECT				

SCALE: SHEET NO. OF SHEETS STA. TO STA.

DATE	
BY	
FINAL SURVEY	
PLOTTED	
NOTE BOOK	
AREAS CHECKED	
NO.	

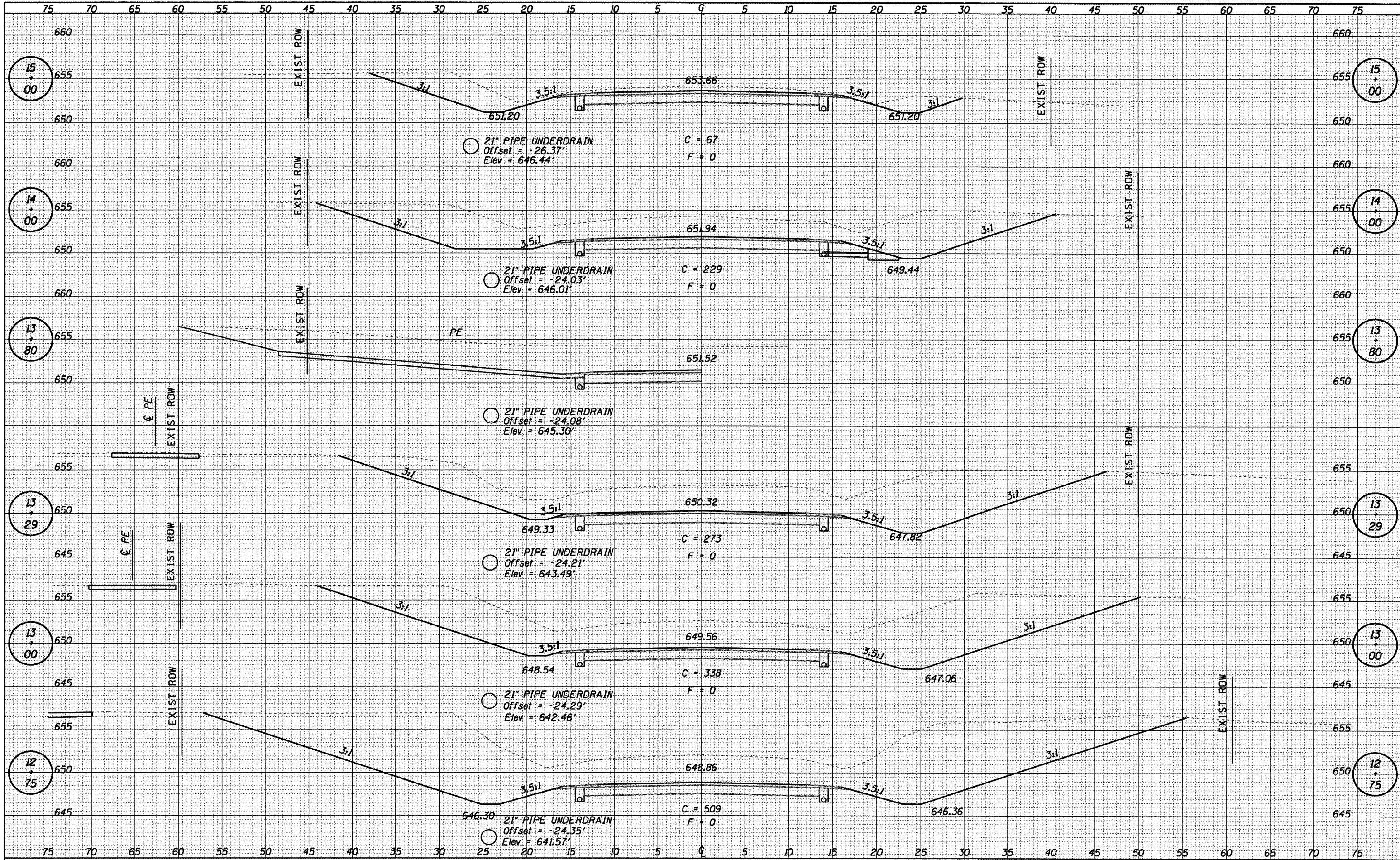
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BY	
ORIGINAL SURVEY	
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NOTE BOOK	
AREAS CHECKED	
NO.	



CUMMINS ENGINEERING CORPORATION JOB - 2096.1 FILE NAME = 2096xsecCH13.dgn PLOT SCALE = 10.00 ft / IN. PLOT DATE = 12/22/2008	DESIGNED - NAK	REVISED -	MOULTRIE COUNTY BETHANY FINDLAY RD. IMPROVEMENTS CROSS SECTIONS - CH 13 SCALE: SHEET NO. OF SHEETS STA. 9+00 TO STA. 12+31	F.A.S. RTE. - 650	SECTION - 02-0062-01-PV	COUNTY - MOULTRIE	TOTAL SHEETS - 44	SHEET NO. - 24	
	DRAWN - AJH	REVISED -		CH 13, BETHANY FINDLAY RD.	CONTRACT NO. 95568		ILLINOIS FED. AID PROJECT		
	CHECKED - NAK	REVISED -							
	DATE - 10/15/2008	REVISED -							

DATE	
BY	
DESIGNED	
DRAWN	
CHECKED	
DATE	
NO.	
AREAS CHECKED	
TEMPLATE	
NOTE BOOK	
ORIGINAL SURVEY	
FINAL SURVEY	

DATE	
BY	
DESIGNED	
DRAWN	
CHECKED	
DATE	
NO.	
AREAS CHECKED	
TEMPLATE	
NOTE BOOK	
ORIGINAL SURVEY	
FINAL SURVEY	



CUMMINS ENGINEERING CORPORATION

JOB = 2096.1
 FILE NAME = 2096xsecCH13.dgn
 PLOT SCALE = 10.00 ft / IN.
 PLOT DATE = 12/22/2008

DESIGNED	- NAK	REVISED	-
DRAWN	- AJH	REVISED	-
CHECKED	- NAK	REVISED	-
DATE	- 10/15/2008	REVISED	-

MOULTRIE COUNTY
 BETHANY FINDLAY RD. IMPROVEMENTS

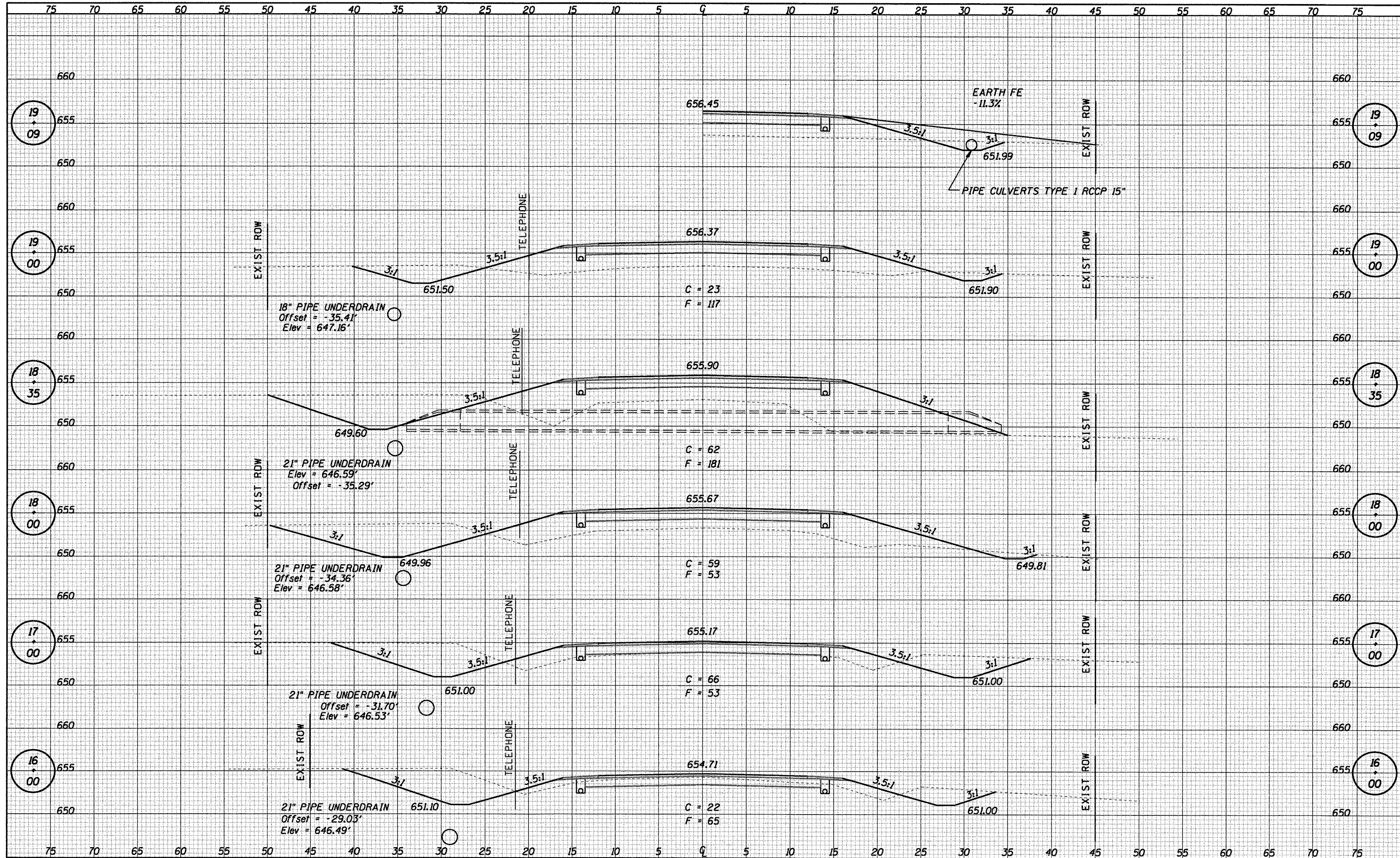
CROSS SECTIONS - CH 13

SCALE: SHEET NO. OF SHEETS STA. 12+75 TO STA. 15+00

F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
650	02-00062-01-PV	MOULTRIE	44	25
CH 13, BETHANY FINDLAY RD.		CONTRACT NO. 95568		
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT				

DATE	
BY	
ORIGINAL SURVEY	
SKIPPED SURVEY	
PLOTTED	
TEMPLATE	
NOTE BOOK	
AREAS CHECKED	
NO.	

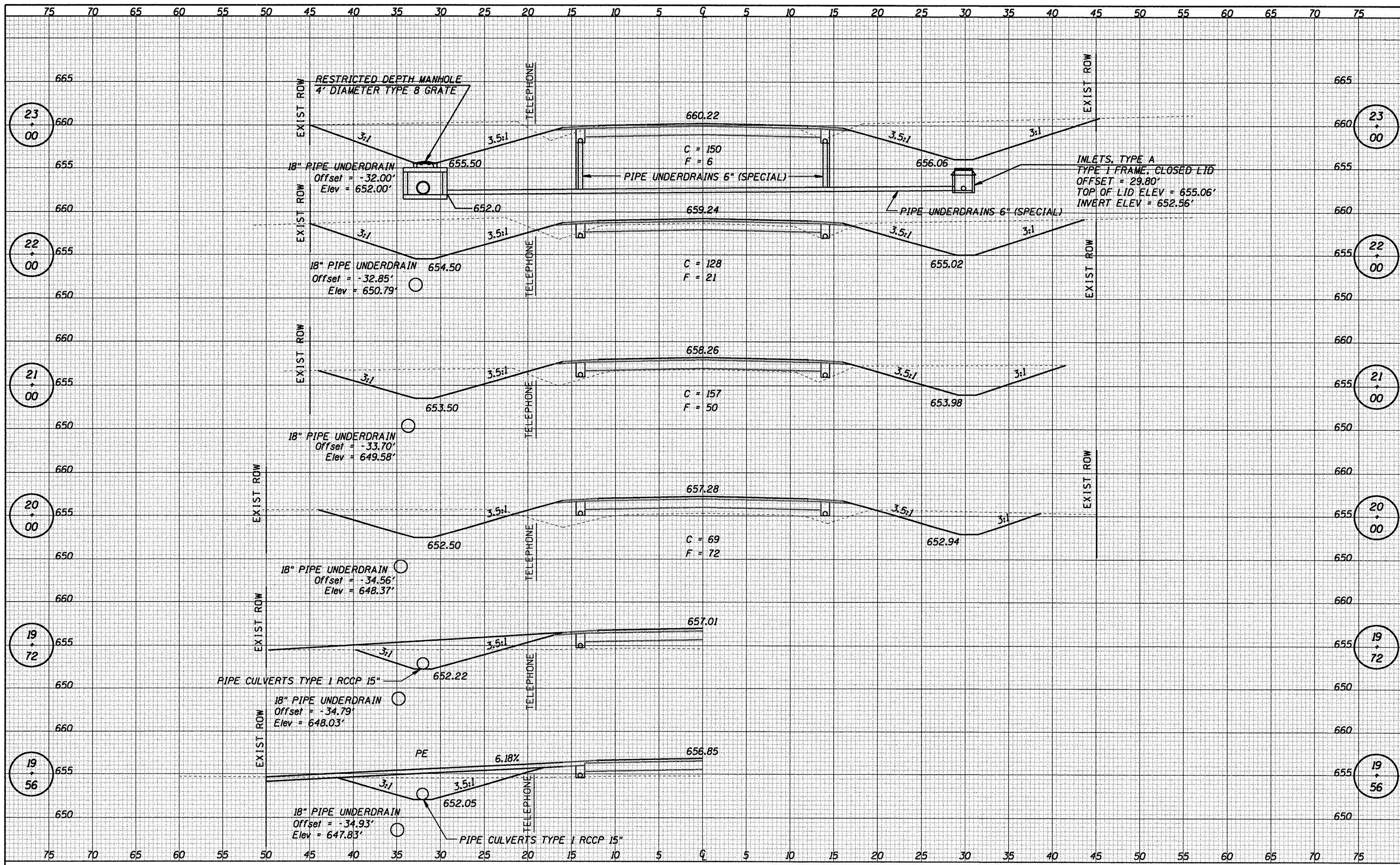
DATE	
BY	
ORIGINAL SURVEY	
SKIPPED SURVEY	
PLOTTED	
TEMPLATE	
NOTE BOOK	
AREAS CHECKED	
NO.	



CUMMINS ENGINEERING CORPORATION JOB = 2096.1 FILE NAME = 2096xsecCH13.dgn PLOT SCALE = 10.00 ft / IN. PLOT DATE = 12/22/2008	DESIGNED - NAK DRAWN - AJH CHECKED - NAK DATE - 10/15/2008	REVISED - REVISED - REVISED - REVISED -	MOULTRIE COUNTY BETHANY FINDLAY RD. IMPROVEMENTS	CROSS SECTIONS - CH 13 SCALE: SHEET NO. OF SHEETS STA. 16+00 TO STA. 19+09	F.A.S. RTE. 650 SECTION 02-00062-01-PV COUNTY MOULTRIE CH 13, BETHANY FINDLAY RD. CONTRACT NO. 95568 FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT	TOTAL SHEETS 44 SHEET NO. 26
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DATE	
BY	
FINAL SURVEY	
SCHEMATIC	
NOTE BOOK	
NO.	

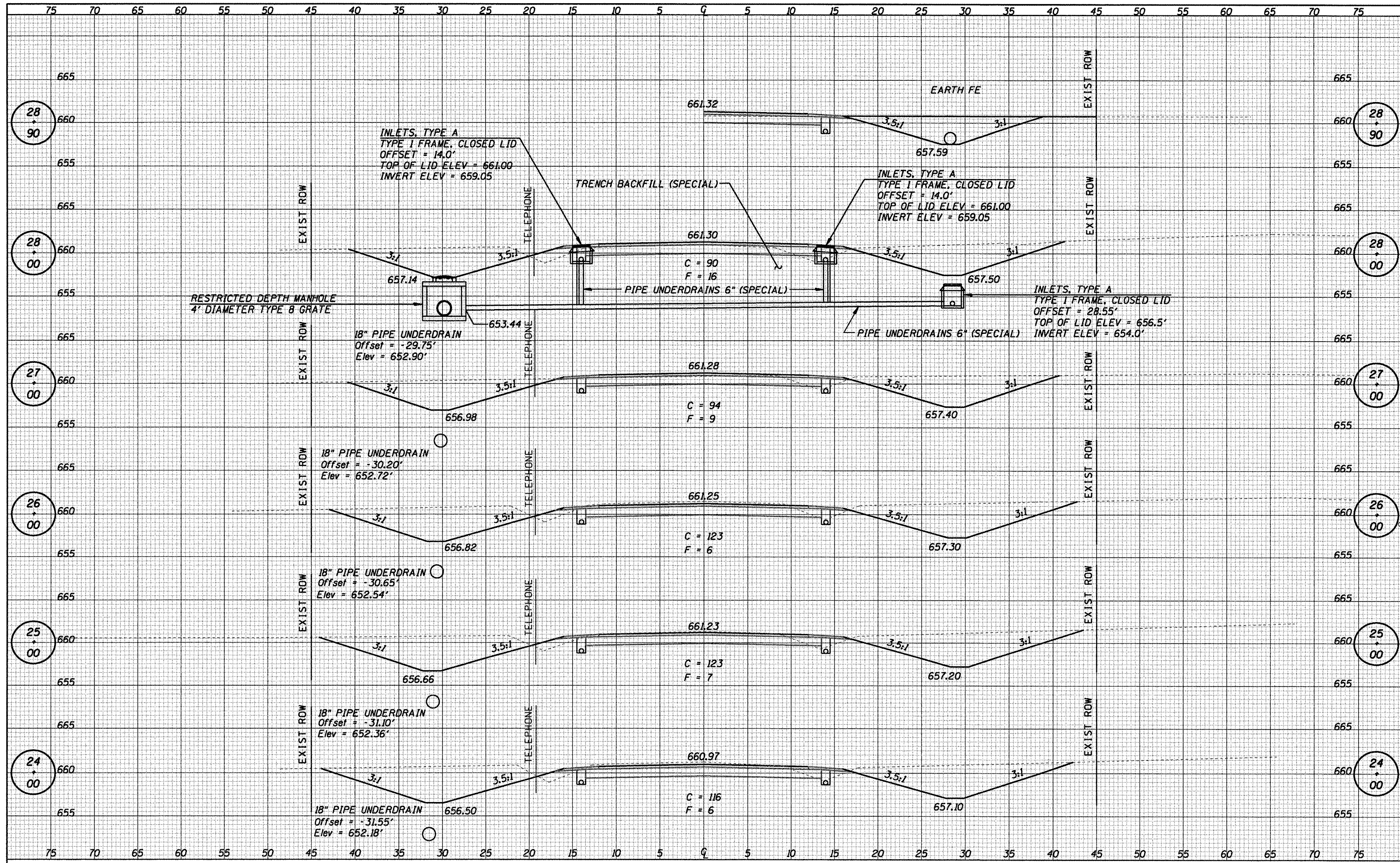
DATE	
BY	
ORIGINAL SURVEY	
SCHEMATIC	
NOTE BOOK	
NO.	



CUMMINS ENGINEERING CORPORATION JOB = 2096.1 FILE NAME = 2096xsecCH13.dgn PLOT SCALE = 10.00 Ft / IN. PLOT DATE = 12/22/2008	DESIGNED - NAK	REVISED -	MOULTRIE COUNTY BETHANY FINDLAY RD. IMPROVEMENTS CROSS SECTIONS - CH 13 SCALE: SHEET NO. OF SHEETS STA. 19+56 TO STA. 23+00	F.A.S. RTE. 650	SECTION 02-00062-01-PV	COUNTY MOULTRIE	TOTAL SHEETS 44	SHEET NO. 27	
	DRAWN - AJH	REVISED -		CH 13, BETHANY FINDLAY RD.	CONTRACT NO. 95568				
	CHECKED - NAK	REVISED -		FED. ROAD DIST. NO. [ILLINOIS] FED. AID PROJECT					
	DATE - 10/15/2008	REVISED -							

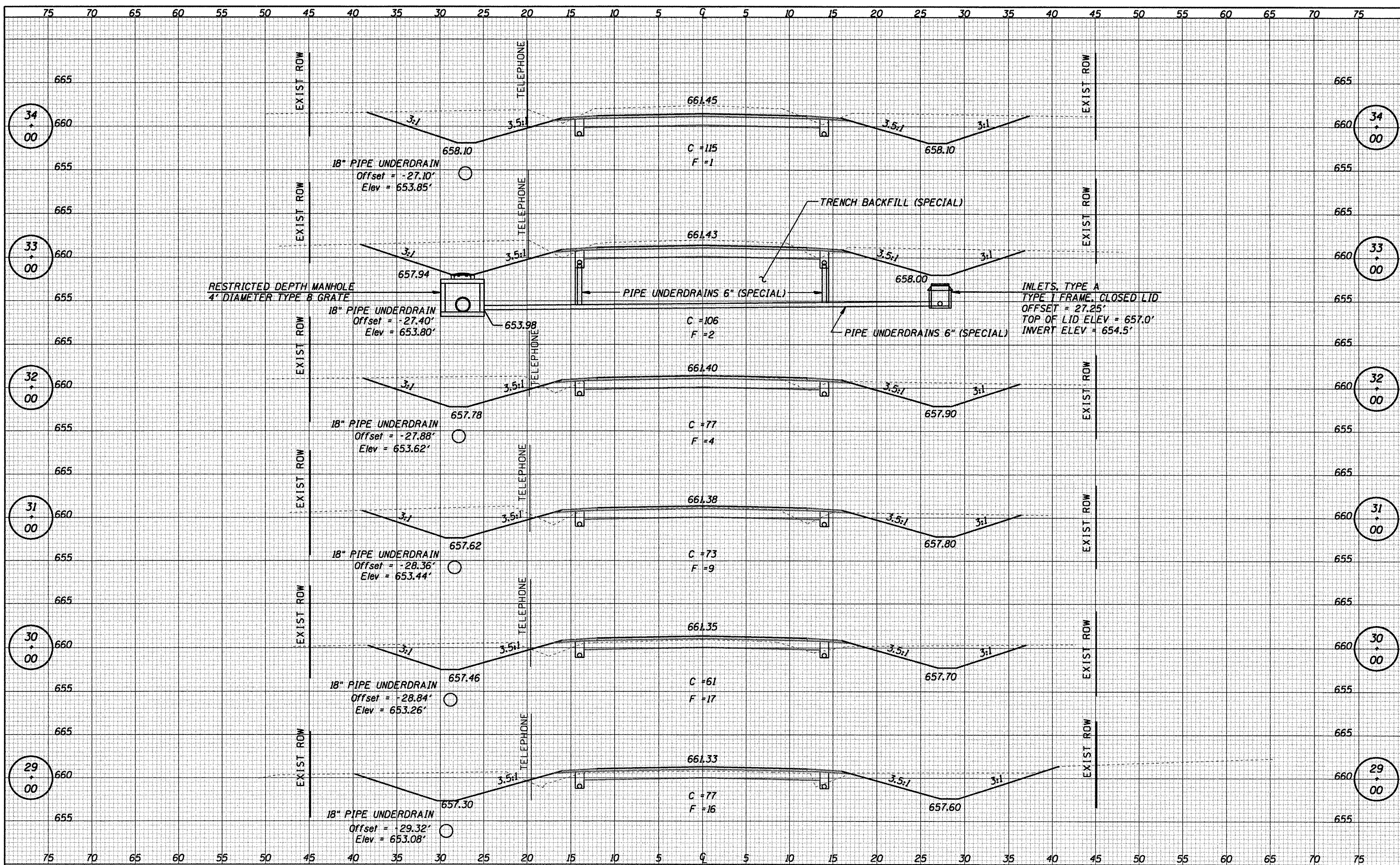
DATE	
BY	
REVISIONS	
NO.	
DATE	
BY	
REVISIONS	
NO.	
DATE	
BY	
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CUMMINS
ENGINEERING
CORPORATION

JOB = 2096.1
FILE NAME = 2096xsecCH13.dgn
PLOT SCALE = 10.00 ft / IN.
PLOT DATE = 12/22/2008

DESIGNED	- NAK	REVISED	-
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MOULTRIE COUNTY
BETHANY FINDLAY RD. IMPROVEMENTS

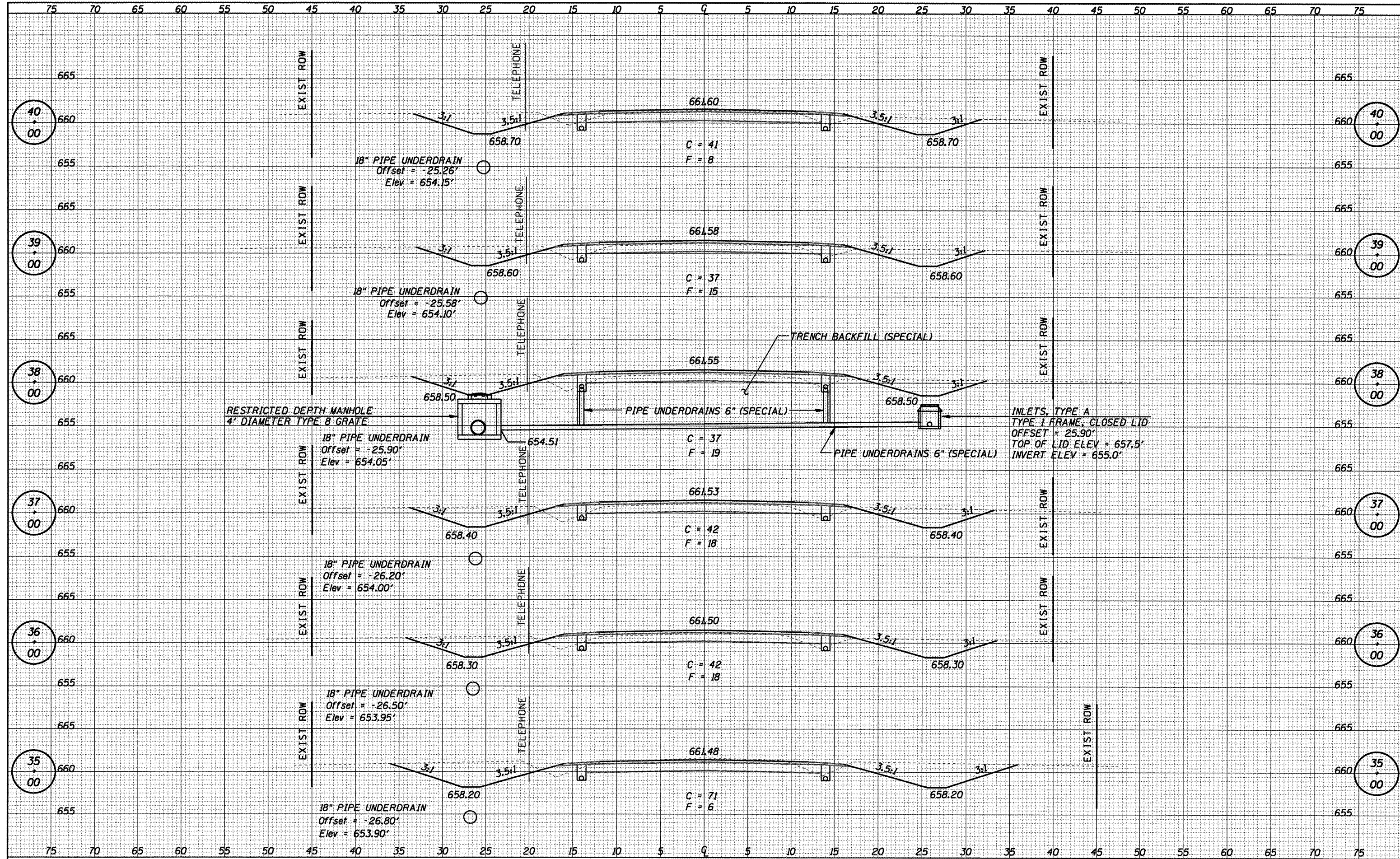
CROSS SECTIONS - CH 13

SCALE: SHEET NO. OF SHEETS STA. 29+00 TO STA. 34+00

F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
650	02-00062-01-PV	MOULTRIE	44	29
CH 13, BETHANY FINDLAY RD.		CONTRACT NO. 95568		
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT				

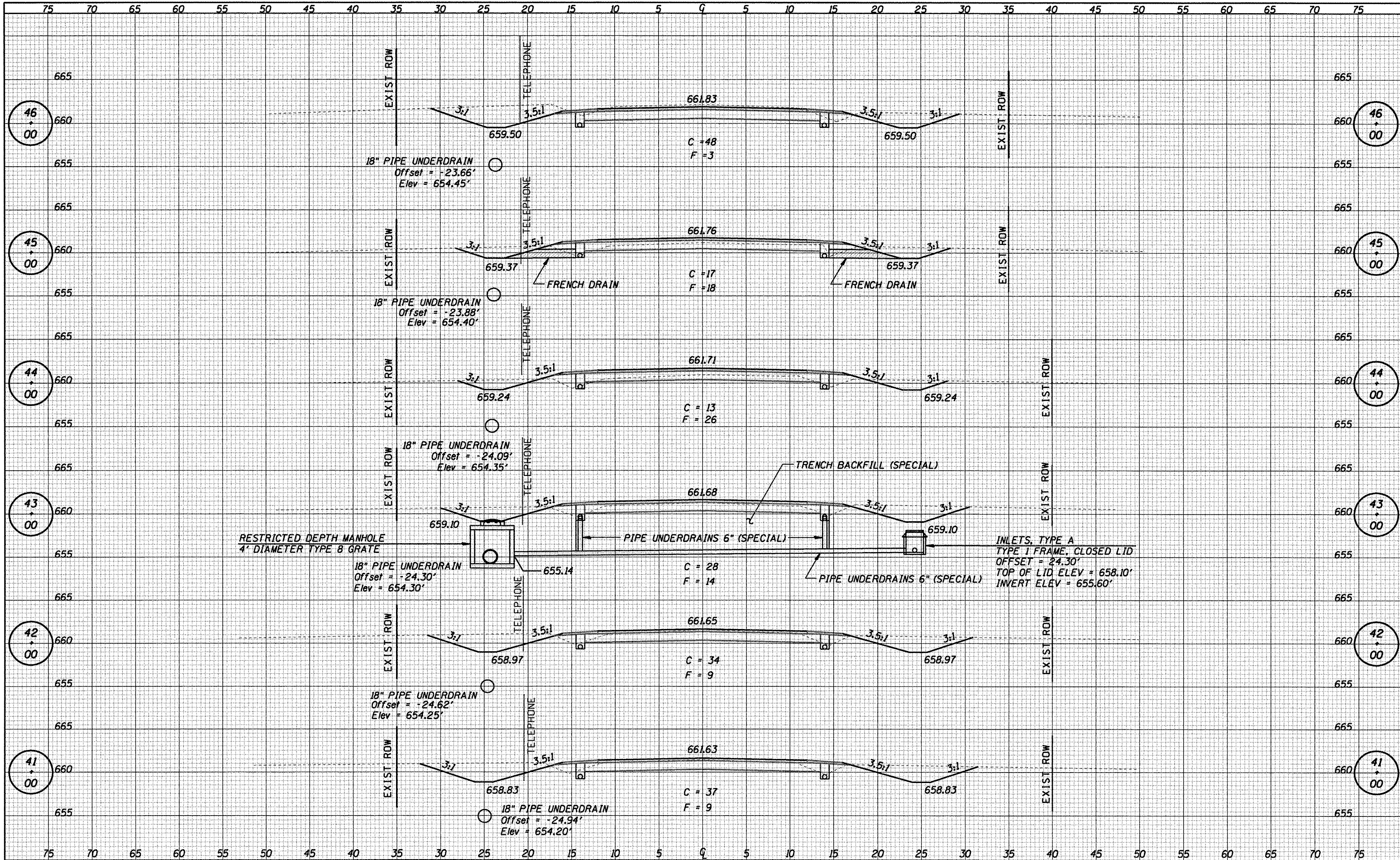
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CUMMINS ENGINEERING CORPORATION

JOB = 2096.1
 FILE NAME = 2096xsecCH13.dgn
 PLOT SCALE = 10.00 FT / IN.
 PLOT DATE = 12/22/2008

DESIGNED	- NAK	REVISED	-
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**MOULTRIE COUNTY
 BETHANY FINDLAY RD. IMPROVEMENTS**

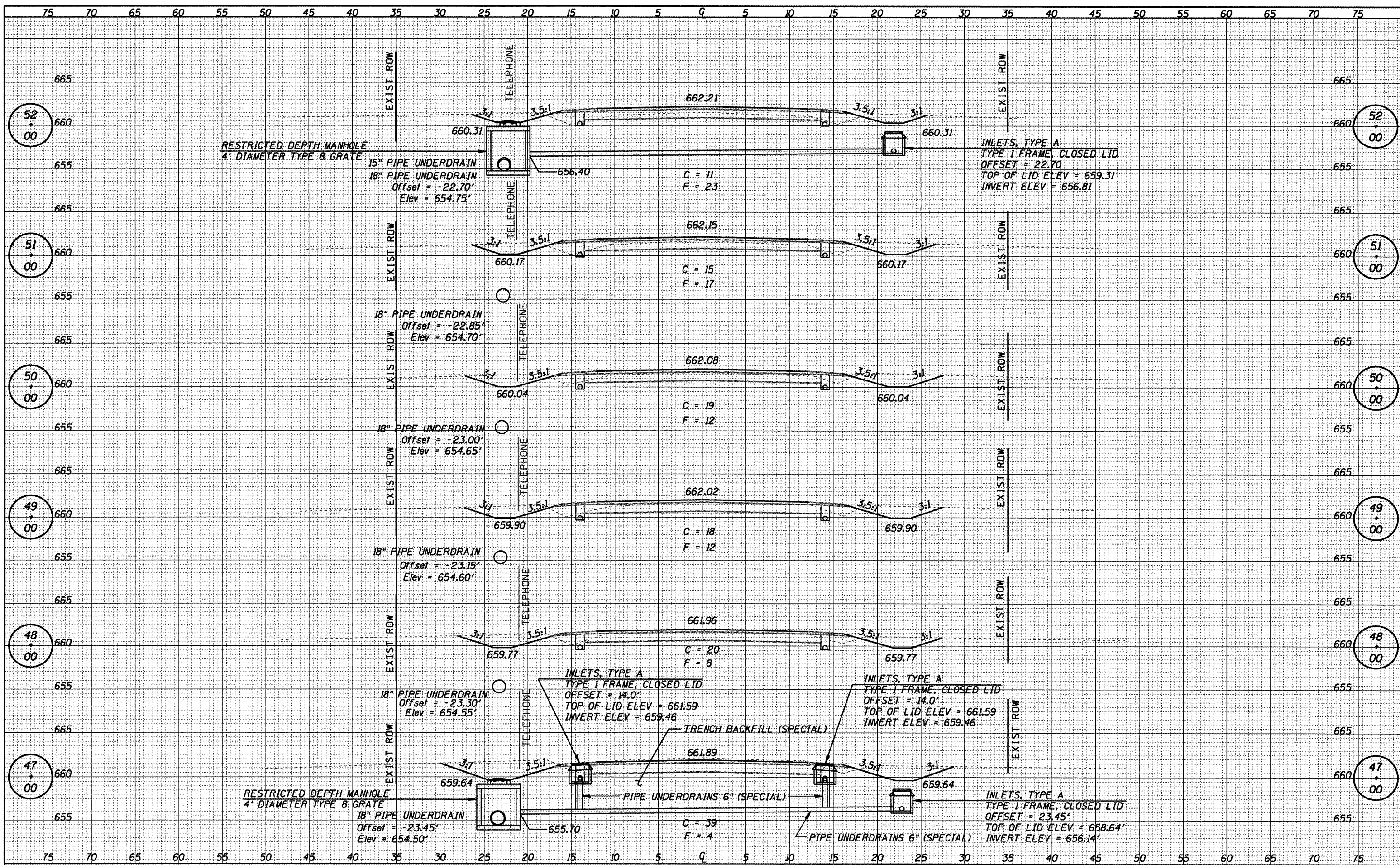
CROSS SECTIONS - CH 13

SCALE: SHEET NO. OF SHEETS STA. 41+00 TO STA. 46+00

F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
650	02-00062-01-PV	MOULTRIE	44	31
CH 13, BETHANY FINDLAY RD.		CONTRACT NO. 95568		
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT				

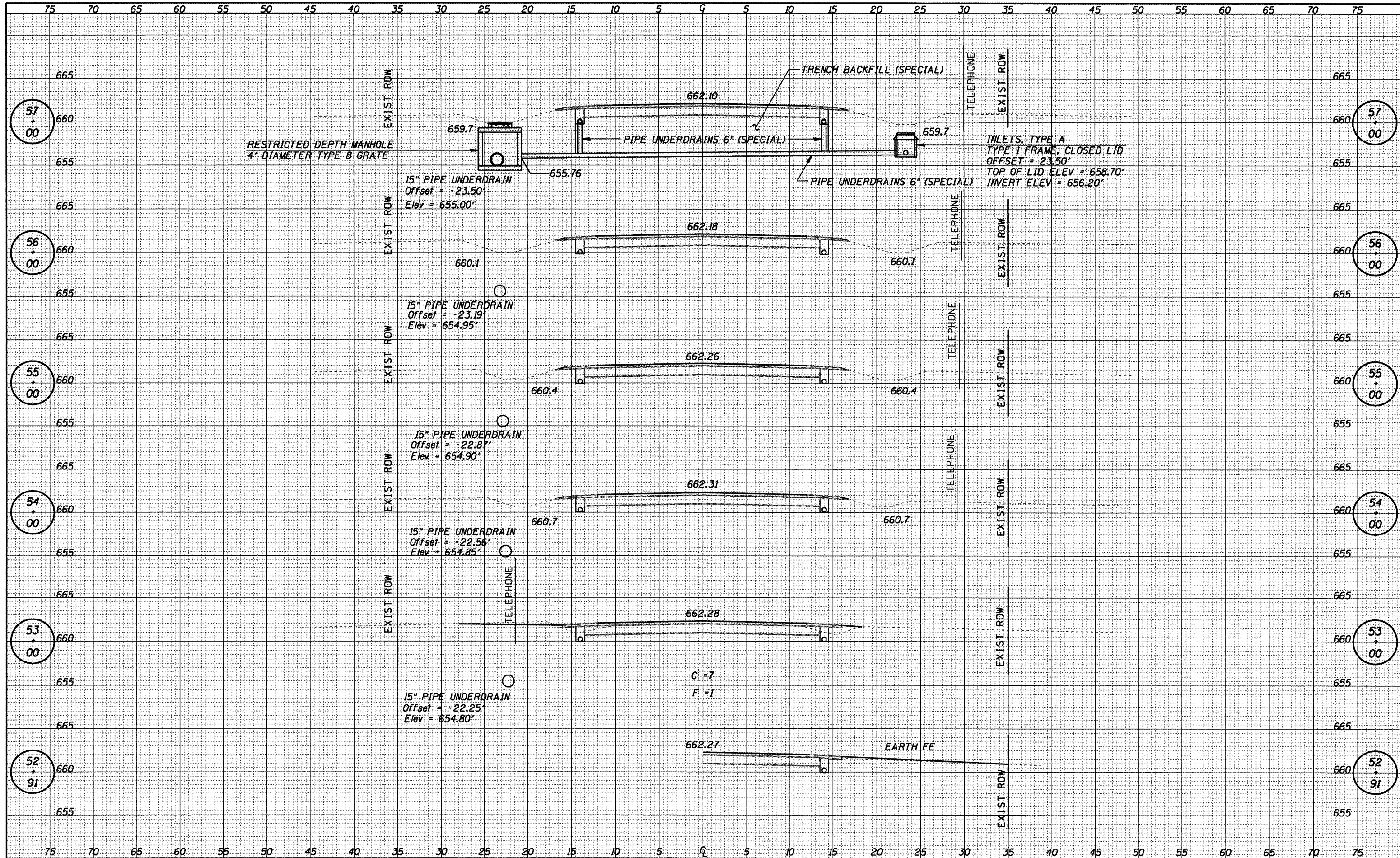
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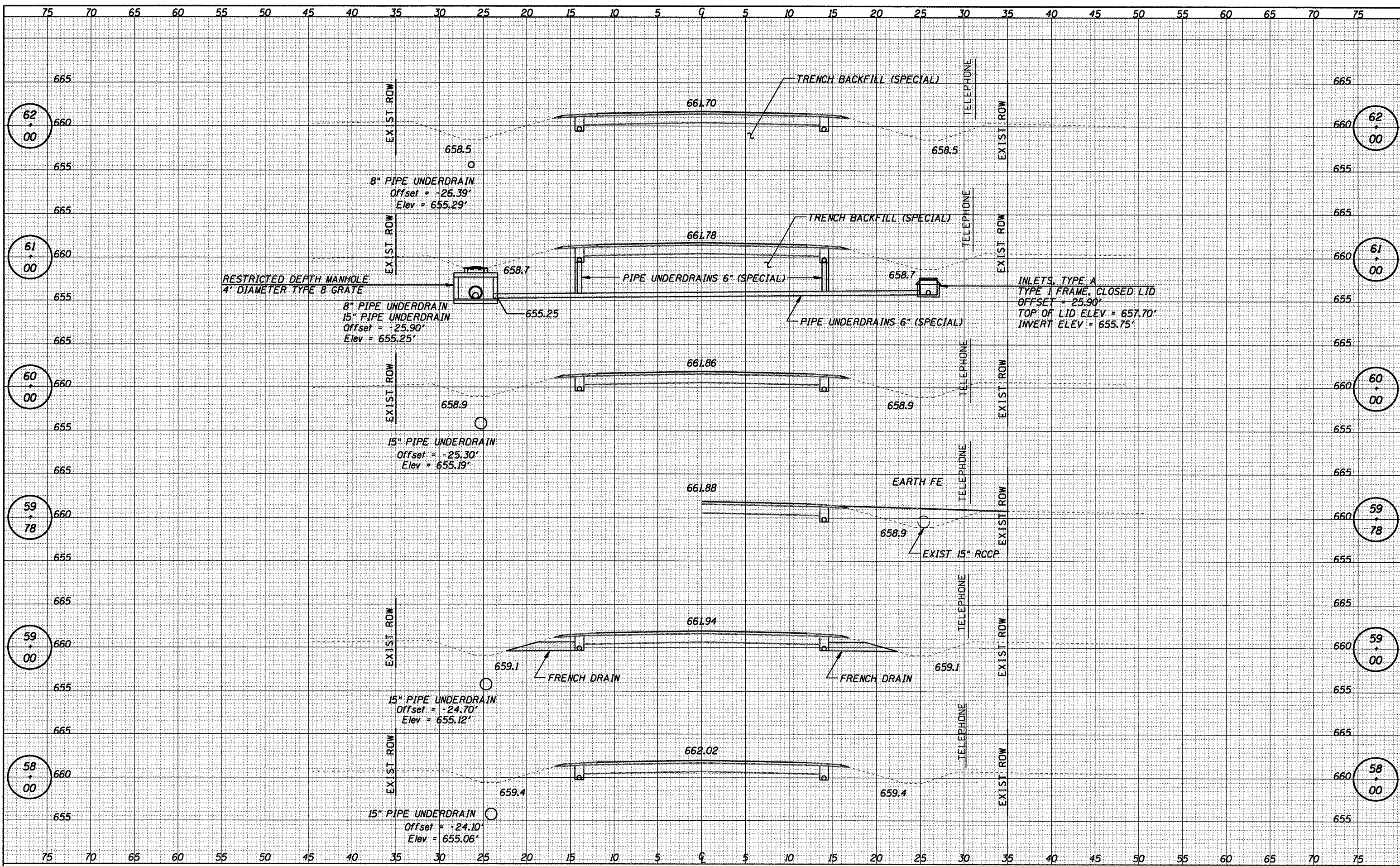
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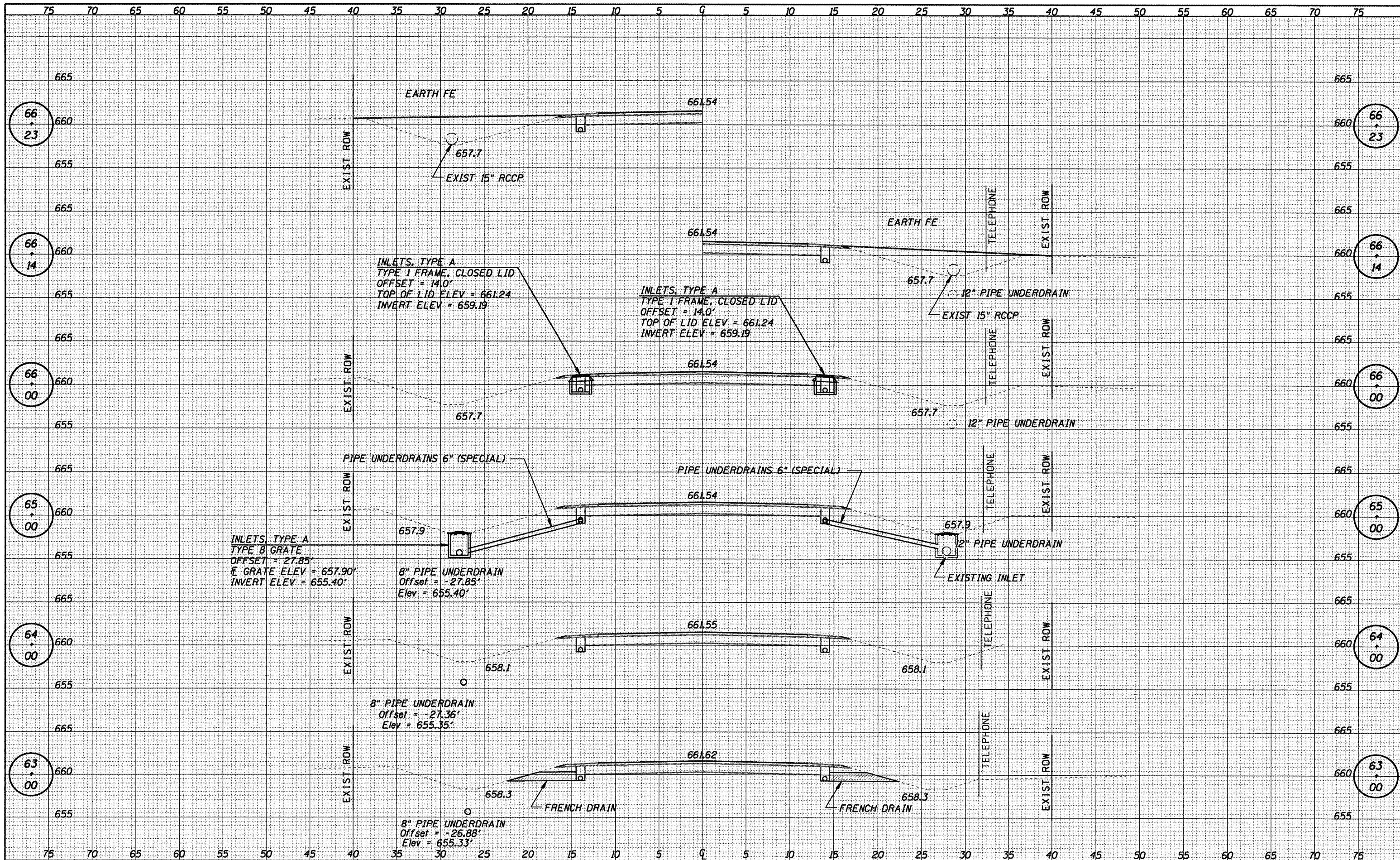
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CUMMINS ENGINEERING CORPORATION JOB - 2096.1 FILE NAME = 2096xsecCH13.dgn PLOT SCALE = 10.00 FT / IN. PLOT DATE = 12/22/2008	DESIGNED - NAK DRAWN - AJH CHECKED - NAK DATE - 10/15/2008	REVISED - REVISED - REVISED - REVISED -	MOULTRIE COUNTY BETHANY FINDLAY RD. IMPROVEMENTS	CROSS SECTIONS - CH 13			F.A.S. - RTE. 650 CH 13, BETHANY FINDLAY RD. FED. ROAD DIST. NO.	SECTION 02-00062-01-PV MOULTRIE CONTRACT NO. 95568 [ILLINOIS] FED. AID PROJECT	TOTAL SHEETS 44 SHEET NO. 34
	SCALE: SHEET NO. OF SHEETS STA. 58+00 TO STA. 62+00								
	SCALE: SHEET NO. OF SHEETS STA. 58+00 TO STA. 62+00								
	SCALE: SHEET NO. OF SHEETS STA. 58+00 TO STA. 62+00								

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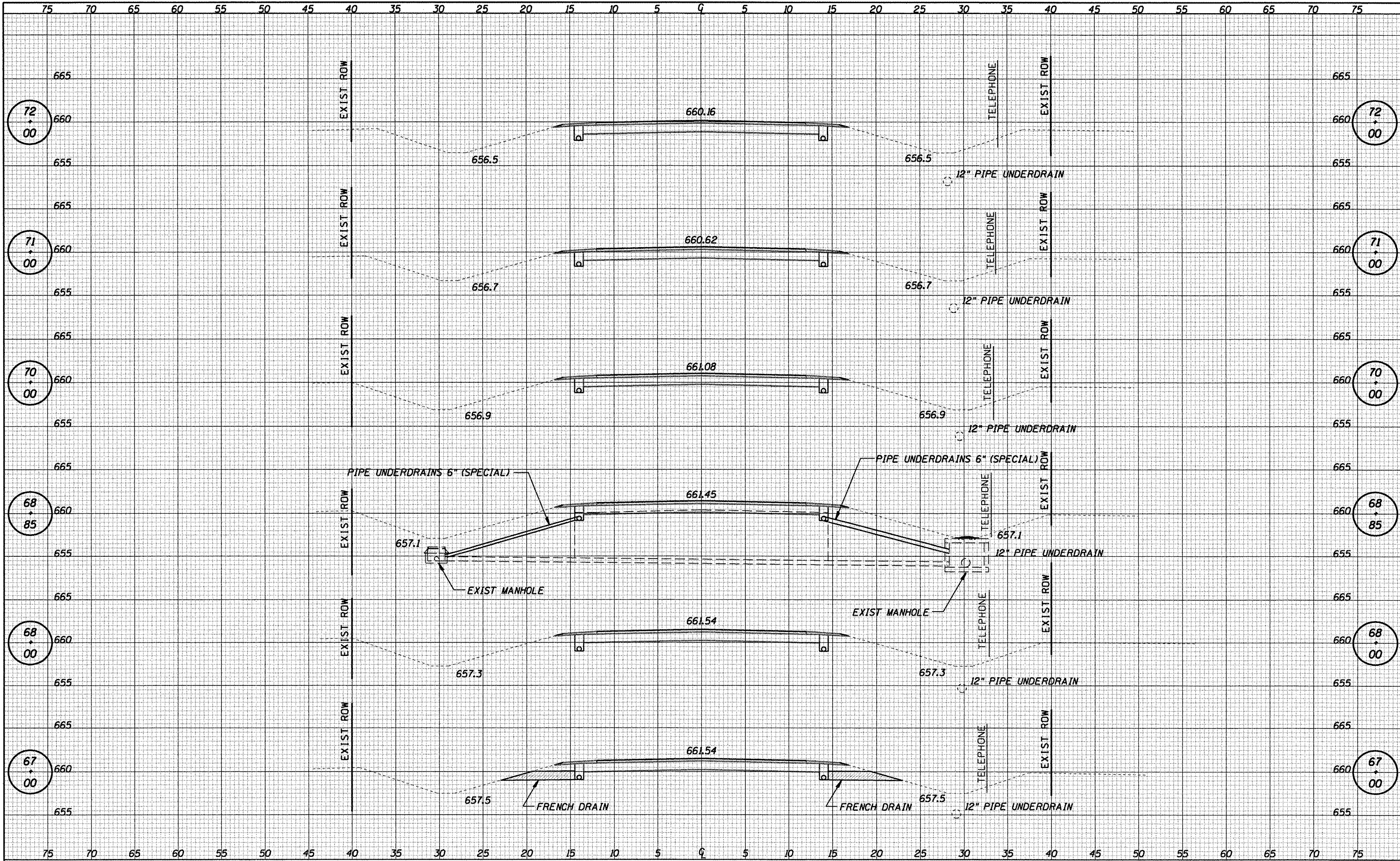
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CUMMINS ENGINEERING CORPORATION JOB = 2096.1 FILE NAME = 2096xsecCH13.dgn PLOT SCALE = 10.00 ft / IN. PLOT DATE = 12/22/2008	DESIGNED - NAK	REVISED -	MOULTRIE COUNTY BETHANY FINDLAY RD. IMPROVEMENTS CROSS SECTIONS - CH 13 SCALE: SHEET NO. OF SHEETS STA. 63+00 TO STA. 66+23	F.A.S. RTE. 650	SECTION 02-0062-01-PV	COUNTY MOULTRIE	TOTAL SHEETS 44	SHEET NO. 35
	DRAWN - AJH	REVISED -		CH 13, BETHANY FINDLAY RD.	CONTRACT NO. 95568			
	CHECKED - NAK	REVISED -		FED. ROAD DIST. NO. [ILLINOIS] FED. AID PROJECT				
	DATE - 10/15/2008	REVISED -						

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CUMMINS
ENGINEERING
CORPORATION

JOB # 2096.1
FILE NAME = 2096xsecCH13.dgn
PLOT SCALE = 10.00 ft / IN.
PLOT DATE = 12/22/2008

DESIGNED - NAK
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MOULTRIE COUNTY
BETHANY FINDLAY RD. IMPROVEMENTS

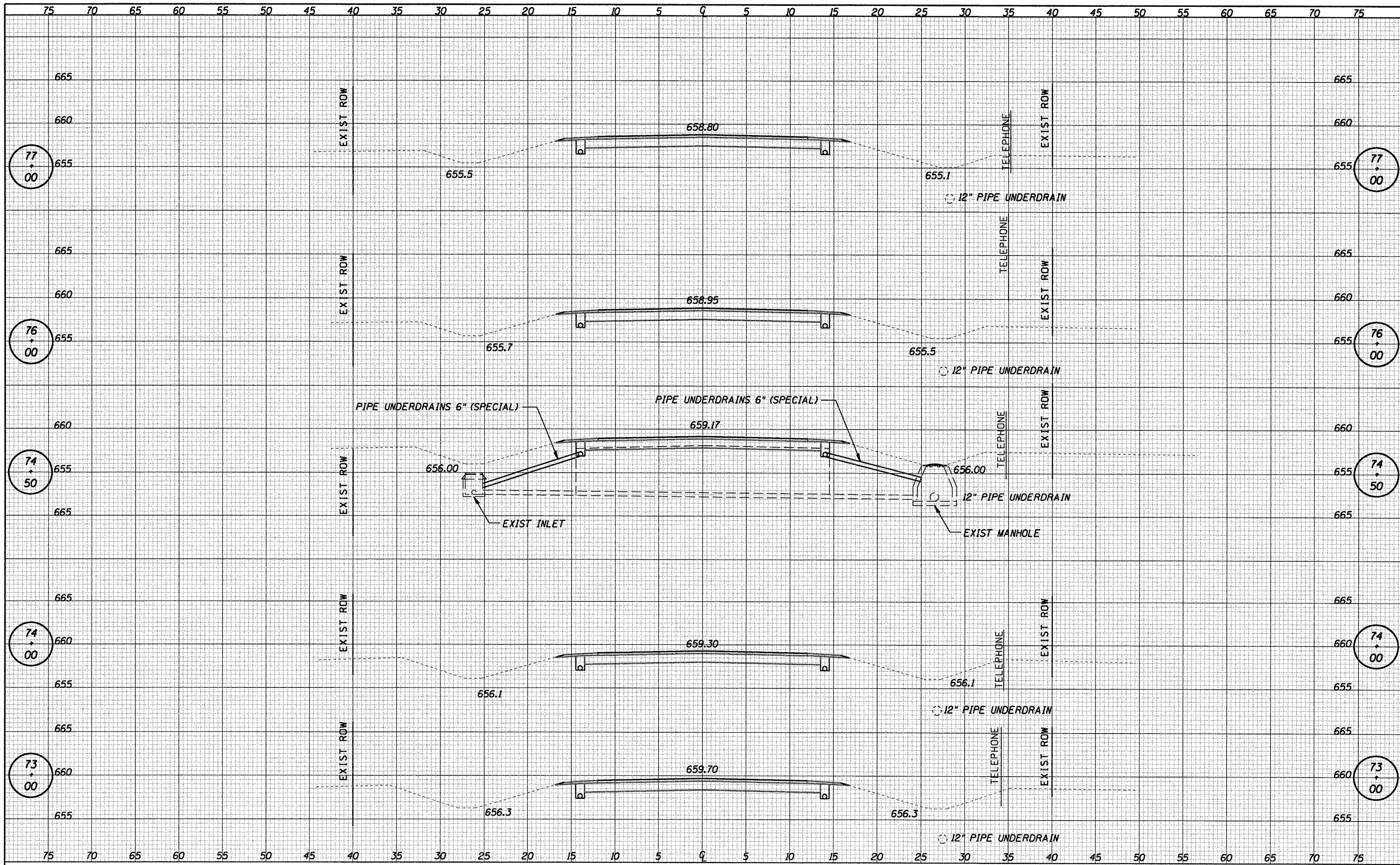
CROSS SECTIONS - CH 13

SCALE: SHEET NO. OF SHEETS STA. 67+00 TO STA. 72+00

F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
650	02-0062-01-PV	MOULTRIE	44	36
CH 13, BETHANY FINDLAY RD.		CONTRACT NO. 95568		
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		

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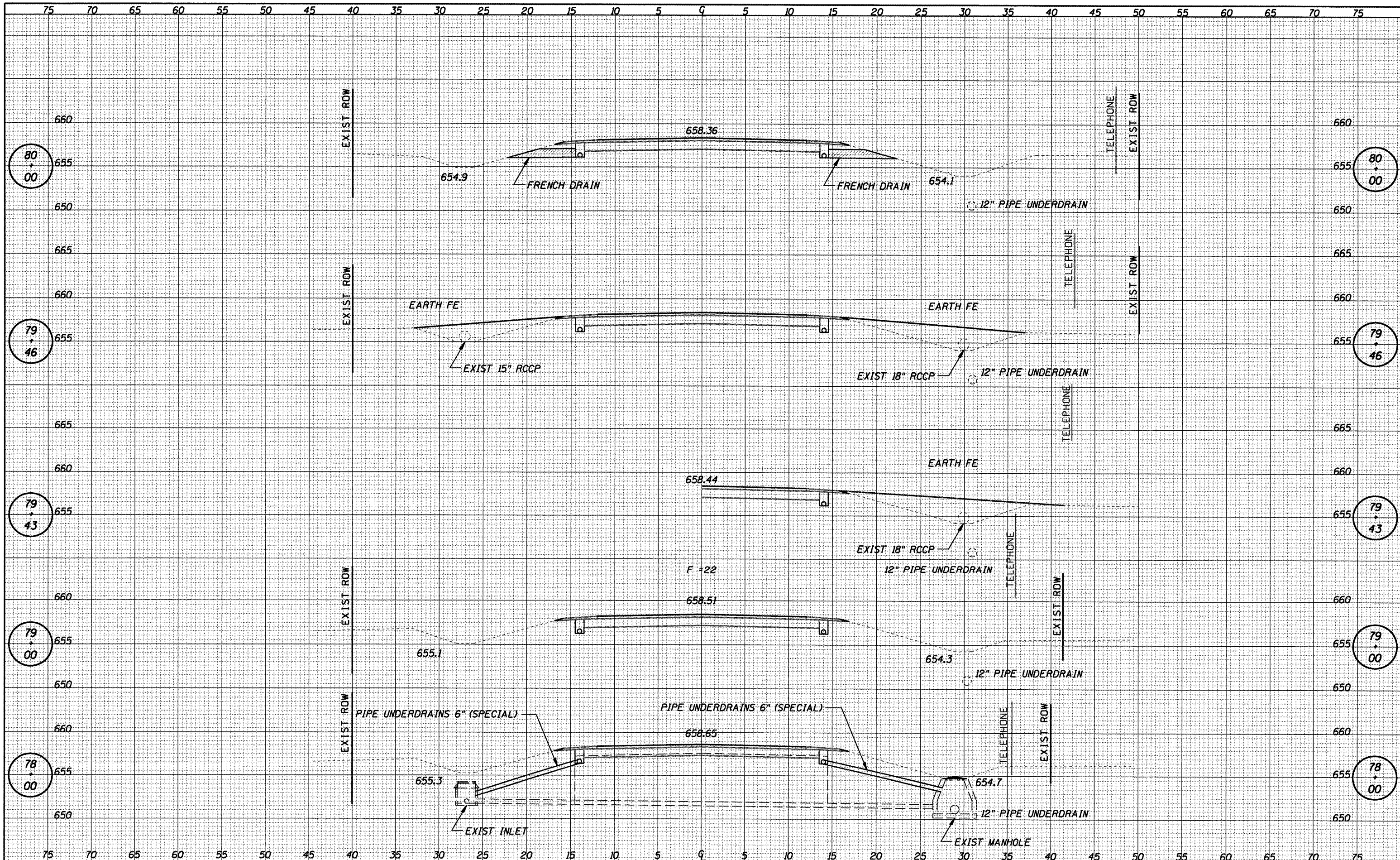
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CUMMINS ENGINEERING CORPORATION	JOB = 2096.1	DESIGNED - NAK	REVISED -	MOULTRIE COUNTY BETHANY FINDLAY RD. IMPROVEMENTS	CROSS SECTIONS - CH 13			F.A.S. RTE. 650	SECTION 02-00062-01-PV	COUNTY MOULTRIE	TOTAL SHEETS 44	SHEET NO. 37
	FILE NAME = 2096xsecCH13.dgn	DRAWN - AJH	REVISED -					CH 13, BETHANY FINDLAY RD.	CONTRACT NO. 95568			
	PLOT SCALE = 10.00 ft / IN.	CHECKED - NAK	REVISED -					FED. ROAD DIST. NO.	ILLINOIS FED. AID PROJECT			
	PLOT DATE = 12/22/2008	DATE - 10/15/2008	REVISED -					SCALE:	SHEET NO. OF SHEETS	STA. 73+00 TO STA. 77+00		

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CUMMINS ENGINEERING CORPORATION

JOB = 2096.l
 FILE NAME = 2096xaccCH13.dgn
 PLOT SCALE = 10.00 ft / IN.
 PLOT DATE = 12/22/2008

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**MOULTRIE COUNTY
 BETHANY FINDLAY RD. IMPROVEMENTS**

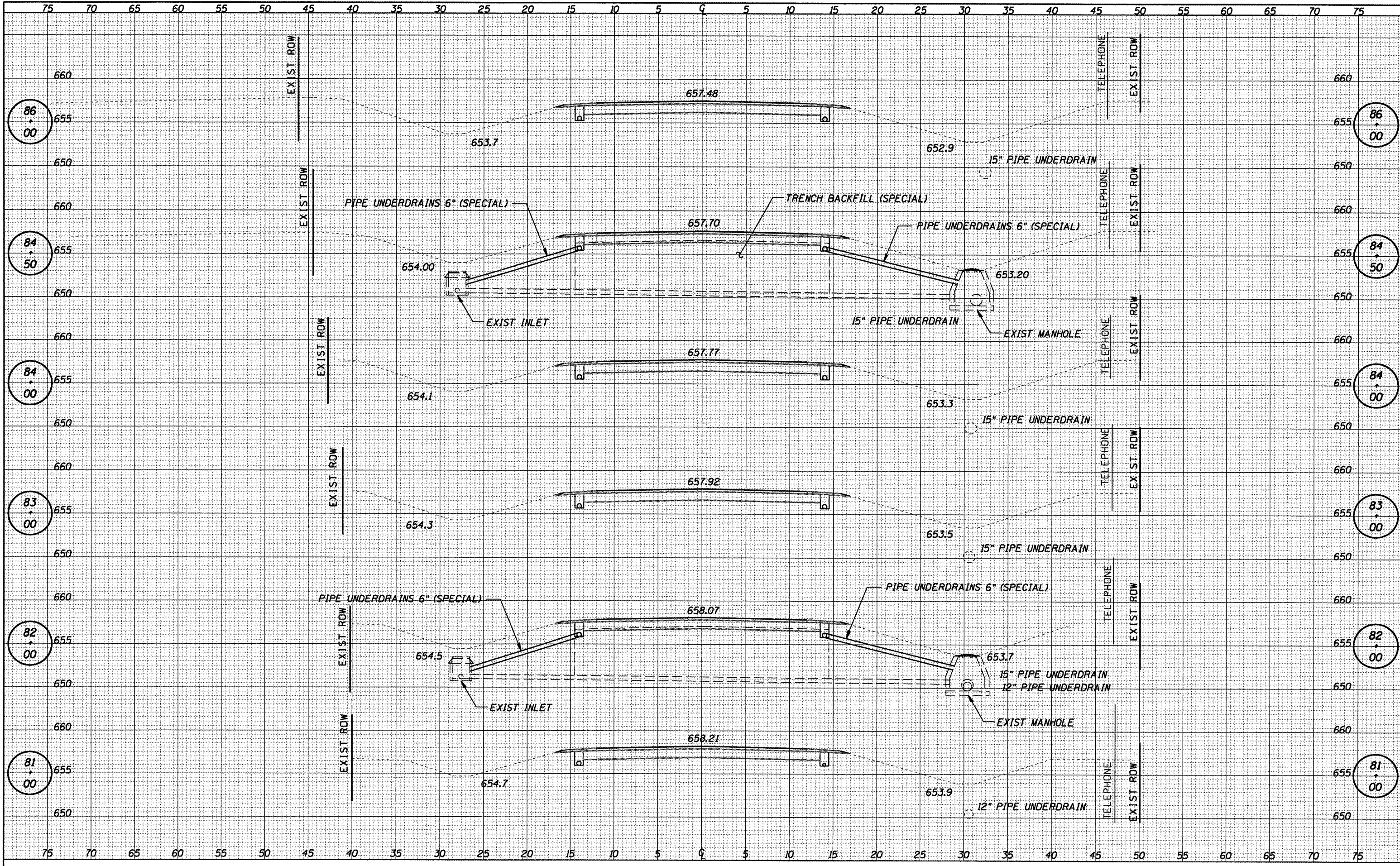
CROSS SECTIONS - CH 13

SCALE: SHEET NO. OF SHEETS STA. 78+00 TO STA. 80+00

F.A.S. RT#	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
650	02-00062-01-PV	MOULTRIE	44	38
CH 13, BETHANY FINDLAY RD.		CONTRACT NO. 95568		
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		

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CUMMINS ENGINEERING CORPORATION

JOB # 2096.1
 FILE NAME = 2896xsecCH13.dgn
 PLOT SCALE = 10.00 Ft / IN.
 PLOT DATE = 12/22/2008

DESIGNED - NAK
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**MOULTRIE COUNTY
 BETHANY FINDLAY RD. IMPROVEMENTS**

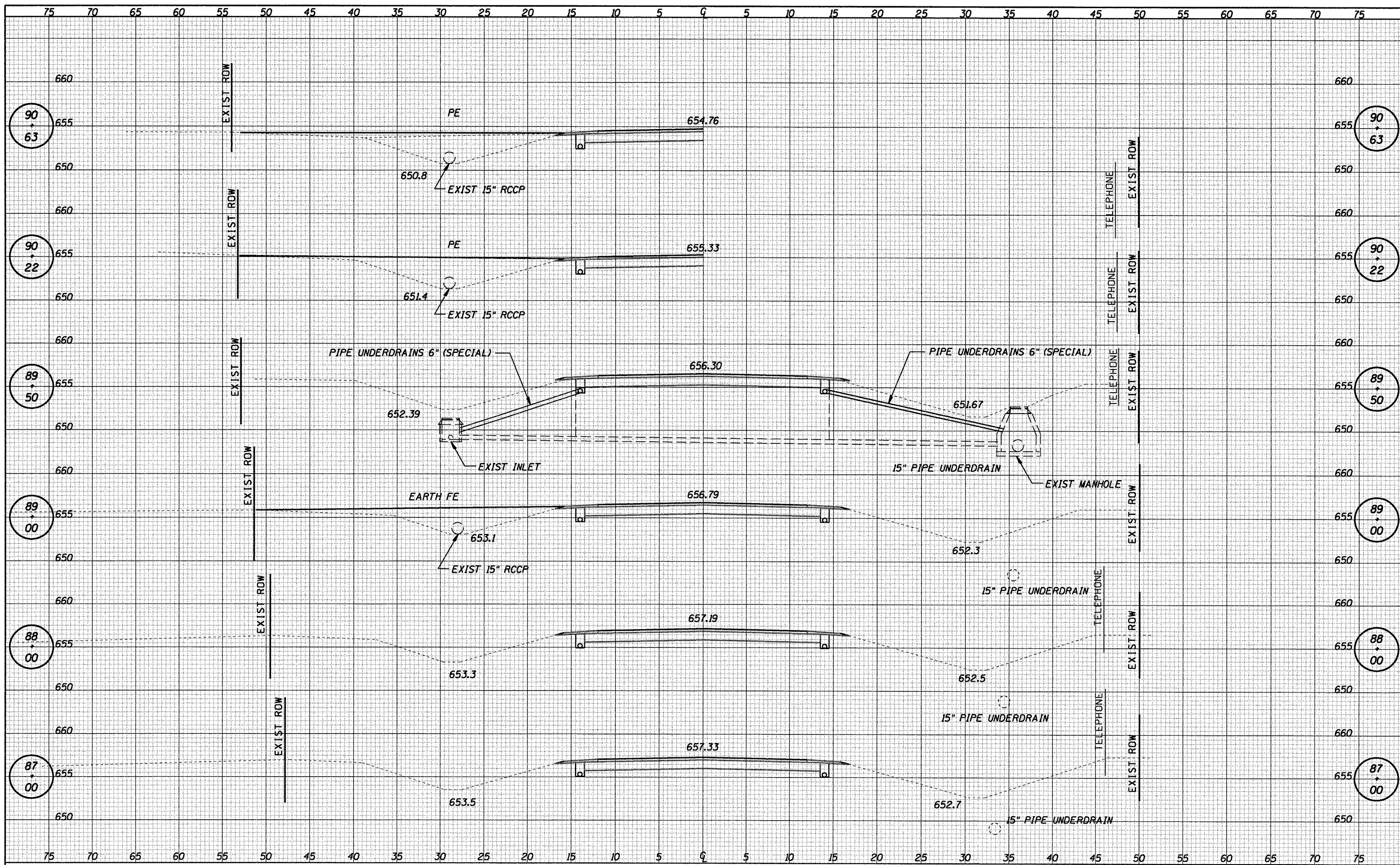
CROSS SECTIONS - CH 13

SCALE: SHEET NO. OF SHEETS STA. 81+00 TO STA. 86+00

F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
650	02-00062-01-PV	MOULTRIE	44	39
CH 13, BETHANY FINDLAY RD.		CONTRACT NO. 95568		
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		

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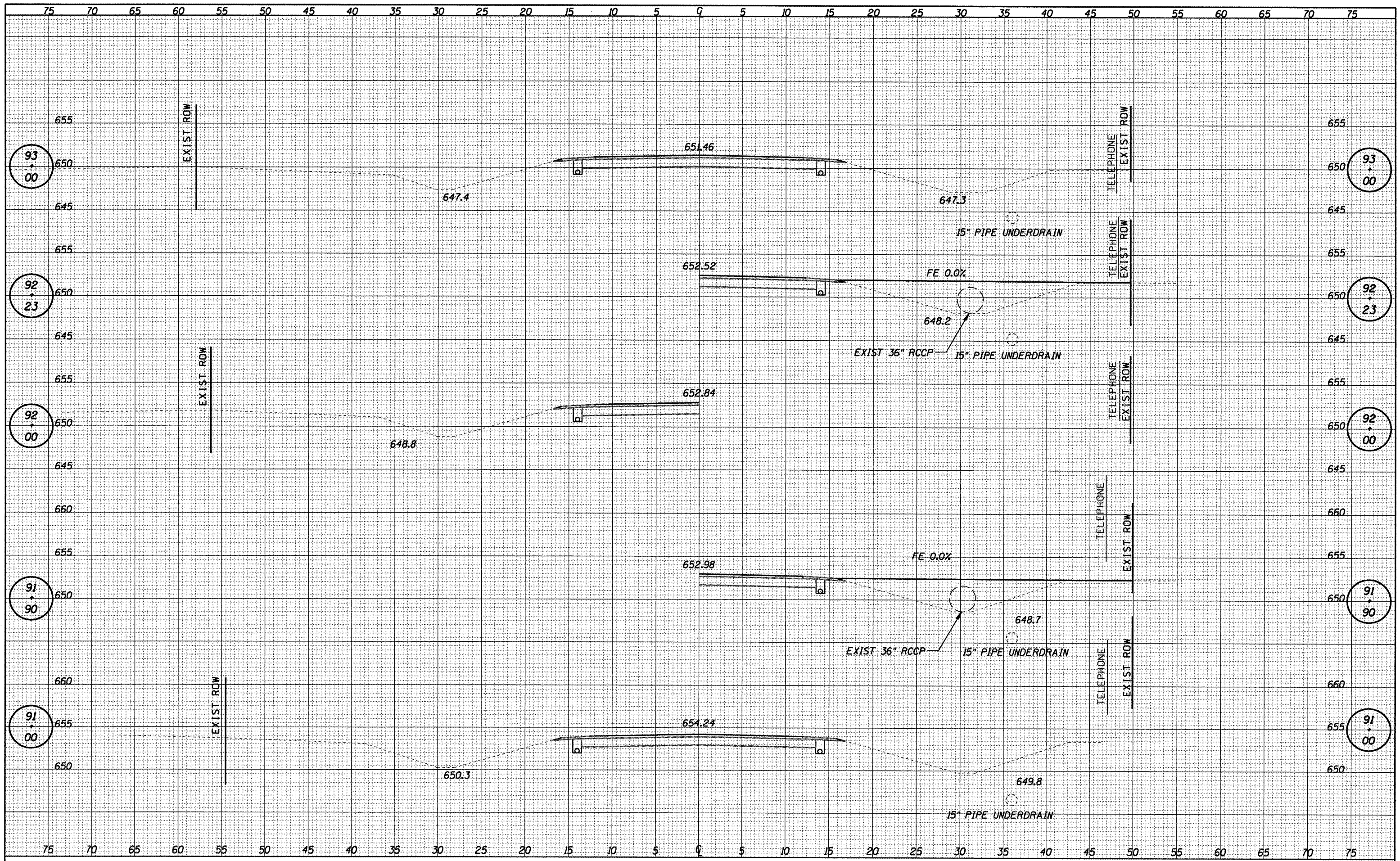
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CUMMINS ENGINEERING CORPORATION JOB = 2096.l FILE NAME = 2096xsecCH13.dgn PLOT SCALE = 10.00 ft / IN. PLOT DATE = 12/22/2008	DESIGNED - NAK	REVISED -	MOULTRIE COUNTY BETHANY FINDLAY RD. IMPROVEMENTS	CROSS SECTIONS - CH 13			F.A.S. RITE. 650	SECTION 02-00062-01-PV	COUNTY MOULTRIE	TOTAL SHEETS 44	SHEET NO. 40
	DRAWN - AJH	REVISED -		SCALE:	SHEET NO.	OF SHEETS	STA. 87+00 TO STA. 93+00	CH 13, BETHANY FINDLAY RD.	CONTRACT NO. 95568	ILLINOIS FED. AID PROJECT	
	CHECKED - NAK	REVISED -									
	DATE - 10/15/2008	REVISED -									

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CUMMINS ENGINEERING CORPORATION

JOB = 2096.1
 FILE NAME = 2896exsecCH13.dgn
 PLOT SCALE = 10.00 ft / IN.
 PLOT DATE = 12/22/2008

DESIGNED	- NAK	REVISED	-
DRAWN	- AJH	REVISED	-
CHECKED	- NAK	REVISED	-
DATE	- 10/15/2008	REVISED	-

**MOULTRIE COUNTY
 BETHANY FINDLAY RD. IMPROVEMENTS**

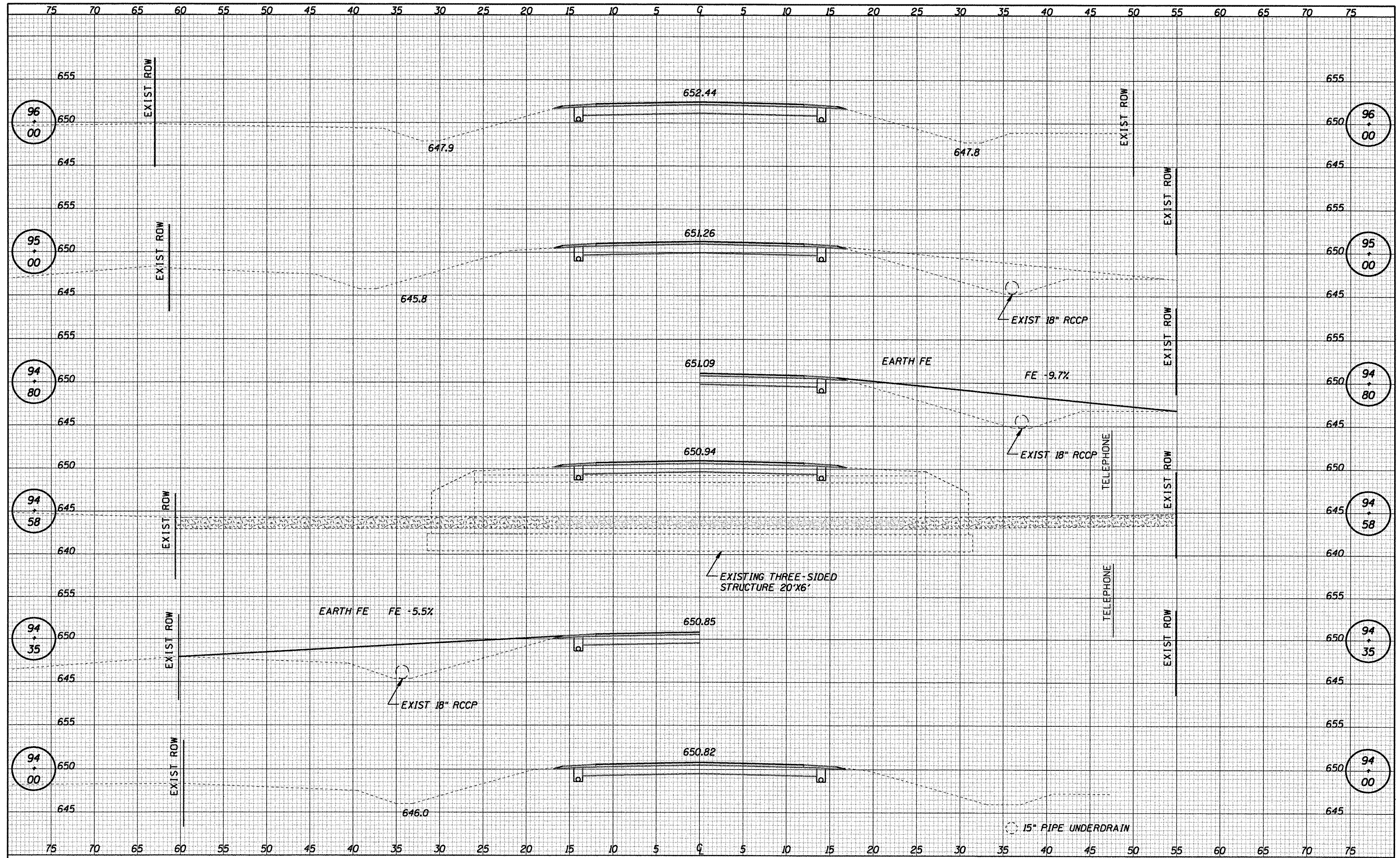
CROSS SECTIONS - CH 13

SCALE: SHEET NO. OF SHEETS STA. 91+00 TO STA. 90+63

F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
650	02-00062-01-PV	MOULTRIE	44	41
CH 13, BETHANY FINDLAY RD.		CONTRACT NO. 95568		
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT				

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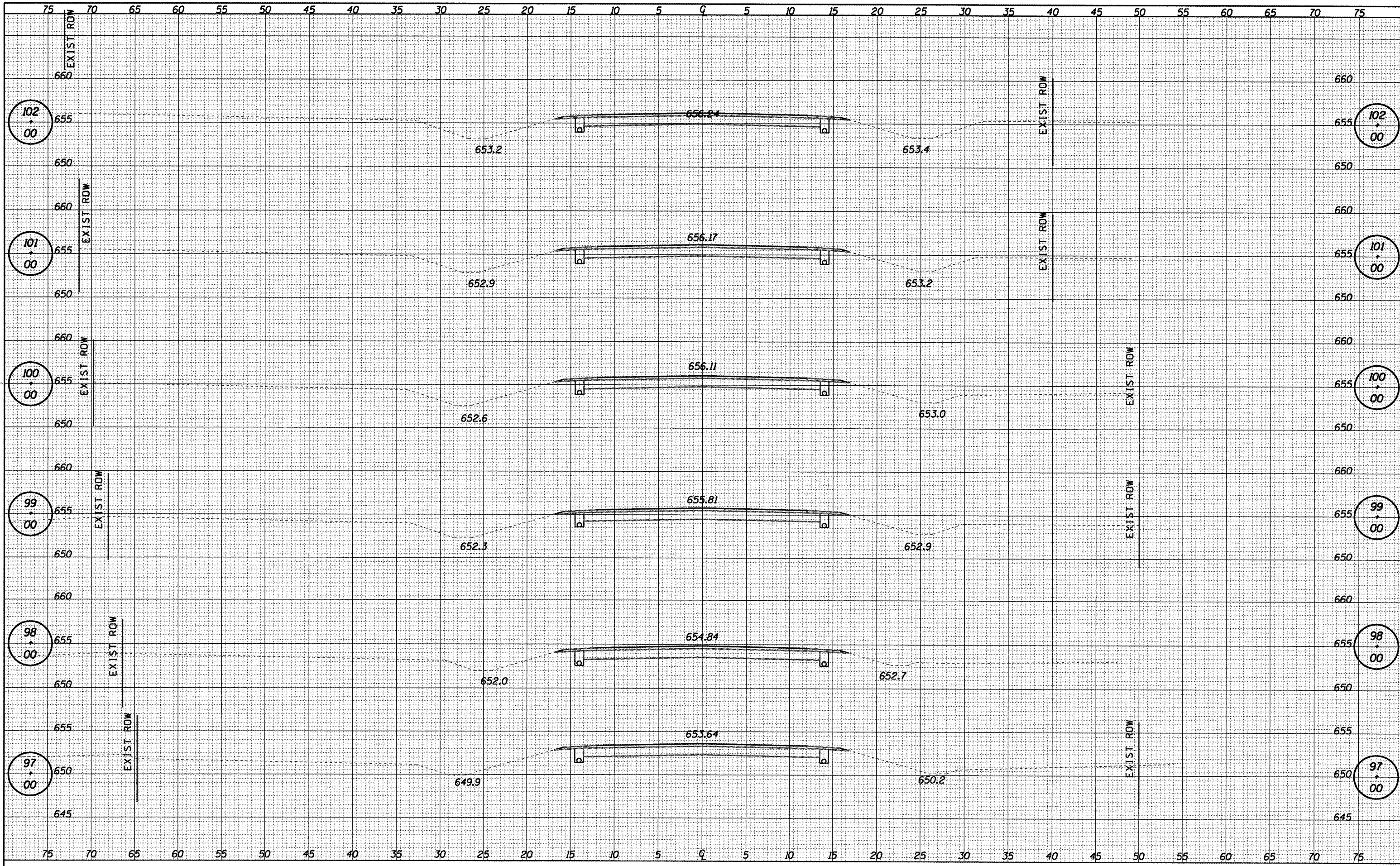
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CUMMINS ENGINEERING CORPORATION JOB = 2096.i FILE NAME = 2096xsecCH13.dgn PLOT SCALE = 10.00 ft / IN. PLOT DATE = 12/22/2008	DESIGNED - NAK	REVISED -	MOULTRIE COUNTY BETHANY FINDLAY RD. IMPROVEMENTS CROSS SECTIONS - CH 13 SCALE: SHEET NO. OF SHEETS STA. 94+00 TO STA. 96+00	F.A.S. RITE 650	SECTION 02-00062-01-PV	COUNTY MOULTRIE	TOTAL SHEETS 44	SHEET NO. 42	
	DRAWN - AJH	REVISED -		CH 13, BETHANY FINDLAY RD.	CONTRACT NO. 95568	ILLINOIS FED. AID PROJECT			
	CHECKED - NAK	REVISED -							
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CUMMINS ENGINEERING CORPORATION

JOB # 2096.1
 FILE NAME = 2096xsecCH13.dgn
 PLOT SCALE = 10.00 ft / IN.
 PLOT DATE = 12/22/2008

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**MOULTRIE COUNTY
 BETHANY FINDLAY RD. IMPROVEMENTS**

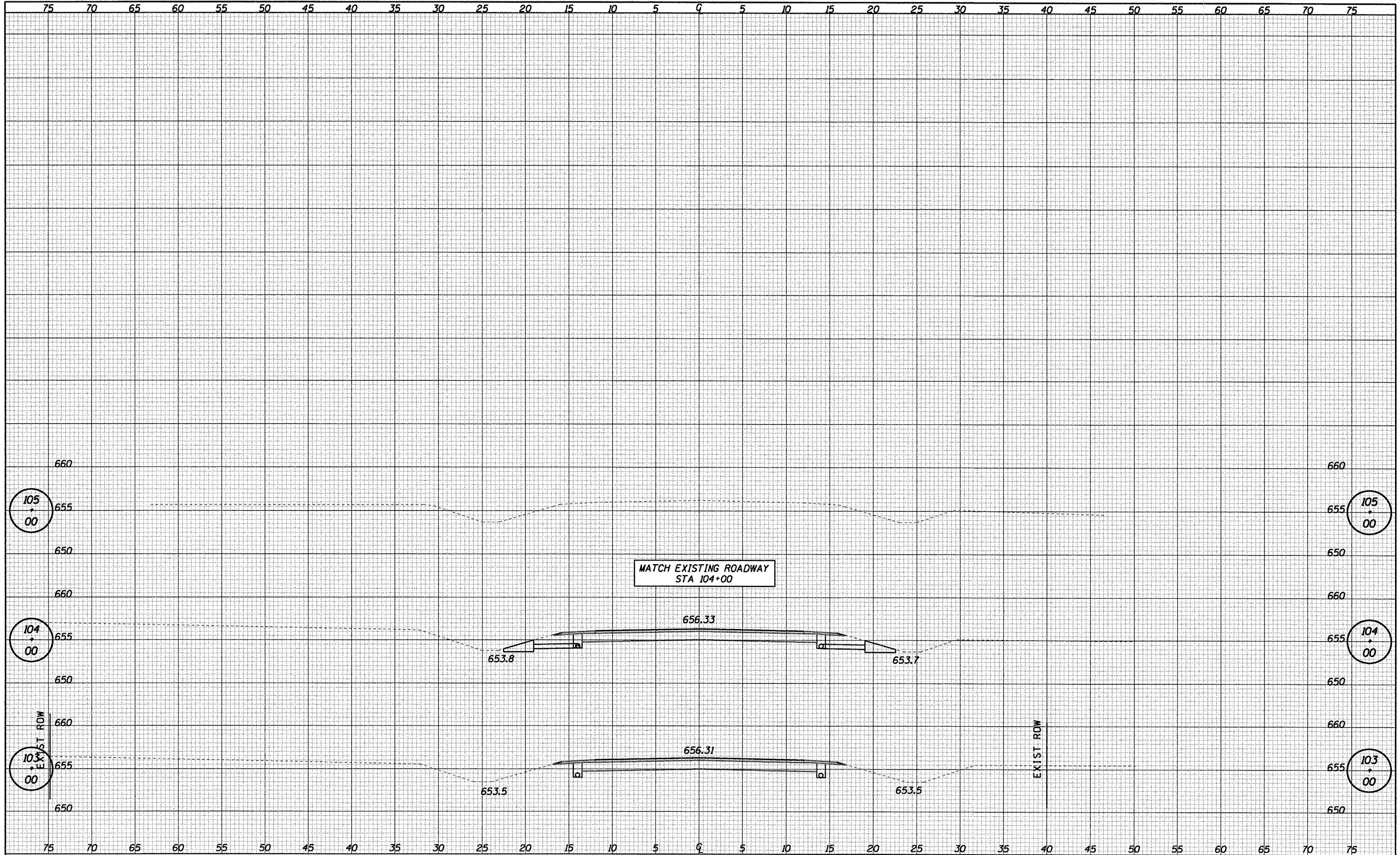
CROSS SECTIONS - CH 13

SCALE: SHEET NO. OF SHEETS STA. 97+00 TO STA. 102+00

F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
650	02-00062-01-PV	MOULTRIE	44	43
CH 13, BETHANY FINDLAY RD.		CONTRACT NO. 95568		
FED. ROAD DIST. NO.		[ILLINOIS] FED. AID PROJECT		

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CUMMINS ENGINEERING CORPORATION

JOB = 2096.1
 FILE NAME = 2896xsecCH13.dgn
 PLOT SCALE = 10.00 ft / IN.
 PLOT DATE = 12/22/2008

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DATE	- 10/15/2008	REVISED	-

**MOULTRIE COUNTY
 BETHANY FINDLAY RD. IMPROVEMENTS**

CROSS SECTIONS - CH 13

SCALE: SHEET NO. OF SHEETS STA. 103+00 TO STA. 105+00

F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
650	02-00062-01-PV	MOULTRIE	44	44
CH 13, BETHANY FINDLAY RD.		CONTRACT NO. 95568		
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		