

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
464	07-00014-00-SP	TAZEWELL	44	1
		ILLINOIS	CONTRACT NO.	89480

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION  
DIVISION OF HIGHWAYS**

# PLANS FOR PROPOSED SPRINGFIELD ROAD IMPROVEMENTS

**TAZEWELL COUNTY  
CONTRACT NO. 89480  
SECTION 07-00014-00-SP  
FEDERAL PROJECT NO. HSIP-RS-1467(104)  
F.A.S. ROUTE 464  
JOB NO. C-94-101-07**

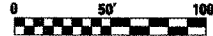

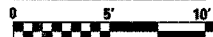

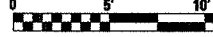
INDEX OF SHEETS

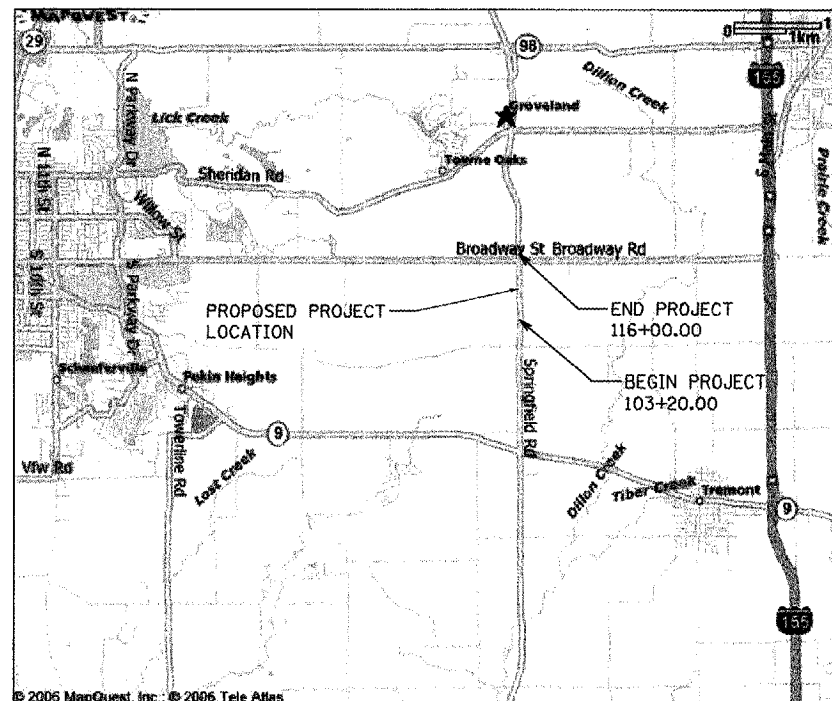
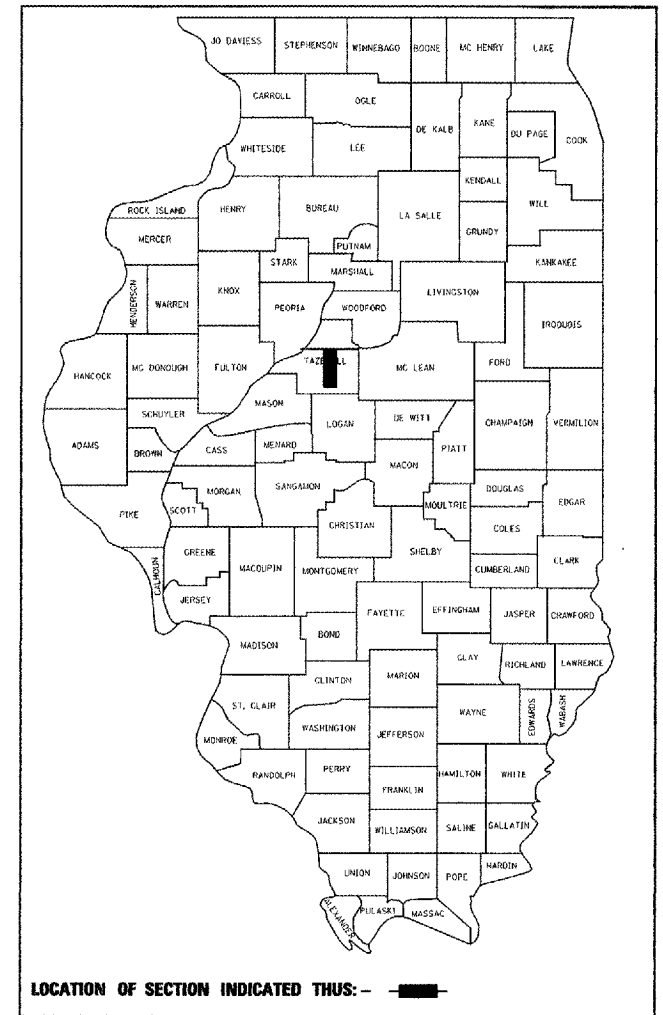
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3. SUMMARY OF QUANTITIES
- 4.-5. SCHEDULE OF QUANTITIES
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12. DETOUR PLAN
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44. BORING LOGS

LIST OF STANDARDS

IDOT STANDARDS

- |           |   |
|-----------|---|
| 280001-04 | TEMPORARY EROSION CONTROL SYSTEMS                               |
| 542301-01 | PRECAST REINFORCED CONCRETE FLARED END SECTION                  |
| 542311    | GRATING FOR CONCRETE FLARED END SECTION (FOR 24" THRU 54" PIPE) |
| 602401-01 | MANHOLE TYPE A  |
| 602601-01 | PRECAST REINFORCED CONCRETE FLAT SLAB TOP                       |
| 604001-02 | FRAME AND LIDS TYPE 1   |
| 604041-01 | FRAME AND GRATE TYPE 9  |
| 606001-03 | CONCRETE CURB TYPE B AND COMBINATION CONCRETE CURB AND GUTTER   |
| 606301-03 | PC CONCRETE ISLANDS AND MEDIANS                                 |
| 701901    | TRAFFIC CONTROL DEVICES   |
| 720001    | SIGN PANEL MOUNTING DETAILS                                     |
| 720006-07 | SIGN PANEL ERECTION DETAILS                                     |
| 728001    | TELESCOPING STEEL SIGN SUPPORT                                  |
| 780001-01 | TYPICAL PAVEMENT MARKINGS                                       |
| 781001-02 | TYPICAL APPLICATIONS RAISED REFLECTIVE PAVEMENT MARKERS         |

- |                       |   |          |
|-----------------------|---|----------|
| PLAN                  |    | 1" = 50' |
| PROFILE (HOR.)        |    | 1" = 50' |
| PROFILE (VERT.)       |  | 1" = 5'  |
| CROSS SECTION (HOR.)  |  | 1" = 10' |
| CROSS SECTION (VERT.) |  | 1" = 5'  |



TOTAL AND NET LENGTH OF IMPROVEMENT: 1280.0 FT = 0.24 MILES



DATE SIGNED: 2/15/08  
LIC. EXP. DATE: 11/30/09

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OF THE STATE OF ILLINOIS**

APPROVED	<i>Feb 15</i>	20 08
	<i>John J. Anderson</i>	COUNTY ENGINEER
PASSED	<i>2-19</i>	20 08
	<i>Derek C. Pitt</i>	DISTRICT FOUR ENGINEER OF LOCAL ROADS & STREETS
Releasing For Bid Based on Limited Review	<i>2/20</i>	20 08
	<i>Joseph E. Cronwell</i>	DEPUTY DIRECTOR OF HIGHWAYS, REGION THREE ENGINEER
STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION		

**TOLL FREE**  
JOINT UTILITY LOCATING INFORMATION FOR EXCAVATORS  
(J.U.L.I.E.) TELEPHONE NUMBER  
1-800-892-0123

DATE: 02/15/08



Hanson Professional Services Inc.  
2900 W. Willow Knolls Road  
Peoria, Illinois 61614-1129

ADT (2004) = 4600, SU = 9%, MU = 3%  
HIGHWAY CLASS: III  
DESIGN SPEED: 45 MPH  
DESIGN POLICY: 3R  
VARIANCES GRANTED: NONE  
COMMITMENTS: NONE

**GENERAL NOTES**

1. THE CONSTRUCTION SHALL BE GOVERNED BY THE "STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION IN ILLINOIS", CURRENT EDITION.
2. ALL REFERENCES TO THE "DEPARTMENT" OR "ENGINEER" IN THE I.D.O.T. STANDARD SPECIFICATIONS SHALL ALSO INCLUDE THE TAZEWELL COUNTY ENGINEER OR HIS AGENT.
3. WHERE SECTION, SUB-SECTION, SUBDIVISION, OR PROPERTY MONUMENTS ARE ENCOUNTERED, THE ENGINEER SHALL BE NOTIFIED BEFORE SUCH MONUMENTS ARE REMOVED. THE CONTRACTOR SHALL PROTECT AND PRESERVE ALL PROPERTY MARKERS UNTIL AN OWNER OR AUTHORIZED SURVEYOR HAS WITNESSED OR REFERENCED THEIR LOCATION.
4. THE CONTRACTOR SHALL FIELD VERIFY ALL DIMENSIONS AND EXISTING CONDITIONS PRIOR TO CONSTRUCTION AND NOTIFY THE ENGINEER OF ANY DISCREPANCY IMMEDIATELY.
5. THE CONTRACTOR SHALL BE RESPONSIBLE FOR REPAIRS TO ANY UTILITY LINES AND EXISTING IMPROVEMENTS TO REMAIN THAT ARE DAMAGED AS A RESULT OF THE WORK.
6. ALL SECTIONS, DETAILS AND NOTES SHOWN ON THE DRAWINGS ARE INTENDED TO BE TYPICAL AND SHALL APPLY TO SIMILAR SITUATIONS ELSEWHERE, UNLESS OTHERWISE SHOWN.
7. ADJUSTMENT OF PROPOSED GRADES TO MATCH EXISTING ENTRANCES OR OTHER FIELD CONDITIONS MAY BE REQUIRED. THE ENGINEER SHALL BE NOTIFIED PRIOR TO CONSTRUCTION OF GRADE MODIFICATIONS.
8. ALL THE ELEVATIONS, STATIONS, AND OFFSETS SHOWN ON THE PLANS SHALL BE FIELD VERIFIED BY THE CONTRACTOR PRIOR TO CONSTRUCTION.
9. ALL PAVEMENT REMOVALS SHALL BE FULL DEPTH SAW CUT AT THE LIMITS TO BE REMOVED.
10. ACCESS SHALL BE MAINTAINED TO ALL PROPERTIES DURING ALL STAGES OF CONSTRUCTION.
11. EXCESS MATERIAL, IF NOT USED FOR OTHER ON-SITE PURPOSES, SHALL BE COMPLETELY REMOVED FROM THE CONSTRUCTION SITE AND DISPOSED OF OFF-SITE BY THE CONTRACTOR.
12. THE WORK AREA SHALL BE POSITIVELY DRAINED DURING CONSTRUCTION. FINAL GRADES SHALL BE PROTECTED AGAINST DAMAGE FROM EROSION, SEDIMENTATION, AND TRAFFIC.
13. THE OWNER RESERVES THE RIGHT TO REDUCE ANY QUANTITY OR DELETE PAY ITEMS FROM THIS CONTRACT. NO ADDITIONAL COMPENSATION WILL BE ALLOWED.
14. APPLICATION RATES:  
 TEMPORARY EROSION CONTROL SEEDING: 100 LB/ACRE  
 BITUMINOUS MATERIALS (PRIME COAT): 0.50 GAL/SQ YD (GRAVEL SURFACE)  
 BITUMINOUS MATERIALS (PRIME COAT): 0.05 GAL/SQ YD (EXISTING PAVEMENT)  
 BITUMINOUS MATERIAL (PRIME COAT): 0.1 GAL/SQ YD (MILLED SURFACE)  
 BITUMINOUS MATERIAL (PRIME COAT): 0.03 GAL/SQ YD (PAVED SURFACE)  
 NUTRIENTS: 90 LB/ACRE
15. THE CONTRACTOR SHALL USE ANY ON SITE MATERIAL DEEMED SUITABLE BY THE ENGINEER BEFORE ANY NEW FILL IS HAULED TO THE SITE.
16. CONTRACTOR SHALL BE RESPONSIBLE FOR LOCATING ALL EXISTING UNDERGROUND UTILITIES PRIOR TO EXCAVATION.
17. ALL TRENCH BACKFILL SHALL BE COMPACTED ACCORDING TO SECTION 542.04 AND 550.07 OF THE STANDARD SPECIFICATIONS.
18. ON-SITE BURNING OF TREES AND DEBRIS WILL NOT BE ALLOWED. ALL TREES AND LANDSCAPING WASTE SHALL BE REMOVED AND DISPOSED OF IN ACCORDANCE WITH COUNTY ORDINANCE AND REGULATIONS.
19. TEMPORARY EASEMENTS FOR CONSTRUCTION ARE AVAILABLE AT LOCATIONS NOTED IN THE PLANS. THE EASEMENTS CAN BE USED FOR STORAGE OF CONSTRUCTION MATERIALS AND FOR MOVEMENT OF CONSTRUCTION EQUIPMENT IF NECESSARY. THE CONTRACTOR SHALL TAKE PRECAUTIONS TO PREVENT DAMAGE TO PERMANENT FEATURES OF THE LAND. THE CONTRACTOR SHALL BE RESPONSIBLE FOR DAMAGE TO PERMANENT FEATURES. AT THE COMPLETION OF THE CONSTRUCTION ACTIVITIES, THE LAND WITHIN THE TEMPORARY EASEMENT AREA SHALL BE RESTORED TO THE EXISTING CONDITION OF THE PROPERTY.

**UTILITIES**

CILCO-GAS AND ELECTRIC  
 8420 N. UNIVERSITY  
 PEORIA, IL 61615  
 ATTN: DAN URBANIAK (309) 693-4731 (ELECTRIC)  
 WENDY COYLE (309) 693-4875 (GAS)












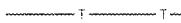


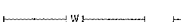









AT&T  
 2315 N. KNOXVILLE AVE  
 PEORIA, IL 61604  
 ATTN: STEVE BATEMAN (309) 686-3330

VERIZON  
 1312 E. EMPIRE ST.  
 P.O. BOX 2955  
 BLOOMINGTON, IL 61702-2955  
 ATTN: TODD WILSON (309) 663-3140

McLEOD USA  
 102 E. SHAFER ST.  
 FORSYTH, IL 62535  
 ATTN: MARK MILLS

GROVELAND TOWNSHIP WATER DISTRICT  
 C/O FARNSWORTH GROUP  
 2709 MCGRAW DR.  
 BLOOMINGTON, IL 61704  
 ATTN: JOE MIKOLECKY (309) 663-8435

**LEGEND**

-  EXISTING MANHOLE
-  EXISTING INLET
-  CONTROL POINT
-  EXISTING TELEPHONE PEDESTAL
-  EXISTING GUY
-  EXISTING POWER POLE
-  EXISTING CULVERT
-  EXISTING SIGN
-  PROPOSED RIP RAP
-  PROPOSED REVETMENT MAT
-  GAS
-  TELEPHONE
-  CABLE TELEVISION
-  FIBER OPTIC
-  WATER
-  PIPE CULVERT
-  PROPOSED STORM SEWER
-  EXISTING STORM SEWER
-  OVERHEAD ELECTRIC
-  FENCE
-  PROPOSED R.O.W.
-  EXISTING R.O.W.
-  PERMANENT EASEMENT
-  TEMPORARY EASEMENT

**UTILITY NOTE**

THE LOCATIONS OF THOSE BURIED AND ABOVEGROUND UTILITIES SHOWN ARE APPROXIMATE, ARE SHOWN FOR CONTRACTOR INFORMATIONAL USE ONLY, AND ARE NOT TO BE REFERENCED FOR CONSTRUCTION PURPOSES. THE IMPLIED PRESENCE OR ABSENCE OF UTILITIES IS NOT TO BE CONSTRUED BY THE OWNER, ENGINEER, CONTRACTOR, OR SUBCONTRACTORS TO BE AN ACCURATE AND COMPLETE REPRESENTATION OF UTILITIES THAT MAY OR MAY NOT EXIST ON THE CONSTRUCTION SITE. BURIED AND ABOVEGROUND UTILITY LOCATION, IDENTIFICATION, AND MARKING ARE THE SOLE RESPONSIBILITY OF THE CONTRACTOR. REROUTING, DISCONNECTION, PROTECTION, ETC. OF ANY UTILITIES MUST BE COORDINATED AMONG THE CONTRACTOR, UTILITY COMPANY, AND OWNER. SITE SAFETY, INCLUDING THE AVOIDANCE OF HAZARDS, ASSOCIATED WITH BURIED AND ABOVEGROUND UTILITIES REMAIN THE SOLE RESPONSIBILITY OF THE CONTRACTOR.

FILE NAME =	USER NAME = Ande02846	DESIGNED - MPB	REVISED -	<b>STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION</b>	<b>GENERAL NOTES AND LEGEND</b>			F.A. RTE.	SECTION	COUNTY	TOTAL SHEET NO.
1:\25\jobs\05p20246\civil\sheet\c-202gen.dgn	DRAWN - RLA	REVISED -	464					07-00014-00-SP	TAZEWELL	44	2
PLOT SCALE = 1:2,3483 1/2 IN.	CHECKED -	REVISED -	CONTRACT NO. 89480								
PLOT DATE = 22/11/2009 11:10 AM	DATE -	REVISED -	FED. ROAD DIST. NO. 7 ILLINOIS FED. AID PROJECT HS 1467-104								
				SCALE: NTS	SHEET NO.	OF	SHEETS	STA.	TO STA.		



DRAINAGE TABLE															
STATION				PIPE CULVERTS, CLASS A, TYPE 2		PRECAST REINFORCED CONCRETE FLARED END SECTION			GRATING FOR CONC. FLARED END SECT.		STORM SEWERS, CLASS A, TYPE 2 30"	MANHOLES, TYPE A, 4' DIAMETER, TYPE 1 FRAME, CLOSED LID	MANHOLES, TYPE A, 5' DIAMETER, TYPE 1 FRAME, CLOSED LID	TRENCH BACKFILL (CU YD)	CONCRETE COLLAR (EACH)
				15" (FOOT)	24" (FOOT)	15" (EACH)	24" (EACH)	30" (EACH)	24" (EACH)	30" (EACH)					
107+55.00	30.80' LT	TO	107+90.00	33.00' LT	35		2						3.8		
108+00.00	25.00' RT	TO	108+00.00	25.50' LT	50.5		2						10.2		
108+25.00	30.00' LT	TO	110+25.00	36.50' LT				1		198					
110+25.00	36.50' LT	TO	112+60.00	40.00' LT						223		1			
112+85.00	41.75' LT	TO	114+35.00	40.00' LT		150		1							
114+48.00	47.40' RT	TO	114+28.50	57.30' RT		22		1							
114+48.00	47.40' RT	TO	115+47.67	41.80' LT							1				
115+67.67	42.10' LT	TO	115+47.67	41.80' LT		20		1						1	
TOTAL					85.5	192	4	3	2	421	1	1	13.9	1	

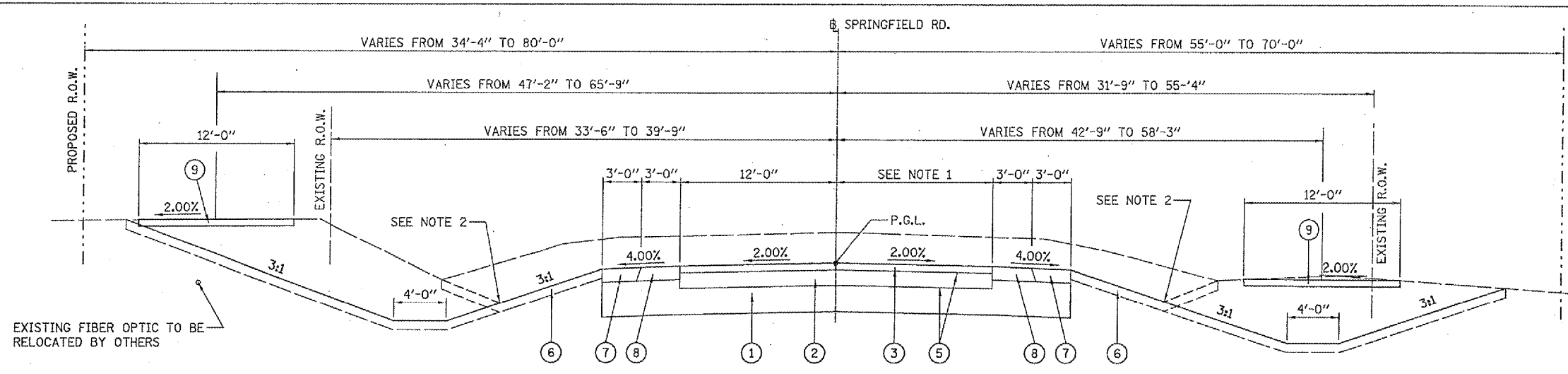
PAVEMENT MARKING TABLE													
STATION				THERMOPLASTIC PAVEMENT MARKING				RAISED REFLECTIVE PAVEMENT MARKERS					
				LETTER & SYMBOLS (SQ FT)	4" YELLOW (FOOT)	4" WHITE (FOOT)	12" YELLOW (FOOT)	12" WHITE (FOOT)	24" WHITE (FOOT)	ONE-WAY CRYSTAL (EACH)	TWO-WAY AMBER (EACH)	ONE-WAY AMBER (EACH)	
103+20.00	12.00' LT	TO	114+91.39	151.22' LT									
103+20.00	12.00' RT	TO	114+60.12	172.16' RT		1268							
103+20.00	CL	TO	107+48.99	CL	858					10			
115+15.99	148.71' LT	TO	115+87.40	21.33' LT		167							
114+91.83	175.40' RT	TO	115+87.90	19.97' RT		208							
107+48.99	CL	TO	113+25.23	CL							30		
113+25.23	CL	TO	114+57.24	CL						6			
113+25.00	12.00' RT	TO	114+57.24	12.00' RT				4					
114+71.88	173.37' RT	TO	114+84.83	41.93' RT						2			
114+84.49	174.61' RT	TO	114+97.44	43.07' RT				4					
115+03.43	150.00' LT	TO	114+91.79	39.55' LT						2			
115+33.98	9.45' LT	TO	115+87.37	9.33' LT		53				1			
115+32.95	2.54' RT	TO	115+87.34	2.67' RT		109		1					
107+48.99	CL	TO	114+57.00	CL		1416							
107+48.99	CL	TO	111+70.00	12.00' RT		842							
111+70.00	12.00' RT	TO	114+57.00	CL		310							
108+69.04	RT	TO	112+70.31	RT			141						
113+25.00	12.00' RT	TO	114+76.56	12.00' RT		162							
114+57.23	CL	TO	114+57.24	12.00' RT						12			
114+40.07	45.14' RT	TO	114+56.46	29.31' RT						23			
114+40.00	12.00' RT	TO	114+72.02	56.28' RT		55							
114+51.62	RT	TO	114+72.02	RT			43						
114+72.02	56.28' RT	TO	114+76.56	11.94' RT		45							
115+03.43	150.00' LT	TO	114+91.79	39.55' LT		222							
114+92.46	39.55' LT	TO	114+79.83	39.55' LT						13			
114+73.67	44.01' LT	TO	114+79.83	39.55' LT						8			
115+08.61	46.70' LT	TO	115+04.18	9.62' LT		37							
115+08.61	46.70' LT	TO	115+33.98	9.50' LT		45							
115+08.17	LT	TO	115+25.56	LT			43						
115+04.18	9.52' LT	TO	115+33.98	9.50' LT		30							
115+25.74	20.51' LT	TO	115+41.53	38.59' LT						24			
115+32.95	2.54' RT	TO	115+34.98	9.45' LT		45				12			
114+84.83	41.93' RT	TO	114+71.88	173.37' RT		264							
114+97.44	43.07' RT	TO	114+84.49	174.61' RT			132						
114+84.83	41.93' RT	TO	114+98.04	41.93' RT						13			
115+03.91	34.59' RT	TO	115+21.02	47.79' RT						22			
113+29.75	21.89' RT	TO			15.6								
113+95.12	21.46' RT	TO			15.6								
114+37.35	31.21' RT	TO			15.6								
113+29.85	2.56' RT	TO			26.0								
114+43.15	2.84' RT	TO			26.0								
114+86.49	56.18' RT	TO			26.0								
115+09.79	54.23' RT	TO			15.6								
115+45.37	1.33' RT	TO			26.0								
115+43.58	23.58' LT	TO			15.6								
114+76.99	155.75' RT	TO			26.0								
114+94.58	157.37' RT	TO			15.6								
TOTAL					223.6	4066	3454	141	86	126	9	21	30

EROSION CONTROL TABLE							
STATION		EROSION CONTROL BLANKET (SQ YD)	TEMPORARY DITCH CHECKS (EACH)	INLET AND PIPE PROTECTION (EACH)	FENCE (EROSION CONTROL) (FOOT)		
						103+50.00	LT
104+00.00	LT		1				
105+20.00	LT		1				
105+80.50	LT		1				
106+30.00	LT		1				
106+70.00	LT		1				
107+08.00	LT		1				
107+46.00	LT		1				
104+40.00	RT		1				
105+15.00	RT		1				
105+87.50	RT		1				
106+63.00	RT		1				
107+01.00	RT		1				
107+39.00	RT		1				
107+55.00	LT			1			
107+77.00	RT		1				
108+25.00	LT			1			
108+00.00	RT			1			
112+79.75	LT			1			
112+19.92	LT TO	114+50.00	LT		230		
115+47.08	LT TO	115+87.95	LT		110		
115+67.67	LT			1			
103+50.00	LT TO	113+00.00	LT	3670			
103+50.00	RT TO	113+00.00	RT	3022			
102+50.00	RT TO	108+50.00	RT		600		
109+70.00	RT TO	114+30.00	RT		560		
TOTAL				6892	15	5	1500

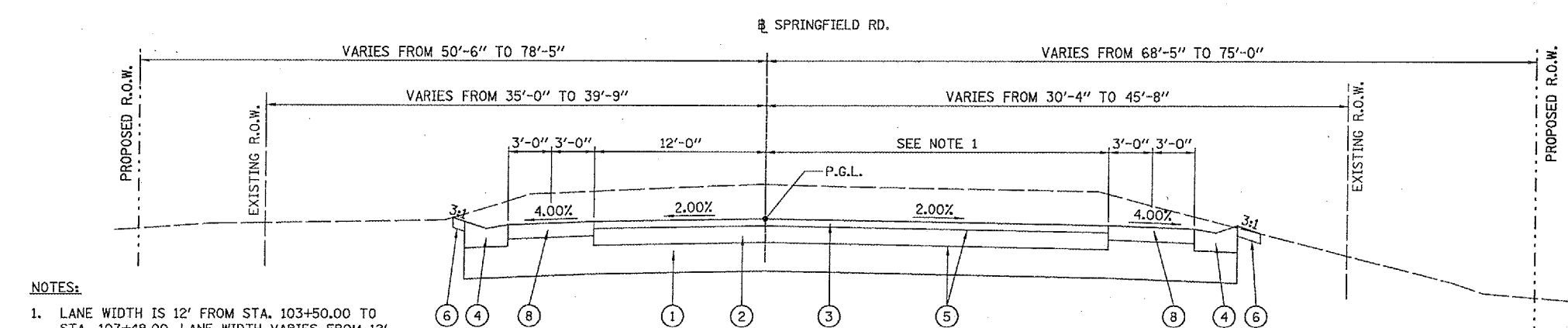
PAVING TABLE																					
STATION				PAVT AREA (SQ FT)	PAVED SHLDR AREA (SQ FT)	AGG SHLDR AREA (SQ FT)	SUBBASE GRANULAR MATERIAL, TY A (TON)	AGGREGATE SURFACE COURSE, TY B (TON)	BITUMINOUS MATERIALS (PRIME COAT) (GALLON)	POLYMERIZED HMA ASPHALT BINDER CSE, IL-19.0, N50 (TON)	POLYMERIZED HMA ASPHALT SURFACE COURSE, MIX "C", N50 (TON)	HMA SHOULDERS 6" (TON)	AGGREGATE SHOULDERS, TYPE A (TON)	CONCRETE GUTTER (SPECIAL) (FOOT)	GUTTER OUTLET (EACH)	ISLAND PAVEMENT(8") (SQ YD)	CC&G M-6.06 (FOOT)	CC&G M-6.24 (FOOT)	TEMPORARY RAMP (SQ YD)	PROTECTIVE COAT (SQ YD)	
102+40.40	33.10' RT	TO	108+55.50	44.50' RT	7431																
102+52.00	39.70' LT	TO	108+46.40	54.20' LT	7144																
103+20.00		TO	103+50.00		720																
103+50.00		TO	107+49.00		9576																
103+50.00	18.00' LT	TO	107+55.00'	18.00' LT		1203	1219														
103+50.00	18.00' RT	TO	108+49.86	20.20' RT		1479	1495														
107+49.00		TO	111+69.00		12252			1500.7													
107+70.00	12.00' LT	TO	108+50.00	141.70' LT	2266			115.3													
108+62.05	14.50' RT	TO	108+67.00	73.70' RT	872			44.4													
107+85.00	18.00' LT	TO	112+36.23	18.00' LT		2500	200														
108+75.00	20.75' RT	TO	112+35.68	30.00' RT		2143															116.7
111+69.00		TO	113+00.00		4736			533.4													108.3
112+36.23	18.00' LT	TO	114+81.73	68.52' LT		801	787														
112+35.68	30.00' RT	TO	114+60.12	172.16' RT		1025	1095														
113+00.00		TO	115+87.35		25388			29.9													
113+88.00	16.00' LT	TO	114+78.00	66.40' LT	538			40.9													
114+17.00	29.20' RT	TO	114+57.20	77.10' RT	469			35.6													
115+16.00	148.70' LT	TO	115+87.41	27.33' LT		495	480														
115+16.00	148.70' LT	TO	115+59.00	27.40' LT	586			44.5													
			TOTAL					3562.9	553.3	2784.5	1226.4	1041.8	360.1	200.3	675.0	2.0	32.2	51.9	102.1	90.4	225.0

EARTHWORK TABLE														
STATION				SEEDING AREA FROM XS (SQ YD)	DISTURBED AREA (SQ YD)	EARTH EXCAVATION (CU YD)	TOPSOIL EXCAVATION AND PLACEMENT, 4" (SQ YD)	SEEDING CLASS 2 (ACRE)	NITROGEN FERTILIZER NUTRIENT (POUND)	PHOSPHOROUS FERTILIZER NUTRIENT (POUND)	POTASSIUM FERTILIZER NUTRIENT (POUND)	MULCH METHOD 2 (ACRE)	TEMPORARY SEEDING (POUND)	
STATION	OFFSET		STATION	OFFSET										
102+50.00	LEFT	TO	103+50.00	LEFT	486			0.1	9	9	9	0.1	20	
102+40.00	RIGHT	TO	103+50.00	RIGHT	516			0.1	10	10	10	0.1	20	
102+50.00	LEFT	TO	108+45.00	LEFT		2673	2673.0							
102+40.00	RIGHT	TO	108+55.00	RIGHT		2444	2444.0							
103+50.00	LEFT	TO	113+00.00	LEFT	5463			1.1	102	102	102	1.1	220	
103+50.00	RIGHT	TO	113+00.00	RIGHT	5647			1.2	105	105	105	1.2	240	
108+60.00	LEFT	TO	114+80.00	LEFT		3034	3034.0							
108+70.00	RIGHT	TO	114+55.00	RIGHT		2960	2960.0							
103+50.00		TO	113+00.00				16734.6							
112+85.00	LEFT	TO	114+35.00	LEFT		900	900.0							
			TOTAL				16734.6	12011.0	2.5	225.2	225.2	225.2	2.5	500

REMOVAL TABLE											
STATION				TREE REMOVAL		HMA SURFACE REMOVAL JOINT (SQ YD)	HMA SURFACE REMOVAL (COLD MILLING) (SQ YD)	PAVEMENT REMOVAL (SQ YD)	BITUMINOUS DRIVEWAY REMOVAL (SQ YD)	PAVED DITCH REMOVAL (FOOT)	PIPE CULVERT REMOVAL (FOOT)
				6 TO 15 UNITS	>15 UNITS						
108+97.50	52.40' LT			14							
103+20.00		TO	103+50.00			80					
103+50.00		TO	113+00.00					3553			
113+00.00		TO	115+87.41				2834				
108+52.00	16.20' LT	TO	108+49.00	141.70' LT					195		
108+62.05	16.50' RT	TO	108+67.60	73.60' RT					89		
108+64.98	21.00' LT	TO	112+72.87	40.00' LT						410	
107+92.38	28.50' LT	TO	107+92.45	38.64' RT							67
114+47.00	17.00' RT	TO	114+70.12	17.00' RT				38			
115+10.70	13.50' LT	TO	115+29.88	13.50' LT				27			
110+03.50	45.7' RT			15							
110+44.90	49.6' RT				28						
110+85.40	52.2' RT			15							
110+88.20	63.7' RT			15							
110+95.20	50.5' RT			15							
			TOTAL	74	28	80	2834	3618	284	410	67

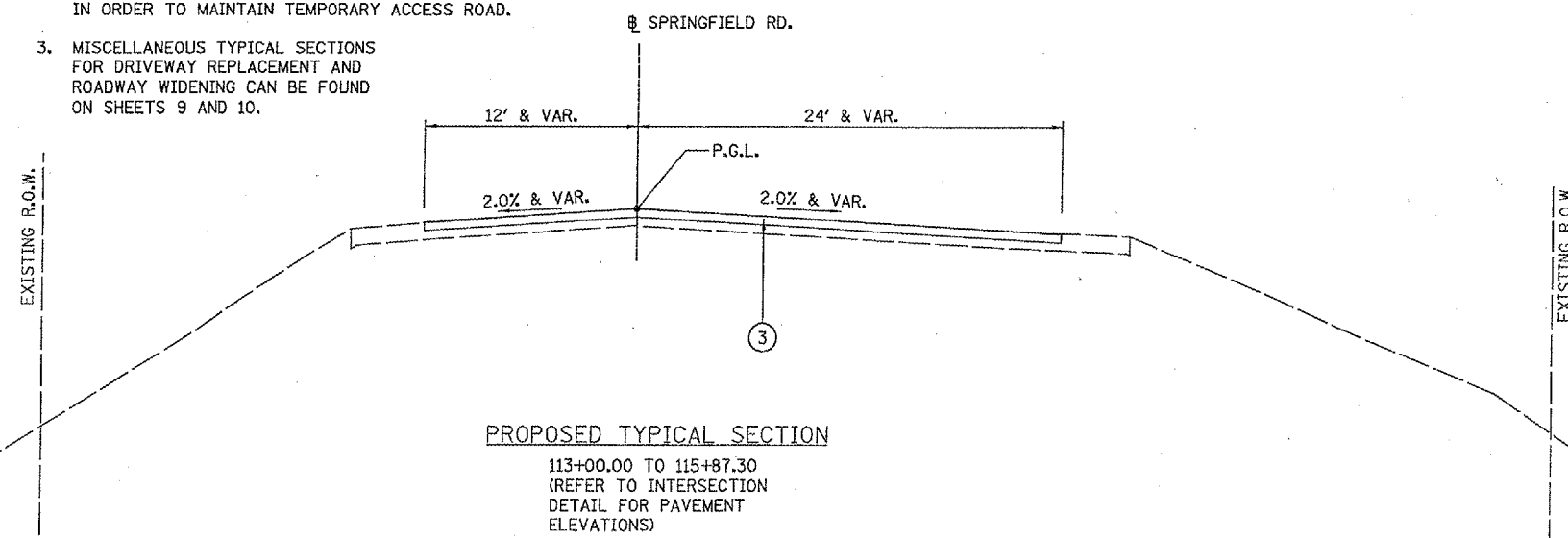


**PROPOSED TYPICAL SECTION**  
 103+50.00 TO 108+64.50  
 112+36.00 TO 113+00.00



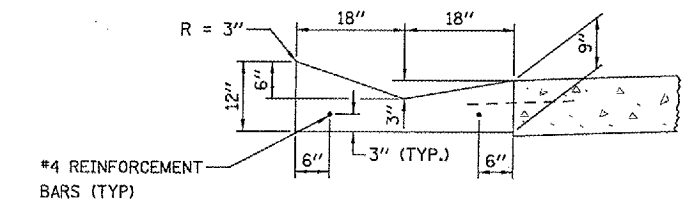
**PROPOSED TYPICAL SECTION**  
 108+64.50 TO 112+36.00

- NOTES:**
- LANE WIDTH IS 12' FROM STA. 103+50.00 TO STA. 107+49.00. LANE WIDTH VARIES FROM 12' TO 24' FROM STA. 107+49.00 TO STA. 111+49.00. LANE WIDTH IS 24' FROM STA. 111+49.00 TO STA. 113+00.00
  - GRADE TEMPORARY DITCHES TO DRAIN PAVEMENT IN ORDER TO MAINTAIN TEMPORARY ACCESS ROAD.
  - MISCELLANEOUS TYPICAL SECTIONS FOR DRIVEWAY REPLACEMENT AND ROADWAY WIDENING CAN BE FOUND ON SHEETS 9 AND 10.



**PROPOSED TYPICAL SECTION**  
 113+00.00 TO 115+87.30  
 (REFER TO INTERSECTION  
 DETAIL FOR PAVEMENT  
 ELEVATIONS)

- LEGEND**
- 12" PROPOSED SUBBASE GRANULAR MATERIAL, TYPE A
  - 7" PROPOSED POLYMERIZED HOT-MIX ASPHALT BINDER COURSE, IL-19.0, N50
  - 3" PROPOSED POLYMERIZED HOT-MIX ASPHALT SURFACE COURSE, MIX "C", N50
  - PROPOSED CONCRETE GUTTER (SPECIAL)
  - PROPOSED BITUMINOUS MATERIALS (PRIME COAT)
  - 4" PROPOSED TOPSOIL, EXCAVATION AND PLACEMENT
  - AGGREGATE SHOULDER, TYPE A (6")
  - HMA SHOULDER, (6")
  - AGGREGATE SURFACE COURSE, TYPE A, 6"



**CONCRETE GUTTER (SPECIAL)**

**STRUCTURAL DESIGN TRAFFIC: YEAR 2028**

PV = 88% SU = 9% MU = 3%

ROAD/STREET CLASSIFICATION: CLASS II

P = 50% S = 50% M = 50%

TRAFFIC FACTOR: ACTUAL TF = 0.864 AC TYPE =

MINIMUM TF =

AC GRADE: Binder = 70-22 Surface = 70-22

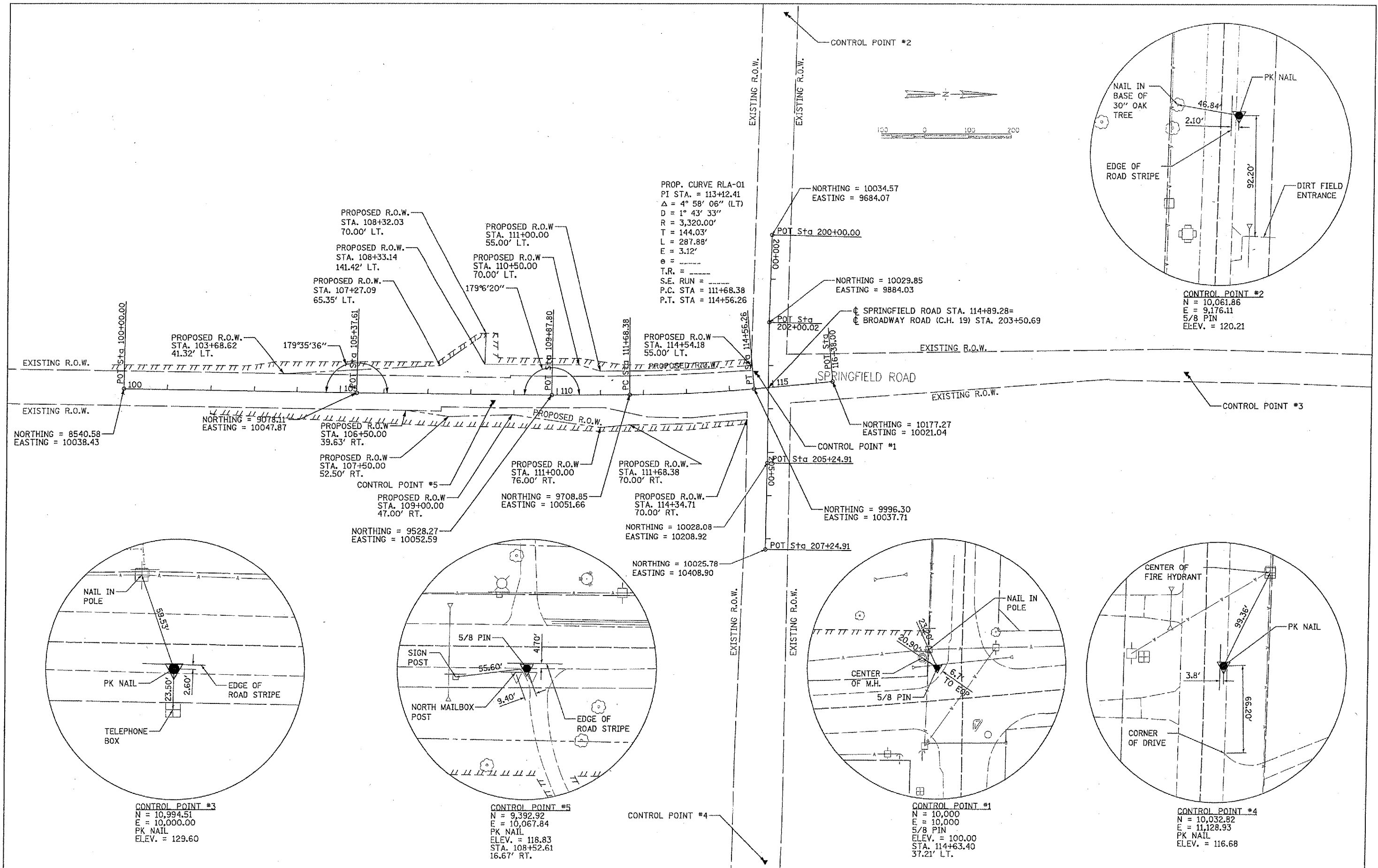
SUBGRADE SUPPORT RATING:

SSR = POOR (STA. 103+50.00 TO 113+00.00)

SSR = (STA. TO )

**BITUMINOUS MIXTURE REQUIREMENTS**  
 THE FOLLOWING MIXTURE REQUIREMENTS ARE APPLICABLE FOR THIS PROJECT:

MIXTURE USE(S):	SURFACE COURSE LIFTS	LOWER BINDER COURSE LIFTS	TOP BINDER COURSE LIFT	HMA SHOULDERS (SURFACE LIFT)	HMA SHOULDERS (LOWER LIFT)
AC/PG:	SBS/SBR PG 70-28	PG 64-22	SBS/SBR PG 70-28	PG 64-22	PG 64-22
RAP% (MAX.):	10%	25%	10%	30%	30%
DESIGN AIR VOIDS:	4.0% @ N-50	4.0% @ N-50	4.0% @ N-50	3.0% @ N-30	4.0% @ N-30
MIXTURE COMPOSITION: (GRADATION MIXTURE)	IL 9.5 OR IL 12.5	IL 19.0	IL 19.0	IL 9.5L	IL 19.0L
FRICITION AGGREGATE:	MIXTURE D	N/A	N/A	MIXTURE C	N/A



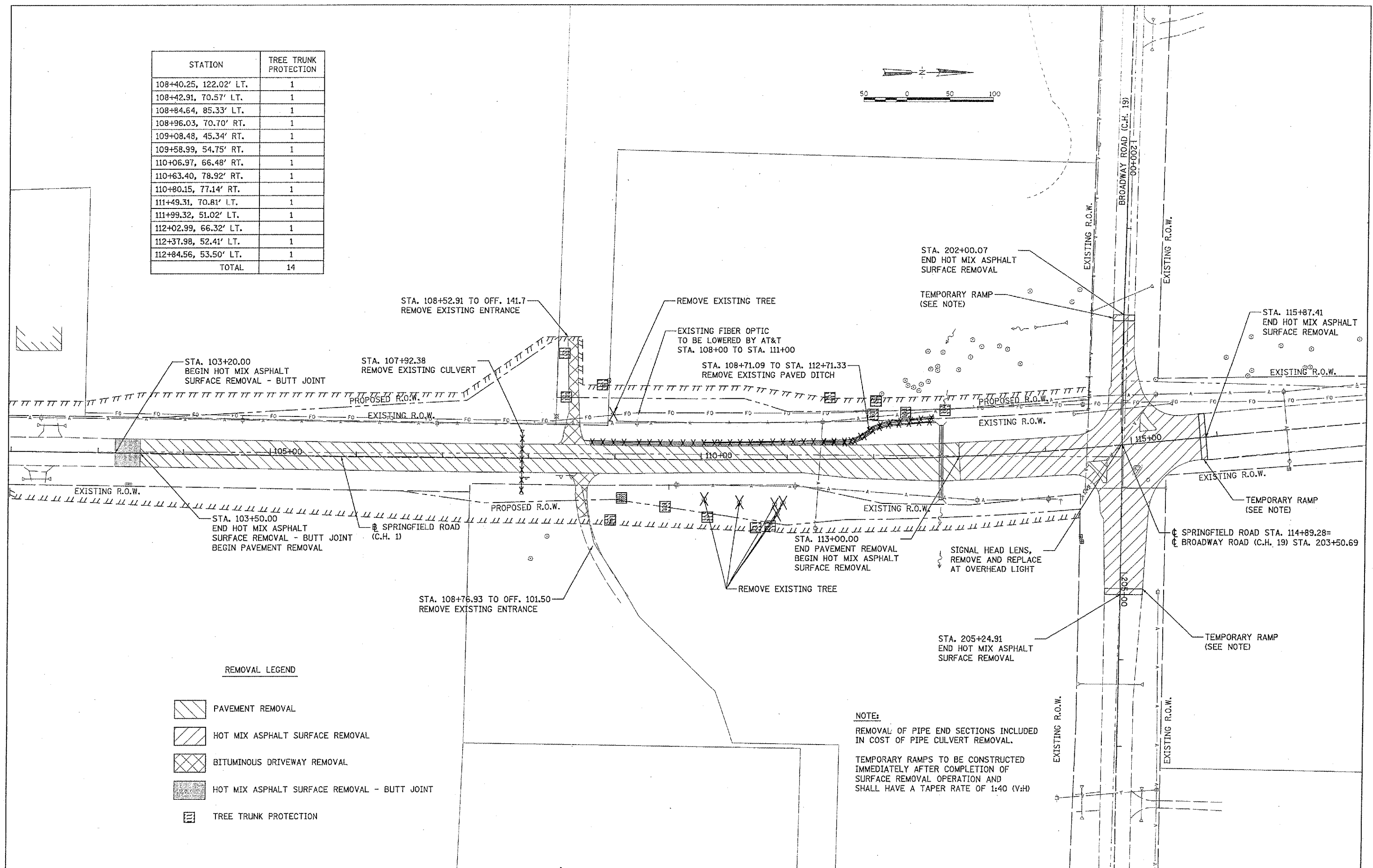
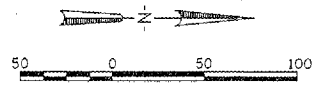
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PLCT DATE = 82/14/2028, 11:19 AM	DATE -		REVISED -

STATE OF ILLINOIS	ALIGNMENT, TIES, AND BENCHMARKS
DEPARTMENT OF TRANSPORTATION	

SCALE: 1:100	SHEET NO. OF SHEETS	STA. TO STA.
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F.A. RTE. 464	SECTION 07-00014-00-SP	COUNTY TAZEWELL	TOTAL SHEETS 44	SHEET NO. 7
CONTRACT NO. 89480				FED. ROAD DIST. NO. 7 ILLINOIS FED. AID PROJECT HS 1467-104

STATION	TREE TRUNK PROTECTION
108+40.25, 122.02' LT.	1
108+42.91, 70.57' LT.	1
108+84.64, 85.33' LT.	1
108+96.03, 70.70' RT.	1
109+08.48, 45.34' RT.	1
109+58.99, 54.75' RT.	1
110+06.97, 66.48' RT.	1
110+63.40, 78.92' RT.	1
110+80.15, 77.14' RT.	1
111+49.31, 70.81' LT.	1
111+99.32, 51.02' LT.	1
112+02.99, 66.32' LT.	1
112+37.98, 52.41' LT.	1
112+84.56, 53.50' LT.	1
TOTAL	14



**REMOVAL LEGEND**

- PAVEMENT REMOVAL
- HOT MIX ASPHALT SURFACE REMOVAL
- BITUMINOUS DRIVEWAY REMOVAL
- HOT MIX ASPHALT SURFACE REMOVAL - BUTT JOINT
- TREE TRUNK PROTECTION

**NOTE:**  
 REMOVAL OF PIPE END SECTIONS INCLUDED IN COST OF PIPE CULVERT REMOVAL.  
 TEMPORARY RAMPS TO BE CONSTRUCTED IMMEDIATELY AFTER COMPLETION OF SURFACE REMOVAL OPERATION AND SHALL HAVE A TAPER RATE OF 1:40 (V:H)

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**STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION**

**REMOVAL PLAN**

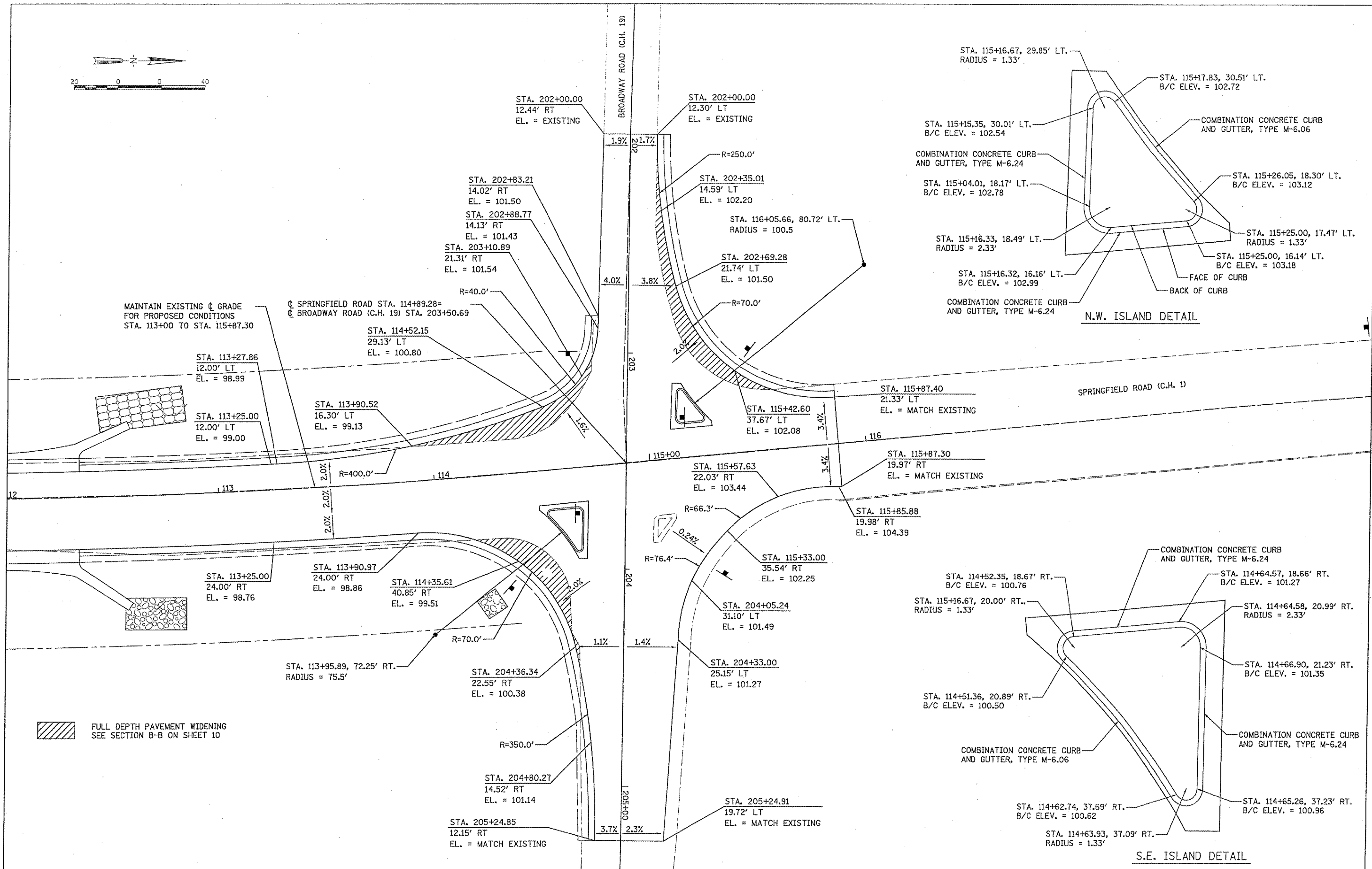
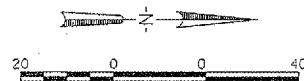
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464	07-00014-00-SP	TAZEWELL	44	8
FED. ROAD DIST. NO. 7 ILLINOIS FED. AID PROJECT			CONTRACT NO. 89480	
			HS 1467-104	







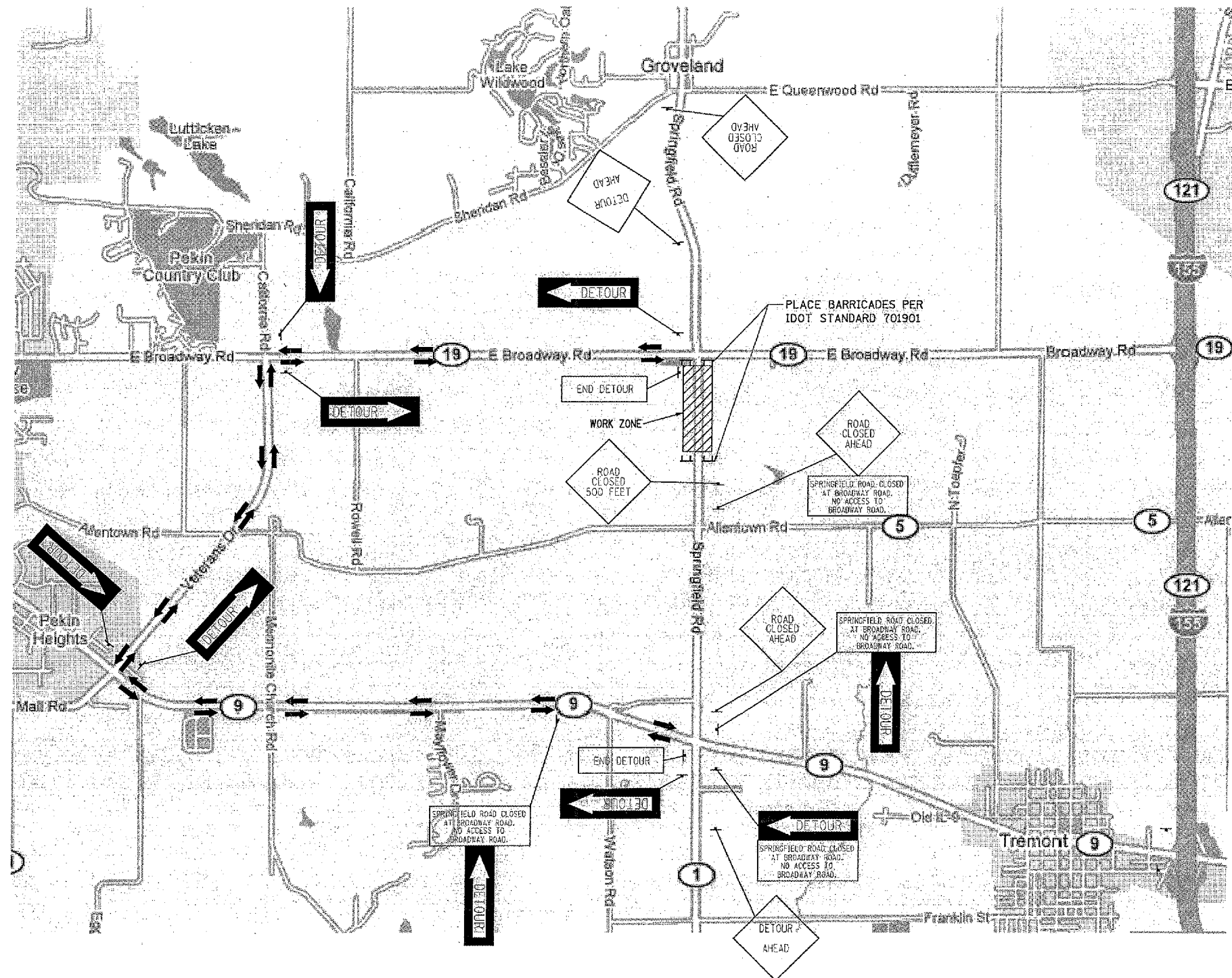


MAINTAIN EXISTING  $\phi$  GRADE FOR PROPOSED CONDITIONS STA. 113+00 TO STA. 115+87.30

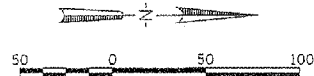
$\phi$  SPRINGFIELD ROAD STA. 114+89.28=  
 $\phi$  BROADWAY ROAD (C.H. 19) STA. 203+50.69

FULL DEPTH PAVEMENT WIDENING SEE SECTION B-B ON SHEET 10

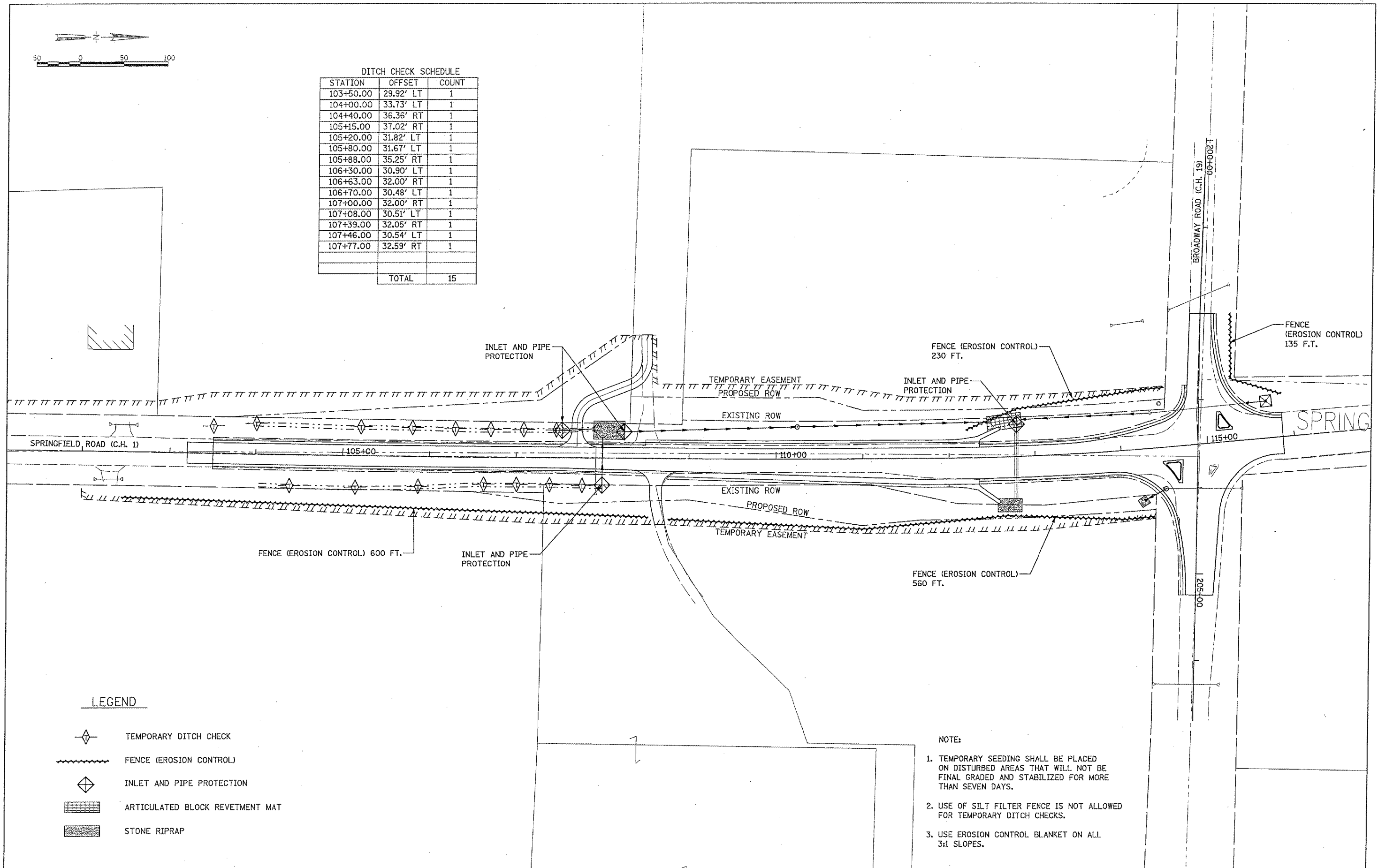
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		CHECKED -	REVISED -									CONTRACT NO. 89480			
		DATE -	REVISED -									FED. ROAD DIST. NO. 7 ILLINOIS FED. AID PROJECT HS 1467-104			



FILE NAME =	USER NAME = Ander30848	DESIGNED - MPB	REVISED -	<b>STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION</b>	<b>DETOUR PLAN</b>			F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.		
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		CHECKED -	REVISED -		CONTRACT NO. 89480									
		DATE - 22/14/2009, 11:11 AM	REVISED -		FED. ROAD DIST. NO. 7 ILLINOIS FED. AID PROJECT HS 1467-104									



DITCH CHECK SCHEDULE		
STATION	OFFSET	COUNT
103+50.00	29.92' LT	1
104+00.00	33.73' LT	1
104+40.00	36.36' RT	1
105+15.00	37.02' RT	1
105+20.00	31.82' LT	1
105+80.00	31.67' LT	1
105+88.00	35.25' RT	1
106+30.00	30.90' LT	1
106+63.00	32.00' RT	1
106+70.00	30.48' LT	1
107+00.00	32.00' RT	1
107+08.00	30.51' LT	1
107+39.00	32.05' RT	1
107+46.00	30.54' LT	1
107+77.00	32.59' RT	1
TOTAL		15



**LEGEND**

- TEMPORARY DITCH CHECK
- FENCE (EROSION CONTROL)
- INLET AND PIPE PROTECTION
- ARTICULATED BLOCK REVETMENT MAT
- STONE RIPRAP

- NOTE:**
- TEMPORARY SEEDING SHALL BE PLACED ON DISTURBED AREAS THAT WILL NOT BE FINAL GRADED AND STABILIZED FOR MORE THAN SEVEN DAYS.
  - USE OF SILT FILTER FENCE IS NOT ALLOWED FOR TEMPORARY DITCH CHECKS.
  - USE EROSION CONTROL BLANKET ON ALL 3:1 SLOPES.

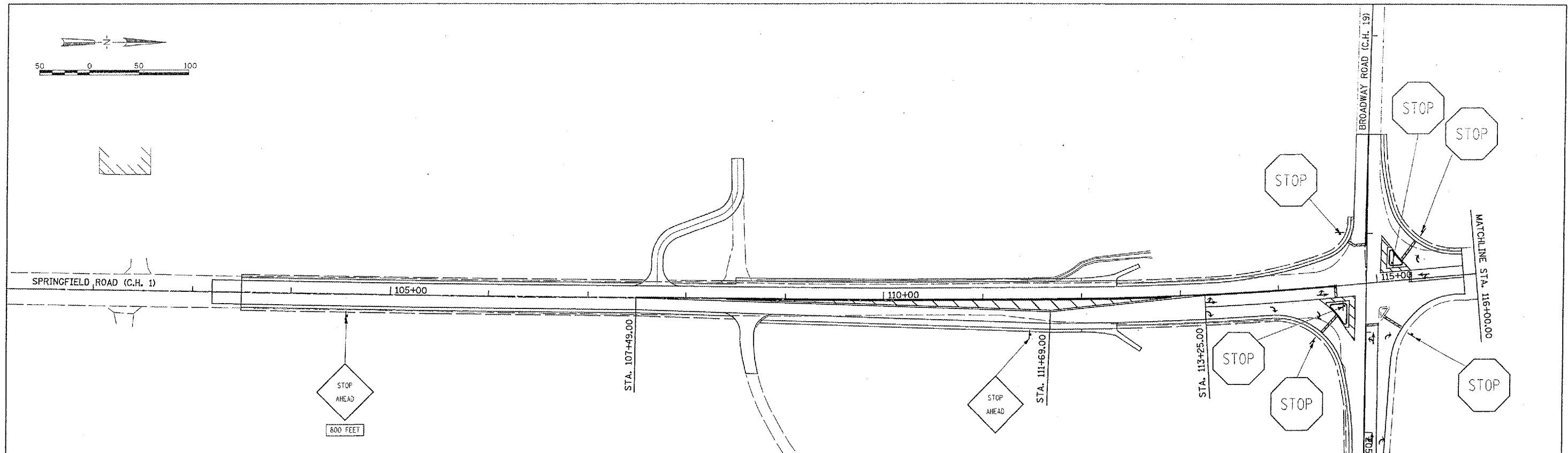
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**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**EROSION CONTROL PLAN**

SCALE: 1:50 SHEET NO. OF SHEETS STA. TO STA.

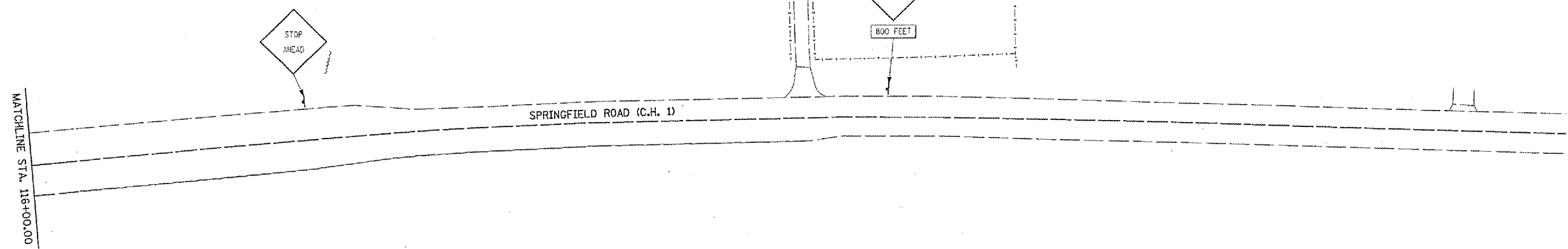
F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
464	07-00014-00-SP	TAZEWELL	44	13
CONTRACT NO. 89480			HS 1467-104	
FED. ROAD DIST. NO. 7 ILLINOIS FED. AID PROJECT				

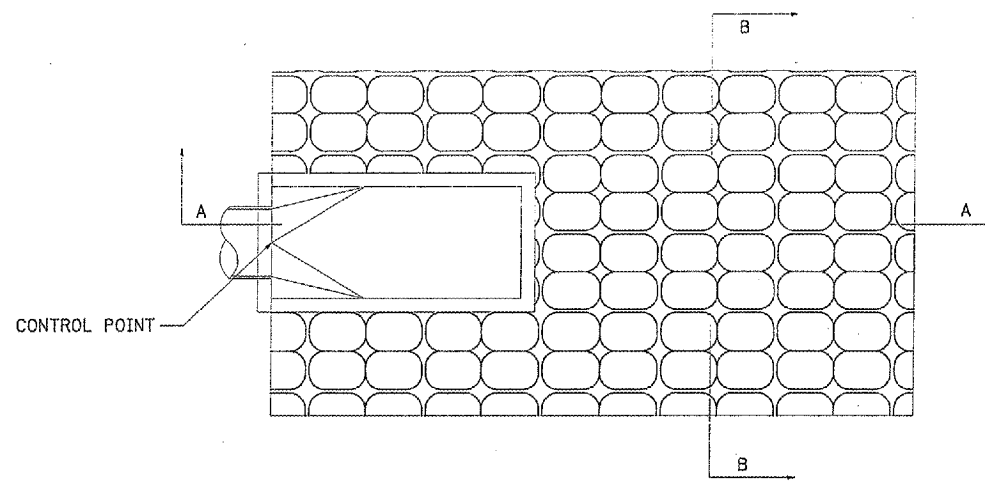


SIGN PANEL							
STATION	SIGN	MUTCD CODE	DIMENSIONS	SOLAR-POWERED FLASHING BEACON ASSEMBLY (EACH)	SIGN PANEL TYPE 1 (SQ FT)	TELESCOPING STEEL SIGN SUPPORT (FEET)	ELECTRICAL POWERED BEACON (EACH)
104+55.00	24.00' RT	STOP AHEAD	3' X 3'	1	9.0	10	
104+55.00	24.00' RT	800 FEET	2' X 1.5'		3.0		
111+50.00	38.20' RT	STOP AHEAD	3' X 3'	1	9.0	10	
114+30.00	52.50' RT	STOP SIGN	2.5' X 2.5'		6.3	10	
114+62.50	21.50' RT	STOP SIGN	2.5' X 2.5'		6.3	10	1
114+65.00	53.80' LT	STOP SIGN	2.5' X 2.5'		6.3	10	
115+17.50	18.50' LT	STOP SIGN	2.5' X 2.5'		6.3	10	1
115+30.00	56.00' RT	STOP SIGN	2.5' X 2.5'		6.3	10	
115+50.00	47.00' LT	STOP SIGN	2.5' X 2.5'		6.3	10	
118+35.00	32.00' LT	STOP AHEAD	3' X 3'	1	9.0	10	
123+30.00	23.40' LT	STOP AHEAD	3' X 3'	1	9.0	10	
123+30.00	23.40' LT	800 FEET	2' X 1.5'		3.0		
TOTAL				4	79.8	100	2

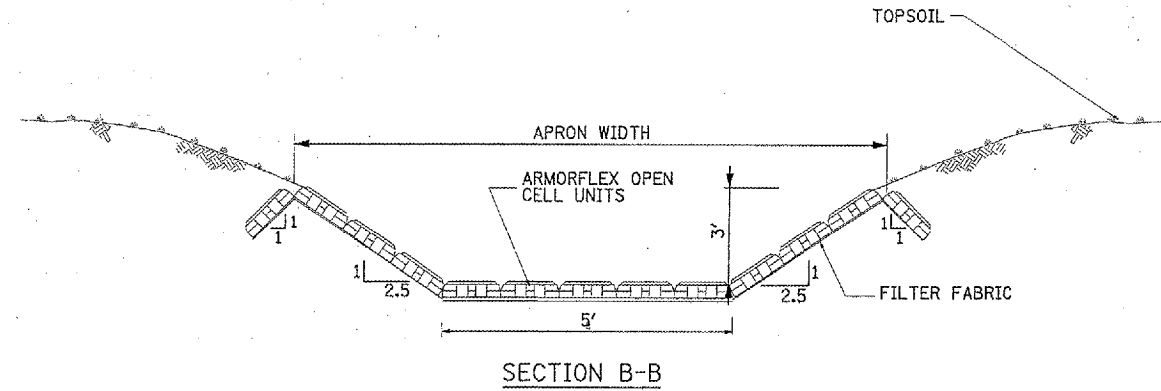
\*SEE SPECIAL PROVISION FOR "FLASHING BEACON ASSEMBLY (COMPLETE)"

- NOTE:
- SEE SCHEDULE OF QUANTITIES FOR LOCATION OF PROPOSED PAVEMENT MARKINGS AND RAISED REFLECTIVE PAVEMENT MARKERS.
  - FLASHING BEACONS TO BE HARD WIRED TO NEW STOP SIGNS LOCATED IN THE PROPOSED CORNER ISLANDS ADJACENT TO SPRINGFIELD ROAD. SEE SPECIAL PROVISIONS FOR CONSTRUCTION REQUIREMENTS.

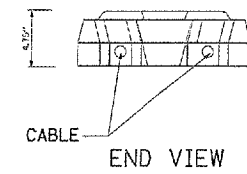
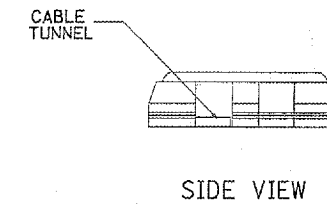
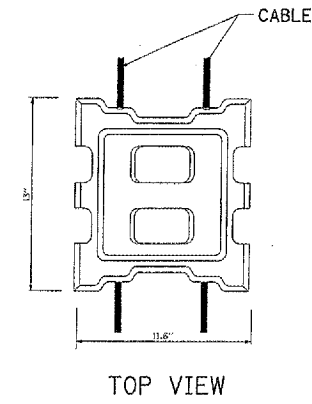
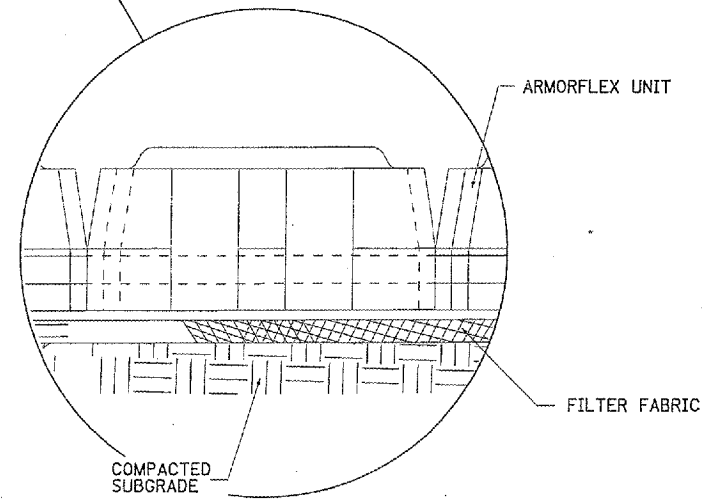
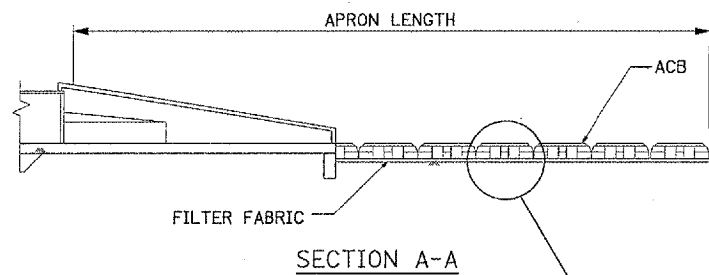




PLAN - CULVERT OUTLET PARALLEL TO CHANNEL



FROM		TO		CULV. SIZE	MAT LENGTH	MAT WIDTH	QUANTITY	FILTER FABRIC
STA	OFFSET	STA	OFFSET					
112+45.00	40.00' LT.	112+85.00	44.00' LT.	30" DIA.	40.0'	21.0'	93	93



UNIT BLOCK WEIGHT: 31-33 LBS.

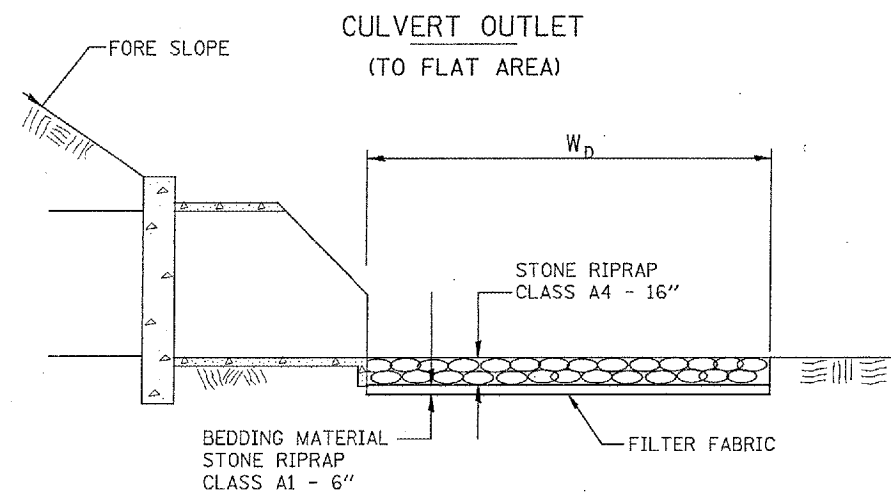
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STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

ARTICULATED BLOCK REVETMENT MAT DETAIL

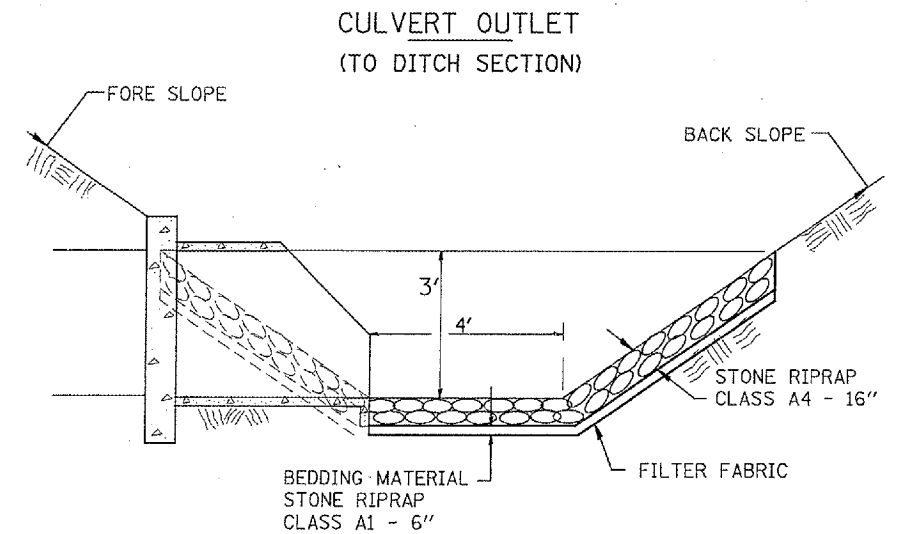
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F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
464	07-00014-00-SP	TAZEWELL	44	15
CONTRACT NO. 89480				
FED. ROAD DIST. NO. 7 ILLINOIS FED. AID PROJECT				HS 1467-104



LOCATION STA TO STA	WIDTH (1) (FEET)	LENGTH (FEET)	STONE RIPRAP		FILTER FABRIC (SQ YD)
			CLASS A1 (TON)	CLASS A4 (TON)	
112+55 TO 112+83, RT	15'	28'	11.7	31.0	47.0
114+15 TO 114+29, RT	10'	10'	2.8	7.4	11.0
TOTAL					

(1) WIDTH =  $W_D$



LOCATION STA TO STA	WIDTH (1) (FEET)	LENGTH (FEET)	STONE RIPRAP		FILTER FABRIC (SQ YD)
			CLASS A1 (TON)	CLASS A4 (TON)	
107+90 TO 108+25, L	20'	35'	19.4	51.7	78.0
TOTAL					

FILE NAME =	USER NAME = Ander-2024S	DESIGNED - MPB	REVISED -
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**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**STONE RIPRAP DETAIL**

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

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
464	07-00014-00-SP	TAZEWELL	44	16
CONTRACT NO. 89480				
FED. ROAD DIST. NO. 7 ILLINOIS FED. AID PROJECT				HS 1467-104



**CONSTRUCTION NOTES:**

1. THE EXISTING FLASHING BEACON ASSEMBLY SHALL REMAIN IN OPERATION DURING THE INSTALLATION OF THE PROPOSED FLASHING BEACON INSTALLATION.
2. ANY MAINTENANCE OF THE EXISTING FLASHING BEACON INSTALLATION WILL BE CONSIDERED EXTRA WORK IN ACCORDANCE WITH ARTICLE 109.04 OF THE STANDARD SPECIFICATIONS
3. THE LOCATION OF ALL UTILITIES AND PRIVATELY OWNED FACILITIES SHALL BE FIELD VERIFIED BY THE CONTRACTOR PRIOR TO THE INSTALLATION OF ANY COMPONENTS.
4. ELECTRICAL WORK SHALL CONFORM TO NATIONAL, STATE, AND LOCAL CODES.
5. ALL PROPOSED FLASHING BEACON SIGNAL HEADS, CONTROLLER CABINETS, AND METALLIC CONDUITS SHALL BE GROUNDED IN ACCORDANCE WITH NEC REQUIREMENTS. THIS WORK WILL BE PAID AS ELECTRIC CABLE IN CONDUIT, GROUNDING, NO. 6, 1/C.
6. ALL TRAFFIC SIGNAL SECTIONS SHALL HAVE 12 9/32 SINGLE LED LENSES.
7. PROPOSED HANDHOLES SHALL BE CAST IN PLACE CONCRETE HANDHOLES.
8. THE HANDHOLE SHALL BE CONSTRUCTED SO THAT THE TOP OF THE FRAME WILL BE FLUSH WITH THE SURFACE OF THE MEDIAN, SIDEWALK, OR GROUND LINE.
9. COILABLE POLYETHYLENE DUCT MAY BE SUBSTITUTED FOR PVC CONDUIT PUSHED OR TRENCHED.
10. THE LOCATIONS FOR HANDHOLES ARE PROVIDED FOR REFERENCE ONLY. THE ENGINEER SHALL BE NOTIFIED FOR LOCATION VERIFICATION BEFORE INSTALLATION.

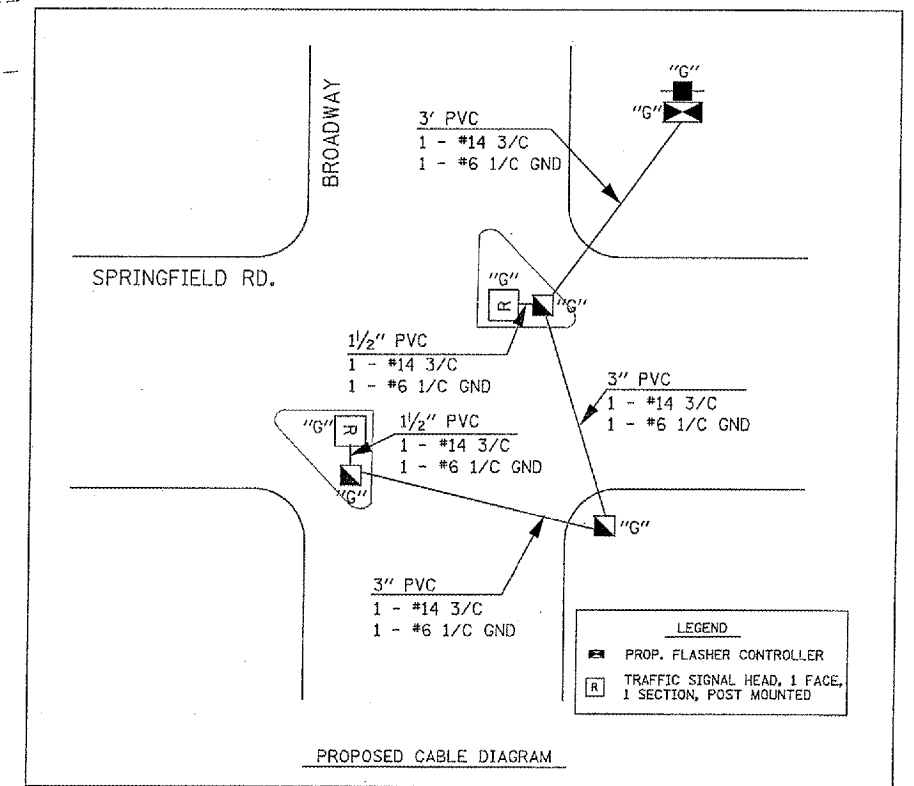
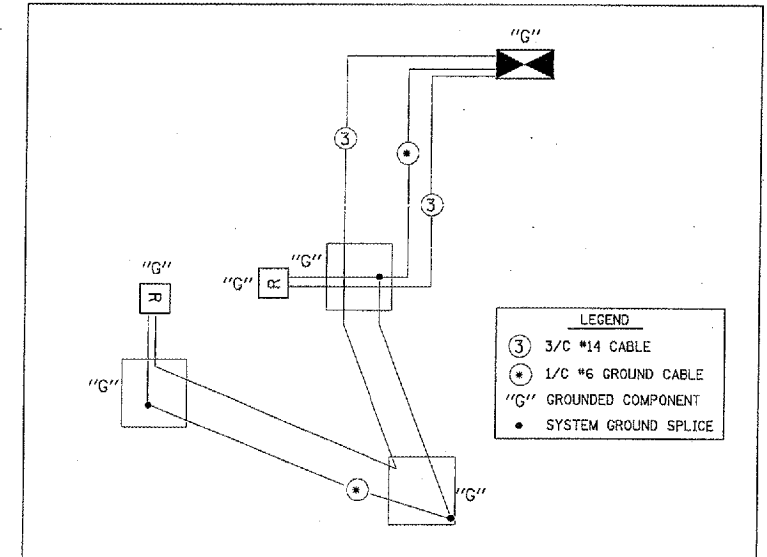
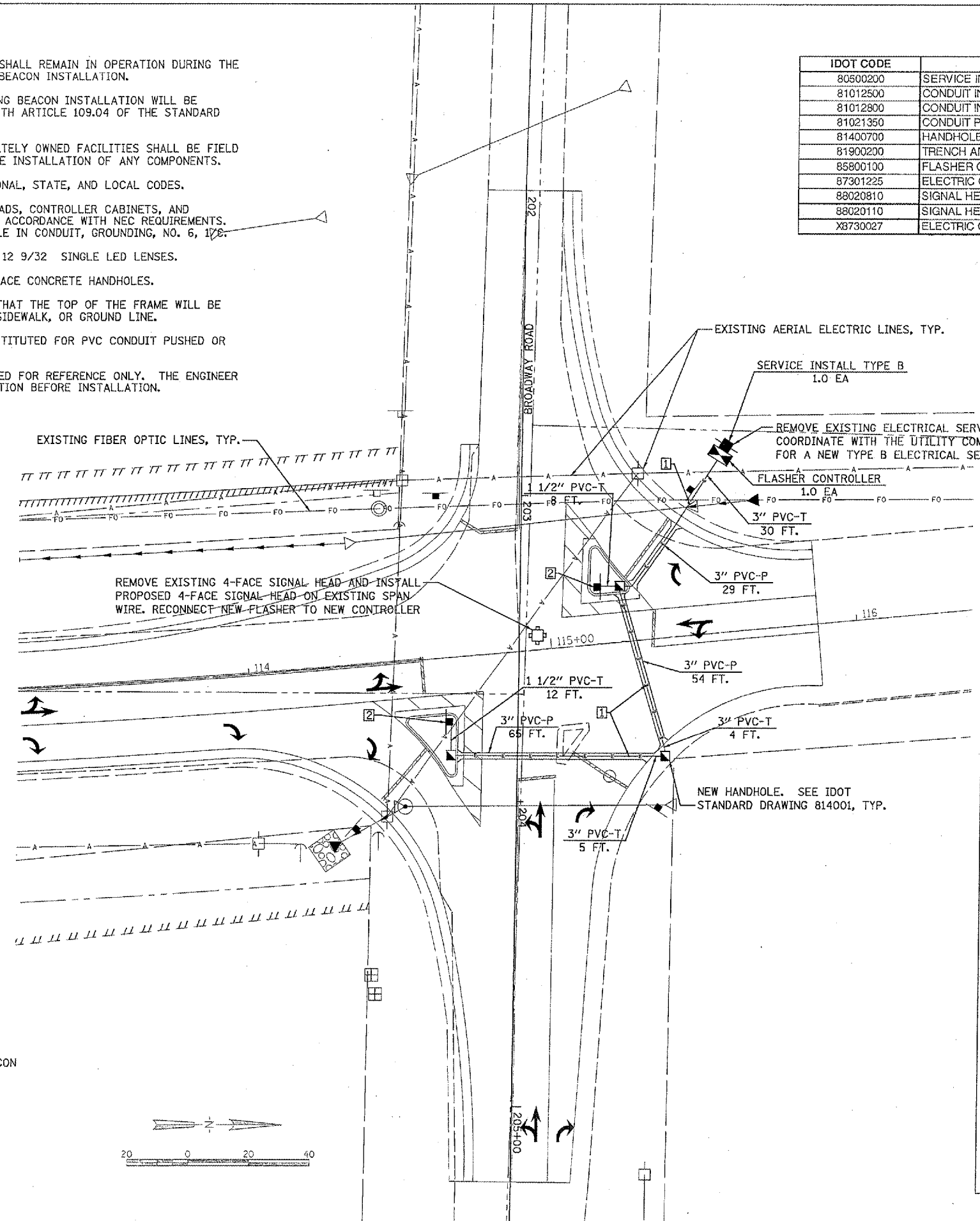
**KEYED NOTES:**

- 1 3/C, #14 SIGNAL CABLE AND 1#6G. CABLE IN CONDUIT.
- 2 PROVIDE NEW RED POST MOUNTED FLASHING BEACONS AT 2 STOP SIGN LOCATIONS PER DETAILS AND SPECIAL PROVISIONS.

**LEGEND:**

- PROPOSED HANDHOLE
- EXISTING 4-WAY FLASHING BEACON
- UNDERGROUND ELECTRIC
- CONDUIT PUSHED
- STOP SIGN WITH NEW FLASHING BEACON
- STOP SIGN
- PROPOSED SERVICE INSTALLATION
- PROPOSED FLASHER CONTROLLER

IDOT CODE	DESCRIPTION	UNIT	QUANTITY
80500200	SERVICE INSTALLATION, TYPE B	EACH	1
81012500	CONDUIT IN TRENCH, 1 1/2" DIA., PVC	FOOT	35
81012800	CONDUIT IN TRENCH, 3" DIA., PVC	FOOT	45
81021350	CONDUIT PUSHED, 3" DIA., PVC	FOOT	200
81400700	HANDHOLE, PORTLAND CEMENT CONCRETE	EACH	3
81900200	TRENCH AND BACKFILL FOR ELECTRICAL WORK	FOOT	50
85800100	FLASHER CONTROLLER	EACH	1
87301225	ELECTRIC CABLE IN CONDUIT, SIGNAL, NO. 14 3C	FOOT	250
88020810	SIGNAL HEAD, POLYCARBONATE, 4-FACE, 1-SECTION, SPAN WIRE MOUNTED	EACH	1
88020110	SIGNAL HEAD, POLYCARBONATE, 1-FACE, 1-SECTION, POST MOUNTED	EACH	2
X8730027	ELECTRIC CABLE IN CONDUIT, 1/C, NO. 6 GROUNDING	FOOT	250



FILE NAME =  
I:\83j00a\83j02846\Civil\Sheet\E-s12.dwg

USER NAME = S-1122993  
PLOT SCALE = 40.0000' / IN.  
PLCT DATE = 22/11/2028, 9:36 AM

DESIGNED - MPB  
DRAWN - DLC  
CHECKED -  
DATE -

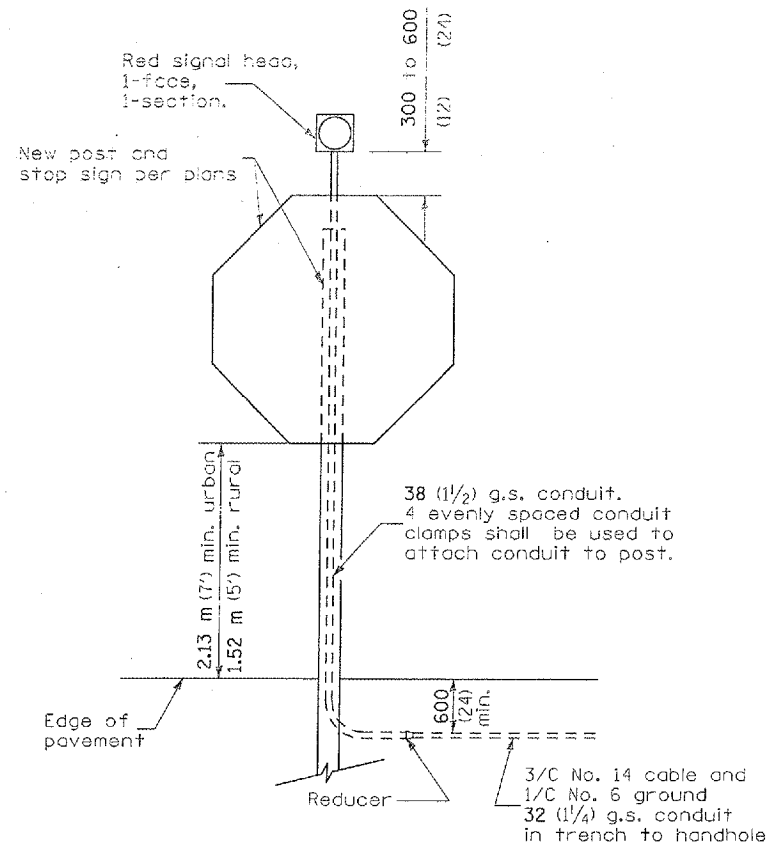
REVISED -  
REVISED -  
REVISED -  
REVISED -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

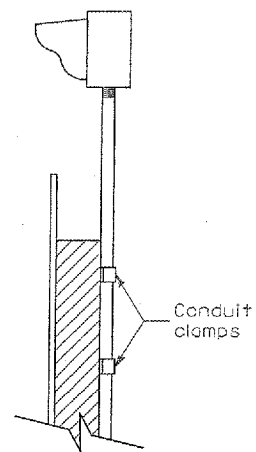
**FLASHING BEACON INTERSECTION PLAN-ELECTRICAL**

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

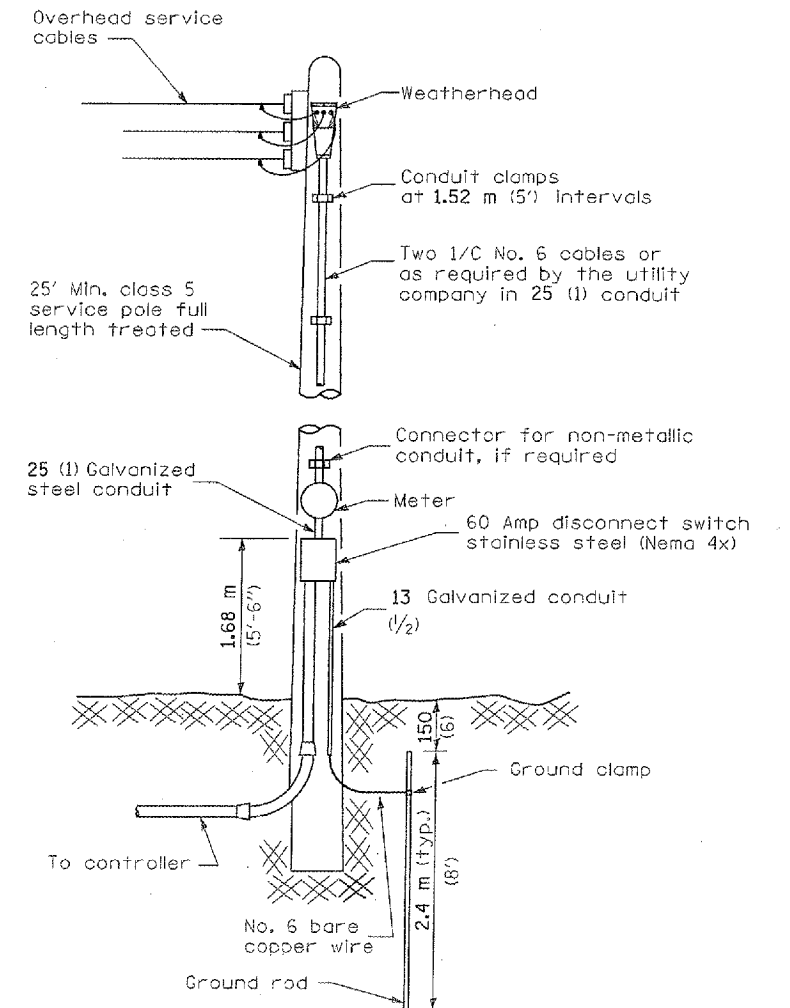
F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
464	07-0014-00-SP	TAZEWELL	44	17
CONTRACT NO. 89480				HS 1467-104



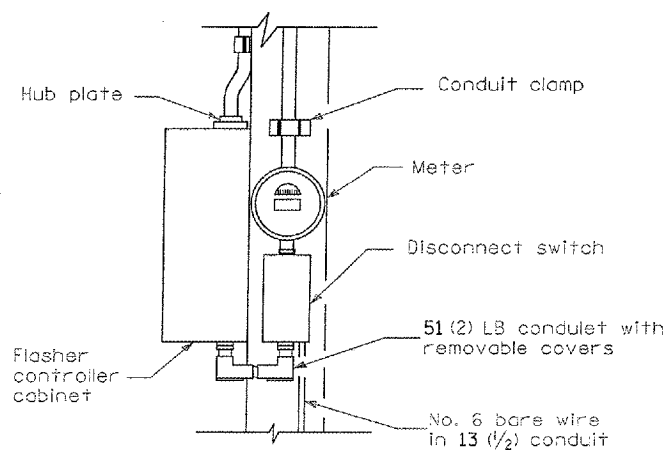
**POST MOUNTED FLASHING BEACON**



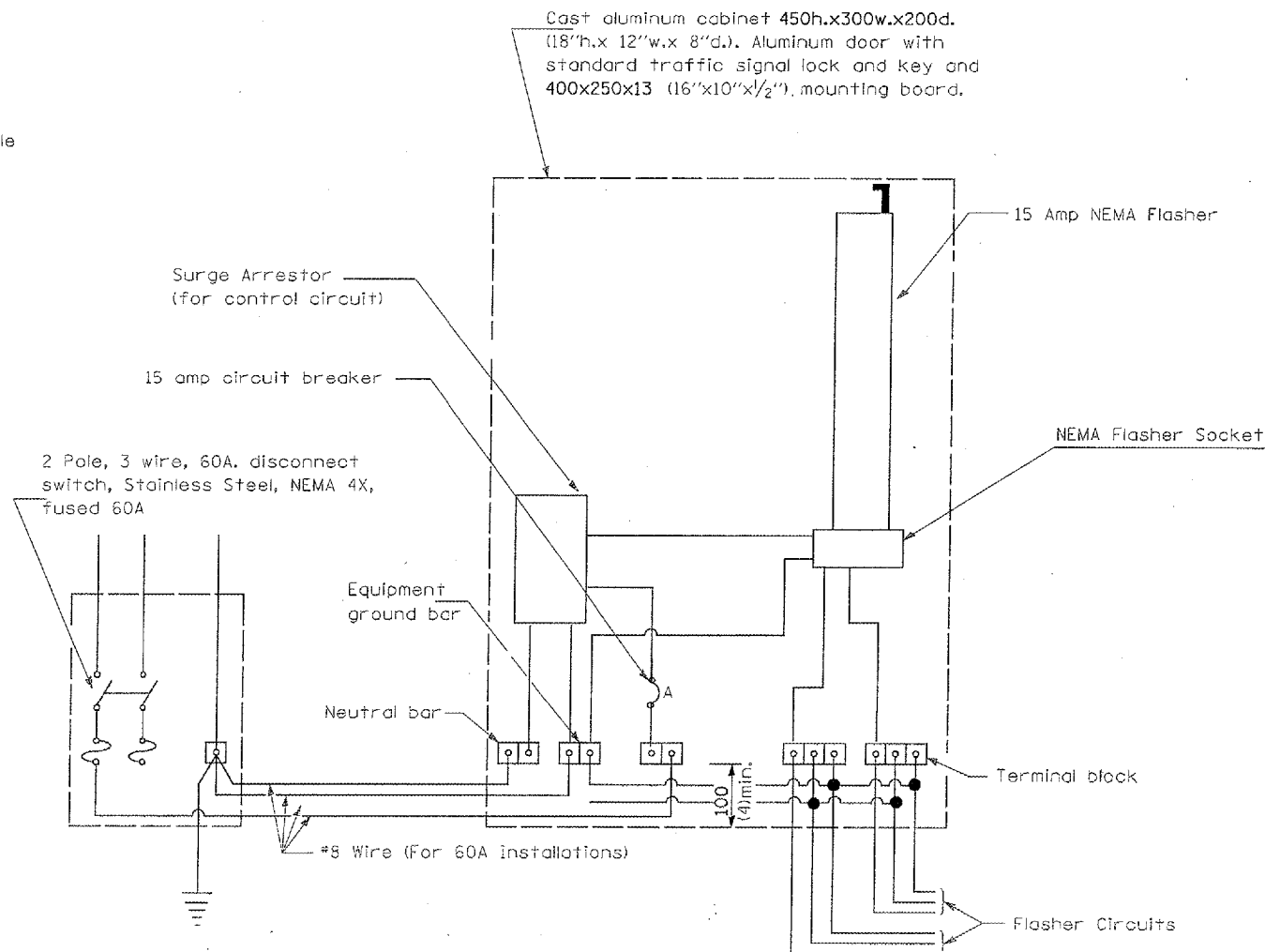
**BEACON MOUNTING DETAIL**



**SERVICE INSTALLATION, TYPE B**



**BEACON CONTROL POLE DETAIL**



**DISCONNECT SWITCH**

**FLASHER CONTROLLER**

FILE NAME =	USER NAME = B-att22993	DESIGNED - MPB	REVISED -
IN:\2\jobs\25022243\Civil\Sheets\E-detail.dgn		DRAWN - DLC	REVISED -
PLOT SCALE = 42.0000" / IN.		CHECKED -	REVISED -
PLOT DATE = 22/10/2008, 09:36 AM		DATE -	REVISED -

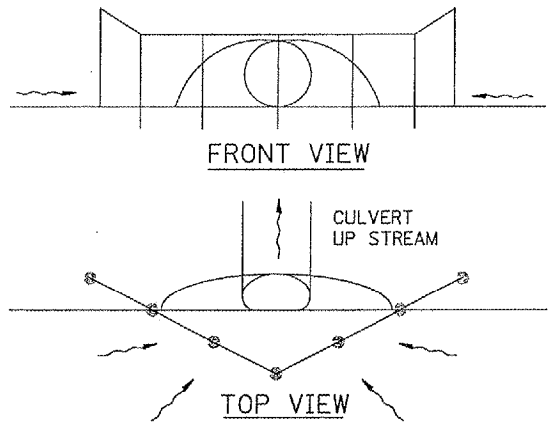
**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**FLASHING BEACON DETAILS**

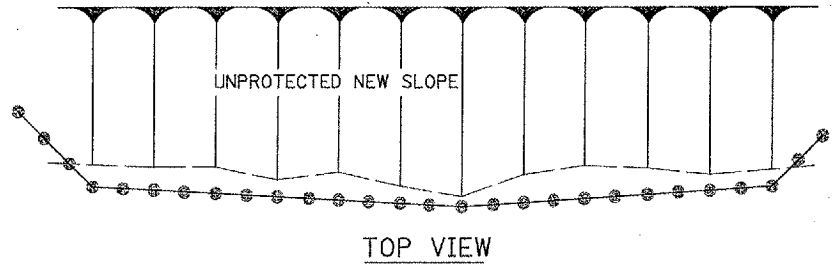
SCALE: 1:20 SHEET NO. OF SHEETS STA. TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
464	07-00014-00-SP	TAZEWELL	44	18
CONTRACT NO. 89480				HS 1467-104

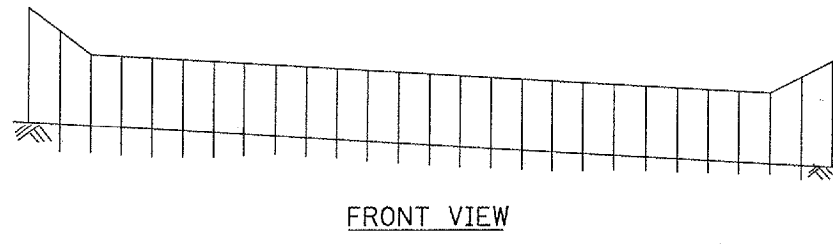
F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
464	07-00014-00-SP	TAZEWELL	44	19
ILLINOIS CONTRACT NO.			89480	



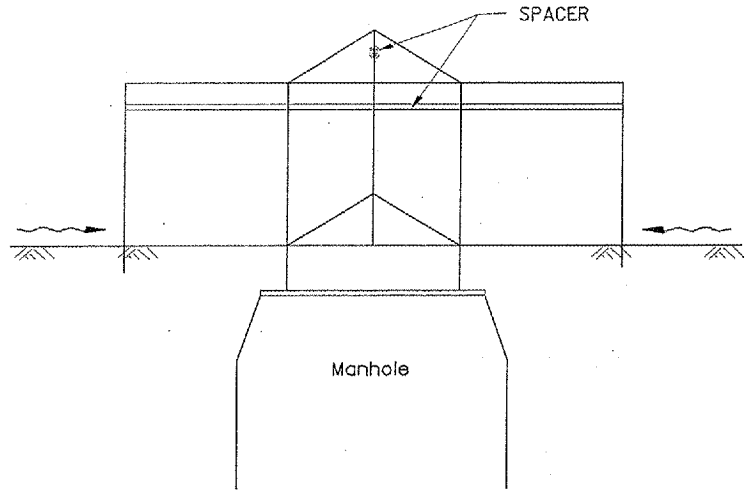
UPSTREAM PIPE CULVERT EROSION CONTROL



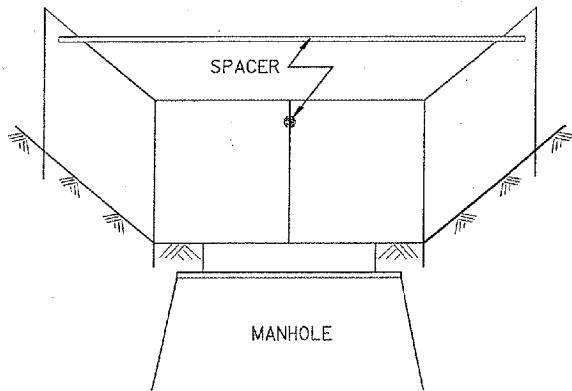
TOP VIEW



FRONT VIEW

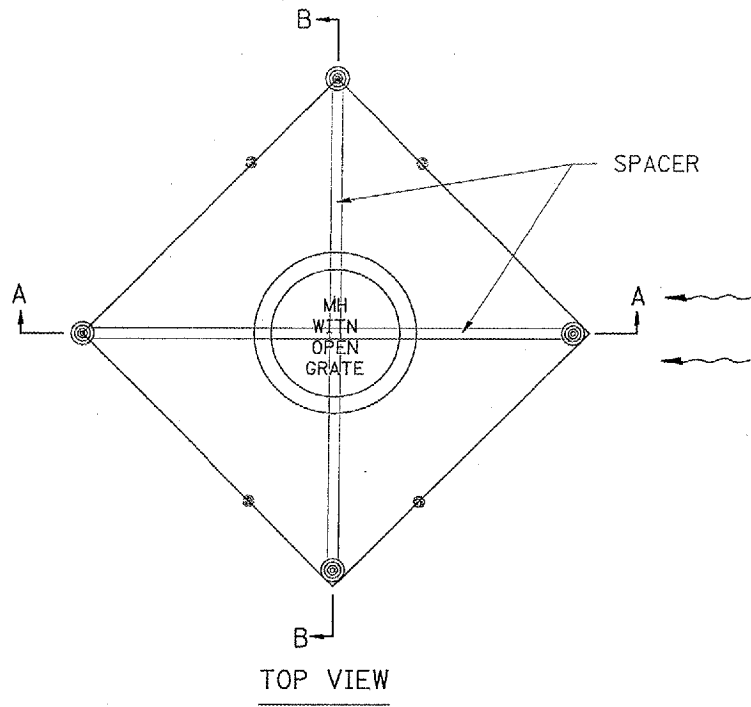


SIDE VIEW  
A-A



Front View  
B-B

EROSION CONTROL  
AT  
OPEN GRATE MAN HOLE



TOP VIEW

GENERAL NOTES:

1. This work shall be performed in accordance with Sections 280 & 1081, of the Standard Specifications.
2. Additional Timber or Metal Post shall be installed, as needed.

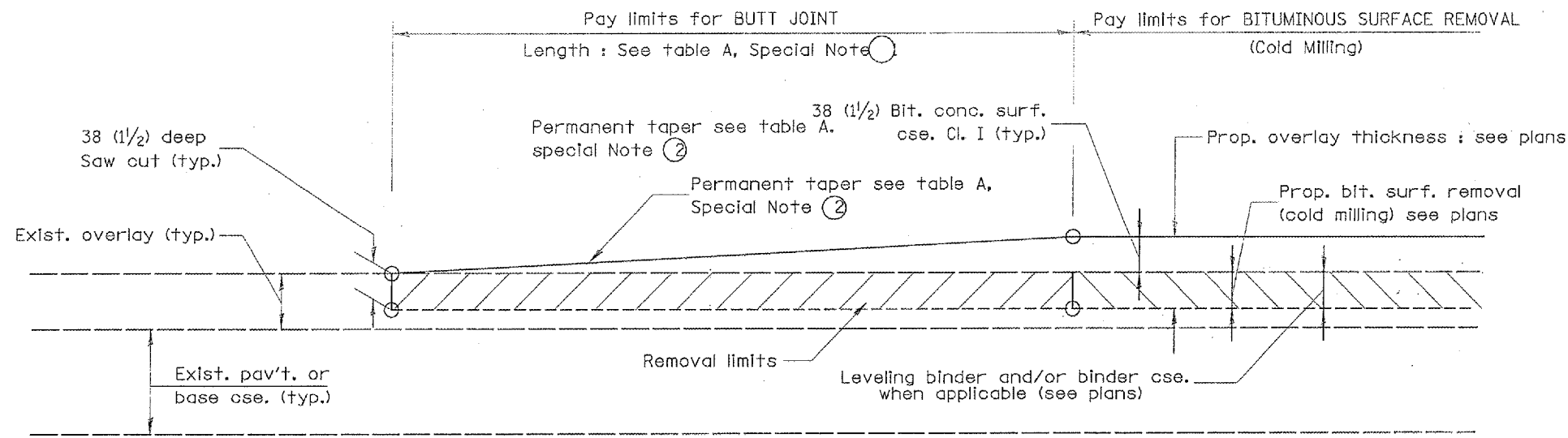
All dimensions are in millimeters (inches) unless otherwise noted.

ILLINOIS DEPARTMENT OF TRANSPORTATION	
SPECIAL DETAIL SHEET	
TYPICAL APPLICATION OF SILT FILTER FENCE	
CADD DETAIL 280001-D4	DRAWN BY CADD
SCALE: NOT DRAWN TO SCALE	CHECKED BY
DATE **DATE**	

DATE	REVISIONS	BY
1-1-97	RENUM. A-12.05. NEW REVISION BOX	T.P.

Designer NOTES:  
 1. Designer to modify this Special Detail sheet, as needed, for inclusion in plans.  
 2. Include Highway Standard 280001 "TEMPORARY EROSION CONTROL SYSTEM."

DATE\*\*



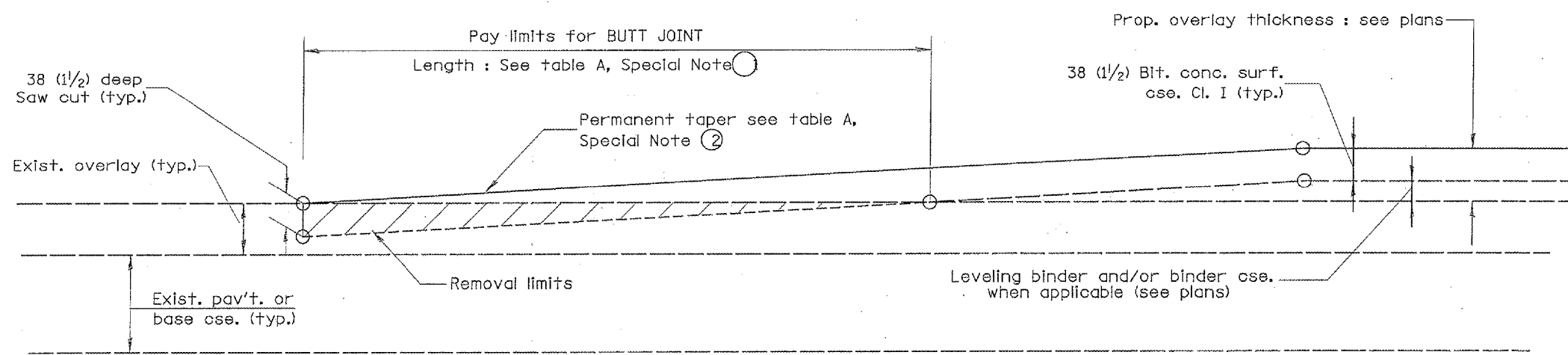
CASE 1 : WITH BITUMINOUS SURFACE REMOVAL (COLD MILLING)

TABLE A  
(LENGTHS AND TAPER RATES)

SPECIAL NOTE NUMBER	ELEMENT	MAINLINE INTERSTATES & 4-LANE EXPRESSWAYS	ALL OTHERS
①	LENGTH OF BUTT JOINT	18.0 m(60')	9.0 m(30')
②	PERMANENT TAPER RATE	1:480	1:240
③	TEMPORARY RAMP TAPER RATE	1:80	1:40
④	TEMPORARY RAMP LENGTH	3.0 m(10')	1.5 m(5')

GENERAL NOTES

- The work shall be done in accordance with Article 406.18 and the Special Provision for Butt Joints.
- The pavement surface to be removed may be either bituminous or P.C. concrete. The work shall be performed in accordance with Article 440.03 and the Special Provisions for Butt Joints.
- The saw cut joints shall be primed just prior to the placing of bituminous material. The work will be in accordance with the applicable portions of Article 406.06.



CASE 2 : NO BITUMINOUS SURFACE REMOVAL (COLD MILLING)

All dimensions are in millimeters (inches) unless otherwise noted.

ILLINOIS DEPARTMENT OF TRANSPORTATION  
DISTRICT CADD STANDARD

BUTT JOINTS

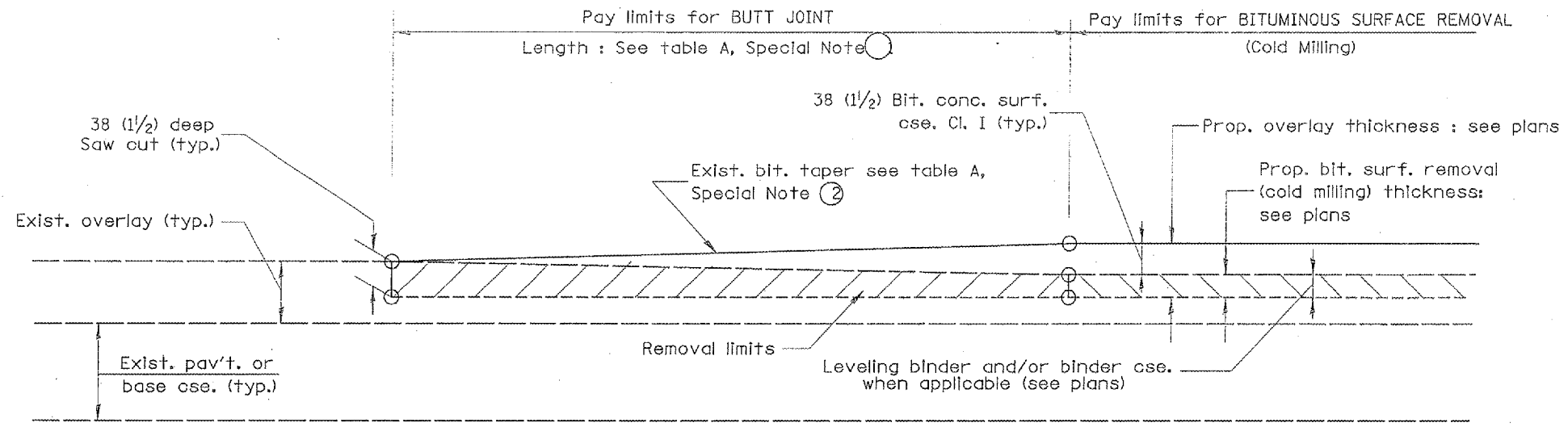
CADD STD NO. 406101-D4 SHEET 1 OF 2  
SCALE: NOT DRAWN TO SCALE DRAWN BY CADD  
DATE: \*\*DATE\*\* CHECKED BY

DATE	REVISIONS	BY
1-1-97	RENUM. C-23.01, NEW REVISION BOX	T.P.
4-1-97	CORRECTION TO DEPTH	J.A.

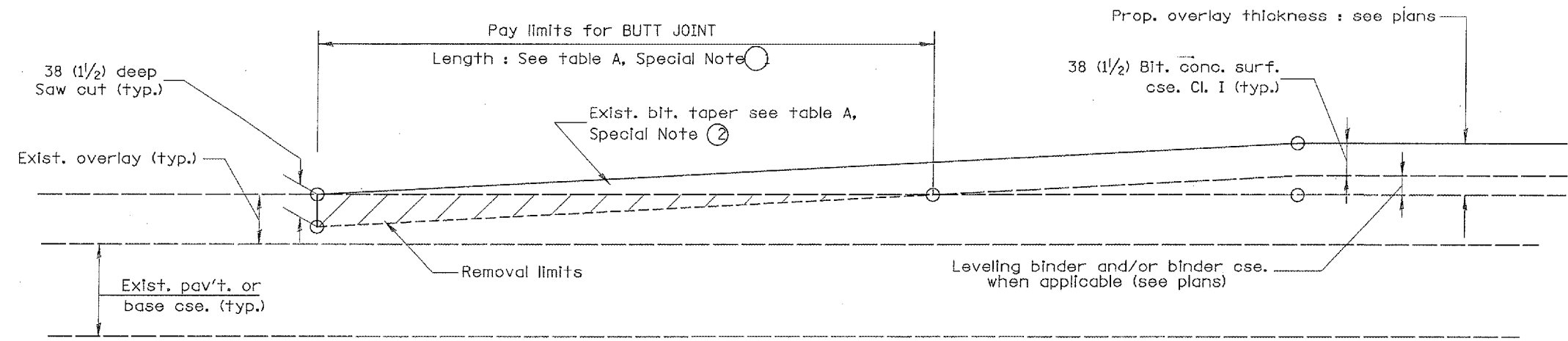
DESIGNER NOTES:  
1. Include District Special Provision for Butt Joints & for Bituminous Surface Removal (Cold Milling). Payment for the Butt Joint includes the saw cut & temporary ramp. Payment for the Bituminous Surface Removal (Cold Milling) applies whether or not the project features Bituminous Surface Removal (Cold Milling).

\*\*DATE\*\*

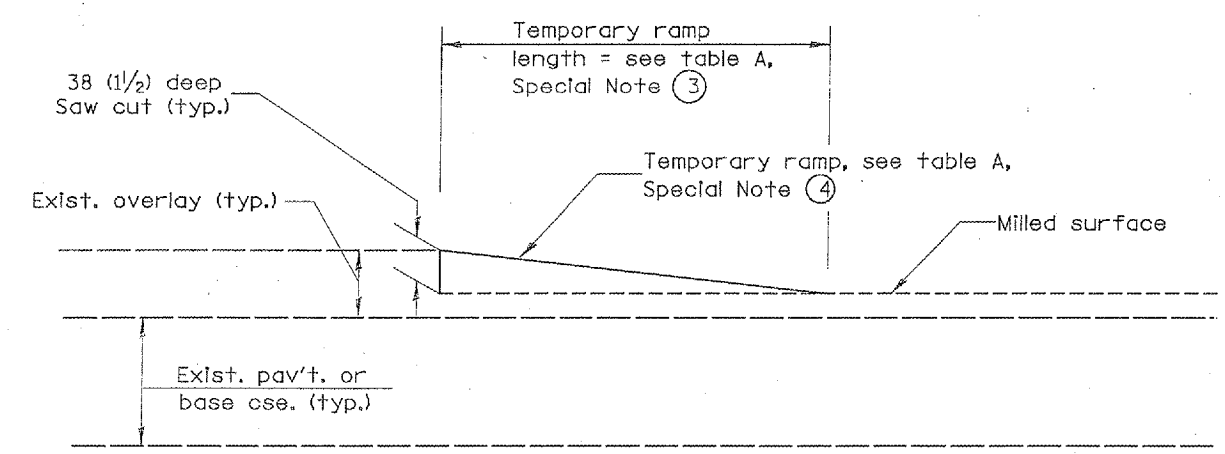
F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
464	07-00014-00-SP	TAZEWELL	44	21
ILLINOIS CONTRACT NO.			89480	



**CASE 3 : WITH BITUMINOUS SURFACE REMOVAL (COLD MILLING)  
TIE-IN TO EXISTING BITUMINOUS TAPER**



**CASE 4 : NO BITUMINOUS SURFACE REMOVAL (COLD MILLING)  
TIE-IN TO EXISTING BITUMINOUS TAPER**



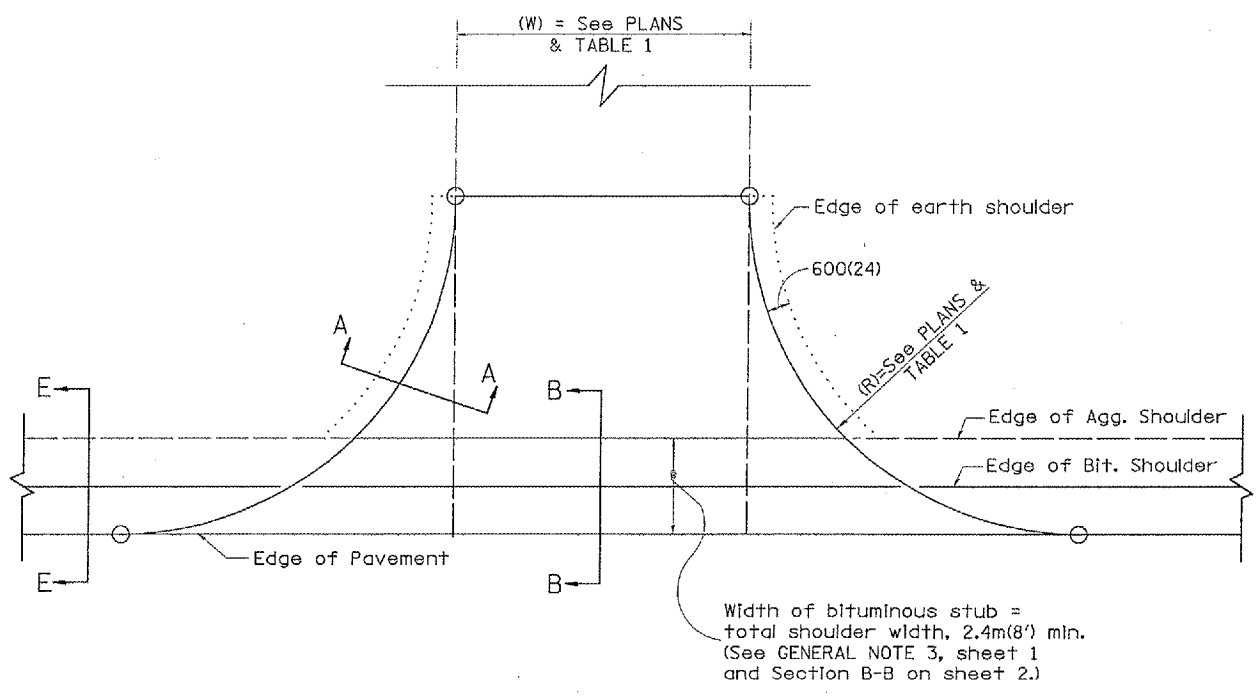
**DETAIL TEMPORARY RAMP**

All dimensions are in millimeters (inches) unless otherwise noted.

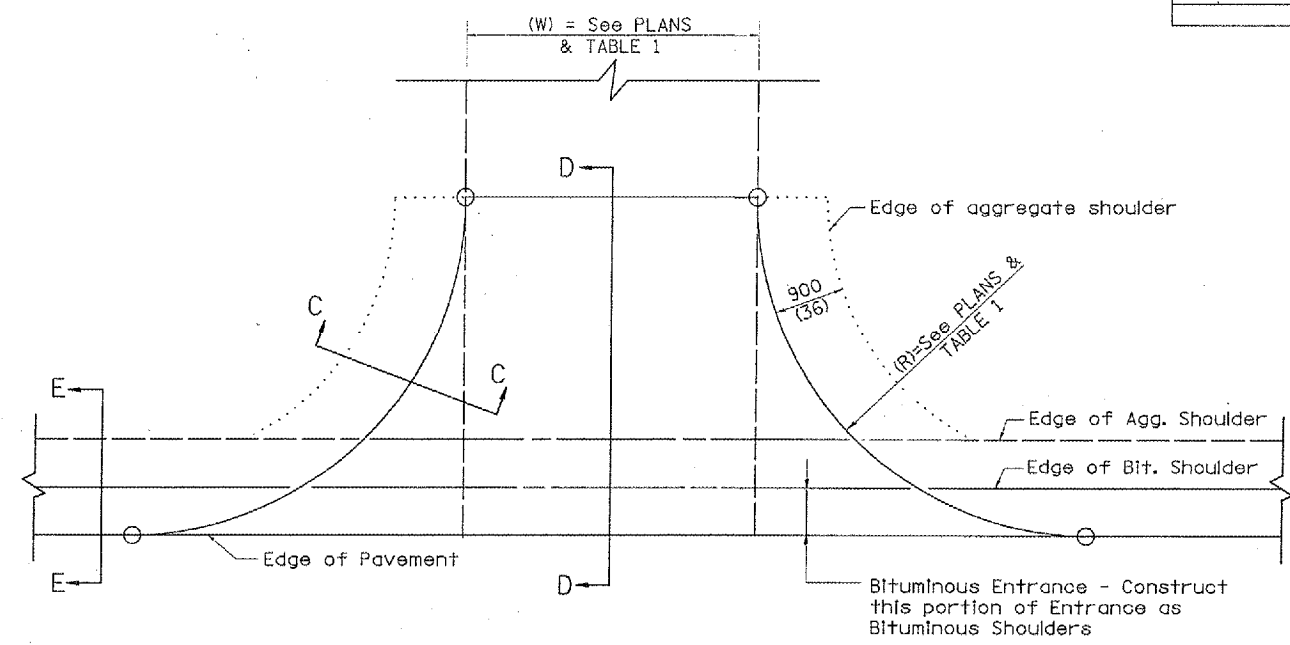
ILLINOIS DEPARTMENT OF TRANSPORTATION	
DISTRICT CADD STANDARD	
BUTT JOINTS	
CADD STD NO. 406101-D4	SHEET 2 OF 2
SCALE: NOT DRAWN TO SCALE	DRAWN BY CADD
DATE: ##DATE##	CHECKED BY

##DATE##

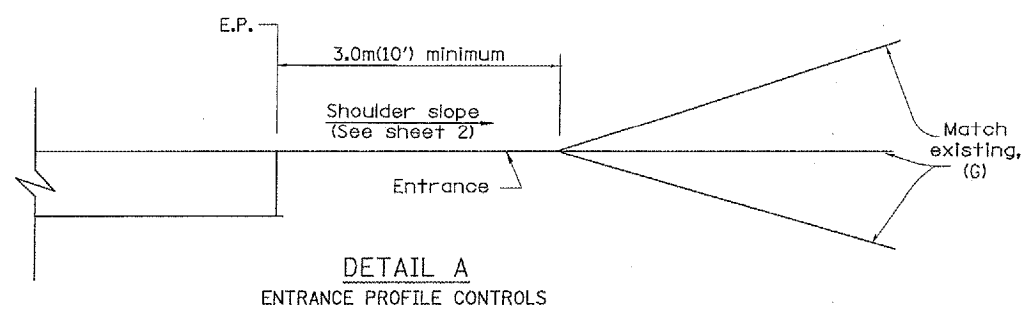
\*DON'T ONLY\*



PLAN  
AGGREGATE ENTRANCE



PLAN  
PCC OR BITUMINOUS ENTRANCE



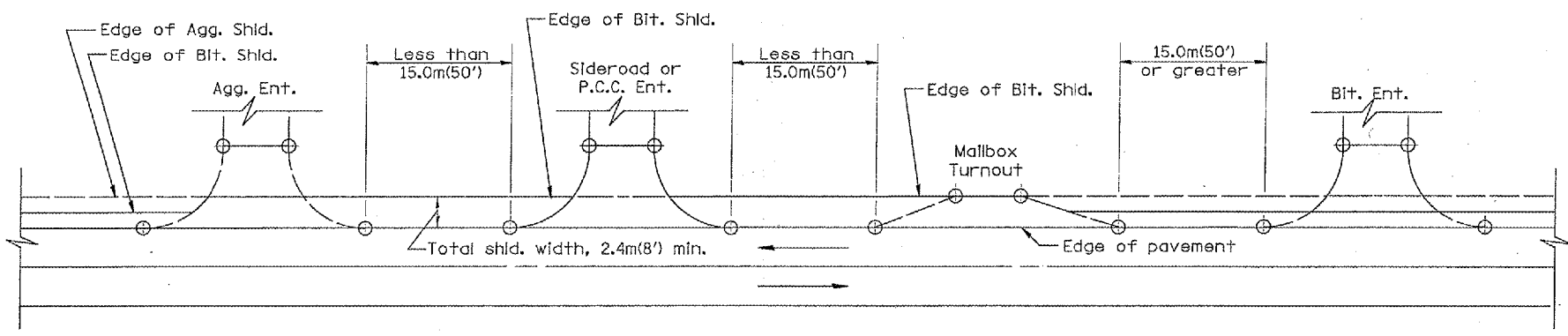
DETAIL A  
ENTRANCE PROFILE CONTROLS

ELEMENT	NON-COMMERCIAL		NON-COMMERCIAL W/ LARGE FARM EQUIPMENT		COMMERCIAL			
					1-WAY OPERATION	2-WAY OPERATION		
WIDTH (W)	3.6m(12') MIN.	7.2m(24') MAX.	6.1m(20') MIN.	9.0m(30') MAX.	4.3m(14') MIN.	7.2m(24') MAX.	7.2m(24') MIN.	10.7m(35') MAX.
RADIUS (R)	3.0m(10') MIN.	12.0m(40') MAX.	3.0m(10') MIN.	12.0m(40') MAX.	6.1m(20') MIN.	15.0m(50') MAX.	6.1m(20') MIN.	15.0m(50') MAX.
MAX. GRADE (G)	12%		12%		10%			

GENERAL NOTES

- Entrances shall slope away from the pavement edge at a rate equal to the shoulder slope for a minimum distance of 3.0m(10'). See DETAIL 'A'.
- The total shoulder width, 2.4m(8') minimum, shall be paved between sideroads, entrances and/or mailbox turnouts, at locations where the distance between radius or taper control points is less than 15.0m(50'). See DETAIL 'B'.
- The width of bituminous stub for field entrances shall be equal to the bituminous shoulder width unless otherwise shown.

All slopes ratios are expressed as units of vertical displacement to units of horizontal displacement (V:H).  
All dimensions are in millimeters (inches) unless otherwise noted.



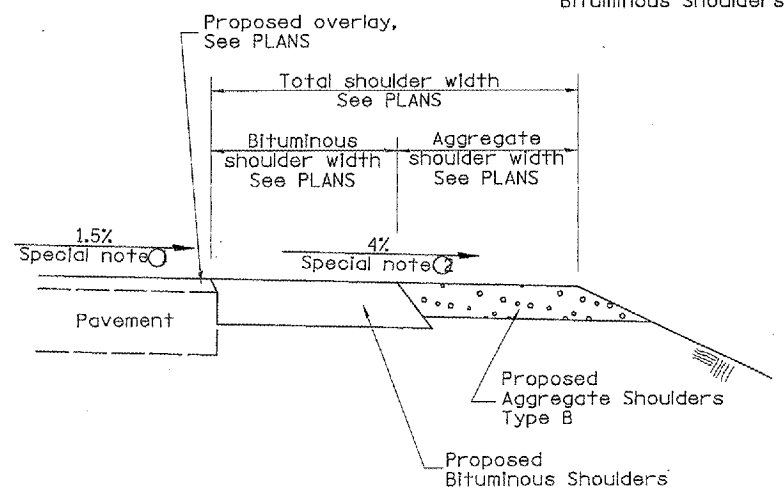
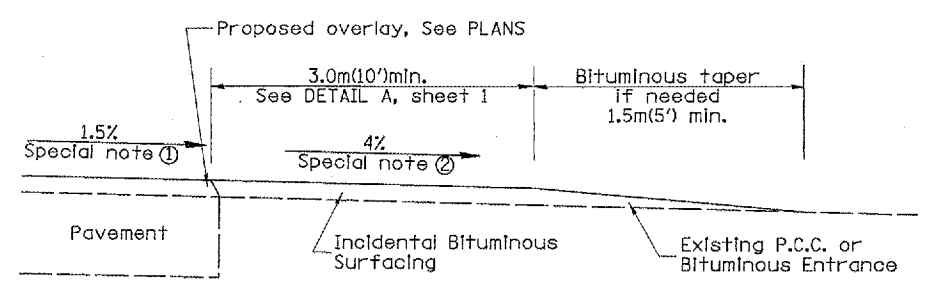
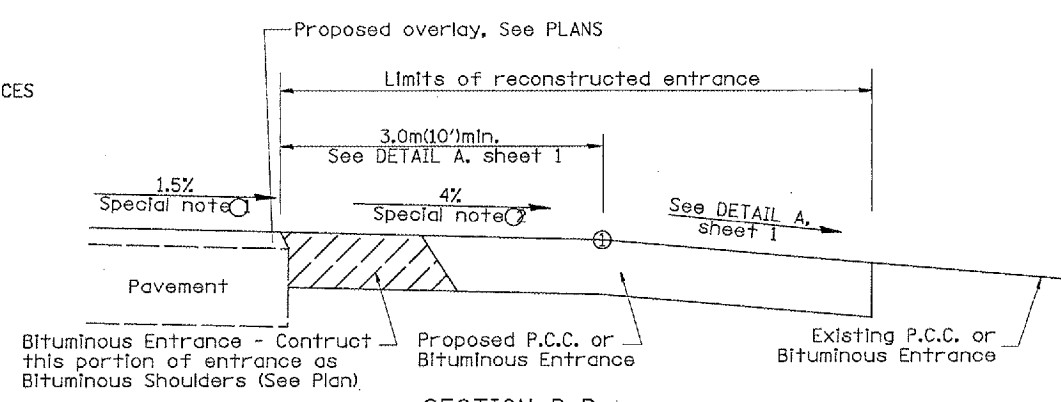
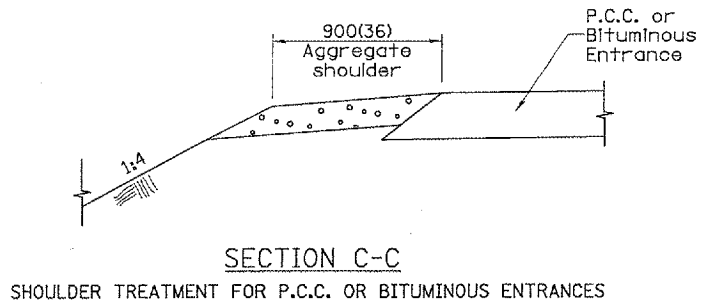
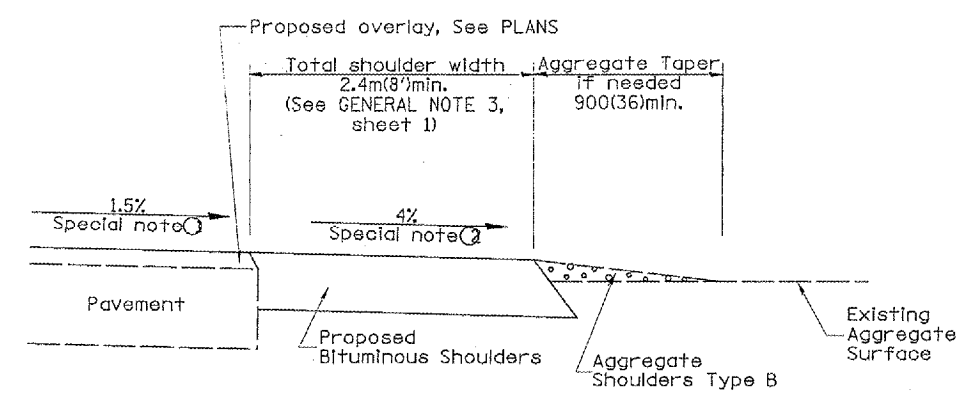
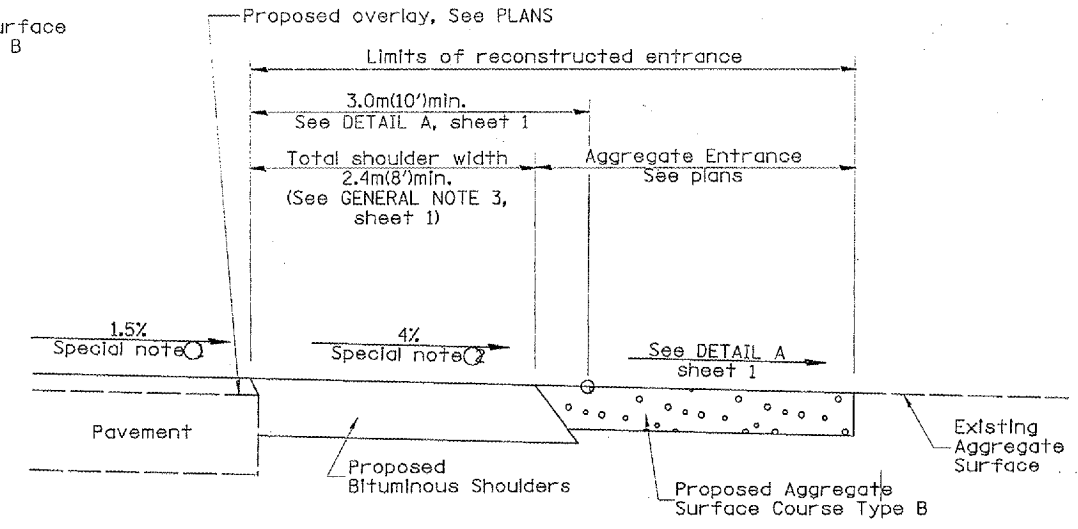
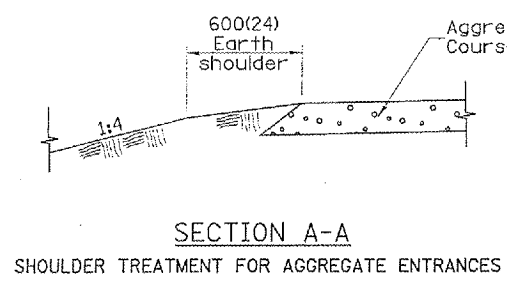
DETAIL B  
SHOULDER TREATMENT FOR CLOSELY SPACED SIDEROADS,  
ENTRANCES, AND/OR MAILBOX TURNOUTS  
(SEE GENERAL NOTE 2, SHEET 1)

DATE	REVISIONS	BY
1-1-97	RENUM. C-103.06, NEW REVISION BOX	T.P.
7-1-97	REVISE DESIGNER NOTES	J.A.

ILLINOIS DEPARTMENT OF TRANSPORTATION  
DISTRICT CADD STANDARD  
RURAL ENTRANCES FOR  
"3R" PROJECTS  
SHEET 1 OF 2  
CADD STD NO. 406301-D4  
SCALE: NOT DRAWN TO SCALE  
DATE: \*\*DATE\*\*  
DRAWN BY: CADD  
CHECKED BY: T. PICKERING

DESIGNER NOTE  
1. DESIGNER SHOULD REVIEW "HANDBOOK FOR THE POLICY ON PERMITS FOR ACCESS DRIVEWAYS TO STATE HIGHWAYS"  
2. DESIGNER SHOULD REVIEW BLE PROCEDURE MEMORANDUM 95-20, EFFECTIVE 7-1-91 ENTITLED "3R DESIGN POLICIES FOR REHABILITATING HIGHWAYS, STREETS AND BRIDGES FOR OTHER THAN FREEWAYS AND EXPRESSWAYS" Revised July 1995.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
464	07-00014-00-SP	TAZEWELL	44	23
ILLINOIS		CONTRACT NO. 89480		



**SPECIAL NOTES**

- ① The mainline pavement cross-slope is 1.5% for tangent alignment. See PLANS for cross-slope on superelevated horizontal curves.
- ② The shoulder slope shall control the entrance profile for a distance of 3.0m(10') minimum from the pavement edge. The shoulder cross-slope is 4% for tangent alignment. Through superelevated curves, the maximum pavement-shoulder breakover should not be greater than 10% for shoulders 1.8(6) and wider and 12% for shoulders 1.2m(4') and less. Where 300(12) paved shoulders are provided, the breakover should be at the edge of the paved shoulder rather than at the pavement edge.

All slope ratios are expressed as units of vertical displacement to units of horizontal displacement (V:H). All dimensions are in millimeters (inches) unless otherwise noted.

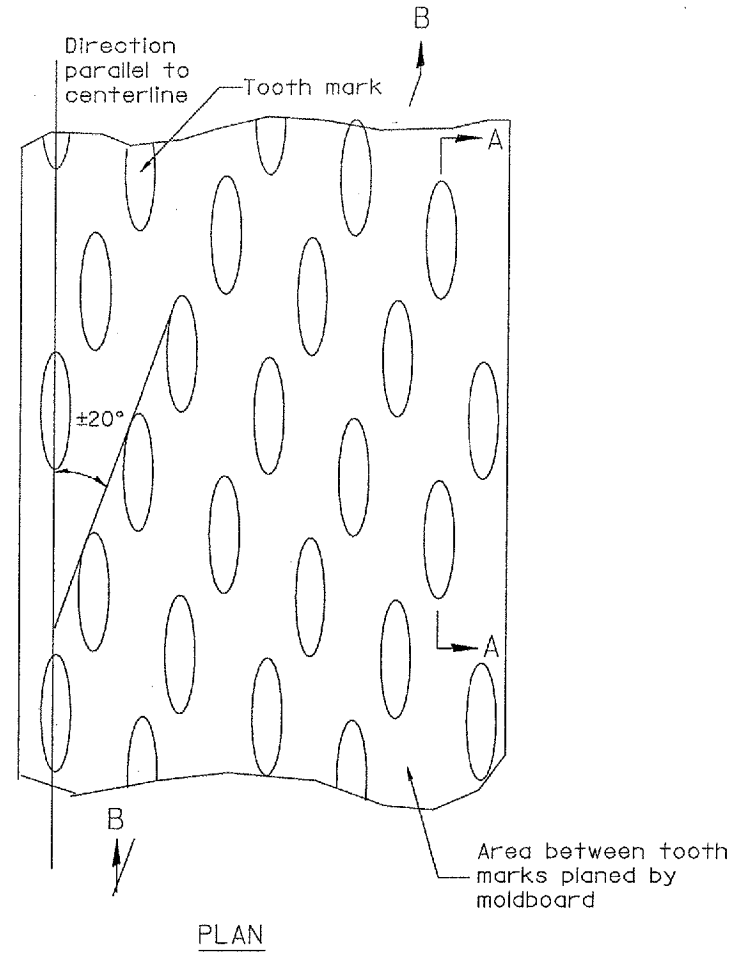
ILLINOIS DEPARTMENT OF TRANSPORTATION	
DISTRICT CADD STANDARD	
RURAL ENTRANCES FOR "3R" PROJECTS	
CADD STD NO. 406301-D4	SHEET 2 OF 2
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DATE: **DATE**	CHECKED BY: T. PICKERING

406301-D4(2)

\*\*DATE\*\*

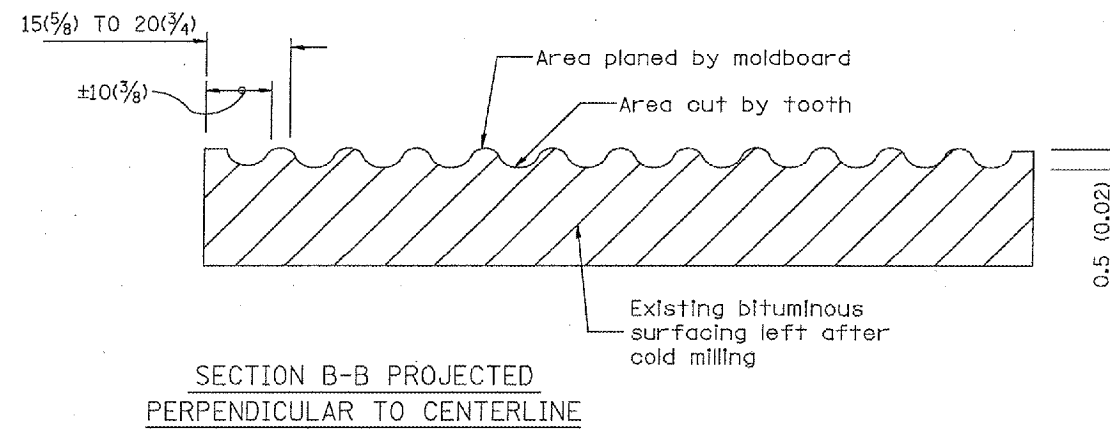
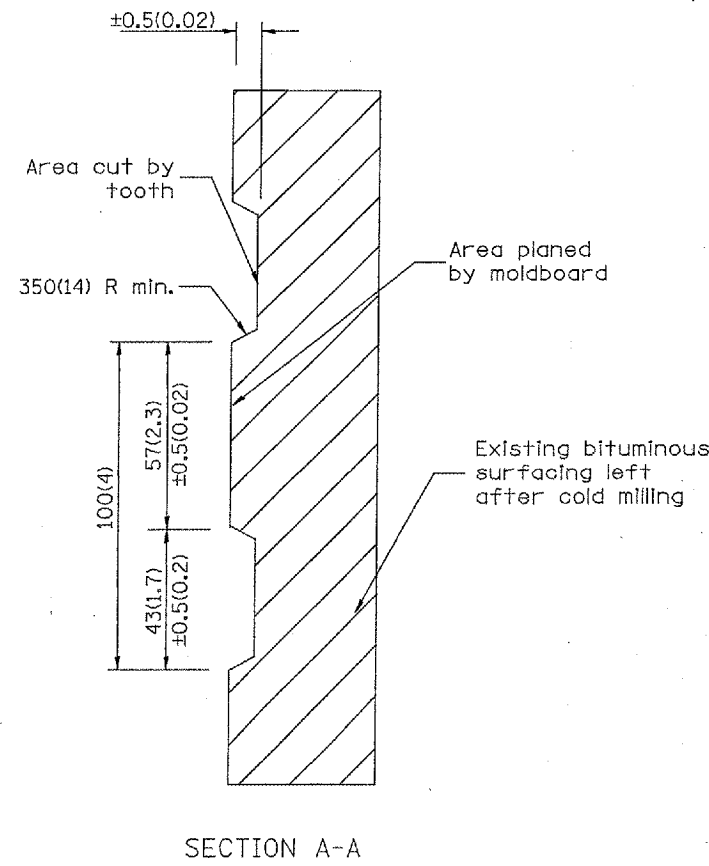
\*DON-ONLY\*

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
464	07-00014-00-SP	TAZEWELL	44	24
ILLINOIS CONTRACT NO.			89480	



General notes:

1. Coldmilling shall consist of two processes: Cutting with carbide teeth mounted on a rotating drum, and planing with a moldboard mounted immediately behind the cutting drum.
2. Other similar patterns will be acceptable if they consist of a smooth, flat, planed surface interspersed with a pattern of discontinuous longitudinal striations.



DESIGNER NOTE  
1. INCLUDE DISTRICT SPECIAL PROVISION, IF APPLICABLE.

##DATE##

All dimensions are in millimeters (inches) unless otherwise noted.

ILLINOIS DEPARTMENT OF TRANSPORTATION  
DISTRICT CADD STANDARD

BITUMINOUS SURFACE REMOVAL  
(COLD MILLING)

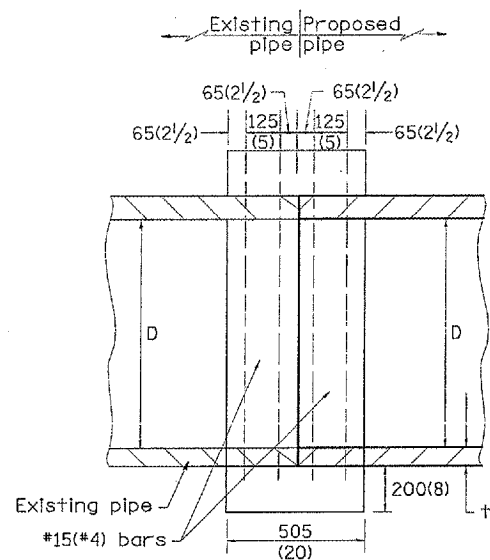
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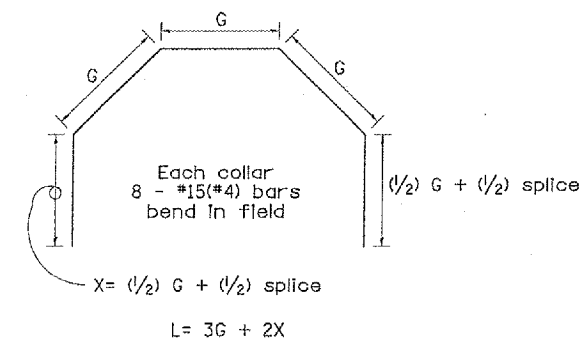
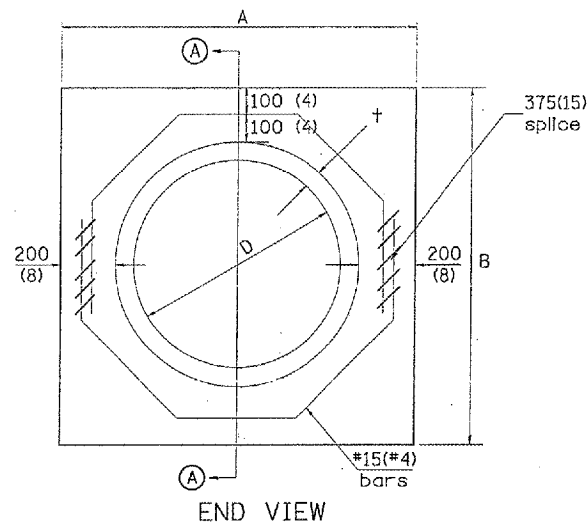
DATE ##DATE## CHECKED BY

DATE	REVISIONS	BY
1-1-97	RENUM. C-104.01, NEW REVISION BOX	T. P.
4-20-98	REMOVED MILLING DETAIL FROM STD.	J.
9-09-98	CORRECT NOTE LEADER PLACEMENT	R. W.





SECTION A - A



Each Collar								
Reinforcement Bars								
D	t	A	B	CL. SI CONC.	G	X	L	Weight
m (in)	m (in)	m (ft)	m (ft)	m <sup>3</sup> (cu. yd)	m (in)	m (in)	m (ft)	kg (lb)
300 (12)	51 (2.00)	0.814 (2.67)	0.814 (2.67)	0.270 (0.4)	253 (9 15/16)	317 (12 7/16)	1.393 (4.57)	11 (24)
375 (15)	57 (2.25)	0.902 (2.96)	0.902 (2.96)	0.315 (0.4)	290 (11 3/8)	335 (13 3/16)	1.541 (5.05)	12 (27)
450 (18)	64 (2.50)	0.991 (3.25)	0.991 (3.25)	0.362 (0.5)	327 (12 13/16)	354 (13 7/8)	1.689 (5.54)	14 (30)
525 (21)	70 (2.75)	1.079 (3.54)	1.079 (3.54)	0.411 (0.5)	364 (14 1/4)	372 (14 5/8)	1.836 (6.02)	15 (32)
600 (24)	76 (3.00)	1.167 (3.83)	1.167 (3.84)	0.460 (0.6)	401 (15 11/16)	391 (15 5/16)	1.984 (6.51)	16 (35)
675 (27)	83 (3.25)	1.259 (4.13)	1.259 (4.13)	0.516 (0.7)	438 (17 1/4)	409 (16 1/16)	2.131 (6.99)	17 (37)
750 (30)	89 (3.50)	1.347 (4.42)	1.347 (4.42)	0.570 (0.7)	475 (18 11/16)	428 (16 3/4)	2.279 (7.48)	18 (40)
825 (33)	95 (3.75)	1.436 (4.71)	1.436 (4.71)	0.624 (0.8)	512 (20 1/8)	446 (17 1/2)	2.426 (7.96)	19 (43)
900 (36)	102 (4.00)	1.524 (5.00)	1.524 (5.00)	0.682 (0.9)	549 (21 3/16)	465 (18 3/16)	2.574 (8.44)	20 (45)
1050 (42)	114 (4.50)	1.701 (5.58)	1.701 (5.58)	0.800 (1.0)	622 (24 7/16)	501 (19 3/4)	2.869 (9.41)	23 (50)
1200 (48)	127 (5.00)	1.881 (6.17)	1.881 (6.17)	0.930 (1.2)	696 (27 5/16)	538 (21 3/16)	3.164 (10.38)	25 (55)

GENERAL NOTES

1. THE COLLAR SHALL BE CONSTRUCTED ENTIRELY OF CLASS SI CONCRETE IN ACCORDANCE WITH THE APPLICABLE PORTIONS OF SECTION 503 OF THE STANDARD SPECIFICATIONS. REINFORCEMENT BARS SHALL CONFORM TO SECTION 508.

All dimensions are in millimeters (inches) unless otherwise noted.

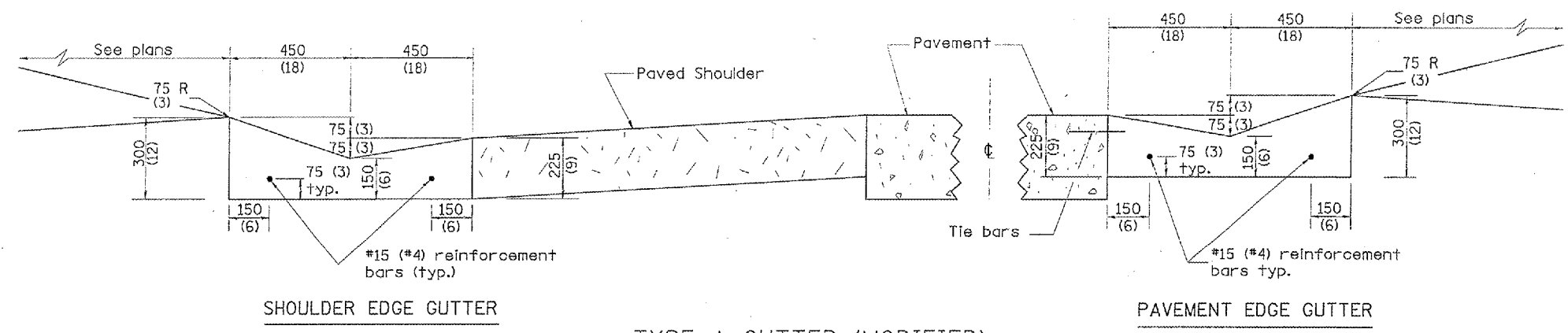
QUANTITIES	
CALC. BY:	R. J. D. 2-2-98
DATE:	2-6-98
CHECKED BY:	R. D. H. 2-6-98
DATE:	

QUANTITY CALCULATIONS ARE ON FILE AT THE DISTRICT 4 OFFICE; BUREAU OF PROJECT IMPLEMENTATION; DOCUMENTATION SECTION

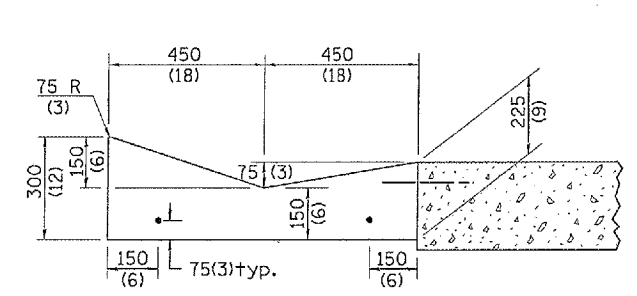
DATE	REVISIONS	BY
1-1-97	RENUM. B-8.03, NEW REVISION BOX ADDED QUANTITY CALCULATION BOX, REVISED TITLE BOX	T.P.
4-1-97	CORRECT BAR	J.A.
2-10-98	REVISE QUANTITIES	J.A.
9-1-00	CORRECT WEIGHT	J.A.

ILLINOIS DEPARTMENT OF TRANSPORTATION	
DISTRICT CADD STANDARD	
PIPE CULVERT	
EXTENSION COLLAR	
(WITHOUT END SECTION)	
CADD STANDARD 542016-D4	
SCALE: NOT DRAWN TO SCALE	DRAWN BY: CADD
DATE: **DATE**	CHECKED BY:

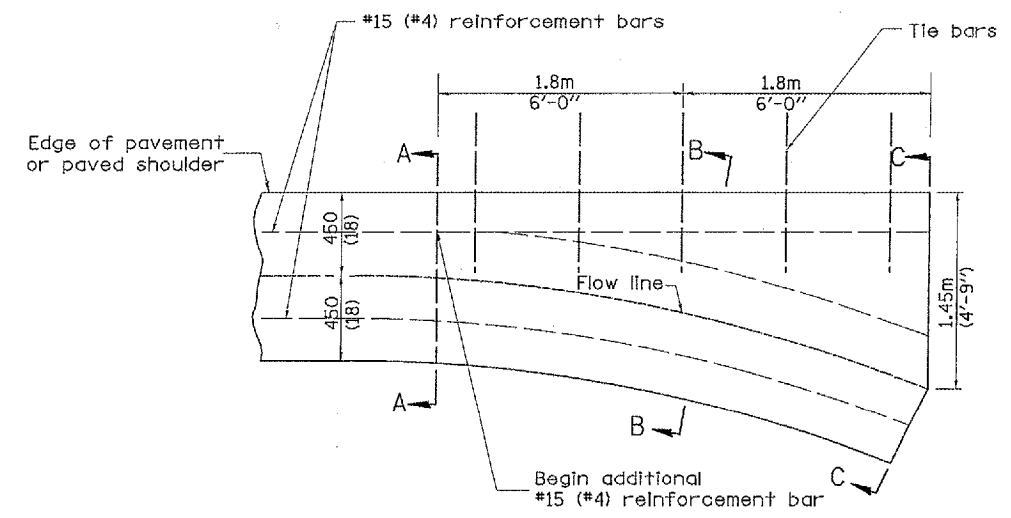
F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
464	07-00014-00-SP	TAZEWELL	44	26
ILLINOIS CONTRACT NO.			89480	



TYPE A GUTTER (MODIFIED)

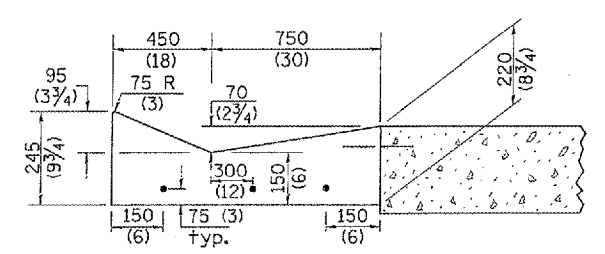


SECTION A-A

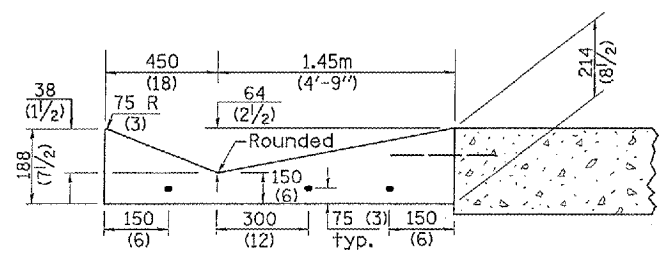


PLAN

QUANTITY  
Section C-C to A-A  
m<sup>3</sup> ( cu. yd.) concrete.



SECTION B-B



SECTION C-C

INLET

GENERAL NOTES:

- TYPE A GUTTER (MODIFIED) shall conform to the applicable portions of Section 606.
- Tie bars shall be No. 20 (No. 6) at 600mm (24") centers unless otherwise shown.
- Gutter, gutter inlets, gutter outlets, and gutter entrances shall be tied to rigid pavement in accordance with details shown on Standard 420001.
- Joints shall be constructed in accordance with Article 606.06.
- Welded wire fabric shall conform to Article 1006.10(c)(1), and shall not be less than 2.83 kg/m<sup>2</sup> (58 lbs/100 sq.ft.).

DESIGNER NOTE:  
1. INCLUDE STATE STANDARD 420001.  
2. INCLUDE DISTRICT SPECIAL PROVISION.

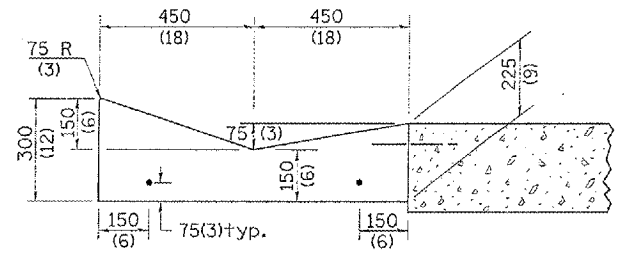
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CALC. BY: _____	DATE: _____
CHECKED BY: _____	DATE: _____
QUANTITY CALCULATIONS ARE ON FILE AT THE DISTRICT 4 OFFICE; BUREAU OF PROJECT IMPLEMENTATION; DOCUMENTATION SECTION	

All dimensions are in millimeters (inches) unless otherwise noted.

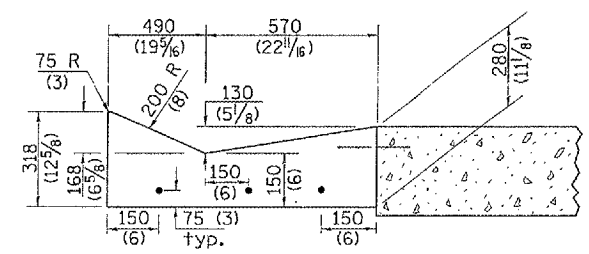
ILLINOIS DEPARTMENT OF TRANSPORTATION		
DISTRICT CADD STANDARD		
TYPE A GUTTER, (MODIFIED)		
(INLET, OUTLET & ENTRANCE)		
CADD STANDARD 606101-D4	SHEET 1 OF 3	
SCALE: NOT DRAWN TO SCALE	DRAWN BY CADD	
DATE: **DATE**	CHECKED BY	

DATE	REVISIONS	BY
1-1-97	RENJ.M. A-1.02, NEW REVISION BOX, ELIMINATED EXPANSION ANCHOR TIES.	T.P.

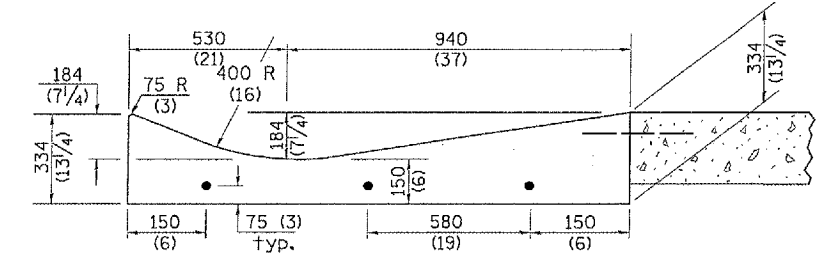
F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
464	07-00014-00-SP	TAZEWELL	44	27
ILLINOIS		CONTRACT NO.	89480	



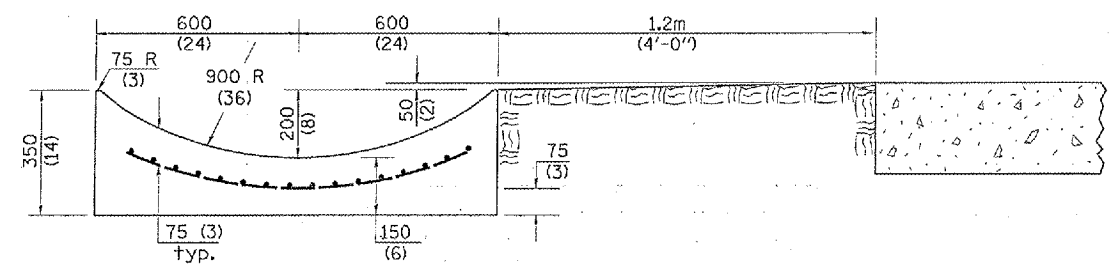
SECTION A-A



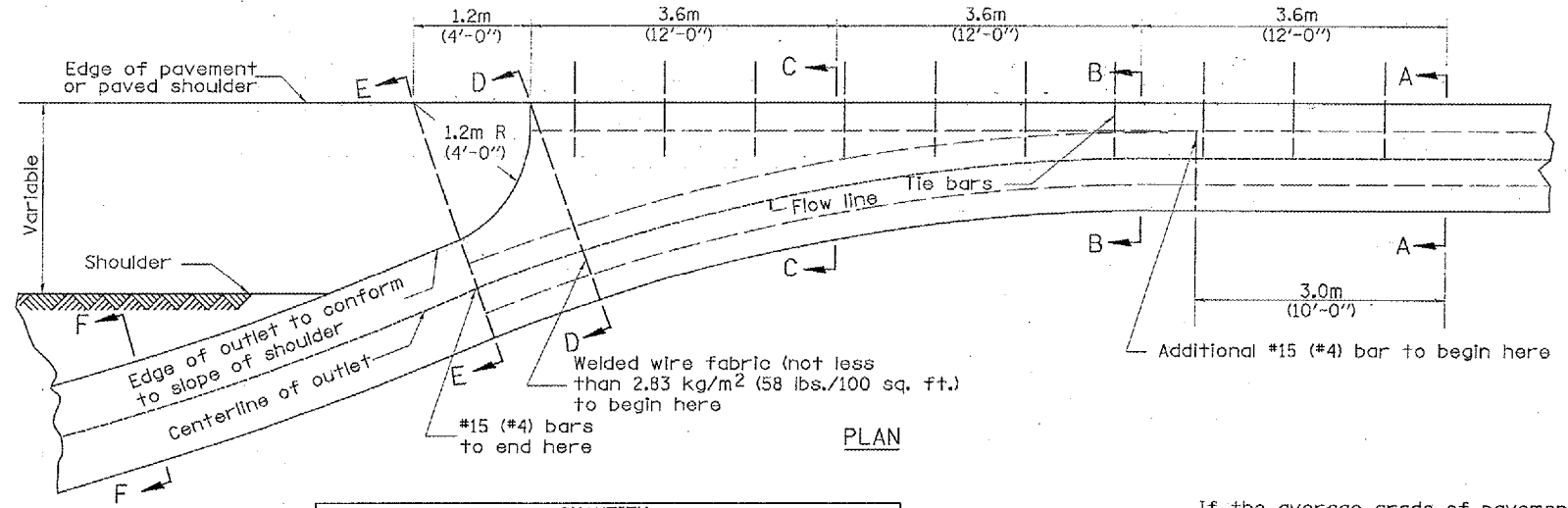
SECTION B-B



SECTION C-C



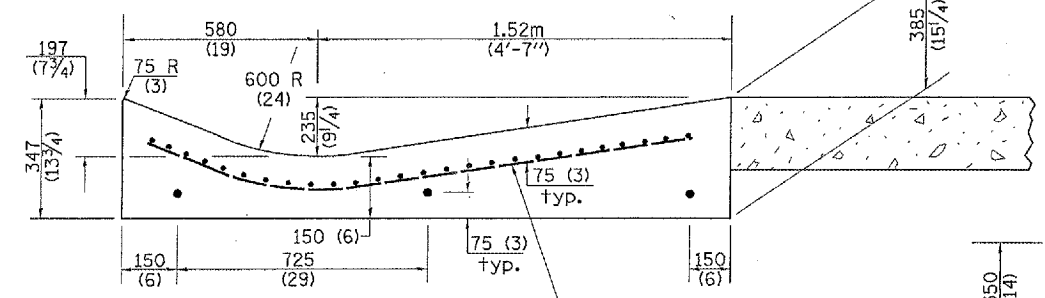
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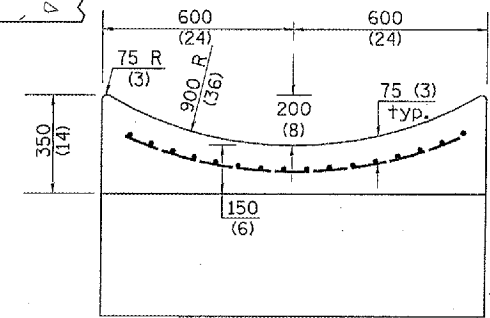
PLAN

**QUANTITY**  
 Section A-A to E-E= m<sup>3</sup> ( cu. yd.) concrete.  
 Section F-F= m<sup>3</sup> ( cu. yd./ft.) concrete.

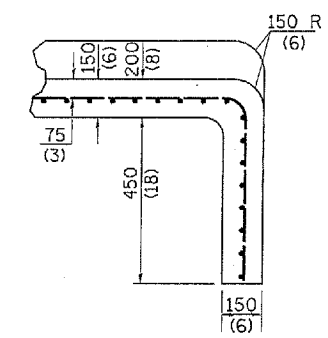
If the average grade of pavement for the distance from section A-A to section D-D exceeds 2%, this distance shall be increased 1.8 m (6 ft.) for each 1% increase in grade. A quantity adjustment is required.



SECTION D-D



SECTION F-F



SECTIONS AT END OF OUTLET (CURTAIN WALL)

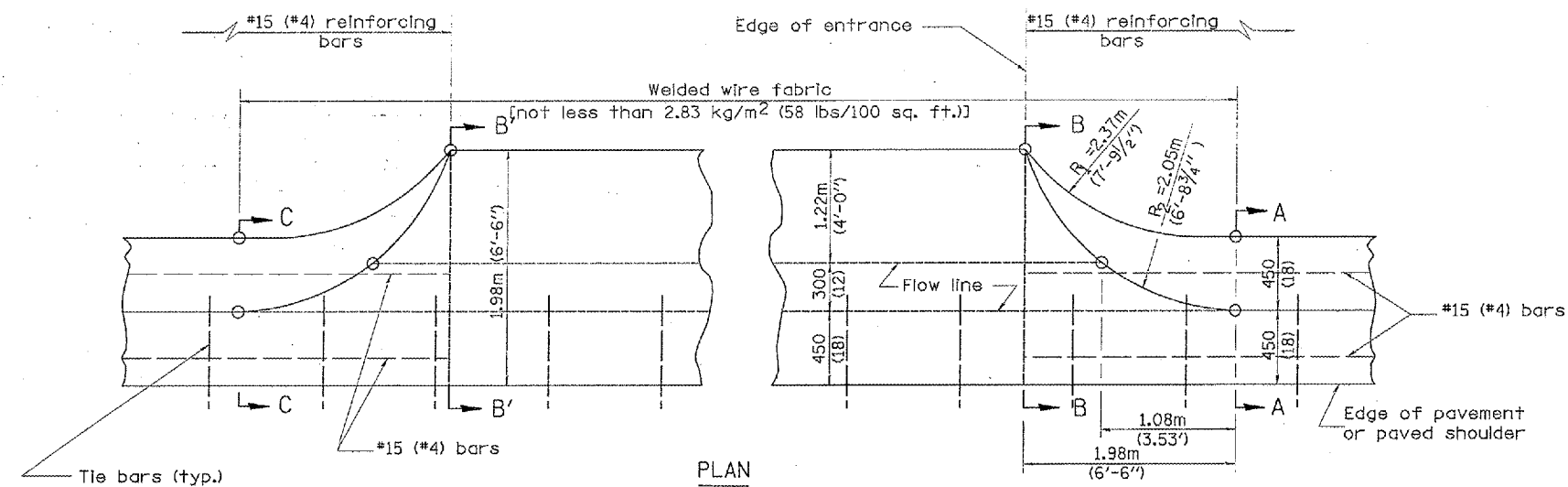
**QUANTITY**  
 Curtain Wall  
 m<sup>3</sup> ( cu. yd. ) concrete.

**QUANTITIES**  
 CALC. BY: \_\_\_\_\_ DATE: \_\_\_\_\_  
 CHECKED BY: \_\_\_\_\_ DATE: \_\_\_\_\_  
 QUANTITY CALCULATIONS ARE ON FILE AT THE DISTRICT 4 OFFICE; BUREAU OF PROJECT IMPLEMENTATION; DOCUMENTATION SECTION

OUTLET

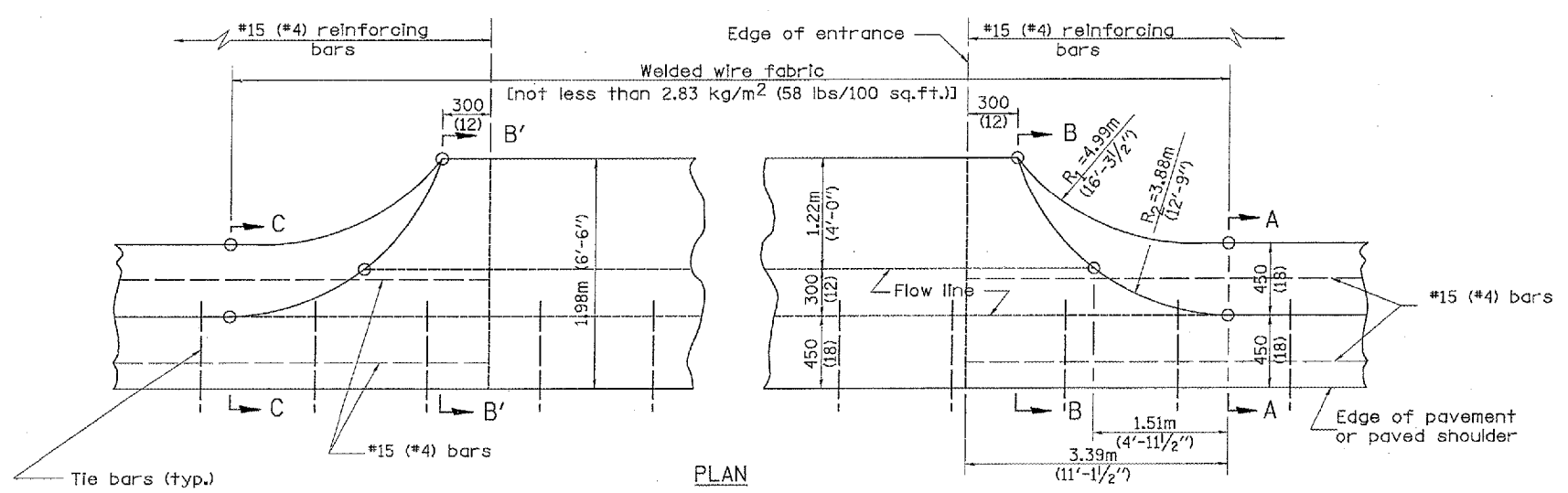
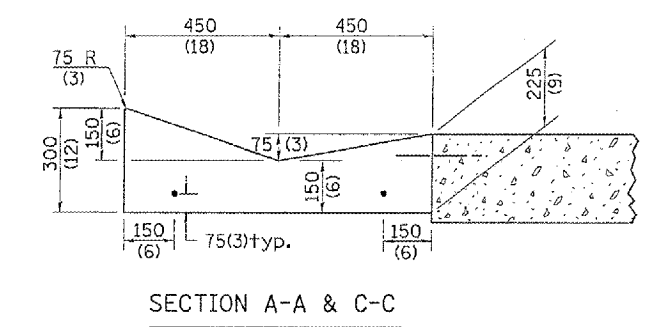
All dimensions are in millimeters (inches) unless otherwise noted.

ILLINOIS DEPARTMENT OF TRANSPORTATION	
DISTRICT CADD STANDARD	
TYPE A GUTTER, (MODIFIED)	
(INLET, OUTLET & ENTRANCE)	
CADD STANDARD 606101-D4	SHEET 2 OF 3
SCALE: NOT DRAWN TO SCALE	DRAWN BY CADD
DATE **DATE**	CHECKED BY



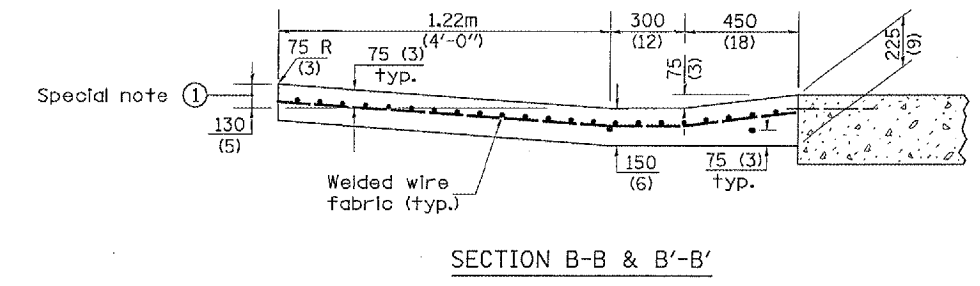
**TYPICAL URBAN ENTRANCE**

**QUANTITY URBAN ENTRANCE**  
 Section B'-B' to B-B= m<sup>3</sup>/m ( cu. yd./ft.).  
 Section C-C to B'-B' + B-B to A-A= m<sup>3</sup> ( cu. yd.).



**TYPICAL RURAL ENTRANCE**

**QUANTITY RURAL ENTRANCE**  
 Section B'-B' to B-B= m<sup>3</sup>/m ( cu. yd./ft.).  
 Section C-C to B'-B' + B-B to A-A= m<sup>3</sup> ( cu. yd.).



**SPECIAL NOTES:**  
 ① Section B-B & B'-B':  
 125 (5) is the normal dimension. If specified in the plans, the following shall be used for improved entrance match-up: Minimum - 75 (3) Maximum - 225 (9)

QUANTITIES	
CALC. BY: _____	DATE: _____
CHECKED BY: _____	DATE: _____

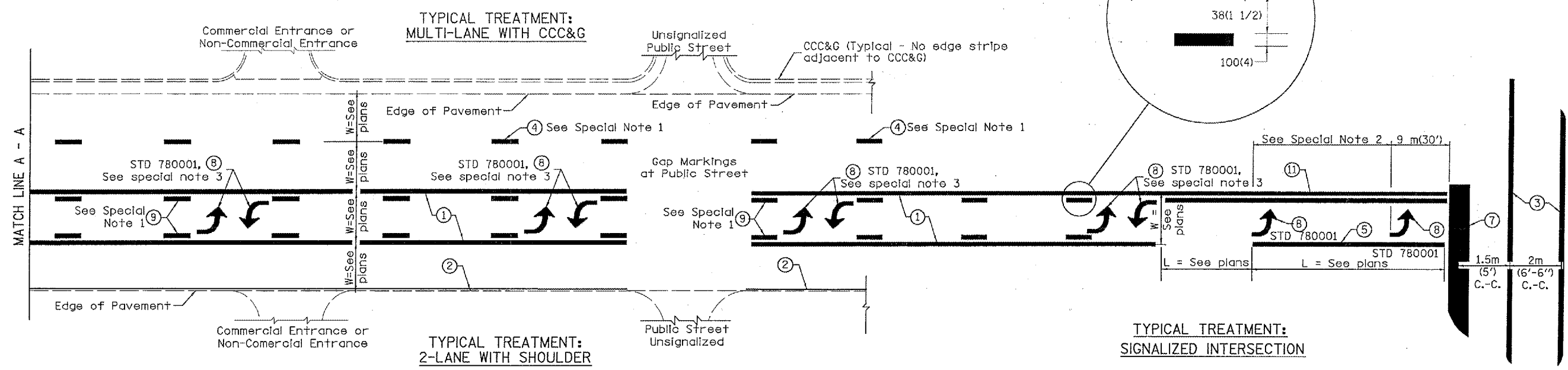
QUANTITY CALCULATIONS ARE ON FILE AT THE DISTRICT 4 OFFICE; BUREAU OF PROJECT IMPLEMENTATION; DOCUMENTATION SECTION

**ENTRANCE**

All dimensions are in millimeters (inches) unless otherwise noted.

ILLINOIS DEPARTMENT OF TRANSPORTATION  
 DISTRICT CADD STANDARD  
 TYPE A GUTTER, (MODIFIED)  
 (INLET, OUTLET & ENTRANCE)  
 CADD STANDARD 606101-D4 SHEET 3 OF 3  
 SCALE: NOT DRAWN TO SCALE DRAWN BY CADD  
 DATE: \*\*DATE\*\* CHECKED BY:

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
464	07-00014-00-SP	TAZEWELL	44	29
ILLINOIS CONTRACT NO.			89480	



**FLUSH PAVED MEDIAN: TWO-WAY LEFT TURN LANE WITH ONE-WAY LEFT TURN LANE AT SIGNALIZED INTERSECTION**

**TYPICAL PAVEMENT MARKING LEGEND**

(Note: This is a District Standard Legend. Some elements may not apply to specific project.)

- ① 100(4) Solid (Yellow)
- ② 100(4) Solid (White)
- ③ 2-150(6) Crosswalk @ 2m (6'-6" min C.-C. (White)
- ④ 150(6) Skip-Dash (White) (See Special Note 1)
- ⑤ 200(8) Solid (White)
- ⑥ 300(12) Diagonal (White) (Item ⑥ is shown on Std. 780001)
- ⑦ 600(24) Stop Bar (White)
- ⑧ Letters & Arrows (See Std. 780001 and Special Notes 2 & 3)
- ⑨ 100(4) Skip-Dash (Yellow) (See Special Note 1)
- ⑩ 300(12) Diagonal (Yellow) (See Table A) See Table A
- ⑪ 100(4) Double Solid (Yellow) See Table A

**SPECIAL NOTES**

1. Skip-Dash markings will be centered between both ends of city blocks and shall be placed in alignment transversely across the pavement.
2. The following shall apply to arrows located in one-way left turn lanes:
  - A. A minimum of two (2) arrows is required.
  - B. The maximum spacing between arrows is 24 m (80').
  - C. Arrows shall be evenly spaced if three (3) or more are required.
3. The following shall apply to arrow pairs located in two-way left turn lanes:
  - A. A minimum of two (2) arrow pairs is required.
  - B. The maximum spacing between arrow pairs is 61 m (200').
  - C. Arrow pairs shall be evenly spaced if three (3) or more are required.
  - D. The spacing between BI Directional Left Turn Arrows is 10 m (33').

**GENERAL NOTES**

1. Refer to State Standard 780001 for additional Pavement Markings including letters & arrows.
2. See Plans for Pavement Markings adjacent to curbed islands and medians, and through lane reductions.

All dimensions are in millimeters (inches) unless otherwise noted.

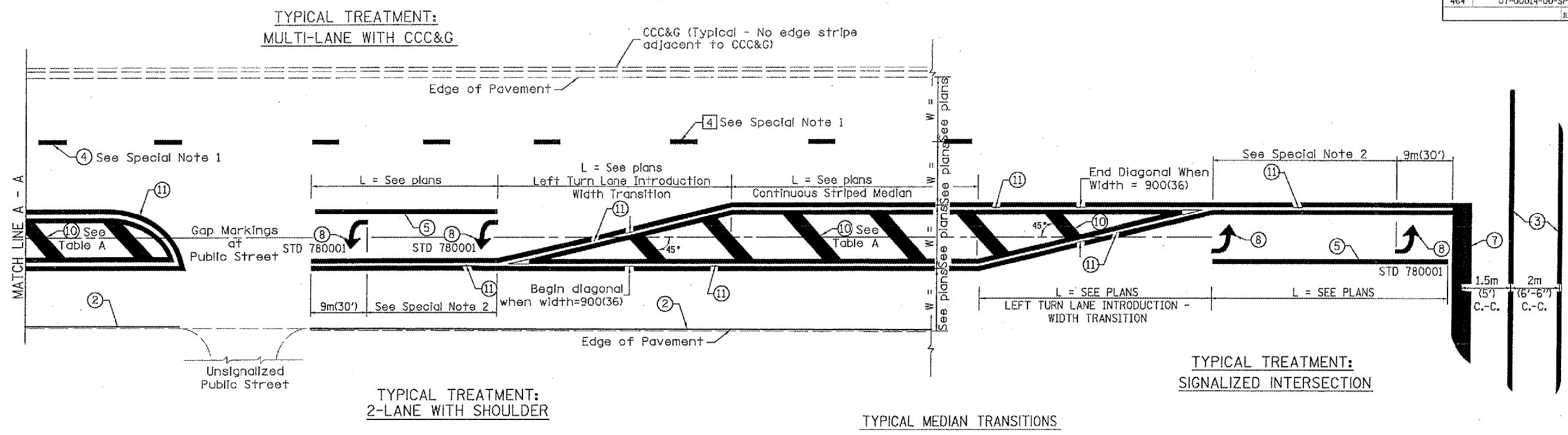
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DISTRICT CADD STANDARD	
TYPICAL PAVEMENT MARKINGS	
CADD STANDARD 780001-D4	SHEET 1 OF 2
SCALE: NOT DRAWN TO SCALE	DRAWN BY CADD
DATE **DATE**	CHECKED BY

DATE	REVISIONS	BY
1-1-97	RENJIM. F-8.03, NEW REVISION BOX	J.P.
2-7-97	ADD BI DIRECTIONAL DEMINION	J.A.
10-97	CORRECT BI DIRECTIONAL DEMINION	J.A.

780001-D4 (1)

DESIGNER NOTES: 1. Include State Standard 780001. (Typical Pavement Markings) \*\*DATE\*\*

\*DGN-ONLY\*

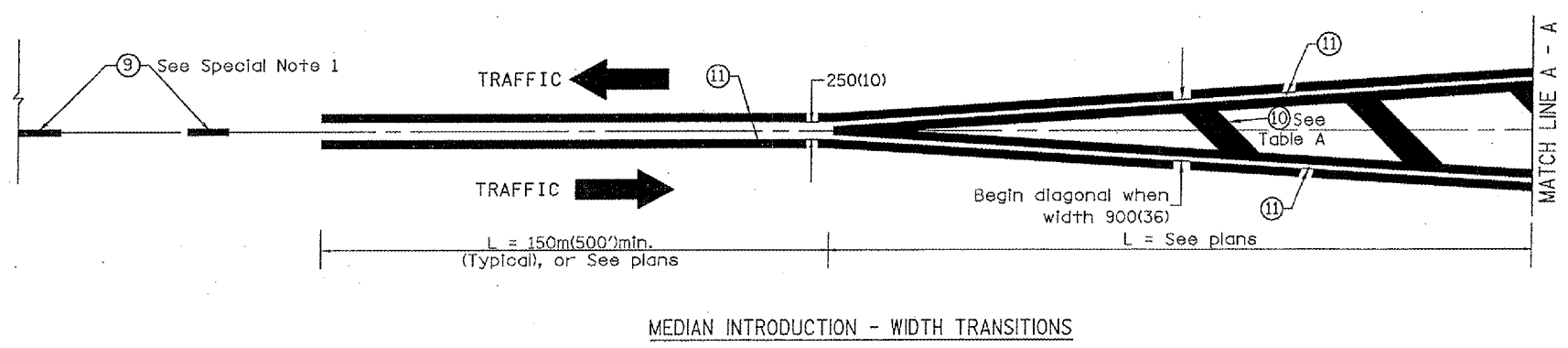


FLUSH PAVED MEDIAN: RESTRICTED LEFT TURN LANE

TYPICAL MEDIAN TRANSITIONS

**TABLE A**  
RECOMMENDED SPACING BETWEEN DIAGONAL LINES

SPEED LIMIT RANGE	CONTINUOUS	INTERSECTION CHANNELIZATION (Includes Width Transitions for Median and Left Turn Lane Introductions)
Less Than 50 km/h (30 mph)	15m (50')	5m (15')
50 - 70 km/h (30 - 45 mph)	23m (75')	6m (20')
Over 70 km/h (45 mph)	46m (150')	9m (30')



All dimensions are in millimeters (inches) unless otherwise noted.

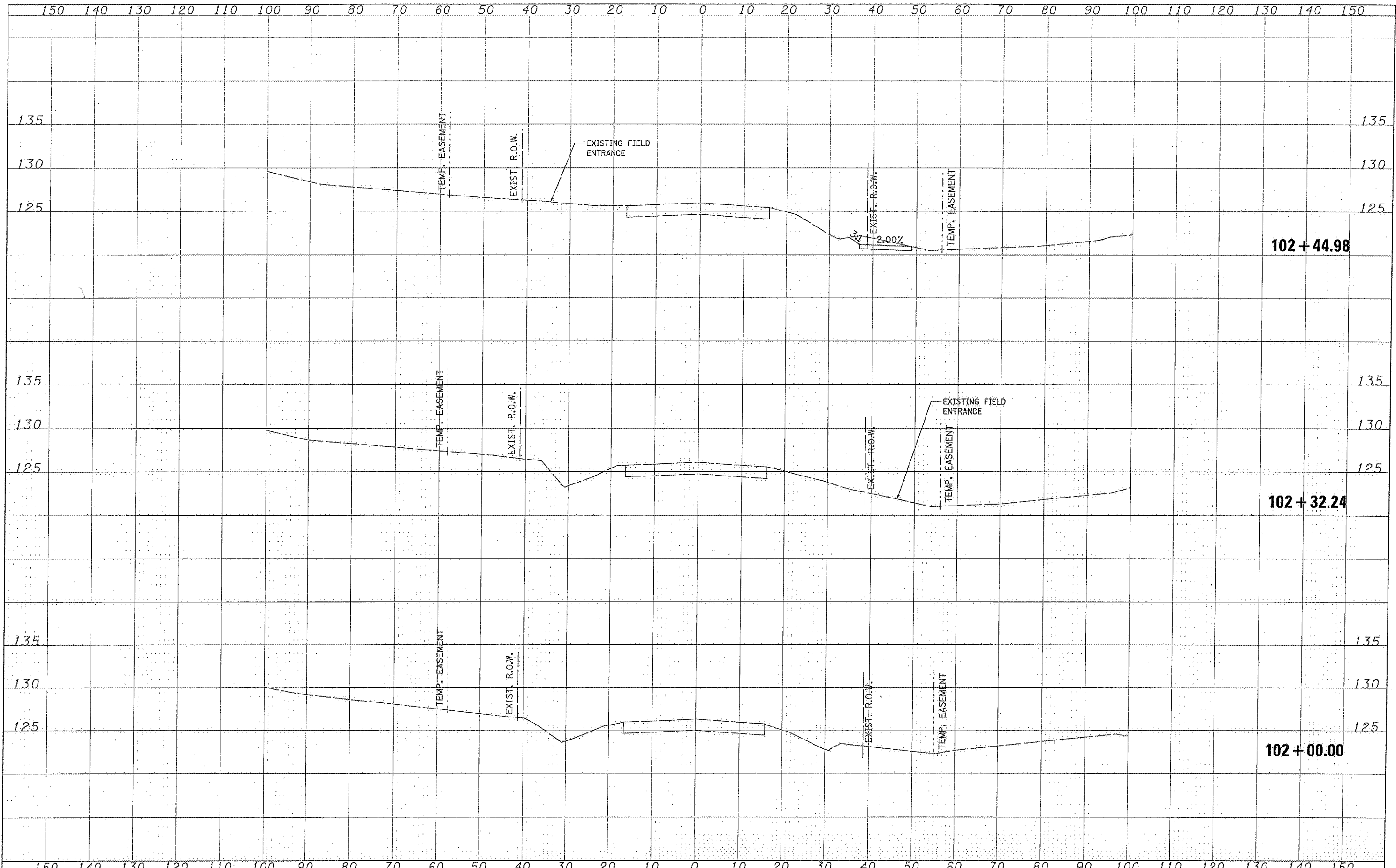
ILLINOIS DEPARTMENT OF TRANSPORTATION	
DISTRICT CADD STANDARD	
TYPICAL PAVEMENT MARKINGS	
CADD STANDARD 780001-D4	SHEET 2 OF 2
SCALE: NOT DRAWN TO SCALE	DRAWN BY CADD
DATE **DATE**	CHECKED BY

\$\$\$DATE\$\$\$

\*CON-ONLY\*

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SURVEY NO.	BY
NOTE BOOK	
PLATE	
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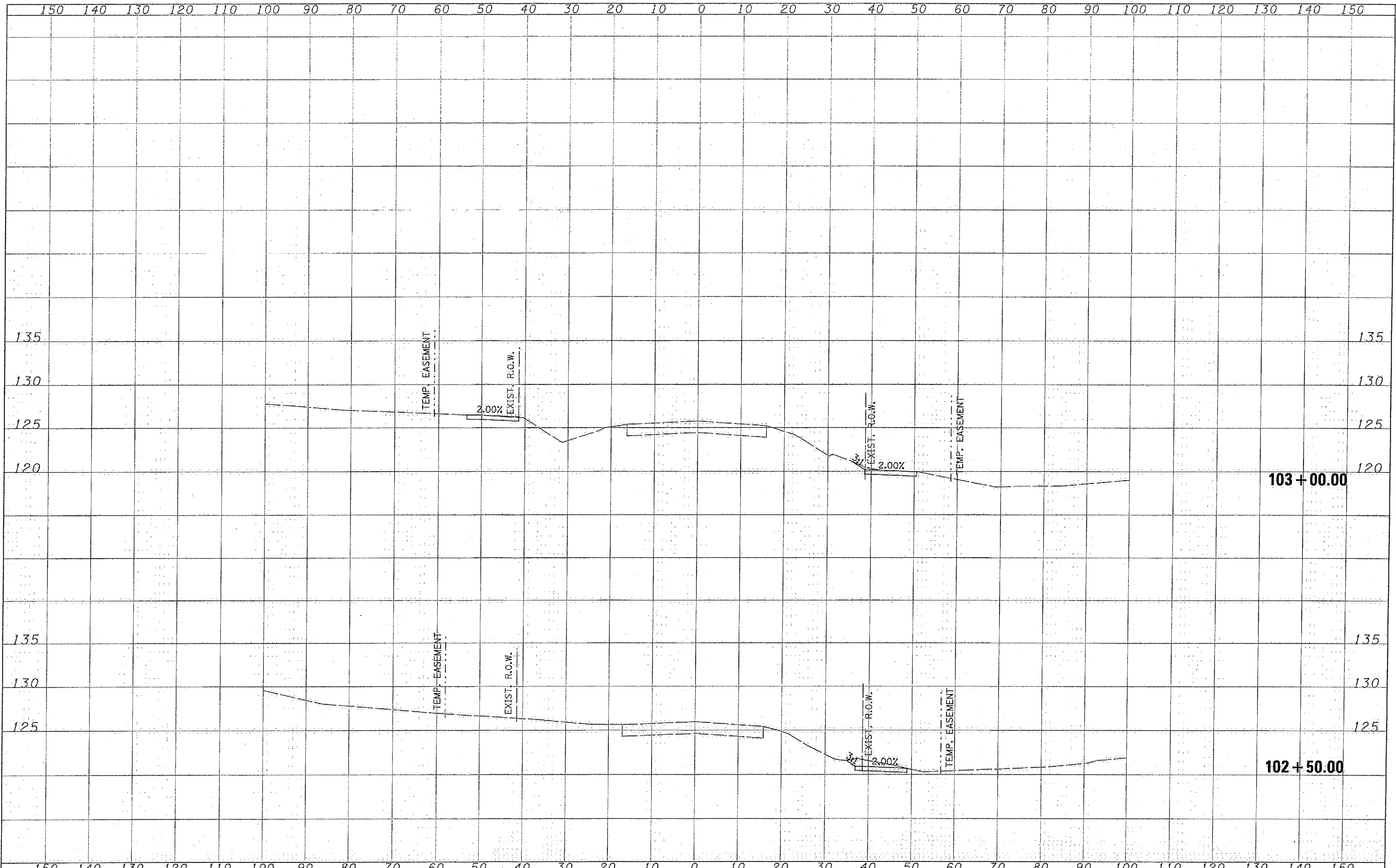
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										FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT HS 1467-104					

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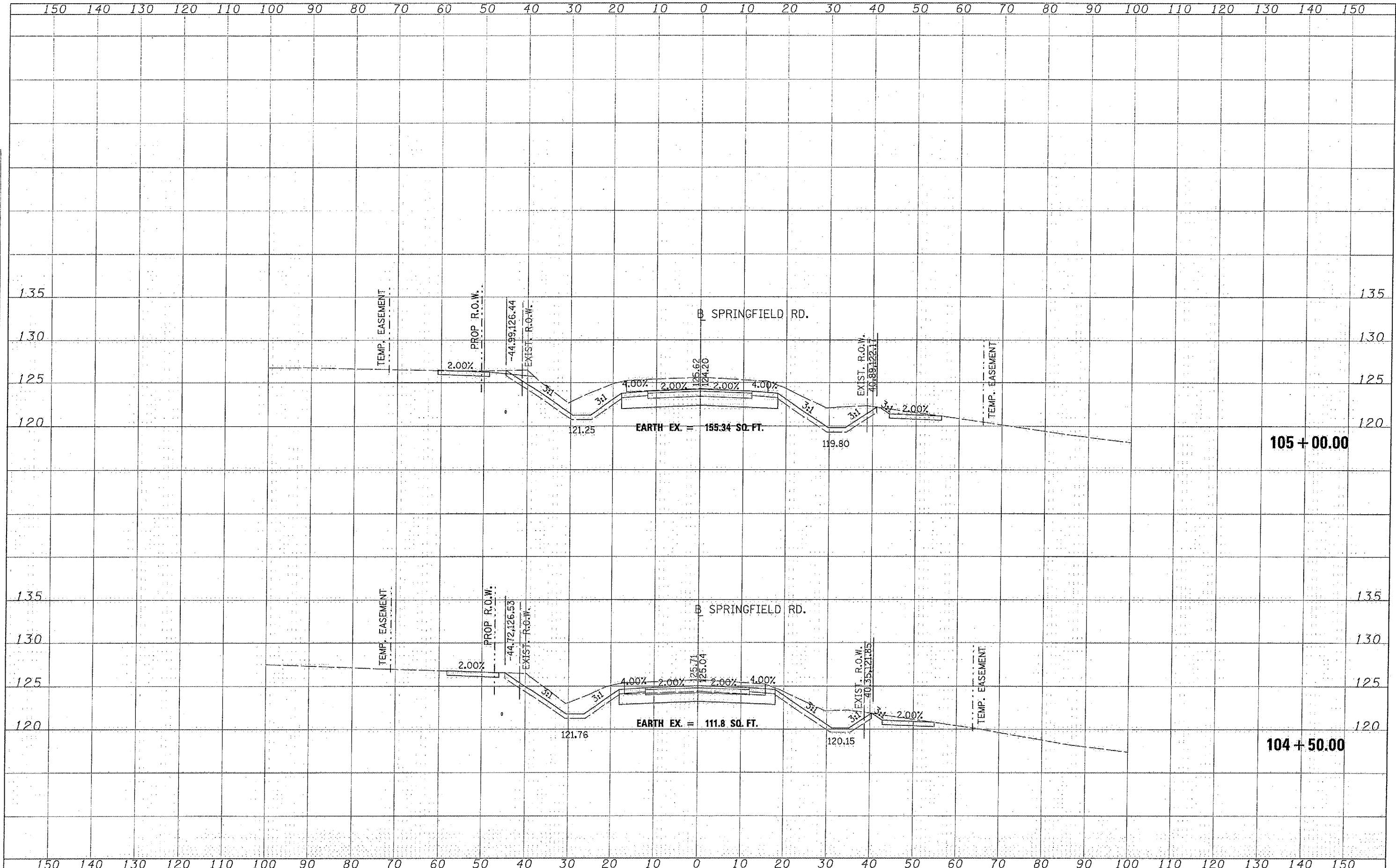
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FINAL SURVEY	SUBMITTED	DATE
NOTE BOOK	PLOTTED	BY
NO.	AREAS CHECKED	

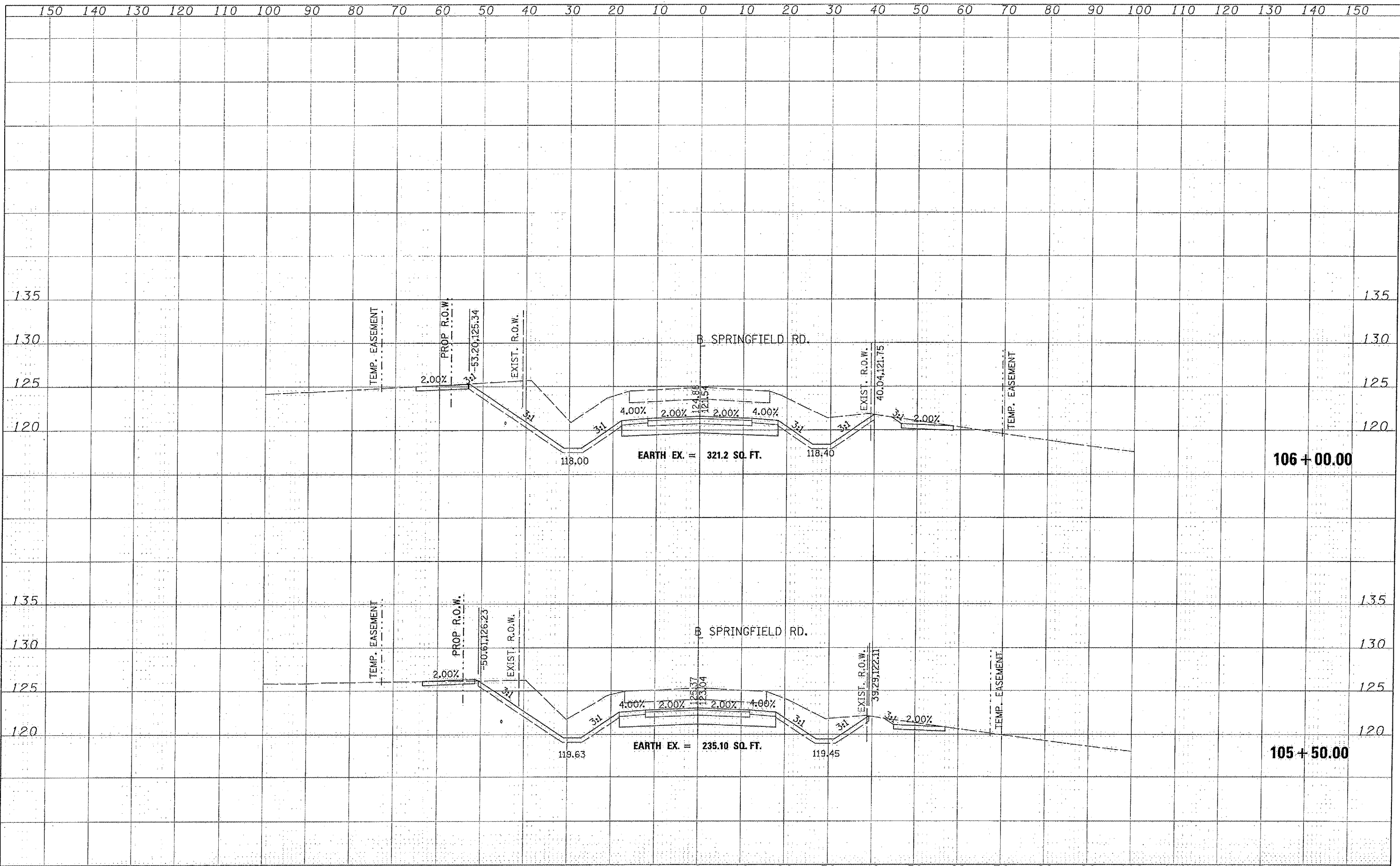
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FINAL SURVEY	DATE
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NOTED	
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ORIGINAL SURVEY	DATE
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DATE -	REVISED -

**STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION**

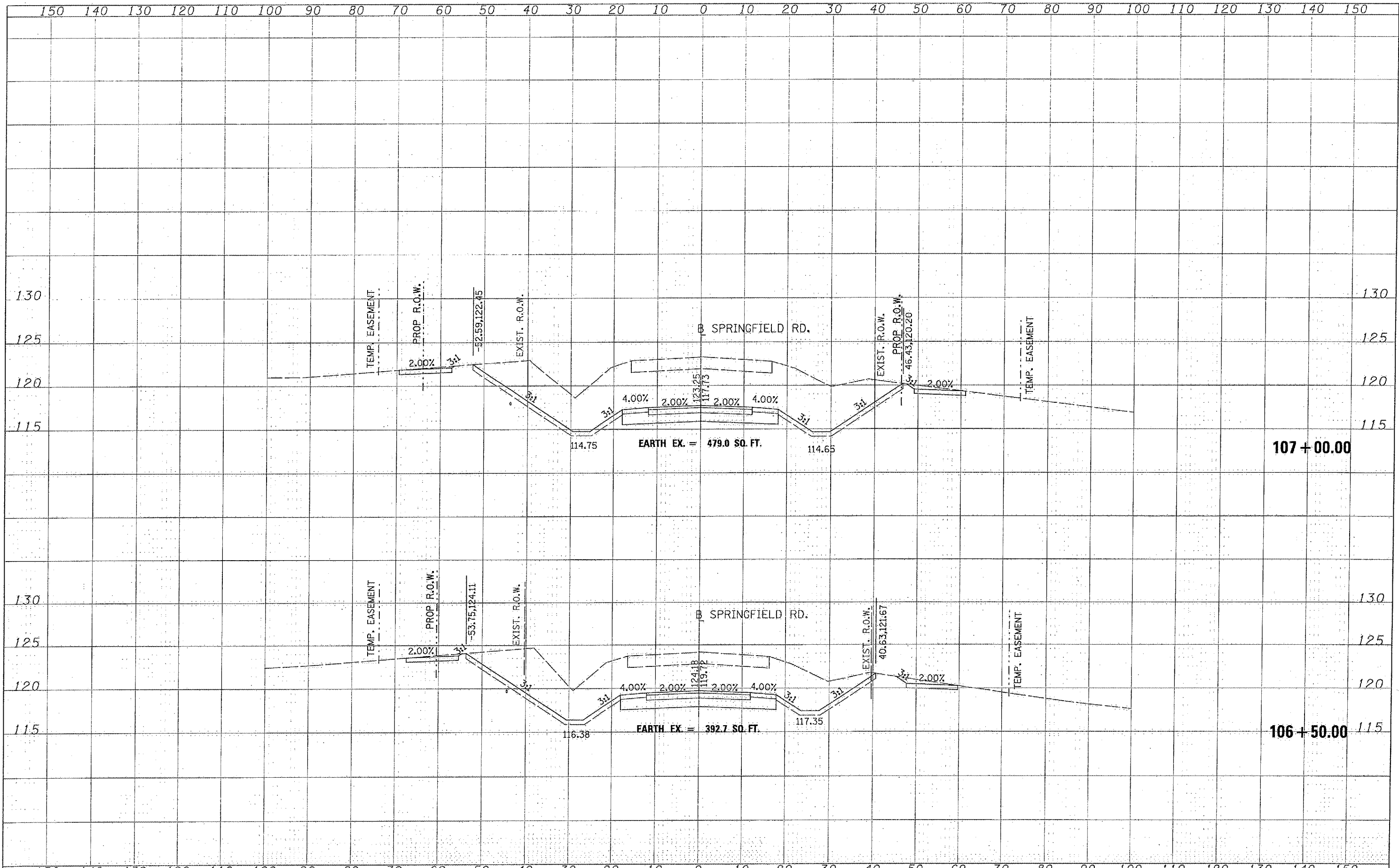
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CONTRACT NO. 89480				HS 1467-104

FINAL SURVEY	DATE
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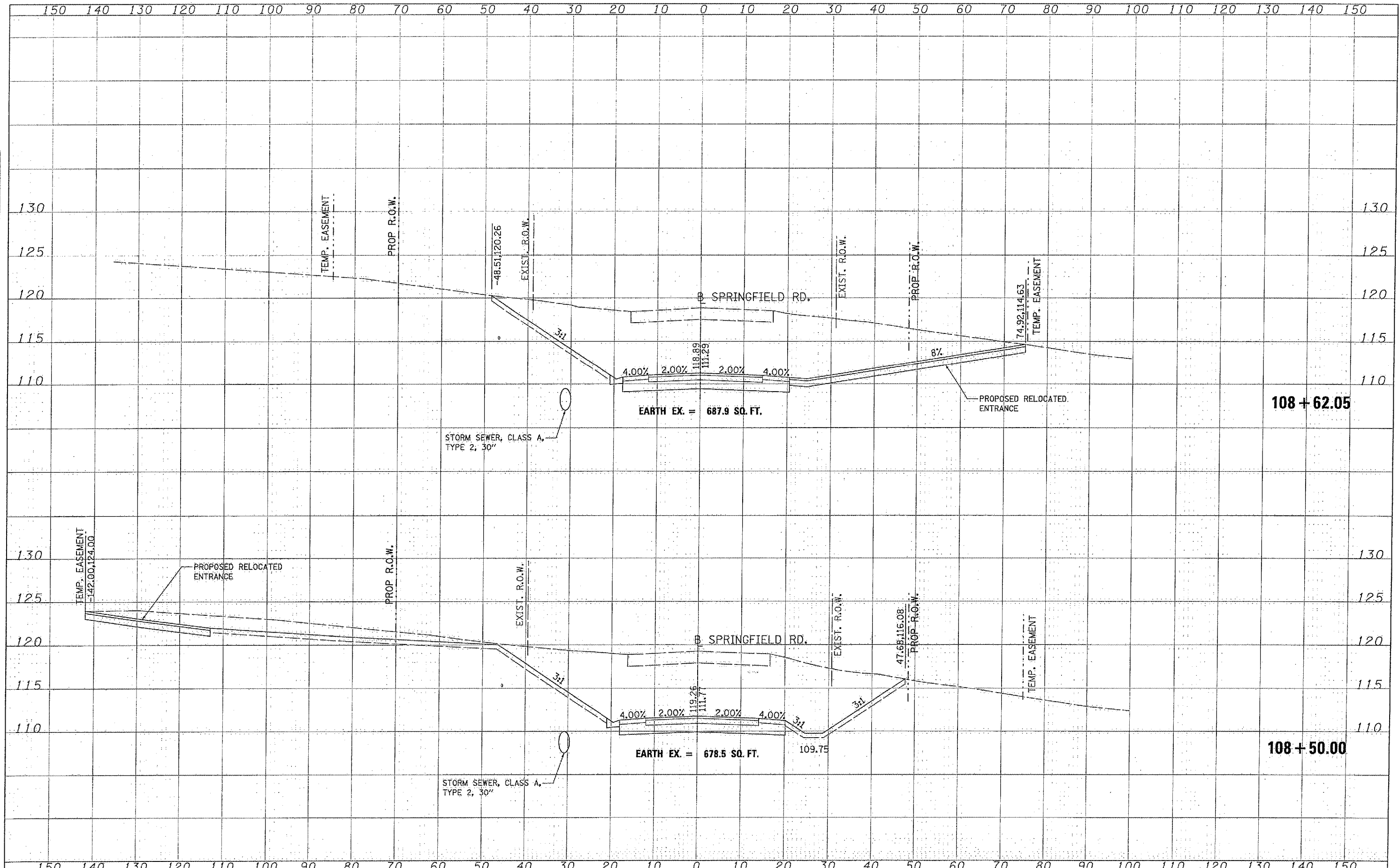


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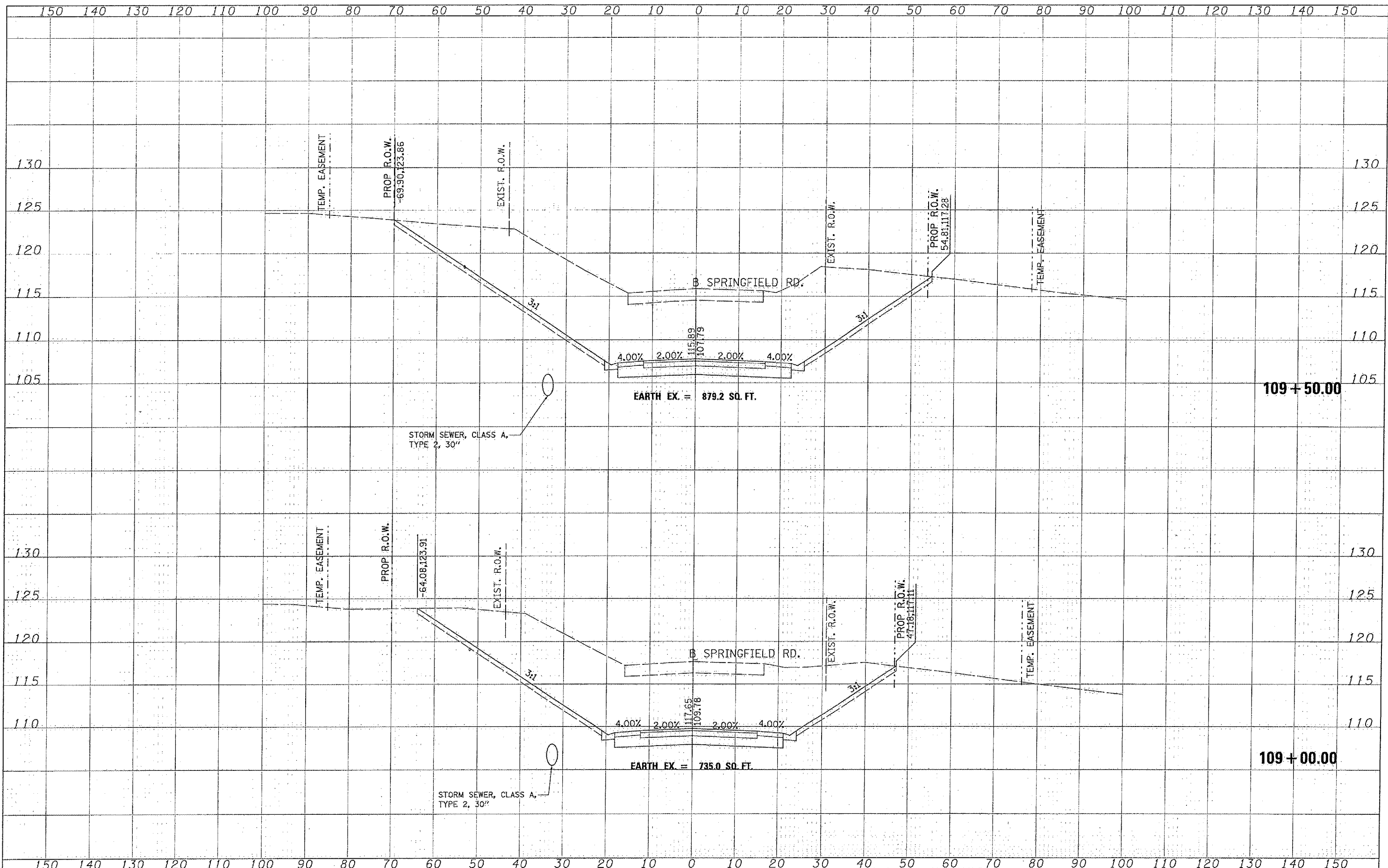
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FINAL	DATE
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NOTE BOOK	
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ORIGINAL	DATE
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**STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION**

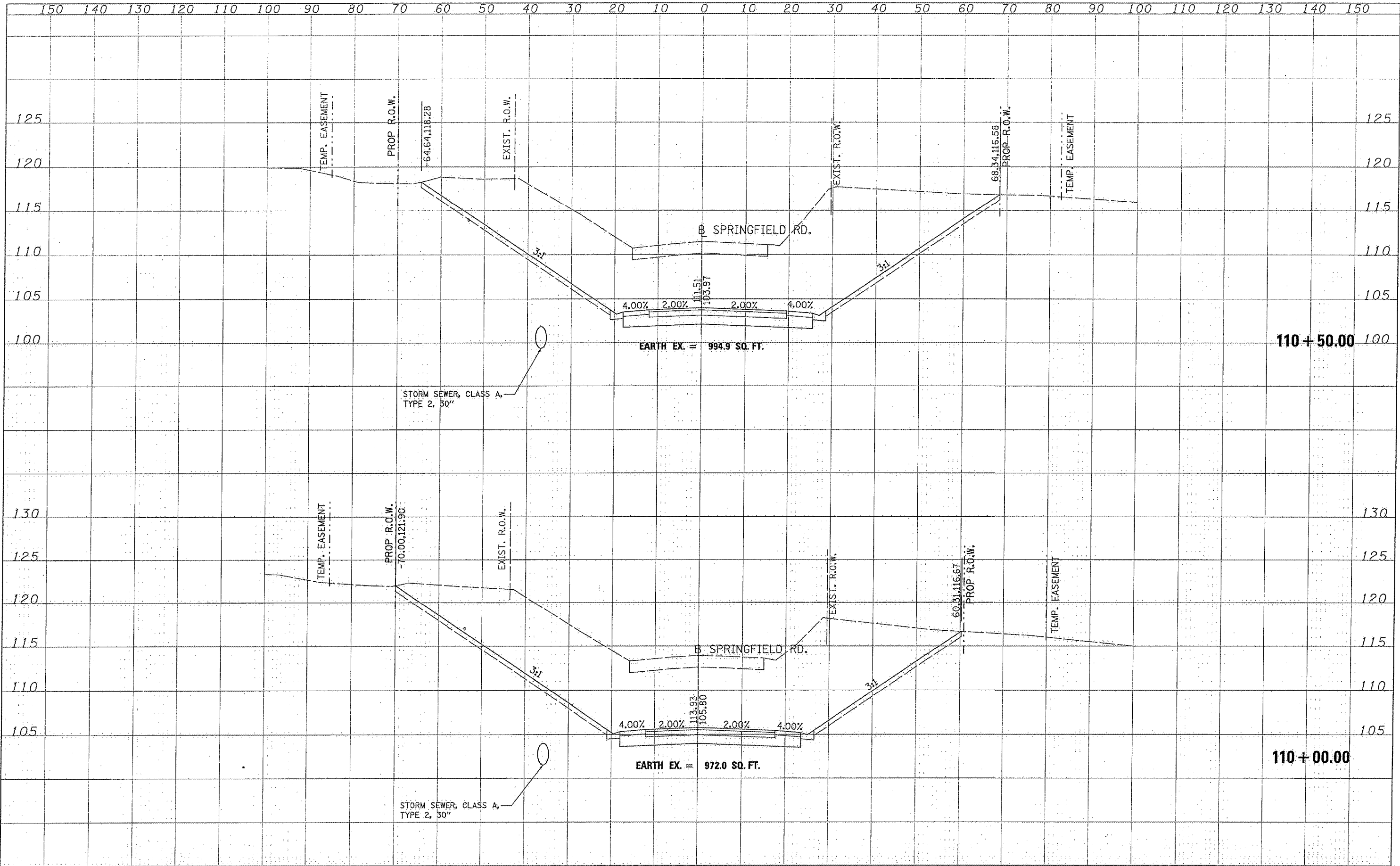
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F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
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CONTRACT NO. 89480			FED. ROAD DIST. NO. [ILLINOIS] FED. AID PROJECT HS 1467-104	

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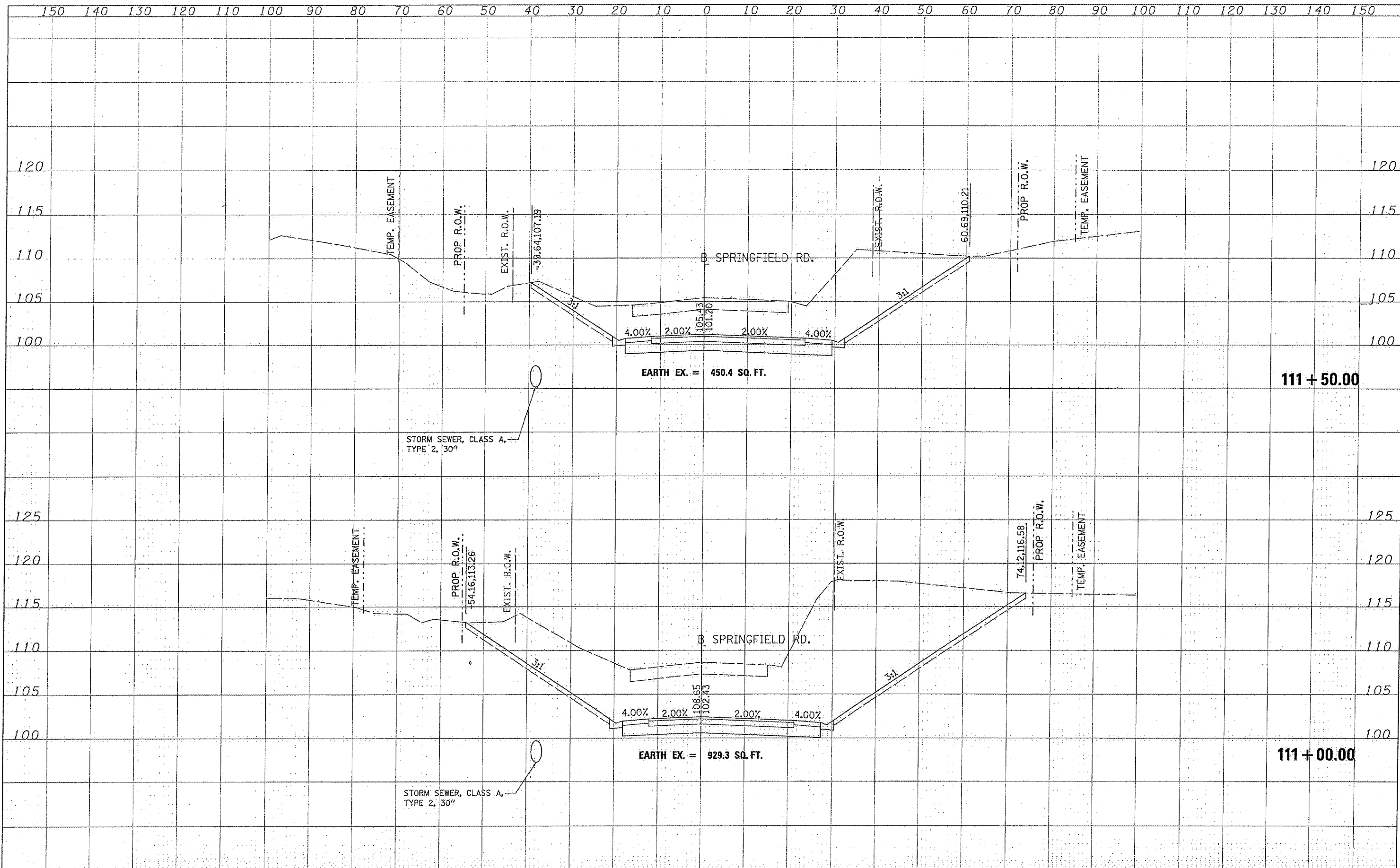


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		DATE -	REVISED -									



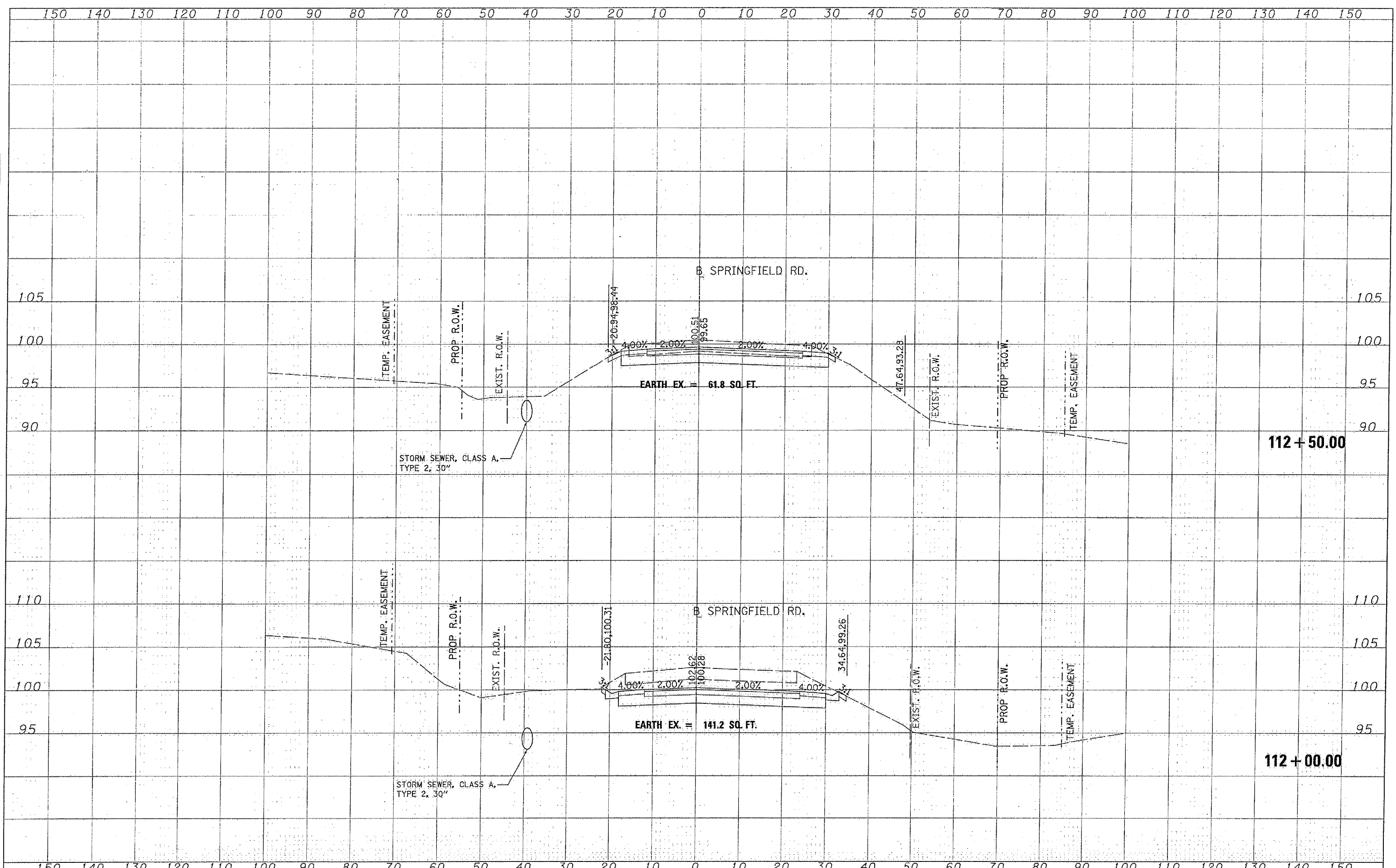
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DATE	
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NOTE BOOK	
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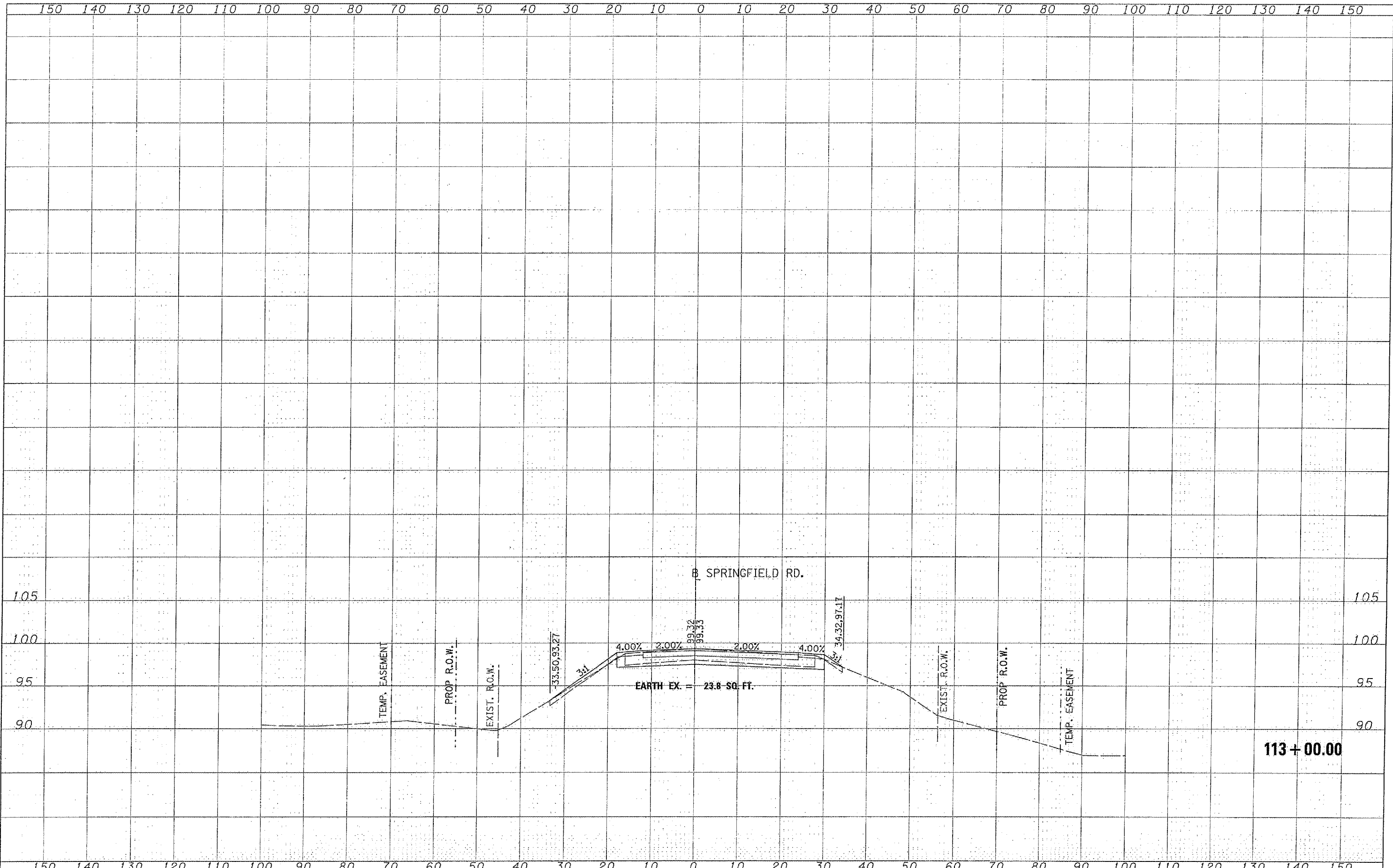
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NOTE BOOK	
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FINAL SURVEY	DATE
BY	
SURVEYED	
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TEMPERATURE	
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ORIGINAL SURVEY	DATE
BY	
SURVEYED	
NOTED	
TEMPERATURE	
AREAS CHECKED	



FILE NAME =	USER NAME = Andar00046	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	PROPOSED CROSS SECTIONS			F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
\\B2\jobs\0522246\civil\sheet\0-301-sp1.dgn		DRAWN -	REVISED -		464	07-00014-00-SP	TAZEWELL	44	43			
PLT SCALE = 22.6215' / IN.		CHECKED -	REVISED -		CONTRACT NO. 89480							
PLT DATE = 02/14/2008, 11:29 AM		DATE -	REVISED -		SCALE:	SHEET NO. OF SHEETS	STA. 113+00.00 TO STA. 113+00.00	FED. ROAD DIST. NO.	ILLINOIS FED. AID PROJECT	HS 1467-104		

BORING NO. B-03  
DATE 10-03-07  
W. & A. FILE NO. 4301  
SHEET 3 OF 3



**WHITNEY & ASSOCIATES**  
INCORPORATED  
2406 West Nebraska Avenue  
PEORIA, ILLINOIS 61604

**BORING LOG**

PROJECT SPRINGFIELD ROAD IMPROVEMENT LOCATION Tazewell County, Illinois  
BORING LOCATION Station 105+50; Left of Centerline DRILLED BY Fehl  
BORING TYPE Hollow-Stem Auger WEATHER CONDITIONS Partly Cloudy & Mild  
SOIL CLASSIFICATION SYSTEM U.S.B.S.C. SEEPAGE WATER ENCOUNTERED AT ELEVATION None  
GROUND SURFACE ELEVATION 125.4 GROUND WATER ELEVATION AT None HRS. -  
BORING DISCONTINUED AT ELEVATION (-) 7.5 Ft. GROUND WATER ELEVATION AT COMPLETION None

DESCRIPTION	DEPTH IN FEET	SAMPLE TYPE	N	Qp	Qu	Dd	Mc
BITUMINOUS CONCRETE (OLD)	12.0"						
Brown, Medium To Coarse-Grained SAND And GRAVEL	17.0"						
Stiff, Brown And Light Brown SILTY CLAY	02	SS	10	1.6	1.4	86	24
	04						
	06	SS	7	1.3	1.2	94	25
Medium, Light Brown SILT							
		SS	5	0.8	0.6	101	23
EXPLORATORY BORING DISCONTINUED	08						
	10						
	12						

N - BLOWS DELIVERED PER FOOT BY A 140 LB. HAMMER FALLING 30 INCHES  
SS - SPLIT SPOON SAMPLE  
ST - SHELBY TUBE SAMPLE

Qp - CALIBRATED PENETROMETER READING - T.S.F.  
Qu - UNCONFINED COMPRESSIVE STRENGTH - T.S.F.  
Dd - NATURAL DRY DENSITY - P.C.F.  
Mc - NATURAL MOISTURE CONTENT - %

WHITNEY & ASSOCIATES  
PEORIA, ILLINOIS

BORING NO. B-02  
DATE 10-03-07  
W. & A. FILE NO. 4301  
SHEET 2 OF 3



**WHITNEY & ASSOCIATES**  
INCORPORATED  
2406 West Nebraska Avenue  
PEORIA, ILLINOIS 61604

**BORING LOG**

PROJECT SPRINGFIELD ROAD IMPROVEMENT LOCATION Tazewell County, Illinois  
BORING LOCATION Station 108+50; Right of Centerline DRILLED BY Fehl  
BORING TYPE Hollow-Stem Auger WEATHER CONDITIONS Partly Cloudy & Mild  
SOIL CLASSIFICATION SYSTEM U.S.B.S.C. SEEPAGE WATER ENCOUNTERED AT ELEVATION None  
GROUND SURFACE ELEVATION 119.3 GROUND WATER ELEVATION AT None HRS. -  
BORING DISCONTINUED AT ELEVATION (-) 15.0 Ft. GROUND WATER ELEVATION AT COMPLETION None

DESCRIPTION	DEPTH IN FEET	SAMPLE TYPE	N	Qp	Qu	Dd	Mc
BITUMINOUS CONCRETE (OLD)	17"						
Brown, Medium- To Coarse-Grained SAND With Some Fine-Grained Gravel	19"						
Very Stiff, Gray-Brown SILTY CLAY With Considerable Fine-Grained Gravel (Fill)	03	SS	13	2.5	2.2	113	14
Medium, Brown CLAY LOAM							
	06	SS	14	3.7	3.5	122	13
Very Stiff, Light Brown, Weathered GLACIAL SILTY CLAY TILL							
	09	SS	10	2.2	2.1	119	14
	12	SS	16	3.5	3.2	122	12
Very Stiff, Gray, Unweathered GLACIAL SILTY CLAY TILL							
	15	SS	9	2.6	2.4	120	14
EXPLORATORY BORING DISCONTINUED							
	18						

N - BLOWS DELIVERED PER FOOT BY A 140 LB. HAMMER FALLING 30 INCHES  
SS - SPLIT SPOON SAMPLE  
ST - SHELBY TUBE SAMPLE

Qp - CALIBRATED PENETROMETER READING - T.S.F.  
Qu - UNCONFINED COMPRESSIVE STRENGTH - T.S.F.  
Dd - NATURAL DRY DENSITY - P.C.F.  
Mc - NATURAL MOISTURE CONTENT - %

WHITNEY & ASSOCIATES  
PEORIA, ILLINOIS

BORING NO. B-01  
DATE 10-03-07  
W. & A. FILE NO. 4301  
SHEET 1 OF 3



**WHITNEY & ASSOCIATES**  
INCORPORATED  
2406 West Nebraska Avenue  
PEORIA, ILLINOIS 61604

**BORING LOG**

PROJECT SPRINGFIELD ROAD IMPROVEMENT LOCATION Tazewell County, Illinois  
BORING LOCATION Station 111+50; Left of Centerline DRILLED BY Fehl  
BORING TYPE Hollow-Stem Auger WEATHER CONDITIONS Partly Cloudy & Mild  
SOIL CLASSIFICATION SYSTEM U.S.B.S.C. SEEPAGE WATER ENCOUNTERED AT ELEVATION (-) 8.5 Ft.  
GROUND SURFACE ELEVATION 105.4 GROUND WATER ELEVATION AT None HRS. -  
BORING DISCONTINUED AT ELEVATION (-) 10.0 Ft. GROUND WATER ELEVATION AT COMPLETION (-) 7.8 Ft. CAVE-IN

DESCRIPTION	DEPTH IN FEET	SAMPLE TYPE	N	Qp	Qu	Dd	Mc
BITUMINOUS CONCRETE	16.5"						
Brown, Medium To Coarse-Grained SAND With Some Fine-Grained Gravel	19.5"						
Stiff, Gray-Brown SILTY CLAY With Occasional Fine-Grained Gravel (Fill)	02	SS	4	1.3	1.1	105	16
	04						
Very Stiff, Brown, Weathered GLACIAL SILTY CLAY TILL		SS	9	3.2	3.0	120	13
	06						
Medium-Density, Light Brown, Medium- To Coarse-Grained SAND With Considerable Silty Clay And Fine-Grained Gravel		SS	13	-	-	-	9
	08						
Very Stiff, Gray, Unweathered GLACIAL SILTY CLAY TILL		SS	14	2.4	2.2	119	14
EXPLORATORY BORING DISCONTINUED							
	12						

N - BLOWS DELIVERED PER FOOT BY A 140 LB. HAMMER FALLING 30 INCHES  
SS - SPLIT SPOON SAMPLE  
ST - SHELBY TUBE SAMPLE

Qp - CALIBRATED PENETROMETER READING - T.S.F.  
Qu - UNCONFINED COMPRESSIVE STRENGTH - T.S.F.  
Dd - NATURAL DRY DENSITY - P.C.F.  
Mc - NATURAL MOISTURE CONTENT - %

WHITNEY & ASSOCIATES  
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