

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
327	15B-1	MARION	58	1

CONTRACT NO. 76A59  
\*58+2=60

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION  
DIVISION OF HIGHWAYS

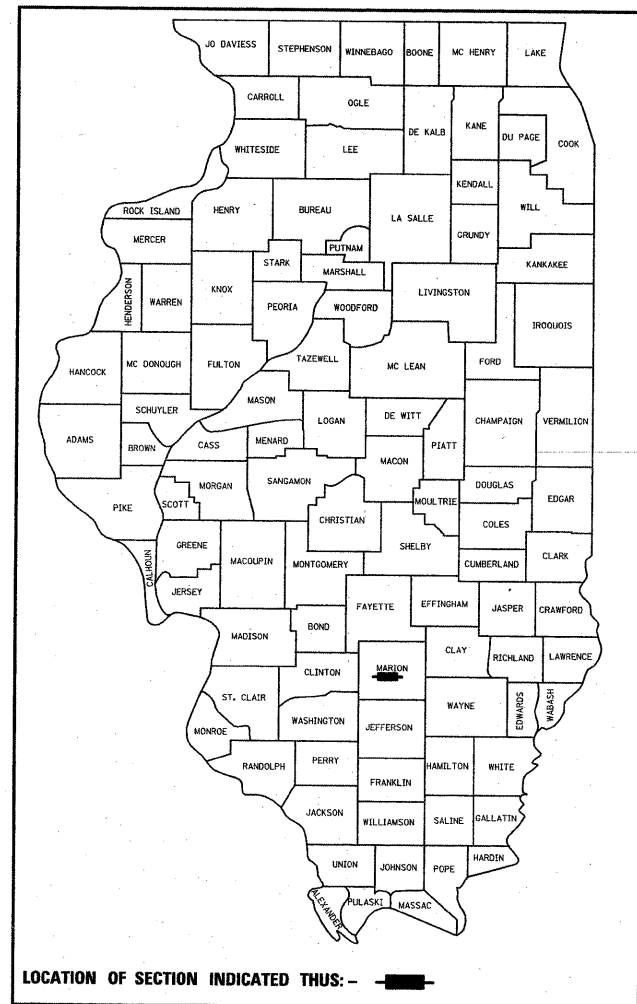
**PROPOSED  
HIGHWAY PLANS**

FAP ROUTE 327 (US 50)  
SECTION 15B-1  
PROJECT: ACBRF-0327(046)  
STRUCTURE REPLACEMENT  
MARION COUNTY

C-98-032-07

FOR INDEX OF SHEETS, SEE SHEET NO. 2

D-98-030-07



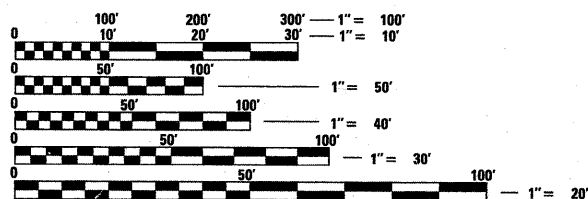
LOCATION OF SECTION INDICATED THUS: - ■ -

**DESIGN DESIGNATION**

1284(30) ARTERIAL 3.81 (FD-20)

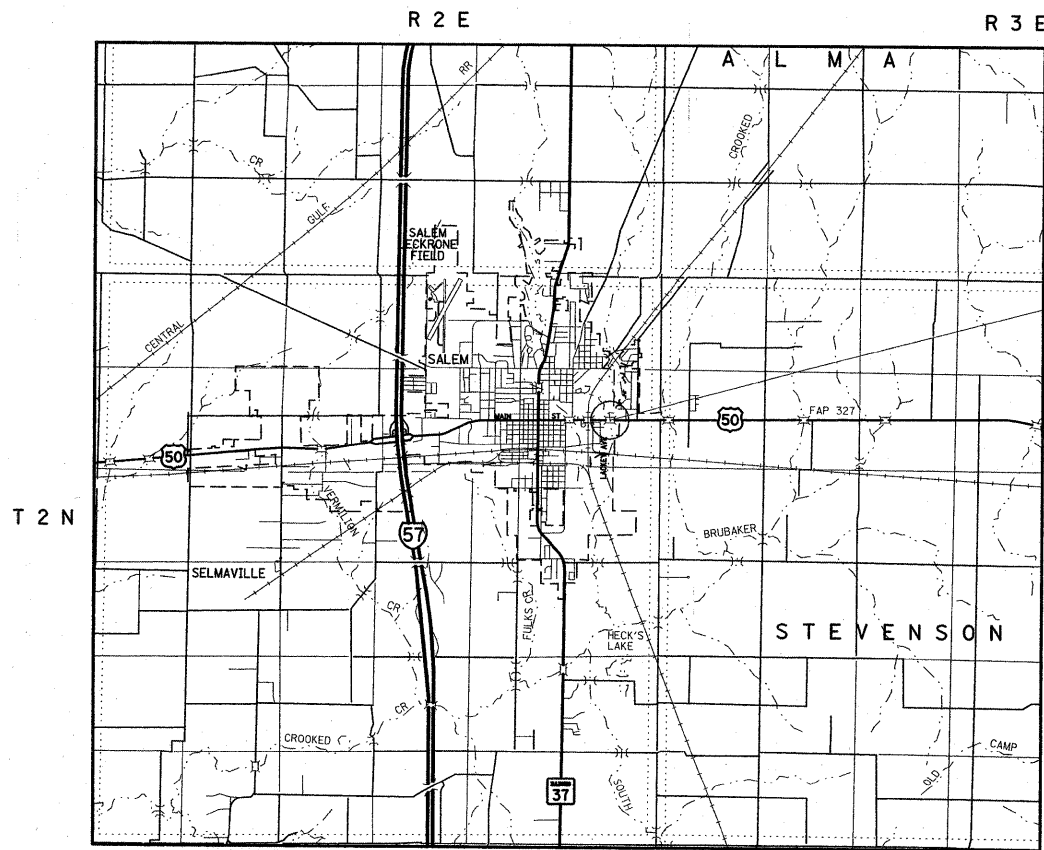
**ADT**

ADT: 8,400 (2005)  
ADT: 10,700 (2030)  
SU: 3.9%  
MU: 5.1%

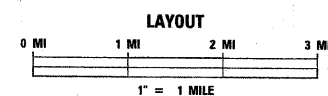


FULL SIZE PLANS HAVE BEEN PREPARED USING STANDARD ENGINEERING SCALES. REDUCED SIZED PLANS WILL NOT CONFORM TO STANDARD SCALES. IN MAKING MEASUREMENTS ON REDUCED PLANS, THE ABOVE SCALES MAY BE USED.

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



SLAB STRUCTURE TO BE REPLACED WITH A TRIPLE BOX CULVERT OVER LACKEY CREEK  
STA 104+16.83  
SN 061-0036 (E)  
SN 061-2026 (P)



GROSS LENGTH = 1200 FT. = 0.227 MILE

LATITUDE: 38.6276°  
LONGITUDE: 88.9318°

PROJECT ENGINEER: PATTI LeBEAU (618) 346-3179  
PROJECT MANAGER: ARTHUR MUEHLFELD (618) 346-3209

CONTRACT NO. 76A59

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION  
DIVISION OF HIGHWAYS

SUBMITTED Oct. 14 20 09  
Mr. C. P. ...  
DEPUTY DIRECTOR OF HIGHWAYS, REGION 5 ENGINEER

January 29, 20 10  
Scott E. Stolt P.E. / AD  
Acting ENGINEER OF DESIGN AND ENVIRONMENT

January 29, 20 10  
Christine M. Reed / AD  
DIRECTOR OF HIGHWAYS, CHIEF ENGINEER

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OF THE STATE OF ILLINOIS**

GENERAL NOTES:

1. THE STANDARDS AND REVISION NUMBERS SHALL APPLY TO THIS PROJECT.
  2. THE CONTRACTOR SHALL VERIFY ALL DIMENSIONS AND CONDITIONS IN THE FIELD PRIOR TO CONSTRUCTION AND ORDERING OF MATERIALS.
  3. ILLINOIS STATE LAW REQUIRES A 48-HOUR NOTICE BE GIVEN TO ALL UTILITIES WITHIN THE PROJECT AREA BEFORE DIGGING. FIELD MARKING OF FACILITIES MAY BE OBTAINED BY CONTACTING J.U.L.I.E. OR FOR NON-MEMBERS, THE UTILITY COMPANY DIRECTLY. AGENCIES KNOWN TO HAVE FACILITIES WITHIN THE PROJECT AREA ARE AS FOLLOWS:
    - AMERENIP (GAS & ELECTRIC)
    - ATMOS ENERGY (GAS)
    - CHARTER COMMUNICATIONS (CABLE)
    - CITY OF SALEM (WATER, GAS, & SANITARY SEWER)
    - AT&T (COMMUNICATIONS)
    - TRI-COUNTY ELECTRIC COOP. (ELECTRIC)
    - US SONET (COMMUNICATIONS)
- MEMBERS OF J.U.L.I.E. (800) 892-0123 ARE INDICATED BY \*.  
NON-MEMBERS MUST BE NOTIFIED INDIVIDUALLY.
4. THE WIDTHS OF HOT-MIX-ASPHALT SURFACE REMOVAL SHOWN ON THE PLANS ARE THE NOMINAL WIDTHS. IRREGULARITIES IN THE SURFACE WIDTH MAY OCCUR THROUGHOUT THE LENGTHS OF THE SECTION. HOT-MIX-ASPHALT SURFACE REMOVAL WILL BE PAID FOR IN SQUARE YARDS BASED UPON THE NOMINAL WIDTHS INDICATED.
  5. IN THE AREA OF THE SHOULDER CONSTRUCTION, THE CONTRACTOR SHALL PLACE TYPE C AGGREGATE IN THE EXCAVATED AREA BELOW THE PROPOSED SHOULDER. THE COST WILL BE INCLUDED IN THE HOT-MIX ASPHALT SHOULDER QUANTITY.
  6. THE ESTIMATED QUANTITY OF 118 TONS OF CUTTINGS IS FROM THE HOT-MIX ASPHALT SURFACE REMOVAL OPERATIONS.
  7. ALL SIDE ROAD RESURFACED WILL REQUIRE A BUTT JOINT. THE BUTT JOINT AND TEMPORARY RAMP WILL NOT BE PAID FOR SEPARATELY, BUT INCLUDED IN THE COST OF HMA SURFACE REMOVAL - BUTT JOINT.
  8. AN ADDITIONAL QUANTITY OF 58 TONS OF AGGREGATE FOR TEMPORARY ACCESS, TYPE B HAS BEEN INCLUDED IN THE PLANS FOR THE PURPOSE OF MAINTAINING ACCESS TO ENTRANCES DURING THEIR RECONSTRUCTION.
  9. THE DISTRICT'S NUCLEAR DENSITY SUPERVISOR SHALL BE CONTACTED UPON COMPLETION OF THE SUB-GRADE AND PRIOR TO THE LIME MODIFICATION PROCESS TO DETERMINE THE NECESSITY OF THE LIME MODIFICATION. IF THE SUB-GRADE IS FOUND NOT TO REQUIRE REMEDIAL PROCEDURES, THE LIME MODIFICATION WILL NOT BE CONDUCTED.
  10. RIGHT-OF-WAY MARKERS SHALL BE SET SO THE BACK OF THE POST IS TWELVE INCHES (12") INSIDE THE RIGHT OF WAY BOUNDARY. RIGHT OF WAY PROPERTY CORNERS ARE MARKED BY A 5/8" IRON ROD WITH IDOT ALUMINUM CAP AND SHALL NOT BE REMOVED OR DAMAGED WHEN SETTING THE RIGHT OF WAY MARKERS.
  11. ALL EXISTING AND PROPOSED RIGHT-OF-WAY LINES AND PROPERTY LINES SHOWN ON THE PLAN SHEETS ARE GRAPHICAL REPRESENTATIONS AND SHALL NOT BE USED AS A MEANS TO ESTABLISH OWNERSHIP. IN ALL MATTERS RELATING TO RIGHT-OF-WAY, THE PLAT OF HIGHWAYS SHALL BE THE CONTROLLING DOCUMENT.
  12. IF THE CONTRACTOR, FOR HIS CONSTRUCTION ACTIVITY, REMOVES TREES WITHIN THE RIGHT-OF-WAY LIMITS WHICH ARE NOT DESIGNATED ON THE PLANS FOR REMOVAL, I.E. IN ORDER TO GAIN ACCESS TO THE PROJECT SITE; IT WILL BE HIS RESPONSIBILITY TO REPLACE THE TREES AT A 1:1 RATIO. THE TREES WILL BE REPLACED WITH A 1 GALLON NATIVE ILLINOIS TREE SPECIES AND SHALL BE APPROVED BY THE ENGINEER. THE TREE REMOVAL AND TREE REPLACEMENT WILL BE AT THE CONTRACTOR'S EXPENSE, AND NO ADDITIONAL COMPENSATION WILL BE ALLOWED.
  13. THE CONTRACTOR SHALL FURNISH AND INSTALL WOOD SIGN SUPPORTS IN ACCORDANCE WITH SECTION 730 OF THE STANDARD SPECIFICATIONS, HOWEVER, INSTALLATION BY METHOD "A" (ARTICLE 730.04(A)) SHALL BE THE ONLY METHOD PERMITTED.
  14. ALL EXCAVATION ADJACENT TO THE EDGE OF PAVEMENT SHALL BE PROTECTED WITH EXTENDED LEG BARRICADES AND APPROPRIATE LIGHTS.
  15. A QUANTITY OF 562.5 FEET OF "TEMPORARY PAVEMENT MARKING - LINE 6" WHITE HAS BEEN INCLUDED IN THE PLANS FOR PAINTING THE BOTTOM 6" OF THE TEMPORARY CONCRETE BARRIER.
  16. NO OPEN TRENCHES SHALL BE PERMITTED DURING WINTER SHUTDOWN OR AS DIRECTED BY THE ENGINEER.

INDEX OF SHEETS

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HIGHWAY STANDARDS

000001-05	606006-02	701006-03
001001-02	606201-02	701306-02
001006	630001-08	701321-10
202001-01	630101-08	701326-03
280001-05	630301-05	701901-01
482001-02	635006-03	704001-06
515001-03	635011-02	780001-02
606001-04	666001-01	781001-03
	667101-01	

EROSION AND SEDIMENT CONTROL NOTES:

1. ALL EROSION CONTROL PRODUCTS FURNISHED SHALL BE SPECIFICALLY RECOMMENDED BY THE MANUFACTURER FOR THE USE SPECIFIED IN THE EROSION CONTROL PLAN. PRIOR TO APPROVAL AND USE OF THE PRODUCT, THE CONTRACTOR SHALL SUBMIT TO THE ENGINEER A NOTARIZED CERTIFICATION BY THE PRODUCER STATING THE INTENDED USE OF THE PRODUCT AND THAT THE PHYSICAL PROPERTIES REQUIRED FOR THIS APPLICATION ARE MET OR EXCEEDED. THE CONTRACTOR SHALL PROVIDE MANUFACTURER RECOMMENDED INSTALLATION PROCEDURES TO FACILITATE THE ENGINEER IN CONSTRUCTION INSPECTION.
2. STRAW BALES, HAY BALES, PERIMETER EROSION BARRIER, AND SILT FENCES WILL NOT BE PERMITTED FOR TEMPORARY OR PERMANENT DITCH CHECKS. DITCH CHECKS SHALL BE COMPOSED OF AGGREGATE, SILT PANELS, ROLLED EXCELSIOR, URETHANE FOAM/GEOTEXTILE (SILT WEDGES), EARTH MEDIAN AND/OR OTHER MATERIAL APPROVED BY THE EROSION AND SEDIMENT CONTROL COORDINATOR.
3. TEMPORARY DITCH CHECK, GEOTEXTILES, ROLLED EXCELSIOR, SILT WEDGES, PANELS SHALL BE LOCATED AT EVERY 1.5 FT FALL/RISE IN DITCH GRADE.
4. TEMPORARY DITCH CHECKS, AGGREGATE USES GRADING NO. 3 - REMOVE AT END OF CONSTRUCTION.
5. TEMPORARY SEEDING SHALL BE COMPLETED ON A WEEKLY BASIS ON EXPOSED GROUND AND SHALL BE PAID FOR AS "TEMPORARY EROSION CONTROL SEEDING" AND NO OTHER PAYMENT WILL BE PERMITTED. FOR CALCULATION PURPOSES, THREE APPLICATIONS OF TEMPORARY SEEDING WERE ASSUMED.
6. ALL AREAS DISTURBED FOR ANY REASON SHALL BE PERMANENTLY SEEDED AS DIRECTED BY THE ENGINEER. ALL AREAS DISTURBED BY THE CONTRACTOR OUTSIDE THE PROPOSED CONSTRUCTION LIMITS SHALL BE SEEDED AT THE CONTRACTOR'S EXPENSE.
7. CLASS 2 SEEDING AND EROSION CONTROL BLANKET IS TO BE PLACED AS SOON AS EARTHWORK IS COMPLETED.
8. EARTH STOCKPILES SHALL BE TEMPORARILY SEEDED IF THEY ARE TO REMAIN UNUSED FOR MORE THAN FOURTEEN DAYS.
9. FINAL SEEDING SHALL BE PERFORMED AS SOON AS POSSIBLE.

COMMITMENTS:

THE PIPE CULVERT UNDER THE COMMERCIAL ENTRANCE AT TA. 1249+03.02 (E), 106+78.25 (P) LT, WILL BE REMOVED AND REPLACED WITH THIS PROJECT. THE PIPE SHALL BE REPLACED DURING STAGE I CONSTRUCTION. THE PROPERTY OWNER (TERRY ELLIPS) SHALL BE NOTIFIED TWO WEEKS PRIOR TO ANY WORK ON THEIR ENTRANCE. THIS ENTRANCE IS TO REMAIN OPEN DURING CONSTRUCTION.

TWO COMMERCIAL ENTRANCES WILL BE TEMPORARILY CLOSED DURING STAGE II CONSTRUCTION. THE PROPERTY OWNERS SHALL BE NOTIFIED TWO WEEKS PRIOR TO THE TEMPORARILY CLOSURE.

EX. STA.	PROP. STA.	PROPERTY CONTACT	PHONE
1254+40.62	101+35	GREG BOYT	8-548-9908
1248+43.04	107+46	JAMES ALLGYER	8-548-2420

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		CHECKED -	REVISED -
		DATE -	REVISED -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**INDEX OF SHEETS, GENERAL NOTES,  
& HIGHWAY STANDARDS**

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

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
327	15B-1	MARION	58	2
<b>CONTRACT NO. 76A59</b>				
ILLINOIS FED. AID PROJECT				

# SUMMARY OF QUANTITIES

SUMMARY OF QUANTITIES			<small>URBAN 80% FED. 20% STATE TOTAL</small> QUANTITIES	CONSTRUCTION TYPE CODE	
CODE NO	ITEM	UNIT		X028-2A	I000-2A
20100110	TREE REMOVAL ( 6 TO 15 UNITS DIAMETER)	UNIT	279		279
20100210	TREE REMOVAL ( OVER 15 UNITS DIAMETER)	UNIT	185		185
20200100	EARTH EXCAVATION	CU YD	1625		1625
20201200	REMOVAL AND DISPOSAL OF UNSUITABLE MATERIAL	CU YD	140.6	140.6	
20400800	FURNISHED EXCAVATION	CU YD	990		990
25000200	SEEDING, CLASS 2	ACRE	0.75		0.75
25000400	NITROGEN FERTILIZER NUTRIENT	POUND	76.5		76.5
25000500	PHOSPHORUS FERTILIZER NUTRIENT	POUND	76.5		76.5
25000600	POTASSIUM FERTILIZER NUTRIENT	POUND	76.5		76.5
25100115	MULCH, METHOD 2	ACRE	0.75		0.75
28000250	TEMPORARY EROSION CONTROL SEEDING	POUND	150		150
28000305	TEMPORARY DITCH CHECKS	FOOT	60		60
28000400	PERIMETER EROSION BARRIER	FOOT	863.5		863.5
28100105	STONE RIPRAP, CLASS A3	SQ YD	26.3		26.3
28100109	STONE RIPRAP, CLASS A5	SQ YD	368	368	
28200200	FILTER FABRIC	SQ YD	368	368	
30200650	PROCESSING MODIFIED SOIL 12"	SQ YD	1543		1543
30201500	LIME	TON	29.8		29.8
35100100	AGGREGATE BASE COURSE, TYPE A	TON	134		134
40201000	AGGREGATE FOR TEMPORARY ACCESS	TON	58		58
40600200	BITUMINOUS MATERIALS ( PRIME COAT)	TON	1		1
40600300	AGGREGATE ( PRIME COAT)	TON	4.8		4.8
40600982	HOT-MIX ASPHALT SURFACE REMOVAL - BUTT JOINT	SQ YD	260		260
40603085	HOT-MIX ASPHALT BINDER COURSE, IL-19.0, N70	TON	1505		1505
40603340	HOT-MIX ASPHALT SURFACE COURSE, MIX "D", N70	TON	368		368
40800050	INCIDENTAL HOT-MIX ASPHALT SURFACING	TON	128		128
44000100	PAVEMENT REMOVAL	SQ YD	1627		1627
44000155	HOT-MIX ASPHALT SURFACE REMOVAL, 1 1/2"	SQ YD	1409		1409
44000500	COMBINATION CURB AND GUTTER REMOVAL	FOOT	612		612
44003800	MEDIAN SURFACE REMOVAL	SQ FT	222.1		222.1
44004250	PAVED SHOULDER REMOVAL	SQ YD	540		540
48100500	AGGREGATE SHOULDERS, TYPE A 6"	SQ YD	559		559
48203035	HOT-MIX ASPHALT SHOULDERS, 9 1/2"	SQ YD	802		802
48203100	HOT-MIX ASPHALT SHOULDERS	TON	1		1
50100100	REMOVAL OF EXISTING STRUCTURES	EACH	1	1	

SUMMARY OF QUANTITIES			<small>URBAN 80% FED. 20% STATE TOTAL</small> QUANTITIES	CONSTRUCTION TYPE CODE	
CODE NO	ITEM	UNIT		X028-2A	I000-2A
50105220	PIPE CULVERT REMOVAL	FOOT	100		100
50800105	REINFORCEMENT BARS	POUND	41510	41510	
50800515	BAR SPLICERS	EACH	192	192	
51500100	NAME PLATES	EACH	1	1	
54003000	CONCRETE BOX CULVERTS	CU YD	215.1	215.1	
542D1075	PIPE CULVERTS, CLASS D, TYPE 2 30"	FOOT	55		55
55100500	STORM SEWER REMOVAL 12"	FOOT	9		9
59300100	CONTROLLED LOW-STRENGTH MATERIAL	CU YD	1		1
60255500	MANHOLES TO BE ADJUSTED	EACH	1		1
60500060	REMOVING INLETS	EACH	2		2
60605000	COMBINATION CONCRETE CURB AND GUTTER, TYPE B-6.24	FOOT	443		443
60618300	CONCRETE MEDIAN SURFACE, 4 INCH	SQ FT	351.8		351.8
*63000001	STEEL PLATE BEAM GUARD RAIL, TYPE A, 6 FOOT POSTS	FOOT	350		350
*63000025	STEEL PLATE BEAM GUARD RAIL, ATTACHED TO STRUCTURES	FOOT	76		76
*63100167	TRAFFIC BARRIER TERMINAL, TYPE 1 (SPECIAL) TANGENT	EACH	4		4
63200310	GUARDRAIL REMOVAL	FOOT	619		619
66600105	FURNISHING AND ERECTING RIGHT-OF-WAY MARKERS	EACH	4		4
66700205	PERMANENT SURVEY MARKERS, TYPE I	EACH	8		8
67000400	ENGINEER'S FIELD OFFICE, TYPE A	CAL MO	7		7
67100100	MOBILIZATION	L SUM	1		1
70100460	TRAFFIC CONTROL AND PROTECTION, STANDARD 701306	L SUM	1		1
70100500	TRAFFIC CONTROL AND PROTECTION, STANDARD 701326	L SUM	1		1
70101205	TRAFFIC CONTROL AND PROTECTION, STANDARD 701321 (SPECIAL)	EACH	1	1	
70103815	TRAFFIC CONTROL SURVEILLANCE	CAL DA	75		75
70106500	TEMPORARY BRIDGE TRAFFIC SIGNALS	EACH	1	1	
70106700	TEMPORARY RUMBLE STRIP	EACH	6	6	
70300100	SHORT-TERM PAVEMENT MARKING	FOOT	206		206
70300220	TEMPORARY PAVEMENT MARKING - LINE 4"	FOOT	3477		3477
70300240	TEMPORARY PAVEMENT MARKING - LINE 6"	FOOT	225	225	
70301000	WORK ZONE PAVEMENT MARKING REMOVAL	SQ FT	1228		1228
70400100	TEMPORARY CONCRETE BARRIER	FOOT	225	225	
*78000200	THERMOPLASTIC PAVEMENT MARKING - LINE 4"	FOOT	3477		3477
*78100100	RAISED REFLECTIVE PAVEMENT MARKER	EACH	15		15
*78200410	GUARDRAIL MARKERS, TYPE A	EACH	8		8
*78201000	TERMINAL MARKER - DIRECT APPLIED	EACH	4		4

*\*Specialty Items*

# SUMMARY OF QUANTITIES

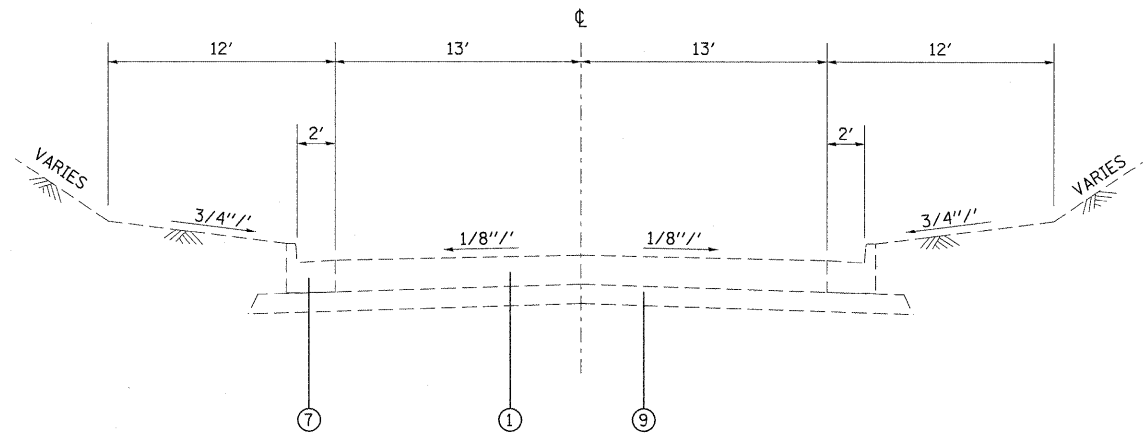
SUMMARY OF QUANTITIES			<i>URBAN 80% FED- 20% STATE TOTAL</i> QUANTITIES	CONSTRUCTION TYPE CODE	
CODE NO	ITEM	UNIT		X028-2A	I000-2A
78300100	PAVEMENT MARKING REMOVAL	SQ FT	784		784
78300200	RAISED REFLECTIVE PAVEMENT MARKER REMOVAL	EACH	15		15
X0323988	TEMPORARY SOIL RETENTION SYSTEM	SQ FT	467.2	467.2	
X0325110	BIAXIAL GEOGRID	SQ YD	221	221	
XX006929	REPLACE SECTION CORNER	EACH	1		1
Z0030240	IMPACT ATTENUATORS, TEMPORARY (NON-REDIRECTIVE), TEST LEVEL 2	EACH	2	2	
*Z0054517	ROCK FILL - FOUNDATION	TON	189.8	189.8	
© Z0076600	TRAINEES	HOUR	500	500	

*\*Specialty Items  
© Y080*

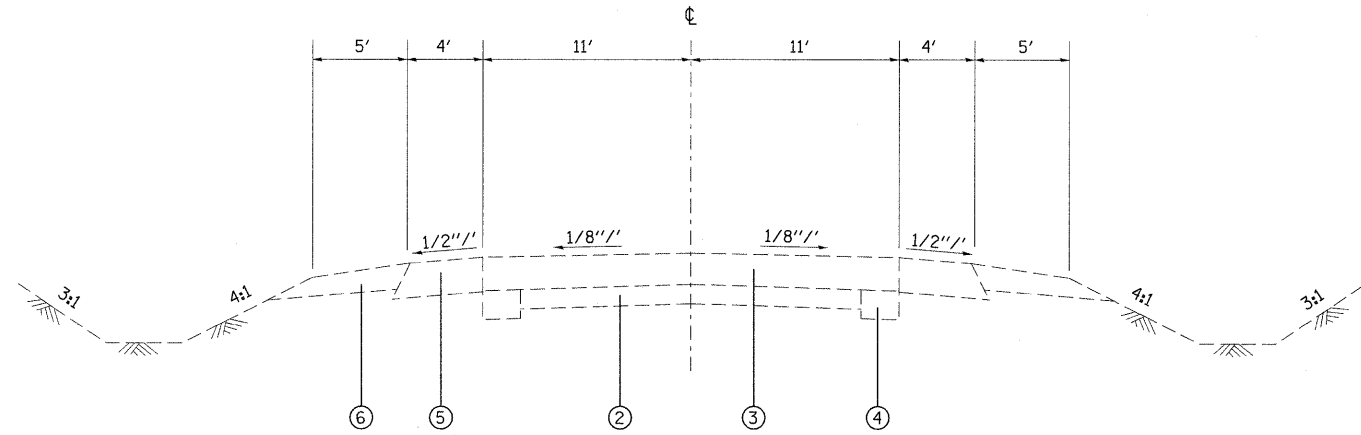
SUMMARY OF QUANTITIES			TOTAL QUANTITIES	CONSTRUCTION TYPE CODE	
CODE NO	ITEM	UNIT			



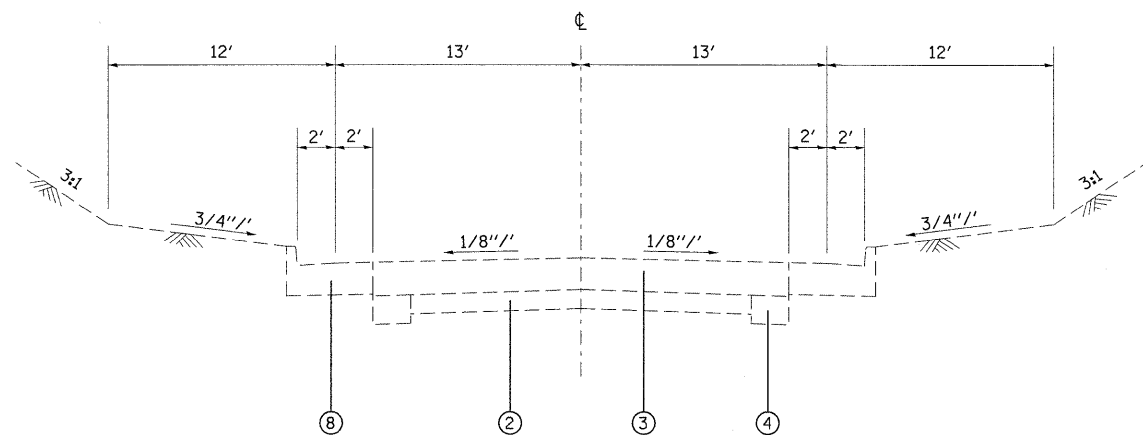
**STATION EQUATION**  
 STA. 98+00 = 1257+81.24  
 STA. 110+00 = 1245+84.21



**TANGENT SECTION**  
 STA. 1257+81.24 TO STA. 1255+69.25 (EX)  
 STA. 98+00.00 TO STA. 101+11.99 (PR)



**TANGENT SECTION**  
 STA. 1253+79.50 TO STA. 1251+81.00 (EX)  
 STA. 1251+51.00 TO STA. 1246+84.21 (EX)  
 STA. 102+00.35 TO STA. 103+97.50 (PR)  
 STA. 104+36.16 TO STA. 110+00.00 (PR)



**TANGENT SECTION**  
 STA. 1255+69.25 TO STA. 1253+79.50 (EX)  
 STA. 101+11.99 TO STA. 102+00.35 (PR)

**LEGEND**

- ① EXISTING PCC PAVEMENT - 9 1/4"
- ② EXISTING BITUMINOUS PAVEMENT - VARIES 2" TO 6"
- ③ EXISTING HMA RESURFACING - ±10"
- ④ EXISTING BASE COURSE WIDENING - 9"
- ⑤ EXISTING HOT-MIX ASPHALT SHOULDERS - ±9"
- ⑥ EXISTING AGGREGATE SHOULDER - 6"
- ⑦ EXISTING COMBINATION CURB AND GUTTER, TYPE B-6.24
- ⑧ EXISTING COMBINATION CURB AND GUTTER, TYPE B-6.24 (WITH 2' EXTENDED FLAG)
- ⑨ EXISTING SUB-BASE GRANULAR MATERIAL, TYPE A - 6"
- ⑩ PROPOSED HOT-MIX ASPHALT PAVEMENT REMOVAL (FULL-DEPTH)
- ⑪ PROPOSED HOT-MIX ASPHALT SURFACE REMOVAL - 1 1/2"
- ⑫ PROPOSED COMBINATION CURB AND GUTTER REMOVAL - TYPE B-6.24
- ⑬ PROPOSED PAVED SHOULDER REMOVAL
- ⑭ PROPOSED HOT-MIX ASPHALT BINDER COURSE- 14"
- ⑮ PROPOSED HOT-MIX ASPHALT BINDER COURSE- VARIABLE DEPTH
- ⑯ PROPOSED HOT-MIX ASPHALT SURFACE COURSE - 2"
- ⑰ PROPOSED COMBINATION CURB AND GUTTER, TYPE B-6.24
- ⑱ PROPOSED HOT-MIX ASPHALT SHOULDERS - 9 1/2"
- ⑲ PROPOSED HOT-MIX ASPHALT SHOULDERS - VARIABLE DEPTH
- ⑳ PROPOSED AGGREGATE SHOULDERS
- ㉑ PROPOSED LIME MODIFIED SOIL
- ㉒ PROPOSED GUARDRAIL

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**STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION**

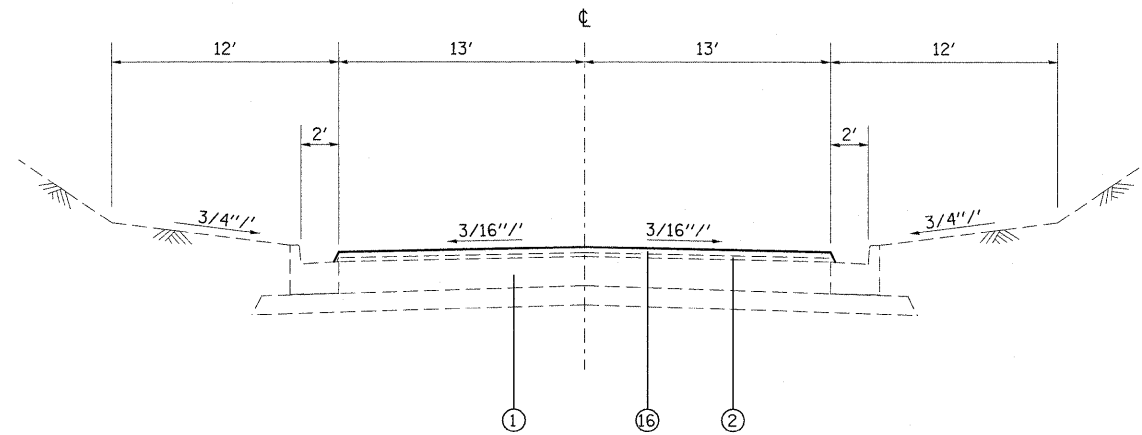
**EXISTING TYPICAL SECTIONS**

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
327	15B-1	MARION	58	4
<b>CONTRACT NO. 76A59</b>				

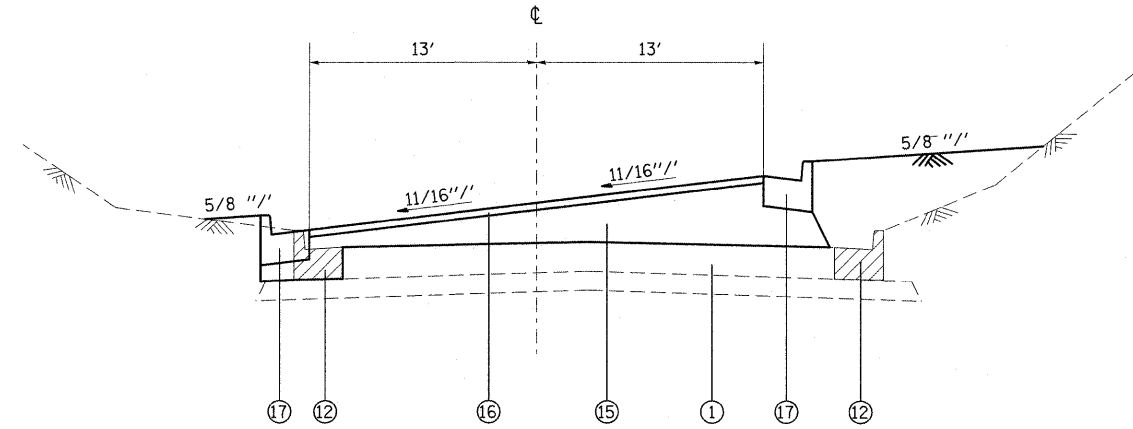
SCALE: SHEET NO. 1 OF 3 SHEETS STA. TO STA. ILLINOIS FED. AID PROJECT

**STATION EQUATION**

STA. 98+00 = 1257+81.24  
 STA. 110+00 = 1245+84.21



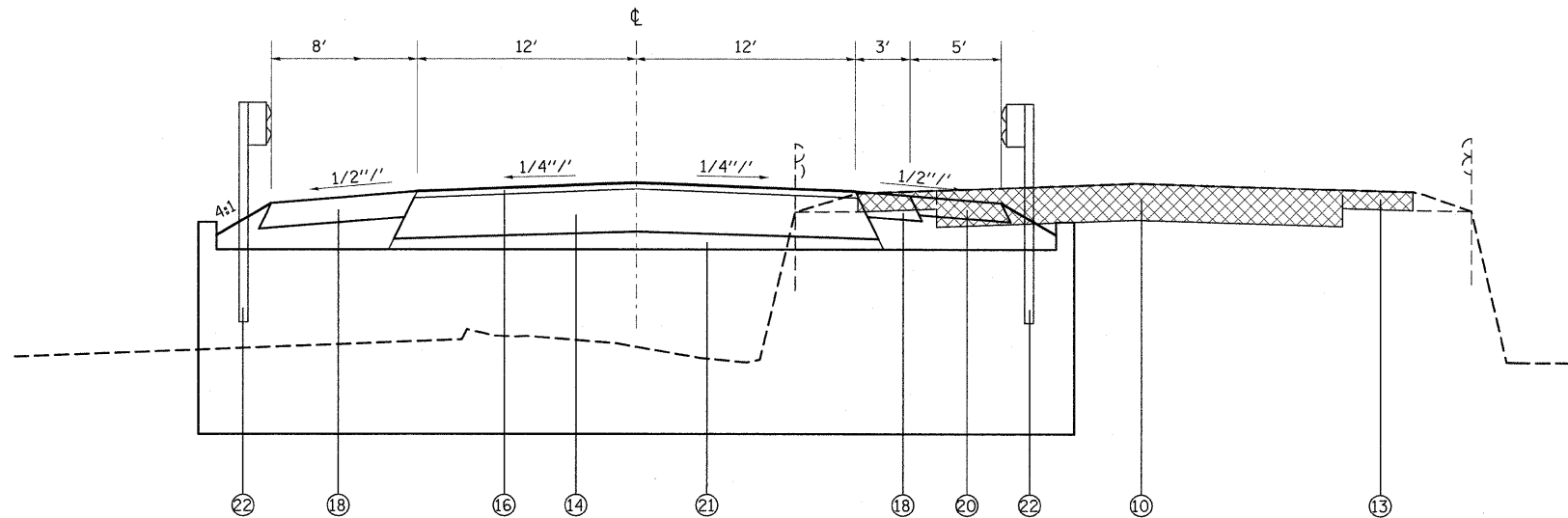
**TANGENT SECTION**  
 STA. 98+00.00 TO STA. 99+43.83



**SUPERELEVATED SECTION**  
 STA. 100+41 TO STA. 100+65

**LEGEND**

- ① EXISTING PCC PAVEMENT - 9 1/4"
- ② EXISTING BITUMINOUS PAVEMENT - VARIES 2" TO 6"
- ③ EXISTING HMA RESURFACING - ±10"
- ④ EXISTING BASE COURSE WIDENING - 9"
- ⑤ EXISTING HOT-MIX ASPHALT SHOULDERS - ±9"
- ⑥ EXISTING AGGREGATE SHOULDER - 6"
- ⑦ EXISTING COMBINATION CURB AND GUTTER, TYPE B-6.24
- ⑧ EXISTING COMBINATION CURB AND GUTTER, TYPE B-6.24 (WITH 2' EXTENDED FLAG)
- ⑨ EXISTING SUB-BASE GRANULAR MATERIAL, TYPE A - 6"
- ⑩ PROPOSED HOT-MIX ASPHALT PAVEMENT REMOVAL (FULL-DEPTH)
- ⑪ PROPOSED HOT-MIX ASPHALT SURFACE REMOVAL - 1 1/2"
- ⑫ PROPOSED COMBINATION CURB AND GUTTER REMOVAL - TYPE B-6.24
- ⑬ PROPOSED PAVED SHOULDER REMOVAL
- ⑭ PROPOSED HOT-MIX ASPHALT BINDER COURSE- 14"
- ⑮ PROPOSED HOT-MIX ASPHALT BINDER COURSE- VARIABLE DEPTH
- ⑯ PROPOSED HOT-MIX ASPHALT SURFACE COURSE - 2"
- ⑰ PROPOSED COMBINATION CURB AND GUTTER, TYPE B-6.24
- ⑱ PROPOSED HOT-MIX ASPHALT SHOULDERS - 9 1/2"
- ⑲ PROPOSED HOT-MIX ASPHALT SHOULDERS - VARIABLE DEPTH
- ⑳ PROPOSED AGGREGATE SHOULDERS
- ㉑ PROPOSED LIME MODIFIED SOIL
- ㉒ PROPOSED GUARDRAIL



**TANGENT SECTION**  
 STA. 104+11.25 TO STA. 104+22.28

MIXTURE USE	SURFACE	BINDER	SHOULDERS
AC/PG	PG 64-22	PG 64-22	PG 64-22
RAP % (MAX)	10%	15%	30%
DESIGN AIR VOIDS	4.0% @ Ndes=70	4.0% @ Ndes=70	2.0% @ Ndes=30
MIX COMPOSITION (GRADATION MIXTURE)		IL 19.0	
FRICTION AGG	MIXTURE "D"	MIXTURE "B"	BAM

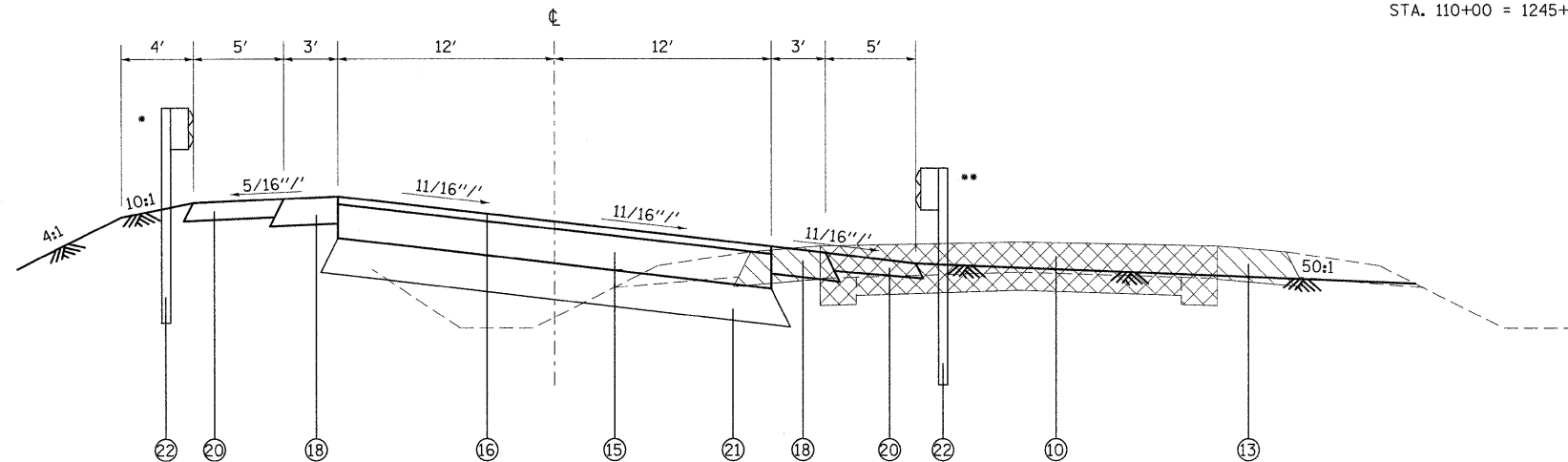
\*\* TOP LIFT SHOULDERS - DESIGN THIS MIX AT 2.0% VOIDS AND ADD ASPHALT TO REDUCE VOIDS TO 1.5%.

PLAN QUANTITIES FOR BITUMINOUS CONCRETE SURFACE COURSE ITEMS ARE CALCULATED USING A UNIT WEIGHT OF 112 LB/SQ YD/IN (59.8 KG/SQ M/25 MM THICKNESS).

STRUCTURAL DESIGN TRAFFIC: Year 2020  
 PV = 8900 SU = 381 MU = 499  
 ROAD/STREET CLASSIFICATION: Class II  
 PERCENT OF STRUCTURAL DESIGN TRAFFIC IN DESIGN LANE:  
 P = 91.0% S = 3.9% M = 5.1%  
 TRAFFIC FACTOR: Actual TF = 2.36 AC Type = 20  
 Minimum TF = 3.81  
 PG GRADE: Binder = PG 64-22 Surface = PG 64-22  
 SUBGRADE SUPPORT RATING: SSR = POOR

**STATION EQUATION**

STA. 98+00 = 1257+81.24  
 STA. 110+00 = 1245+84.21

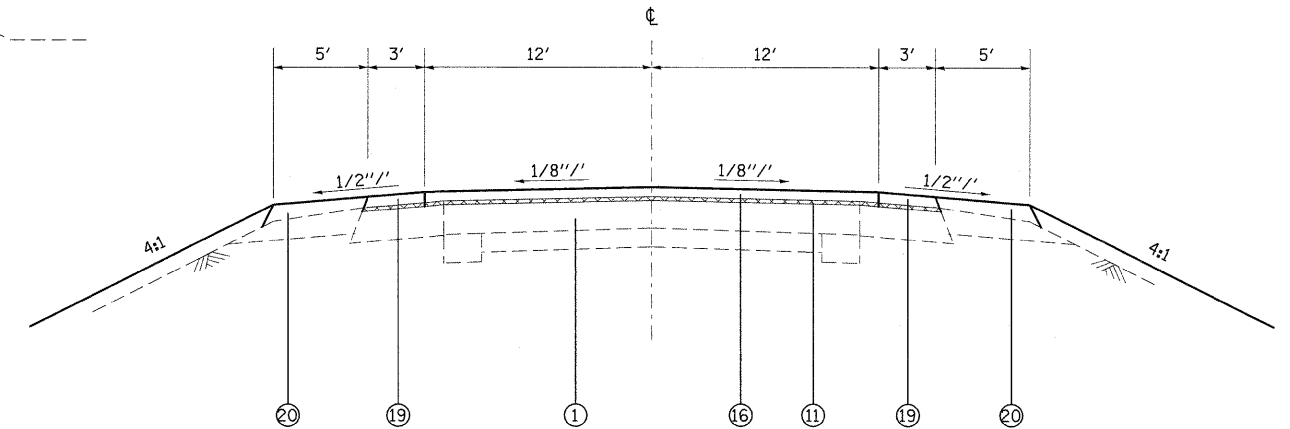


**SUPERELEVATED SECTION**

\* STA. 102+85.6 TO STA. 105+96.4

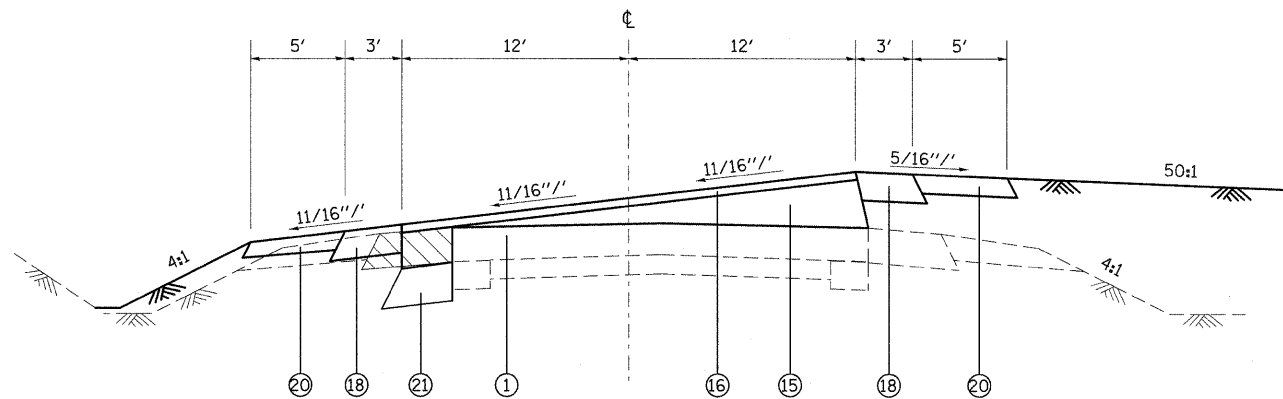
STA. 102+50.78 TO STA. 102+75.78  
 STA. 105+57.75 TO STA. 105+82.75

\*\* STA. 102+50.78 TO STA. 102+75.78



**TANGENT SECTION**

STA. 109+50.00 TO STA. 110+00.00



**SUPERELEVATED SECTION**

STA. 107+67.40 TO STA. 107+92.40

**LEGEND**

- ① EXISTING PCC PAVEMENT - 9 1/4"
- ② EXISTING BITUMINOUS PAVEMENT - VARIES 2" TO 6"
- ③ EXISTING HMA RESURFACING - ±10"
- ④ EXISTING BASE COURSE WIDENING - 9"
- ⑤ EXISTING HOT-MIX ASPHALT SHOULDERS - ±9"
- ⑥ EXISTING AGGREGATE SHOULDER - 6"
- ⑦ EXISTING COMBINATION CURB AND GUTTER, TYPE B-6.24
- ⑧ EXISTING COMBINATION CURB AND GUTTER, TYPE B-6.24 (WITH 2' EXTENDED FLAG)
- ⑨ EXISTING SUB-BASE GRANULAR MATERIAL, TYPE A - 6"
- ⑩ PROPOSED HOT-MIX ASPHALT PAVEMENT REMOVAL (FULL-DEPTH)
- ⑪ PROPOSED HOT-MIX ASPHALT SURFACE REMOVAL - 1 1/2"
- ⑫ PROPOSED COMBINATION CURB AND GUTTER REMOVAL - TYPE B-6.24
- ⑬ PROPOSED PAVED SHOULDER REMOVAL
- ⑭ PROPOSED HOT-MIX ASPHALT BINDER COURSE- 14"
- ⑮ PROPOSED HOT-MIX ASPHALT BINDER COURSE- VARIABLE DEPTH
- ⑯ PROPOSED HOT-MIX ASPHALT SURFACE COURSE - 2"
- ⑰ PROPOSED COMBINATION CURB AND GUTTER, TYPE B-6.24
- ⑱ PROPOSED HOT-MIX ASPHALT SHOULDERS - 9 1/2"
- ⑲ PROPOSED HOT-MIX ASPHALT SHOULDERS - VARIABLE DEPTH
- ⑳ PROPOSED AGGREGATE SHOULDERS
- ㉑ PROPOSED LIME MODIFIED SOIL
- ㉒ PROPOSED GUARDRAIL

FILE NAME =	USER NAME = harbaughrd	DESIGNED -	REVISED -
ct:\pwork\PWIDOT\HARBAUGH\RD\dms52290\1n03007a.dgn		DRAWN -	REVISED -
		CHECKED -	REVISED -
		DATE -	REVISED -

**STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION**

**PROPOSED TYPICAL SECTIONS**

SCALE: SHEET NO. 3 OF 3 SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
327	15B-1	MARION	58	6
<b>CONTRACT NO. 76A59</b>				
ILLINOIS FED. AID PROJECT				

EARTHWORK SCHEDULE

LOCATION	EARTH EXCAVATION	EARTH EXCAVATION ADJUSTED FOR SHRINKAGE	EMBANKMENT	EARTHWORK BALANCE WASTE (+) OR SHORTAGE (-)
	CU YD	CU YD	CU YD	CU YD
STA 99+00 TO STA 99+50	0.2	0.2	5.3	-5.1
STA 99+50 TO STA 100+00	0.2	0.2	13.4	-13.2
STA 100+00 TO STA 100+50	1.7	1.3	28.2	-26.9
STA 100+50 TO STA 101+00	4.5	3.4	17.0	-13.6
STA 101+00 TO STA 101+50	16.6	12.4	21.7	-9.3
STA 101+50 TO STA 102+00	9.9	7.4	85.5	-78.1
STA 102+00 TO STA 102+50	13.2	9.9	226.0	-216.1
STA 102+50 TO STA 103+00	21.7	16.3	297.9	-281.6
STA 103+00 TO STA 103+50	20.0	15.0	274.3	-259.3
STA 103+50 TO STA 104+00	146.9	110.2	290.3	-180.1
STA 104+00 TO STA 104+50	936.5	702.4	102.7	+599.7
STA 104+50 TO STA 105+00	62.2	46.7	290.4	-243.7
STA 105+00 TO STA 105+50	84.9	63.7	229.8	-166.1
STA 105+50 TO STA 106+00	97.5	73.1	123.4	-50.3
STA 106+00 TO STA 106+50	62.9	47.2	22.6	+24.6
STA 106+50 TO STA 107+00	28.4	21.3	33.2	-11.9
STA 107+00 TO STA 107+50	15.8	11.9	32.2	-20.3
STA 107+50 TO STA 108+00	33.5	25.1	39.9	-14.8
STA 108+00 TO STA 108+50	8.9	6.7	22.1	-15.4
STA 108+50 TO STA 109+00	26.1	19.6	25.4	-5.8
STA 109+00 TO STA 109+50	33.4	25.1	27.8	-2.7
TOTAL	1625.0	1219.1	2209.1	-990.0

RIGHT-OF-WAY MARKERS SCHEDULE

LOCATION	LT OR RT	OFFSET DISTANCE	FURNISHING AND ERECTING RIGHT-OF-WAY MARKERS EACH	PERMANENT SURVEY MARKERS EACH	SECTION CORNER MARKERS EACH
STA. 100+00.00				1	
STA. 100+98.26	LT	48.89	1		
STA. 101+03.00				1	
STA. 102+13.73				1	
STA. 103+16.77				1	
STA. 103+75.00	LT	72.22	1		
STA. 104+50.00	LT	72.25	1		
STA. 105+16.77				1	
STA. 106+19.73				1	
STA. 106+33.15*	RT	3.83			1
STA. 107+00.14	LT	44.68	1		
STA. 107+30.38				1	
STA. 108+33.38				1	
TOTAL			4	8	1

\* CENTER SECTION 12, T2N, R2E

TREE REMOVAL SCHEDULE

LOCATION	LT OR RT	OFFSET FOOT	TREE REMOVAL	
			6 TO 15 UNIT	> 15 UNIT
102+63.82	LT	44.44	12	
102+64.57	LT	51.78	6	
102+85.21	LT	37.76	10	
102+83.45	LT	42.71		24
102+87.97	LT	45.05		24
102+89.59	LT	42.18	10	
102+94.13	LT	42.94	12	
102+96.70	LT	35.94	6	
102+98.48	LT	37.07	6	
102+97.52	LT	54.97	10	
103+00.97	LT	43.42	6	
103+17.08	LT	44.88	6	
103+19.30	LT	42.66	8	
103+26.76	LT	26.03	8	
103+32.46	LT	24.44	8	
103+35.88	LT	28.23		20
103+38.19	LT	22.46	12	
103+38.05	LT	51.58	8	
103+54.19	LT	20.62	12	
103+64.33	LT	24.86		20
103+64.97	LT	43.57		20
103+73.48	LT	23.45	6	
103+88.02	LT	41.89		30
104+87.77	LT	34.82	6	
104+93.50	LT	44.64	6	
105+04.51	LT	41.08	6	
105+06.45	LT	30.12	6	
105+32.08	LT	27.76	6	
105+36.43	LT	46.06	10	
105+39.50	LT	18.61	6	
105+47.84	LT	50.03	8	
105+54.28	LT	19.44	6	
105+70.65	LT	25.58	6	
105+72.59	LT	34.64	6	
105+89.69	LT	33.72	6	
105+95.56	LT	39.29	6	
103+44.53	RT	68.93	12	
103+46.09	RT	68.84	12	
103+82.36	RT	72.98		30
SUBTOTAL			254	168
* GROWTH			25	17
TOTAL			279	185

\* ESTIMATED GROWTH FROM TIME OF SURVEY (10%).

SHOULDER & PAVEMENT SCHEDULE

LOCATION	PROCESSING MODIFIED SOIL 12"	LIME	HMA BINDER COURSE, IL-19.0, N70	BITUMINOUS MATERIALS (PRIME COAT)	AGGREGATE (PRIME COAT)	HMA SURFACE COURSE, MIX "D", N70	AGGREGATE BASE COURSE, TYPE A	INCIDENTAL HMA SURFACING	AGGREGATE SHOULDERS, TYPE A 6"	HMA SHOULDERS, 9 1/2"	HMA SHOULDERS	COMBINATION CONCRETE CURB & GUTTER, TYPE 6.24	CONCRETE MEDIAN SURFACE, 4"
STATION TO STATION	SQ YD	TON	TON	TON	TON	TON	TON	TON	SQ YD	SQ YD	TON	FOOT	FOOT
STA 98+00 TO STA 99+00				0.08	0.40	32.4							
STA 99+00 TO STA 100+00			31.3	0.09	0.40	32.4						153.0	
STA 100+00 TO STA 101+00			146.2	0.08	0.40	32.4						199.6	33.3
STA 101+00 TO STA 102+00	143.6	2.9	209.1	0.08	0.40	31.6			43.9	74.1		90.4	318.5
STA 102+00 TO STA 103+00	266.7	5.1	209.1	0.09	0.40	29.9			55.6	122.3			
STA 103+00 TO STA 104+00	266.7	5.1	209.1	0.08	0.40	29.9			55.6	122.3			
STA 104+00 TO STA 105+00	266.7	5.1	209.1	0.08	0.40	29.9			55.6	122.3			
STA 105+00 TO STA 106+00	266.7	5.1	209.1	0.09	0.40	29.9			55.6	122.3			
STA 106+00 TO STA 107+00	252.3	4.9	167.2	0.08	0.40	29.9			38.5	62.7	0.5		
STA 107+00 TO STA 108+00	80.3	1.6	83.5	0.08	0.40	29.9			90.4	42.4	0.5		
STA 108+00 TO STA 109+00			31.3	0.09	0.40	29.9			52.5	66.8			
STA 109+00 TO STA 110+00				0.08	0.40	29.9			111.3	66.8			
SIDE ROADS & ENTRANCES													
STA 98+86.00 RT								13.1					
STA 100+90.00 RT							16.8	6.3					
STA 101+35.00 RT							46.7	17.6					
STA 106+52.00 RT								19.6					
STA 106+78.25 LT								15.3					
STA 107+46.00 RT							70.5	26.5					
STA 108+40.00 LT								7.5					
STA 108+65.00 RT								22.1					
TOTAL	1543.0	29.8	1505.0	1.0	4.8	368.0	134.0	128.0	559.0	802.0	1.0	443.0	351.8

STAGING SCHEDULE

LOCATION	TEMPORARY CONCRETE BARRIER	TEMPORARY PAVEMENT MARKING - LINE 6"	IMPACT ATTENUATOR, TEMPORARY (NON-REDIRECTIVE)	TEMPORARY BRIDGE TRAFFIC SIGNALS	TEMPORARY RUMBLE STRIP
	FOOT	FOOT	EACH	EACH	EACH
STAGE I					
STAGE II	225	225	2	1	6
TOTAL	225	225	2	1	6

GUARDRAIL SCHEDULE

LOCATION	GUARDRAIL REMOVAL	STEEL PLATE BEAM GUARDRAIL, TYPE A	GUARDRAIL ATTACHED TO STRUCTURES	TRAFFIC BARRIER TERMINAL, TYPE 1 (SPECIAL) TANGENT	GUARDRAIL MARKERS, TYPE A	TERMINAL MARKERS - DIRECT APPLIED
	FOOT	FOOT	FOOT	EACH	EACH	EACH
NW QUADRANT		62.5		1		1
NE QUADRANT		112.5		1		1
SW QUADRANT		112.5		1		1
SE QUADRANT		62.5		1		1
EASTBOUND	309.5		38		4	
WESTBOUND	309.5		38		4	
TOTAL	619	350	76	4	8	4

PAVEMENT MARKING SCHEDULE

LOCATION	PAVEMENT MARKING REMOVAL			SHORT-TERM PAVEMENT MARKING	TEMPORARY PAVEMENT MARKING -4"			WORK ZONE PAVEMENT MARKING	THERMOPLASTIC PAVEMENT MARKING -4"			RAISED REFLECTIVE PAVEMENT MARKER REMOVAL	RAISED REFLECTIVE PAVEMENT MARKER		
	YELLOW		WHITE		YELLOW		WHITE		YELLOW		WHITE				
	SKIP-DASH	SOLID	SOLID		SKIP-DASH	SOLID	SOLID		SKIP-DASH	SOLID	SOLID				
STATION TO	STATION	SQ FT	SQ FT	SQ FT	FOOT	FOOT	FOOT	SQ FT	FOOT	FOOT	FOOT	EACH	EACH		
STA 98+00	TO STA. 99+00		66.8	66.8	17.1		200	200	139.1		200	200	1	1	
STA 99+00	TO STA. 100+00	1.7	40.1	66.8	17.1		20	120	200	119	20	120	200	2	2
STA 100+00	TO STA. 101+00	9.3	33.4	66.8	17.2		25	100	200	114.1	25	100	200	1	1
STA 101+00	TO STA. 102+00	7.2	26.7	53.8	17.2		25	100	200	114.1	25	100	200	1	1
STA 102+00	TO STA. 103+00				17.2		25	100	200	114.1	25	100	200	1	1
STA 103+00	TO STA. 104+00				17.2		25	20	200	87.5	25	20	200	2	2
STA 104+00	TO STA. 105+00				17.2		25		200	80.7	25		200	1	1
STA 105+00	TO STA. 106+00				17.2		25	200	80.7	25	200		200	1	1
STA 106+00	TO STA. 107+00	7.2		53.4	17.2		25	200	80.7	25	200		200	1	1
STA 107+00	TO STA. 108+00	9.3		66.8	17.2		25	200	80.7	25	200		200	2	2
STA 108+00	TO STA. 109+00	9.3		66.8	17.1		25	200	80.7	25	200		200	1	1
STA 109+00	TO STA. 110+00	9.3		66.8	17.1		25	200	80.8	25	200		200	1	1
STA 110+00	TO STA. 111+00	6.4		49.3			19	148	55.8	19	148				
SUBTOTAL		59.7	167	557.3			289	640	2548		289	640	2548		
TOTAL			784		206		3477		1228		3477		15	15	

REMOVAL SCHEDULE

LOCATION	HMA SURFACE REMOVAL - BUTT JOINT	PAVED SHOULDER REMOVAL	PAVEMENT REMOVAL	HMA SURFACE REMOVAL, 1 1/2"	COMBINATION CURB & GUTTER REMOVAL	MEDIAN SURFACE REMOVAL	STORM SEWER REMOVAL 12"	REMOVING INLETS
	SQ YD	SQ YD	SQ YD		FOOT	SQ FT	SQ FT	EACH
STA 1245+00 TO STA 1246+00	12.3	11.9		39.2				
STA 1246+00 TO STA 1247+00		72.5		244.5				
STA 1247+00 TO STA 1248+00		12.1		244.5				
STA 1248+00 TO STA 1249+00		44.8		245.7				
STA 1249+00 TO STA 1250+00		83.2	109.3	21.2				
STA 1250+00 TO STA 1251+00		83.2	287.6					
STA 1251+00 TO STA 1252+00		83.2	202.7					
STA 1252+00 TO STA 1253+00		83.2	287.6					
STA 1253+00 TO STA 1254+00		65.9	309.8		73.4			
STA 1254+00 TO STA 1255+00					222.8	222.1	9.0	2.0
STA 1255+00 TO STA 1256+00				90.4	200.0			
STA 1256+00 TO STA 1257+00				288.9	115.8			
STA 1257+00 TO STA 1258+00	14.5			234.6				
SIDE ROAD & ENTRANCES								
STA 98+86.60 RT	93.5							
STA 100+90.00 RT	4.5		37.7					
STA 101+35.00 RT	16.1		104.1					
STA 106+52.00 RT	103.5		157.1					
STA 107+46.00 RT	15.6		131.1					
TOTAL	260.0	540.0	1627.0	1409.0	612.0	222.1	9.0	2.0

EROSION CONTROL SCHEDULE

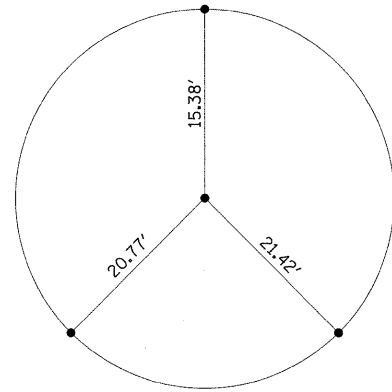
LOCATION	LT OR RT	OFFSET DISTANCE	TEMPORARY DITCH CHECKS	PERIMETER EROSION BARRIER	TEMPORARY EROSION CONTROL SEEDING	MULCH METHOD 2	STONE RIPRAP, CLASS A3
			FOOT	FOOT	POUND	ACRE	SQ FT
STA 98+00 TO STA 99+00							
STA 99+00 TO STA 100+00					6		0.03
STA 100+00 TO STA 101+00					6		0.03
STA 101+00 TO STA 102+00				80.6	10		0.05
STA 102+00 TO STA 103+00				182.3	26		0.13
STA 103+00 TO STA 104+00				183.9	22		0.11
STA 104+00 TO STA 105+00				150.6	20		0.10
STA 105+00 TO STA 106+00				200	26		0.13
STA 106+00 TO STA 107+00				66.1	14		0.07
STA 107+00 TO STA 108+00					12		0.06
STA 108+00 TO STA 109+00					6		0.03
STA 109+00 TO STA 110+00					2		0.01
STA 102+25.0	LT	42.65	15				
STA 102+40.0	RT	55.9	15				
STA 103+00.0	LT	41.32	15				
STA 105+00.0	LT	42.04	15				
TOTAL			60	863.5	150	0.75	26.3

BENCHMARKS

BM #100: RR SPIKE IN POWERPOLE IN FRONT OF SALEM BOWL  
ELEV. 531.50

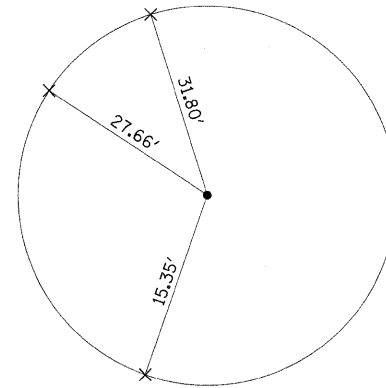
BM #101: CHISELED "□" IN SOUTHWEST WING WALL OF SN 061-0036  
ELEV. 519.48

BM #102: CHISELED "□" NORTH SIDE OF ROAD ±50' EAST OF WHERE RR OVERPASS CROSSES U.S. 50  
ELEV. 514.47



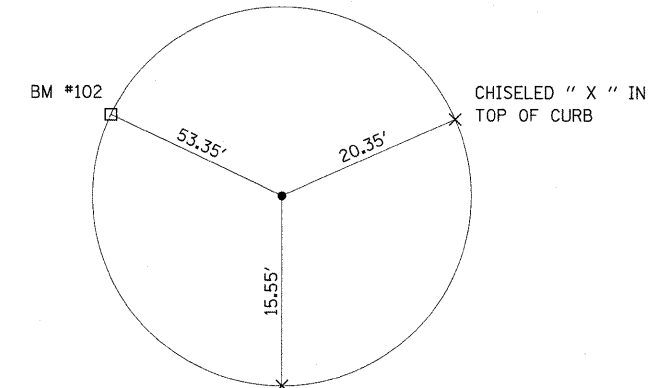
ALL TIES MAG NAILS IN E.O.P.

STA. 1251+66  
MAG NAIL (SET)  
N. 114,599.7564  
E. 213,304.7345

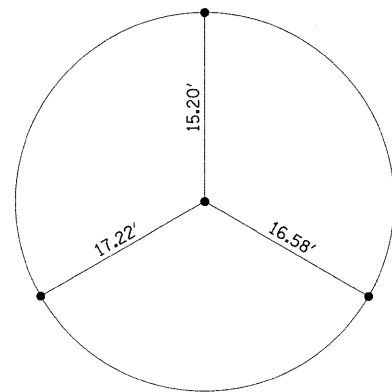


ALL TIES CUT " X " IN TOP OF CURB

STA. 1258+96.21  
DRILL HOLE IN PAVEMENT (SET)  
N. 114,593.1401  
E. 212,574.5508



STA. 1262+00  
DRILL HOLE IN PAVEMENT (SET)  
N. 114,580.9758  
E. 212,271.0569





ALL TIES MAG NAILS IN E.O.P.

STA. 1241+00  
MAG NAIL (SET)  
N. 114,609.4151  
E. 214,370.6908

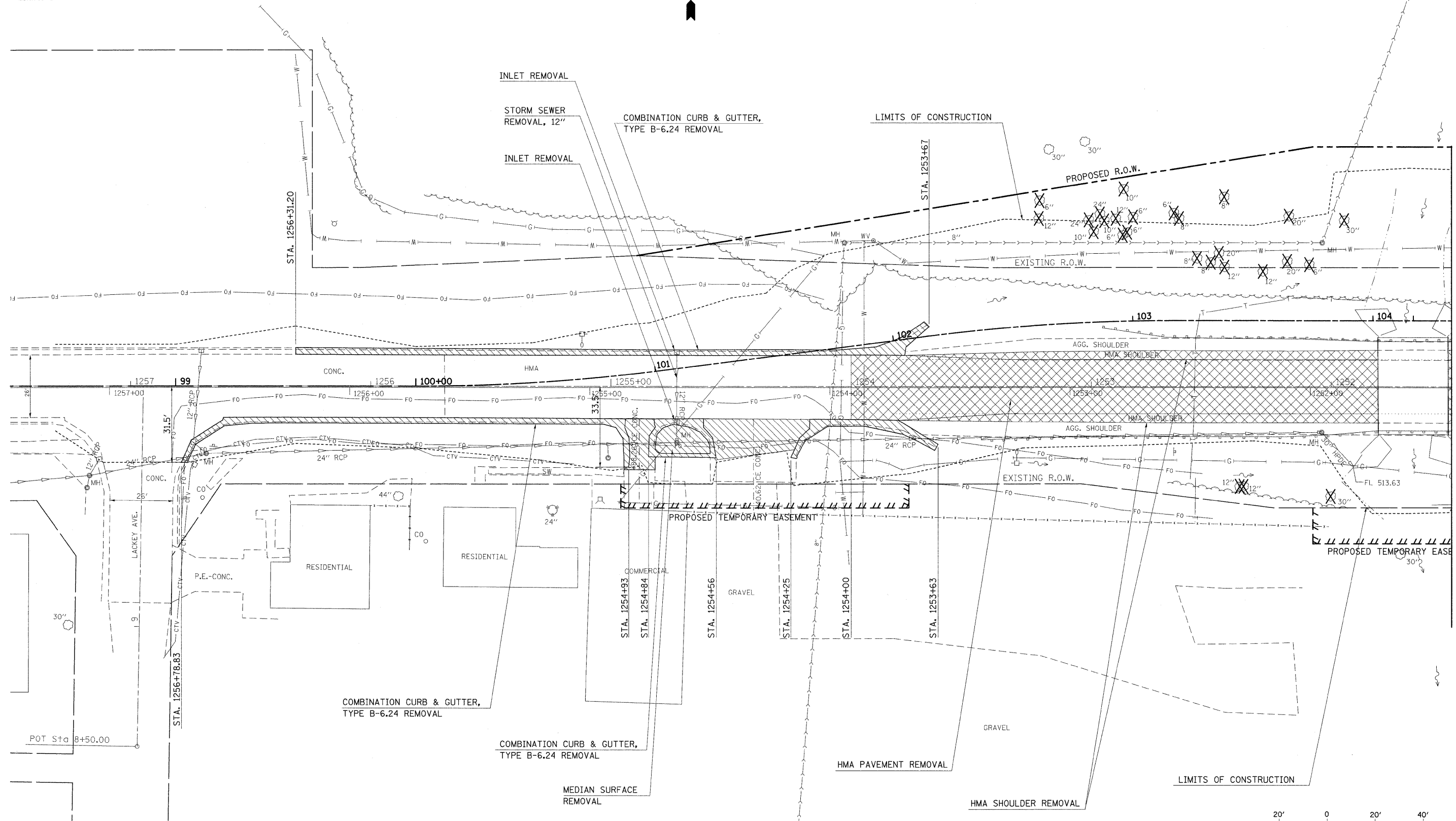


FILE NAME =	USER NAME = harbaughrd	DESIGNED -	REVISED -	<b>STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION</b>	<b>TIE POINTS &amp; BENCHMARKS</b>				F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.		
ct:\pw\work\pwidot\harbaughrd\dms52290\p	n03007a.dgn	DRAWN -	REVISED -		SCALE:	SHEET NO.	OF	SHEETS	STA.	TO STA.	327	15B-1	MARION	58	9
		PLOT SCALE = 50.0000' / IN.	REVISED -		<b>CONTRACT NO. 76A59</b>										
		PLOT DATE = 12/11/2009	REVISED -		ILLINOIS FED. AID PROJECT										

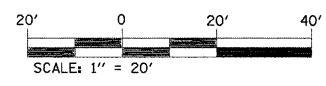
LEGEND

-  CONCRETE REMOVAL
-  HOT-MIX ASPHALT REMOVAL

SEE TREE REMOVAL SCHEDULE FOR TREE LOCATIONS.





MATCHLINE STA. 1251+50



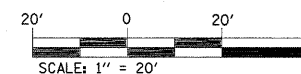
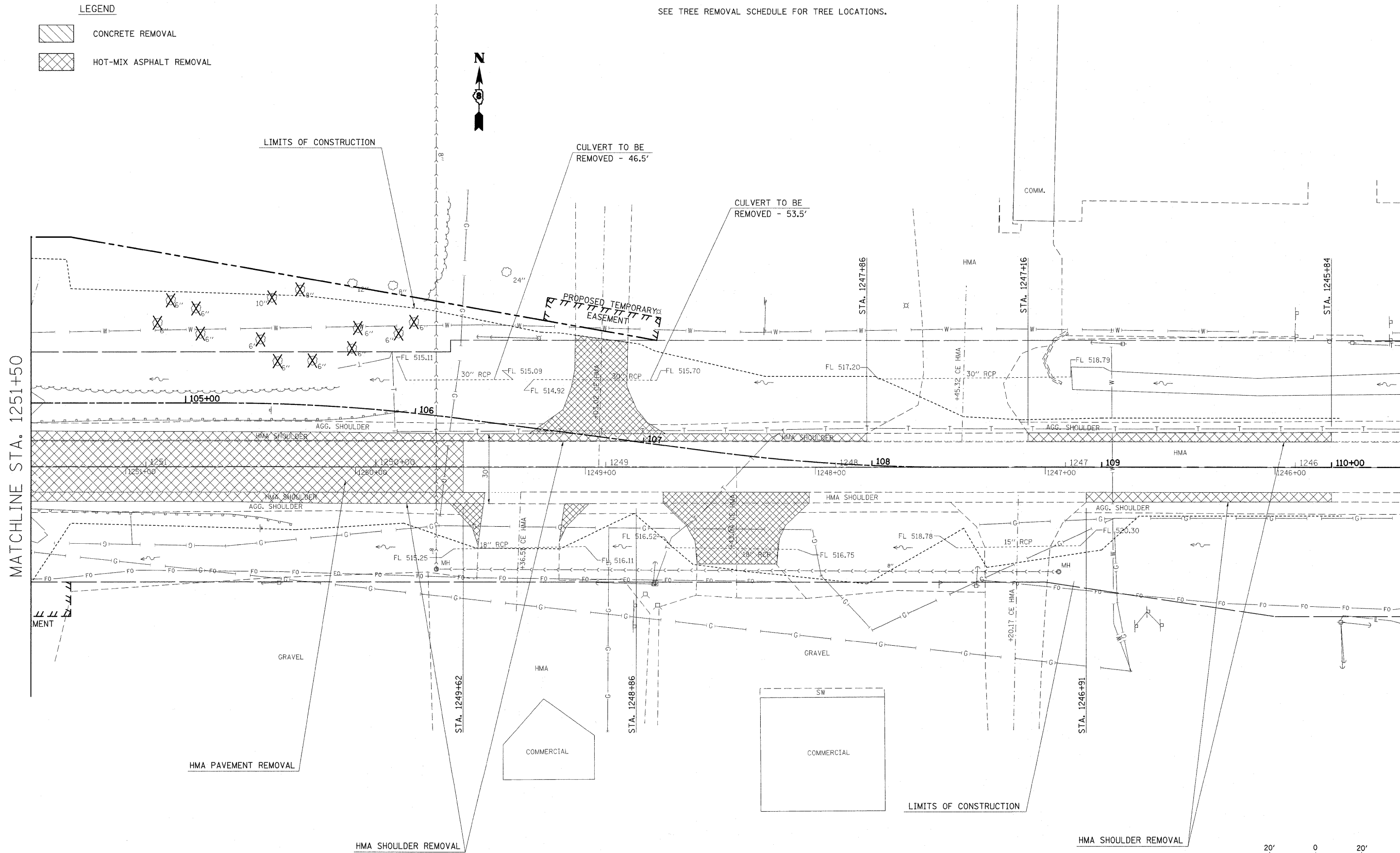
FILE NAME =	USER NAME = harbaughrd	DESIGNED -	REVISED -	<b>STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION</b>	<b>REMOVAL ITEMS</b>	F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	
c:\p\work\p\dot\harbaughrd\dms52298\m83807a.dgn		DRAWN -	REVISED -			327	15B-1	MARION	58	10	
PLOT SCALE = 20.0000 ' / IN.		CHECKED -	REVISED -			CONTRACT NO. 76A59					
PLOT DATE = 12/11/2009		DATE -	REVISED -			ILLINOIS FED. AID PROJECT					
				SCALE: 20		SHEET NO. 1 OF 2 SHEETS		STA. 1257+50 TO STA. 1251+50			



LEGEND

-  CONCRETE REMOVAL
-  HOT-MIX ASPHALT REMOVAL

SEE TREE REMOVAL SCHEDULE FOR TREE LOCATIONS.



FILE NAME =	USER NAME = harbaugh	DESIGNED -	REVISED -
ct:\pw\work\PIWIDOT\HARBAUGH\rd\dms52290\	e=03007e.dgn	DRAWN -	REVISED -
		CHECKED -	REVISED -
		DATE -	REVISED -

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

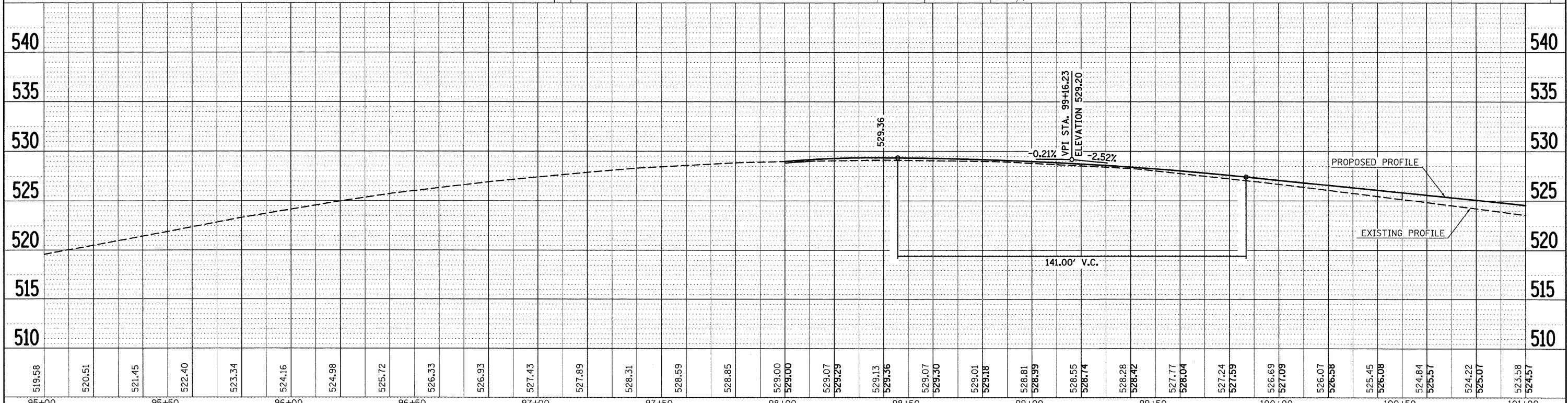
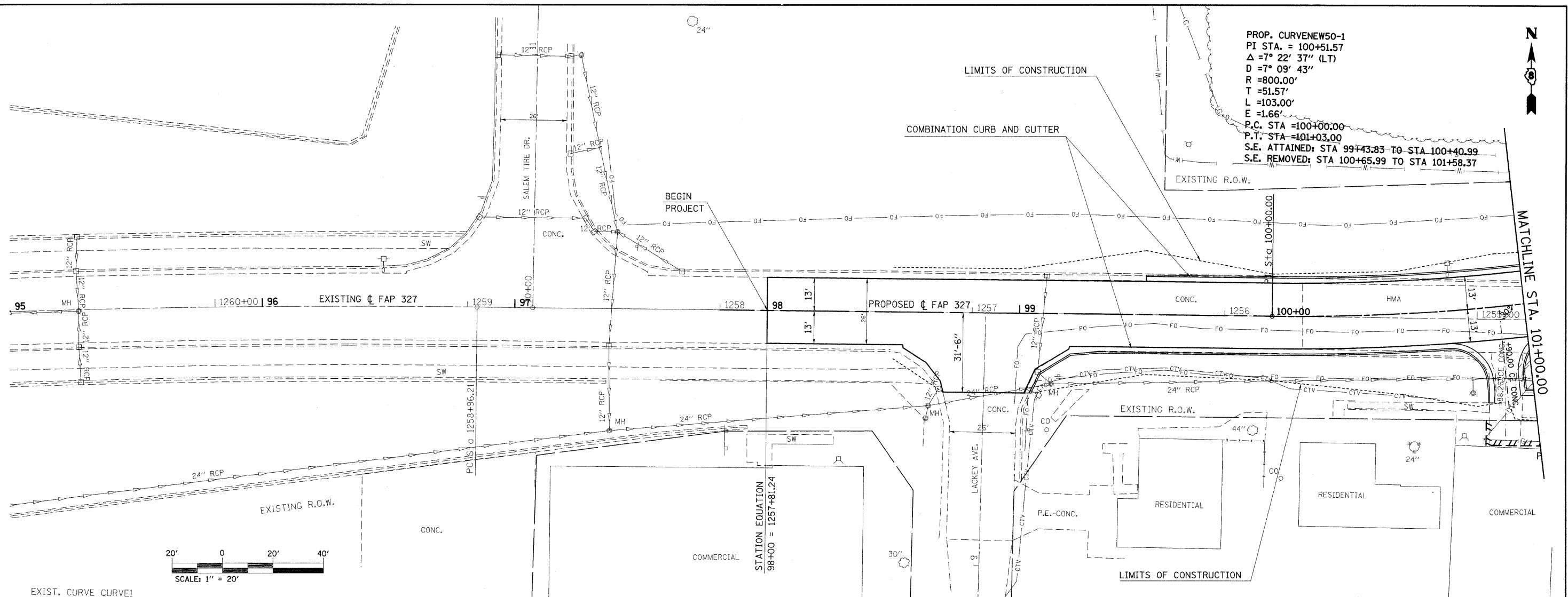
REMOVAL ITEMS

SCALE: 20 SHEET NO. 2 OF 2 SHEETS STA. 1251+50 TO STA. 1245+50

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
327	15B-1	MARION	58	11
CONTRACT NO. 76A59				
ILLINOIS FED. AID PROJECT				

PLAN	SURVEYED	DATE
	ALIGNED	BY
	NOTED	
	CHECKED	
	FILE NAME	

PROFILE	SURVEYED	DATE
	GRADES	BY
	NOTED	
	CHECKED	
	FILE NAME	



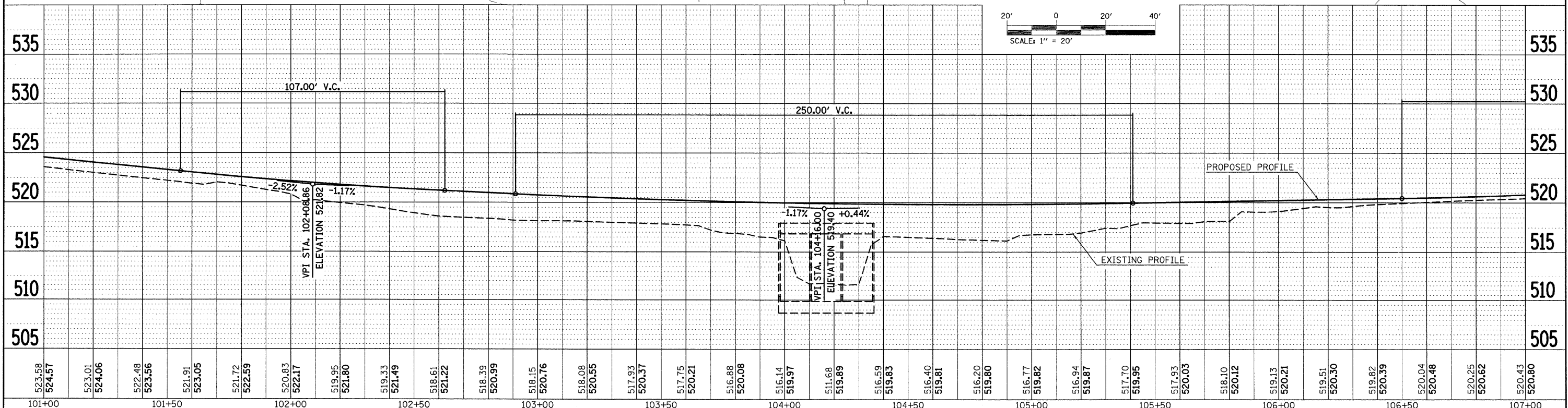
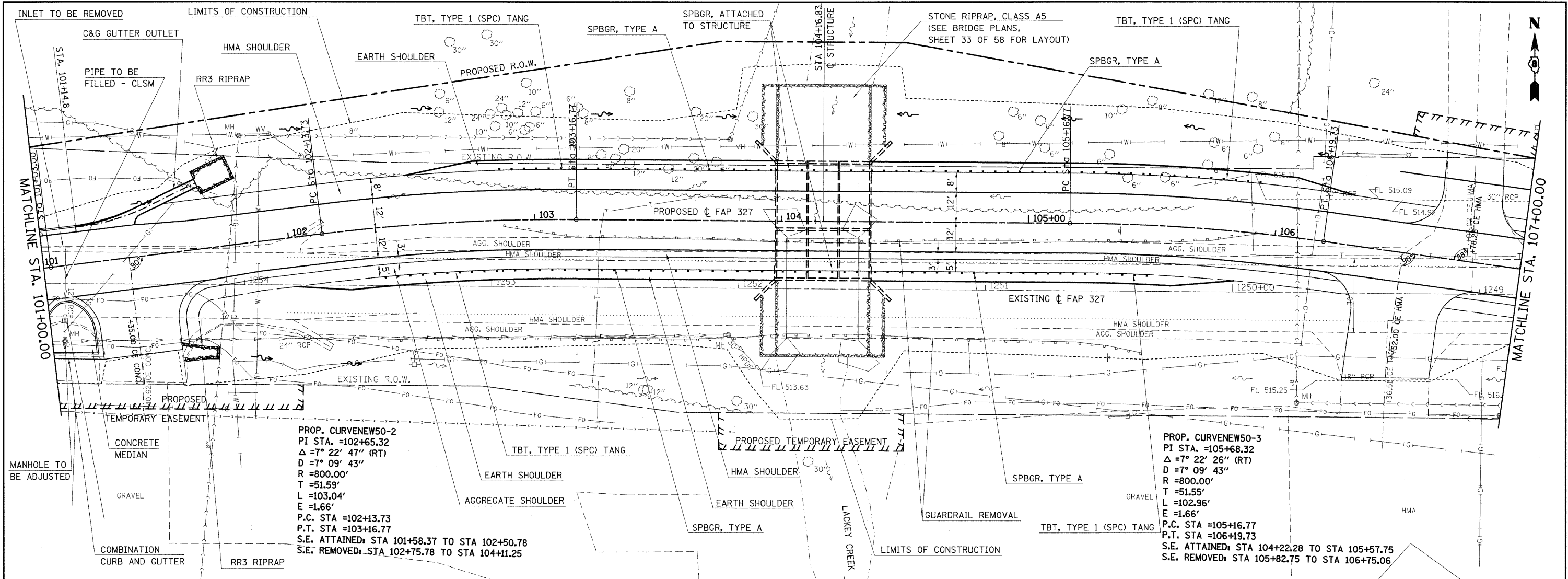
519.58	520.51	521.45	522.40	523.34	524.16	524.98	525.72	526.33	526.93	527.43	527.89	528.31	528.59	528.85	529.00	529.00	529.07	529.29	529.13	529.36	529.07	529.30	529.01	529.18	528.81	528.99	528.55	528.74	528.28	528.42	527.77	528.04	527.24	527.59	526.69	527.09	526.07	526.58	525.45	526.08	524.84	525.57	524.22	525.07	523.58	524.57	95+00	95+50	96+00	96+50	97+00	97+50	98+00	98+50	99+00	99+50	100+00	100+50	101+00
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STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION

US 50 PLAN AND PROFILE SHEET

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
327	15B-1	MARION	58	12
CONTRACT NO. 76A59			ILLINOIS FED. AID PROJECT	

SCALE: 20 SHEET NO. 1 OF 3 SHEETS STA. TO STA.



PLAN

DATE	
BY	
NO.	
FILE NAME	
NO.	
NO.	
NO.	
NO.	






PROFILE

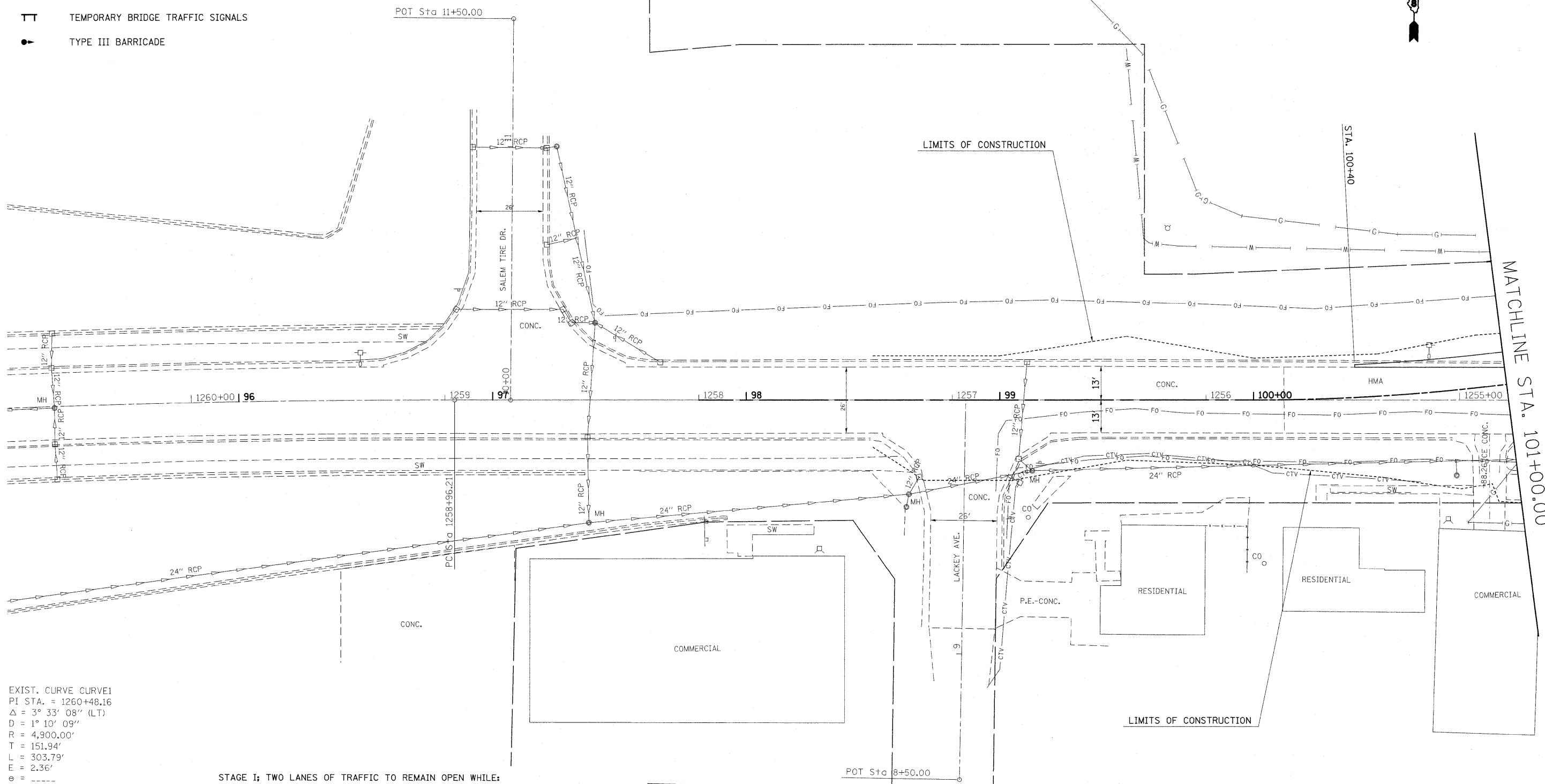
DATE	
BY	
NO.	
FILE NAME	
NO.	
NO.	
NO.	
NO.	

FILE NAME =	USER NAME = #USER*	DESIGNED -	REVISED -	<b>STATE OF ILLINOIS</b> <b>DEPARTMENT OF TRANSPORTATION</b>	<b>US 50 PLAN AND PROFILE SHEET</b>	F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	
#FILE#	PLDT SCALE = #SCALE*	DRAWN -	REVISED -			327	15B-1	MARION	58	13	
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		DATE -	REVISED -			ILLINOIS FED. AID PROJECT					



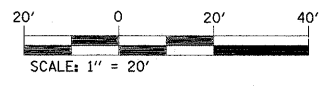
LEGEND

-  IMPACT ATTENUATOR
-  TEMPORARY CONCRETE BARRIER
-  BARRELS OR BARRICADES WITH STEADY BURNING LIGHT
-  TEMPORARY BRIDGE TRAFFIC SIGNALS
-  TYPE III BARRICADE








EXIST. CURVE CURVE1  
 PI STA. = 1260+48.16  
 $\Delta = 3^\circ 33' 08''$  (LT)  
 $D = 1^\circ 10' 09''$   
 $R = 4,900.00'$   
 $T = 151.94'$   
 $L = 303.79'$   
 $E = 2.36'$   
 $e =$   
 $T.R. =$   
 $S.E. RUN =$   
 $P.C. STA. = 1258+96.21$   
 $P.T. STA. = 1262+00.00$

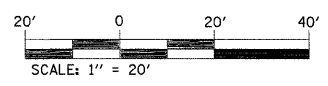
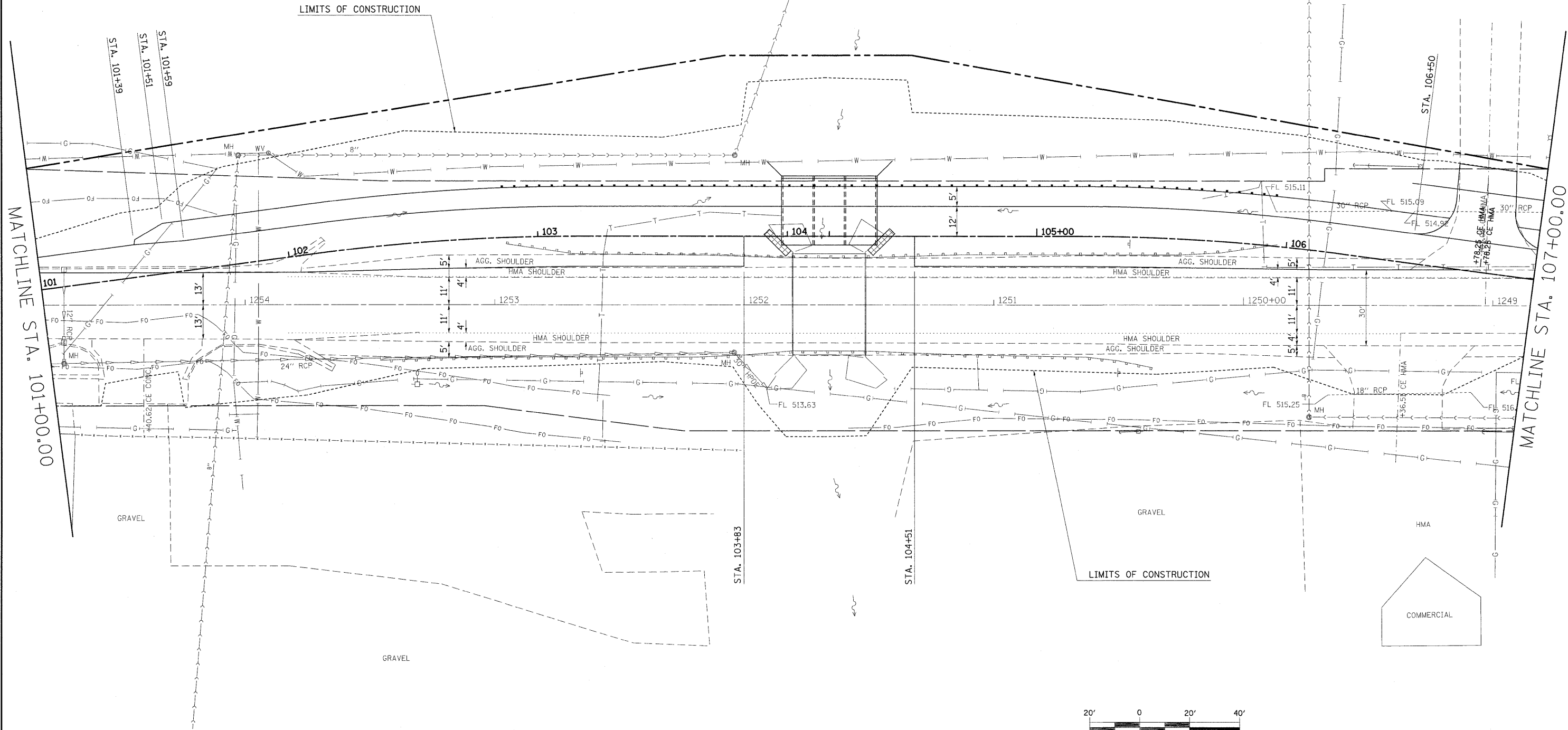
- STAGE I; TWO LANES OF TRAFFIC TO REMAIN OPEN WHILE:
- USE STANDARD 701006 TO:
    - BUILD THE TRIPLE BOX CULVERT TO THE NORTH OF THE EXISTING CULVERT.
    - BRING IN EARTH FILL TO THE NORTH.
    - BUILD THE PROPOSED RELOCATED PAVEMENT AND NORTHERN SHOULDER.
  - USE STANDARD 701326 TO CONNECT THE PROPOSED PAVEMENT TO THE EXISTING PAVEMENT.
  - DO NOT PUT THE SUPER-ELEVATED SECTION IN ON THE EXISTING PAVEMENT, JUST TIE IT ON.



FILE NAME =	USER NAME = herbaughrd	DESIGNED -	REVISED -	<b>STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION</b>	<b>STAGE I CONSTRUCTION SHEET</b>			F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	
et:\pw\work\PMIDOT\HARBAUGH\RD\dms52271\fig03007a.dgn		DRAWN -	REVISED -		SCALE: 20	SHEET NO. 1 OF 6 SHEETS	STA. ---	TO STA. 101+00	327	15B-1	MARION	58	15
		PLOT SCALE = 28,0000' / IN.	REVISED -		CONTRACT NO. 76A59								
		PLOT DATE = 1/11/2018	REVISED -		ILLINOIS FED. AID PROJECT								

LEGEND






-  IMPACT ATTENUATOR
-  TEMPORARY CONCRETE BARRIER
-  BARRELS OR BARRICADES WITH STEADY BURNING LIGHT
-  TEMPORARY BRIDGE TRAFFIC SIGNALS
-  TYPE III BARRICADE

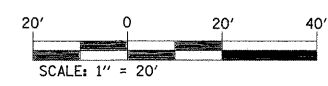
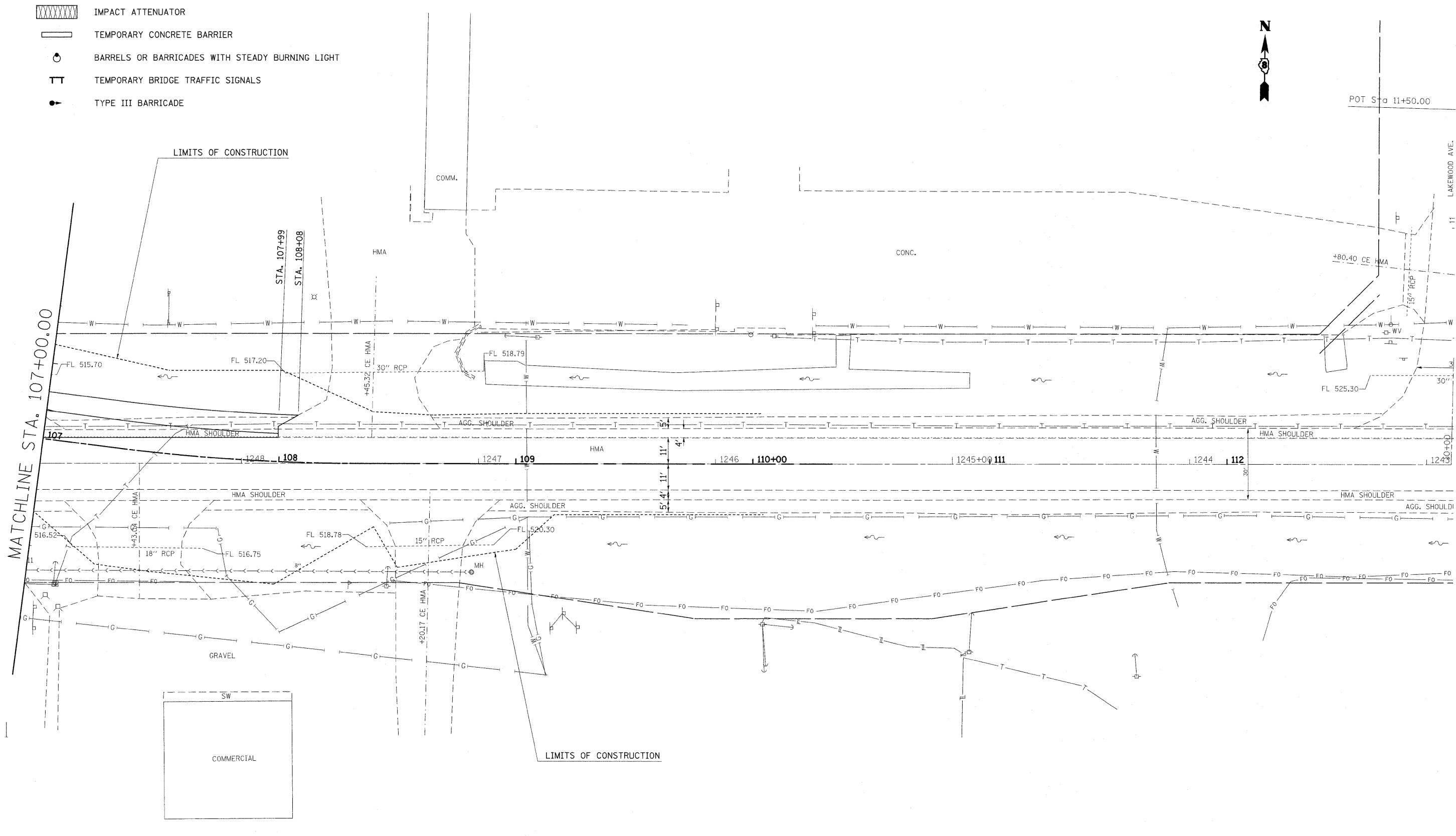


FILE NAME = #FILE#	USER NAME = #USER#	DESIGNED -	REVISED -	<b>STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION</b>	<b>STAGE I CONSTRUCTION SHEET</b>			F.A.P. RTE. 327	SECTION 15B-1	COUNTY MARION	TOTAL SHEETS 58	SHEET NO. 16
	PLOT SCALE = #SCALE#	DRAWN -	REVISED -		SCALE: 20	SHEET NO. 2 OF 6 SHEETS	STA. 101+00	TO STA. 107+00	CONTRACT NO. 76A59			
	PLOT DATE = #DATE#	CHECKED -	REVISED -		ILLINOIS FED. AID PROJECT							
		DATE -	REVISED -									



LEGEND






-  IMPACT ATTENUATOR
-  TEMPORARY CONCRETE BARRIER
-  BARRELS OR BARRICADES WITH STEADY BURNING LIGHT
-  TEMPORARY BRIDGE TRAFFIC SIGNALS
-  TYPE III BARRICADE

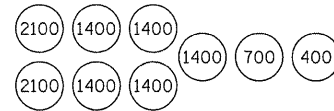


FILE NAME = #FILE#	USER NAME = #USER#	DESIGNED -	REVISED -	<b>STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION</b>	<b>STAGE I CONSTRUCTION SHEET</b>			F.A.P. RTE. 327	SECTION 15B-1	COUNTY MARION	TOTAL SHEETS 58	SHEET NO. 17
	PLOT SCALE = #SCALE#	DRAWN -	REVISED -		SCALE: 20	SHEET NO. 3 OF 6 SHEETS	STA. 107+00	TO STA. ---	CONTRACT NO. 76A59			
	PLOT DATE = #DATE#	CHECKED -	REVISED -		ILLINOIS FED. AID PROJECT							
		DATE -	REVISED -									

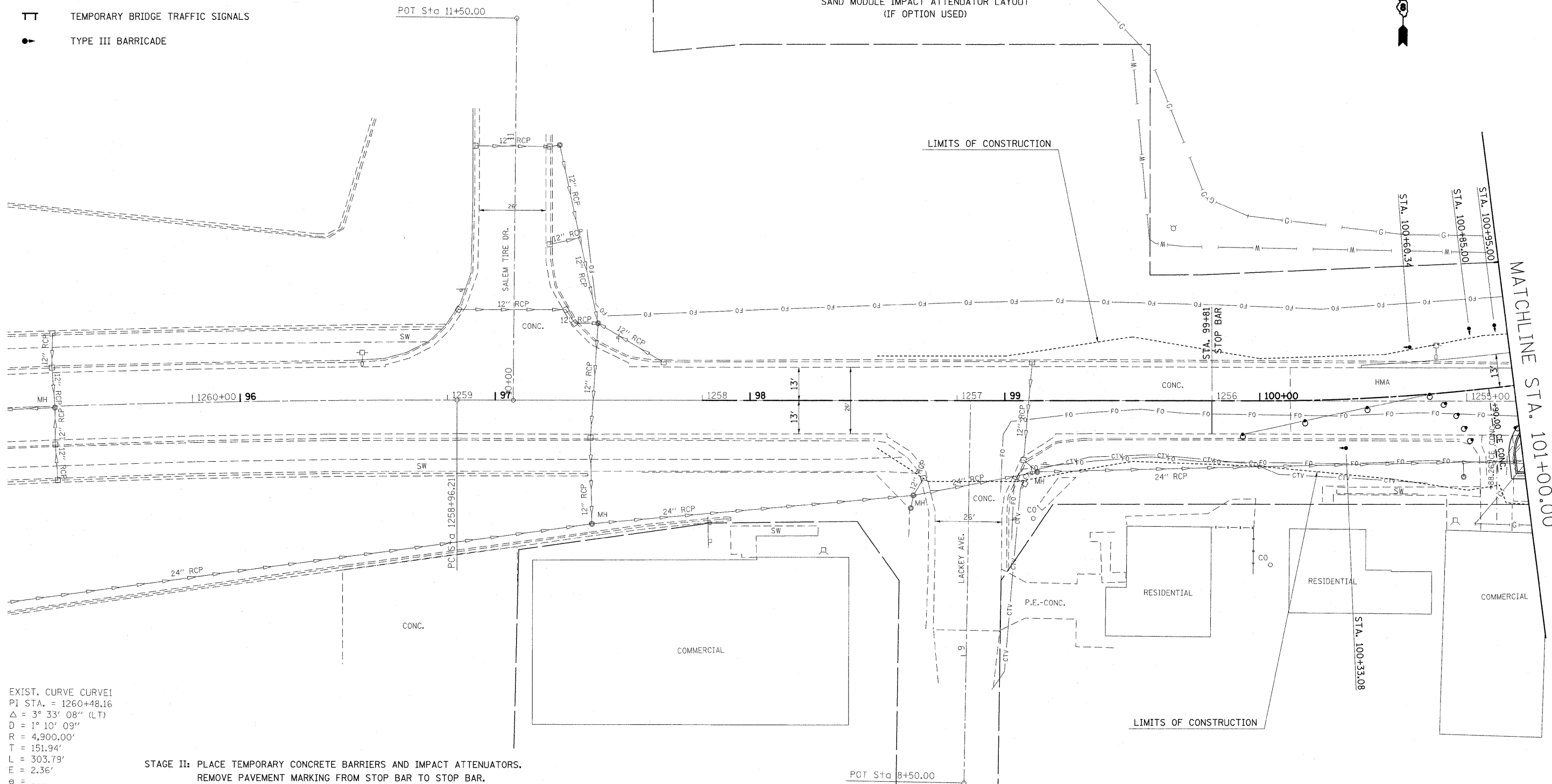


LEGEND

-  IMPACT ATTENUATOR
-  TEMPORARY CONCRETE BARRIER
-  BARRELS OR BARRICADES WITH STEADY BURNING LIGHT
-  TEMPORARY BRIDGE TRAFFIC SIGNALS
-  TYPE III BARRICADE



SAND MODULE IMPACT ATTENUATOR LAYOUT (IF OPTION USED)

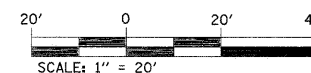


EXIST. CURVE CURVE1  
 PI STA. = 1260+48.16  
 $\Delta = 3^\circ 33' 08''$  (LT)  
 $D = 1^\circ 10' 09''$   
 $R = 4,900.00'$   
 $T = 151.94'$   
 $L = 303.79'$   
 $E = 2.36'$   
 $e =$   
 $T.R. =$   
 $S.E. RUN =$   
 P.C. STA. = 1258+96.21  
 P.T. STA. = 1262+00.00

- STAGE II: PLACE TEMPORARY CONCRETE BARRIERS AND IMPACT ATTENUATORS. REMOVE PAVEMENT MARKING FROM STOP BAR TO STOP BAR. REDUCE TRAFFIC TO ONE LANE AND MOVE OVER ONTO THE NEW PAVEMENT, UTILIZING TRAFFIC SIGNALS.
- UTILIZE STANDARD 701321 (SPECIAL) TO:
    - REMOVE EXISTING PAVEMENT AND BRIDGE.
    - CONSTRUCT BOX CULVERT.
    - CONSTRUCT LANE ADJACENT TO THE PROPOSED LANE.
    - CONSTRUCT DITCHES TO CREEK ON THE SOUTH SIDE OF ROADWAY.






NOTE: ALTERATIONS TO STANDARD 701321 ARE SHOWN ON STAGE CONSTRUCTION SHEETS IN PLANS.

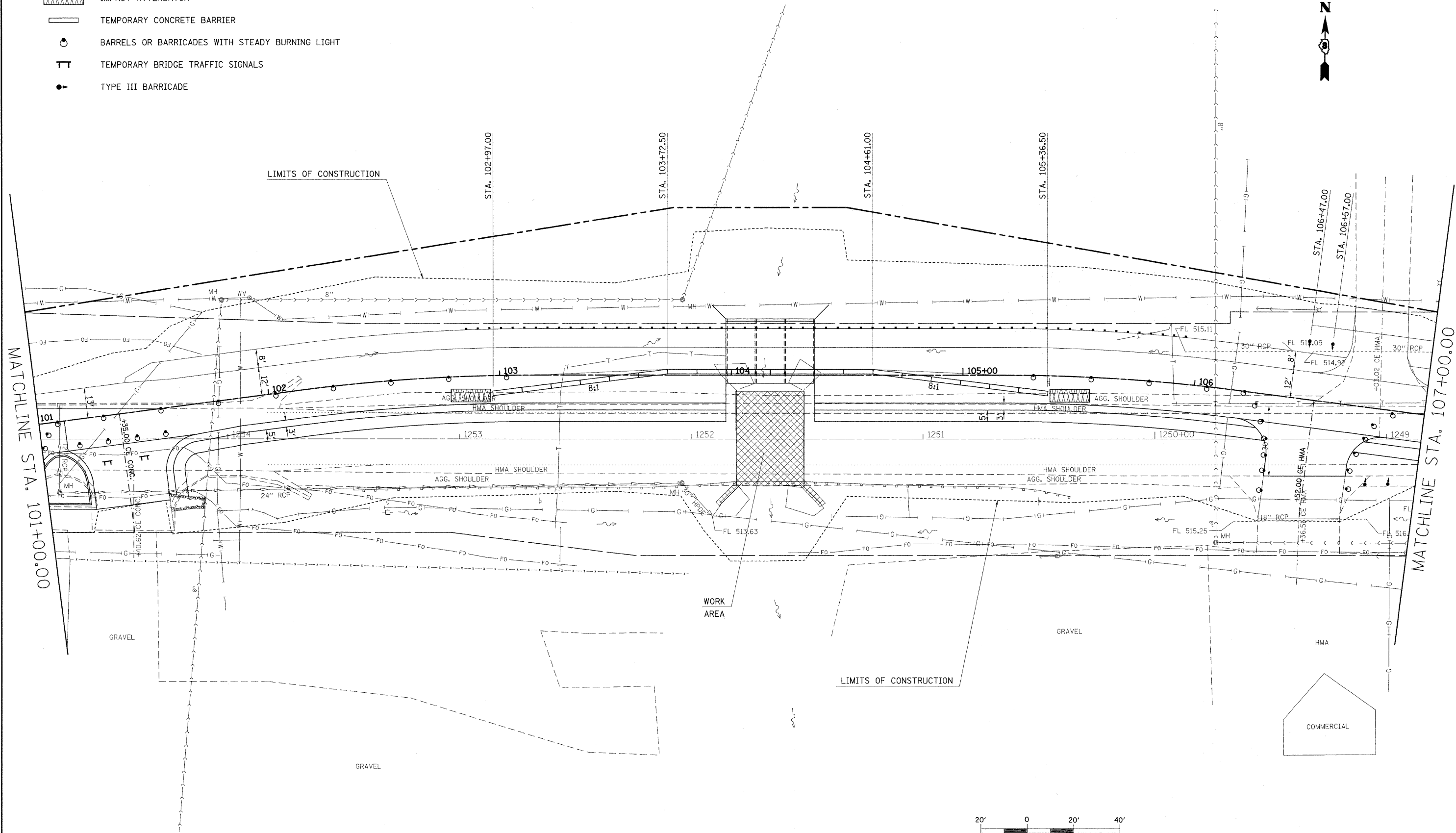
- STAGE III: COMPLETE REMAINDER OF WORK WITH TWO LANES OPEN TO TRAFFIC.
- UTILIZE STANDARD 701326 TO COMPLETE:
    - CURB AND GUTTER
    - ENTRANCES
    - RIPRAP
    - STORM SEWER



FILE NAME = c:\p\work\p\WIDOT\HARBAUGH\rd\dms52271\tdg03007e.dgn	USER NAME = harbaughhd	DESIGNED -	REVISED -	<b>STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION</b>	<b>STAGE II CONSTRUCTION SHEET</b>			F.A.P. RTE. 327	SECTION 15B-1	COUNTY MARION	TOTAL SHEETS 58	SHEET NO. 18
PLOT SCALE = 20,0000' / IN.	PLOT DATE = 1/11/2010	DRAWN -	REVISED -		SCALE: 20	SHEET NO. 4 OF 6 SHEETS	STA. ---	TO STA. 101+00	CONTRACT NO. 76A59			
		CHECKED -	REVISED -		ILLINOIS FED. AID PROJECT							
		DATE -	REVISED -									

LEGEND

-  IMPACT ATTENUATOR
-  TEMPORARY CONCRETE BARRIER
-  BARRELS OR BARRICADES WITH STEADY BURNING LIGHT
-  TEMPORARY BRIDGE TRAFFIC SIGNALS
-  TYPE III BARRICADE



FILE NAME = #FILE#	USER NAME = #USER#	DESIGNED -	REVISED -
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	PLOT DATE = #DATE#	CHECKED -	REVISED -
		DATE -	REVISED -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**STAGE II CONSTRUCTION SHEET**



SCALE: 20    SHEET NO. 5 OF 6 SHEETS    STA. 101+00    TO STA. 107+00

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
327	15B-1	MARION	58	19
<b>CONTRACT NO. 76A59</b>				

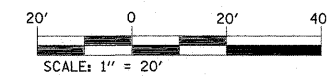
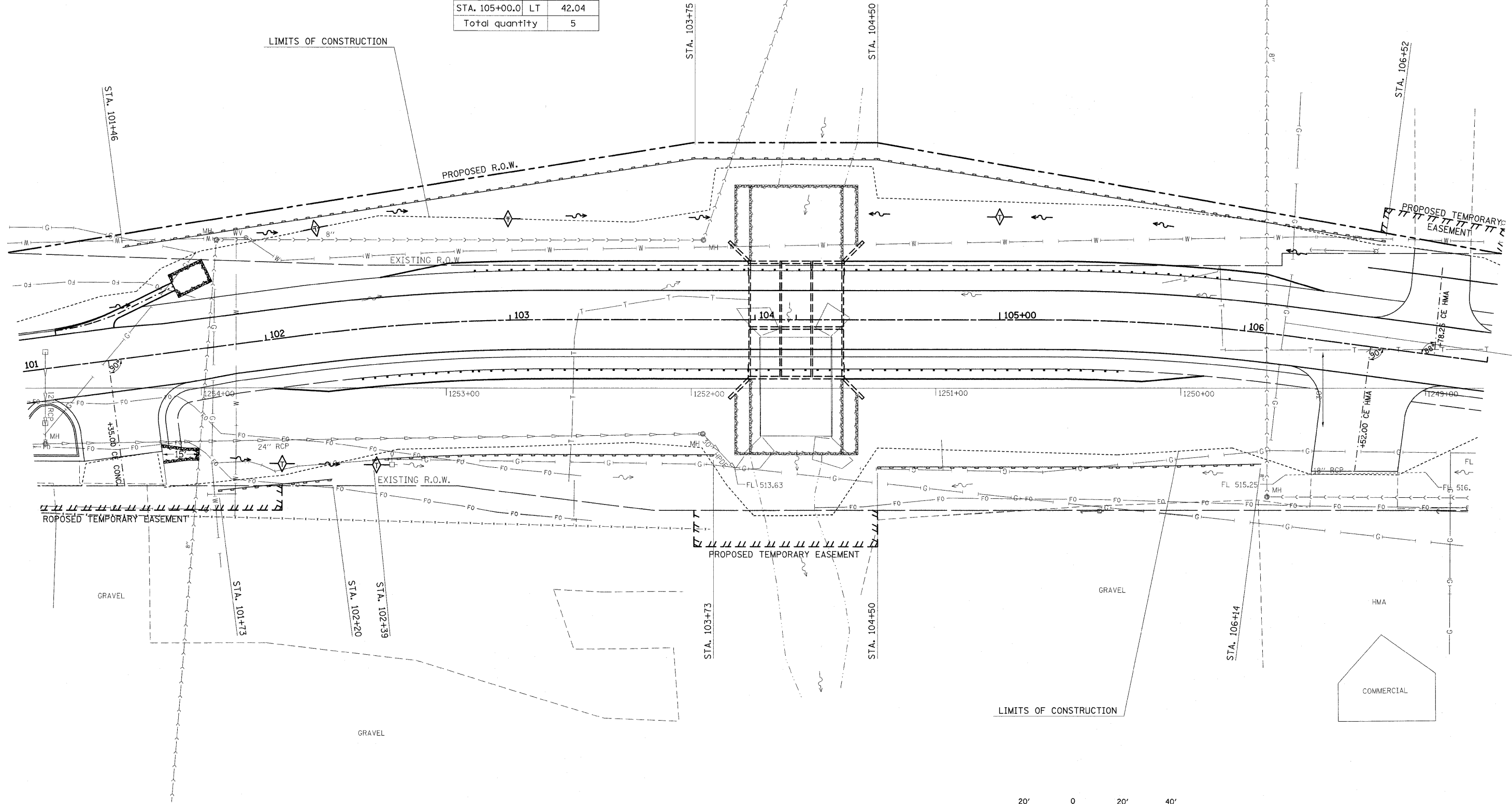
ILLINOIS FED. AID PROJECT



**LEGEND**

-  TEMPORARY DITCH CHECK- ROLLED EXCELSIOR, SILT WEDGES/PANELS
-  PERIMETER EROSION BARRIER- SILT FILTER FENCE OR OTHER AS APPROVED BY THE ENGINEER

LOCATION	Offset	
	LT / RT	Distance Feet
STA. 102+00.0	RT	50.9
STA. 102+25.0	LT	42.65
STA. 102+40.0	RT	55.9
STA. 103+00.0	LT	41.32
STA. 105+00.0	LT	42.04
Total quantity		5



FILE NAME =	USER NAME = harbaughrd	DESIGNED -	REVISED -	<b>STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION</b>	<b>EROSION CONTROL DETAILS</b>			F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	
ct:\pwork\pwidot\harbaughrd\dms52298\03027a.dgn		DRAWN -	REVISED -		SCALE: 20	SHEET NO. 1 OF 1 SHEETS	STA.	TO STA.	327	15B-1	MARION	58	21
		CHECKED -	REVISED -		<b>CONTRACT NO. 76A59</b>								
		DATE -	REVISED -		ILLINOIS FED. AID PROJECT								

PART OF THE WEST 1/2 OF SECTION 12, T2N, R2E, OF THE 3RD PM, MARION COUNTY, ILLINOIS

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
327	15B-1	MARION	58	22
STA.	TO STA.			
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		
CONTRACT NO. 76A59				



- EXISTING CENTERLINE
- EXISTING RIGHT OF WAY LINE
- EXISTING EASEMENT LINE
- EXISTING ACCESS CONTROL LINE
- PROPOSED ACCESS CONTROL LINE
- PROPOSED CENTERLINE
- PROPOSED RIGHT OF WAY LINE
- PROPOSED TEMPORARY EASEMENT LINE
- PROPOSED PERMANENT EASEMENT LINE
- SECTION LINE
- QUARTER SECTION LINE
- QUARTER QUARTER SECTION LINE
- PROPERTY (DEED) LINE
- APL APPARENT PROPERTY LINE
- MEASURED DIMENSION
- RECORDED DIMENSION
- RECORD AND MEASURED
- FOUND STONE
- FOUND IRON PIPE OR IRON ROD AT CORNER UNLESS OTHERWISE NOTED
- SET 5/8 INCH IRON ROD WITH PLASTIC CAP IDENTIFIED BY SURVEYORS LICENSE NUMBER AT CORNER UNLESS OTHERWISE NOTED
- PERMANENT SURVEY MONUMENT, I.D.O.T. STD. 66710 (TO BE SET BY OTHERS)
- SET 5/8 INCH IRON ROD AS SURVEY CONTROL UNLESS OTHERWISE NOTED
- FOUND CUT CROSS
- SET CUT CROSS
- SAME OWNERSHIP
- EXISTING BUILDING
- STAKING OF PROPOSED RIGHT OF WAY CORNERS. SET 5/8 INCH METAL ROD WITH DIVISION OF HIGHWAY SURVEY ALUMINUM CAP TO MONUMENT THE POSITION SHOWN. IDENTIFIED BY INSCRIPTION DATA AND SURVEYORS LICENSE NUMBER. (PROPOSED RIGHT OF WAY CORNERS SET IN CULTIVATED AREAS SHALL BE A MINIMUM OF 20 INCHES BELOW THE GROUND SURFACE).

STATE OF ILLINOIS )  
 COUNTY OF ) SS

I, PHILIP H. HUSKEY, AN ILLINOIS PROFESSIONAL LAND SURVEYOR, CERTIFY THAT I HAVE SURVEYED THE PLAT OF HIGHWAY SHOWN HEREON AND THAT THIS PROFESSIONAL SERVICE CONFORMS TO THE CURRENT ILLINOIS MINIMUM STANDARDS FOR A BOUNDARY SURVEY OF THE EXISTING RIGHT OF WAY SHOWN HEREON.

DATED \_\_\_\_\_

PHILIP H. HUSKEY, PLS NO. 2659  
 LICENSE EXPIRATION DATE: 11/30/2010



**Juneau Associates, Inc. P.C.**  
 CONSULTING ENGINEERS AND LAND SURVEYORS  
 2100 State Street, Granite City, Illinois 62040  
 1313 North Reynolds Drive, Granite City, Illinois 62040  
 Phone: (618)977-1400 Fax: (618)977-1400  
 Phone: (618)455-5541 Fax: (618)959-0941  
 Registered Professional Service Corporation License No. 184-003369

REVISION	
DATE	DESCRIPTION

ILLINOIS DEPARTMENT OF TRANSPORTATION  
 PLAT OF HIGHWAYS  
 FAP ROUTE 327 (U.S. ROUTE 50)  
 SECTION 15B-1  
 MARION COUNTY  
 JOB NO. R-98-015-07  
 STATION 98+00 TO STATION 98+15

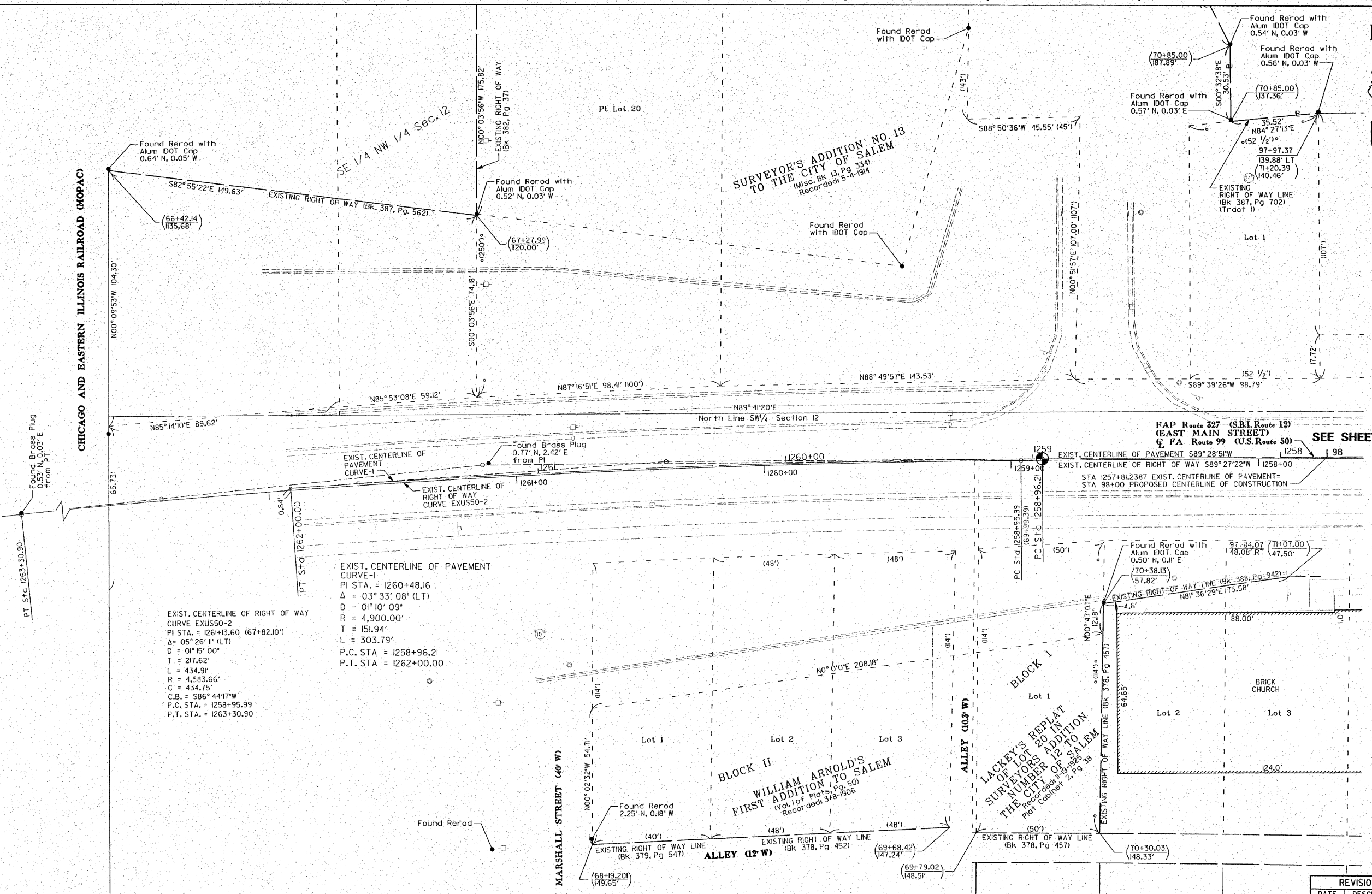
SCALE: 1" = 20'

SHEET 2 OF 10

PRINTED  
 NOV 04 2009

JUNEAU ASSOCIATES, INC.  
 CONSULTING ENGINEERS

COMPLETION DATE OF FIELD WORK PERFORMED  
 LAND SURVEY: 7-31-2008  
 RIGHT OF WAY STAKING:



EXIST. CENTERLINE OF PAVEMENT CURVE-1  
 PI STA. = 1260+48.16  
 Δ = 03° 33' 08" (LT)  
 D = 01° 10' 09"  
 R = 4,900.00'  
 T = 151.94'  
 L = 303.79'  
 P.C. STA. = 1258+96.21  
 P.T. STA. = 1262+00.00

EXIST. CENTERLINE OF RIGHT OF WAY CURVE EXUSSO-2  
 PI STA. = 1261+13.60 (67+82.10')  
 Δ = 05° 25' 11" (LT)  
 D = 01° 15' 00"  
 T = 217.62'  
 L = 434.91'  
 R = 4,583.66'  
 C = 434.75'  
 C.B. = S86° 44' 17" W  
 P.C. STA. = 1258+95.99  
 P.T. STA. = 1263+30.90

COORDINATES AND BEARINGS SHOWN HEREON ARE BASED ON SURVEY CONTROL DATA AS PROVIDED BY THE ILLINOIS DEPARTMENT OF TRANSPORTATION.

COORDINATE TABLE			
STATION	OFFSET	NORTH	EAST
CL PAVEMENT PC STA. 1258+96.21	0	114,593.1401	212,574.5508

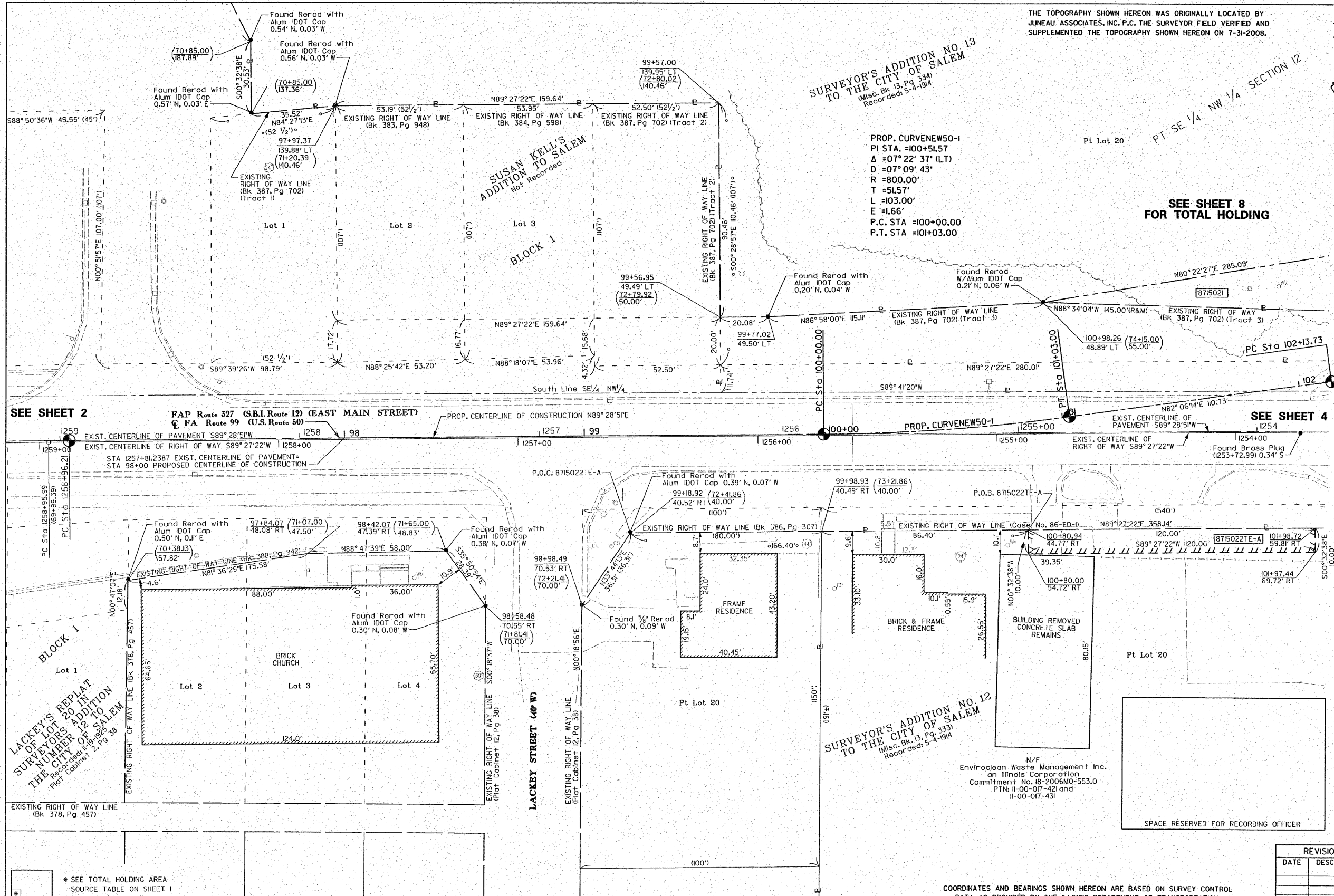
THE TOPOGRAPHY SHOWN HEREON WAS ORIGINALLY LOCATED BY JUNEAU ASSOCIATES, INC. P.C. THE SURVEYOR FIELD VERIFIED AND SUPPLEMENTED THE TOPOGRAPHY SHOWN HEREON ON 7-31-2008.



PART OF THE WEST 1/2 OF SECTION 12, T2N, R2E, OF THE 3RD PM, MARION COUNTY, ILLINOIS

THE TOPOGRAPHY SHOWN HEREON WAS ORIGINALLY LOCATED BY JUNEAU ASSOCIATES, INC. P.C. THE SURVEYOR FIELD VERIFIED AND SUPPLEMENTED THE TOPOGRAPHY SHOWN HEREON ON 7-31-2008.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
327	15B-1	MARION	58	23
STA. TO STA.		FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT		
CONTRACT NO. 76A59				



**SURVEYOR'S ADDITION NO. 13 TO THE CITY OF SALEM**  
(Misc. Bk. 13, Pg. 334)  
Recorded: 5-4-1914

**SUSAN KELLY'S ADDITION TO SALEM**  
Not Recorded

SEE SHEET 2

SEE SHEET 8 FOR TOTAL HOLDING

SEE SHEET 4

**LACKEY'S REPLAT OF LOT 20 IN SURVEYOR'S ADDITION NO. 12 TO THE CITY OF SALEM**  
Recorded: 11-29-1935  
Plat Cabinet 2, Pg. 38

**SURVEYOR'S ADDITION NO. 12 TO THE CITY OF SALEM**  
(Misc. Bk. 13, Pg. 333)  
Recorded: 5-4-1914

STAKING OF PROPOSED RIGHT OF WAY CORNERS. SET 5/8 INCH METAL ROD WITH DIVISION OF HIGHWAY SURVEY ALUMINUM CAP TO MONUMENT THE POSITION SHOWN. IDENTIFIED BY INSCRIPTION DATA AND SURVEYORS LICENSE NUMBER. PROPOSED RIGHT OF WAY CORNERS SET IN CULTIVATED AREAS SHALL BE A MINIMUM OF 20 INCHES BELOW THE GROUND SURFACE.

**PRINTED**

STATE OF ILLINOIS ) NOV 04 2009  
COUNTY OF ) 155 JUNEAU ASSOCIATES, INC. CONSULTING ENGINEERS  
I, PHILIP H. HUSKEY, AN ILLINOIS PROFESSIONAL LAND SURVEYOR, CERTIFY THAT I HAVE SURVEYED THE PLAT OF HIGHWAY SHOWN HEREON AND THAT THIS PROFESSIONAL SERVICE CONFORMS TO THE CURRENT ILLINOIS MINIMUM STANDARDS FOR A BOUNDARY SURVEY OF THE EXISTING RIGHT OF WAY SHOWN HEREON.  
DATED \_\_\_\_\_  
PHILIP H. HUSKEY, PLS NO. 2659  
LICENSE EXPIRATION DATE: 11/30/2010



**Juneau Associates, Inc. P.C.**  
CONSULTING ENGINEERS AND LAND SURVEYORS  
2100 State Street, Granite City, Illinois 62040  
100 North Research Drive, St. Louis, Missouri 63021  
13610 Barrett Office Drive, Collinsville, Illinois 62234  
Phone: (618)771-1400 Fax: (618)659-2909  
Phone: (618)452-5241 Fax: (618)459-0100  
Registered Professional Service Corporation License No. 184-003389

SPACE RESERVED FOR RECORDING OFFICER

\* SEE TOTAL HOLDING AREA SOURCE TABLE ON SHEET 1

PARCEL NO.	OWNER	TOTAL HOLDING ACRES	FEE SIMPLE ACQUISITION				EASEMENTS		PERMANENT TAX NUMBER	PROPERTY ACQUIRED BY				
			GROSS ACRES	SQ. FT.	PREVIOUSLY DEDICATED AND/OR USED ACRES	NET ACRES	REMAINDER ACRES	PE = PERMANENT TE = TEMPORARY			EASEMENT PURPOSE			
8715021	D & B Marshall LLC, an Illinois Limited Liability Company MO-552.0 Doc. No. 2007R8292	12.47	0.7565	32,951	0.3679	16,027	0.3886	16,924	11.71	N/A	N/A	N/A	II-12-000-059 II-00-017-651	
8715022	Enviroclean Waste Management Inc. an Illinois Corporation MO-553.0 Doc. No. 2004R1302	13.03	N/A	N/A	N/A	N/A	N/A	N/A	13.03	TE-A= 0.0275 TE-B= 0.0139	TE-A= L200 TE-B= 607	Construction Grading	II-00-017-421 II-00-017-431	

COORDINATES AND BEARINGS SHOWN HEREON ARE BASED ON SURVEY CONTROL DATA AS PROVIDED BY THE ILLINOIS DEPARTMENT OF TRANSPORTATION.

STATION	COORDINATE TABLE		
	OFFSET	NORTH	EAST
CL Sta 98+00.00	0	114,594.1819	212,689.5211
CL PT Sta 100+00.00	0	114,595.9940	212,889.5129
CL Sta 100+98.27	46.72' LT	114,649.2254	212,981.3371
CL PT Sta 101+03.00	0	114,603.5459	212,992.1644

REVISION	
DATE	DESCRIPTION

ILLINOIS DEPARTMENT OF TRANSPORTATION  
PLAT OF HIGHWAYS  
FAP ROUTE 327 (U.S. ROUTE 50)  
SECTION 15B-1  
MARION COUNTY  
JOB NO. R-98-015-07  
STATION 98+00 TO STATION 102+00

COMPLETION DATE OF FIELD WORK PERFORMED  
LAND SURVEY: 7-31-2008  
RIGHT OF WAY STAKING:

ILLINOIS DEPARTMENT OF TRANSPORTATION  
DIVISION OF HIGHWAYS/DISTRICT 8  
102 EASTPORT PLAZA DRIVE  
COLLINSVILLE, ILLINOIS 62234-6198

SHEET 3 OF 10  
SHEET 1 IS A COVER SHEET

PART OF THE WEST 1/2 OF SECTION 12, T2N, R2E, OF THE 3RD PM, MARION COUNTY, ILLINOIS

COORDINATES AND BEARINGS SHOWN HEREON ARE BASED ON SURVEY CONTROL DATA AS PROVIDED BY THE ILLINOIS DEPARTMENT OF TRANSPORTATION.

THE TOPOGRAPHY SHOWN HEREON WAS ORIGINALLY LOCATED BY JUNEAU ASSOCIATES, INC. P.C. THE SURVEYOR FIELD VERIFIED AND SUPPLEMENTED THE TOPOGRAPHY SHOWN HEREON ON 7-31-2008.

COORDINATE TABLE			
STATION	OFFSET	NORTH	EAST
CL PC Sta 102+13.73	0	114,618.7578	213,101.8469
CL PT Sta 103+16.77	0	114,626.3100	213,204.5399
CL 103+75.32	68.60' LT	114,695.4375	213,262.4671
CL 104+50.32	68.25' LT	114,695.7607	213,337.4664
CL PC Sta 105+16.77	0	114,628.1118	213,404.5318
CL PT Sta 106+19.73	0	114,622.4209	213,507.2617
CL 106+33.86 Brass Plug	8.73' RT	114,617.0131	213,520.1269

SURVEYORS ADDITION NO. 13  
TO THE CITY OF SALEM  
(Misc. Bk. 13, Pg. 334)  
Recorded: 5-4-1914

SEE SHEET 8 FOR  
PARCEL 8715021  
TOTAL HOLDING

SEE SHEET 8 FOR  
PARCEL 8715024  
Detail A &  
TOTAL HOLDING

LAKEWOOD SUBDIVISION  
Vol. 3 of Plots Pg. 36  
Recorded: 4-22-1955

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
327	15B-1	MARION	58	24
STA. TO STA.		ILLINOIS FED. AID PROJECT		
FED. ROAD DIST. NO.		CONTRACT NO. 76A59		

LEGEND

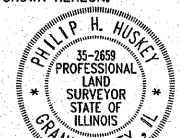
- EXISTING CENTERLINE
- EXISTING RIGHT OF WAY LINE
- EXISTING EASEMENT LINE
- AC EXISTING ACCESS CONTROL LINE
- AC PROPOSED ACCESS CONTROL LINE
- PROPOSED CENTERLINE
- PROPOSED RIGHT OF WAY LINE
- PROPOSED TEMPORARY EASEMENT LINE
- PROPOSED PERMANENT EASEMENT LINE
- SECTION LINE
- QUARTER SECTION LINE
- QUARTER QUARTER SECTION LINE
- PROPERTY (DEED) LINE
- APPARENT PROPERTY LINE
- MEASURED DIMENSION
- RECORDED DIMENSION
- RECORD AND MEASURED
- FOUND STONE
- FOUND IRON PIPE OR IRON ROD AT CORNER UNLESS OTHERWISE NOTED
- SET 5/8 INCH IRON ROD WITH PLASTIC CAP IDENTIFIED BY SURVEYORS LICENSE NUMBER AT CORNER UNLESS OTHERWISE NOTED
- PERMANENT SURVEY MONUMENT, I.D.O.I. ST. 66101 (TO BE SET BY OTHERS)
- SET 5/8 INCH IRON ROD AS SURVEY CONTROL UNLESS OTHERWISE NOTED
- FOUND CUT CROSS
- SET CUT CROSS
- SAME OWNERSHIP
- EXISTING BUILDING

STATE OF ILLINOIS )  
COUNTY OF ) SS

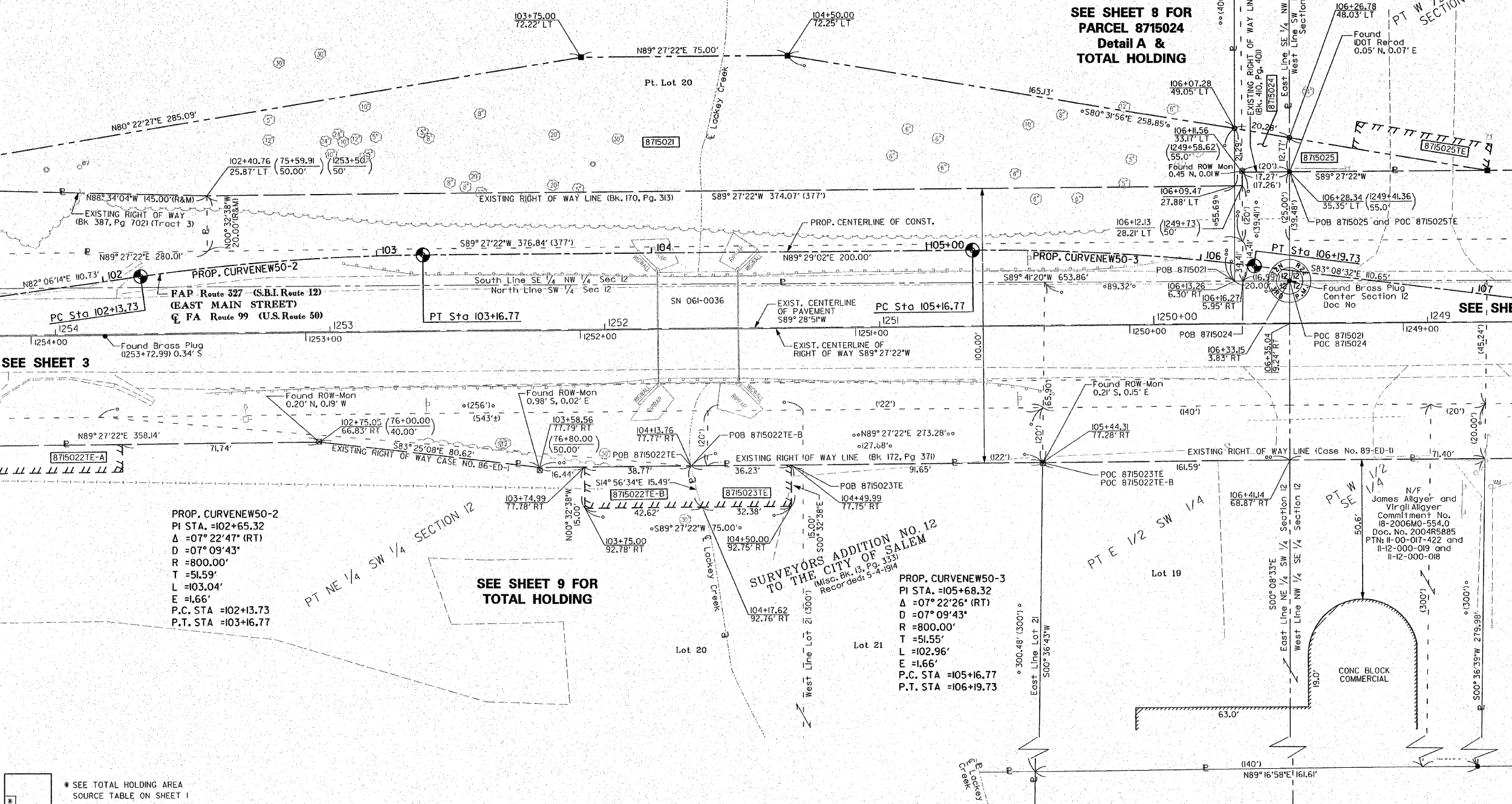
I, PHILIP H. HUSKEY, AN ILLINOIS PROFESSIONAL LAND SURVEYOR, CERTIFY THAT I HAVE SURVEYED THE PLAT OF HIGHWAY SHOWN HEREON AND THAT THIS PROFESSIONAL SERVICE CONFORMS TO THE CURRENT ILLINOIS MINIMUM STANDARDS FOR A BOUNDARY SURVEY OF THE EXISTING RIGHT OF WAY SHOWN HEREON.

DATED \_\_\_\_\_

PHILIP H. HUSKEY, PLS. NO. 2659  
LICENSE EXPIRATION DATE: 11/30/2010



**Juneau Associates, Inc. P.C.**  
CONSULTING ENGINEERS AND LAND SURVEYORS  
2100 State Street, Granite City, Illinois 62040  
Phone: (618) 977-1400 Fax: (618) 953-5541  
100 North Research Drive, Edwardsville, Illinois 62025-3649  
Phone: (618) 925-0200 Fax: (618) 953-0941  
13616 Borwell Office Drive, St. Louis, Missouri 63021  
Phone: (314) 956-0060 Fax: (314) 959-1351  
Registered Professional Service Corporation, License No. 184-003392



PROP. CURVENEW50-2  
PI STA. =102+65.32  
Δ =07° 22' 47" (RT)  
D =07° 09' 43"  
R =800.00'  
T =51.59'  
L =103.04'  
E =1.66'  
P.C. STA =102+13.73  
P.T. STA =103+16.77

PROP. CURVENEW50-3  
PI STA. =105+68.32  
Δ =07° 22' 26" (RT)  
D =07° 09' 43"  
R =800.00'  
T =51.55'  
L =102.96'  
E =1.66'  
P.C. STA =105+16.77  
P.T. STA =106+19.73

\* SEE TOTAL HOLDING AREA SOURCE TABLE ON SHEET 1

PARCEL NO.	OWNER	TOTAL HOLDING ACRES	GROSS		FEE SIMPLE ACQUISITION PREVIOUSLY DEDICATED AND/OR USED		NET		REMAINDER	EASEMENTS		PERMANENT TAX NUMBER	PROPERTY ACQUIRED BY
			ACRES	SQ. FT.	ACRES	SQ. FT.	ACRES	SQ. FT.		ACRES	SQ. FT.		
8715021	D & B Marshall LLC, an Illinois Limited Liability Company MO-552.0 Doc. No. 2007R8292	12.47	0.7565	32,951	0.3679	16,027	0.3986	16,924	11.71	N/A	N/A	11-12-000-059 11-00-017-651	
8715022	Enviroclean Waste Management Inc. an Illinois Corporation MO-553.0 Doc. No. 2004R1302	13.03	N/A	N/A	N/A	N/A	N/A	N/A	13.03	TE-A= 0.0275 TE-B= 0.0139	TE-A= 1,200 TE-B= 607	11-00-017-421 11-00-017-431	
8715023	James Allgyer and Virgil Allgyer, as joint tenants MO-554.0 Doc. No. 2004R5885	1.51	N/A	N/A	N/A	N/A	N/A	N/A	1.51	TE= 0.089	TE= 518	11-00-017-422 11-12-000-019 11-12-000-018	
8715024	Salem Lakewood Lake Owners Association, Inc. an Illinois General Not-For-Profit Corporation MO-583.0 Doc. No. 1994R4927	13.84	0.0093	404	0.0023	99	0.0070	305	13.83	N/A	N/A	11-12-100-000(P+)	

REVISION	
DATE	DESCRIPTION

ILLINOIS DEPARTMENT OF TRANSPORTATION  
PLAT OF HIGHWAYS  
FAP ROUTE 327 (U.S. ROUTE 50)  
SECTION 15B-1  
MARION COUNTY  
JOB NO. R-98-015-07  
STATION 101+75 TO STATION 107+00

SCALE: 1" = 20'

SHEET 4 OF 10

PRINTED

NOV 04 2009  
JUNEAU ASSOCIATES, INC.  
CONSULTING ENGINEERS

COMPLETION DATE OF FIELD WORK PERFORMED  
LAND SURVEY: 7-31-2008  
RIGHT OF WAY STAKING:

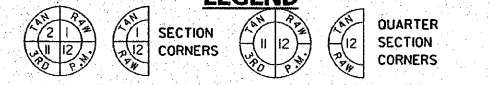
SPACE RESERVED FOR RECORDING OFFICER



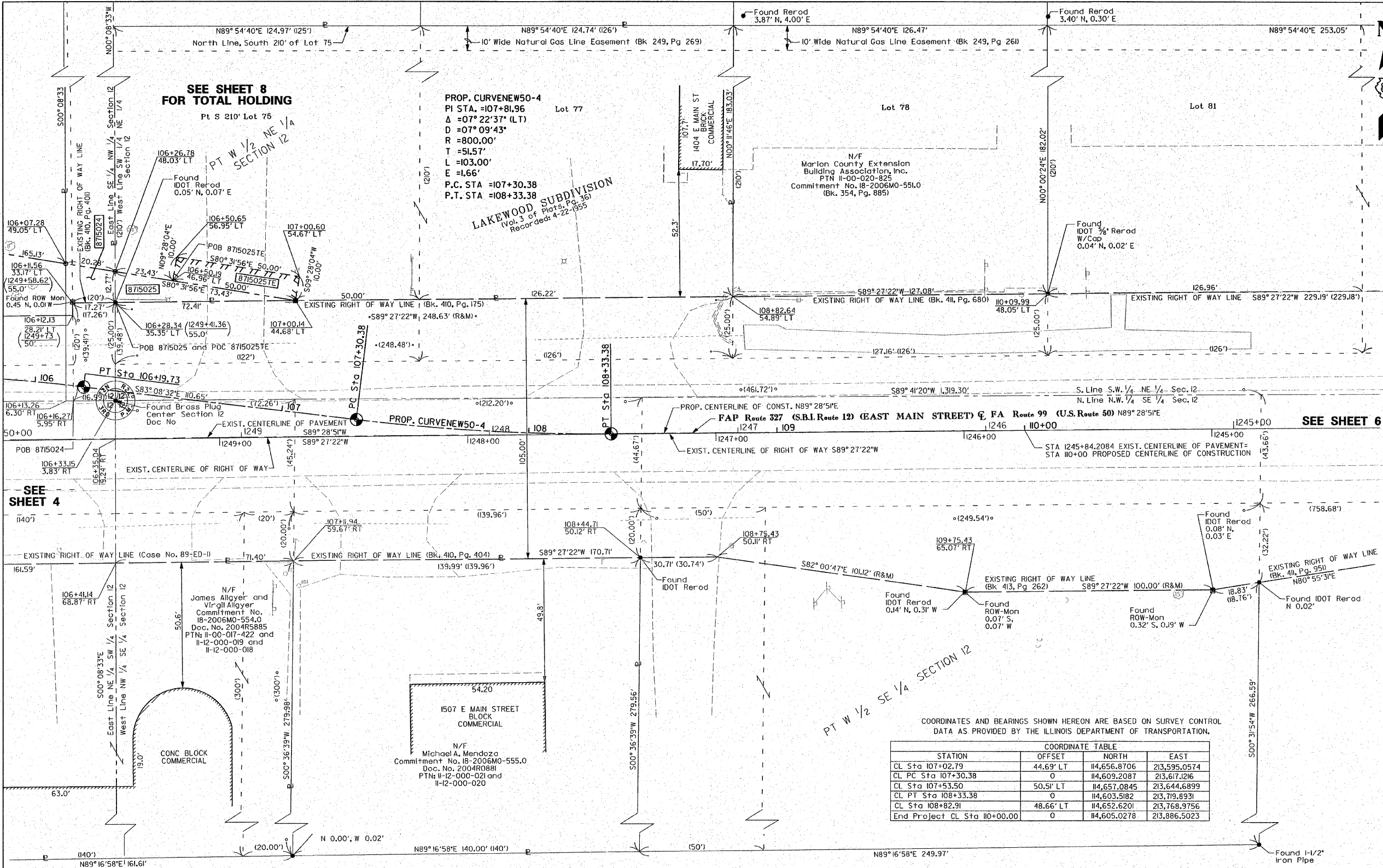
PART OF THE EAST 1/2 OF SECTION 12, T2N, R2E, OF THE 3RD PM, MARION COUNTY, ILLINOIS

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
327	15B-1	MARION	58	25
STA. TO STA.		FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT		
CONTRACT NO. 76A59				

LEGEND



- EXISTING CENTERLINE
- EXISTING RIGHT OF WAY LINE
- EXISTING EASEMENT LINE
- EXISTING ACCESS CONTROL LINE
- PROPOSED ACCESS CONTROL LINE
- PROPOSED CENTERLINE
- PROPOSED RIGHT OF WAY LINE
- PROPOSED TEMPORARY EASEMENT LINE
- PROPOSED PERMANENT EASEMENT LINE
- SECTION LINE
- QUARTER SECTION LINE
- PROPERTY (DEED) LINE
- APL APPARENT PROPERTY LINE
- MEASURED DIMENSION
- RECORDED DIMENSION
- RECORD AND MEASURED
- FOUND STONE
- FOUND IRON PIPE OR IRON ROD AT CORNER UNLESS OTHERWISE NOTED
- SET 5/8 INCH IRON ROD WITH PLASTIC CAP IDENTIFIED BY SURVEYORS LICENSE NUMBER AT CORNER UNLESS OTHERWISE NOTED
- PERMANENT SURVEY MONUMENT, I.D.O.T. STD. 66701 (TO BE SET BY OTHERS)
- SET 5/8 INCH IRON ROD AS SURVEY CONTROL UNLESS OTHERWISE NOTED
- FOUND CUT CROSS
- SET CUT CROSS
- SAME OWNERSHIP
- EXISTING BUILDING
- STAKING OF PROPOSED RIGHT OF WAY CORNERS. SET 5/8 INCH METAL ROD WITH DIVISION OF HIGHWAY SURVEY ALUMINUM CAP TO MONUMENT THE POSITION SHOWN. IDENTIFIED BY INSCRIPTION DATA AND SURVEYORS LICENSE NUMBER. (PROPOSED RIGHT OF WAY CORNERS SET IN CULTIVATED AREAS SHALL BE A MINIMUM OF 20 INCHES BELOW THE GROUND SURFACE).



COORDINATES AND BEARINGS SHOWN HEREON ARE BASED ON SURVEY CONTROL DATA AS PROVIDED BY THE ILLINOIS DEPARTMENT OF TRANSPORTATION.

STATION	OFFSET	NORTH	EAST
CL Sta 107+02.79	44.69' LT	114,656.8706	213,595.0574
CL PC Sta 107+30.38	0	114,609.2087	213,617.1216
CL Sta 107+53.50	50.51' LT	114,657.0845	213,644.6899
CL PT Sta 108+33.38	0	114,603.5182	213,719.8931
CL Sta 108+82.91	48.66' LT	114,652.6201	213,768.9756
End Project CL Sta 110+00.00	0	114,605.0278	213,886.5023

STATE OF ILLINOIS )  
 COUNTY OF ) SS  
 I, PHILIP H. HUSKEY, AN ILLINOIS PROFESSIONAL LAND SURVEYOR, CERTIFY THAT I HAVE SURVEYED THE PLAT OF HIGHWAY SHOWN HEREON AND THAT THIS PROFESSIONAL SERVICE CONFORMS TO THE CURRENT ILLINOIS MINIMUM STANDARDS FOR A BOUNDARY SURVEY OF THE EXISTING RIGHT OF WAY SHOWN HEREON.  
 DATED \_\_\_\_\_  
 PHILIP H. HUSKEY, PLS NO. 2659  
 LICENSE EXPIRATION DATE: 11/30/2010



Juneau Associates, Inc. P.C.  
 CONSULTING ENGINEERS AND LAND SURVEYORS  
 2100 State Street, Granite City, Illinois 62040 / 100 North Research Drive, St. Louis, Missouri 63101 / 13610 Barrett Office Drive, Collinsville, Illinois 62234-3841  
 Phone: (618) 977-1400 / Phone: (618) 939-0800 / Phone: (314) 854-0260  
 Fax: (618) 977-1404 / Fax: (618) 939-0941 / Fax: (314) 959-1331  
 Registered Professional Service Corporation License No. 184-003389

REVISION	DATE	DESCRIPTION

ILLINOIS DEPARTMENT OF TRANSPORTATION  
 PLAT OF HIGHWAYS  
 FAP ROUTE 327 (U.S. ROUTE 50)  
 SECTION 15B-1  
 MARION COUNTY  
 JOB NO. R-98-015-07  
 STATION 106+00 TO STATION 110+00  
 SCALE: 1" = 20'  
 SHEET 5 OF 10  
 ILLINOIS DEPARTMENT OF TRANSPORTATION  
 DIVISION OF HIGHWAYS/DISTRICT 8  
 102 EASTPORT PLAZA DRIVE  
 COLLINSVILLE, ILLINOIS 62234-6198  
 SHEET 1 IS A COVER SHEET

PRINTED  
 NOV 25 2009

JUNEAU ASSOCIATES, INC.  
 CONSULTING ENGINEERS

COMPLETION DATE OF FIELD WORK PERFORMED  
 LAND SURVEY: 7-31-2008  
 RIGHT OF WAY STAKING:

THE TOPOGRAPHY SHOWN HEREON WAS ORIGINALLY LOCATED BY JUNEAU ASSOCIATES, INC. P.C. THE SURVEYOR FIELD VERIFIED AND SUPPLEMENTED THE TOPOGRAPHY SHOWN HEREON ON 7-31-2008.

PARCEL NO.	OWNER	TOTAL HOLDING ACRES	GROSS			NET			REMAINDER ACRES	EASEMENTS		PERMANENT TAX NUMBER	PROPERTY ACQUIRED BY
			ACRES	SQ. FT.	SQ. FT.	ACRES	SQ. FT.	ACRES		SQ. FT.	PE = PERMANENT		
8715025	Terry A. Phillips, married person MO-550.0 Doc. No. 2004R2916	1.0525	0.0106	462	N/A	N/A	0.0106	462	1.0419	TE=0.015	TE=500	11-00-020-815	

File Name: V8\_04\_rpl\_E07380A.dgn  
 Ref: V8\_rpl\_E07380A.dgn  
 Ref: V8\_rpl\_E07380A.dgn

PLOT DATE: 11-25-2009

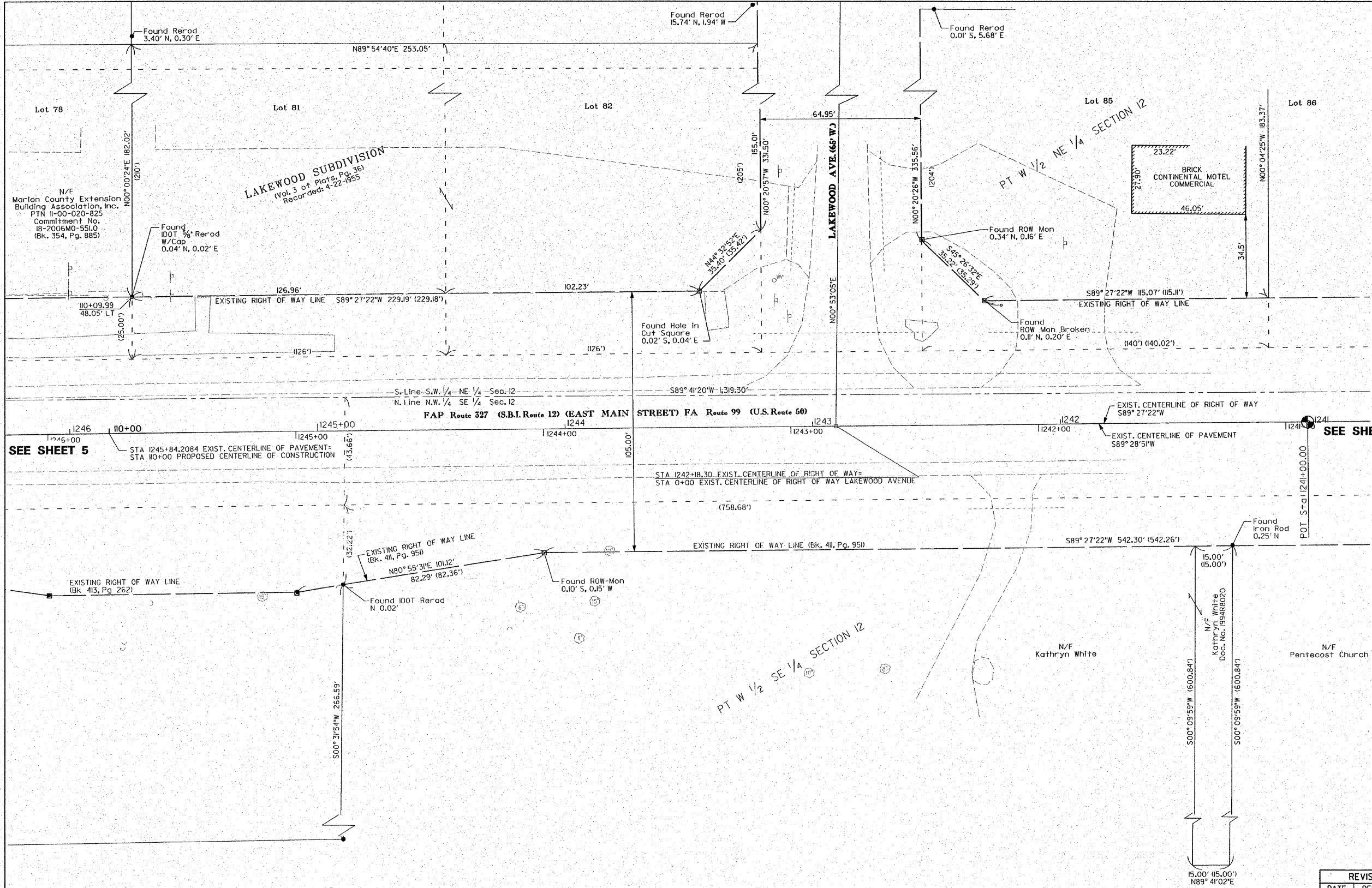
PART OF THE EAST 1/2 OF SECTION 12, T2N, R2E, OF THE 3RD PM, MARION COUNTY, ILLINOIS

F.A.P. No.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
327	15B-1	MARION	58	26
STA. TO STA.		ILLINOIS FED. AID PROJECT		
CONTRACT NO. 76A59				



**LEGEND**

	SECTION CORNERS		QUARTER SECTION CORNERS
	EXISTING CENTERLINE		EXISTING RIGHT OF WAY LINE
	EXISTING EASEMENT LINE		EXISTING ACCESS CONTROL LINE
	PROPOSED ACCESS CONTROL LINE		PROPOSED CENTERLINE
	PROPOSED RIGHT OF WAY LINE		PROPOSED TEMPORARY EASEMENT LINE
	PROPOSED PERMANENT EASEMENT LINE		SECTION LINE
	QUARTER SECTION LINE		QUARTER QUARTER SECTION LINE
	PROPERTY (DEED) LINE		APPARENT PROPERTY LINE
	MEASURED DIMENSION		RECORDED DIMENSION
	RECORD AND MEASURED		FOUND STONE
	FOUND IRON PIPE OR IRON ROD AT CORNER UNLESS OTHERWISE NOTED		SET 5/8 INCH IRON ROD WITH PLASTIC CAP IDENTIFIED BY SURVEYORS LICENSE NUMBER AT CORNER UNLESS OTHERWISE NOTED
	PERMANENT SURVEY MONUMENT, I.D.O.T. STD. 667101 (TO BE SET BY OTHERS)		SET 5/8 INCH IRON ROD AS SURVEY CONTROL UNLESS OTHERWISE NOTED
	FOUND CUT CROSS		SET CUT CROSS
	SAME OWNERSHIP		EXISTING BUILDING



SEE SHEET 5

SEE SHEET 7

STAKING OF PROPOSED RIGHT OF WAY CORNERS, SET 5/8 INCH METAL ROD WITH DIVISION OF HIGHWAY SURVEY ALUMINUM CAP TO MONUMENT THE POSITION SHOWN, IDENTIFIED BY INSCRIPTION DATA AND SURVEYORS LICENSE NUMBER. (PROPOSED RIGHT OF WAY CORNERS SET IN CULTIVATED AREAS SHALL BE A MINIMUM OF 20 INCHES BELOW THE GROUND SURFACE).

STATE OF ILLINOIS )  
COUNTY OF ) SS

I, PHILIP H. HUSKEY, AN ILLINOIS PROFESSIONAL LAND SURVEYOR, CERTIFY THAT I HAVE SURVEYED THE PLAT OF HIGHWAY SHOWN HEREON AND THAT THIS PROFESSIONAL SERVICE CONFORMS TO THE CURRENT ILLINOIS MINIMUM STANDARDS FOR A BOUNDARY SURVEY OF THE EXISTING RIGHT OF WAY SHOWN HEREON.

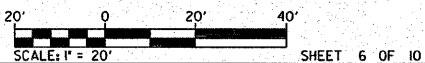
DATED \_\_\_\_\_  
PHILIP H. HUSKEY, PLS NO. 2659  
LICENSE EXPIRATION DATE: 11/30/2010



**Juneau Associates, Inc. P.C.**  
CONSULTING ENGINEERS AND LAND SURVEYORS  
2102 State Street, Granite City, Illinois 62040  
150 North Research Drive, Edwardsville, Illinois 62025-3648  
13610 Brentwood Office Drive, St. Louis, Missouri 63021  
Phone: (618)777-1400 Fax: (618)777-1400  
Phone: (618)259-5541 Fax: (618)259-5541  
Phone: (314)909-1331 Fax: (314)909-1331  
Registered Professional Service Corporation License No. 184-003389

REVISION	
DATE	DESCRIPTION

ILLINOIS DEPARTMENT OF TRANSPORTATION  
PLAT OF HIGHWAYS  
FAP ROUTE 327 (U.S. ROUTE 50)  
SECTION 15B-1  
MARION COUNTY  
JOB NO. R-98-015-07



PRINTED

NOV 04 2009

JUNEAU ASSOCIATES, INC.  
CONSULTING ENGINEERS

COMPLETION DATE OF FIELD WORK PERFORMED  
LAND SURVEY: 7-31-2008  
RIGHT OF WAY STAKING:

SPACE RESERVED FOR RECORDING OFFICER

COORDINATES AND BEARINGS SHOWN HEREON ARE BASED ON SURVEY CONTROL DATA AS PROVIDED BY THE ILLINOIS DEPARTMENT OF TRANSPORTATION.

COORDINATE TABLE			
STATION	OFFSET	NORTH	EAST
Exist. CL of Pavement POT Sta 124+00.00	0	14,609.4151	214,370.6908

THE TOPOGRAPHY SHOWN HEREON WAS ORIGINALLY LOCATED BY JUNEAU ASSOCIATES, INC. P.C. THE SURVEYOR FIELD VERIFIED AND SUPPLEMENTED THE TOPOGRAPHY SHOWN HEREON ON 7-31-2008.

File Name: V8\_05\_rpl\_E07388A.dgn  
Ref: V8\_rpl\_E07388A.dgn  
Ref: D8\_rpl\_rpl\_rpl.dgn

PLOT DATE: 11-4-2009

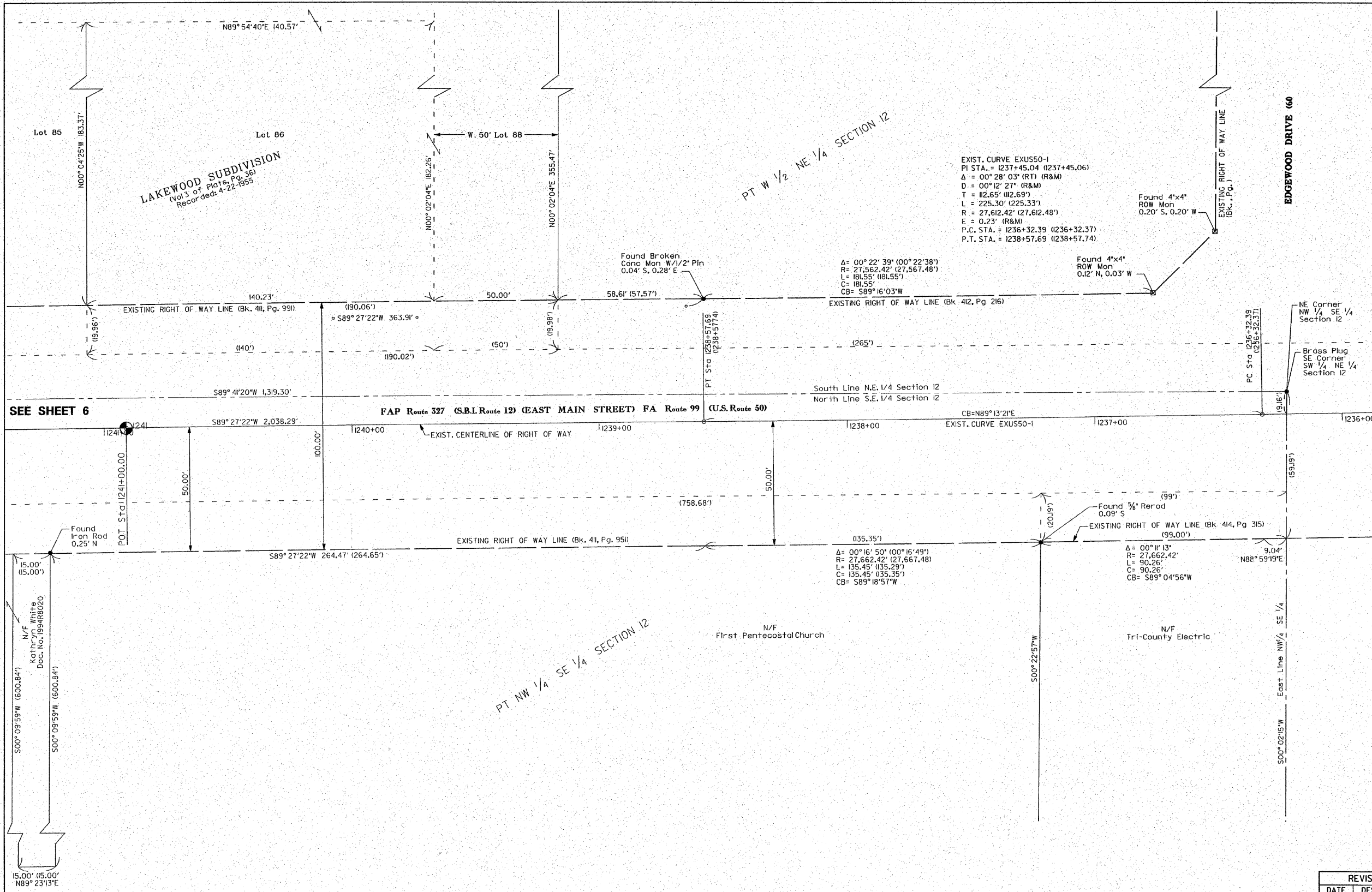
PART OF THE EAST 1/2 OF SECTION 12, T2N, R2E, OF THE 3RD PM, MARION COUNTY, ILLINOIS

F.A.P. RTE. 327	SECTION 15B-1	COUNTY MARION	TOTAL SHEETS 58	SHEET NO. 27
STA. _____		TO STA. _____		
FED. ROAD DIST. NO. _____		ILLINOIS FED. AID PROJECT _____		
CONTRACT NO. 76A59				



**LEGEND**

	SECTION CORNERS		QUARTER SECTION CORNERS
	EXISTING CENTERLINE		EXISTING RIGHT OF WAY LINE
	EXISTING EASEMENT LINE		EXISTING ACCESS CONTROL LINE
	PROPOSED ACCESS CONTROL LINE		PROPOSED CENTERLINE
	PROPOSED RIGHT OF WAY LINE		PROPOSED TEMPORARY EASEMENT LINE
	PROPOSED PERMANENT EASEMENT LINE		SECTION LINE
	QUARTER SECTION LINE		QUARTER QUARTER SECTION LINE
	PROPERTY (DEED) LINE		APPARENT PROPERTY LINE
	MEASURED DIMENSION		RECORDED DIMENSION
	RECORD AND MEASURED		FOUND STONE
	FOUND IRON PIPE OR IRON ROD AT CORNER UNLESS OTHERWISE NOTED		SET 5/8 INCH IRON ROD WITH PLASTIC CAP IDENTIFIED BY SURVEYOR'S LICENSE NUMBER AT CORNER UNLESS OTHERWISE NOTED
	PERMANENT SURVEY MONUMENT, I.D.O.T. STD. 66101 (TO BE SET BY OTHERS)		SET 5/8 INCH IRON ROD AS SURVEY CONTROL UNLESS OTHERWISE NOTED
	FOUND CUT CROSS		SET CUT CROSS
	SAME OWNERSHIP		EXISTING BUILDING



SEE SHEET 6

COORDINATES AND BEARINGS SHOWN HEREON ARE BASED ON SURVEY CONTROL DATA AS PROVIDED BY THE ILLINOIS DEPARTMENT OF TRANSPORTATION.

COORDINATE TABLE		
STATION	NORTH	EAST
Brass Plug SE Corner SW 1/4 NE 1/4 Section 12	114,624.1778	214,839.4110

SPACE RESERVED FOR RECORDING OFFICER

PRINTED

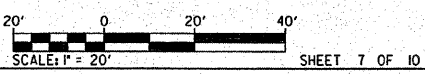
NOV 0 4 2009

JUNEAU ASSOCIATES, INC. CONSULTING ENGINEERS

COMPLETION DATE OF FIELD WORK PERFORMED  
LAND SURVEY: 7-31-2008  
RIGHT OF WAY STAKING:

REVISION	
DATE	DESCRIPTION

ILLINOIS DEPARTMENT OF TRANSPORTATION  
PLAT OF HIGHWAYS  
FAP ROUTE 327 (U.S. ROUTE 50)  
SECTION 15B-1  
MARION COUNTY  
JOB NO. R-98-015-07



SHEET 7 OF 10  
ILLINOIS DEPARTMENT OF TRANSPORTATION  
DIVISION OF HIGHWAYS/DISTRICT 8  
1102 EASTPORT PLAZA DRIVE  
COLLINSVILLE, ILLINOIS 62234-6198

STATE OF ILLINOIS )  
COUNTY OF )

I, PHILIP H. HUSKEY, AN ILLINOIS PROFESSIONAL LAND SURVEYOR, CERTIFY THAT I HAVE SURVEYED THE PLAT OF HIGHWAY SHOWN HEREON AND THAT THIS PROFESSIONAL SERVICE CONFORMS TO THE CURRENT ILLINOIS MINIMUM STANDARDS FOR A BOUNDARY SURVEY OF THE EXISTING RIGHT OF WAY SHOWN HEREON.

DATED \_\_\_\_\_

PHILIP H. HUSKEY, PLS NO. 2659  
LICENSE EXPIRATION DATE: 11/30/2010



**Juneau Associates, Inc. P.C.**  
CONSULTING ENGINEERS AND LAND SURVEYORS  
2100 State Street / 1100 North Research Drive / 13610 Barrett Office Drive  
Granite City, Illinois 62040 / Edwardsville, Illinois 62025-3648 / St. Louis, Missouri 63021  
Phone: (618)777-1400 / Phone: (618)636-0900 / Phone: (314)988-0000  
Fax: (618)452-5541 / Fax: (618)959-0941 / Fax: (314)909-1330  
Registered Professional Service Corporation License No. 184-003399

File Name: V8\_08-rpl-E073604A.dgn  
Ref: V8\_rpl-E073604A.dgn  
Ref: V8\_rpl-E073604A.dgn

THE TOPOGRAPHY SHOWN HEREON WAS ORIGINALLY LOCATED BY JUNEAU ASSOCIATES, INC. P.C. THE SURVEYOR FIELD VERIFIED AND SUPPLEMENTED THE TOPOGRAPHY SHOWN HEREON ON 7-31-2008.

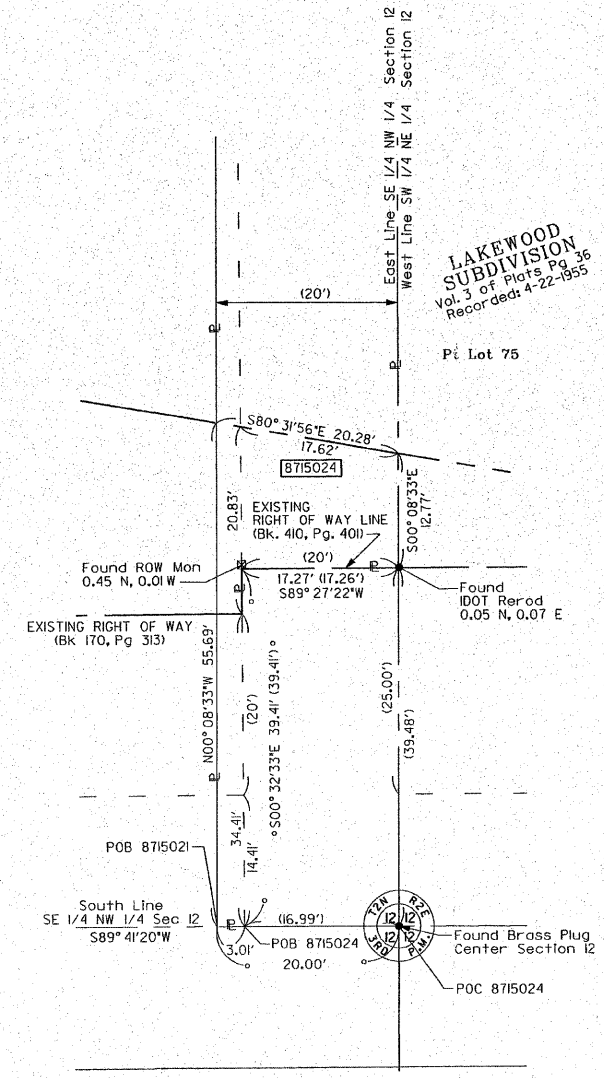
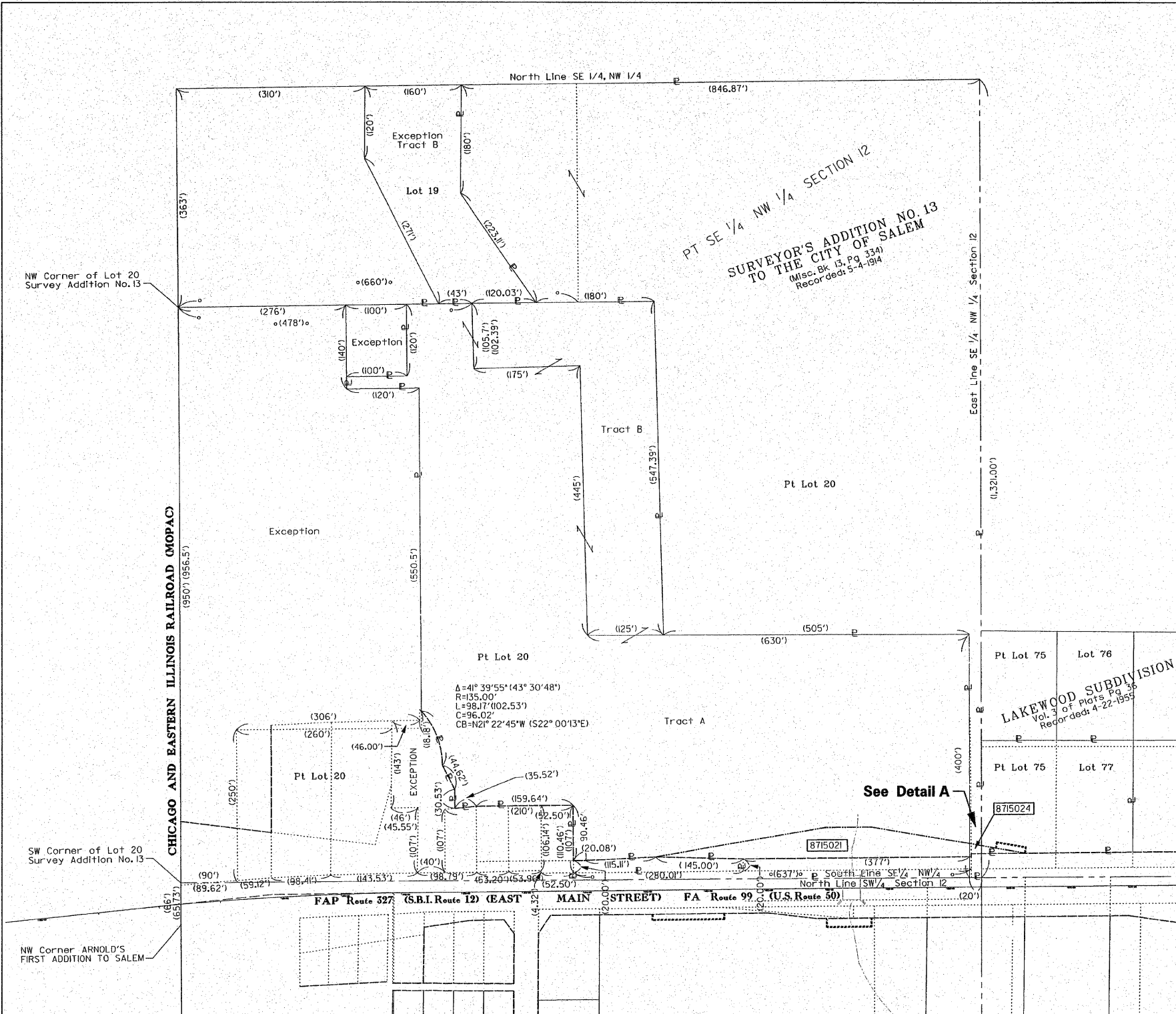


PART OF THE WEST 1/2 OF SECTION 12, T2N, R2E, OF THE 3RD PM, MARION COUNTY, ILLINOIS

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
327	15B-1	MARION	58	28
STA.	TO STA.			
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		
CONTRACT NO. 76A59				



- LEGEND**
- EXISTING CENTERLINE
  - EXISTING RIGHT OF WAY LINE
  - EXISTING EASEMENT LINE
  - AC EXISTING ACCESS CONTROL LINE
  - AC PROPOSED ACCESS CONTROL LINE
  - PROPOSED CENTERLINE
  - PROPOSED RIGHT OF WAY LINE
  - PROPOSED TEMPORARY EASEMENT LINE
  - PROPOSED PERMANENT EASEMENT LINE
  - SECTION LINE
  - QUARTER SECTION LINE
  - QUARTER QUARTER SECTION LINE
  - P PROPERTY (DEED) LINE
  - APL APPARENT PROPERTY LINE
  - 121.45' MEASURED DIMENSION
  - (121.45') RECORDED DIMENSION
  - (R&M) RECORD AND MEASURED
  - FOUND STONE
  - FOUND IRON PIPE OR IRON ROD AT CORNER UNLESS OTHERWISE NOTED
  - SET 5/8 INCH IRON ROD WITH PLASTIC CAP IDENTIFIED BY SURVEYORS LICENSE NUMBER AT CORNER UNLESS OTHERWISE NOTED
  - ⊙ PERMANENT SURVEY MONUMENT, I.D.O.T. STD. 667101 (TO BE SET BY OTHERS)
  - △ SET 5/8 INCH IRON ROD AS SURVEY CONTROL UNLESS OTHERWISE NOTED
  - + FOUND CUT CROSS
  - + SET CUT CROSS
  - SAME OWNERSHIP
  - ▭ EXISTING BUILDING
- STAKING OF PROPOSED RIGHT OF WAY CORNERS, SET 5/8 INCH METAL ROD WITH DIVISION OF HIGHWAY SURVEY ALUMINUM CAP TO MONUMENT THE POSITION SHOWN, IDENTIFIED BY INSCRIPTION DATA AND SURVEYORS LICENSE NUMBER. (PROPOSED RIGHT OF WAY CORNERS SET IN CULTIVATED AREAS SHALL BE A MINIMUM OF 20 INCHES BELOW THE GROUND SURFACE).



**Detail A**  
Scale: 1"=10'

See Detail A

**Notes:**  
Descriptions for Parcels 8715021 and 8715024  
Do Not close Mathematically

STATE OF ILLINOIS )  
COUNTY OF ) SS

I, PHILIP H. HUSKEY, AN ILLINOIS PROFESSIONAL LAND SURVEYOR, CERTIFY THAT I HAVE SURVEYED THE PLAT OF HIGHWAY SHOWN HEREON AND THAT THIS PROFESSIONAL SERVICE CONFORMS TO THE CURRENT ILLINOIS MINIMUM STANDARDS FOR A BOUNDARY SURVEY OF THE EXISTING RIGHT OF WAY SHOWN HEREON.

DATED \_\_\_\_\_

PHILIP H. HUSKEY, PLS. NO. 2659  
LICENSE EXPIRATION DATE: 11/30/2010



**Juneau Associates, Inc. P.C.**  
CONSULTING ENGINEERS AND LAND SURVEYORS  
2100 State Street, Granite City, Illinois 62040  
100 North Research Drive, St. Louis, Missouri 63021  
13610 Barrett Office Drive, Collinsville, Illinois 62234  
Phone: (618) 977-1400 Fax: (618) 925-0900  
Phone: (618) 925-0944 Fax: (618) 925-1138  
Registered Professional Service Corporation License No. 184-003389

REVISION	
DATE	DESCRIPTION

ILLINOIS DEPARTMENT OF TRANSPORTATION  
PLAT OF HIGHWAYS  
TOTAL HOLDING SHEET  
FAP ROUTE 327 (U.S. ROUTE 50)  
SECTION 15B-1  
MARION COUNTY  
JOB NO. R-98-015-07

100' 0 100' 200'  
SCALE: 1" = 100'

SHEET 8 OF 10

PRINTED

NOV 04 2009

JUNEAU ASSOCIATES, INC.  
CONSULTING ENGINEERS

SPACE RESERVED FOR RECORDING OFFICER

COMPLETION DATE OF FIELD WORK PERFORMED  
LAND SURVEY: 7-31-2008  
RIGHT OF WAY STAKING:

ILLINOIS DEPARTMENT OF TRANSPORTATION  
DIVISION OF HIGHWAYS/DISTRICT 8  
102 EASTPORT PLAZA DRIVE  
COLLINSVILLE, ILLINOIS 62234-6998

SHEET 1 IS A COVER SHEET

File Name: V8\_EB\_S11E.EP73884.dgn  
Ref: B-11E.EP73884.dgn  
Ref: 08-11E.EP73884.dgn

PART OF THE WEST 1/2 OF SECTION 12, T2N, R2E, OF THE 3RD PM, MARION COUNTY, ILLINOIS

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
327	15B-1	MARION	58	29
STA.		TO STA.		
FED. ROAD DIST. NO.		ILLINOIS	FED. AID PROJECT	
CONTRACT NO. 76A59				



- LEGEND**
- EXISTING CENTERLINE
  - EXISTING RIGHT OF WAY LINE
  - EXISTING EASEMENT LINE
  - EXISTING ACCESS CONTROL LINE
  - PROPOSED ACCESS CONTROL LINE
  - PROPOSED CENTERLINE
  - PROPOSED RIGHT OF WAY LINE
  - PROPOSED TEMPORARY EASEMENT LINE
  - PROPOSED PERMANENT EASEMENT LINE
  - SECTION LINE
  - QUARTER SECTION LINE
  - QUARTER QUARTER SECTION LINE
  - PROPERTY (DEED) LINE
  - APPL APPARENT PROPERTY LINE
  - MEASURED DIMENSION
  - RECORDED DIMENSION
  - RECORD AND MEASURED
  - FOUND STONE
  - FOUND IRON PIPE OR IRON ROD AT CORNER UNLESS OTHERWISE NOTED
  - SET 5/8 INCH IRON ROD WITH PLASTIC CAP IDENTIFIED BY SURVEYORS LICENSE NUMBER AT CORNER UNLESS OTHERWISE NOTED
  - PERMANENT SURVEY MONUMENT, I.D.O.T. STD. 66701 (TO BE SET BY OTHERS)
  - SET 5/8 INCH IRON ROD AS SURVEY CONTROL UNLESS OTHERWISE NOTED
  - FOUND CUT CROSS
  - SET CUT CROSS
  - SAME OWNERSHIP
  - EXISTING BUILDING

STATE OF ILLINOIS )  
 COUNTY OF ) SS  
 I, PHILIP H. HUSKEY, AN ILLINOIS PROFESSIONAL LAND SURVEYOR, CERTIFY THAT I HAVE SURVEYED THE PLAT OF HIGHWAY SHOWN HEREON AND THAT THIS PROFESSIONAL SERVICE CONFORMS TO THE CURRENT ILLINOIS MINIMUM STANDARDS FOR A BOUNDARY SURVEY OF THE EXISTING RIGHT OF WAY SHOWN HEREON.

DATED \_\_\_\_\_

PHILIP H. HUSKEY, PLS NO. 2659  
 LICENSE EXPIRATION DATE: 11/30/2010



**Juneau Associates, Inc. P.C.**  
 CONSULTING ENGINEERS AND LAND SURVEYORS  
 2100 State Street, Granite City, Illinois 62040 / 100 North Research Drive, St. Louis, Missouri 63071  
 Phone: (618) 977-1400 / Phone: (618) 259-0900  
 Fax: (618) 425-5541 / Fax: (618) 259-0941  
 Registered Professional Service Corporation License No. 184-003389

REVISION	DATE	DESCRIPTION

ILLINOIS DEPARTMENT OF TRANSPORTATION  
 PLAT OF HIGHWAYS  
 TOTAL HOLDING SHEET  
 FAP ROUTE 327 (U.S. ROUTE 50)  
 SECTION 15B-1  
 MARION COUNTY  
 JOB NO. R-98-015-07

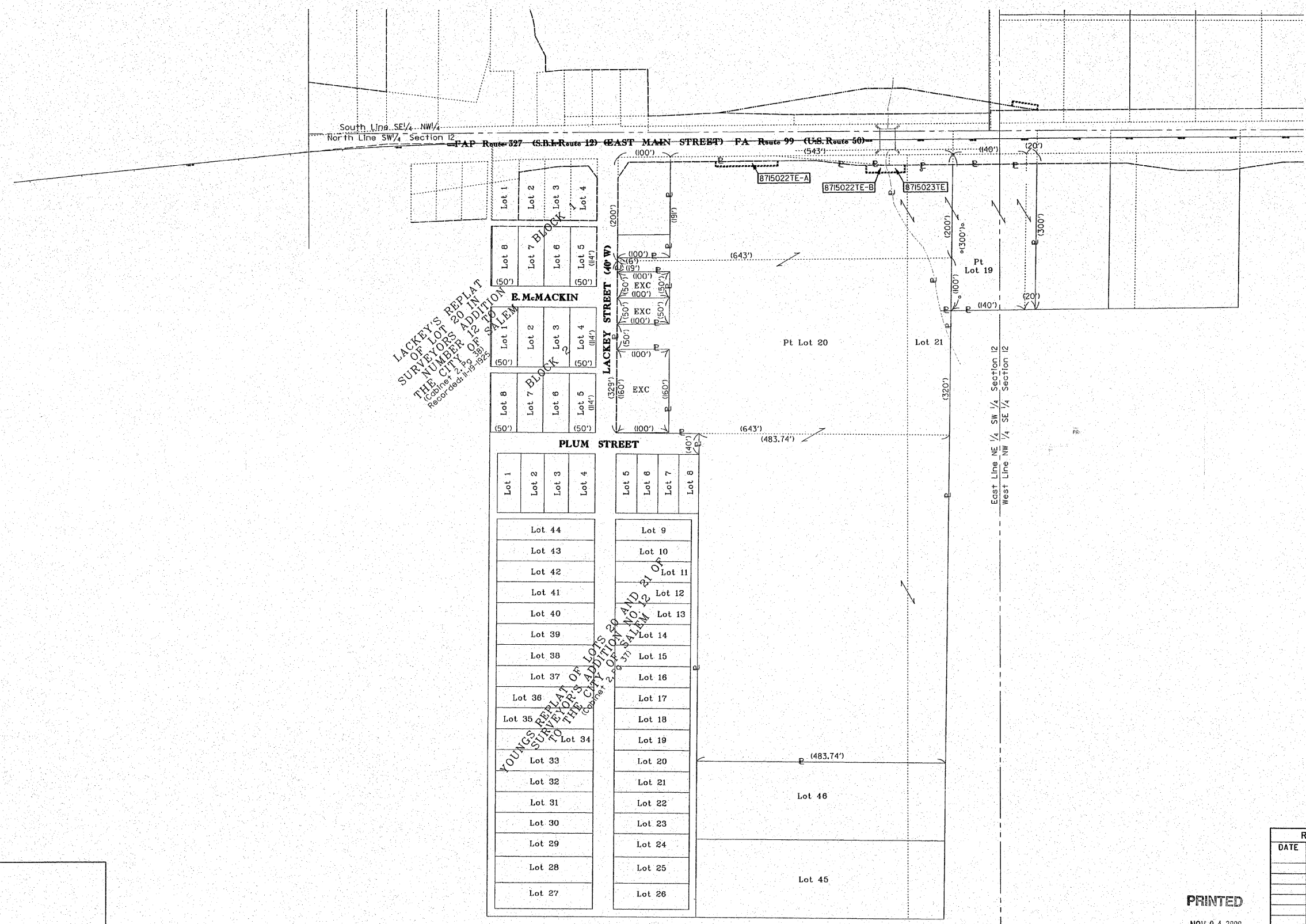
100' 0 100' 200'  
 SCALE: 1" = 100'

SHEET 9 OF 10

ILLINOIS DEPARTMENT OF TRANSPORTATION  
 DIVISION OF HIGHWAYS/DISTRICT 8  
 102 EASTPORT PLAZA DRIVE  
 COLLINSVILLE, ILLINOIS 62234-6498

**PRINTED**  
 NOV 04 2009  
 JUNEAU ASSOCIATES, INC.  
 CONSULTING ENGINEERS

COMPLETION DATE OF FIELD WORK PERFORMED  
 LAND SURVEY: 7-31-2008  
 RIGHT OF WAY STAKING:



LACKEY'S REPLAT  
 OF LOTS 20 AND 21  
 TO THE CITY OF SALEM  
 RECORDED: 1-19-1928

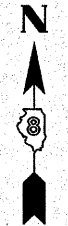
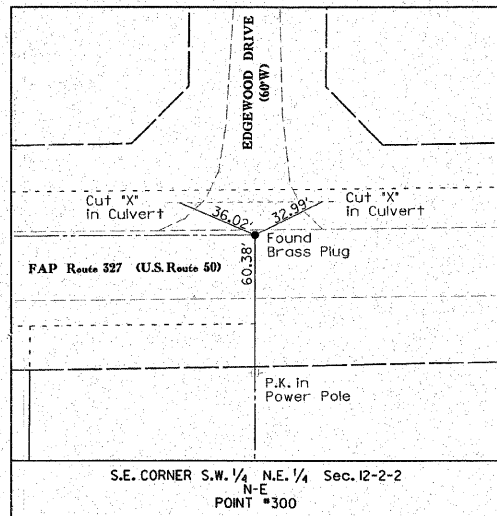
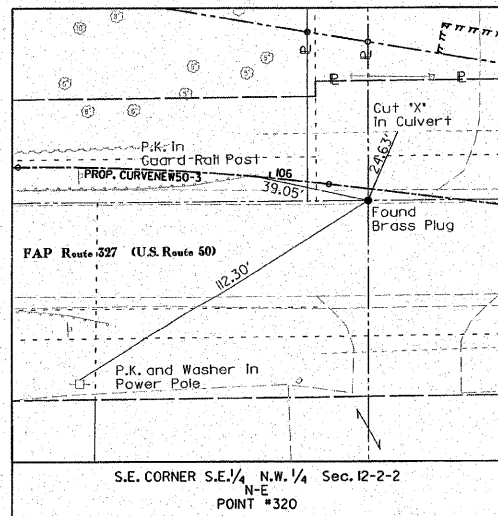
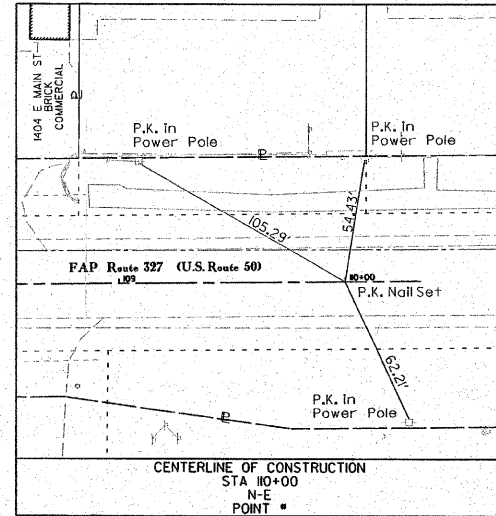
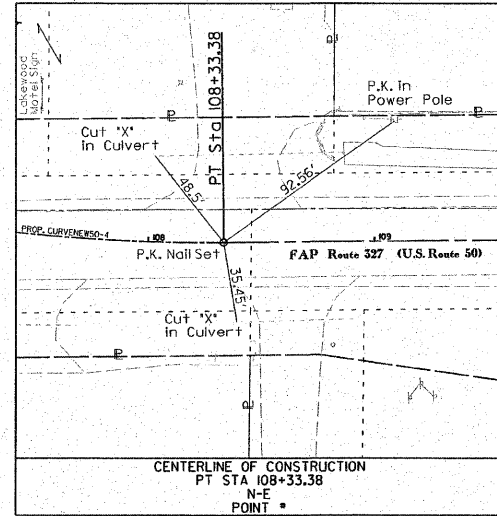
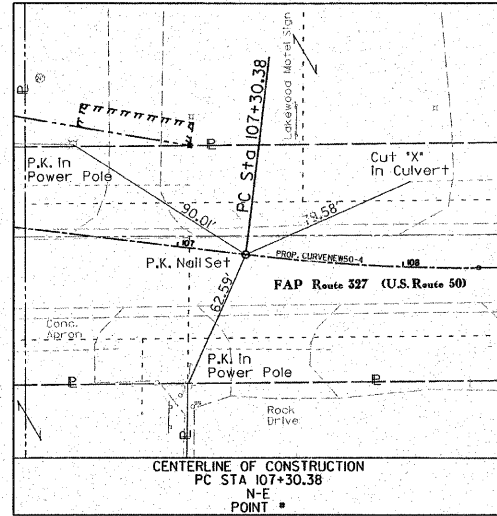
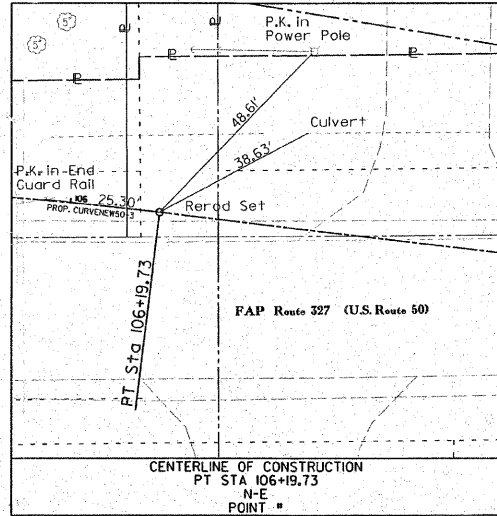
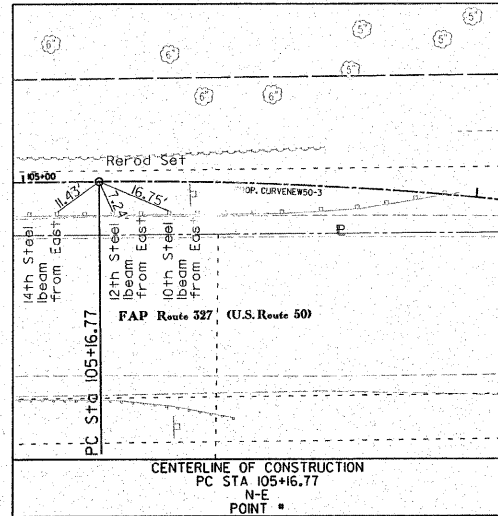
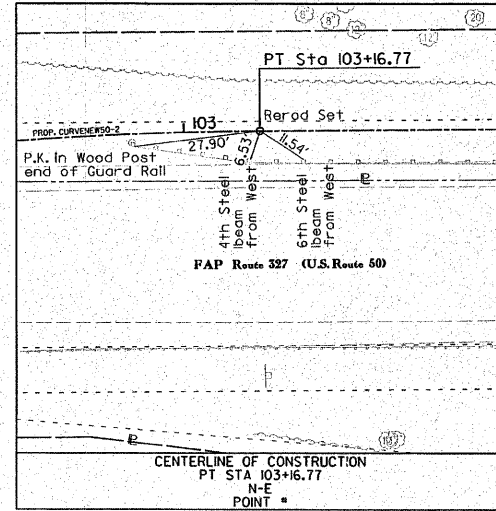
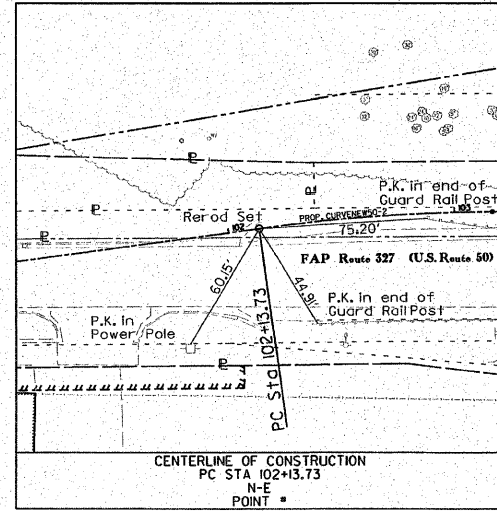
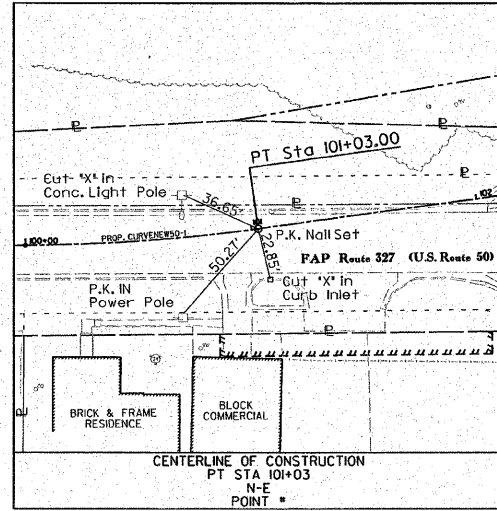
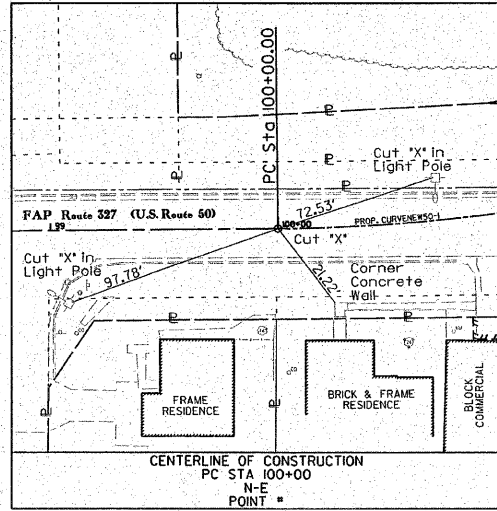
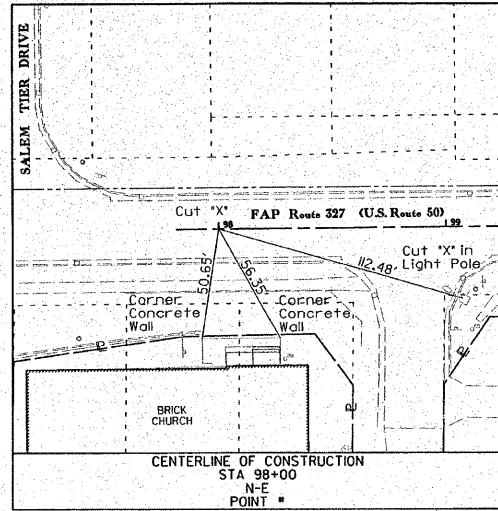
YOUNG'S REPLAT OF LOTS  
 20 AND 21 OF  
 SECTION 12, T2N, R2E, OF THE  
 3RD PM, MARION COUNTY, ILLINOIS

File Name: V8...\_rpl\_E073584A.dgn  
 Ref: V8...\_rpl\_E073584A.dgn  
 Ref: V8...\_rpl\_E073584A.dgn

SPACE RESERVED FOR RECORDING OFFICER

PART OF SECTION 12, T2N, R2E, OF THE 3RD PM, MARION COUNTY, ILLINOIS

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
327	15B-1	MARION	58	29A
STA.		TO STA.		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		
CONTRACT NO. 76A59				



PLOT DATE = 11/04/2009  
DATE = 11/04/2009  
PLOT SCALE = 1" = 40'  
SCALE = 1" = 40'  
USER NAME = PHILIP H. HUSKEY

STATE OF ILLINOIS )  
COUNTY OF )

I, PHILIP H. HUSKEY, AN ILLINOIS PROFESSIONAL LAND SURVEYOR, CERTIFY THAT I HAVE SURVEYED THE PLAT OF HIGHWAY SHOWN HEREON AND THAT THIS PROFESSIONAL SERVICE CONFORMS TO THE CURRENT ILLINOIS MINIMUM STANDARDS FOR A BOUNDARY SURVEY OF THE EXISTING RIGHT OF WAY SHOWN HEREON.

DATED \_\_\_\_\_  
PHILIP H. HUSKEY, PLS NO. 2659  
LICENSE EXPIRATION DATE: 11/30/2010



SPACE RESERVED FOR RECORDING OFFICER

PRINTED

NOV 04 2009

JUNEAU ASSOCIATES, INC.  
CONSULTING ENGINEERS

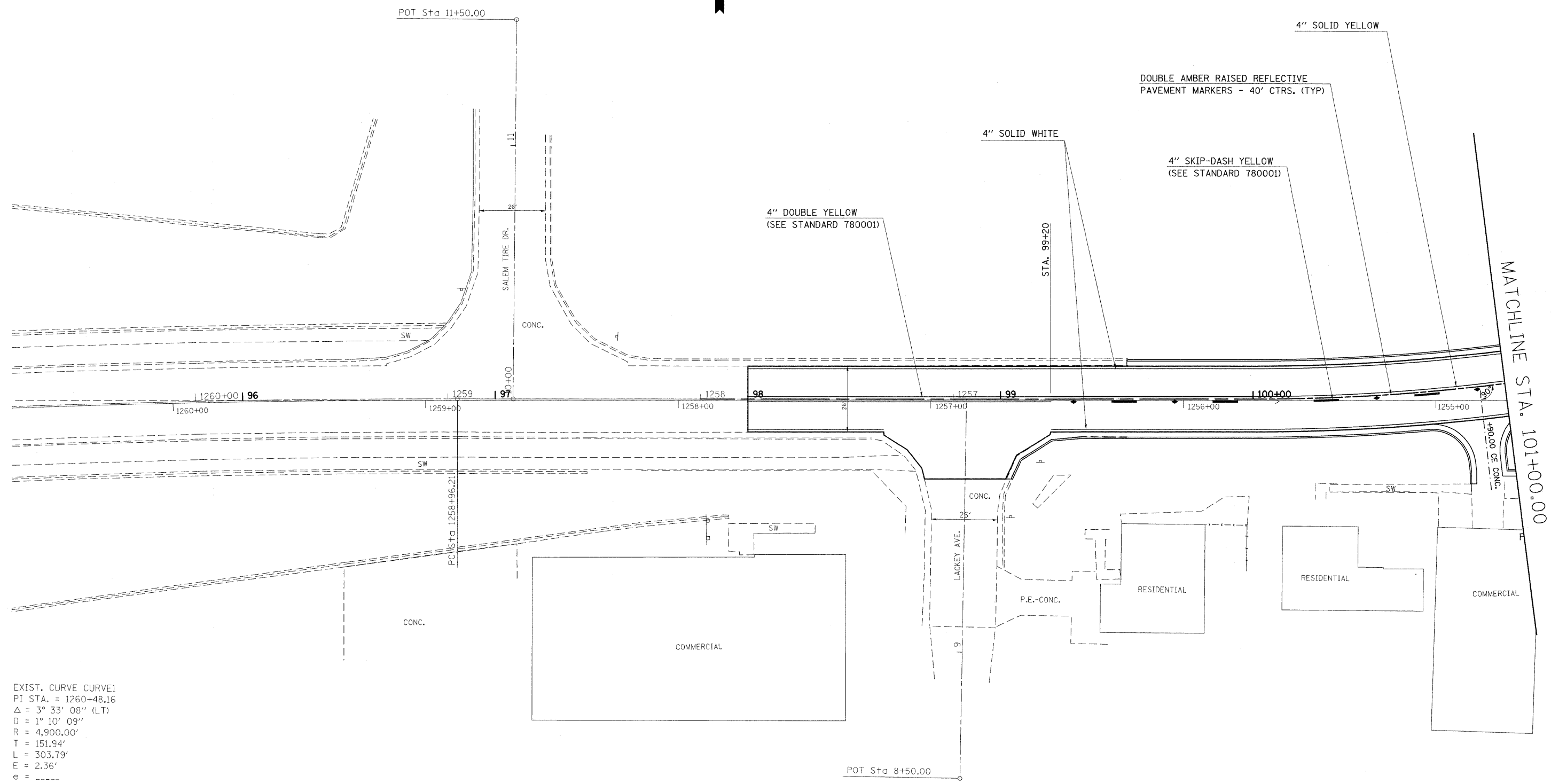
COMPLETION DATE OF FIELD WORK PERFORMED  
LAND SURVEY:  
RIGHT OF WAY STAKING:

REVISION	
DATE	DESCRIPTION

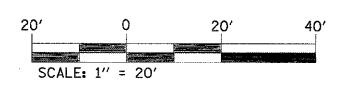
**Juneau Associates, Inc. P.C.**  
CONSULTING ENGINEERS AND LAND SURVEYORS  
2100 State Street  
Granite City, Illinois 62040  
Phone: (618) 772-1400  
Fax: (618) 772-2541  
Registered Professional Service Corporation License No. 104-053289

ILLINOIS DEPARTMENT OF TRANSPORTATION  
PLAT OF HIGHWAYS  
FAP ROUTE 327 (U.S. ROUTE 50)  
SECTION 15B-1  
MARION COUNTY  
JOB NO. R-98-015-07  
REFERENCE TIES

NOT TO SCALE SHEET 10 OF 10  
ILLINOIS DEPARTMENT OF TRANSPORTATION  
DIVISION OF HIGHWAYS/DISTRICT 9  
1102 EASTPORT PLAZA DRIVE  
COLLINSVILLE, ILLINOIS 62234-6998  
SHEET 11 IS A COVER SHEET

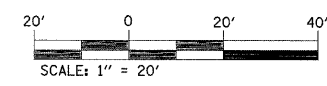
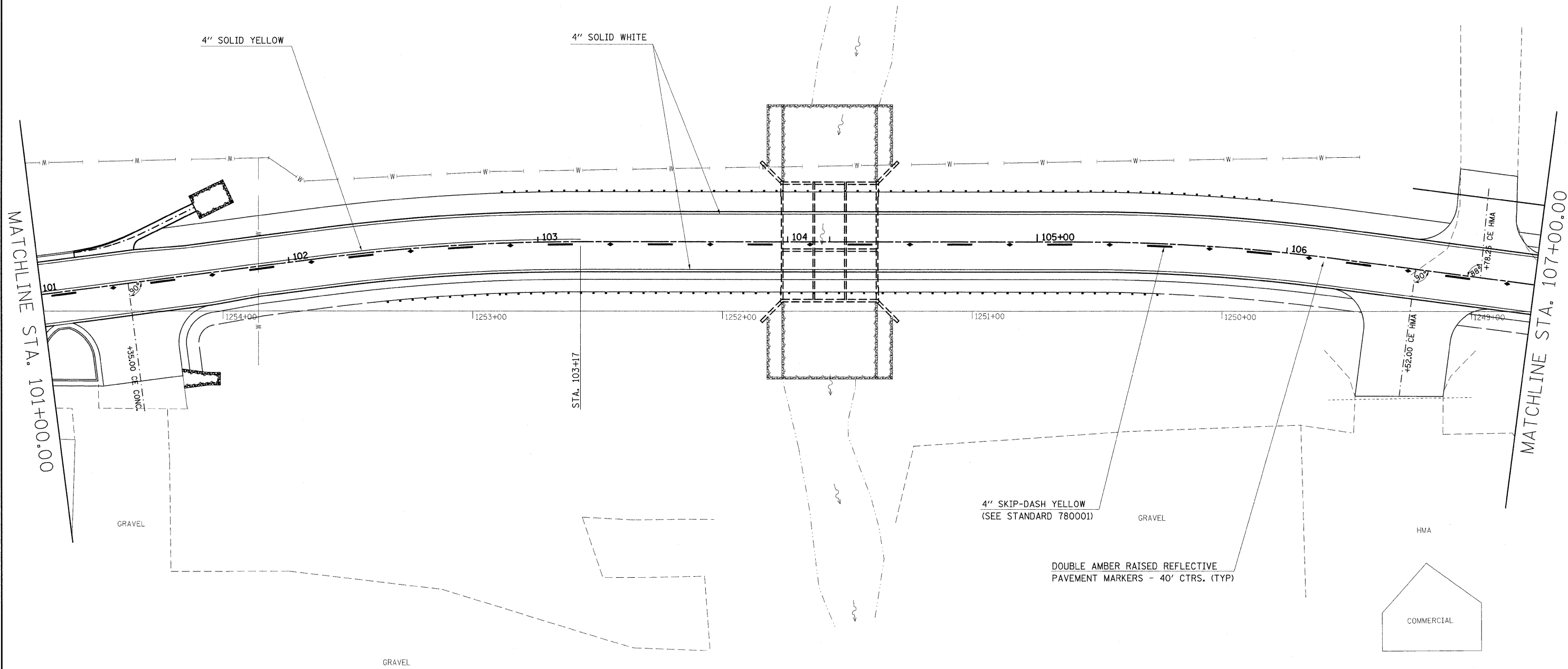


EXIST. CURVE CURVE1  
 PI STA. = 1260+48.16  
 $\Delta = 3^\circ 33' 08''$  (LT)  
 $D = 1^\circ 10' 09''$   
 $R = 4,900.00'$   
 $T = 151.94'$   
 $L = 303.79'$   
 $E = 2.36'$   
 $e =$   
 $T.R. =$   
 $S.E. RUN =$   
 P.C. STA. = 1258+96.21  
 P.T. STA. = 1262+00.00



FILE NAME = \$FILEL\$	USER NAME = \$USER\$	DESIGNED -	REVISED -	<b>STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION</b>	<b>PAVEMENT MARKING SHEET</b>			F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	PLOT SCALE = \$SCALE\$	DRAWN -	REVISED -					327	15B-1	MARION	58	30
PLOT DATE = \$DATE\$	DATE -	REVISED -	REVISED -	SCALE: 20	SHEET NO. 1 OF 3 SHEETS	STA. ---	TO STA. 101+00	CONTRACT NO. 76A59				
ILLINOIS FED. AID PROJECT												





FILE NAME = #FILE#	USER NAME = #USER#	DESIGNED -	REVISED -
	PLOT SCALE = #SCALE#	DRAWN -	REVISED -
	PLOT DATE = #DATE#	CHECKED -	REVISED -
		DATE -	REVISED -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

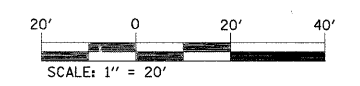
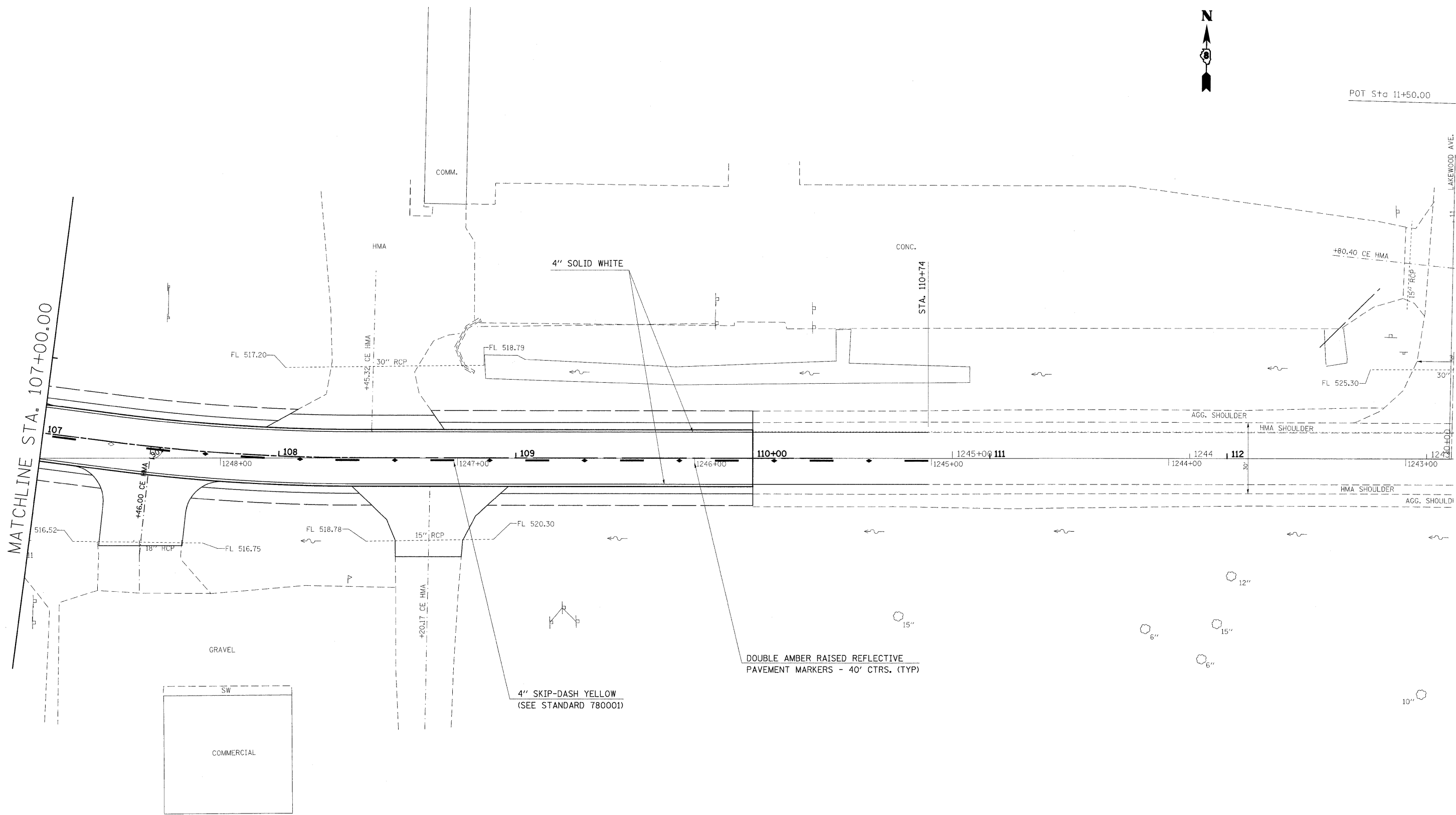
**PAVEMENT MARKING SHEET**

SCALE: 20 SHEET NO. 2 OF 3 SHEETS STA. 101+00 TO STA. 107+00

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
327	15B-1	MARION	58	31
<b>CONTRACT NO. 76A59</b>				
ILLINOIS FED. AID PROJECT				



POT Sta 11+50.00



FILE NAME = #FILE#	USER NAME = #USER#	DESIGNED -	REVISED -	<b>STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION</b>	<b>PAVEMENT MARKING SHEET</b>			F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	PLOT SCALE = #SCALE#	DRAWN -	REVISED -					327	15B-1	MARION	58	32
PLOT DATE = #DATE#	CHECKED -	REVISED -	REVISED -		CONTRACT NO. 76A59			ILLINOIS FED. AID PROJECT				
	DATE -	REVISED -	REVISED -		SCALE: 20	SHEET NO. 3 OF 3 SHEETS	STA. 107+00	TO STA. ---				

Bench Mark: Chiseled "□" on S.W. Wing Wall of existing abutment, S.N. 061-0036, Elevation, 519.48

Existing Structure: S.N. 061-0036, built in 1922 as Route 12, Section 15-B with reconstruction and widening in 1951 as S.B.I. Route 12, Section 15-B-Y is a 29'-0" long single span structure consisting of an 18" to 19 1/2" thick concrete slab with a minimum of 7" bituminous overlay. The deck width is 37'-0" and the Bk-to-Bk of abutment length is 30'-0". Traffic shall be maintained utilizing stage construction.

No salvage.

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

INDEX OF SHEETS

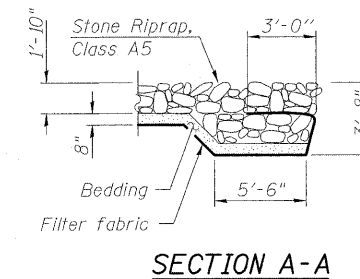
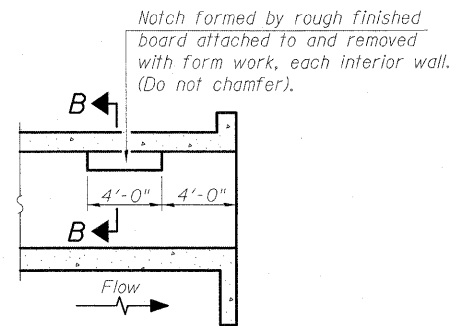
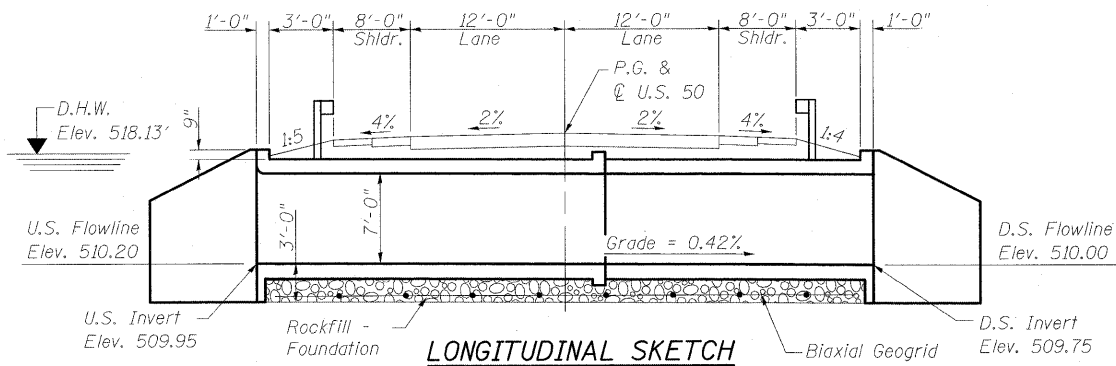
1. General Plan
2. Stage Construction Details
3. Culvert Details-Top Slab
4. Culvert Details-Bottom Slab
5. Culvert Details
6. Bar Splicer Assembly Details
- 7.-9. Soil Borings

STATION 104+16.83  
BUILT 200\_ BY  
STATE OF ILLINOIS  
F.A.P. ROUTE 327, SEC. 15B-1  
LOADING HS 20-44  
STR. NO 061-2026

NAME PLATE  
(See Std. 515001)

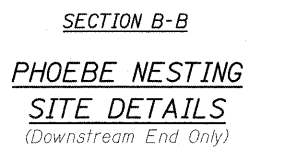
GENERAL NOTES

The minimum 2'-0" removal of unsuitable materials shall be replaced with Rockfill - Foundation.  
Reinforcement bars shall conform to the requirements of ASTM A 706 Gr 60. See Special Provisions.  
Layout of slope protection system may be varied in the field to suit ground condition as directed by the Engineer.  
The Contractor is advised that the existing deck is in a deteriorated condition with reduced load carrying capacity. It is the Contractors responsibility to account for the condition of the beams when developing construction procedures for removal and replacement of the superstructure. Precast alternative is not allowed.  
If the Contractor's procedures for existing superstructure removal involves placement of heavy equipment on the existing superstructure, a detailed procedure shall be submitted to the Engineer for approval. The procedure shall include calculations, sealed by an Illinois Licensed Structural Engineer, verifying the structural adequacy of the superstructure for the proposed loads. Cost included with Removal of Existing Structures.  
The actual depth of removal and replacement should be adjusted during construction based on dynamic cone penetration (DCP) test or other acceptable measures. If the IBV is determined to be <1, then Biaxial Geogrid will be used at the base of the rock excavation. The limits and quantities of removal and replacement shown are based on the boring data and may be modified by the District Geotechnical and Field Engineers for variable subsurface conditions encountered in the field. Please contact the District Geotechnical Engineer prior to starting the excavation for the box culvert.



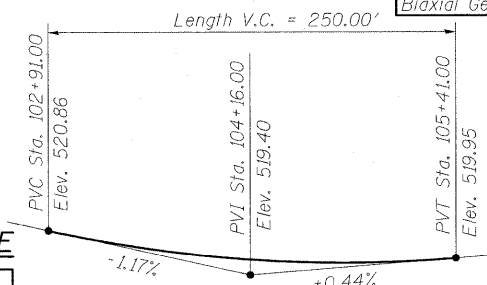
TOTAL BILL OF MATERIAL

ITEM	UNIT	TOTAL
Stone Riprap Class A5	Sq. Yd.	368
Filter Fabric	Sq. Yd.	368
Removal of Existing Structures	Each	1
Removal & Disposal of Unsuitable Materials	Cu. Yd.	140.6
Reinforcement Bars	Pound	41510
Bar Splicers	Each	192
Name Plates	Each	1
Concrete Box Culverts	Cu. Yd.	215.1
Rockfill - Foundation	Ton	189.8
Temporary Soil Retention System	Sq. Ft.	467.2
Biaxial Geogrid	Sq. Yd.	221



DESIGN SCOUR ELEVATION TABLE

Design Scour Elevation (ft.)	U.S. Invert	D.S. Invert
	506.95	506.75



DESIGN SPECIFICATIONS  
2002 AASHTO Standard Specifications  
for Highway Bridges

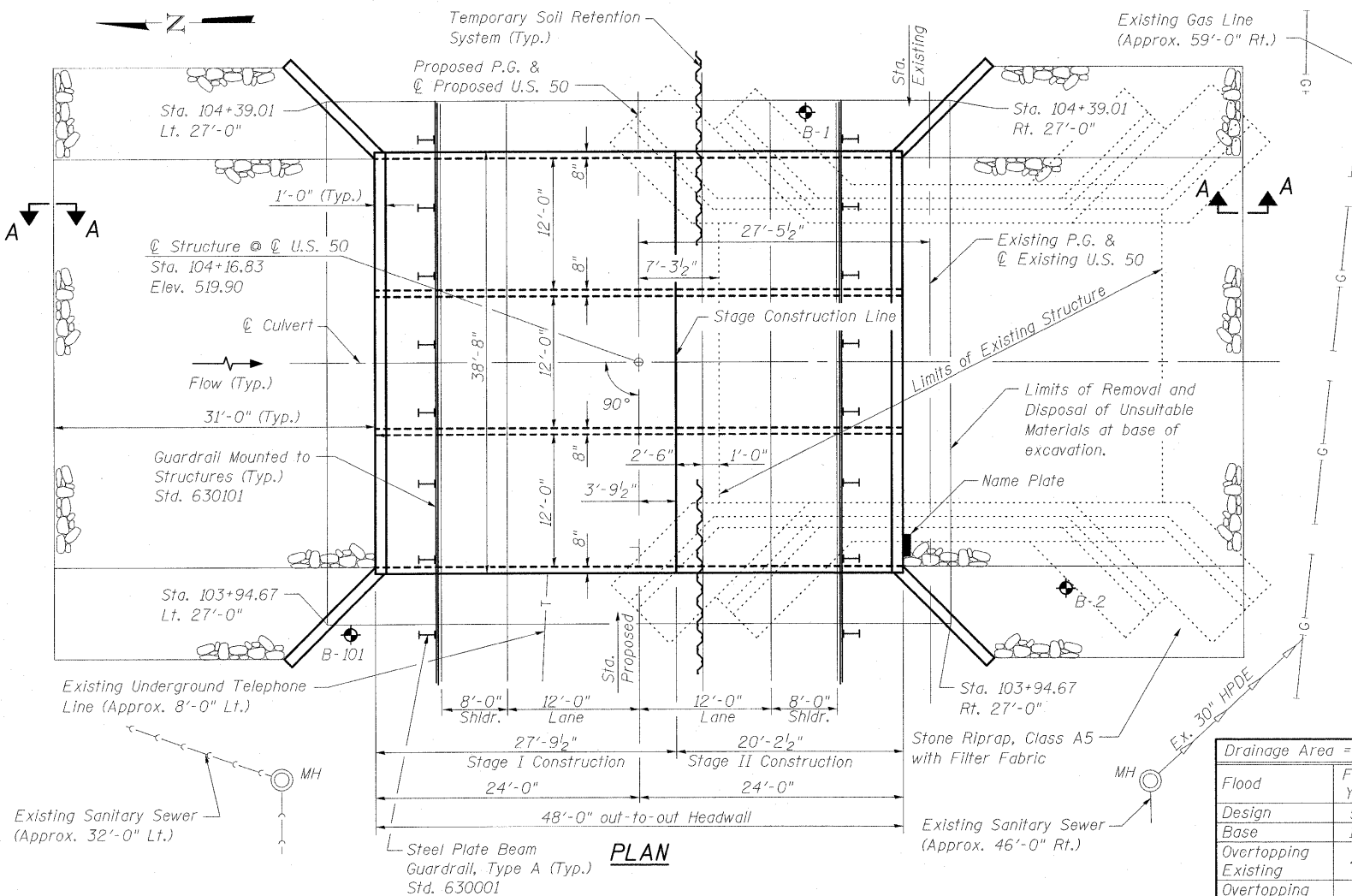
DESIGN STRESSES  
FIELD UNITS

f'c = 3,500 psi  
fy = 60,000 psi (Reinforcement)

LOADING HS20-44

Allow 50#/sq. ft. for future wearing surface.

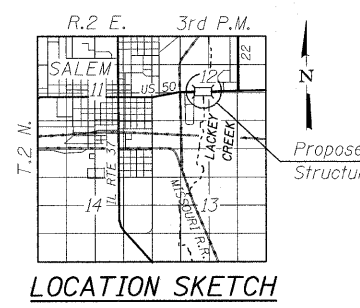
GENERAL PLAN  
U.S. 50 OVER LACKEY CREEK  
STRUCTURE NO. 061-2026



WATERWAY INFORMATION

Drainage Area = 4.45 sq. mi. Low Grade Elev. 519.8 ft. @ Sta. 104+73

Flood	Freq. Yr.	Q		Opening Sq. Ft.		H.W.E.		Headwater El.	
		Exist.	Prop.	Exist.	Prop.	Exist.	Prop.	Exist.	Prop.
Design	50	2,182	203	252	518.13	1.82	0.79	519.95	518.92
Base	100	2,570	203	252	518.50	2.70	1.20	521.20	519.70
Overtopping Existing	48	2,125	203		518.07	1.73		519.80	
Overtopping Proposed	111	2,625		252	518.55		1.25	519.80	
Scour	10	1,332	193	251	517.16	0.64	0.16	517.80	517.32



DESIGNED	A.C.S.
CHECKED	B.B.
DRAWN	W.J.S.
CHECKED	C.J.F.

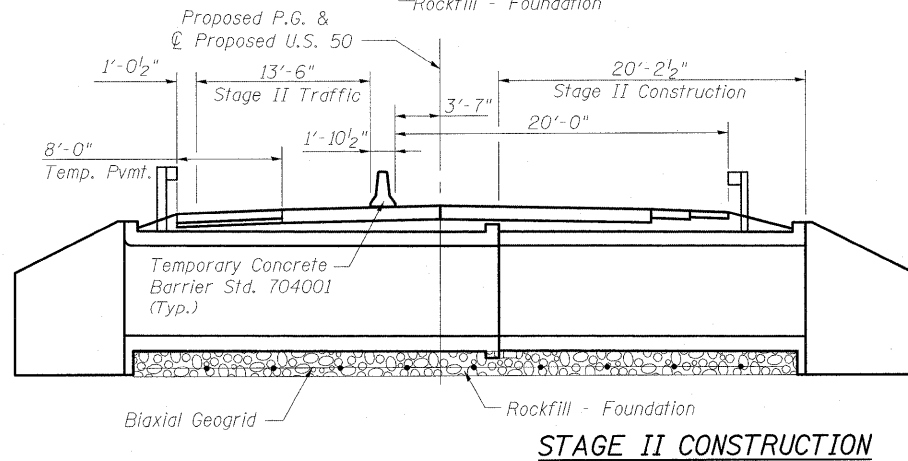
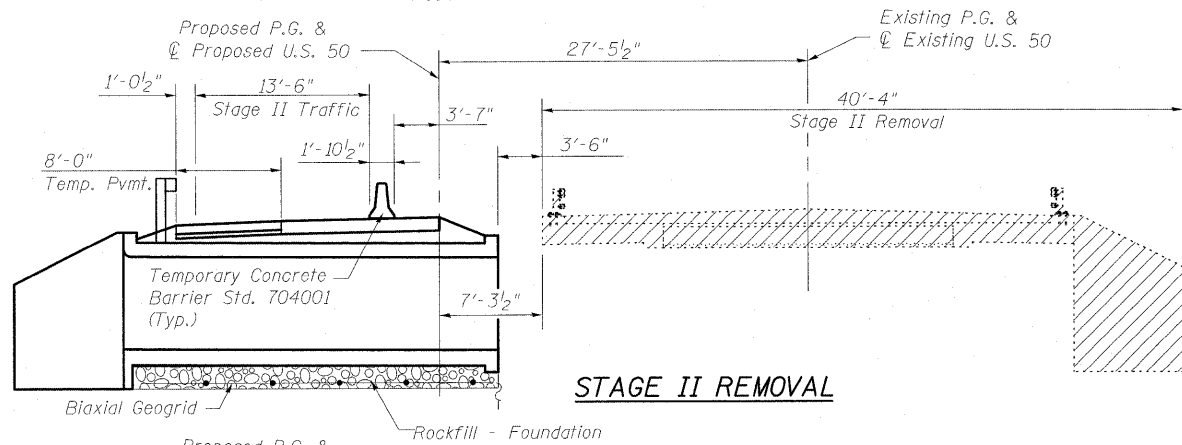
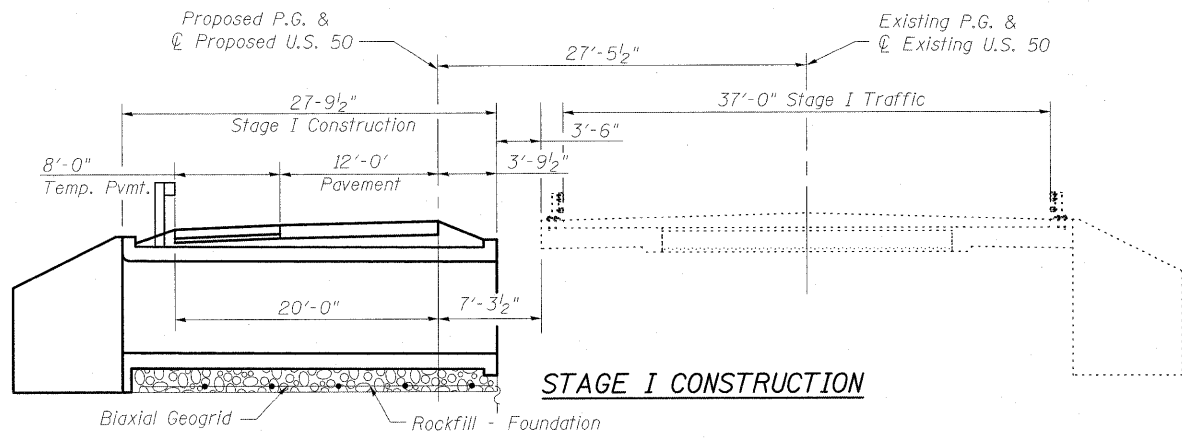
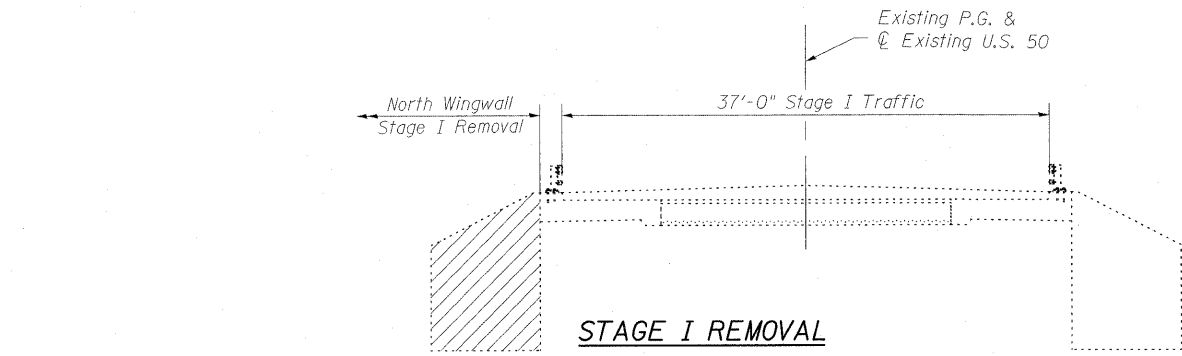


APPROVED  
FOR STRUCTURAL ADEQUACY ONLY  
Ralph E. Anderson (SE)  
ENGINEER OF BRIDGES AND STRUCTURES

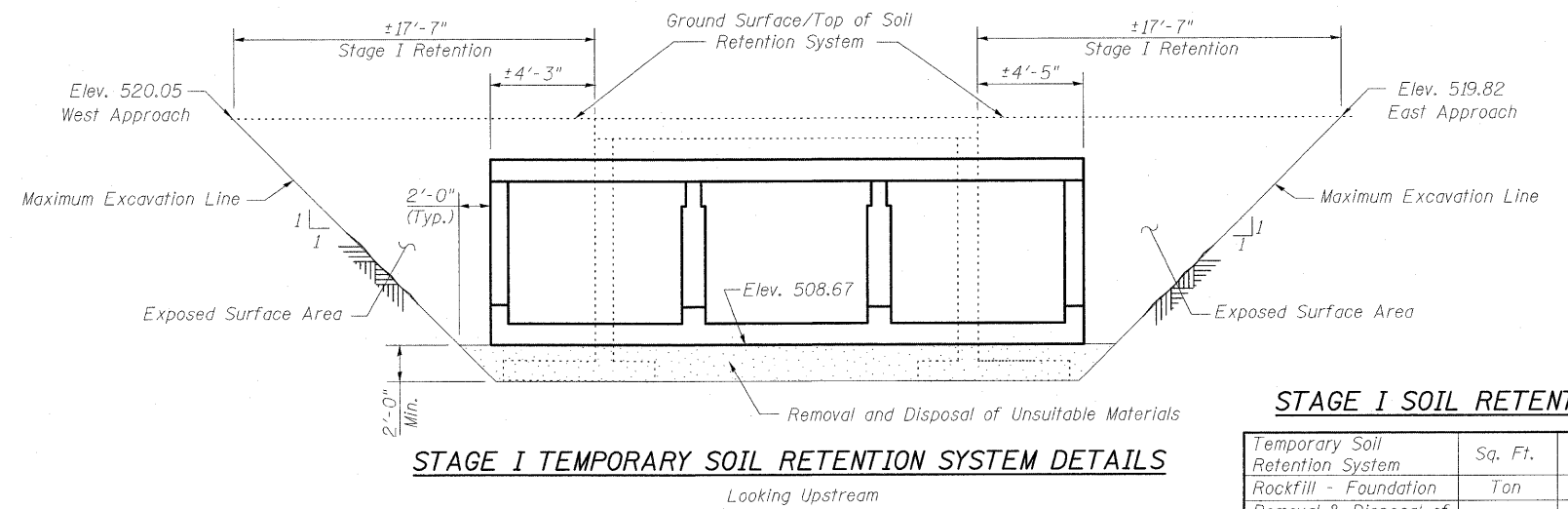
BERNARDIN  
LOCHMUELLER &  
ASSOCIATES, INC.  
3 Oak Drive  
Maryville, IL 62442-5685  
Local (618) 288-4685  
Fax 618-288-4666

SHEET NO. 1 9 SHEETS	F.A.P. RTE. 327	SECTION 15B-1	COUNTY MARION	TOTAL SHEETS 56	SHEET NO. 33
	SN 061-2026		CONTRACT NO. 76A59		
FED. ROAD DIST. NO. 8 ILLINOIS FED. AID PROJECT 327					

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

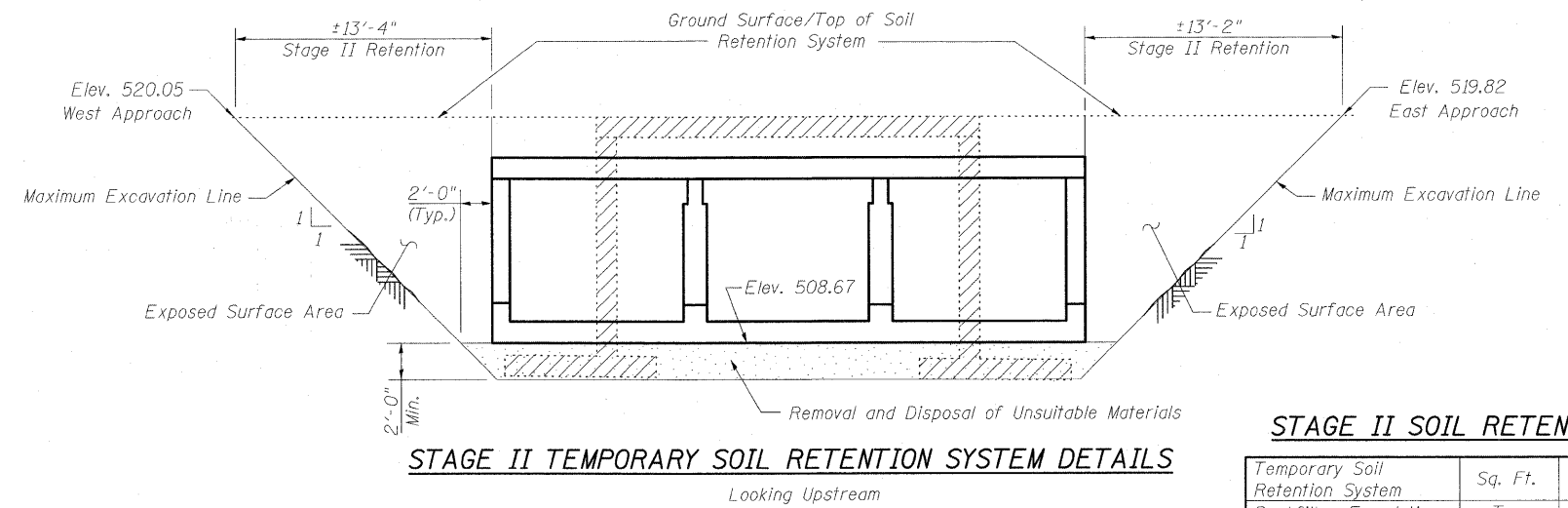


DESIGNED	A.C.S.
CHECKED	B.B.
DRAWN	W.J.S.
CHECKED	C.J.F.



STAGE I SOIL RETENTION

Temporary Soil Retention System	Sq. Ft.	291.1
Rockfill - Foundation	Ton	110.3
Removal & Disposal of Unsuitable Materials	Cu. Yd.	81.7
Biaxial Geogrid	Sq. Yd.	128



STAGE II SOIL RETENTION

Temporary Soil Retention System	Sq. Ft.	176.1
Rockfill - Foundation	Ton	79.5
Removal & Disposal of Unsuitable Materials	Cu. Yd.	58.9
Biaxial Geogrid	Sq. Yd.	93

Notes:  
All sections shown are looking East.  
Hatched areas indicate Removal of Existing Structure.  
Only the deck and wingwalls of existing structure are shown for clarity.  
A cantilevered sheet piling design does not appear feasible and additional members or other retention systems may be necessary. The Contractor shall submit a Temporary Soil Retention System design including plan details and calculations for review and acceptance by the Engineer.

STAGE CONSTRUCTION DETAILS  
U.S. 50 OVER LACKEY CREEK  
STRUCTURE NO. 061-2026

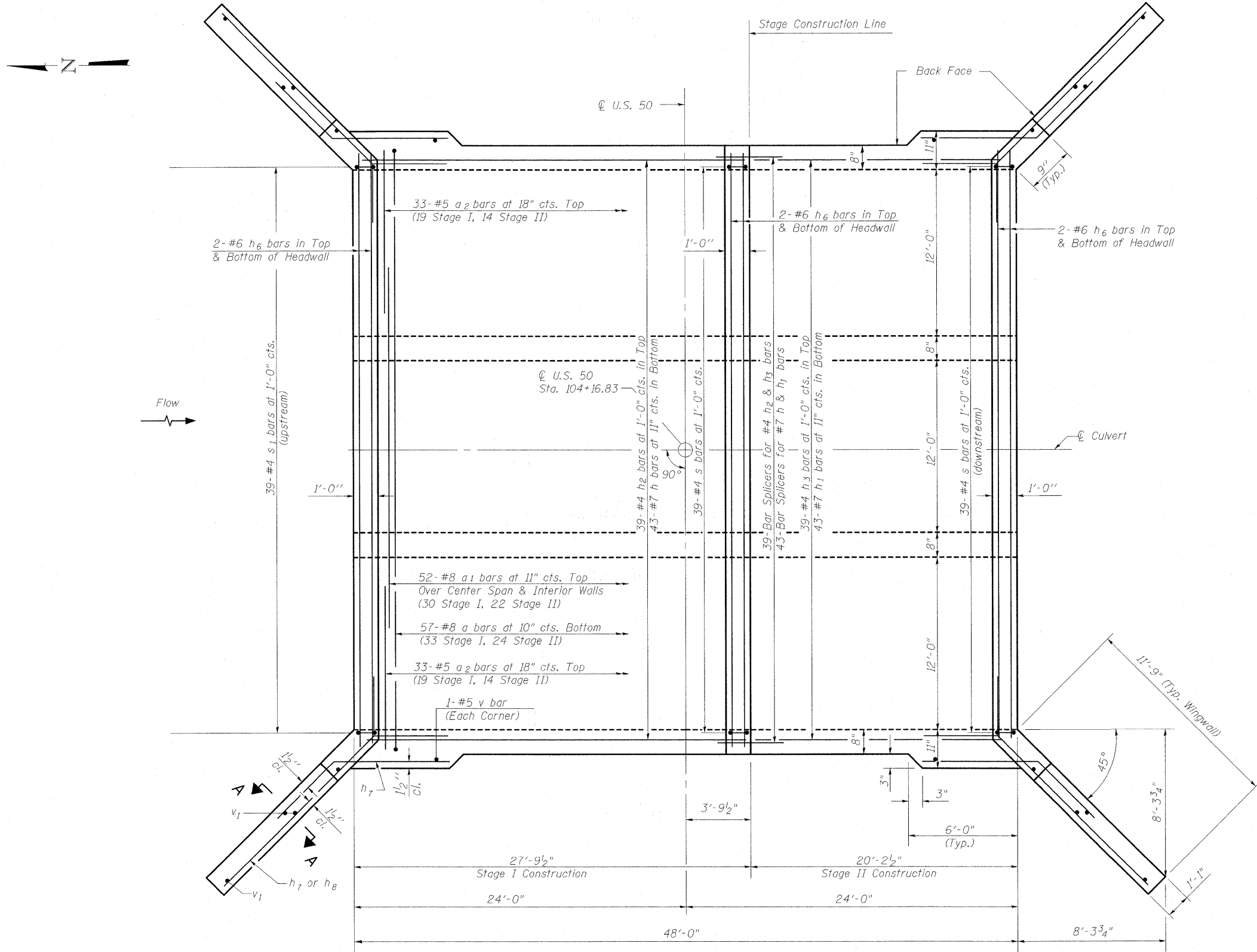


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3 Oak Drive  
Maryville, IL 62052-5655  
Local: 618-288-4965  
Fax: 618-288-4666

SHEET NO. 2 9 SHEETS	F.A.P. RTE. 327	SECTION 15B-1	COUNTY MARION	TOTAL SHEETS 58	SHEET NO. 34
	SN 061-2026		CONTRACT NO. 76A59		
FED. ROAD DIST. NO. 8 ILLINOIS FED. AID PROJECT 327					

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION



Notes:  
For details of bar splicers, see sheet 6 of 9.  
For Section A-A and Bill of Material, see sheet 5 of 9.

**CULVERT DETAILS - TOP SLAB**  
**U.S. 50 OVER LACKEY CREEK**  
**STRUCTURE NO. 061-2026**

TOP SLAB PLAN

DESIGNED	A.C.S.
CHECKED	B.B.
DRAWN	W.J.S.
CHECKED	C.J.F.

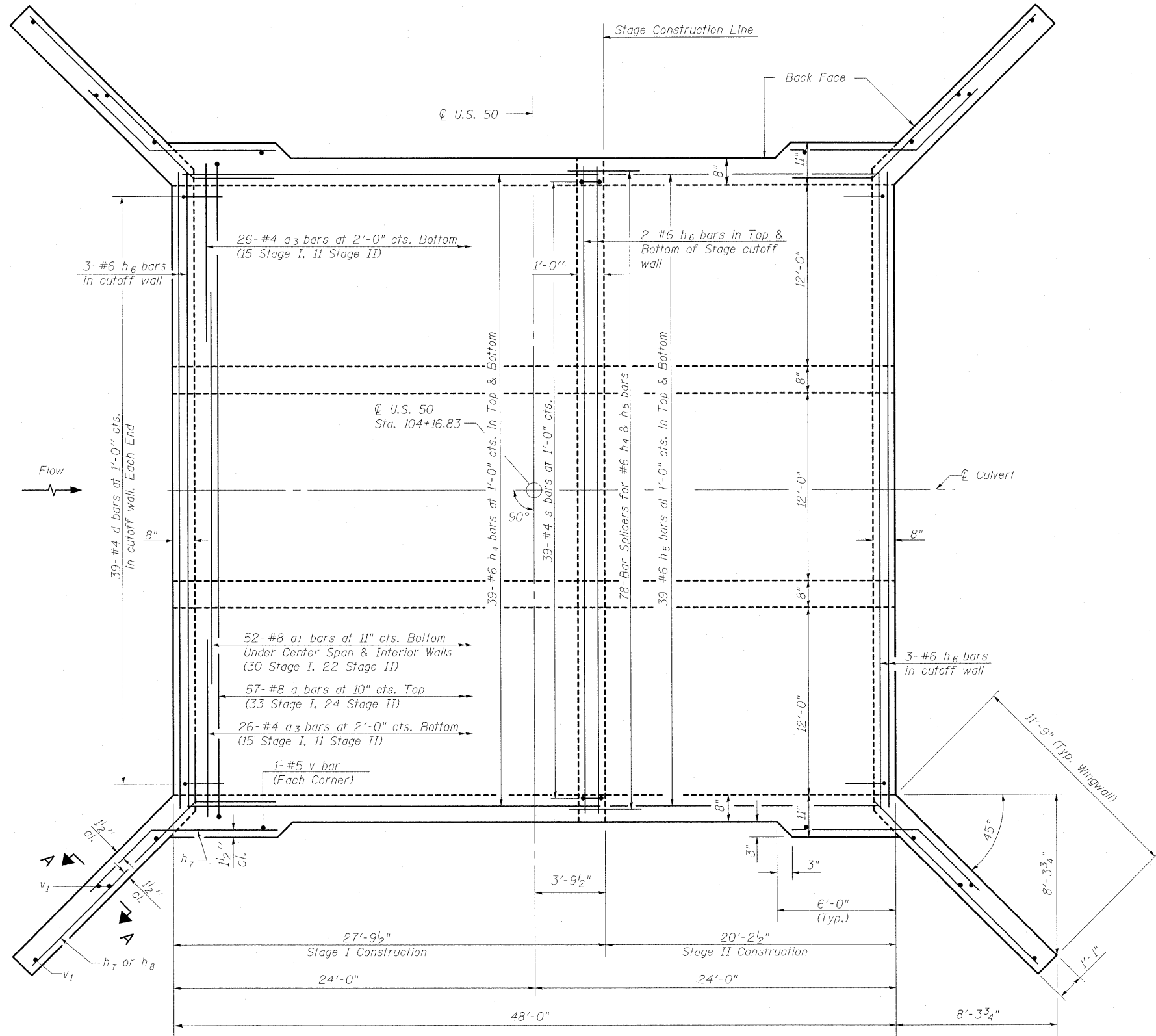


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3 Oak Drive  
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Fax 618-288-4666

SHEET NO. 3 9 SHEETS	F.A.P. RTE. 327	SECTION 15B-1	COUNTY MARION	TOTAL SHEETS 58	SHEET NO. 35
	SN 061-2026		CONTRACT NO. 76A59		
FED. ROAD DIST. NO. 8 ILLINOIS FED. AID PROJECT 327					

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION



**BOTTOM SLAB PLAN**

Notes:  
For details of bar splicers, see sheet 6 of 9.  
For Section A-A and Bill of Material, see sheet 5 of 9.

**CULVERT DETAILS - BOTTOM SLAB**  
**U.S. 50 OVER LACKEY CREEK**  
**STRUCTURE NO. 061-2026**

DESIGNED	A.C.S.
CHECKED	B.B.
DRAWN	W.J.S.
CHECKED	C.J.F.



**BERNARDIN  
LOCHMUELLER &  
ASSOCIATES, INC.**

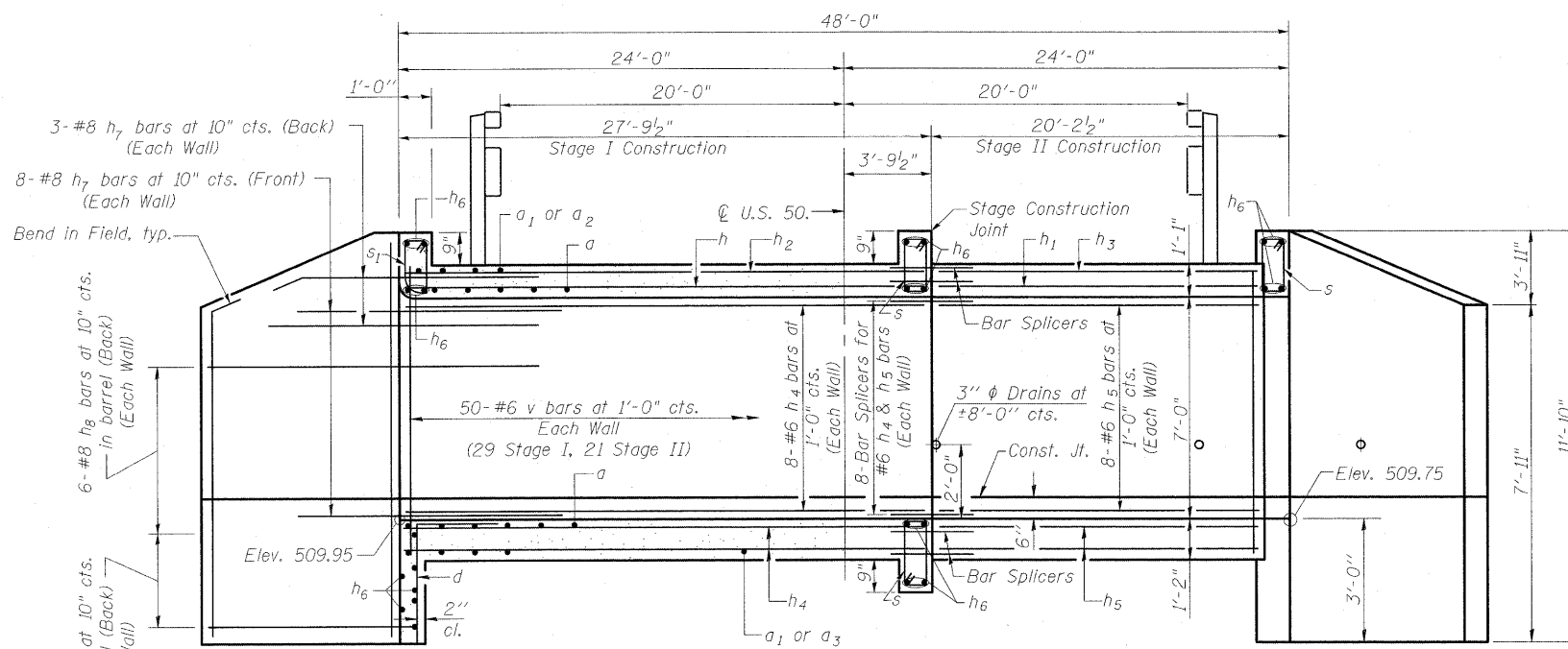
3 Oak Drive  
Maryville, IL 62052-5655  
Local (618) 288-4655  
Fax 618-288-4666

SHEET NO. 4 9 SHEETS	F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	327	15B-1	MARION	58	36
SN 061-2026			CONTRACT NO. 76A59		
FED. ROAD DIST. NO. 8 ILLINOIS FED. AID PROJECT 327					

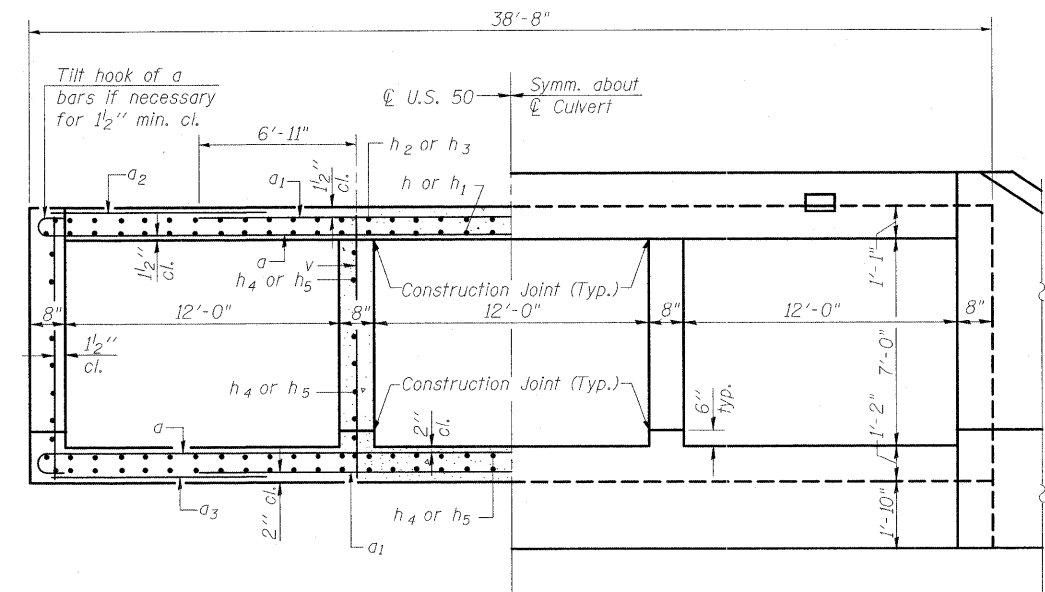
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STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

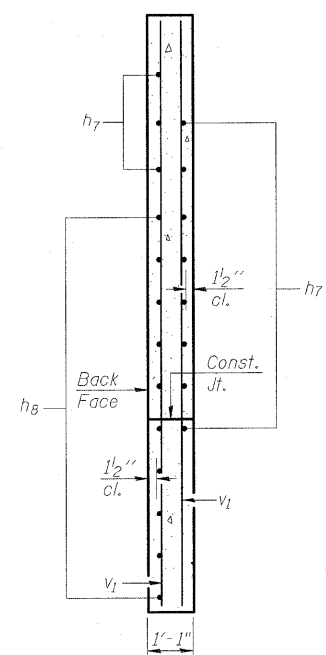


**ELEVATION**  
(Looking East)

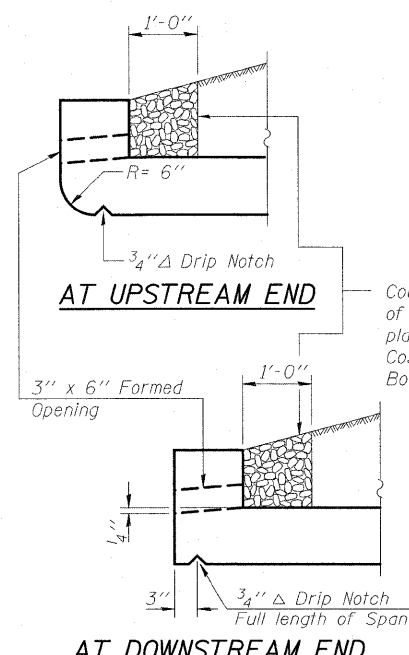


**HALF SECTION  
THRU BARREL**

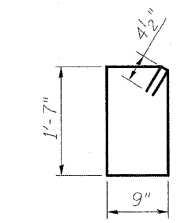
**HALF END ELEVATION**



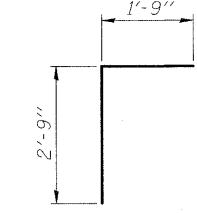
**SECTION A-A**



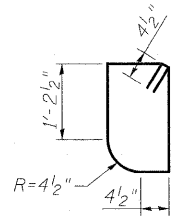
**DRAIN DETAIL**



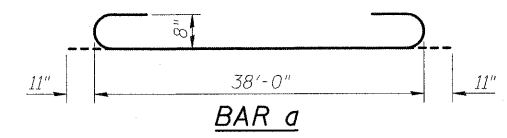
**BAR s**



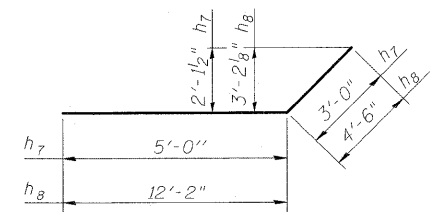
**BAR d**



**BAR s1**



**BAR a**



**BARS h7 & h8**

**BILL OF MATERIAL**

Bar	No.	Size	Length	Shape
a	114	#8	40'-2"	U
a1	104	#8	26'-6"	—
a2	66	#5	9'-11"	—
a3	52	#4	9'-11"	—
d	80	#4	4'-6"	L
h	43	#7	27'-6"	—
h1	43	#7	19'-11"	—
h2	39	#4	27'-6"	—
h3	39	#4	19'-11"	—
h4	110	#6	27'-6"	—
h5	110	#6	19'-11"	—
h6	22	#6	38'-5"	—
h7	44	#8	8'-0"	L
h8	40	#8	16'-8"	L
s	120	#4	5'-5"	□
s1	40	#4	5'-3"	□
v	204	#6	8'-11"	—
v1	16	#4	11'-7"	—
Concrete Box Culverts			Cu. Yd.	215.1
Reinforcement Bars			Pound	41510

**CULVERT DETAILS  
U.S. 50 OVER LACKEY CREEK  
STRUCTURE NO. 061-2026**

DESIGNED	A.C.S.
CHECKED	B.B.
DRAWN	W.J.S.
CHECKED	C.J.F.

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.



**BERNARDIN  
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3 Oak Drive  
Maryville, IL 62052-5655  
Local: 618-338-4665  
Fax: 618-288-4666

SHEET NO. 5 9 SHEETS	F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	327	15B-1	MARION	58	37
SN 061-2026			CONTRACT NO. 76A59		
FED. ROAD DIST. NO. 8 ILLINOIS FED. AID PROJECT 327					

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STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

NOTES

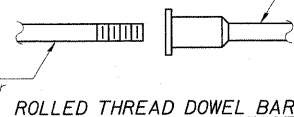
Bar splicer assemblies shall be of an approved type and shall develop in tension at least 125 percent of the yield strength of the lapped reinforcement bars.  
Splicer rods shall be of minimum 60 ksi yield strength, threaded or coiled full length.  
All reinforcement bars shall be lapped and tied to the splicer rods or dowel bars.  
Bar splicer assemblies shall be epoxy coated according to the requirements for reinforcement bars.  
Other systems of similar design may be submitted to the Engineer for approval. Approval shall be based on certified test results from an approved testing laboratory that the proposed bar splicer assembly satisfies the following requirements:

- ① Minimum Capacity =  $1.25 \times f_y \times A_t$   
(Tension in kips)
  - ② Minimum \*Pull-out Strength =  $0.66 \times f_y \times A_t$   
(Tension in kips)
- Where  $f_y$  = Yield strength of lapped reinforcement bars in ksi.  
 $A_t$  = Tensile stress area of lapped reinforcement bars.  
\* = 28 day concrete

BAR SPLICER ASSEMBLIES			
Bar Size to be Spliced	Splicer Rod or Dowel Bar Length	Strength Requirements	
		Min. Capacity kips - tension	Min. Pull-Out Strength kips - tension
#4	1'-8"	14.7	7.9
#5	2'-2"	23.0	12.3
#6	2'-7"	33.1	17.4
#7	3'-5"	45.1	23.8
#8	4'-6"	58.9	31.3
#9	5'-9"	75.0	39.6
#10	7'-3"	95.0	50.3
#11	9'-0"	117.4	61.8

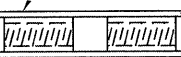
The diameter of this part is equal or larger than the diameter of bar spliced.

The diameter of this part is the same as the diameter of the bar spliced.



\*\* ONE PIECE

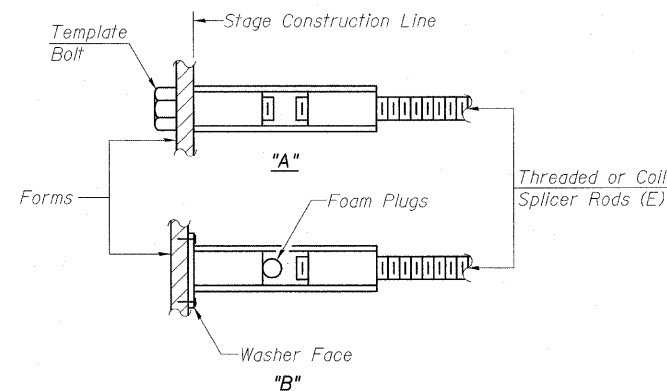
Wire Connector



WELDED SECTIONS

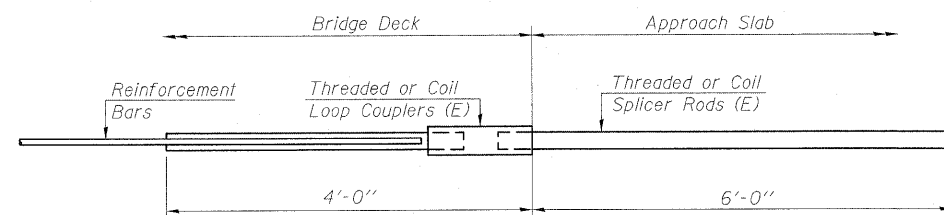
BAR SPLICER ASSEMBLY ALTERNATIVES

\*\*Heavy Hex Nuts conforming to ASTM A 563, Grade C, D or DH may be used.

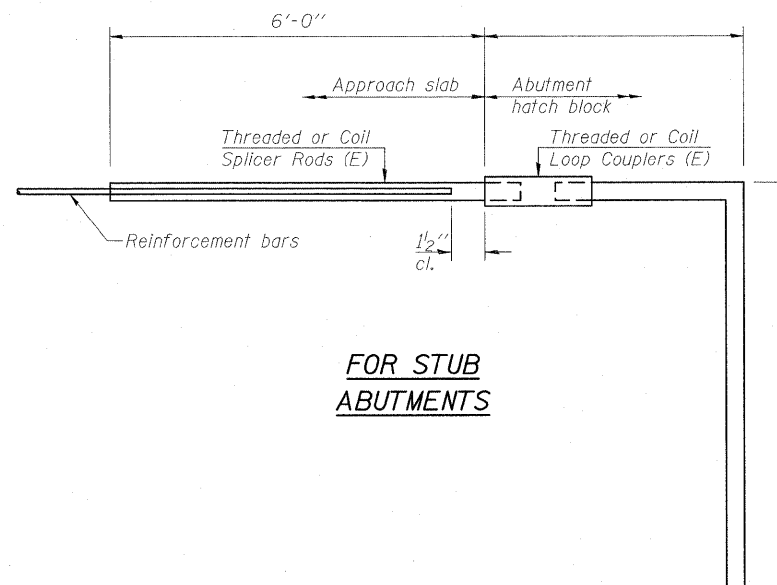


INSTALLATION AND SETTING METHODS

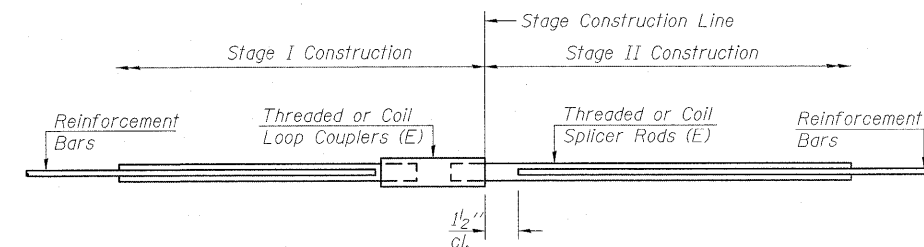
"A" : Set bar splicer assembly by means of a template bolt.  
"B" : Set bar splicer assembly by nailing to wood forms or cementing to steel forms.  
(E) : Indicates epoxy coating.



FOR INTEGRAL OR SEMI-INTEGRAL ABUTMENTS



FOR STUB ABUTMENTS



STANDARD

Bar Size	No. Assemblies Required	Location
#4	39	Top Slab
#6	110	Bottom Slab, Side & Interior Walls
#7	43	Top Slab

Bar Splicer for #5 bar	
Min. Capacity = 23.0 kips - tension	
Min. Pull-out Strength = 12.3 kips - tension	
No. Required =	

Bar Splicer for #5 bar	
Min. Capacity = 23.0 kips - tension	
Min. Pull-out Strength = 12.3 kips - tension	
No. Required =	

DESIGNED	
CHECKED	
DRAWN	W.J.S.
CHECKED	C.J.F.

BSD-1

10-1-08



BERNARDIN  
LOCHMUELLER &  
ASSOCIATES, INC.

3 Oak Drive  
Mareville, IL 62062-9685  
Local (618) 298-4655  
Fax 618-298-4666

SHEET NO. 6	F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	327	15B-1	MARION	58	38
9 SHEETS	SN 061-2026		CONTRACT NO. 76A59		
FED. ROAD DIST. NO. 8 ILLINOIS FED. AID PROJECT 327					

BAR SPLICER ASSEMBLY DETAILS  
U.S. 50 OVER LACKEY CREEK  
STRUCTURE NO. 061-2026

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

**Illinois Department of Transportation**  
Division of Highways  
Illinois Department of Transportation

**SOIL BORING LOG**

Page 1 of 2  
Date 06/03/08

ROUTE FAP 327 DESCRIPTION Structure Replacement - US 50 over Lackey Creek LOGGED BY SCI

SECTION 15B-1 LOCATION ~0.2 mile E of Union (MO) Pacific RR; SW 14, SEC. 12, TWP. 2N, RNG. 2E

COUNTY Marion DRILLING METHOD CME 55 wHSA HAMMER TYPE Automatic

STRUCT. NO. 061-0036 (Existing) Station 1251+66

BORING NO. B-1 Station 1251+43 Offset 13 ft Rt Ground Surface Elev. 519.8 ft

DEPTH (ft)	LOG DESCRIPTION	U C S	M O I S T	DEPTH (ft)	LOG DESCRIPTION	U C S	M O I S T
0	ASPHALT - 12 inches			0	Surface Water Elev. <u>511.5</u> ft		
1	FILL: Brown, low plastic sandy clay (A-6)	1	13	1	Stream Bed Elev. <u>510.5</u> ft		
2		0.5		2	Groundwater Elev.: First Encounter <u>503.8</u> ft		
3	(No recovery - grab sample of auger cuttings obtained and PP test performed on disturbed sample)	P		3	Upon Completion <u>510.1</u> ft		
4	FILL: Brown, low plastic silty clay, some sand (A-6)	2	19	4	After - Hrs. -		
5	Becomes brown and greenish gray	B		5	SANDY CLAY: Gray and brown, low plastic (A-4) (continued)		
6		0.3	18	6			
7	SILTY CLAY: Gray and brown, low plastic (A-6)	2	22	7	SAND: Brown, fine to coarse (A-3)		
8	Becomes brown and grayish brown	B		8	Cobble/boulder encountered during drilling from 22.5 to 23.5 feet.		
9		0.6		9	CLAY: Brown, high plastic, some sand, trace gravel (A-7)		
10	CLAY: Brown, high plastic, some sand (A-7)	2	20	10			
11		0.3		11			
12		B		12			
13		0.5	22	13			
14		B		14			
15		0.3	18	15			
16		B		16			
17		0.5	22	17			
18		B		18			
19		0.3	20	19			
20		B		20			
21		0.5	22	21			
22		B		22			
23		0.3	20	23			
24		B		24			
25		0.5	22	25			
26		B		26			
27		0.3	20	27			
28		B		28			
29		0.5	22	29			
30		B		30			
31		0.3	20	31			
32		B		32			
33		0.5	22	33			
34		B		34			
35		0.3	20	35			
36		B		36			
37		0.5	22	37			
38		B		38			
39		0.3	20	39			
40		B		40			

The Unconfined Compressive Strength (UCS) Failure Mode is indicated by (B-Bulge, S-Shear, P-Penetrometer)  
AASHTO Classifications are based on visual classifications unless otherwise noted BBS, form 137 (Rev. 8-99)

**Illinois Department of Transportation**  
Division of Highways  
Illinois Department of Transportation

**SOIL BORING LOG**

Page 2 of 2  
Date 06/03/08

ROUTE FAP 327 DESCRIPTION Structure Replacement - US 50 over Lackey Creek LOGGED BY SCI

SECTION 15B-1 LOCATION ~0.2 mile E of Union (MO) Pacific RR; SW 14, SEC. 12, TWP. 2N, RNG. 2E

COUNTY Marion DRILLING METHOD CME 55 wHSA HAMMER TYPE Automatic

STRUCT. NO. 061-0036 (Existing) Station 1251+66

BORING NO. B-1 Station 1251+43 Offset 13 ft Rt Ground Surface Elev. 519.8 ft

DEPTH (ft)	LOG DESCRIPTION	U C S	M O I S T	DEPTH (ft)	LOG DESCRIPTION	U C S	M O I S T
0	CLAY: Brown, high plastic, trace sand, tree limb (A-7) (continued)			0	Surface Water Elev. <u>511.5</u> ft		
1		1	25	1	Stream Bed Elev. <u>510.5</u> ft		
2		0.9		2	Groundwater Elev.: First Encounter <u>503.8</u> ft		
3		S/45		3	Upon Completion <u>510.1</u> ft		
4		B		4	After - Hrs. -		
5		0.8	21	5	SANDY CLAY: Gray and brown, low plastic (A-4) (continued)		
6		B		6			
7		0.8	21	7	SAND: Brown, fine to coarse (A-3)		
8		B		8	Cobble/boulder encountered during drilling from 22.5 to 23.5 feet.		
9		0.8	21	9	CLAY: Brown, high plastic, some sand, trace gravel (A-7)		
10		B		10			
11		0.8	21	11			
12		B		12			
13		0.8	21	13			
14		B		14			
15		0.8	21	15			
16		B		16			
17		0.8	21	17			
18		B		18			
19		0.8	21	19			
20		B		20			
21		0.8	21	21			
22		B		22			
23		0.8	21	23			
24		B		24			
25		0.8	21	25			
26		B		26			
27		0.8	21	27			
28		B		28			
29		0.8	21	29			
30		B		30			
31		0.8	21	31			
32		B		32			
33		0.8	21	33			
34		B		34			
35		0.8	21	35			
36		B		36			
37		0.8	21	37			
38		B		38			
39		0.8	21	39			
40		B		40			

Boring terminated at 60 feet.  
The Unconfined Compressive Strength (UCS) Failure Mode is indicated by (B-Bulge, S-Shear, P-Penetrometer)  
AASHTO Classifications are based on visual classifications unless otherwise noted BBS, form 137 (Rev. 8-99)

DESIGNED
CHECKED
DRAWN <u>W.J.S.</u>
CHECKED <u>C.J.F.</u>

**SOIL BORINGS**  
**STRUCTURE NUMBER 061-2026**



3 Oak Drive  
Maryville, IL 62442-5635  
Local (618) 288-4665  
Fax 618-288-4666

SHEET NO. 7	F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	327	15B-1	MARION	58	39
9 SHEETS	SN 061-2026		CONTRACT NO. 76A59		
FED. ROAD DIST. NO. 8   ILLINOIS   FED. AID PROJECT 327					

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

**Illinois Department of Transportation**  
Division of Highways  
Illinois Department of Transportation

**SOIL BORING LOG** Page 1 of 2  
Date 6/3/2008

ROUTE FAP 327 DESCRIPTION Structure Replacement - US 50 over Lackey Creek LOGGED BY SCI

SECTION 15B-1 LOCATION ~0.2 mile E of Union (MO) Pacific RR; SW 14, SEC. 12, TWP. 2N, RNG. 2E

COUNTY Marion DRILLING METHOD CME 55 wHSA HAMMER TYPE Automatic

STRUCT. NO. 061-0036 (Existing)  
Station 1251+66

BORING NO. B-2  
Station 1251+88  
Offset 14 ft Lt  
Ground Surface Elev. 519.7 ft (ft) (6") (tsf) (%)

DEPTH (ft)	DESCRIPTION	U	M	DEPTH (ft)	U	M
0	ASPHALT - 12 inches			0		
518.7				499.2		
2	FILL: Brown, low plastic sandy clay (A-6)	2	17	2	2.1	14
516.7	(No recovery - grab sample of auger cuttings obtained)			5	B	
0	FILL: Brown and grayish brown, low plastic silty clay, some sand (A-7) and Brown, low plastic sandy clay (A-7)	2	20	4	4.3	13
514.2		3	B	5	B	
0	FILL: Grayish brown and brown, high plastic clay, some sand (A-7)	1	28	6	2.3	13
1		B		11		
0	Grades to trace sand	0	27	5	2.7	14
508.2		0		7	B	
507.7	FILL: Crushed rock and sand	6	18	12		
506.7	FILL: Brown, low plastic sandy clay (A-4)	5		3	1.9	19
0	SANDY CLAY: Gray and brown, low plastic (A-6)	0	20	6	B	
1		1	P	7		
0	Becomes gray	0	22	3		
1	Sand content increases	1		6	1.9	19
3		3	B	7	B	
501.7						
501.0	SAND: Brown, fine to medium (A-3)	3	21	2	1.2	20
2		2		3	B	
3		3		4		
20		20		4	B	

Surface Water Elev. 511.5 ft  
Stream Bed Elev. 510.5 ft  
Groundwater Elev.:  
First Encounter 508.7 ft  
Upon Completion 508.2 ft  
After 24 Hrs.

SILTY CLAY: Gray and brown, low plastic, some sand (A-6) (continued)  
SAND: Brown, fine to medium with clay lumps (A-2)  
CLAY: Brown, high plastic, some sand, trace gravel (A-7)  
End of drilling on 6/3. 24-hr groundwater level measured on 6/4 prior to drilling.  
Sand content decreases

The Unconfined Compressive Strength (UCS) Failure Mode is indicated by (B-Bulge, S-Shear, P-Penetrometer)  
AASHTO Classifications are based on visual classifications unless otherwise noted BBS, form 137 (Rev. 8-99)

**Illinois Department of Transportation**  
Division of Highways  
Illinois Department of Transportation

**SOIL BORING LOG** Page 2 of 2  
Date 6/3/2008

ROUTE FAP 327 DESCRIPTION Structure Replacement - US 50 over Lackey Creek LOGGED BY SCI

SECTION 15B-1 LOCATION ~0.2 mile E of Union (MO) Pacific RR; SW 14, SEC. 12, TWP. 2N, RNG. 2E

COUNTY Marion DRILLING METHOD CME 55 wHSA HAMMER TYPE Automatic

STRUCT. NO. 061-0036 (Existing)  
Station 1251+66

BORING NO. B-2  
Station 1251+88  
Offset 14 ft Lt  
Ground Surface Elev. 519.7 ft (ft) (6") (tsf) (%)

DEPTH (ft)	DESCRIPTION	U	M	DEPTH (ft)	U	M
478.7	SILTY CLAY: Dark brown, some organics, sand (A-6)			1	0.7	62
475.2		2	B	2	1.4	20
467.7	CLAY: Brown, high plastic, some sand, trace gravel (A-7)	1	19	3	1.0	19
1		4	22	4	1.7	22
2		6		6	1.2	20
3		3		8		
4		4				
8		8				

Surface Water Elev. 511.5 ft  
Stream Bed Elev. 510.5 ft  
Groundwater Elev.:  
First Encounter 508.7 ft  
Upon Completion 508.2 ft  
After 24 Hrs.

CLAY: Brown, high plastic, some sand, trace gravel (A-7) (continued)  
CLAY: Brown, high plastic, trace sand (A-7)  
Becomes bluish gray  
CLAY: Brown, high plastic, some sand, trace gravel (A-7)  
Boring terminated at 80 feet.

The Unconfined Compressive Strength (UCS) Failure Mode is indicated by (B-Bulge, S-Shear, P-Penetrometer)  
AASHTO Classifications are based on visual classifications unless otherwise noted BBS, form 137 (Rev. 8-99)

DESIGNED	
CHECKED	
DRAWN	W.J.S.
CHECKED	C.J.F.

SOIL BORINGS  
STRUCTURE NUMBER 061-2026



**BERNARDIN  
LOCHMUELLER &  
ASSOCIATES, INC.**

3 Oak Drive  
Maryville, IL 62062-5635  
Local (618) 288-4665  
Fax 618-288-4666

SHEET NO. 8 9 SHEETS	F.A.P. RTE. 327	SECTION 15B-1	COUNTY MARION	TOTAL SHEETS 58	SHEET NO. 40
	SN 061-2026		CONTRACT NO. 76A59		
FED. ROAD DIST. NO. 8 ILLINOIS FED. AID PROJECT 327					

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

**Illinois Department of Transportation**  
Division of Highways  
Illinois Department of Transportation

**SOIL BORING LOG**

Page 1 of 2  
Date 06/01/09

ROUTE FAP 327 DESCRIPTION Structure Replacement - US 50 over Lackey Creek LOGGED BY SCI

SECTION 15B-1 LOCATION ~0.2 mile E of Union (MO) Pacific RR; SW 14, SEC. 12, TWP. 2N, RNG. 2E

COUNTY Marion DRILLING METHOD CME 750 w/HSA HAMMER TYPE Automatic

STRUCT. NO. 061-0036 (Existing)  
Station 1251+66

BORING NO. B-101  
Station 1251+89  
Offset 56 ft Rt  
Ground Surface Elev. 513.9 ft

DEPTH (ft)	SOIL TYPE	U (tsf)	M (%)	DEPTH (ft)	SOIL TYPE	U (tsf)	M (%)
0	Surface Water Elev. 511.0 ft			0	Surface Water Elev. 511.0 ft		
0	Stream Bed Elev. 510.6 ft			0	Stream Bed Elev. 510.6 ft		
0	Groundwater Elev.: First Encounter 503.9 ft			0	Groundwater Elev.: First Encounter 503.9 ft		
0	Upon Completion - ft			0	Upon Completion - ft		
0	After - Hrs. - ft			0	After - Hrs. - ft		
1	SANDY CLAY: Brown, low plastic, trace organics (A-6)	0.6	25	1	CLAY: Gray and brown, high plastic, some sand, trace fine gravel (A-7) (continued)	3	15
2				2		6	11
3	Poor recovery		24	3		4	14
4				4		6	11
5				5		11	11
6	Becomes gray and brown		19	6		3	16
7				7		6	9
8				8		9	9
9				9		3	18
10				10		6	9
11				11		9	9
12		0.9	18	12	SAND content appears to decrease	3	18
13				13		6	9
14				14		9	9
15				15		3	26
16				16		6	3
17				17		9	3
18				18		3	15
19				19		7	15
20				20		15	15
21				21		1	23
22				22		3	15
23				23		7	15
24				24		10	15
25				25		17	15
26				26		3	23
27				27		15	15
28				28		15	15
29				29		15	15
30				30		15	15

CLAY: Gray and brown, high plastic, some sand, trace fine gravel (A-7)

Becomes grayish brown

CLAY: Gray, high plastic, trace to some sand, trace fine gravel (A-7)

CLAYEY SILT: Grayish brown, low plastic, some sand (A-4)

SILTY CLAY: Brown, low plastic (A-6)

CLAY: Gray, high plastic, trace to some sand, trace fine gravel (A-7)

CLAY: Grayish brown, high

The Unconfined Compressive Strength (UCS) Failure Mode is indicated by (B-Bulge, S-Shear, P-Penetrometer)  
AASHTO Classifications are based on visual classifications unless otherwise noted BBS, form 137 (Rev. 8-99)

**Illinois Department of Transportation**  
Division of Highways  
Illinois Department of Transportation

**SOIL BORING LOG**

Page 2 of 2  
Date 06/01/09

ROUTE FAP 327 DESCRIPTION Structure Replacement - US 50 over Lackey Creek LOGGED BY SCI

SECTION 15B-1 LOCATION ~0.2 mile E of Union (MO) Pacific RR; SW 14, SEC. 12, TWP. 2N, RNG. 2E

COUNTY Marion DRILLING METHOD CME 750 w/HSA HAMMER TYPE Automatic

STRUCT. NO. 061-0036 (Existing)  
Station 1251+66

BORING NO. B-101  
Station 1251+89  
Offset 56 ft Rt  
Ground Surface Elev. 513.9 ft

DEPTH (ft)	SOIL TYPE	U (tsf)	M (%)	DEPTH (ft)	SOIL TYPE	U (tsf)	M (%)
0	Surface Water Elev. 511.0 ft			0	Surface Water Elev. 511.0 ft		
0	Stream Bed Elev. 510.6 ft			0	Stream Bed Elev. 510.6 ft		
0	Groundwater Elev.: First Encounter 503.9 ft			0	Groundwater Elev.: First Encounter 503.9 ft		
0	Upon Completion - ft			0	Upon Completion - ft		
0	After - Hrs. - ft			0	After - Hrs. - ft		
1	CLAY: Gray, high plastic, trace to some sand, trace fine gravel (A-7) (continued)			1	plastic, some sand, trace fine gravel (A-7)		
2				2	Boring terminated at 60 feet.		
3				3			
4				4			
5				5			
6				6			
7				7			
8				8			
9				9			
10				10			
11				11			
12				12			
13				13			
14				14			
15				15			
16				16			
17				17			
18				18			
19				19			
20				20			
21				21			
22				22			
23				23			
24				24			
25				25			
26				26			
27				27			
28				28			
29				29			
30				30			

CLAY: Gray, high plastic, trace to some sand, trace fine gravel (A-7)

Becomes grayish brown, some sand

CLAYEY SILT: Grayish brown, low plastic, some sand (A-4)

CLAY: Grayish brown, high

The Unconfined Compressive Strength (UCS) Failure Mode is indicated by (B-Bulge, S-Shear, P-Penetrometer)  
AASHTO Classifications are based on visual classifications unless otherwise noted BBS, form 137 (Rev. 8-99)

DESIGNED
CHECKED
DRAWN W.J.S.
CHECKED C.J.F.

SOIL BORINGS  
STRUCTURE NUMBER 061-2026



**BERNARDIN  
LOCHMUELLER &  
ASSOCIATES, INC.**

3 Oak Drive  
Mareville, IL 62962-2635  
Local (618) 288-4665  
Fax 618-288-4666

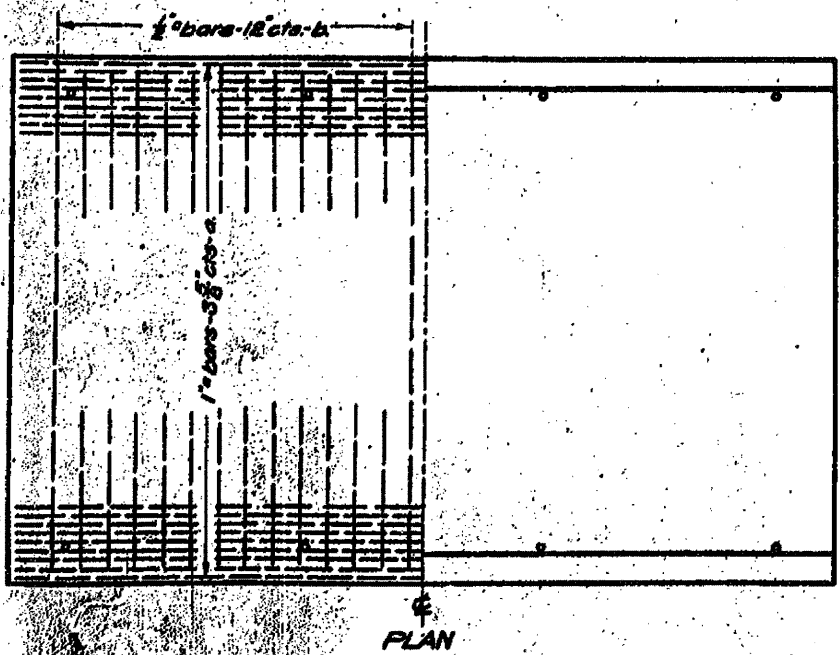
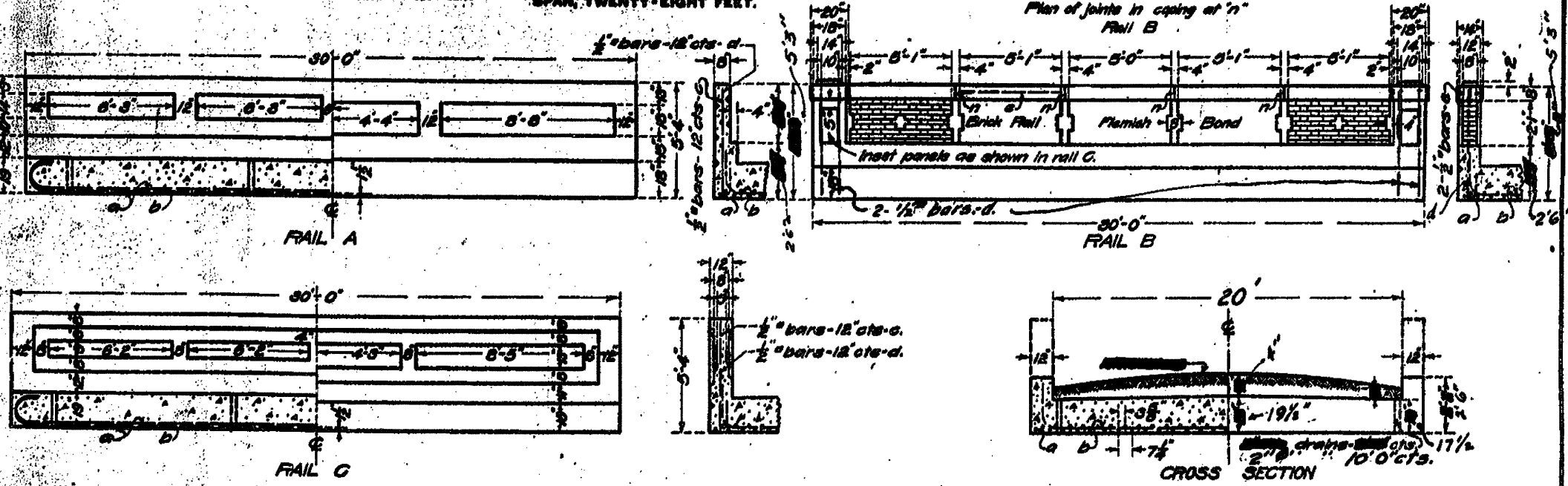
SHEET NO. 9 9 SHEETS	F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	327	15B-1	MARION	58	41
SN 061-2026		CONTRACT NO. 76A59			
FED. ROAD DIST. NO. 8 ILLINOIS FED. AID PROJECT 327					



BOND ISSUE ROUTE NO.	COUNTY	SEC.	TOTAL SHEETS	SHEET NO.
12	Marion	15B	42	41

STATE OF ILLINOIS  
STATE HIGHWAY DEPARTMENT  
**REINFORCED CONCRETE SLAB**  
SPAN, TWENTY-EIGHT FEET.

SHEET NO. 1  
2 sheets



**BILL OF MATERIAL**

	18 FT. ROADWAY	18 FT. ROADWAY	20 FT. ROADWAY	22 FT. ROADWAY	30 FT. ROADWAY
RAIL A	a 20 1" 32'-0"	a 20 1" 32'-0"	a 20 1" 32'-0"	a 20 1" 32'-0"	a 20 1" 32'-0"
	b 20 1/2" 20'-0"	b 20 1/2" 20'-0"	b 20 1/2" 20'-0"	b 20 1/2" 20'-0"	b 20 1/2" 20'-0"
	c 8 1/2" 20'-0"	c 8 1/2" 20'-0"	c 8 1/2" 20'-0"	c 8 1/2" 20'-0"	c 8 1/2" 20'-0"
	d 66 1/2" 5'-0"	d 66 1/2" 5'-0"	d 66 1/2" 5'-0"	d 66 1/2" 5'-0"	d 66 1/2" 5'-0"
Steel-Lbs.	7420	8120	8820	10420	12020
Concrete-Cu.Yds.	38.8	43.2	47.6	54.4	63.6
RAIL B	a 20 1" 32'-0"	a 20 1" 32'-0"	a 20 1" 32'-0"	a 20 1" 32'-0"	a 20 1" 32'-0"
	b 20 1/2" 20'-0"	b 20 1/2" 20'-0"	b 20 1/2" 20'-0"	b 20 1/2" 20'-0"	b 20 1/2" 20'-0"
	c 8 1/2" 20'-0"	c 8 1/2" 20'-0"	c 8 1/2" 20'-0"	c 8 1/2" 20'-0"	c 8 1/2" 20'-0"
	d 66 1/2" 5'-0"	d 66 1/2" 5'-0"	d 66 1/2" 5'-0"	d 66 1/2" 5'-0"	d 66 1/2" 5'-0"
Steel-Lbs.	7100	7800	8500	10120	11740
Concrete-Cu.Yds.	37.4	41.8	46.2	53.0	61.4
RAIL C	a 20 1" 32'-0"	a 20 1" 32'-0"	a 20 1" 32'-0"	a 20 1" 32'-0"	a 20 1" 32'-0"
	b 20 1/2" 20'-0"	b 20 1/2" 20'-0"	b 20 1/2" 20'-0"	b 20 1/2" 20'-0"	b 20 1/2" 20'-0"
	c 8 1/2" 20'-0"	c 8 1/2" 20'-0"	c 8 1/2" 20'-0"	c 8 1/2" 20'-0"	c 8 1/2" 20'-0"
	d 66 1/2" 5'-0"	d 66 1/2" 5'-0"	d 66 1/2" 5'-0"	d 66 1/2" 5'-0"	d 66 1/2" 5'-0"
Steel-Lbs.	7420	8120	8820	10420	12020
Concrete-Cu.Yds.	38.8	43.2	47.6	54.4	63.6

USE RAIL B 20 FOOT ROADWAY

Class A concrete to be used throughout  
Proportions 1 - 2 1/4 - 4

STA-1251+60  
STATE BOND ISSUE - ROUTE 12  
SECTION-15B-MARION COUNTY.

STAMP: [Professional Engineer Seal]

DESIGNED BY: [Signature]

CHECKED BY: [Signature]

DATE: 2/7/22

ENGINEER OF DESIGN

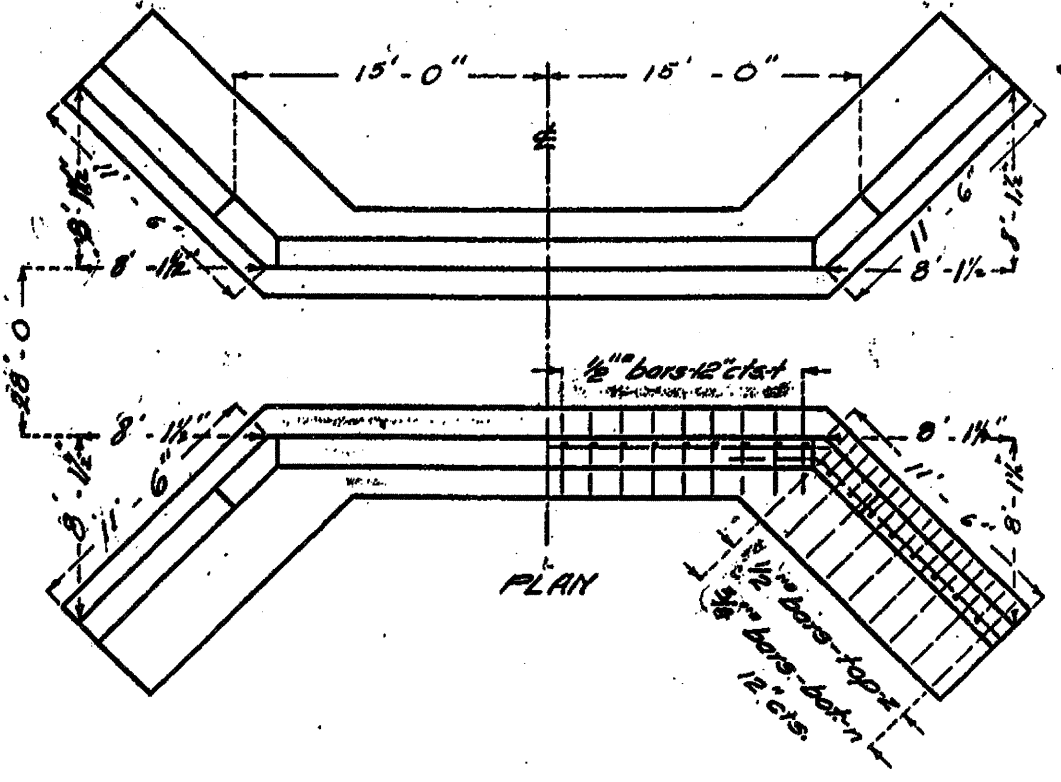
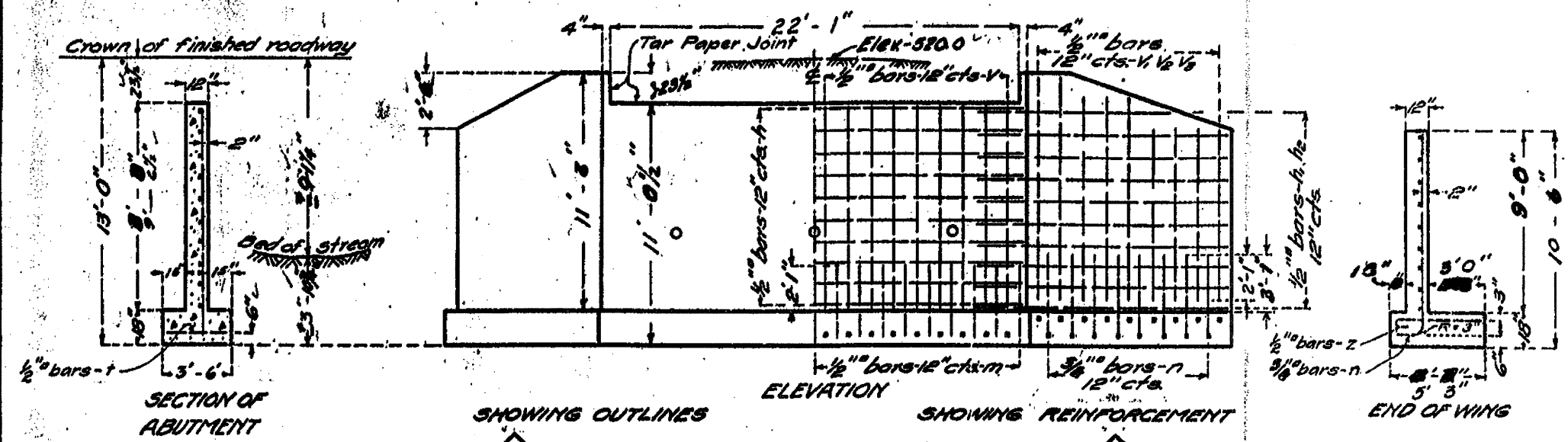
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#FILE#	#USER#	DRAWN	REVISED	SCALE:	SHEET NO. 1 OF 4 SHEETS	STA.	TO STA.	CONTRACT NO. T6A59	ILLINOIS FED. AID PROJECT	

B.M. SEE ROAD PLANS

STATE OF ILLINOIS  
STATE HIGHWAY DEPARTMENT  
R. C. ABUTMENTS FOR SLAB BRIDGE  
HEIGHT OVER ALL 13 FT.

BOND ISSUE ROUTE NO.	COUNTY	SEC.	TOTAL SHEETS	SHEET NO.
12	Marion	15 B	42	41

Sheet No. 2  
2 sheets



BILL OF MATERIAL

Bars	No.	Size	Length
V	46	1/2"	9'-3"
V	28	1/2"	10'-0"
1/2"	8	1/2"	9'-0"
1/2"	8	1/2"	8'-0"
h	20	1/2"	22'-6"
h	20	1/2"	13'-6"
m	46	1/2"	3'-0"
n	44	3/8"	6'-0"
z	46	1/2"	3'-3"
z	44	1/2"	8'-6"
Steel-Lbs.			2280
Concrete-Cu. Yds.			36.1

Class A concrete to be used throughout.  
Proportions 1:2 1/2:4

Sta-1251+66  
STATE BOND ISSUE - ROUTE 12  
SECTION - 15-B MARION COUNTY

STANDARD	DESIGNED	BY	DATE
SPECIAL	CHECKED	BY	DATE

APPROVED: *[Signature]* PASSED  
BRIDGE ENGINEER  
ENGINEER OF DESIGN

2/7/22

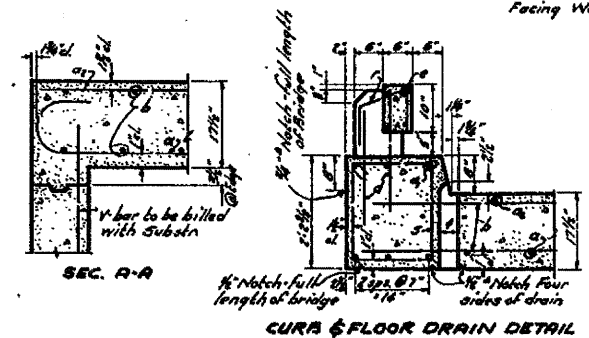
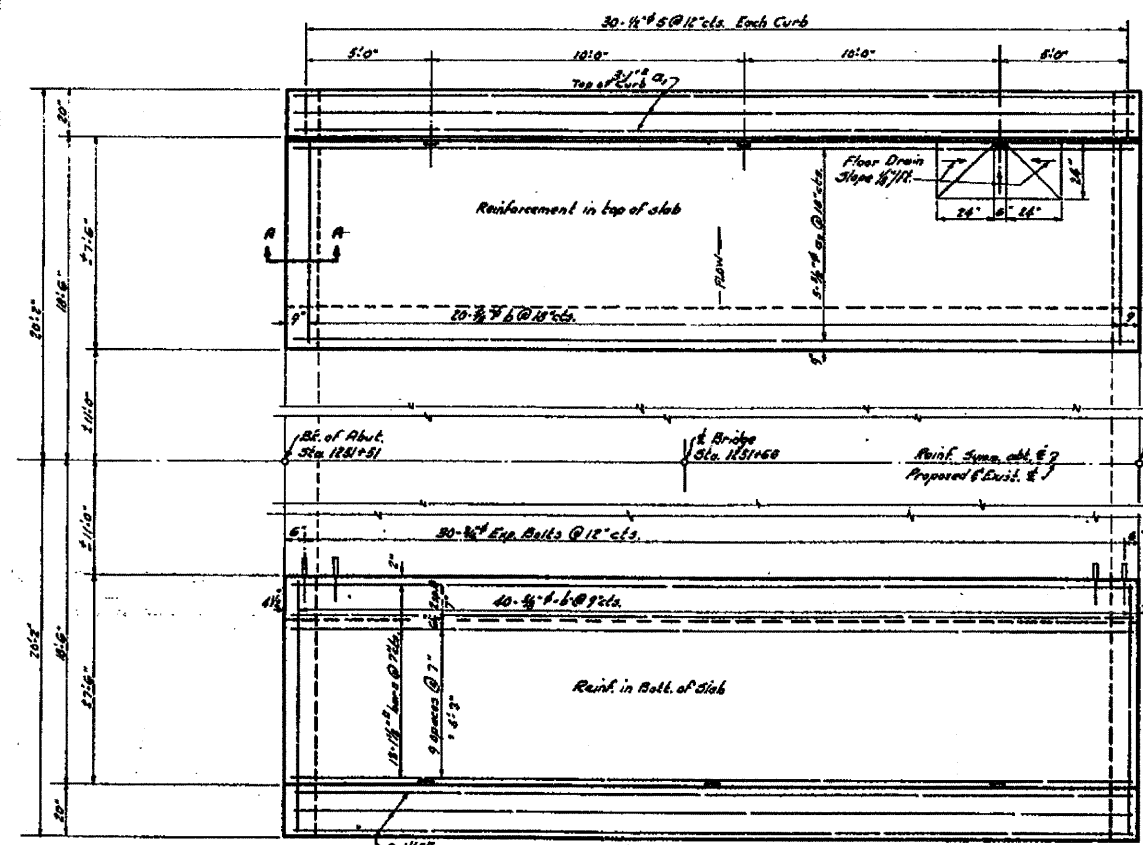
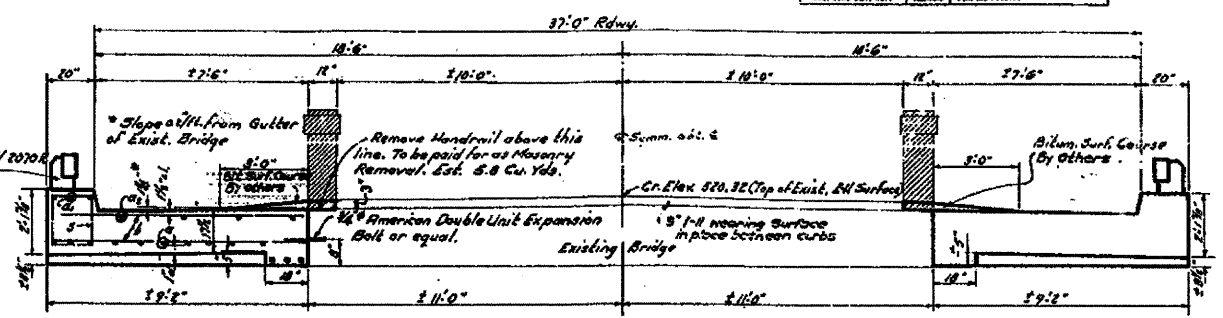
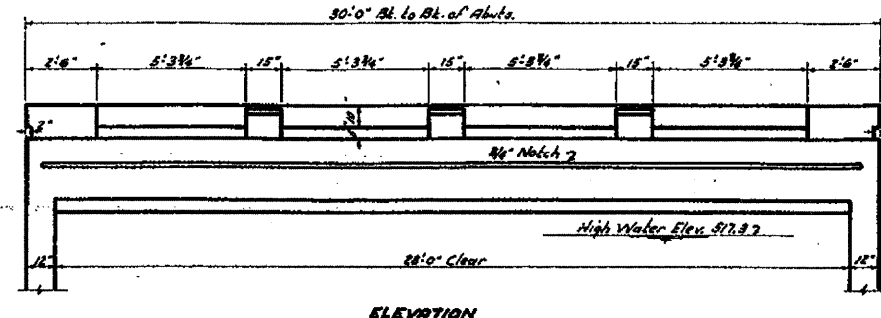
670

FILE NAME	USER NAME	DESIGNED	REVISED	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	EXISTING STRUCTURE PLANS FOR INFORMATION ONLY	F.A.M. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
		DRAWN	REVISED			327	15B-1	MARION	50	43
		CHECKED	REVISED							CONTRACT NO. 76A59
		DATE	REVISED							ILLINOIS FED. AID PROJECT

STATE OF ILLINOIS  
DEPARTMENT OF PUBLIC WORKS & BUILDINGS  
DIVISION OF HIGHWAYS

DESIGN NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
12	15B-1	MARION	8	6
SHEET NO. 1 2 SHEETS				

B.M. Top of S.E. Wing (next to Rail) Elev. 520.00  
Salvage - Contractor shall remove existing Handrail & Part of Wings. Materials for re-use - None.



STA. 1281+66  
BUILT 1950 BY  
STATE OF ILLINOIS  
S.R.I. RT. 12 SEC. 15-B-Y  
PROJ. F-3312  
LOADING H-20

GENERAL NOTES

Class X Concrete shall be used throughout, except as noted.  
Handrail Concrete shall be used in the Handrail & Parts.  
Handrail shall not be poured until falsework has been removed.  
Concrete Floor Slab shall be finished in accordance with Art. 61.3 (a) of the Standard Specifications.  
The Concrete Floor Slab on each side of existing structure shall be poured in one continuous operation.  
For Backfill behind Abuts., see Art. 23.2C(1) of S.D.S. Specs.  
The cost of furnishing and installing copper seal, cement nails, and joint filler shall be included in contract unit price for Class X Concrete.  
Contract unit price each for Exp. Bolts shall include furnishing, drilling holes, and setting Exp. Bolts.

WATERWAY DATA

Drainage Area 3008 Acres  
Character: Rolling, clay, wooded, cultivated,  
C&EJ reservoir No. of Bridge  
Proposed & Present Opening: 160 sq. ft.  
Req'd " in Talbot's Formula = 0.4  
Req'd Opening by Formula = 165 sq. ft.

BILL OF MATERIAL - SUPERSTRUCTURE

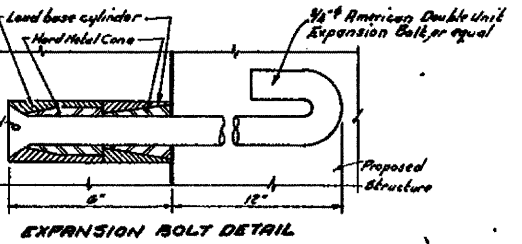
Bar No.	Size	Length	Shape
a	20	18'-0"	22'-0"
b	4	1'-0"	28'-0"
c	10	3'-0"	27'-6"
d	120	4'-0"	6'-0"
e	44	7'-0"	2'-9"
f	20	1'-0"	2'-0"
g	60	1'-0"	7'-0"
Class X Concrete Cu. Yds. 34.1			
Handrail Concrete Cu. Yds. 1.4			
Reinforcement Bars Lbs. 6300			
Expansion Bolts Ea. 60			
Masonry Removal Cu. Yds. 5.8			
Name Plate Ea. One			

TOTAL BILL OF MATERIAL

Item	Super.	Sub.	Total
Class X Concrete	Cu. Yds. 34.1	56.2	90.3
Handrail Concrete	Cu. Yds. 1.4		1.4
Reinforcement Bars	Lbs. 6300	3100	9400
Masonry Removal	Cu. Yds. 5.8	1.2	7.0
Expansion Bolts	Ea. 60	60	120
Name Plate	Ea. One		One
Class A Floor for Struct.	Cu. Yds. 1	43	44
Class B Floor for Struct.	Cu. Yds. 1	170	171

STRESSES

f<sub>c</sub> 20,000 psi  
f<sub>s</sub> 18,000 psi Super  
f<sub>s</sub> 16,000 psi Sub  
n 10  
Loading H-20-S16



DESIGNED: *Raffl Healdt*  
CHECKED: *J. G. [Signature]*  
DRAWN: *[Signature]*  
EXAMINED: *[Signature]*  
PASSED: *[Signature]*  
APPROVED: *[Signature]*

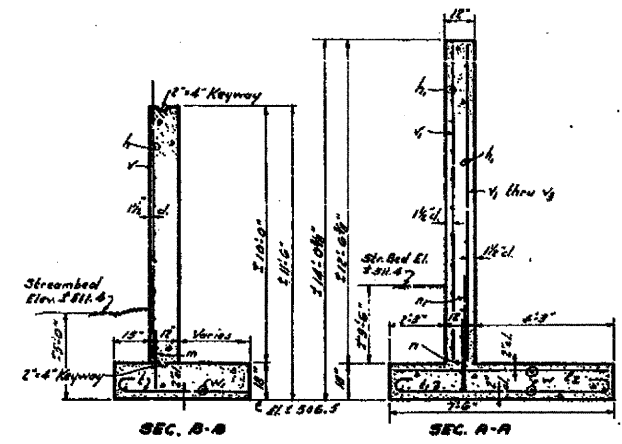
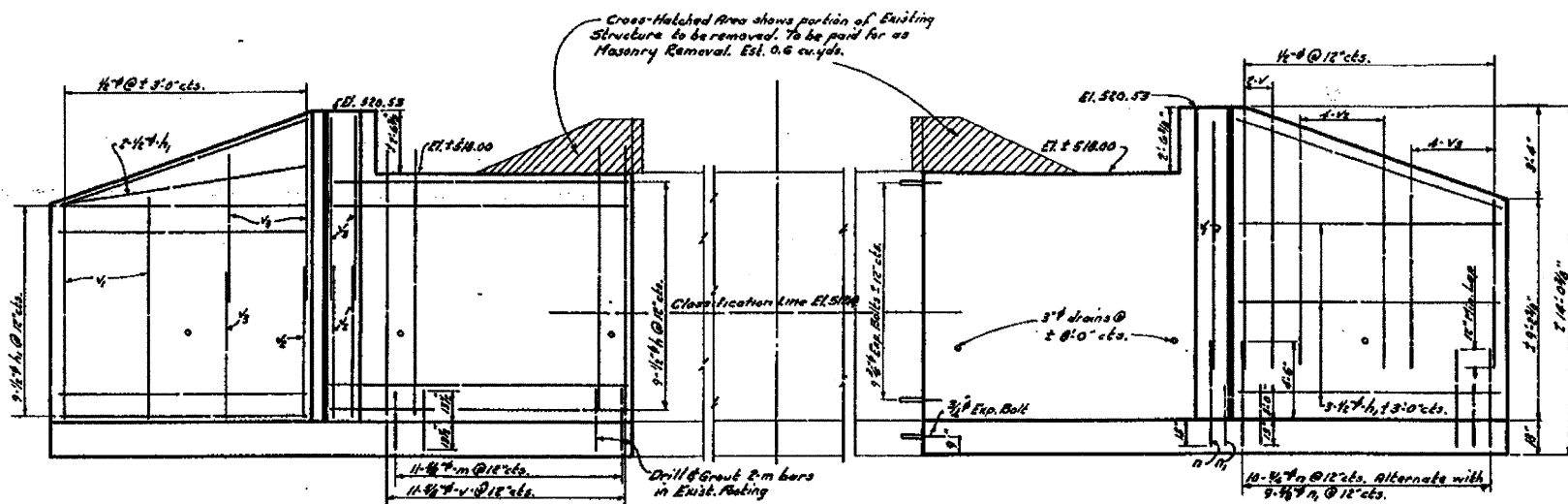
Revised wearing surface (7-20-50)  
Revised 3/15/51 - Added Class A & B Excavation for Structures H.N.C.

PROJ. F-3312  
S.R.I. RT. 12 (COMMERCIAL) SEC. 15-B-Y  
MARION CO.  
STA. 1281+66

FILE NAME =	USER NAME =	DESIGNED -	REVISED -	STATE OF ILLINOIS	EXISTING STRUCTURE PLANS	F.A.M. R.T.E.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
07FILEL4	#USCR8	DRAWN -	REVISED -	DEPARTMENT OF TRANSPORTATION	FOR INFORMATION ONLY	327	15B-1	MARION	88	44
		CHECKED -	REVISED -						CONTRACT NO. T6A55	
		PLOT DATE =	REVISED -						ILLINOIS FED. AID PROJECT	

STATE OF ILLINOIS  
DEPARTMENT OF PUBLIC WORKS & BUILDINGS  
DIVISION OF HIGHWAYS

BOOK NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
18	15BY	MARION	8	7
SHEETS				

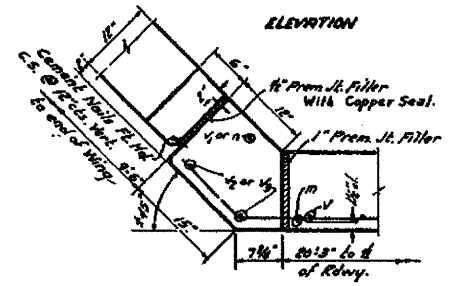


SHOWING REINF. IN FRONT FACE

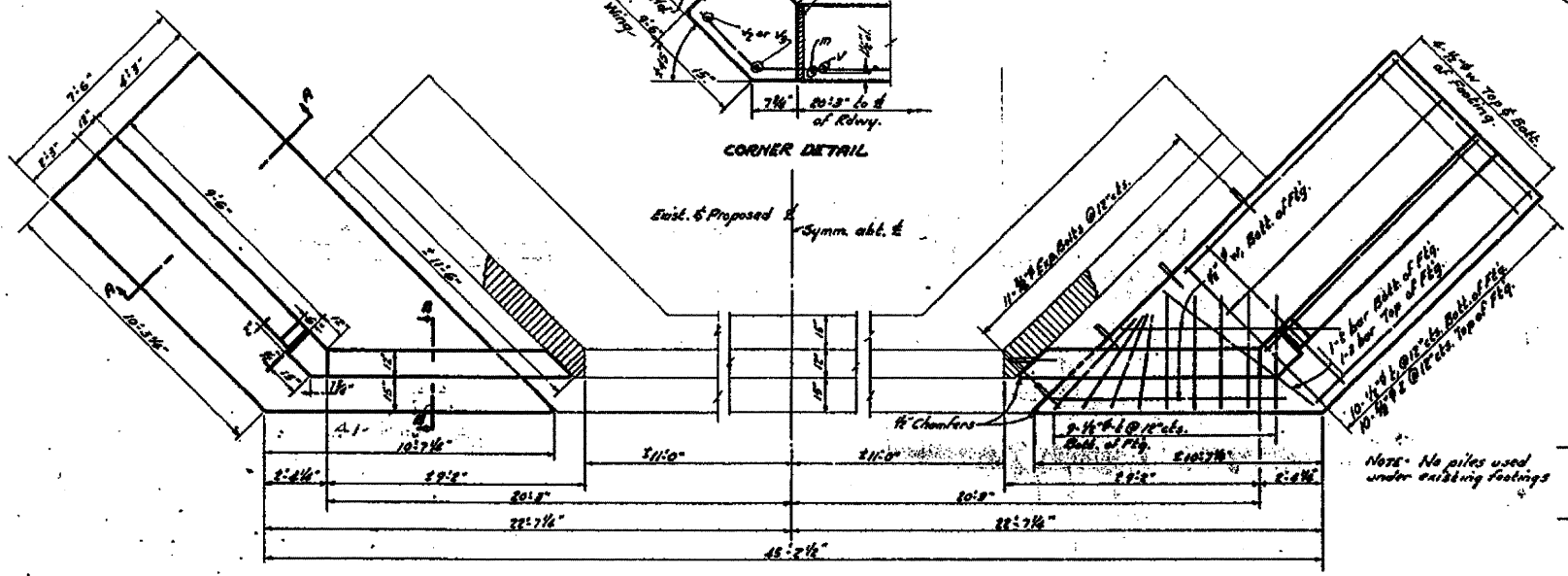
ELEVATION

Note - New footings to be at same elevations as exist. footings.

SHOWING REINF. IN BACK FACE

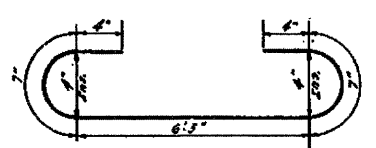


CORNER DETAIL

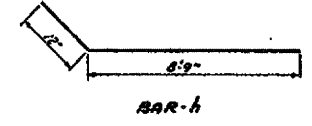


PLAN

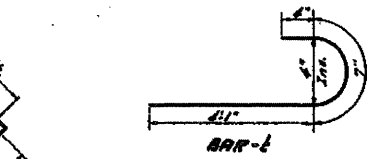
Note - Vertical dimensions shall be the difference between elev. shown for the top of Proposed Abut. & Elev. @ Top of Exist. Flgs.



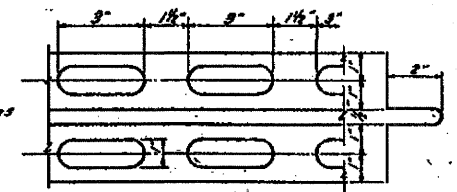
BAR - L



BAR - h



BAR - L



COPPER SEAL DETAIL

Copper Seal shall be 16 oz controlled annealed copper with perforated flanges. Splices, if necessary, shall be soldered or brazed. Cost shall include in contract unit price for Class X Concrete.

Bar	Qty	Size	Length	Shape
v	11	4"	11'0"	
w	20	4"	6'6"	
x	20	"	7'6"	
y	32	"	6'0"	
h	26	1/2"	9'9"	
h	20	"	9'0"	
l	22	1/2"	2'0"	
l	44	"	2'9"	
z	44	1/2"	7'0"	
w	22	1/2"	10'6"	
y	0	"	6'0"	
m	44	1/2"	2'9"	
n	44	1/2"	2'9"	
n	40	1/2"	4'9"	

Class X Concrete      Cu Yds. 58.0  
Reinforcement Bars      No. 800  
Masonry Removal      Cu Yds. 12  
Expansion Bolts      No. 09  
Class A Excav. for Structures Cu Yds. 43  
Class B Excav. for Structures Cu Yds. 170

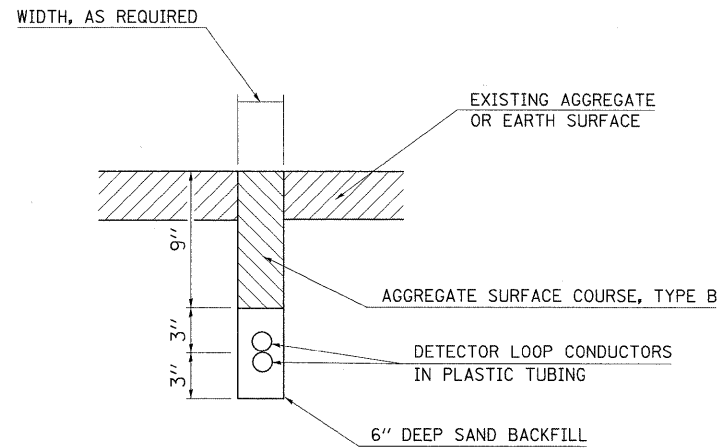
DESIGNED: *Ralph H. ...*  
CHECKED: *...*  
DRAWN: *...*  
CHECKED: *...*

EXAMINED: *...*  
PASSED: *...*  
APPROVED: *...*

Revised 3/15/51 - Added Classification Line and Class A & B Excavation for Structures R.H.C.

PROJ. 15-1524  
S.A.T. 12  
MARION CO.  
STR. 1251-66

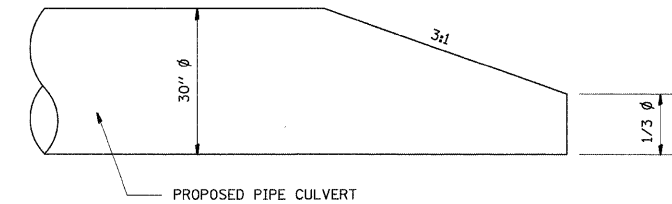
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#FILE#		DRAWN	REVISIONS			327	15B-1	MARION	58	45
PLOT SCALE = #SCALE#		CHECKED	REVISIONS							CONTRACT NO. 76A55
PLOT DATE = #DATE#		DATE	REVISIONS							ILLINOIS FED. AID PROJECT
					SCALE:	SHEET NO. 4 OF 4 SHEETS	STA.	TO STA.		



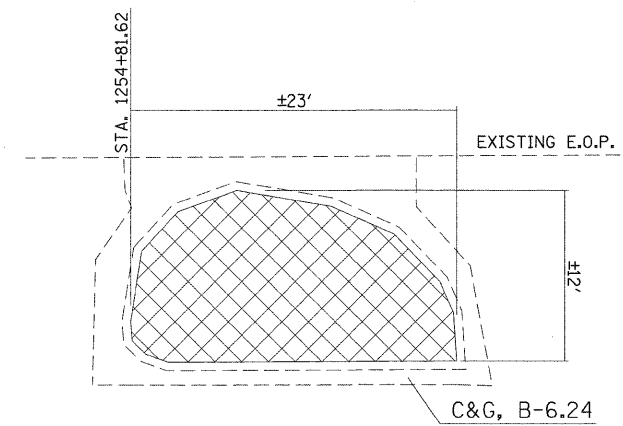
**DETECTOR LOOP INSTALLED IN TRENCH**

INSTALLATION IS TO BE DONE IN CONFORMANCE WITH THE REQUIREMENTS OF THE PLANS AND SECTION 886 OF THE STANDARD SPECIFICATIONS WITH THE FOLLOWING EXCEPTIONS:

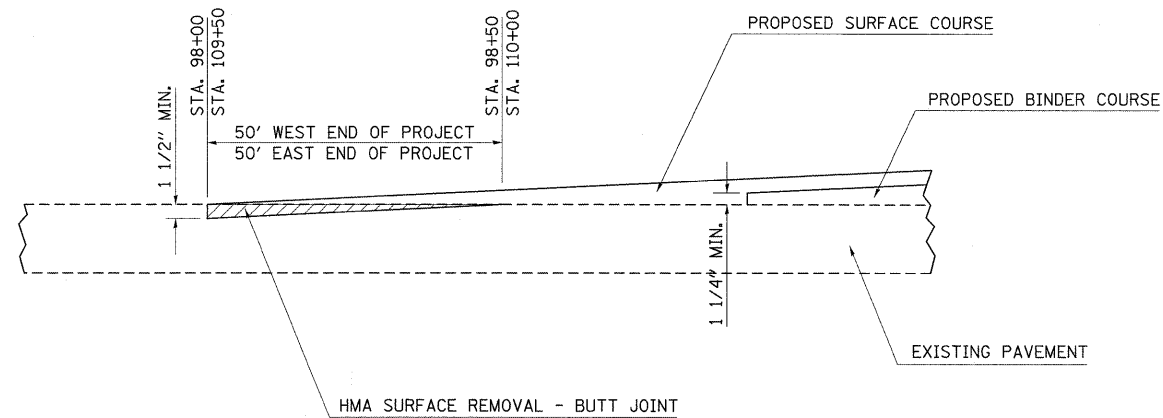
1. SLOTS ARE TO BE TRENCHED INSTEAD OF SAWED.
2. THIS WORK SHALL NOT BE PAID FOR SEPERATELY BUT SHALL BE INCLUDED IN THE COST OF "TEMPORARY BRIDGE TRAFFIC SIGNALS (STATE FURNISHED CONTROLLER)" - 1 EACH.



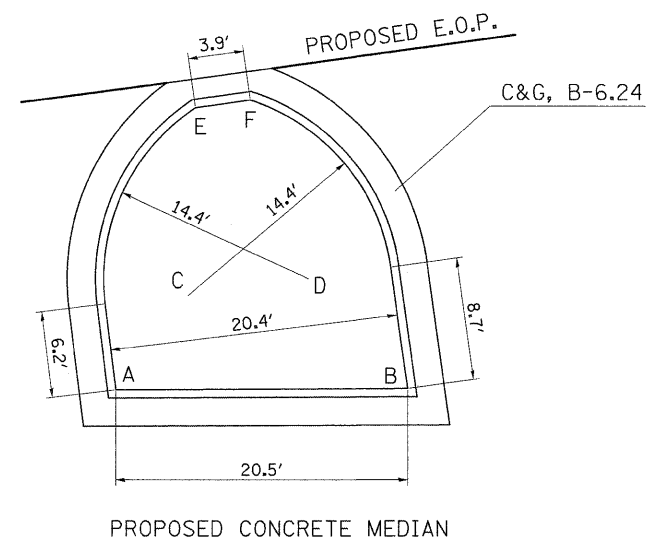
**BEVELED END SECTION**  
 THE BEVELED END PORTION WILL BE PAID FOR AT THE SAME UNIT PRICE PER LINEAL FOOT AS THE PIPE CULVERT



EXISTING CONCRETE MEDIAN TO BE REMOVED



**BUTT JOINT DETAIL**

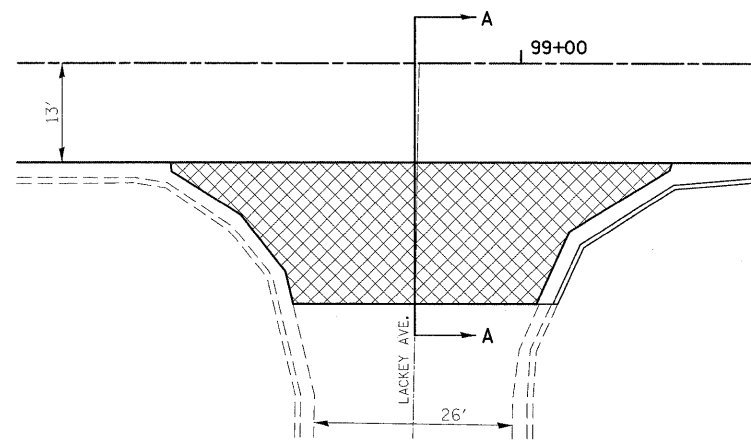


PROPOSED CONCRETE MEDIAN

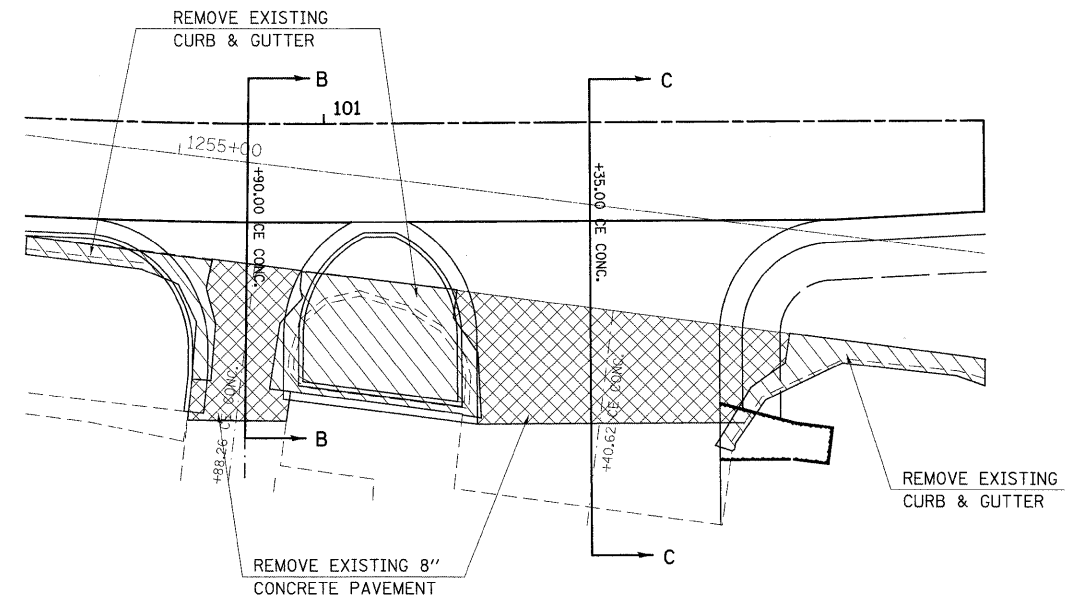
LOCATION	STATION	OFFSET
A	100+97.16	33.94
B	101+17.55	36.66
C	101+03.11	28
D	101+11.65	28
E	101+05.37	15
F	101+09.29	15

FILE NAME =	USER NAME = harbaughrd	DESIGNED -	REVISED -	<b>STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION</b>	<b>MISCELLANEOUS DETAILS</b>				F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
ct:\pe_work\PWIDOT\HARBAUGH\RD\dms52298\in03007a.dgn		DRAWN -	REVISED -		327	15B-1	MARION	58	46				
PLOT SCALE = 50.0000' / IN.		CHECKED -	REVISED -		CONTRACT NO. 76A59								
PLOT DATE = 12/18/2009		DATE -	REVISED -		ILLINOIS FED. AID PROJECT								
				SCALE: NA	SHEET NO.	OF	SHEETS	STA.	TO STA.				

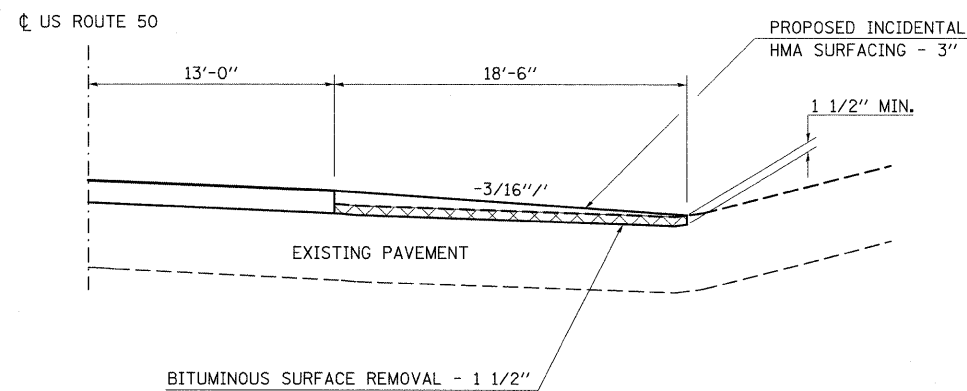




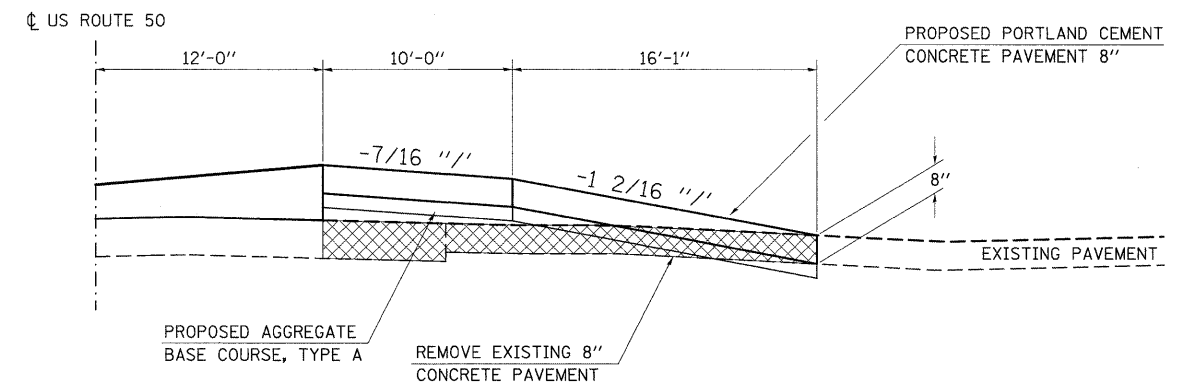
LACKEY AVE. REMOVAL DETAIL  
PLAN VIEW



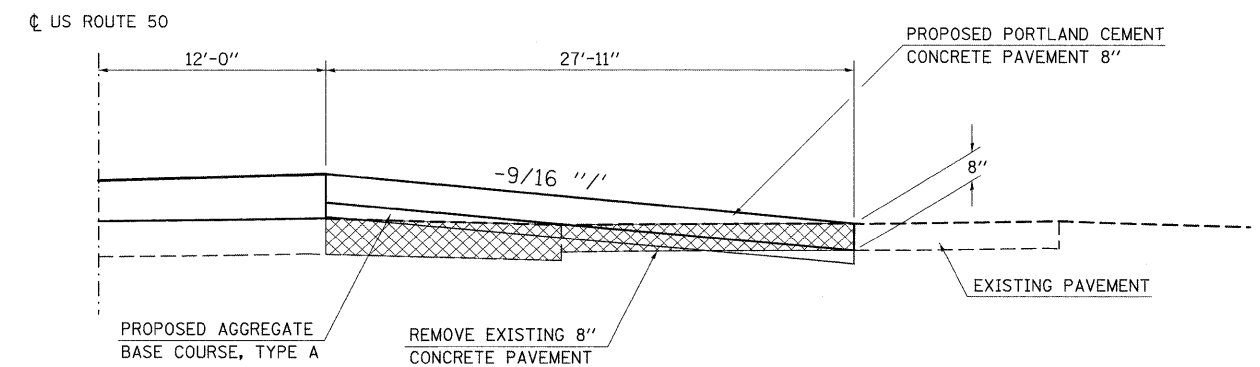
STA. 100+90 & STA. 101+35 REMOVAL DETAIL  
PLAN VIEW



SECTION DETAIL A-A  
CL LACKEY AVE.



SECTION DETAIL B-B  
CL STA. 100+90



SECTION DETAIL C-C  
CL STA. 101+35

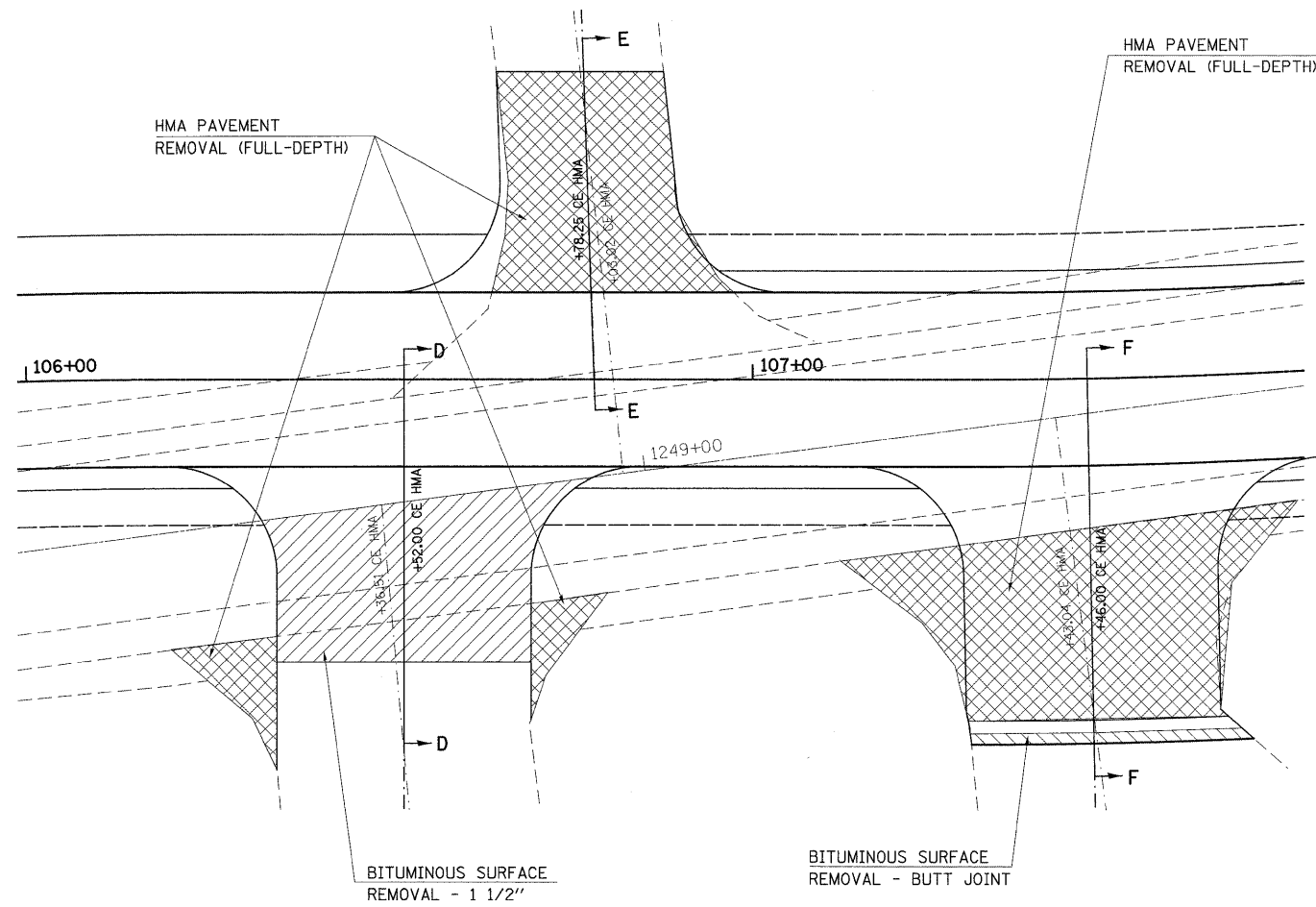
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	PLOT SCALE = 50.0000 ' / IN.	CHECKED -	REVISED -
	PLOT DATE = 12/11/2009	DATE -	REVISED -

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

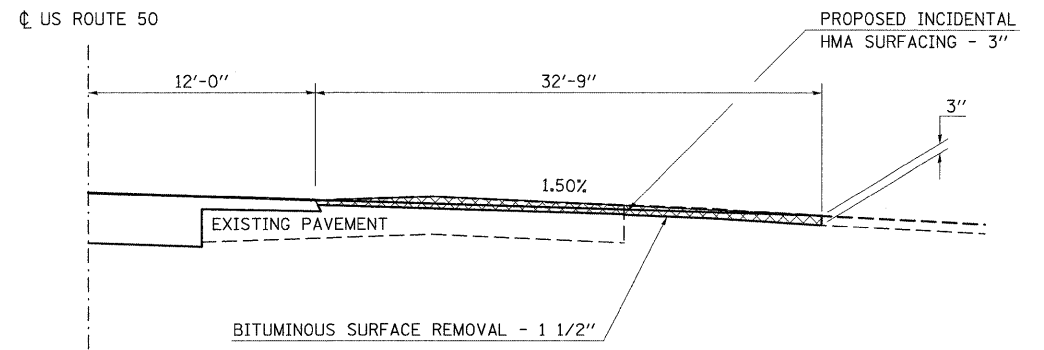
ENTRANCE DETAILS

SCALE: SHEET NO. 1 OF 3 SHEETS STA. TO STA.

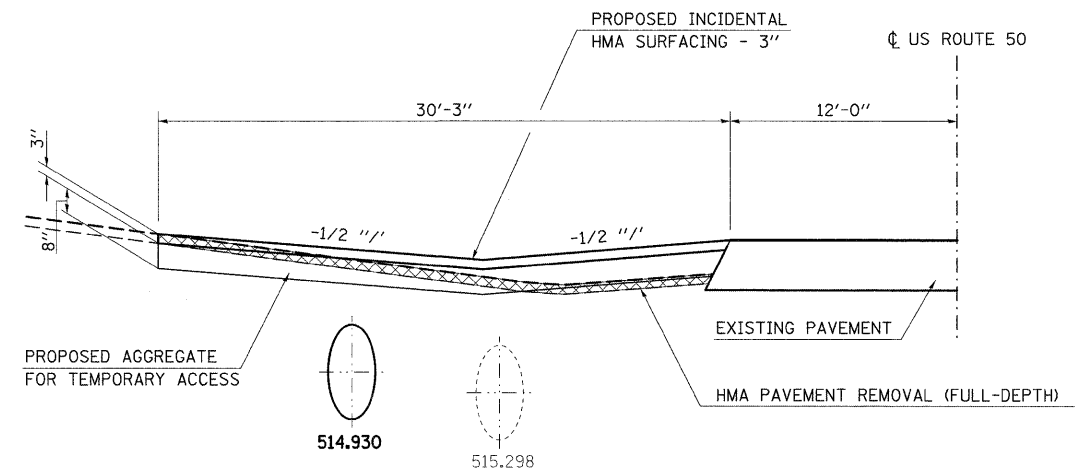
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
327	15B-1	MARION	58	47
CONTRACT NO. 76A59				
ILLINOIS FED. AID PROJECT				



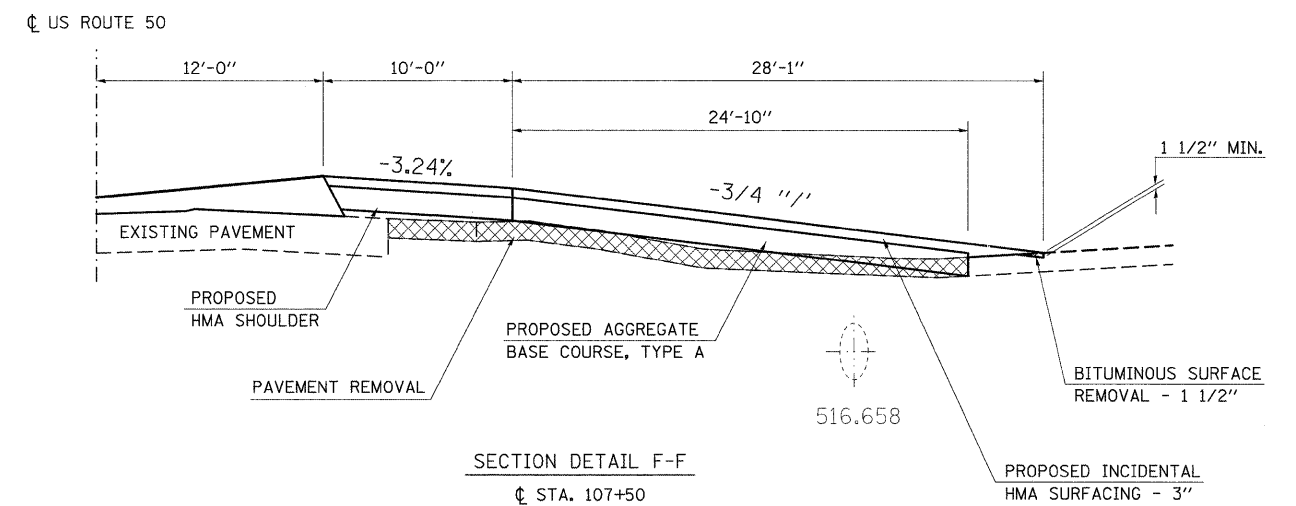
STA. 106+50, 106+75 & 107+50 REMOVAL DETAIL  
PLAN VIEW



SECTION DETAIL D-D  
CL STA. 106+50



SECTION DETAIL E-E  
CL STA. 106+75



SECTION DETAIL F-F  
CL STA. 107+50

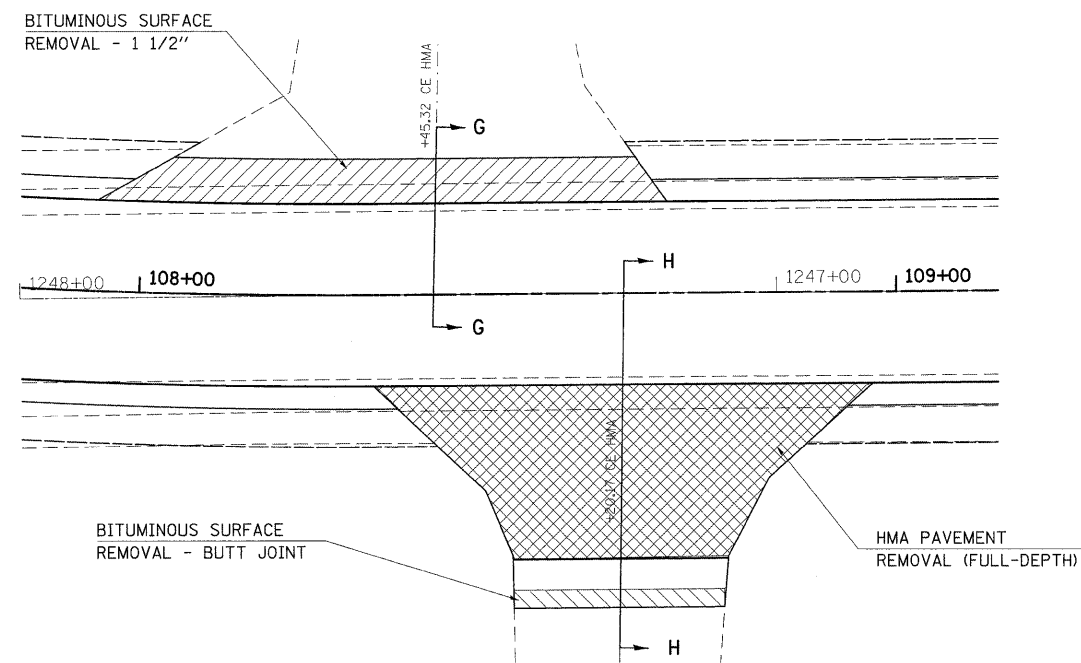
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	PLOT DATE = 12/10/2009	DATE -	REVISED -

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

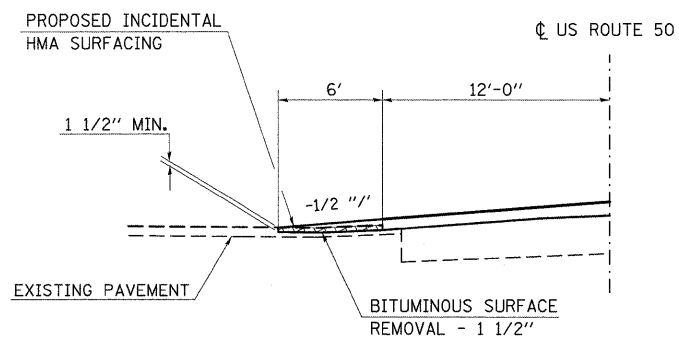
ENTRANCE DETAILS

SCALE: SHEET NO. 2 OF 3 SHEETS STA. TO STA.

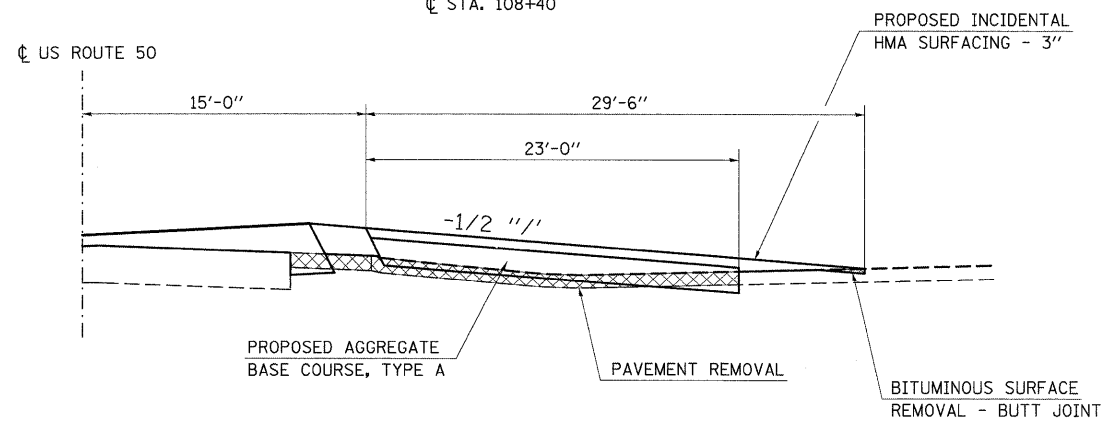
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
327	15B-1	MARION	58	48
CONTRACT NO. 76A59				
ILLINOIS FED. AID PROJECT				



STA. 108+40 & STA. 108+65 REMOVAL DETAIL  
PLAN VIEW



SECTION DETAIL G-G  
CL STA. 108+40



SECTION DETAIL H-H  
CL STA. 108+65

FILE NAME =	USER NAME = harbaugh-rd	DESIGNED -	REVISED -
c:\pwork\pwork\DOT\HARBAUGH\RD\dms52298\1n03007e.dgn		DRAWN -	REVISED -
		CHECKED -	REVISED -
		DATE -	REVISED -

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

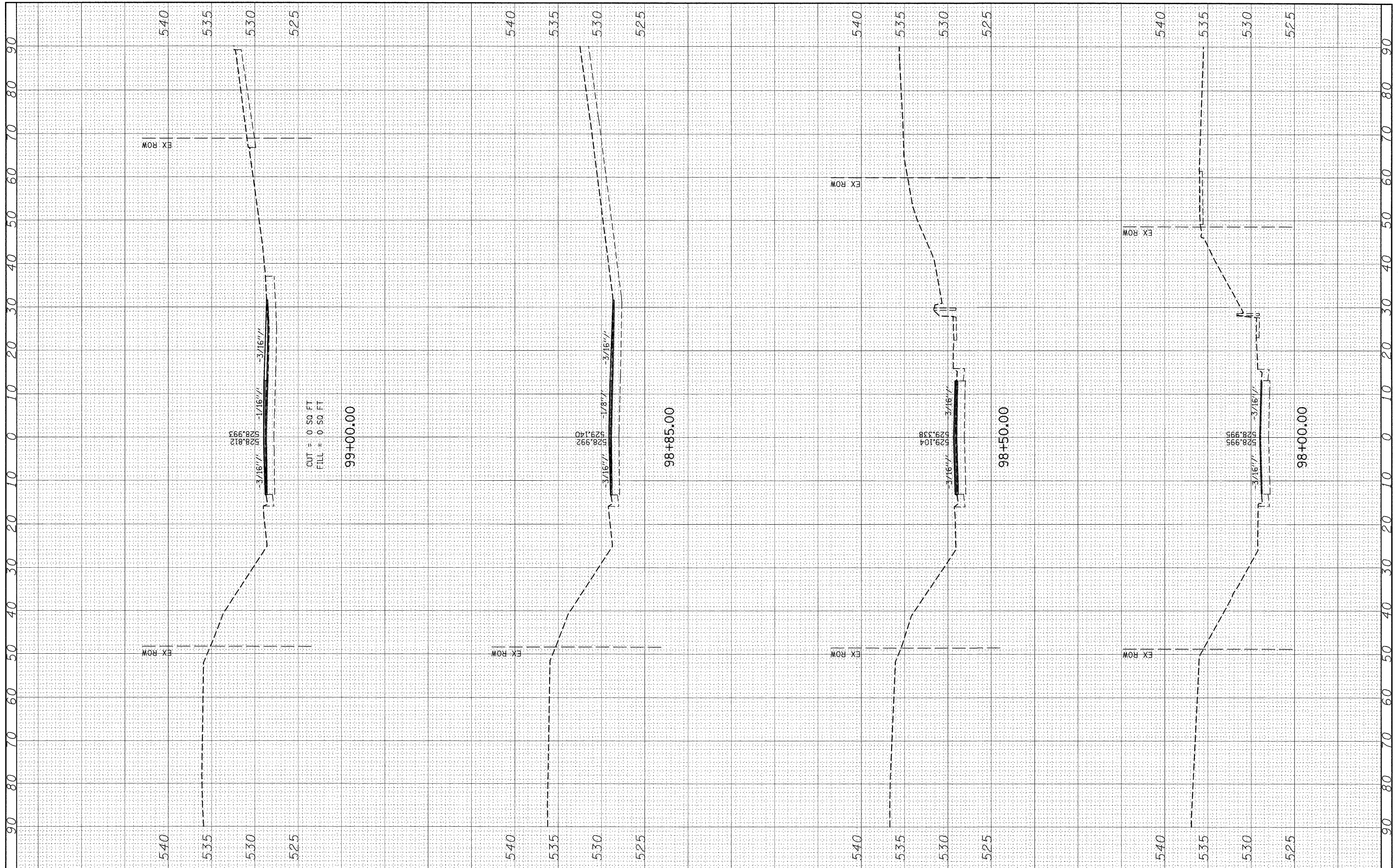
ENTRANCE DETAILS

SCALE: SHEET NO. 3 OF 3 SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
327	15B-1	MARION	58	49
CONTRACT NO. 76A59				
ILLINOIS FED. AID PROJECT				

FINAL SURVEY	SURVEYED	BY	DATE
NOTE BOOK	PLOTTED		
NO.	TEMPLATE		
	AREAS		
	CHECKED		

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

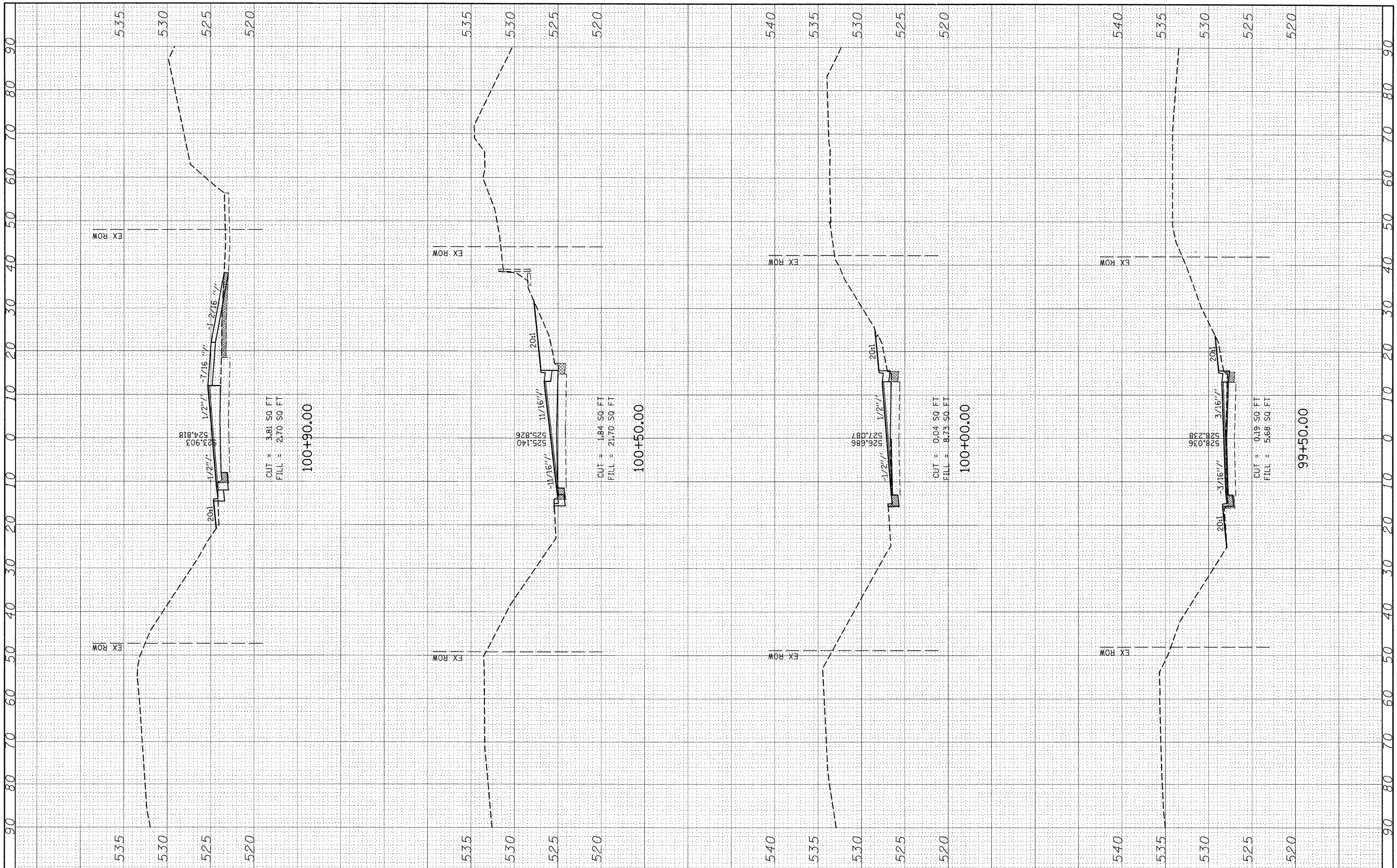


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#FILEL#	PLOT SCALE = #SCALE#	DRAWN -	REVISED -		SCALE: 20	SHEET NO. 1 OF 9 SHEETS	STA. 98+00.00 TO STA. 99+00.00	<b>CONTRACT NO. 76A59</b>				
	PLOT DATE = #DATE#	CHECKED -	REVISED -		ILLINOIS FED. AID PROJECT							
		DATE -	REVISED -									



FINAL SURVEY	SURVEYED	BY	DATE
NOTE BOOK	PLOTTED		
NO.	TEMPLATE		
	AREAS		
	CHECKED		

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

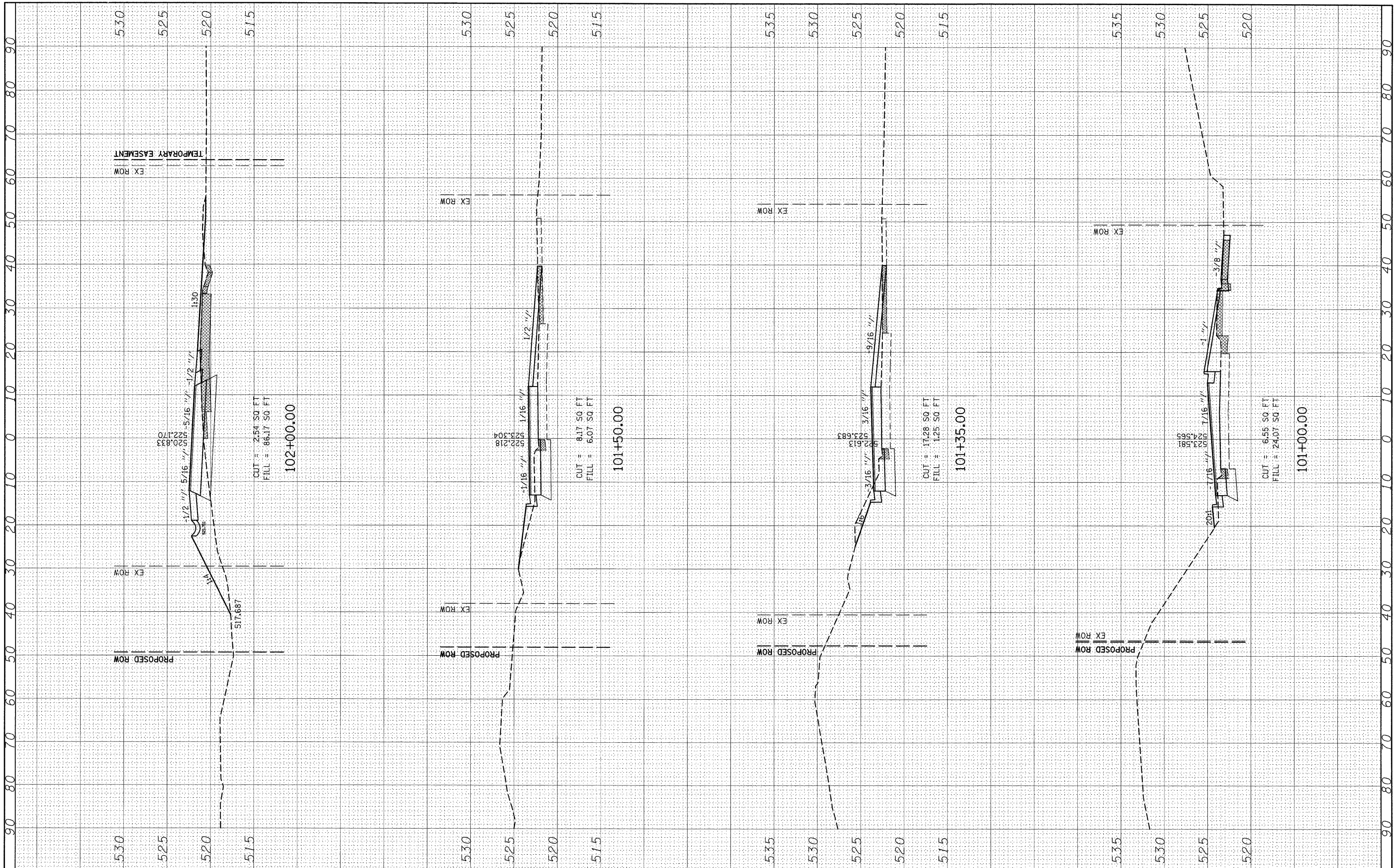


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	PLOT DATE = #DATE#	CHECKED -	REVISED -		ILLINOIS FED. AID PROJECT							
		DATE -	REVISED -									



FINAL SURVEY	SURVEYED	BY	DATE
NOTE BOOK	PLOTTED		
NO.	TEMPLATE		
	AREAS		
	CHECKED		

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



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PLOT DATE = #DATE#

DESIGNED -  
DRAWN -  
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**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

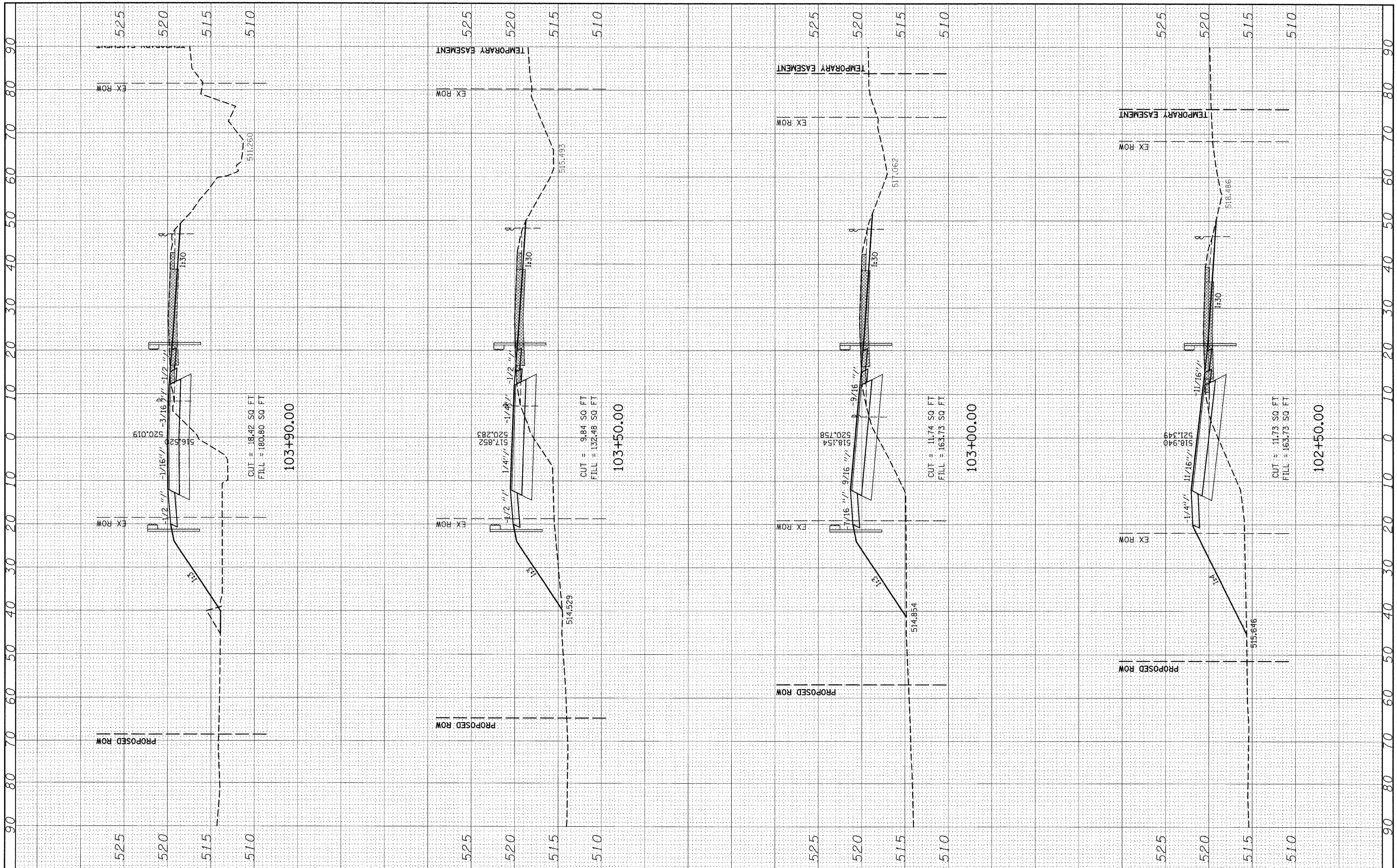
**MAINLINE CROSS SECTIONS**

SCALE: 20      SHEET NO. 3 OF 9 SHEETS      STA. 101+00.00 TO STA. 102+00.00

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
327	15B-1	MARION	58	52
				CONTRACT NO. 76A59
ILLINOIS FED. AID PROJECT				

FINAL SURVEY	SURVEYED	BY	DATE
NOTE BOOK	PLOTTED		
NO.	TEMPLATE		
	AREAS CHECKED		

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



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DESIGNED -	REVISED -
DRAWN -	REVISED -
CHECKED -	REVISED -
DATE -	REVISED -

**STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION**

**MAINLINE CROSS SECTIONS**

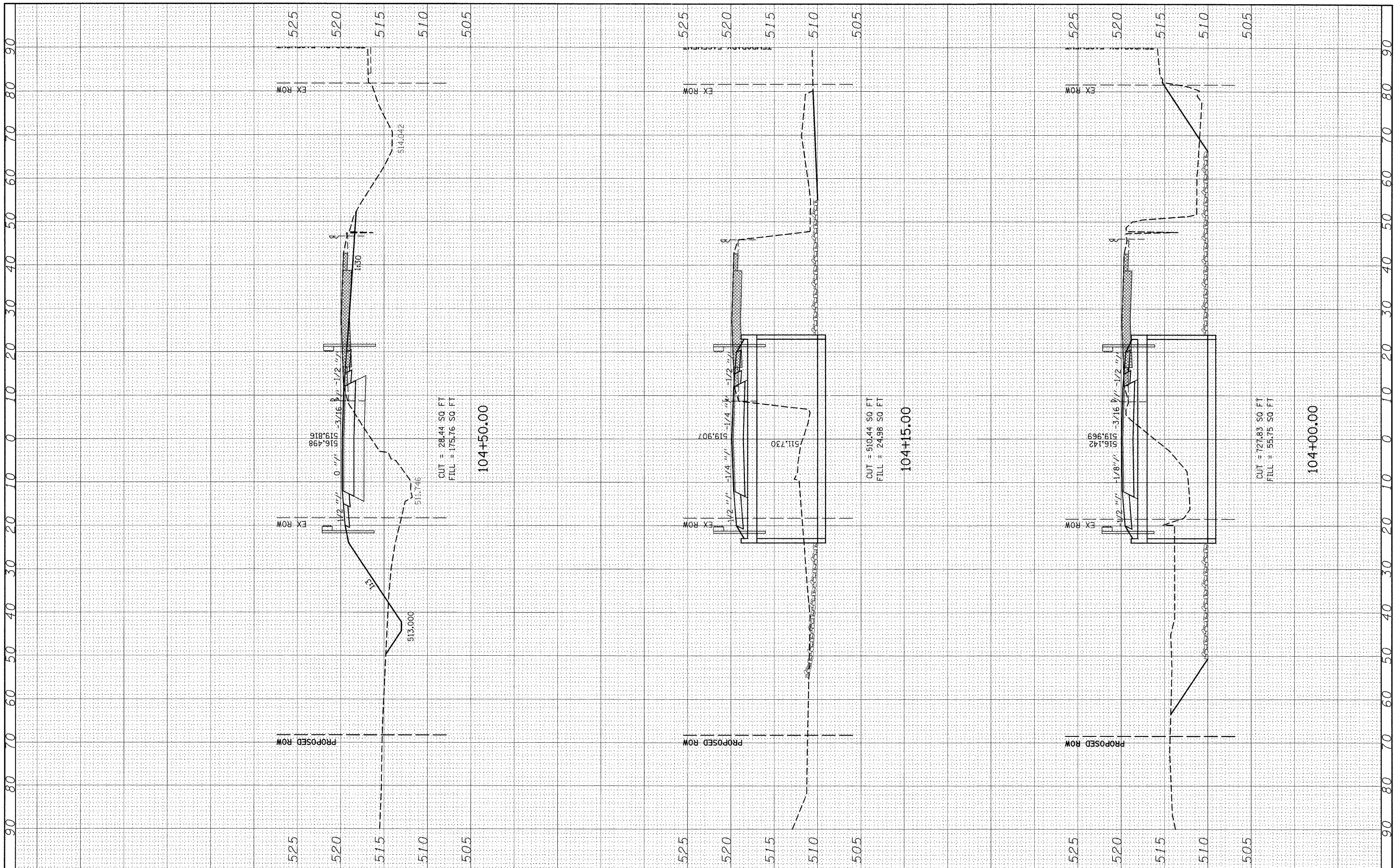
SCALE: 20      SHEET NO. 4 OF 9 SHEETS      STA. 102+50.00 TO STA. 103+90.00

F.A.P. RTE. 327	SECTION 15B-1	COUNTY MARION	TOTAL SHEETS 58	SHEET NO. 53
ILLINOIS FED. AID PROJECT				CONTRACT NO. 76A59



FINAL SURVEY	CHECKED	BY	DATE
SURVEY	PLOTTED		
NOTE BOOK	TEMPLATE		
AREAS	CHECKED		
NO.			

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



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DESIGNED -  
DRAWN -  
CHECKED -  
DATE -

REVISED -  
REVISED -  
REVISED -  
REVISED -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

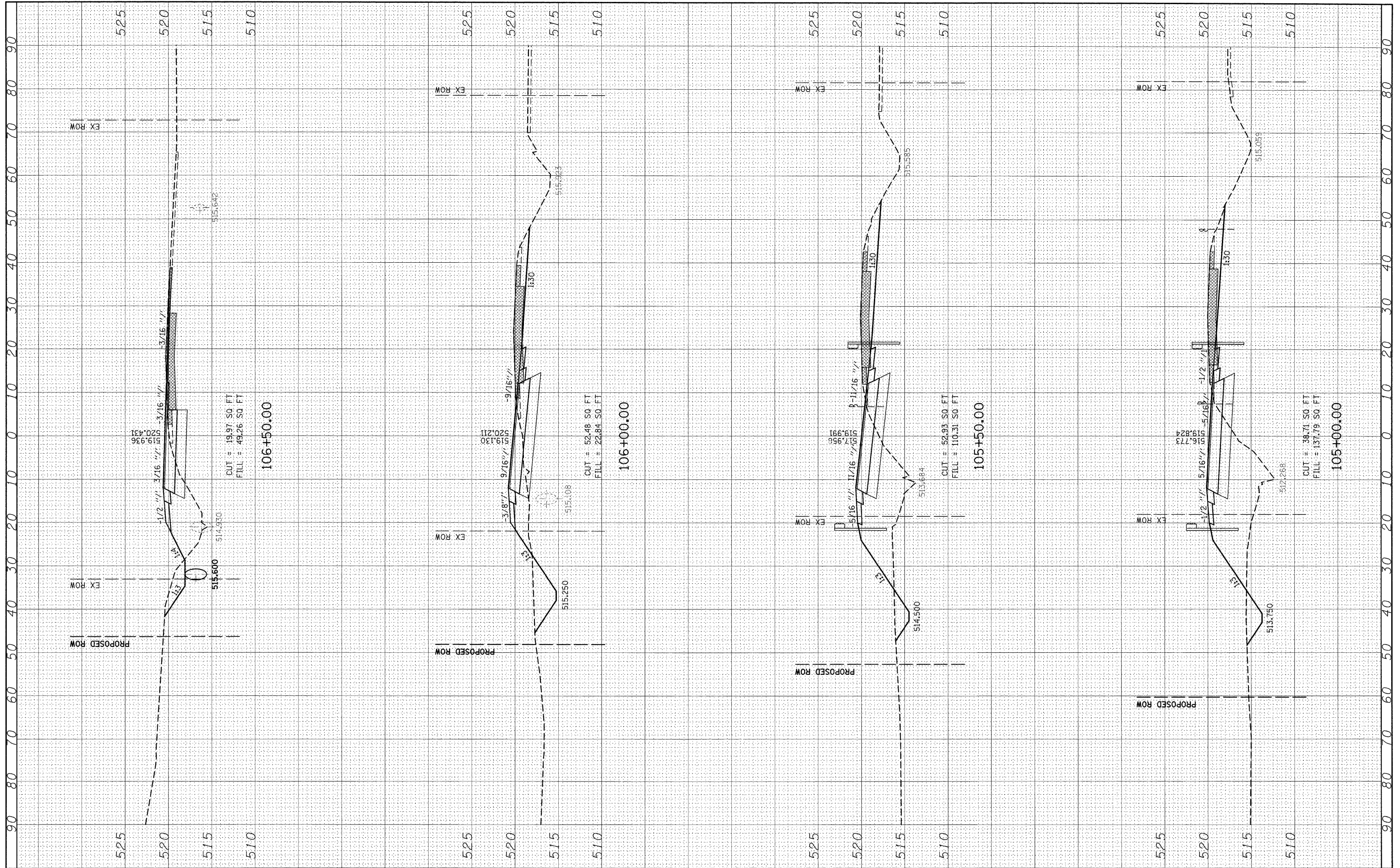
**MAINLINE CROSS SECTIONS**

SCALE: 20 SHEET NO. 5 OF 9 SHEETS STA. 104+00.00 TO STA. 104+50.00

F.A.P. RTE. 327	SECTION 15B-1	COUNTY MARION	TOTAL SHEETS 58	SHEET NO. 54
ILLINOIS FED. AID PROJECT			CONTRACT NO. 76A59	

FINAL SURVEY	SURVEYED	BY	DATE
NOTE BOOK	PLOTTED		
AREAS	TEMPLATE		
AREAS	CHECKED		

ORIGINAL SURVEY	SURVEYED	BY	DATE
NOTE BOOK	PLOTTED		
AREAS	TEMPLATE		
AREAS	CHECKED		

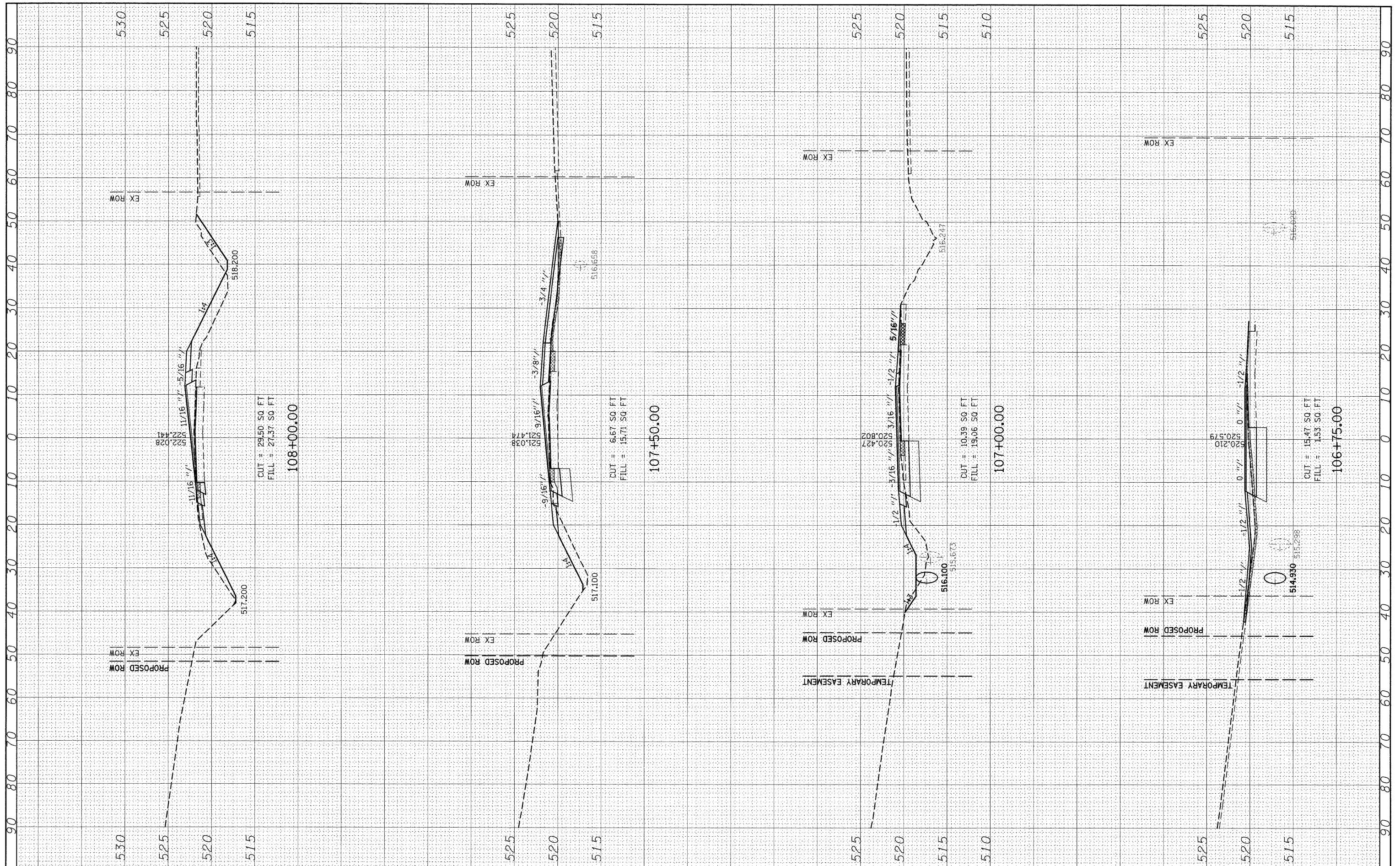


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	PLOT DATE = #DATE#	DATE -	REVISED -		ILLINOIS FED. AID PROJECT							



FINAL SURVEY	SURVEYED	BY	DATE
NOTE BOOK NO.	PLOTTED		
	TEMPLATE		
	AREAS		
	CHECKED		

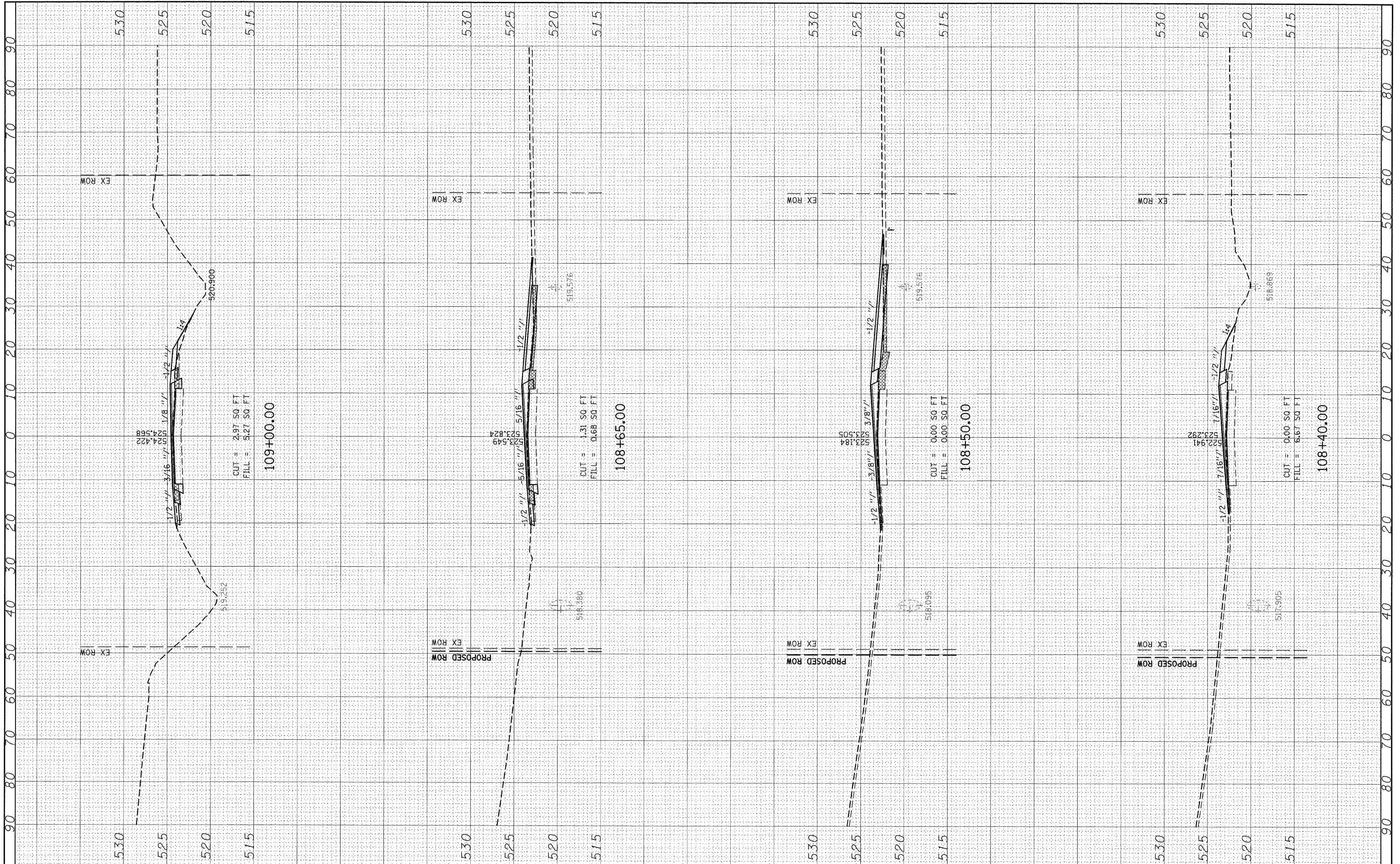
ORIGINAL SURVEY	SURVEYED	BY	DATE
NOTE BOOK NO.	PLOTTED		
	TEMPLATE		
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	CHECKED		



FILE NAME =	USER NAME = #USER#	DESIGNED -	REVISED -	<b>STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION</b>	<b>MAINLINE CROSS SECTIONS</b>			F.A.P. RTE. 327	SECTION 15B-1	COUNTY MARION	TOTAL SHEETS 58	SHEET NO. 56
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	PLLOT DATE = #DATE#	CHECKED -	REVISED -		ILLINOIS FED. AID PROJECT							
		DATE -	REVISED -									

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

DATE	
BY	
DESIGNED	
DRAWN	
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NOTE BOOK	
SURVEY	
ORIGINAL	

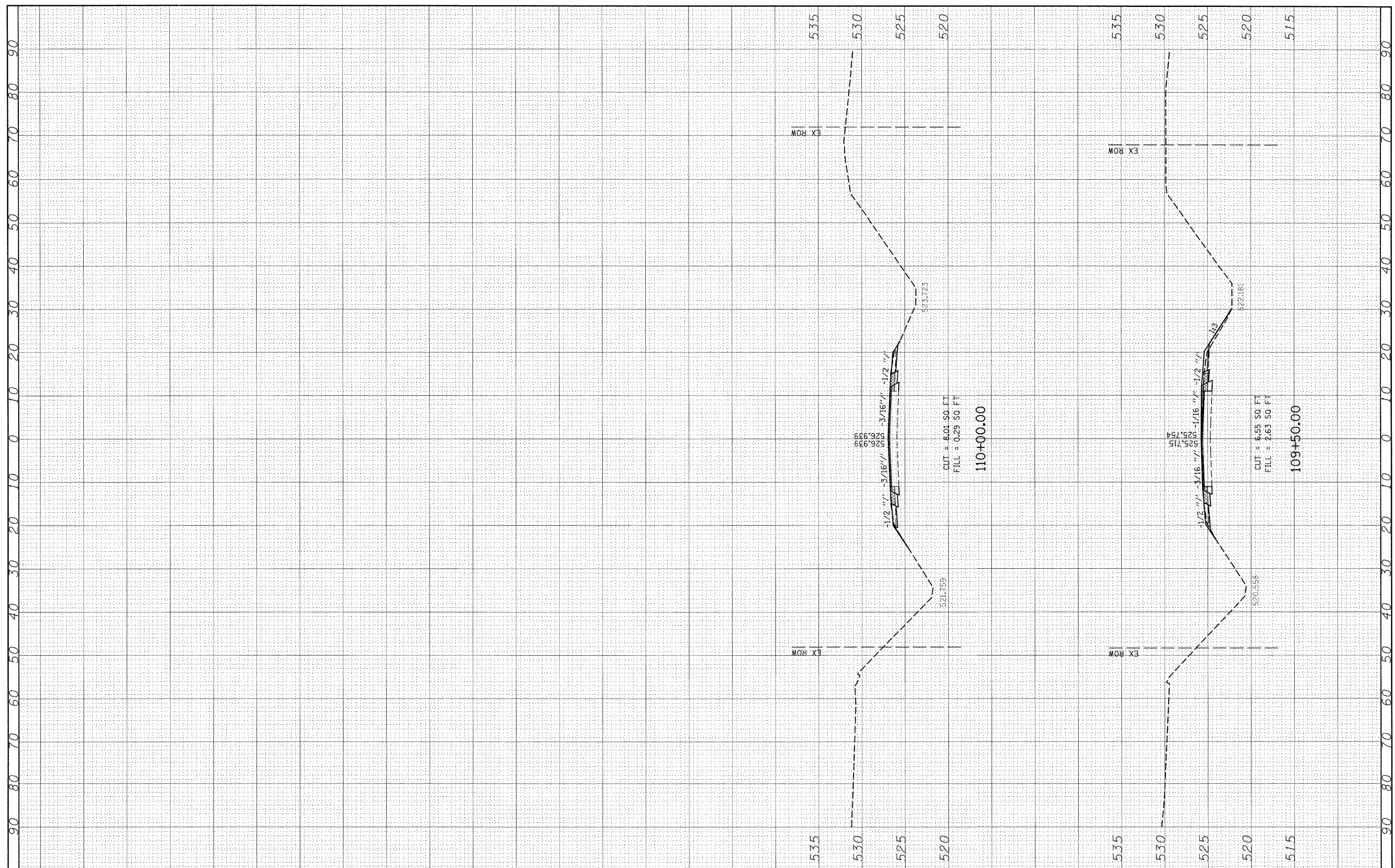


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\$FILEL\$	PLLOT SCALE = #SCALE#	DRAWN -	REVISED -		SCALE: 20	SHEET NO. 8 OF 9 SHEETS	STA. 108+40.00 TO STA. 109+00.00	CONTRACT NO. 76A59		ILLINOIS FED. AID PROJECT		
	PLLOT DATE = #DATE#	CHECKED -	REVISED -									
		DATE -	REVISED -									



FINAL SURVEY	SURVEYED	BY	DATE
NOTE BOOK	PLOTTED		
NO.	TEMPLATE		
	AREAS		
	CHECKED		

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



FILE NAME =	USER NAME = #USER#	DESIGNED -	REVISED -	<b>STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION</b>	<b>MAINLINE CROSS SECTIONS</b>			F.A.P. RTE. 327	SECTION 15B-1	COUNTY MARION	TOTAL SHEETS 58	SHEET NO. 58
#FILE#		DRAWN -	REVISED -		SCALE: 20	SHEET NO. 9 OF 9 SHEETS	STA. 109+50.00 TO STA. 110+00.00	CONTRACT NO. 76A59				
		CHECKED -	REVISED -		ILLINOIS FED. AID PROJECT							
		DATE -	REVISED -									