

11-9-12 LETTING ITEM 010

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION
DIVISION OF HIGHWAYS

**PROPOSED
HIGHWAY PLANS**

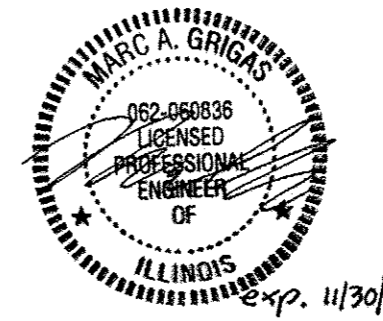
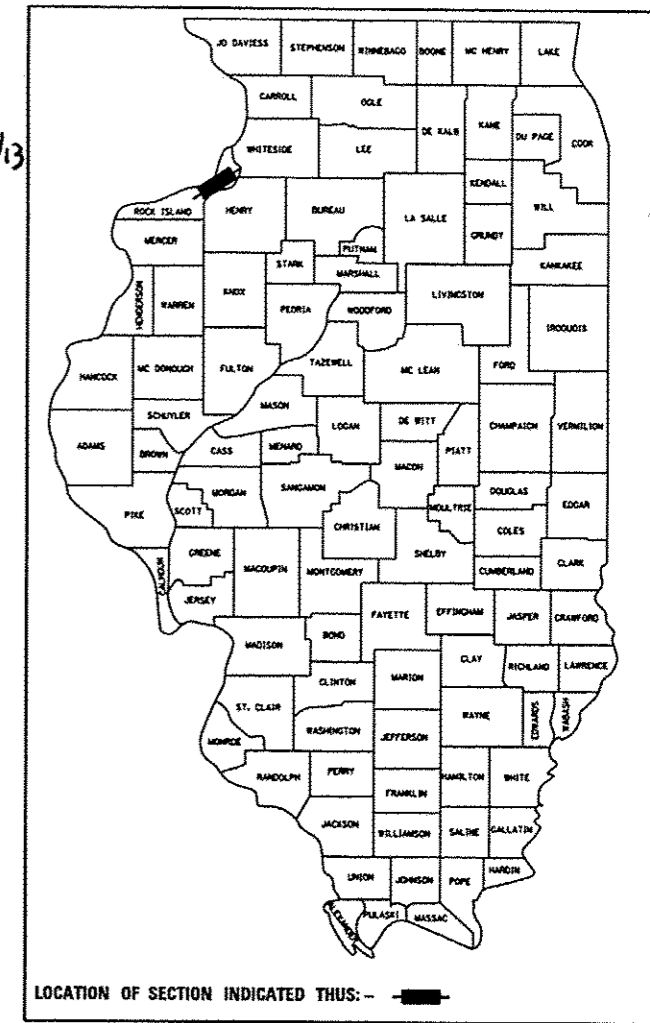
FAP ROUTE 308 (IL 84)
SECTION 110T
PROJECT :ACHNF-0308(039)
CULVERT REPLACEMENT
ROCK ISLAND COUNTY

FOR INDEX OF SHEETS, SEE SHEET NO. 2
FOR STATE STANDARDS, SEE SHEET NO. 2
FUNCTIONAL CLASSIFICATION
RURAL MINOR ARTERIAL
2011 ADT = 4100
SPEED LIMIT = 55 MPH

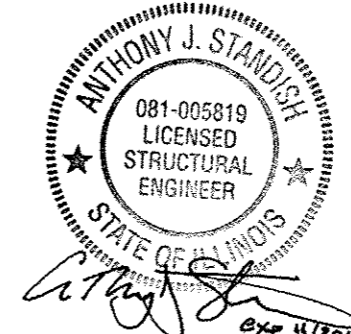
STRUCTURE REMOVAL AND REPLACEMENT STA. 944 + 70.80
(EXISTING SN = 081-2001) (PROPOSED SN = 081-2038)

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
308	110T	ROCK ISLAND	51	1
FED. ROAD DIST. NO. 2	ILLINOIS	CONTRACT NO. 64925		

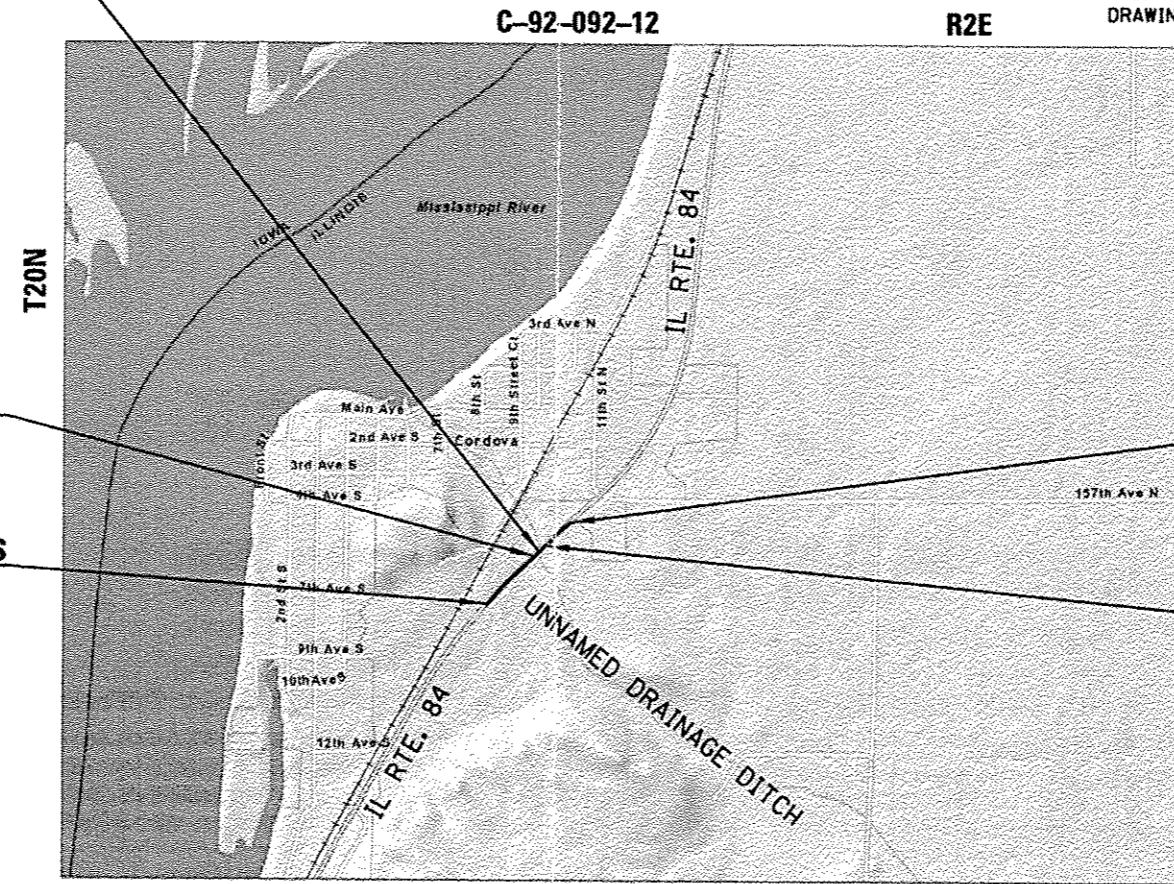
D-92-076-03



MARC A. GRIGAS, P.E.
THIS STAMP APPLIES TO
DRAWINGS NO. 1-27, 35-51



ANTHONY J. STANDISH, P.E., S.E.
THIS STAMP APPLIES TO
DRAWINGS NO. 28-34

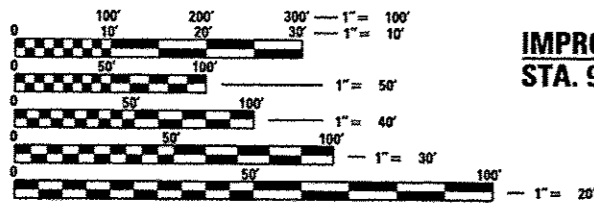


SECTION BEGINS
STA. 944 + 40

IMPROVEMENT BEGINS
STA. 939 + 75

IMPROVEMENT ENDS
STA. 949 + 13

SECTION ENDS
STA. 945 + 00



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

CORDOVA TOWNSHIP, SECTION 31
PROJECT ENGINEER: BECKY MARRUFFO
PROJECT MANAGER DERRICK LOPEZ (815) 284-5930

LOCATION MAP

1" = 0.19 MILE

GROSS LENGTH = 60 FT. = 0.011 MILE
NET LENGTH = 938 FT. = 0.178 MILE



SA
STRAND
ASSOCIATES*

1170 SOUTH HOUBOLT ROAD
JOLIET, ILLINOIS 60431
815/744-4200
IDFP# NO. 184001273

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION
DIVISION OF HIGHWAYS

SUBMITTED August 16 20 12
Eric S. Zwickler
DEPUTY DIRECTOR OF HIGHWAYS, REGION ENGINEER

October 5 20 12
John D. Baranelli, P.E., Ia
acting ENGINEER OF DESIGN AND ENVIRONMENT

October 5 20 12
William R. Frey, Ia
acting DIRECTOR OF HIGHWAYS, CHIEF ENGINEER

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

CONSULTANT: STRAND ASSOCIATES, INC. (815) 744-4200

1. SEE CROSS SECTIONS FOR SPECIAL DITCHES AND BACKSLOPES.
2. THE FINAL TOP FOUR INCHES OF SOIL IN ANY RIGHT-OF-WAY AREA DISTURBED BY THE CONTRACTOR MUST BE CAPABLE OF SUPPORTING VEGETATION. THE SOIL MUST BE FROM THE A HORIZON (ZERO TO 2' DEEP) OF SOIL PROFILES OF LOCAL SOILS.
3. ALL BORROW/WASTE/USE SITES MUST BE APPROVED BY THE DEPARTMENT PRIOR TO REMOVING ANY MATERIAL FROM THE PROJECT OR INITIATING ANY EARTH MOVING ACTIVITIES, INCLUDING TEMPORARY STOCKPILING OUTSIDE THE LIMITS OF CONSTRUCTION.
4. THE CONTRACTOR SHALL SEED ALL DISTURBED AREAS WITHIN THE PROJECT LIMITS. SEEDING CLASS 4 OR 2A SHALL BE USED, EXCEPT IN FRONT OF PROPERTIES WHERE THE GRASS WILL BE MOWED, THEN USE SEEDING, CLASS 1. CLASS 2A SHALL BE USED ON FRONT SLOPES AND DITCH BOTTOMS. CLASS 4 SHALL BE USED BEHIND TYPE A GUTTER, ON ALL BACKSLOPES AND AREAS BEHIND THE BACKSLOPE, AND BEYOND THE TOE OF FRONT SLOPE ON FILL SECTIONS WITHOUT DITCHES. THIS WORK WILL BE INCLUDED IN THE CONTRACT UNIT PRICE PER CUBIC YARD FOR EARTH EXCAVATION.
5. FERTILIZER SHALL BE APPLIED TO ALL DISTURBED AREAS AND INCORPORATED INTO THE SEEDBED PRIOR TO SEEDING OR PLACEMENT OF SOD AT THE RATE SPECIFIED IN SECTIONS 250 AND 252 OF THE STANDARD SPECIFICATIONS. THIS WORK SHALL BE INCLUDED IN THE COST OF EARTH EXCAVATION.
6. MULCH METHOD II SHALL BE APPLIED OVER ALL SEEDED AREAS. THIS SHALL BE INCLUDED IN THE COST OF EARTH EXCAVATION.
7. PREVIOUSLY PUGMILLED STOCKPILES OF "TYPE A" OLDER THAN 1 MONTH WILL NOT BE APPROVED FOR USE UNTIL A MOISTURE CHECK IS RUN TO VERIFY MOISTURE CONTENT. MATERIAL SHIPPED TO PROJECTS WITHOUT BEING TESTED WILL NOT BE ACCEPTED.
8. PLACEMENT AND COMPACTION OF THE BACKFILL FOR PROPOSED ACROSS ROAD CULVERTS AND EXISTING ACROSS ROAD CULVERTS THAT ARE REMOVED SHALL CONFORM TO SECTION 502.10 OF THE STANDARD SPECIFICATIONS, EXCEPT THAT THE MATERIAL SHALL CONFORM TO ARTICLE 208.02 OF THE STANDARD SPECIFICATIONS. AND SHALL BE COMPACTED TO A MINIMUM OF 95% OF THE STANDARD LABORATORY DENSITY. ANY MATERIAL CONFORMING TO THE REQUIREMENTS OF ARTICLE 1003.04 OR 1004.05 WHICH HAS BEEN EXCAVATED FROM THE TRENCHES SHALL BE USED FOR BACKFILLING THE TRENCHES. THE ENTIRE EXCAVATION, WITHIN 2 FEET OUTSIDE OF EACH SHOULDER, SHALL BE BACKFILLED WITH TRENCH BACKFILL MATERIAL TO THE BOTTOM OF THE PROPOSED SUBGRADE. IMPERVIOUS MATERIALS SHALL BE USED ON THE OUTER 3 FEET AT EACH END OF THE CULVERT. THIS TRENCH BACKFILL MATERIALS WILL NOT BE MEASURED FOR PAYMENT, BUT SHALL BE INCLUDED IN THE CONTRACT UNIT PRICE FOR THE CLASS OF CONCRETE INVOLVED OR OTHER UNIT PRICE ITEM OF THE WORK FOR WHICH IS REQUIRED.
9. CLASS C PATCHES SHALL BE TIED TO THE ADJACENT LANE WHEN THE PATCHES ARE MORE THAN 20 FT. THE COST OF THE TIE BARS SHALL BE INCLUDED IN THE COST OF THE PATCH.
10. THE EXISTING HOT-MIX ASPHALT ON PRIVATE AND COMMERCIAL ENTRANCES SHALL BE BLADED OFF OR MILLED AND DISPOSED OF OUTSIDE THE PROJECT LIMITS. THIS COULD BE THE ENTIRE ENTRANCE OR TAPERED AT THE END DEPENDING ON IF THE MAINLINE IS RESURFACED OR MILLED AND RESURFACED. THE COST OF THE BLADING, MILLING, ROLLING, AND DISPOSAL IS INCLUDED IN THE CONTRACT UNIT PRICE FOR INCIDENTAL HOT-MIX ASPHALT SURFACING.
11. THE FOLLOWING MIXTURE REQUIREMENTS ARE APPLICABLE FOR THIS PROJECT:

MIXTURE USES	SHOULDER SURFACE	SHOULDER BASE
PG ₁	PG 64-22	PG 64-22
DESIGN AIR VOIDS:	4.0% @ N DESIGN=50	2% @ N DESIGN=50
MIXTURE COMPOSITION (GRADATION MIXTURE)	IL-9.5 MM OR IL-12.5 MM	BAM OR IL 19.0
FRICTION AGGREGATE	C	N/A
20 YEAR ESAL	0.9	N/A
12. THE NEW NUMBER FOR THIS STRUCTURE WILL BE S.N. 081-2038.
13. CULVERT & BRIDGE FLOWS MUST BE MAINTAINED THROUGHOUT THE PROJECT. NORMAL FLOW SHALL BE ALLOWED TO PASS AT THE RATE IT ENTERS THE JOB SITE. HIGH FLOWS SHALL BE ALLOWED TO PASS WITHOUT CAUSING DAMAGE TO UPSTREAM PROPERTIES.
14. THE PROPOSED PIPES FOR ENTRANCES AND SIDE ROADS SHALL BE PLACED IN LINE WITH THE EXISTING OR PROPOSED DITCH LINE
15. WHERE FIELD TILE IS ENCOUNTERED, STORM SEWER OR PIPE DRAIN WILL BE USED IN ACCORDANCE WITH SECTION 611. THE MINIMUM SIZE FOR REPLACEMENT WILL BE 6" FOR PIPE DRAINS AND 8" FOR STORM SEWER, BUT THE SIZE MUST BE AT LEAST 2" LARGER THAN THE ADJOINING TILE. A FIELD TILE JUNCTION VAULT WILL BE CONSTRUCTED AT THE RIGHT-OF-WAY TO CONNECT THE TILE AND STORM SEWER. SEE THE SUMMARY OF QUANTITIES FOR THE ESTIMATED QUANTITIES.
16. EMBANKMENT QUANTITIES FOR THE CONSTRUCTION OF THE TRAFFIC BARRIER TERMINALS AS SHOWN IN THE PLANS ARE INCLUDED IN QUANTITIES FOR EARTH EXCAVATION.
17. THE CONTRACTOR SHALL SUPPLY THE RESIDENT ENGINEER WITH THE MANUFACTURER'S INSTALLATION REQUIREMENTS FOR THE TYPE OF STEEL PLATE BEAM GUARDRAIL TERMINAL TYPE I SPECIAL (TANGENT) OR STEEL PLATE BEAM GUARDRAIL TERMINAL TYPE I SPECIAL (FLARED).
18. DELINEATORS SHALL BE INSTALLED AS SHOWN IN STANDARD 635001, EXCEPT THAT THE POST SHALL BE ROTATED 180° AND ONLY METAL-BACKED DELINEATORS SHALL BE PERMITTED. DELINEATORS SHALL BE PLACED AT THE ENDS OF APPROACH GUARDRAIL TERMINAL SECTIONS, AND AT EACH HEADWALL OR END SECTION OF AR CULVERTS. THIS WORK WILL BE PAID FOR AT THE CONTRACT UNIT PRICE EACH FOR DELINEATORS.
19. ONE 16d GALVANIZED NAIL SHALL BE USED TO NAIL THE WOOD BLOCK OUT TO THE WOOD POST ON ALL TRAFFIC BARRIER TERMINAL TYPE I SPECIALS.
20. THE CONTRACTOR SHALL BE RESPONSIBLE FOR COLLECTING AND MAINTAINING AN ELECTRONIC LOG OF ALL STAKEOUT SURVEY THAT IS PERFORMED ON THE JOB, EITHER BY HIM/HER OR ANY SUBCONTRACTOR PERFORMING THE STAKEOUT. UPON REQUEST, ALL LOGS SHALL BE SUBMITTED TO THE DEPARTMENT. NO ADDITIONAL COMPENSATION WILL BE ALLOWED FOR THIS WORK, BUT SHALL BE CONSIDERED INCLUDED IN THE COST FOR CONSTRUCTION LAYOUT.
21. PAVEMENT MARKING SHALL BE DONE ACCORDING TO STANDARD 780001, EXCEPT AS FOLLOWS: 1. ALL WORDS, SUCH AS ONLY, SHALL BE 2.4 M (8 FEET) HIGH. 2. ALL NON-FREEWAY ARROWS SHALL BE THE LARGE SIZE. 3. THE DISTANCE BETWEEN YELLOW NO-PASSING LINES SHALL BE 200 MM (8"), NOT 180 MM (7") AS SHOWN IN THE DETAIL OF TYPICAL LANE AND EDGE LINES.
22. PERMANENT SURVEY MARKERS, TYPE II, SHALL BE SET AT INTERVALS OF 1.6 KM (1 MILE) OR AS DIRECTED BY THE ENGINEER. BRIDGE OR CULVERT PROJECTS SHALL HAVE ONE SURVEY MARKER PLACED NEAR THE STRUCTURE. ESTIMATED: 2 EACH.
23. THE CONTRACTOR SHALL SUBMIT TO THE ENGINEER A DESCRIPTION OF LOCATION, ELEVATION, AND COORDINATES FOR EACH PERMANENT SURVEY MARKER. THE HORIZONTAL COORDINATES MUST BE DERIVED BY GPS AND THE ELEVATION DERIVED USING AN ELECTRONIC LEVEL. THE META DATA, SUCH AS THE GEOID USED, (NGS ADJUSTMENT IE: 97 HARN, 03, 07), AND THE BASE POINT(S) NAME OR NUMBER SHALL BE SUBMITTED ALONG WITH A COMPLETE COLLECTION LOG. IF COLLECTED USING RTK METHOD, IT WILL REQUIRE EITHER 3 COLLECTIONS (AVERAGED) FROM 2 DIFFERENT BASES, OR A MINIMUM OF 3 COLLECTIONS (AVERAGED), AT LEAST 2 HOURS APART, FROM THE SAME BASE. IF USING A CORS TYPE NETWORK, THE COLLECTION PROCEDURE SHALL INCLUDE LOCALIZING WITH CHECK SHOTS ON AT LEAST 2 DIFFERENT HARN MONUMENTS BOTH BEFORE AND AFTER COLLECTION. THE LEVEL CIRCUIT SHALL BE RUN FROM FURNISHED MARK TO FURNISHED MARK AND THEN ADJUSTED. THE ERROR OF CLOSURE SHALL BE SUBMITTED WITH THE ELECTRONIC LEVEL NOTES IN A RECOGNIZED FORMAT APPROVED BY THE ENGINEER AND/OR CHIEF OF SURVEYS. THE ENGINEER SHALL SUBMIT THIS INFORMATION TO THE DISTRICT CHIEF OF SURVEYS.
24. THE TEMPORARY CONCRETE BARRIER SHALL BE ANCHORED TO THE PAVEMENT WITH 6 ANCHORS PER SECTION AT THE FOLLOWING LOCATIONS:

STAGE 1	STAGE 2
STA. 943+30.09 TO STA. 946+79.82	STA. 942+33.21 TO STA. 946+32.99
25. THE APPLICABLE PORTIONS OF ARTICLE 105.07 OF THE STANDARD SPECIFICATION SHALL APPLY EXCEPT FOR THE FOLLOWING: THE CONTRACTOR SHALL BE RESPONSIBLE TO LOCATE THE VERTICAL DEPTHS OF THE UNDERGROUND UTILITIES WHICH MAY INTERFERE WITH CONSTRUCTION OPERATIONS. THIS WORK WILL NOT BE MEASURED OR PAID FOR SEPARATELY, BUT SHALL BE CONSIDERED AS INCLUDED IN THE UNIT BID PRICE FOR THE ITEM OF CONSTRUCTION INVOLVED. PER SB 699 (90 DAY UTILITY RELOCATION LAW), ONCE RIGHT-OF-WAY IS CLEAR TO AWARD THE PROJECT, A NOTICE WILL BE SENT TO THE UTILITY COMPANIES INSTRUCTING THEM TO HAVE THEIR FACILITIES RELOCATED WITHIN 90 DAYS. ESTIMATED DATE RELOCATION COMPLETE = AWARD DATE + 100 DAYS.
26. CADD DATA WILL BE AVAILABLE TO CONTRACTORS AND CONSULTANTS WORKING ON THIS PROJECT. THIS INFORMATION WILL BE PROVIDED UPON REQUEST AS MICROSTATION CADD FILES AND GEOPAK COORDINATE GEOMETRY FILES ONLY. IF DATA IS REQUIRED IN OTHER FORMATS IT WILL BE YOUR RESPONSIBILITY TO MAKE THESE CONVERSIONS. IF ANY DISCREPANCY OR INCONSISTENCY ARISES BETWEEN THE ELECTRONIC DATA AND THE INFORMATION ON THE HARD COPY, THE INFORMATION ON THE HARD COPY SHOULD BE USED. CONTACT THE DISTRICT'S PROJECT ENGINEER TO REQUEST THESE FILES.
27. TEMPORARY IMPACT ATTENUATORS WILL BE MEASURED AS EACH FOR EACH ATTENUATOR SUPPLIED ON THE JOB AS SPECIFIED IN THE PLANS, AND SHALL INCLUDE THE COST OF RENTING/OWING THE ATTENUATOR FOR THE TIME REQUIRED ON THE JOB PLUS HAULING TO AND FROM THE PROJECT SITE, AS WELL AS ONE PLACEMENT AND REMOVAL FROM THE ROADWAY. THIS SHALL BE PAID FOR AT THE CONTRACT UNIT PRICE PER EACH FOR IMPACT ATTENUATORS, TEMPORARY OF THE TYPE SPECIFIED.

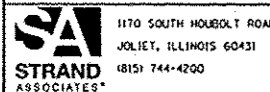
RELOCATE TEMPORARY IMPACT ATTENUATORS WILL BE PAID FOR AS EACH AND WILL BE PAID FOR EACH TIME THE IMPACT ATTENUATOR IS REQUIRED BY STAGING TO BE PICKED UP AND MOVED TO A DIFFERENT LOCATION ON THE PROJECT, WHETHER IT IS TO ANOTHER LOCATION ON THE ROADWAY OR TO A STORAGE/STAGING LOCATION FOR THE PROJECT. THIS SHALL BE PAID FOR AT THE CONTRACT UNIT PRICE PER EACH FOR IMPACT ATTENUATORS, RELOCATE OF THE TYPE SPECIFIED.
28. TEMPORARY TAPERS SHALL BE CONSTRUCTED ON ALL BRIDGES WHEN THE ADJACENT RESURFACING CANNOT BE PLACED BEFORE WINTER. QUANTITIES HAVE BEEN INCLUDED IN THE PLANS FOR A 50' TO 1' V/H TAPER ON INTERSTATE AND 30' TO 1' V/H TAPER ON ALL OTHER HIGHWAYS. THE TAPER SHALL BE REMOVED BEFORE RESURFACING AND WILL BE INCLUDED IN THE COST OF HOT-MIX ASPHALT SURFACE COURSE.
29. INSTALL RUMBLE STRIPS IN ALL SHOULDERS IN ACCORDANCE WITH STATE STANDARD 642006. RUMBLE STRIPS SHALL BE PLACED ON SHOULDERS ON BOTH SIDES OF THE PAVEMENT.
30. BITUMINOUS AND AGGREGATE PRIME COAT SHALL BE PLACED IN ACCORDANCE WITH SECTION 406 OF THE STANDARD SPECIFICATIONS. THE COST OF THE PRIME COATS SHALL BE INCLUDED IN THE CONTRACT UNIT PRICE PER TON FOR HMA SURFACE COURSE OF THE TYPE SPECIFIED.
31. THIS WORK SHALL BE DONE IN ACCORDANCE WITH SECTION 704 OF THE STANDARD SPECIFICATIONS. TEMPORARY CONCRETE BARRIER WILL BE MEASURED IN FEET ALONG THE CENTERLINE OF THE BARRIERS AND SHALL INCLUDE THE COST OF RENTING/OWNING THE BARRIER FOR THE TIME REQUIRED ON THE JOB PLUS HAULING TO AND FROM THE PROJECT SITE, AS WELL AS ONE PLACEMENT AND REMOVE AL FROM THE ROADWAY IN ACCORDANCE WITH SECTION 704 OF THE STANDARD SPECIFICATIONS. THIS SHALL BE PAID FOR AT THE CONTRACT UNIT PRICE PER FOOT FOR TEMPORARY CONCRETE BARRIER.

RELOCATE TEMPORARY CONCRETE BARRIER WILL BE PAID FOR IN FEET ALONG THE CENTERLINE OF THE BARRIER, AND WILL BE PAID FOR EACH TIME THE BARRIERS REQUIRED BY STAGING TO BE PICKED UP AND MOVED TO A DIFFERENT LOCATION ON THE PROJECT, WHETHER IT IS TO ANOTHER LOCATION ON THE ROADWAY OR TO A STORAGE. STAGING LOCATION FOR THE PROJECT. THIS SHALL BE PAID FOR AT THE CONTRACT UNIT PRICE PER FOOT FOR REALLOCATE TEMPORARY CONCRETE BARRIER.
32. A NATIONWIDE 404 PERMIT HAS BEEN ISSUED FOR THIS PROJECT AND THE CONDITIONS OF THAT PERMIT MUST BE ADHERED TO.
33. THE BORING LOGS FOR THIS STRUCTURE INDICATE THAT GROUNDWATER LEVELS MAY ENCROACH ON THE CONSTRUCTION LIMITS OF THIS CULVERT. IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO CONTROL THE GROUND WATER AND DIVERT THE STREAM FLOW DURING CONSTRUCTION IN ORDER TO KEEP THE CONSTRUCTION AREA FREE OF WATER. THE METHOD OF CONTROLLING THE WATER SHALL BE SUBJECT TO APPROVAL OF THE ENGINEER AND THE COST SHALL BE INCLUDED IN THE CONTRACT UNIT PRICE FOR CONCRETE BOX CULVERTS.
34. A PRECAST BOX CULVERT IS NOT AN OPTION ON THE PROJECT DUE TO SOIL CONDITIONS.
35. CONNECTING BANDS FOR CORRUGATED METAL PIPES SHALL BE METAL AND SHALL BE COATED WITH THE SAME MATERIAL AS THE PIPE SECTIONS. THE CONNECTING BANDS SHALL BE A MINIMUM OF 18" WIDE.
36. THE UNDERDRAIN SYSTEM SCHEDULED ON THIS PROJECT IS TO BE CONSTRUCTED IN ACCORDANCE WITH SECTION 601 OF THE STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION, EXCEPT CA 16 SHALL BE USED IN LIEU OF FA 1 OR FA 2 FOR TRENCH BACKFILL. THE CA 16 SHALL BE ACCORDING TO ARTICLE 1004.05 AND ARTICLE 1004.01 OF THE STANDARD SPECIFICATIONS, EXCEPT IN THE TABLE, COURSE AGGREGATE GRADATION, THE PERCENT PASSING THE NO. 16 SIEVE SHALL BE 4±4%. THE TRENCH SHALL BE WRAPPED USING A FABRIC ENVELOPE MEETING THE REQUIREMENTS OF ARTICLE 1080.05 OF THE STANDARD SPECIFICATIONS. FABRIC ENCASING THE PIPE SHALL BE ELIMINATED.
37. PERMANENT SURVEY MARKERS, TYPE II SHALL BE CAST-IN-PLACE AS SHOWN ON DISTRICT STANDARD 66.2. OPTION 2 WOULD BE TO INSTALL A VAULTED STYLE MONUMENT AS DESCRIBED BY NGS AS A 3D MONUMENT (TOP SECURITY SLEEVE ROD MONUMENT), WITH INSTALLATION INSTRUCTIONS PROVIDED BY THE DISTRICT CHIEF OF SURVEYS. IF POURED IN PLACE, THE BOTTOM OF THE MARKER SHALL BE 5'-0" BELOW THE GROUND SURFACE.
38. THE PERMANENT SURVEY MARKERS, IF POSSIBLE, SHALL BE INSTALLED AT THE BEGINNING OF THE JOB AND PROTECTED THROUGHOUT.
39. TREE PLANTING LAYOUT SHALL BE PERFORMED BY THE DISTRICT LANDSCAPE ARCHITECT. MULCH SHALL BE PLACED 4" THICK AND TO THE DIAMETER AROUND THE TREE AS SHOWN ON DISTRICT STANDARD 92.1. THE MULCH SHALL BE HARDWOOD WOOD CHIPS PLACED ON WEED BARRIER FABRIC. THIS WORK SHALL BE INCLUDED IN THE COST OF THE TREE.
40. THE CONTRACTOR SHALL BE RESPONSIBLE FOR PROTECTING UTILITY PROPERTY DURING CONSTRUCTION OPERATIONS AS OUTLINED IN ARTICLE 107.31 OF THE STANDARD SPECIFICATIONS. A MINIMUM OF 48 HOURS ADVANCE NOTICE IS REQUIRED FOR NON-EMERGENCY WORK. THE JULIE NUMBER IS 800-92-0123. THE FOLLOWING LISTED UTILITIES LOCATED WITHIN THE PROJECT LIMITS OR IMMEDIATELY ADJACENT TO THE PROJECT CONSTRUCTION LIMITS ARE MEMBERS OF JULIE:

NAME AND ADDRESS OF UTILITY	TYPE	TELEPHONE
MR. MATTHEW J CHANCELLOR MIDAMERICAN ENERGY COMPANY 2811 5TH AVE. ROCK ISLAND IL, 61201	ELECTRIC	(309) 793-3833
MR. STEVE HAMPTON MIDAMERICAN ENERGY COMPANY 2811 5TH AVE. ROCK ISLAND, IL 61201	GAS	(309) 793-3707
MR. DAVID DAY FRONTIER/CITIZENS 684 N. BROAD PO BOX 12 LANARK, IL 61046	TELEPHONE	(815) 493-1101
MR. DENNIS JARDING MEDIACOM 3900-26TH AVE. MOLINE, IL 61265	CATV	(309) 743-4750
MR. JEFF KLOCKO IOWA NETWORK SERVICES, INC. 4201 CORPORATE DRIVE WEST DES MOINES, IA 50266	COMMUNICATION	(515) 830-0445

IDOT IS NOT A MEMBER OF JULIE. IF YOU ARE NEAR ANY OVERHEAD LIGHTING, INTERSECTION LIGHTING OR TRAFFIC SIGNALS, CONTACT THE IDOT TRAFFIC OFFICE AT 815-284-5469 AT LEAST 48 HOURS PRIOR TO WORK.

FILE NAME: s:\j163898-6394-63161618036-miscron1-road.dwg 11/28/2012 9:25:10 AM htc-gmencore.dwg



1170 SOUTH HOBOLT ROAD JOLIET, ILLINOIS 60431 (815) 744-4200	USER NAME: *brionf	DESIGNED -	REVISED -
	PLOT SCALE: * 1/8" = 1'-0"	DRAWN -	REVISED -
	PLOT DATE: * 8/15/2012	CHECKED -	REVISED -
		DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

GENERAL NOTES

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

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
308	110T	ROCK ISLAND	51	3
			CONTRACT NO. 64925	
FED. ROAD DIST. NO. 2 ILLINOIS FED. AID PROJECT				

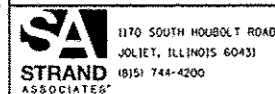
SUMMARY OF QUANTITIES

CONSTRUCTION
CODE
80% FED
20% STATE

CODE NO.	ITEM	UNIT	TOTAL QUANTITY	RECONSTRUCTION 0011 SN 081-2038
20100110	TREE REMOVAL (6 TO 15 UNITS DIAMETER)	UNIT	12	12
20101100	TREE TRUNK PROTECTION	EACH	3	3
20200100	EARTH EXCAVATION	CU YD	545	545
20700220	POROUS GRANULAR EMBANKMENT	CU YD	27	27
20800150	TRENCH BACKFILL	CU YD	11	11
20900110	POROUS GRANULAR BACKFILL	CU YD	24	24
21101505	TOPSOIL EXCAVATION AND PLACEMENT	CU YD	196	196
++ 25000750	MOWING	ACRE	.5	.5
25100630	EROSION CONTROL BLANKET	SO YD	2,082	2,082
25100900	TURF REINFORCEMENT MAT	SO YD	22	22
28000250	TEMPORARY EROSION CONTROL SEEDING	POUND	258	258
28000305	TEMPORARY DITCH CHECKS	FOOT	245	245
28000400	PERIMETER EROSION BARRIER	FOOT	315	315
28000500	INLET AND PIPE PROTECTION	EACH	2	2
28100107	STONE RIPRAP, CLASS A4	SO YD	37	37

+ SPECIALTY ITEM ++ NON-PARTICIPATING 100% STATE

FILE NAME: S:\JOL\63000-6399\6345\025\Materials\4000_Sheet 11 02564925-11-5001.dgn



USER NAME: amendej	DESIGNED -	REVISED -
PLOT SCALE: 20,000' / 1" =	DRAWN -	REVISED -
PLOT DATE: 8/15/2012	CHECKED -	REVISED -
	DATE -	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

SUMMARY OF QUANTITIES			
SCALE: N/A	SHEET 1	OF 5 SHEETS	STA. TO STA.

F.A.P. RTE. 308	SECTION 110T	COUNTY ROCK ISLAND	TOTAL SHEETS 51	SHEET NO. 4
CONTRACT NO. 64925				
FED. ROAD DIST. NO. 2 [ILLINOIS] FED. AID PROJECT				

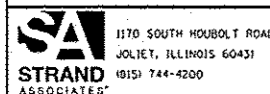
SUMMARY OF QUANTITIES

CONSTRUCTION
CODE
80% FED
20% STATE

CODE NO.	ITEM	UNIT	TOTAL QUANTITY	RECONSTRUCTION 0011 SN 081-2038
28200200	FILTER FABRIC	SQ YD	37	37
31100500	SUBBASE GRANULAR MATERIAL, TYPE A 6"	SQ YD	174	174
31100910	SUBBASE GRANULAR MATERIAL, TYPE A 12"	SQ YD	752	752
35101500	AGGREGATE BASE COURSE, TYPE B	CU YD	75	75
40600990	TEMPORARY RAMP	SQ YD	39	39
40603310	HOT-MIX ASPHALT SURFACE COURSE, MIX "C", N50	TON	127	127
40800050	INCIDENTAL HOT-MIX ASPHALT SURFACING	TON	5	5
44201383	CLASS C PATCHES, TYPE IV, 12 INCH	SQ YD	174	174
48203021	HOT-MIX ASPHALT SHOULDERS, 6"	SQ YD	1,262	1,262
50100100	REMOVAL OF EXISTING STRUCTURES	EACH	1	1
50800205	REINFORCEMENT BARS, EPOXY COATED	POUND	42,270	42,270
50800515	BAR SPLICERS	EACH	122	122
51500100	NAME PLATES	EACH	1	1
54003000	CONCRETE BOX CULVERTS	CU YD	134	134
54215553	METAL END SECTIONS 18"	EACH	4	4

+ SPECIALTY ITEM ++ NON-PARTICIPATING 100% STATE

FILE NAME = S:\JUL162008-6399\6346.026\Micro\CAD00-Sheets\026-025-111-5001.dgn



USER NAME = amondaj	DESIGNED -	REVISED -
PLLOT SCALE = 28.8900 1/1 in.	DRAWN -	REVISED -
PLLOT DATE = 0/15/2012	CHECKED -	REVISED -
	DATE -	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

SUMMARY OF QUANTITIES				
SCALE: N/A	SHEET 2	OF 5	SHEETS	STA. TO STA.

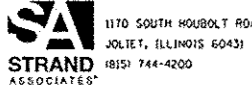
F.A.P. RTE. 308	SECTION 110T	COUNTY ROCK ISLAND	TOTAL SHEETS 51	SHEET NO. 5
FED. ROAD DIST. NO. 2 ILLINOIS FED. AID PROJECT			CONTRACT NO. 64925	

SUMMARY OF QUANTITIES

CODE NO.	ITEM	UNIT	TOTAL QUANTITY	CONSTRUCTION CODE
				80% FED 20% STATE
				RECONSTRUCTION 0011 SN 081-2038
54200223	PIPE CULVERTS, CLASS D, TYPE 1 18"	FOOT	93	93
60100060	CONCRETE HEADWALLS FOR PIPE DRAINS	EACH	4	4
60107600	PIPE UNDERDRAINS 4"	FOOT	140	140
61133100	FIELD TILE JUNCTION VAULTS, 2' DIA.	EACH	1	1
+ 63000001	STEEL PLATE BEAM GUARDRAIL, TYPE A, 6 FOOT POSTS	FOOT	612.5	612.5
+ 63000025	STEEL PLATE BEAM GUARDRAIL, ATTACHED TO STRUCTURES	FOOT	75	75
+ 63100167	TRAFFIC BARRIER TERMINAL, TYPE 1 (SPECIAL) TANGENT	EACH	4	4
63200310	GUARDRAIL REMOVAL	FOOT	454	454
+ 63500105	DELINEATORS	EACH	4	4
64200108	SHOULDER RUMBLE STRIPS, 8 INCH	FOOT	1,091	1,091
66700305	PERMANENT SURVEY MARKERS, TYPE II	EACH	2	2
67000400	ENGINEER'S FIELD OFFICE, TYPE A	CAL MO	10	10
67100100	MOBILIZATION	L SUM	1	1
70100405	TRAFFIC CONTROL AND PROTECTION, STANDARD 701321	EACH	1	1
70100450	TRAFFIC CONTROL AND PROTECTION, STANDARD 701201	L SUM	1	1

+ SPECIALTY ITEM ++ NON-PARTICIPATING 100% STATE

FILE NAME : S:\JUL\15200 - 6799\6746\B26\Micro\6400_Sheet 3 of 5\B26 0425.sht 5001.dgn

	USER NAME : amanda_j	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	SUMMARY OF QUANTITIES		F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	PLOT SCALE : 20,0000' / in.	DRAWN -	REVISED -				308	110T	ROCK ISLAND	51	6
	PLOT DATE : 6/15/2012	CHECKED -	REVISED -				CONTRACT NO. 64925				
		DATE -	REVISED -				FED. ROAD DIST. NO. 2 ILLINOIS FED. AID PROJECT				
			SCALE: N/A SHEET 3 OF 5 SHEETS STA. TO STA.								

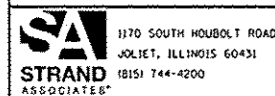
SUMMARY OF QUANTITIES

CONSTRUCTION
CODE
80% FED
20% STATE

CODE NO.	ITEM	UNIT	TOTAL QUANTITY	RECONSTRUCTION 0011 SN 081-2038
70100500	TRAFFIC CONTROL AND PROTECTION, STANDARD 701326	L SUM	1	1
70103815	TRAFFIC CONTROL SURVEILLANCE	CAL DA	5	5
70106500	TEMPORARY BRIDGE TRAFFIC SIGNALS	EACH	1	1
70106700	TEMPORARY RUMBLE STRIPS	EACH	6	6
70300220	TEMPORARY PAVEMENT MARKING - LINE 4"	FOOT	2,191	2,191
70300280	TEMPORARY PAVEMENT MARKING - LINE 24"	FOOT	24	24
70301000	WORK ZONE PAVEMENT MARKING REMOVAL	SQ FT	778	778
70400100	TEMPORARY CONCRETE BARRIER	FOOT	312.5	312.5
70400200	RELOCATE TEMPORARY CONCRETE BARRIER	FOOT	312.5	312.5
78001110	PAINT PAVEMENT MARKING - LINE 4"	FOOT	7,504	7,504
+ 78200410	GUARDRAIL MARKERS, TYPE A	EACH	12	12
+ 78201000	TERMINAL MARKER - DIRECT APPLIED	EACH	4	4
78300100	PAVEMENT MARKING REMOVAL	SQ FT	468	468
A2C056G3	TREE, QUERCUS MACROCARPA (BURR OAK), CONTAINER GROWN, 3-GALLON	EACH	1	1
X4400110	TEMPORARY PAVEMENT REMOVAL	SQ YD	325	325

+ SPECIALTY ITEM ++ NON-PARTICIPATING 100% STATE

FILE NAME : S:\JUL16388-6399\6246\026\Hicory\Cadd Sheets\026\F25-41-5001.dgn



USER NAME : amandaj	DESIGNED -	REVISED -
	DRAWN -	REVISED -
PLOT SCALE : 20,0000' = 1"	CHECKED -	REVISED -
PLOT DATE : 8/15/2012	DATE -	REVISED -

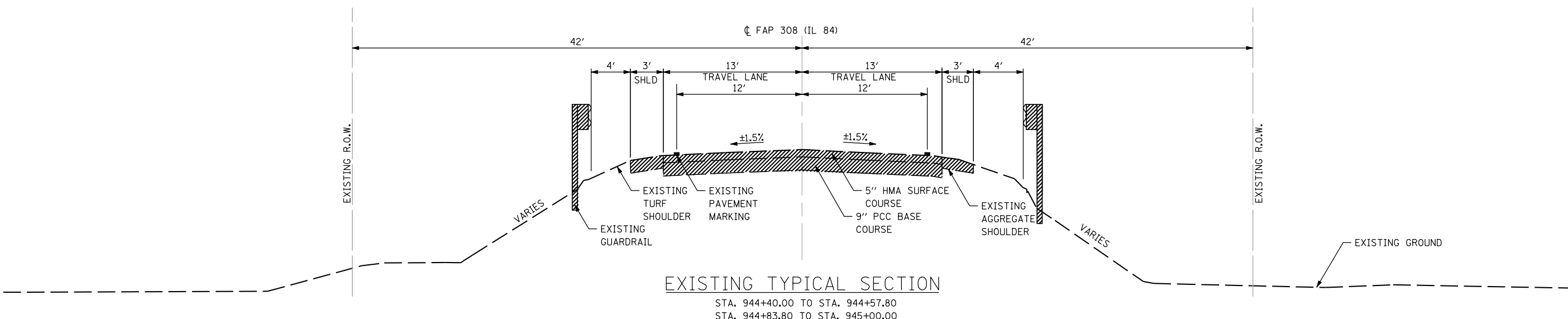
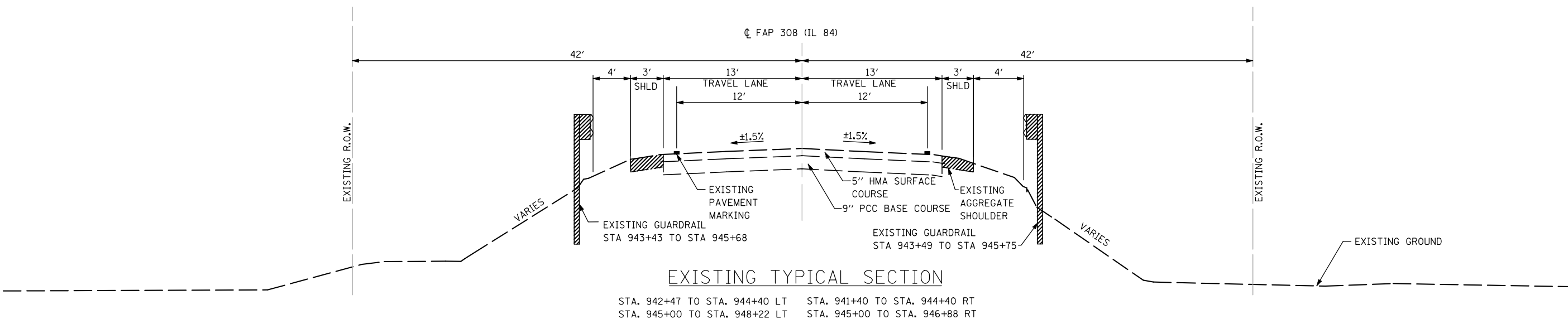
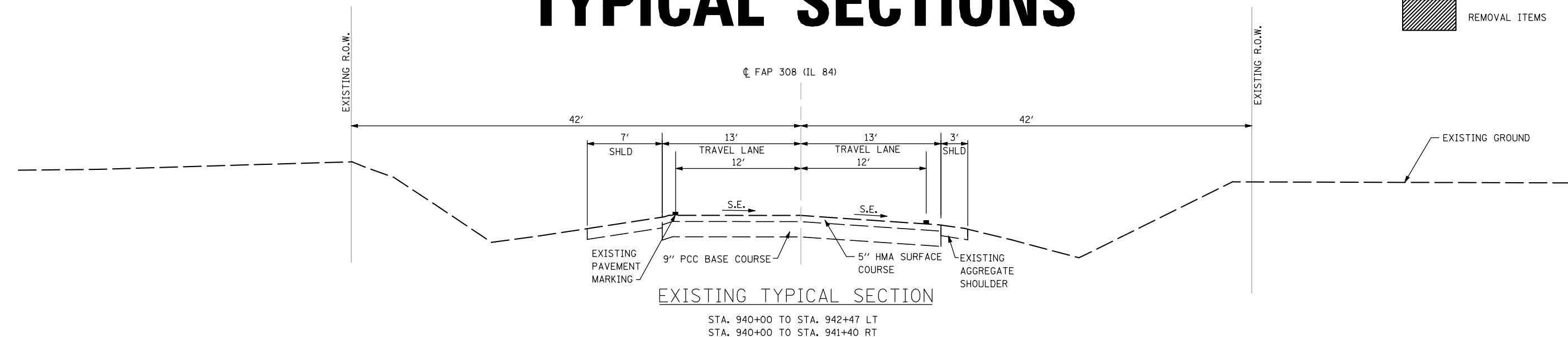
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SUMMARY OF QUANTITIES

SCALE: N/A SHEET 4 OF 5 SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
308	110T	ROCK ISLAND	51	7
FED. ROAD DIST. NO. 2 ILLINOIS FED. AID PROJECT			CONTRACT NO. 64925	

TYPICAL SECTIONS



FILE NAME = s:\p1\6380--6395\6346\026\micro\cadd sheets\1264925-ht-typical1.dgn



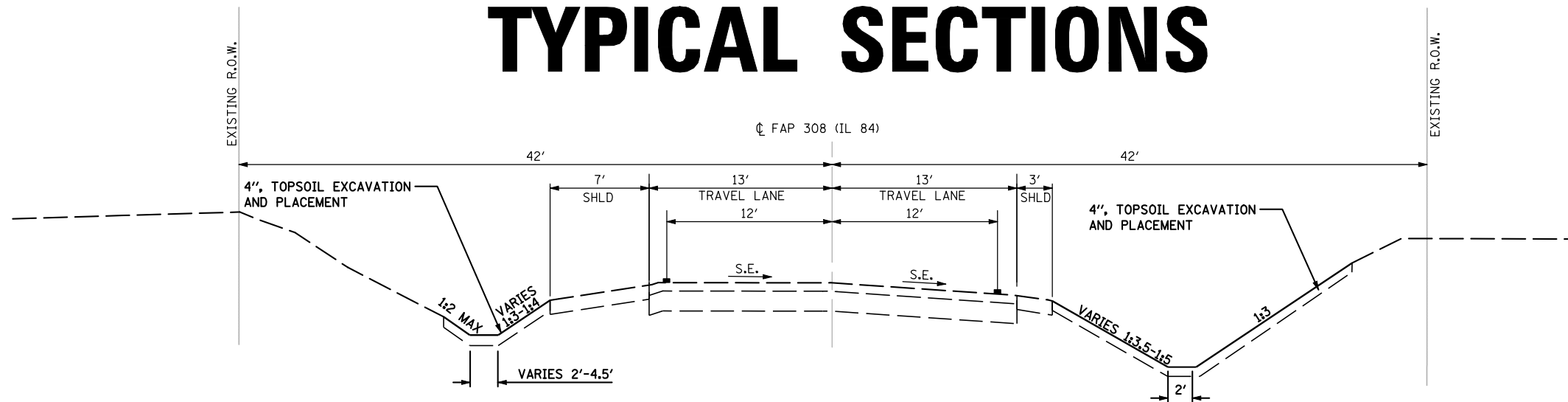
USER NAME = brianf	DESIGNED -	REVISED -
DRAWN -	REVISIED -	
PLOT SCALE = 40.0000' / IN.	CHECKED -	REVISED -
PLOT DATE = 8/15/2012	DATE -	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

TYPICAL SECTIONS				
SCALE: AS SHOWN	SHEET NO.	OF SHEETS	STA.	TO STA.

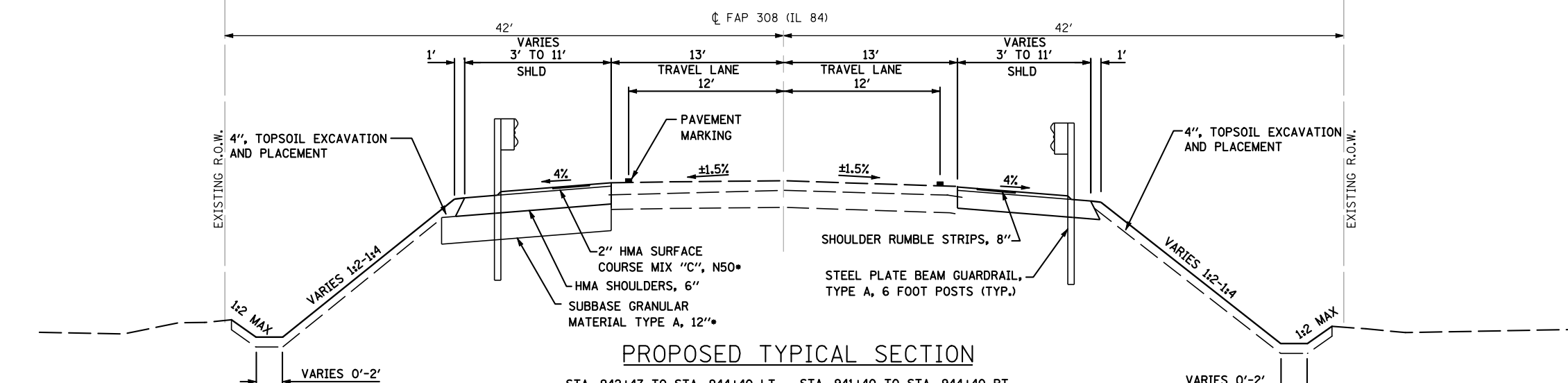
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
308	110T	ROCK ISLAND	51	9
CONTRACT NO. 64925				
FED. ROAD DIST. NO. 2 ILLINOIS FED. AID PROJECT				

TYPICAL SECTIONS



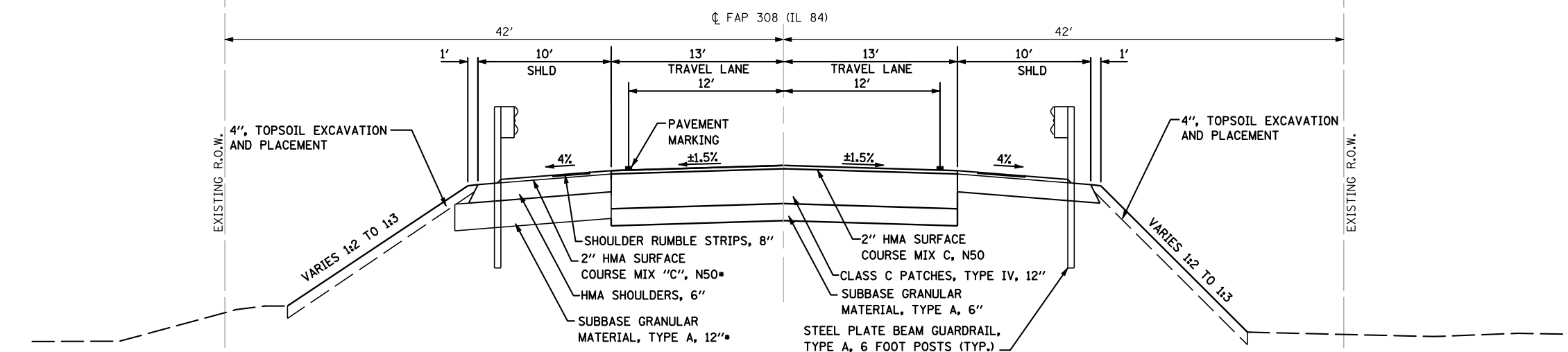
PROPOSED TYPICAL SECTION

STA. 940+00 TO STA. 942+47 LT
STA. 940+00 TO STA. 941+40 RT



PROPOSED TYPICAL SECTION

STA. 942+47 TO STA. 944+40 LT STA. 941+40 TO STA. 944+40 RT
STA. 945+00 TO STA. 948+22 LT STA. 945+00 TO STA. 946+88 RT



PROPOSED TYPICAL SECTION

STA. 944+40.00 TO STA. 944+57.80
STA. 944+83.80 TO STA. 945+00.00

• NOTES:

1. USE 112 LBS/SY/IN FOR HMA SURFACE COURSE CALCULATION.
2. BITUMINOUS MATERIALS PRIME COAT IS INCLUDED IN THE COST OF HMA SURFACE COURSE, MIX "C", N50
3. THE BOTTOM 9" OF SUBBASE GRANULAR MATERIAL, TYPE A, 12" SHALL BE CA-2.

FILE NAME = s:\p1\6380--6395\6346\026\macro\cadd sheets\1264925-ht-typical2.dgn

SA STRAND ASSOCIATES
1170 SOUTH HOUBOLT ROAD
JOLIET, ILLINOIS 60431
(815) 744-4200

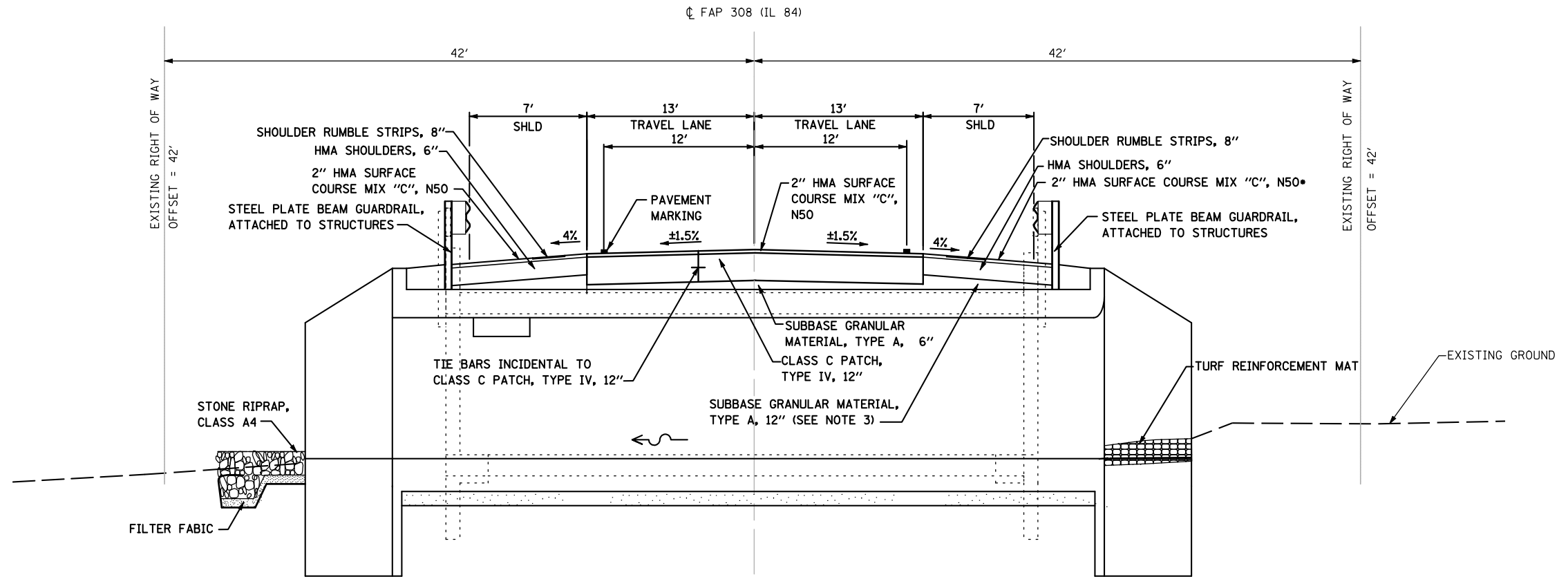
USER NAME = briant	DESIGNED -	REVISED -
PLOT SCALE = 40.0000' / IN.	DRAWN -	REVISED -
PLOT DATE = 8/15/2012	CHECKED -	REVISED -
	DATE -	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

TYPICAL SECTIONS	
SCALE: AS SHOWN	SHEET NO. OF SHEETS STA. TO STA.

F.A.P. RTE. 308	SECTION 110T	COUNTY ROCK ISLAND	TOTAL SHEETS 51	SHEET NO. 10
CONTRACT NO. 64925				
FED. ROAD DIST. NO. 2 ILLINOIS FED. AID PROJECT				

TYPICAL SECTIONS



PROPOSED TYPICAL SECTION

STA. 944+57.80 TO 944+83.80

- NOTES:
- 1. USE 112 LBS/SY/IN FOR HMA SURFACE COURSE CALCULATION.
- 2. BITUMINOUS MATERIALS PRIME COAT IS INCLUDED IN THE COST OF HMA SURFACE COURSE, MIX "C", N50
- 3. THE BOTTOM 9" OF SUBBASE GRANULAR MATERIAL, TYPE A, 12" SHALL BE CA-2.

FILE NAME = S:\JOL\6300--6399\6346\026\Microa\CADD Sheets\0264925-ent-typical3.dgn

SA
STRAND
ASSOCIATES

1170 SOUTH HOUBOLT ROAD
JOLIET, ILLINOIS 60431
(815) 744-4200

USER NAME = brianf	DESIGNED -	REVISED -
	DRAWN -	REVISED -
PLOT SCALE = 40.0000' / IN.	CHECKED -	REVISED -
PLOT DATE = 8/15/2012	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

TYPICAL SECTIONS

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

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
308	110T	ROCK ISLAND	51	11
CONTRACT NO. 64925				
FED. ROAD DIST. NO. 2 ILLINOIS FED. AID PROJECT				

SCHEDULE OF QUANTITIES

	LOCATION		EARTH EXCAVATION 20200100	EARTH EXCAVATION ADJUSTED FOR SHRINKAGE	EMBANKMENT	EARTHWORK BALANCE WASTE (+) OR SHORTAGE (-)
	STA.	STA.	CU YD	CU YD	CU YD	CU YD
STAGE 1	940+00	944+71	184.42	138.32	78.39	59.93
	944+81	948+50	182.43	136.83	62.93	73.89
STAGE 2	940+00	944+71	156.06	117.05	67.55	49.50
	944+81	948+50	20.36	15.27	55.02	-39.75
	TOTAL:		545.00	410.00	264.00	145.00

25100630

EROSION CONTROL BLANKET

28000500

INLET AND PIPE PROTECTION

SO YD	LOCATION	QUANTITY
IL 84		
STA. 940+00.00	TO 944+56.00 RT	775.00
STA. 944+85.00	TO 947+00.00 stage2	242.00
STA. 940+00.00	TO 944+57.00 LT	581
STA. 944+85.00	TO 948+50.00 LT	484
TOTAL:		2082.00 SO YD

LOCATION	OFFSET (FT)	QUANTITY
IL 84		
STA. 941+46.00	31.00 RT	1.00
STA. 942+53.00	28.00 LT	1.00
TOTAL:		2.00 EACH

20100110

TREE REMOVAL (6 TO 15 UNITS DIAMETER)

UNIT	LOCATION	OFFSET (FT)	QUANTITY
IL 84			
945+08	36.00 LT	12.00	
TOTAL:			12.00 UNIT

28000250

TEMPORARY EROSION CONTROL SEEDING

31100500

SUBBASE GRANULAR MATERIAL, TYPE A 6"

POUND	LOCATION	QUANTITY
IL 84		
STA. 944+00.00	TO 944+56.00 Acres	0.9600
STA. 944+85.00	TO 947+00.00	0.3000
STA. 940+00.00	TO 944+57.00	0.7200
STA. 944+85.00	TO 948+50.00	0.6000
TOTAL:		258.00 POUND

LOCATION	WIDTH (FT)	WIDTH (FT)	QUANTITY
IL 84			
STA. 944+40.00	26.00	945+00.00 26.00	173.33
TOTAL:			174.00 SO YD

20800150

TRENCH BACKFILL

CU YD	LOCATION	OFFSET (FT)	QUANTITY
IL 84			
94260.80	28.50 LT	94294.60 28.50 LT	10.23
TOTAL:			11.00 CU YD

28000305

TEMPORARY DITCH CHECKS

31100910

SUBBASE GRANULAR MATERIAL, TYPE A 12"

FOOT	LOCATION	QUANTITY
IL 84		
STA. 940+00.00	RT	10
STA. 940+33.00	RT	11
STA. 940+66.00	RT	10
STA. 940+99.00	RT	9
STA. 941+32.00	RT	11
STA. 942+28.00	RT	8
STA. 942+61.00	RT	8
STA. 942+94.00	RT	8
STA. 943+27.00	RT	10
STA. 940+00.00	LT	10
STA. 940+33.00	LT	11
STA. 940+66.00	LT	10
STA. 940+99.00	LT	10
STA. 941+32.00	LT	10
STA. 941+65.00	LT	8
STA. 941+98.00	LT	8
STA. 942+31.00	LT	8
STA. 943+33.00	LT	10
STA. 945+00.00	LT	7
STA. 945+33.00	LT	8
STA. 945+66.00	LT	10
STA. 945+99.00	LT	8
STA. 946+32.00	LT	8
STA. 946+65.00	LT	8
STA. 946+98.00	LT	8
STA. 947+31.00	LT	9
TOTAL:		245.00 FOOT

LOCATION	WIDTH (FT)	WIDTH (FT)	QUANTITY
IL 84			
STA. 942+47.00	0.00	948+37.00 13.00	752.00
TOTAL:			752.00 SO YD

20101100

TREE TRUNK PROTECTION

EACH	LOCATION	OFFSET (FT)	QUANTITY
IL 84			
944+24	39.00 LT	1.00	
944+49	40.00 LT	1.00	
944+56	36.00 LT	1.00	
TOTAL:			3.00 EACH

35101500

AGGREGATE BASE COURSE, TYPE B

LOCATION	WIDTH (FT)	OFFSET	WIDTH (FT)	DEPTH (FT)	QUANTITY
IL 84					
STA. 944+40.00	945+00.00				53
STA. 942+63.00	942+93.00	LT			10
STA. 941+51.00	941+93.00	RT			12
TOTAL:					75.00 CU YD

21101505

TOPSOIL EXCAVATION AND PLACEMENT

CU YD	LOCATION	QUANTITY
IL 84		
STA. 940+00.00	TO 948+50.00 stage1	81.00
STA. 940+00.00	TO 948+50.00 stage2	115.00
TOTAL:		196.00 CU YD

40600990

TEMPORARY RAMP

LOCATION	WIDTH (SO FT)	QUANTITY
IL 84		
STA. 944+40.00	TO 944+46.67 RT/LT 26.00	19.26
STA. 944+93.33	TO 945+00.00 RT/LT 26.00	19.26
TOTAL:		39.00 TON

28000400

PERIMETER EROSION BARRIER

FOOT	LOCATION	QUANTITY
IL 84		
STA. 943+50.00	TO 944+00.00 LT	50.00
STA. 943+50.00	TO 944+00.00 RT	50.00
STA. 944+00.00	TO 944+50.00 LT	50.00
STA. 944+00.00	TO 944+55.00 RT	55.00
STA. 944+90.00	TO 945+50.00 RT	60.00
STA. 945+50.00	TO 946+00.00 RT	50.00
TOTAL:		315.00 FOOT

25000750

MOWING

ACRE	LOCATION	QUANTITY
IL 84		
STA. 940+00.00	TO 944+56.00 RT	0.16
STA. 944+85.00	TO 947+00.00 RT	0.05
STA. 940+00.00	TO 944+57.00 LT	0.12
STA. 944+85.00	TO 948+50.00 LT	0.10
TOTAL:		0.50 ACRE

FILE NAME = S:\JOL\6300-6399\6346-026\Microa\CADD Sheets\0264925-sht-schedule.dgn

SCHEDULE OF QUANTITIES

TON	LOCATION	AREA (SQ YD)	DEPTH (IN)	QUANTITY
40603310 HOT-MIX ASPHALT SURFACE COURSE, MIX "C", N50				
	IL 84			
	STA. 941+39.93 TO 941+51.14 RT	6.9	2.00	0.77
	STA. 941+51.14 TO 942+01.00 RT	60.9	2.00	6.83
	STA. 942+01.00 TO 944+57.80 RT	199.7	2.00	22.37
	STA. 944+57.80 TO 944+83.80 RT	20.2	2.00	2.26
	STA. 944+83.80 TO 946+39.00 RT	120.7	2.00	13.52
	STA. 946+39.00 TO 946+49.25 RT	13.1	2.00	1.46
	STA. 946+49.25 TO 946+94.25 RT	39.1	2.00	4.38
	STA. 944+40.00 TO 945+00.00 RT/LT	173.33	2.00	19.41
	STA. 942+47.00 TO 942+58.80 LT	7.54	2.00	0.84
	STA. 942+58.80 TO 943+14.00 LT	69.00	2.00	7.73
	STA. 943+14.00 TO 944+57.80 LT	111.84	2.00	12.53
	STA. 944+57.80 TO 944+83.80 LT	20.22	2.00	2.26
	STA. 944+83.80 TO 947+77.00 LT	228.04	2.00	25.54
	STA. 947+77.00 TO 947+94.25 LT	21.08	2.00	2.36
	STA. 947+94.25 TO 948+36.50 LT	35.09	2.00	3.93
TOTAL:				127.00 TON

TON	LOCATION	AREA (SQ)	DEPTH (IN)	QUANTITY
40800050 INCIDENTAL HOT-MIX ASPHALT SURFACING				
	IL 84			
	STA. 942+58.80 TO 942+97.41	41.10	2.00	4.60
TOTAL:				5.00 TON

SO YD	LOCATION	AVE WIDTH (YD)	QUANTITY
44201383 CLASS C PATCHES, TYPE IV, 12 INCH			
	IL 84		
	STA. 944+40.00 TO 945+00.00	8.67	173.33
TOTAL:			174.00 SO YD

SO YD	LOCATION	QUANTITY
48203021 HOT-MIX ASPHALT SHOULDERS, 6"		
	IL 84	
	STA. 941+39.93 TO 944+57.80 RT	358.51
	STA. 944+57.80 TO 944+83.80 RT	22.39
	STA. 944+83.80 TO 946+94.25 RT	228.09
	STA. 942+47.00 TO 944+57.80 LT	242.88
	STA. 944+57.80 TO 944+83.80 LT	22.39
	STA. 944+83.80 TO 948+36.50 LT	387.20
TOTAL:		1262.00 SO YD

EACH	LOCATION	OFFSET (FT)	QUANTITY
54215553 METAL END SECTIONS 18"			
	IL 84		
	STA. 941+48.80	31.49 RT	1
	STA. 942+55.12	27.49 LT	1
	STA. 941+95.18	31.35 RT	1
	STA. 943+01.30	27.48 LT	1
TOTAL:			4.00 EACH

FOOT	LOCATION	QUANTITY
52400223 PIPE CULVERTS, CLASS D, TYPE 1 18"		
	IL 84	
	STA. 941+48.80 941+95.18 RT	46.38
	STA. 942+55.12 943+01.30 LT	46.18
TOTAL:		93.00 FOOT

EACH	LOCATION	OFFSET (FT)	QUANTITY
60100060 CONCRETE HEADWALLS FOR PIPE DRAINS			
	IL 84		
	STA. 944+40.00	32.50 RT	1.00
	STA. 944+40.00	29.00 LT	1.00
	STA. 945+00.00	28.50 RT	1.00
	STA. 945+00.00	32.00 LT	1.00
TOTAL:			4.00 EACH

FOOT	LOCATION	QUANTITY
60107600 PIPE UNDERDRAINS 4"		
	IL 84	
	STA. 944+40.00	70.00
	STA. 945+00.00	70.00
TOTAL:		140.00 FOOT

FOOT	LOCATION	QUANTITY
63000001 STEEL PLATE BEAM GUARDRAIL, TYPE A, 6 FOOT POSTS		
	IL 84	
	STA. 943+64.25 TO 944+51.75 LT	87.50
	STA. 944+89.25 TO 947+14.25 LT	225.00
	STA. 942+51.75 TO 944+51.75 RT	200.00
	STA. 944+89.25 TO 945+89.25 RT	100.00
TOTAL:		612.50 FOOT

FOOT	LOCATION	QUANTITY
63000025 STEEL PLATE BEAM GUARDRAIL, ATTACHED TO STRUCTURES		
	IL 84	
	STA. 944+51.75 TO 944+89.25 RT	37.50
	STA. 944+51.75 TO 944+89.25 LT	37.50
TOTAL:		75.00 FOOT

EACH	LOCATION	QUANTITY
63100167 TRAFFIC BARRIER TERMINAL, TYPE 1 (SPECIAL) TANGENT		
	IL 84	
	STA. 942+06.73	RT 1.00
	STA. 943+07.55	LT 1.00
	STA. 946+32.50	RT 1.00
	STA. 947+69.99	LT 1.00
TOTAL:		4.00 EACH

FOOT	LOCATION	QUANTITY
63200310 GUARDRAIL REMOVAL		
	IL 84	
	STA. 943+48.94 TO 943+74.34 RT	28.00
	STA. 943+74.34 TO 945+49.30 RT	174.96
	STA. 945+49.30 TO 945+74.48 RT	25.24
	STA. 943+42.45 TO 943+67.42 LT	25.01
	STA. 943+67.42 TO 945+41.92 LT	174.50
	STA. 945+41.92 TO 945+67.92 LT	26.06
TOTAL:		454.00 FOOT

EACH	LOCATION	QUANTITY
63500105 DELINEATORS		
	IL 84	
	STA. 942+00	RT 1.00
	STA. 943+00	LT 1.00
	STA. 947+80	RT 1.00
	STA. 947+80	LT 1.00
TOTAL:		4.00 EACH

FOOT	LOCATION	QUANTITY
64200108 SHOULDER RUMBLE STRIPS, 8 IN		
	IL 84	
	STA. 94247 TO 94837	LT 590
	STA. 94193 TO 94694	RT 501
TOTAL:		1091.00

EACH	LOCATION	QUANTITY
66700305 PERMANENT SURVEY MARKERS, TYPE II		
	IL 84	
	STA. 944+40.00 TO 945+00.00	2
TOTAL:		2.00 EACH

EACH	LOCATION	QUANTITY
70106500 TEMPORARY BRIDGE TRAFFIC SIGNALS		
	IL 84	
	PROJECT LIMITS	1
TOTAL:		1.00 EACH

EACH	LOCATION	QUANTITY
70106700 TEMPORARY RUMBLE STRIPS		
	IL 84	
	STAGE1/STAGE 2	6
TOTAL:		6.00 EACH

FILE NAME = S:\JOL\63000-63999\6346\026\Micros\CADD Sheets\0264925\sh1-schedule.dgn

SCHEDULE OF QUANTITIES

70300220 TEMPORARY PAVEMENT MARKING - LINE 4"

EQOI	LOCATION	QUANTITY
IL 84		
STAGE 1		
STA.	942+05.00 TO 948+62.00	658.80
STA.	943+02.30 TO 946+95.00	393.20
STAGE 2		
STA.	942+72.00 TO 946+53.50	382.50
STA.	940+00.00 TO 947+53.00	756.00
TOTAL:		2191.00 FOOT

78001110 PAINT PAVEMENT MARKING - LINE 4"

EQOI	LOCATION	QUANTITY
IL 84		
STA.	939+75.00 TO 949+13.00	12.00 LT 1876.00
STA.	939+75.00 TO 949+13.00	12.00 RT 1876.00
STA.	939+75.00 TO 949+13.00	2.00 LT 1876.00
STA.	939+75.00 TO 949+13.00	2.00 RT 1876.00
2 APPLICATIONS		
TOTAL:		7504.00 FOOT

Z0030250 IMPACT ATTENUATORS, TEMPORARY (NON-REDIRECTIVE), TEST LEVEL 3

EACH	LOCATION	QUANTITY
IL 84		
STA.	943+12.00	1
STA.	946+30.00	1
TOTAL:		2.00 EACH

70300280 TEMPORARY PAVEMENT MARKING - LINE 24"

EQOI	LOCATION	QUANTITY
IL 84		
STAGE 1 / STAGE 2		
STA.	938+90.00 TO 939+92.00	12.00
STA.	949+10.00 TO 949+12.00	12.00
TOTAL:		24.00 FOOT

78200410 GUARDRAIL MARKERS, TYPE A

EACH	LOCATION	LENGTH (FT)	QUANTITY
IL 84			
STA.	942+06.73 TO 946+32.50	425.77	6.00
STA.	943+07.55 TO 947+69.99	462.44	6.00
TOTAL:			12.00 EACH

Z0030350 IMPACT ATTENUATORS, RELOCATE (NON-REDIRECTIVE), TEST LEVEL 3

EACH	LOCATION	QUANTITY
IL 84		
STA.	943+12.00	1
STA.	946+30.00	1
TOTAL:		2.00 EACH

70301000 WORK ZONE PAVEMENT MARKING REMOVAL

SO FT	LOCATION	OFFSET (FT)	OFFSET (FT)	LENGTH (FT)	WIDTH (IN)	QUANTITY
IL 84						
STAGE 1						
STA.	939+90.00	0.00	939+90.00	12.00	24.00	24.00
STA.	942+15.00	-13.00	943+15.00	1.00	100.98	33.66
STA.	943+15.00	1.00	943+81.00	6.50	66.23	22.08
STA.	943+81.00	6.50	946+28.00	6.50	247.00	82.33
STA.	946+28.00	6.50	948+52.00	-12.56	224.81	74.94
STA.	943+02.00	12.00	943+81.00	18.50	79.27	26.42
STA.	943+81.00	18.50	946+29.00	18.50	248.00	82.67
STA.	946+29.00	18.50	947+14.00	11.34	85.30	28.43
STAGE 2						
STA.	948+62.00	0.00	948+62.00	12.00	24.00	24.00
STA.	939+98.00	12.00	943+58.00	-8.00	360.56	120.19
STA.	943+58.00	-8.00	945+57.00	-8.00	199.00	66.33
STA.	945+57.00	-8.00	946+53.00	0.00	96.33	32.11
STA.	946+53.00	0.00	947+53.00	12.09	100.73	33.58
STA.	942+72.00	-13.00	943+60.00	-20.00	88.28	29.43
STA.	943+60.00	-20.00	945+57.00	-20.00	197.00	65.67
STA.	945+57.00	-20.00	946+53.00	-12.00	96.33	32.11
TOTAL:						778.00 SO FT

78201000 TERMINAL MARKER - DIRECT APPLIED

EACH	LOCATION	QUANTITY
IL 84		
STA.	942+06.73 TO RT	1
STA.	943+07.55 TO LT	1
STA.	946+32.50 TO RT	1
STA.	947+69.99 TO LT	1
TOTAL:		4.00 EACH

Z0062456 TEMPORARY PAVEMENT

SO YD	LOCATION	QUANTITY
IL 84		
STA.	943+00.00 7.12 946+95.00 7.65	324.12
TOTAL:		325.00 SO YD

78300100 PAVEMENT MARKING REMOVAL

SO FT	LOCATION	WIDTH (IN)	QUANTITY
IL 84			
STAGE 1			
STA.	942+15.00 TO 943+15.00	8.00	66.67
STA.	946+94.00 TO 948+62.00	8.00	112.00
STAGE 2			
STA.	939+90.00 TO 942+15.00	8.00	150.00
STA.	946+53.00 TO 948+62.00	8.00	139.33
TOTAL:			468.00 SO FT

70400100 TEMPORARY CONCRETE BARRIER

EQOI	LOCATION	QUANTITY
IL 84		
STAGE 1		
STA.	943+16.00 TO 944+15.00	99.35
STA.	944+15.00 TO 945+28.00	113.00
STA.	945+28.00 TO 946+27.00	99.36
TOTAL:		312.50 FOOT

X4400110 TEMPORARY PAVEMENT REMOVAL

SO YD	LOCATION	WIDTH (FT)	WIDTH (FT)	QUANTITY
IL 84				
STA.	943+00.00	7.12	946+95.00	7.65
TOTAL:				325.00 SO YD

70400200 RELOCATE TEMPORARY CONCRETE BARRIER

EQOI	LOCATION	QUANTITY
IL 84		
STAGE 2		
STA.	943+16.00 TO 944+15.00	99.63
STA.	944+16.00 TO 945+28.00	112.00
STA.	945+28.00 TO 946+28.00	100.36
TOTAL:		312.50 FOOT

Z0013798 CONSTRUCTION LAYOUT

L SUM	LOCATION	QUANTITY
IL 84		
STA.	939+75.00 TO 949+13.00	1.00
TOTAL:		1.00 L SUM

FILE NAME = S:\JOL\63800-63999\6346-026\Micros\CAD\ Sheets\0264925-sht-schedule.dgn

HORIZONTAL AND VERTICAL CONTROL

HORIZONTAL CONTROL POINTS							
POINT	NORTH	EAST	ELEVATION	CHAIN	STATION	OFFSET	DESCRIPTION
1	1824058.6040	2254625.2070	592.2817	EX84	938+35.5053	20.4469' RT	GPS CONTROL POINT
2	1824616.9500	2255139.8880	583.4720	EX84	945+94.6135	21.5813' LT	GPS CONTROL POINT
3	1824967.0540	2255613.6970	594.0145	EX84	951+80.4555	40.5230' RT	GPS CONTROL POINT

Beginning chain EX84 description

Point 30 N 1,822,621.0560 E 2,253,622.9550 Sta 920+75.11
 Course from 30 to PC 200 N 29 33/64 14' 44.07" E Dist 436.4888

Curve Data

Curve 200

P.I. Station 934+31.48 N 1,823,804.5335 E 2,254,285.6142
 Delta = 18 33/64 14' 31.12" (RT)
 Degree = 1 33/64 00' 00.01"
 Tangent = 919.8800
 Length = 1,824.1927
 Radius = 5,729.5620
 External = 73.3735
 Long Chord = 1,816.4977
 Mid. Ord. = 72.4457
 P.C. Station 925+11.60 N 1,823,001.9072 E 2,253,836.2033
 P.T. Station 943+35.79 N 1,824,426.1427 E 2,254,963.6859
 C.C. N 1,820,202.7073 E 2,258,835.4393
 Back = N 29 33/64 14' 44.08" E
 Ahead = N 47 33/64 29' 15.20" E
 Chord Bear = N 38 33/64 21' 59.64" E

SURVEY WORK POINTS							
POINT	NORTH	EAST	ELEVATION	CHAIN	STATION	OFFSET	DESCRIPTION
104	1825220.1180	2254818.1240	586.5030	EX84	947+65.0224	683.6270' LT	NAIL
105	1825270.0840	2254624.0530	585.4590	EX84	946+55.7313	851.6020' LT	NAIL
106	1825454.8700	2254920.0030	585.0030	EX84	949+98.7543	787.8251' LT	NAIL
107	1824945.0170	2254987.4640	577.0550	EX84	947+03.9485	366.4100' LT	NAIL
130	1824.4400	2254.9990	581.9780	EX84	OUT OF CHAIN	-----	RAIL ROAD SPIKE
132	1824620.8760	2255231.6690	585.9680	EX84	946+64.9211	37.5458' RT	RAIL ROAD SPIKE

Course from PT 200 to 29 N 47 33/64 29' 15.19" E Dist 1,226.8059

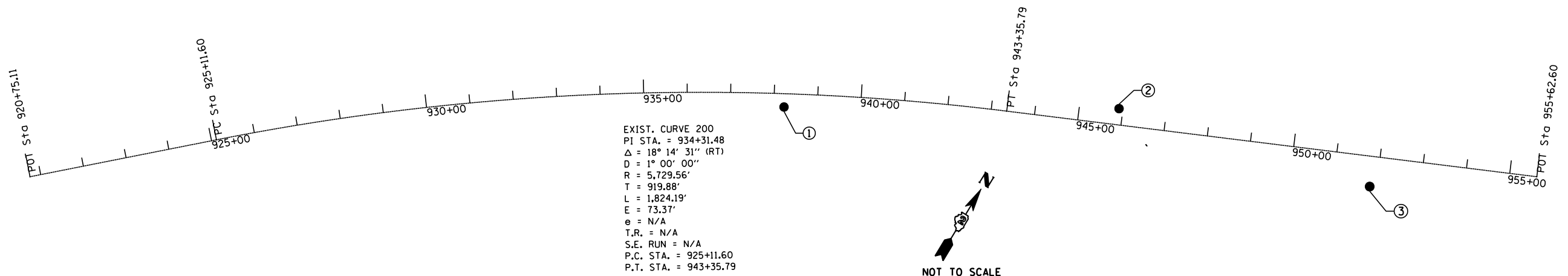
Point 29 N 1,825,255.1573 E 2,255,868.0021 Sta 955+62.60

Ending chain EX84 description

BENCH MARKS							
POINT	NORTH	EAST	ELEVATION	CHAIN	STATION	OFFSET	DESCRIPTION
401	1825077.7320	2255736.8050	597.8303	EX84	953+45.9929	42.1291' RT	R.O.W. MARKER
405	1823987.2130	2254585.7660	594.3503	EX84	937+55.6730	39.0254' RT	RAIL ROAD SPIKE

REFERENCE TIES				
POINT	CHAIN	STATION	OFFSET	DESCRIPTION
500	EX84	951+19.7187	54.1462' RT	POWER POLE
501	EX84	951+08.3778	39.4893' LT	POWER POLE
502	EX84	952+06.0956	44.2689' LT	GUARDPOST
503	EX84	946+78.5192	39.5234' LT	POWER POLE
504	EX84	945+68.9153	46.2561' LT	TREE DECIDUOUS
505	EX84	946+64.1432	37.9519' RT	POWER POLE
506	EX84	939+19.4727	32.3361' LT	TREE DECIDUOUS
507	EX84	937+57.1978	39.0777' LT	GUY POLE
508	EX84	937+55.9540	39.8200' RT	POWER POLE

CURVE POINT NUMBERS					
CHAIN	CURVE	PI	CC	PC	PT
EX84	200	200	201	202	203



FILE NAME = s:\p1\6380--6395\6346\026\micro\acadd sheets\0264925-sh-hvcontrol1.dgn



1170 SOUTH HOUBOLT ROAD JOLIET, ILLINOIS 60431 (815) 744-4200	USER NAME = briant	DESIGNED -	REVISED -
	PLOT SCALE = 40.0000' / IN.	DRAWN -	REVISED -
	PLOT DATE = 8/8/2012	CHECKED -	REVISED -
		DATE -	REVISED -

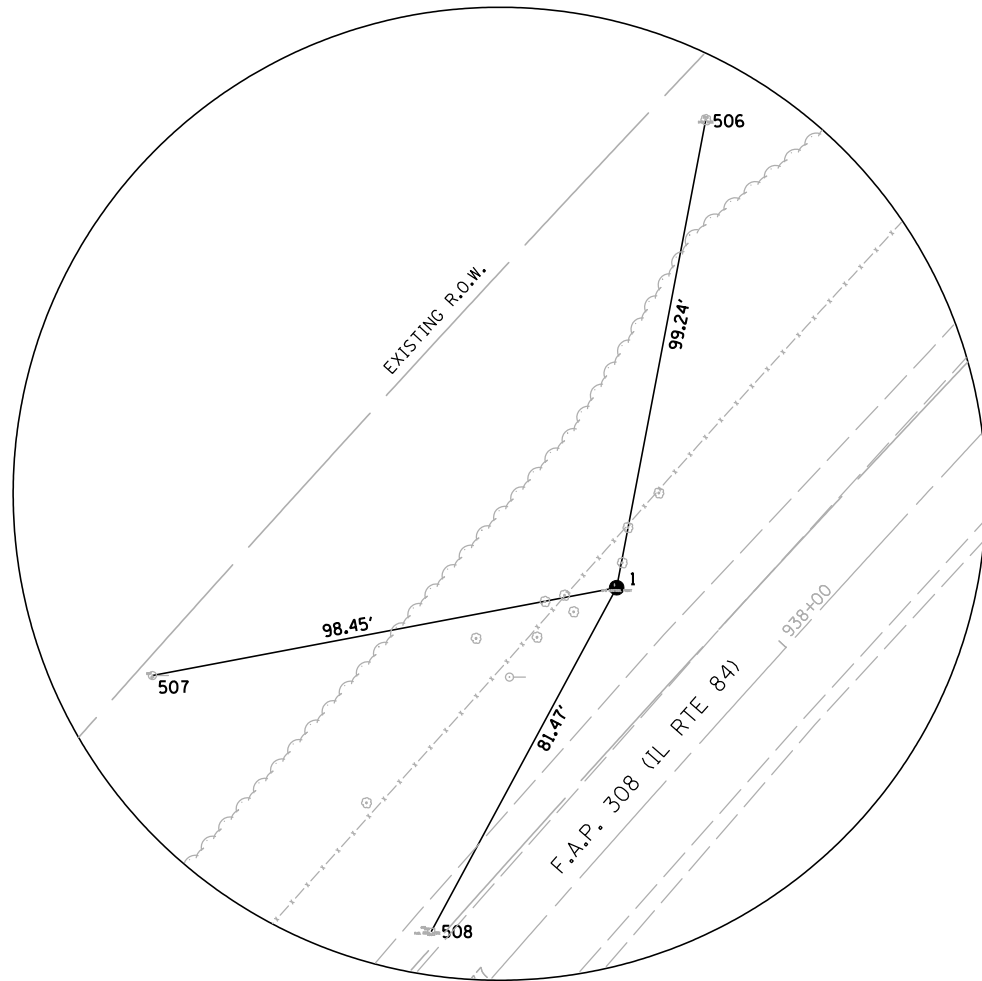
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

HORIZONTAL AND VERTICAL CONTROL

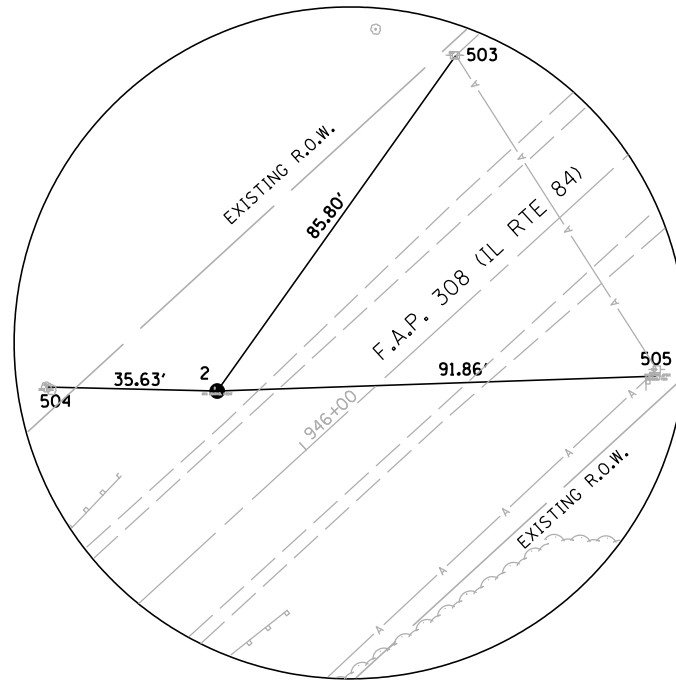
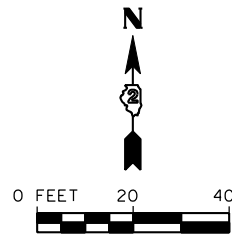
SCALE: AS SHOWN SHEET NO. OF SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
308	110T	ROCK ISLAND	51	15
CONTRACT NO. 64925				
FED. ROAD DIST. NO. 2 ILLINOIS FED. AID PROJECT				

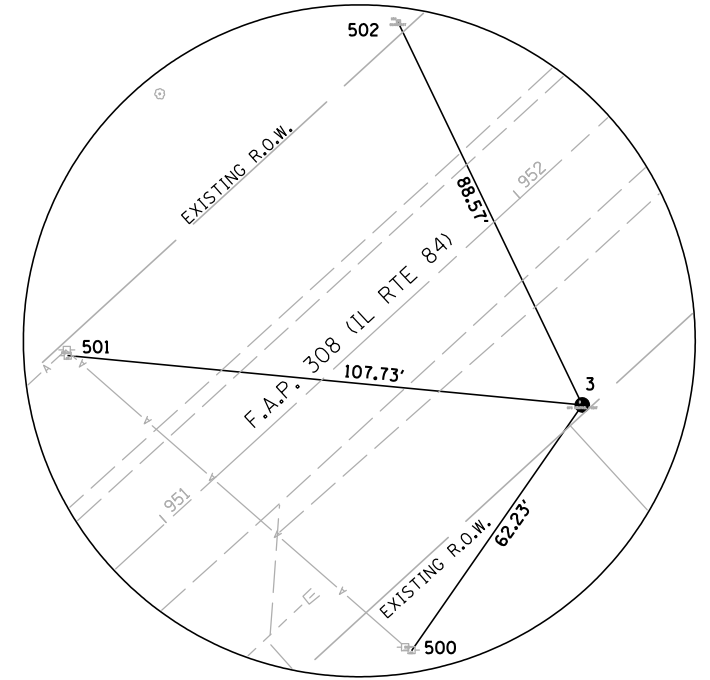
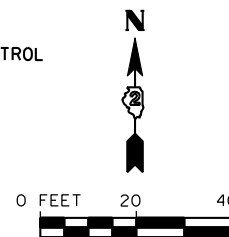
HORIZONTAL AND VERTICAL CONTROL



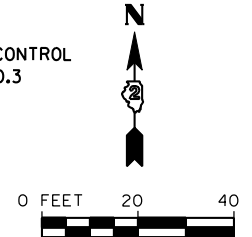
HORIZONTAL CONTROL
GPS POINT NO.1



HORIZONTAL CONTROL
GPS POINT NO.2



HORIZONTAL CONTROL
GPS POINT NO.3



FILE NAME = s:\p1\6380--6395\6346\026\micro\cadd sheets\0264925-sh-hvcontrol2.dgn

SA
STRAND
ASSOCIATES*

1170 SOUTH HOUBOLT ROAD
JOLIET, ILLINOIS 60431
(815) 744-4200

USER NAME = brianf	DESIGNED -	REVISED -
	DRAWN -	REVISED -
PLOT SCALE = 40.0000' / IN.	CHECKED -	REVISED -
PLOT DATE = 8/8/2012	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

HORIZONTAL AND VERTICAL CONTROL

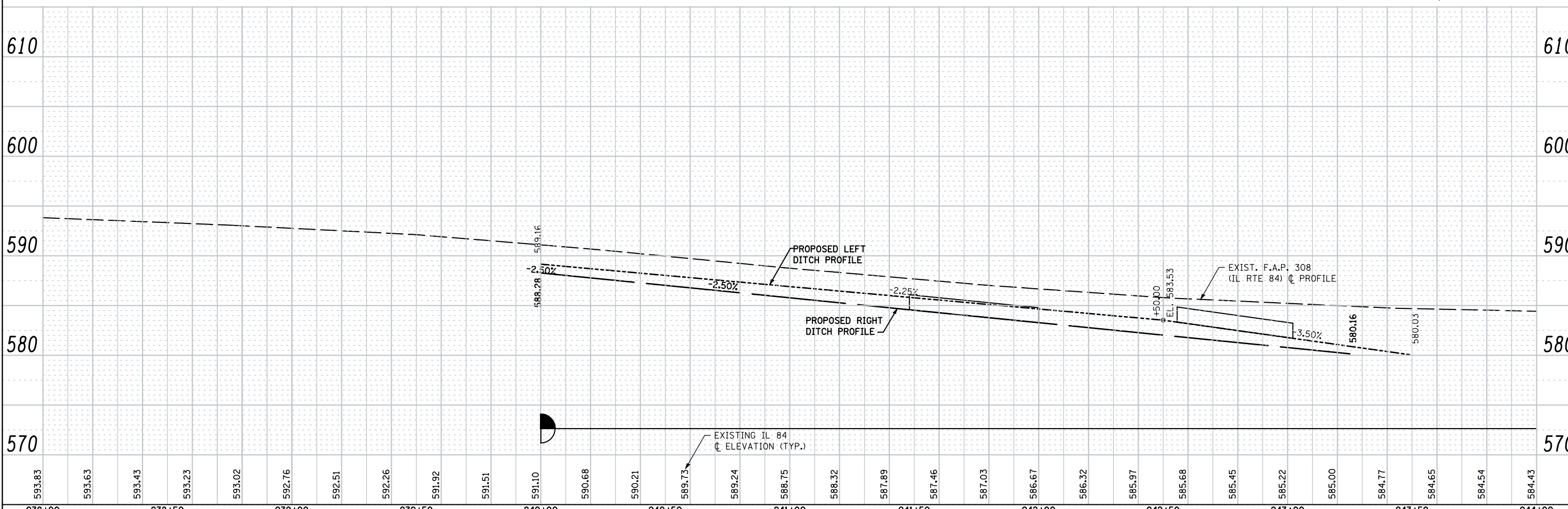
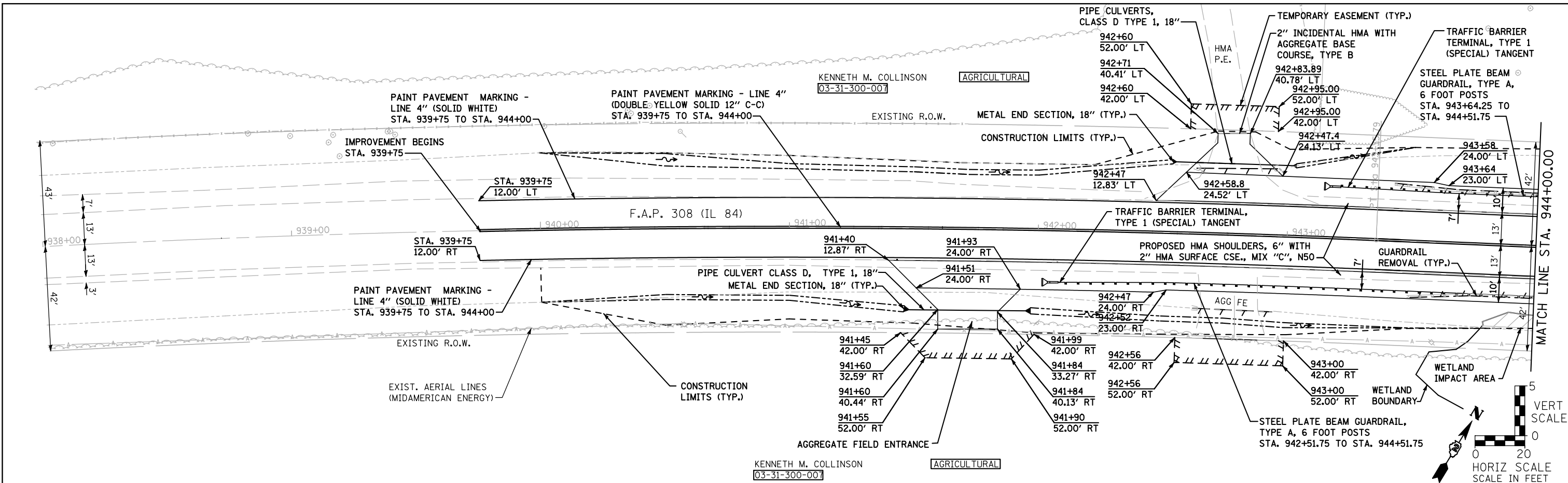
SCALE: AS SHOWN SHEET NO. OF SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
308	110T	ROCK ISLAND	51	16
CONTRACT NO. 64925				
FED. ROAD DIST. NO. 2 ILLINOIS FED. AID PROJECT				

PLAN	SURVEYED	DATE
	PLOTTED	BY
	CHECKED	
	NOTED	
	FILE NAME	

PROFILE	SURVEYED	DATE
	PLOTTED	BY
	CHECKED	
	NOTED	
	FILE NAME	

FILE NAME = s:\proj\6308-6399\6346\626\micro\cadd\sheet\0264925-shr-P&R1.dgn



938+00	938+50	939+00	939+50	940+00	940+50	941+00	941+50	942+00	942+50	943+00	943+50	944+00																		
593.83	593.63	593.43	593.23	593.02	592.76	592.51	592.26	591.92	591.51	591.10	589.68	590.21	589.73	589.24	588.75	588.32	587.89	587.46	587.03	586.67	586.32	585.97	585.68	585.45	585.22	585.00	584.77	584.65	584.54	584.43

STRAND ASSOCIATES
 1170 SOUTH HOUBOLT ROAD
 JOLIET, ILLINOIS 60431
 (815) 744-4200

USER NAME = briant	DESIGNED -	REVISD -
	CHECKED -	REVISD -
PLOT SCALE = 40.0000' / IN.	DRAWN -	REVISD -
PLOT DATE = 8/15/2012	CHECKED -	REVISD -

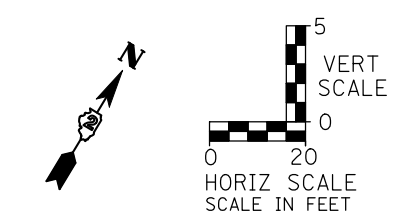
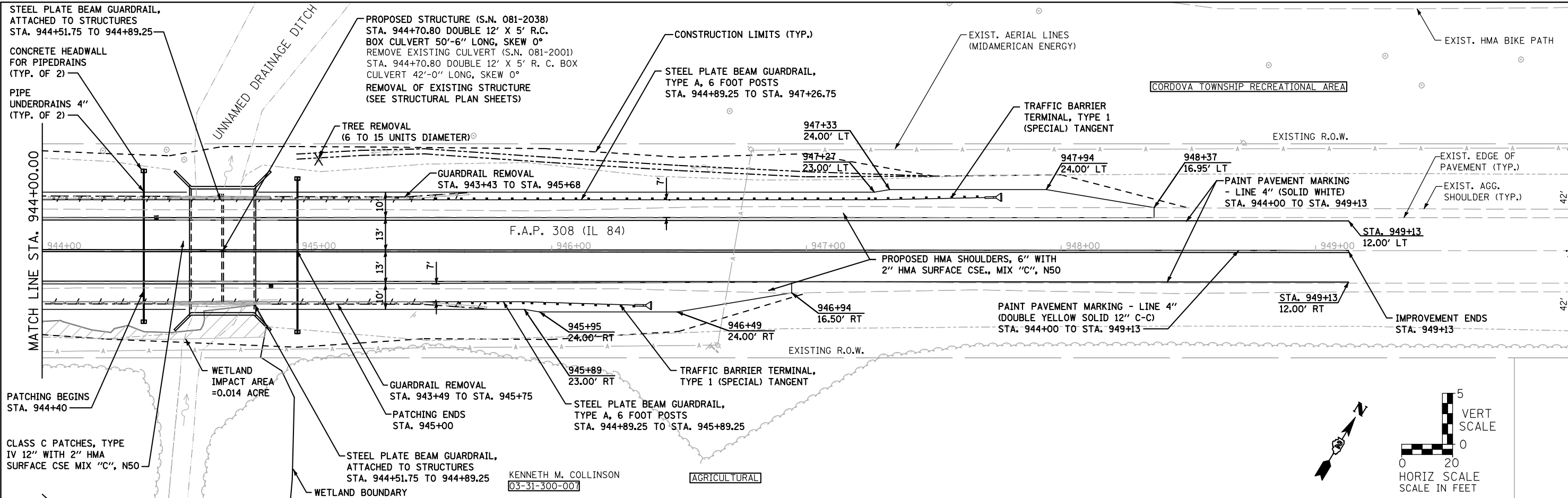
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SCALE: AS SHOWN	SHEET NO.	OF	SHEETS	STA.	TO STA.
-----------------	-----------	----	--------	------	---------

F.A.P. RTE. 308	SECTION 110T	COUNTY ROCK ISLAND	TOTAL SHEETS 51	SHEET NO. 17
CONTRACT NO. 64925				
FED. ROAD DIST. NO. 2 ILLINOIS FED. AID PROJECT				

DATE	
BY	
PLAN	SURVEYED
	NOTED
	CHECKED
	PLOTTED
	FILED
	DATE
	BY
	NAME
	NO.

DATE	
BY	
PROFILE	SURVEYED
	NOTED
	CHECKED
	PLOTTED
	FILED
	DATE
	BY
	NAME
	NO.

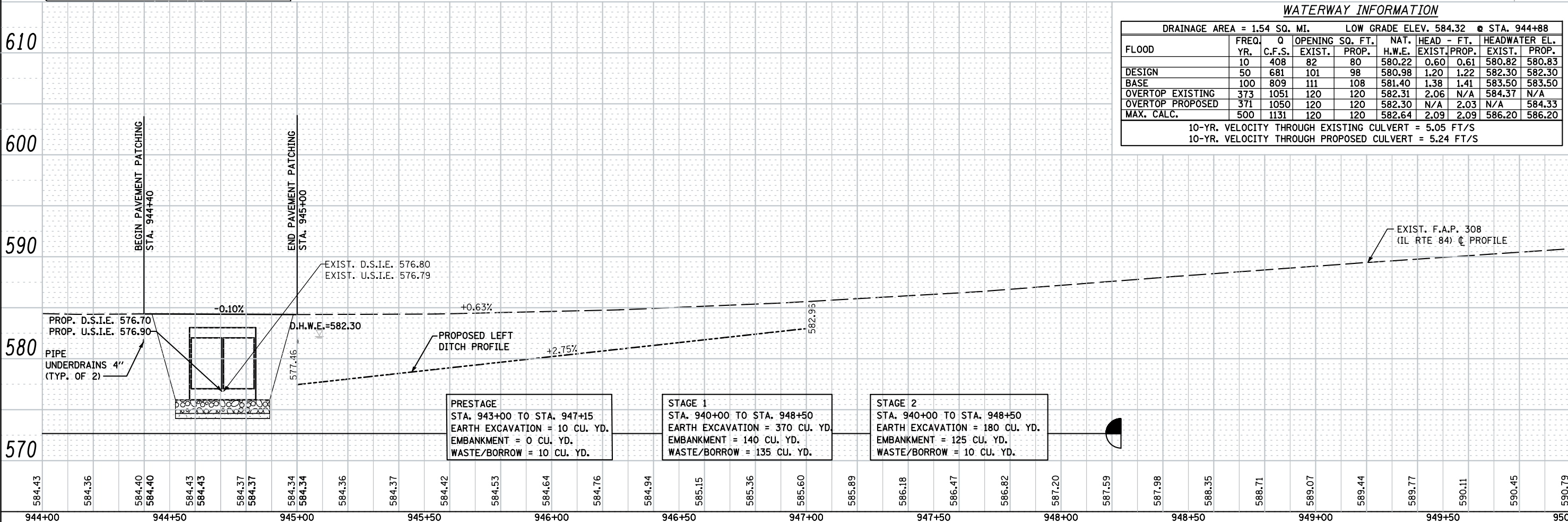


WATERWAY INFORMATION







DRAINAGE AREA = 1.54 SQ. MI. LOW GRADE ELEV. 584.32 @ STA. 944+88

FLOOD	FREQ. YR.	Q C.F.S.	OPENING SQ. FT.		NAT. HEAD - FT.		HEADWATER EL.		
			EXIST.	PROP.	H.W.E. EXIST.	PROP.	EXIST.	PROP.	
DESIGN	10	408	82	80	580.22	0.60	0.61	580.82	580.83
BASE	50	681	101	98	580.98	1.20	1.22	582.30	582.30
OVERTOP EXISTING	100	809	111	108	581.40	1.38	1.41	583.50	583.50
OVERTOP PROPOSED	373	1051	120	120	582.31	2.06	N/A	584.37	N/A
MAX. CALC.	371	1050	120	120	582.30	N/A	2.03	N/A	584.33
	500	1131	120	120	582.64	2.09	2.09	586.20	586.20

10-YR. VELOCITY THROUGH EXISTING CULVERT = 5.05 FT/S
10-YR. VELOCITY THROUGH PROPOSED CULVERT = 5.24 FT/S

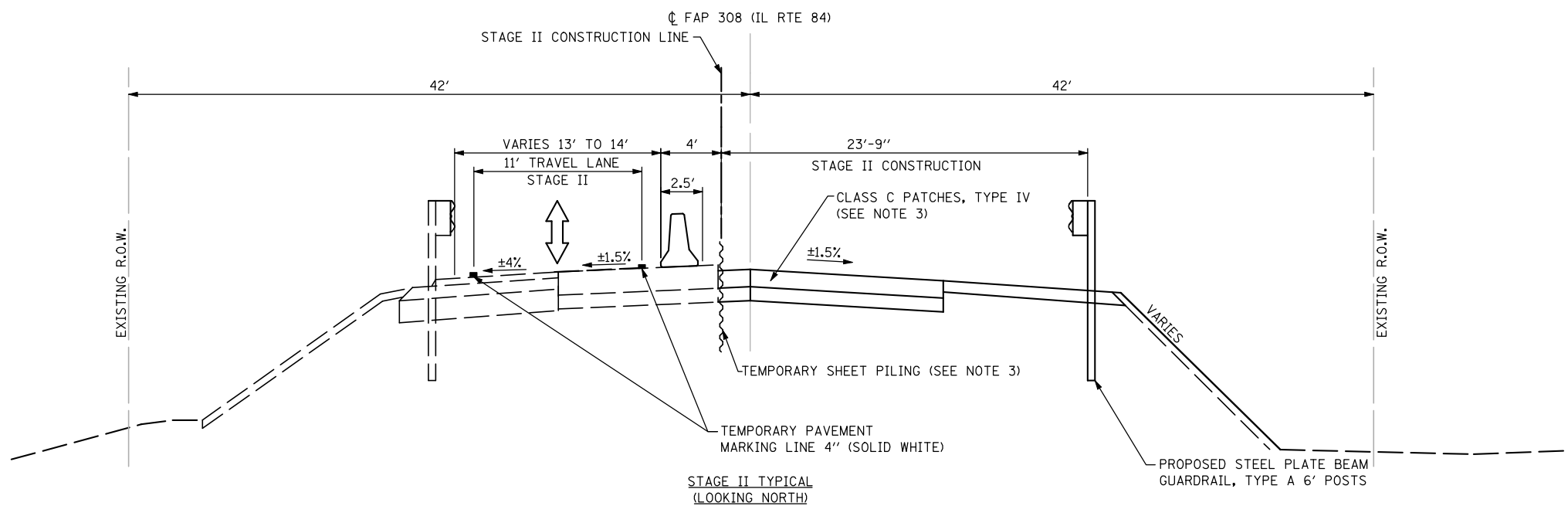
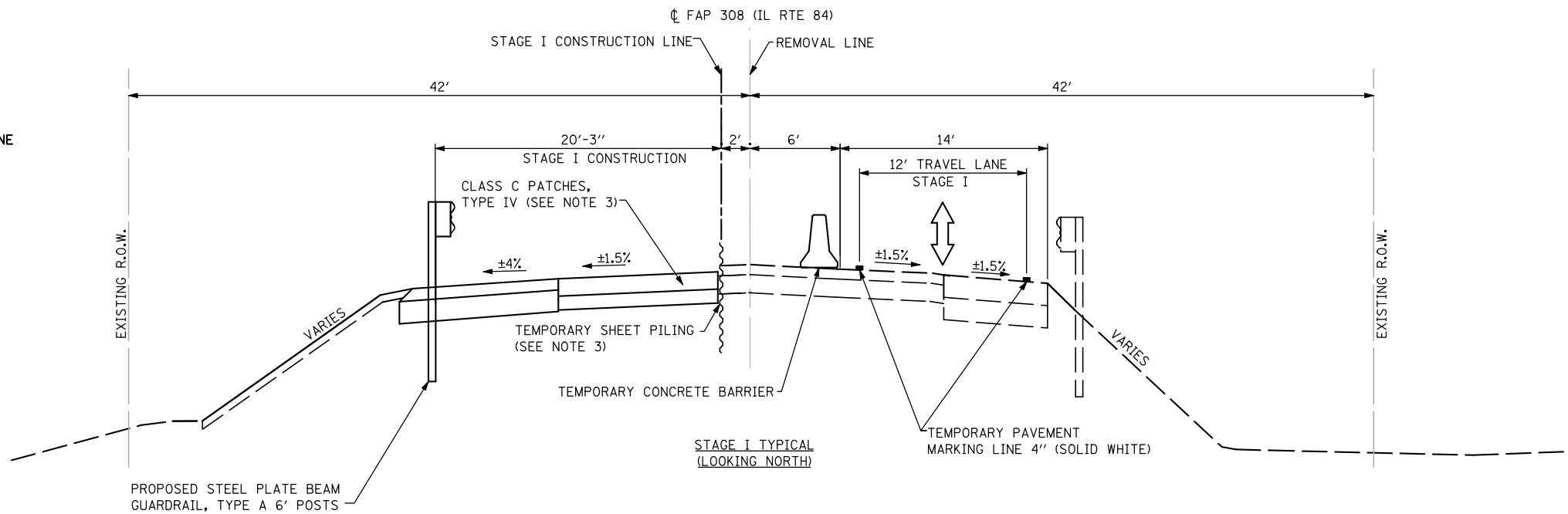
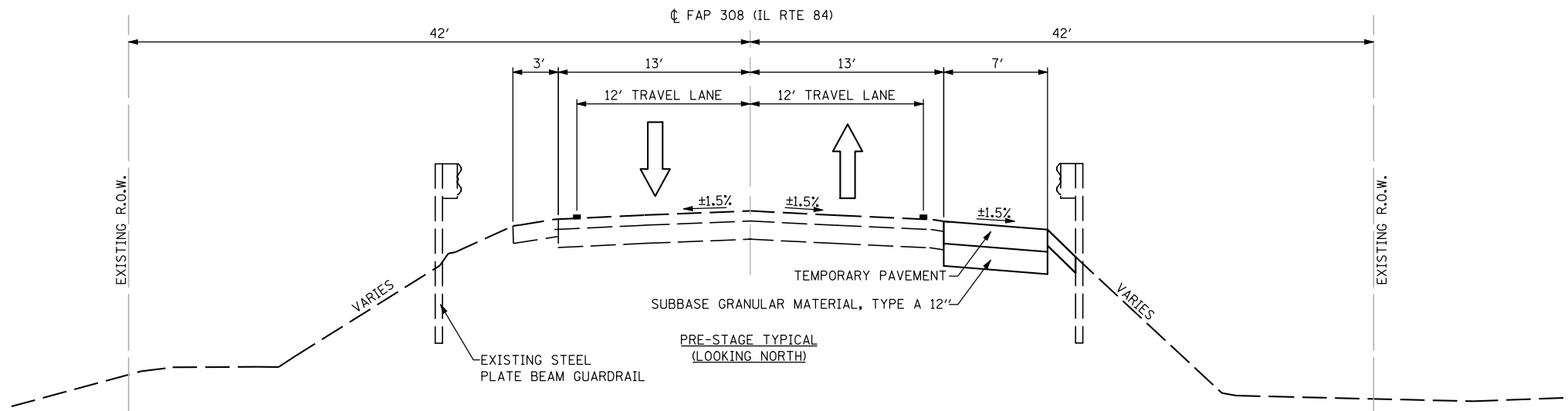


LEGEND:

	= WORK ZONE
	= TEMPORARY PAVEMENT
	= SIGN
	= TYPE III BARRICADE
	= DRUM WITH STEADY BURNING LIGHTS
	= TRAFFIC SIGNAL

GENERAL NOTES:

1. PLACEMENT OF TEMPORARY CONCRETE BARRIERS, TEMPORARY IMPACT ATTENUATORS, TEMPORARY SIGNALS, DRUMS WITH STEADY BURNING LIGHTS, AND STOP BARS SHALL BE AS SHOWN.
2. PLACEMENT OF OTHER TRAFFIC CONTROL ITEMS NOT SHOWN ON THE DRAWINGS SHALL BE DONE PER STANDARD 701321.
3. FROM STA. 944+40 TO STA. 945+00
4. THE BOTTOM 9" OF SUBBASE GRANULAR MATERIAL, TYPE A, 12" SHALL BE CA-2.



FILE NAME = s:\p1\6380--6395\6346\026\micro\cadd sheets\0264925-sh-t-typical4.dgn

SA
STRAND
ASSOCIATES

1170 SOUTH HOUBOLT ROAD
JOLIET, ILLINOIS 60431
(815) 744-4200
PLOT SCALE = 40.0000' / IN.
PLOT DATE = 8/15/2012

USER NAME = briant
DESIGNED -
DRAWN -
CHECKED -
DATE -

REVISED -
REVISED -
REVISED -
REVISED -

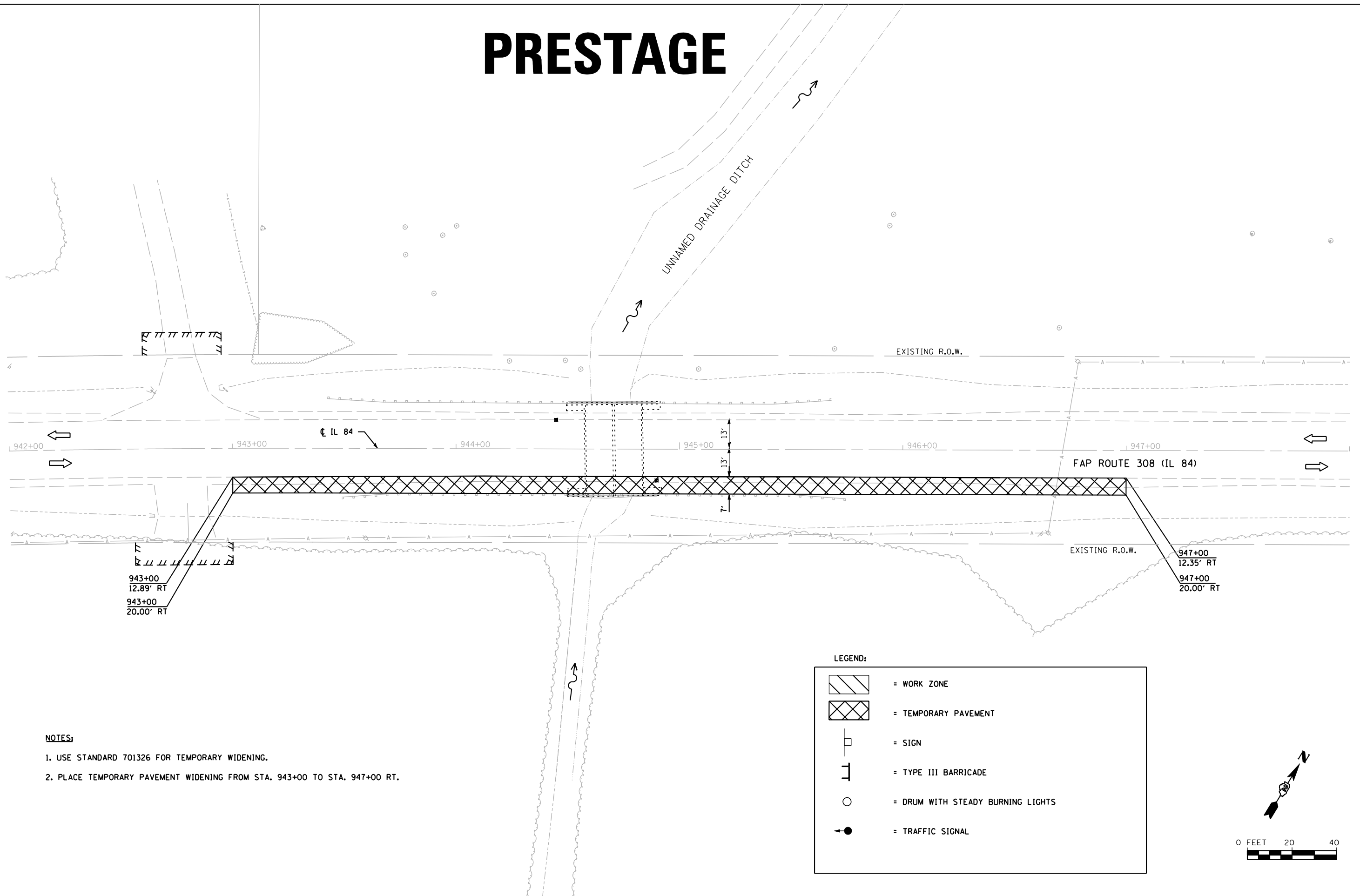
**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

STAGING TYPICAL SECTION

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







F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
308	110T	ROCK ISLAND	51	19
CONTRACT NO. 64925				
FED. ROAD DIST. NO. 2 ILLINOIS FED. AID PROJECT				

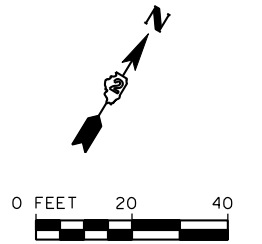
PRESTAGE



- NOTES:**
1. USE STANDARD 701326 FOR TEMPORARY WIDENING.
 2. PLACE TEMPORARY PAVEMENT WIDENING FROM STA. 943+00 TO STA. 947+00 RT.

LEGEND:

-  = WORK ZONE
-  = TEMPORARY PAVEMENT
-  = SIGN
-  = TYPE III BARRICADE
-  = DRUM WITH STEADY BURNING LIGHTS
-  = TRAFFIC SIGNAL



FILE NAME = s:\p1\6380--6395\6346\026\micro\cadd sheets\0264925-sh\staging.dgn

SA
STRAND
ASSOCIATES*

1170 SOUTH HOUBOLT ROAD JOLIET, ILLINOIS 60431 (815) 744-4200	USER NAME = brianf	DESIGNED -	REVISED -
		DRAWN -	REVISED -
	PLOT SCALE = 40.0000' / IN.	CHECKED -	REVISED -
	PLOT DATE = 8/8/2012	DATE -	REVISED -

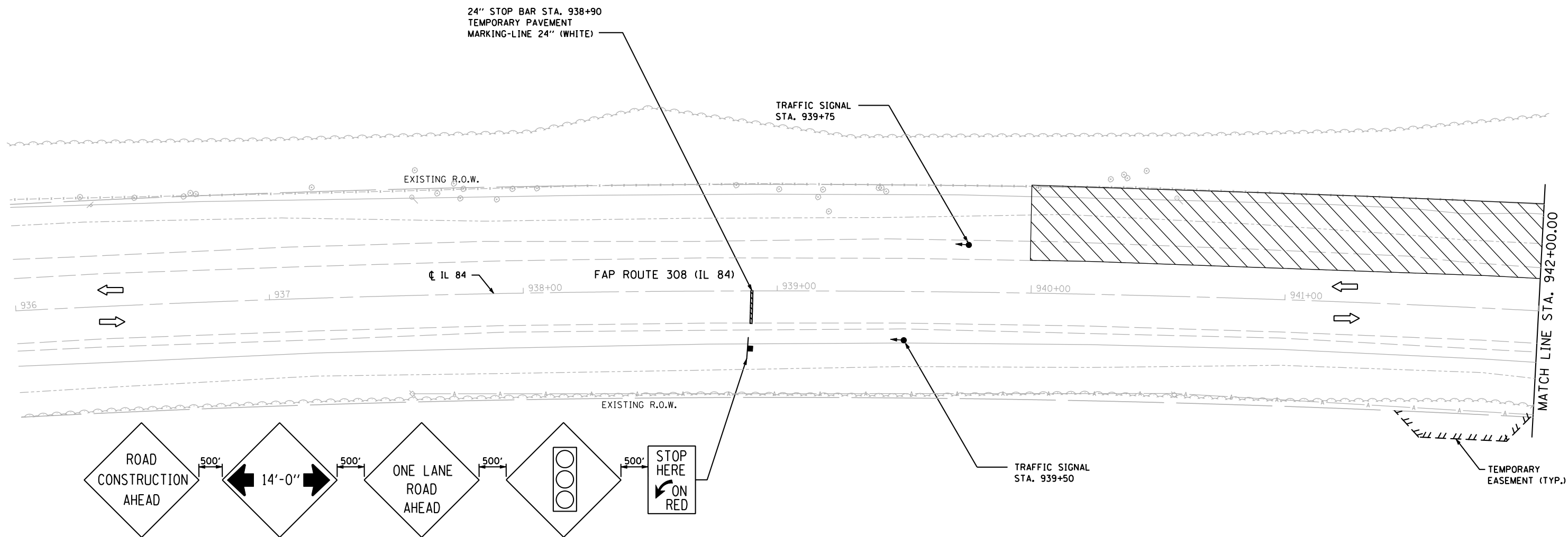
**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

SUGGESTED MAINTENANCE OF TRAFFIC

SCALE: AS SHOWN	SHEET NO.	OF	SHEETS	STA.	TO STA.
-----------------	-----------	----	--------	------	---------

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
308	110T	ROCK ISLAND	51	20
CONTRACT NO. 64925				
FED. ROAD DIST. NO. 2 ILLINOIS FED. AID PROJECT				

STAGE 1

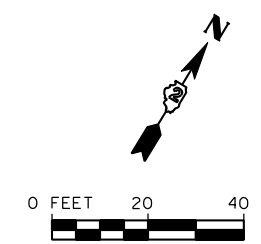


STAGE 1 NOTES:

1. INSTALL TRAFFIC CONTROL AND TEMPORARY SIGNALS ACCORDING TO STANDARD 701321.
2. DRIVE TEMPORARY SHEET PILING AS NECESSARY.
3. REMOVE THE WEST SIDE OF THE CULVERT.
4. CONSTRUCT THE WEST SIDE OF THE CULVERT INCLUDING RIP-RAP, EARTHWORK, AND CLASS C PATCH.
5. REMOVE AND CONSTRUCT HMA DRIVEWAY INCLUDING PROPOSED PIPE CULVERT.
6. INSTALL PROPOSED HMA SHOULDERS ON SOUTHBOUND LANE.
7. INSTALL THE PROPOSED GUARDRAIL ON THE WEST SIDE.

LEGEND:

	= WORK ZONE
	= TEMPORARY PAVEMENT
	= SIGN
	= TYPE III BARRICADE
	= DRUM WITH STEADY BURNING LIGHTS
	= TRAFFIC SIGNAL



FILE NAME = s:\p1\6380--6395\6346\026\micro\cadd sheets\0264925-sh1-stage1.dgn

SA STRAND ASSOCIATES
 1170 SOUTH HOUBOLT ROAD
 JOLIET, ILLINOIS 60431
 (815) 744-4200

USER NAME = brianf	DESIGNED -	REVISED -
	DRAWN -	REVISED -
PLOT SCALE = 40.0000' / IN.	CHECKED -	REVISED -
PLOT DATE = 8/8/2012	DATE -	REVISED -

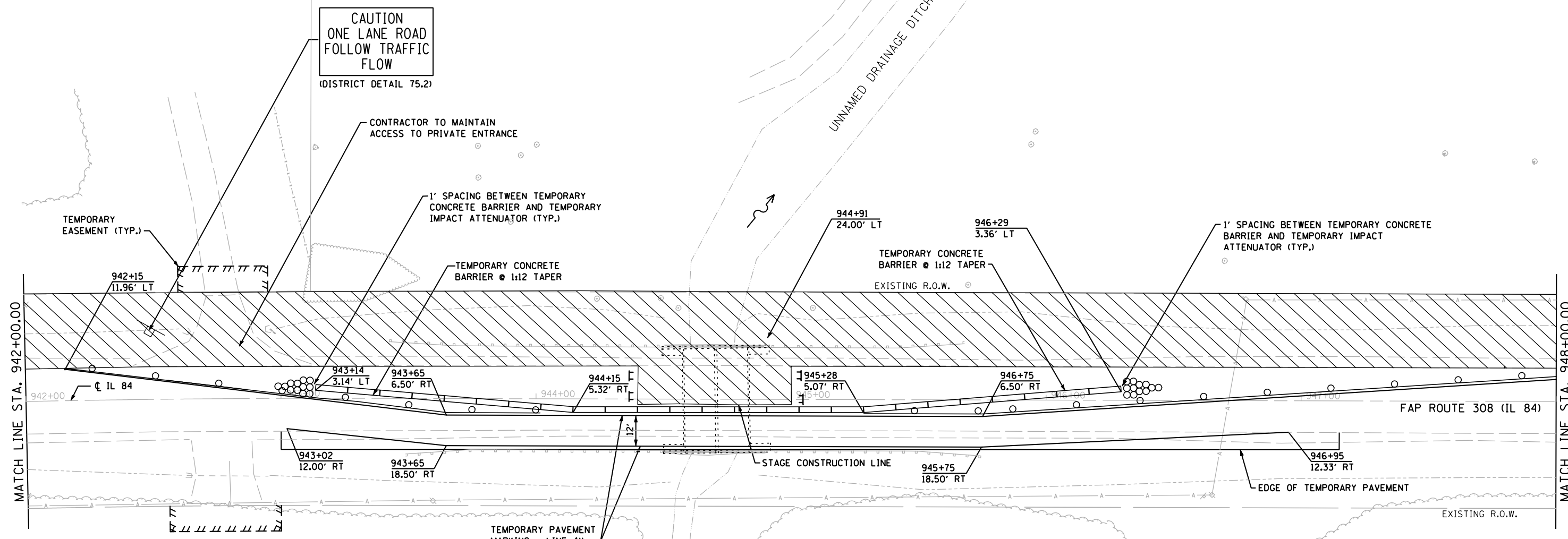
**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

SUGGESTED MAINTENANCE OF TRAFFIC

SCALE: AS SHOWN SHEET NO. OF SHEETS STA. TO STA. 942+00

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
308	110T	ROCK ISLAND	51	21
CONTRACT NO. 64925				
FED. ROAD DIST. NO. 2 ILLINOIS FED. AID PROJECT				

STAGE 1



CONTRACTOR TO MAINTAIN
ACCESS TO PRIVATE ENTRANCE







1' SPACING BETWEEN TEMPORARY
CONCRETE BARRIER AND TEMPORARY
IMPACT ATTENUATOR (TYP.)

TEMPORARY CONCRETE
BARRIER @ 1:12 TAPER

TEMPORARY CONCRETE
BARRIER @ 1:12 TAPER

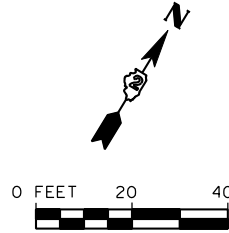
1' SPACING BETWEEN TEMPORARY CONCRETE
BARRIER AND TEMPORARY IMPACT
ATTENUATOR (TYP.)

LEGEND:

-  = WORK ZONE
-  = TEMPORARY PAVEMENT
-  = SIGN
-  = TYPE III BARRICADE
-  = DRUM WITH STEADY BURNING LIGHTS
-  = TRAFFIC SIGNAL

STAGE 1 NOTES:

1. INSTALL TRAFFIC CONTROL AND TEMPORARY SIGNALS ACCORDING TO STANDARD 701321.
2. DRIVE TEMPORARY SHEET PILING AS NECESSARY.
3. REMOVE THE WEST SIDE OF THE CULVERT.
4. CONSTRUCT THE WEST SIDE OF THE CULVERT INCLUDING RIP-RAP, EARTHWORK, AND CLASS C PATCH.
5. REMOVE AND CONSTRUCT HMA DRIVEWAY INCLUDING PROPOSED PIPE CULVERT.
6. INSTALL PROPOSED HMA SHOULDERS ON SOUTHBOUND LANE.
7. INSTALL THE PROPOSED GUARDRAIL ON THE WEST SIDE.



FILE NAME = s:\p1\6380--6395\6346\026\micro\cadd sheets\0264925-sh1-stage1.dgn

SA STRAND ASSOCIATES
1170 SOUTH HOUBOLT ROAD
JOLIET, ILLINOIS 60431
(815) 744-4200

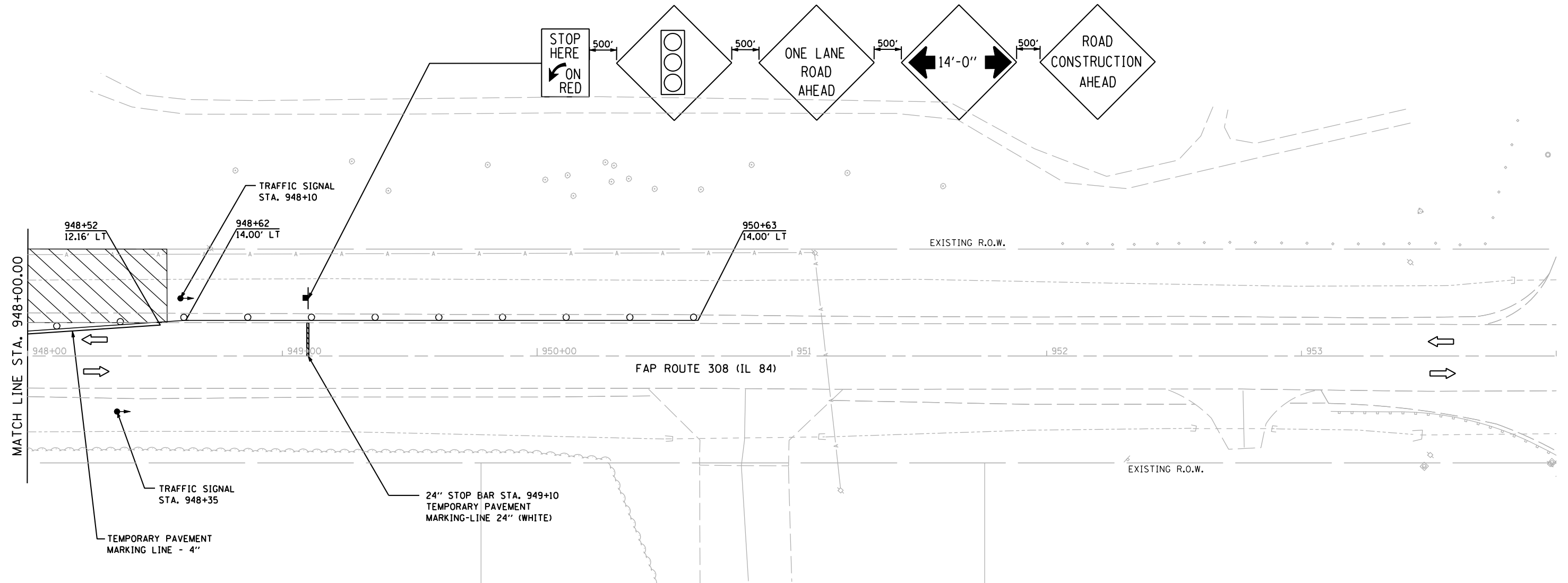
USER NAME = brianf	DESIGNED -	REVISED -
PLOT SCALE = 40.0000' / IN.	DRAWN -	REVISED -
PLOT DATE = 8/8/2012	CHECKED -	REVISED -
	DATE -	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

SUGGESTED MAINTENANCE OF TRAFFIC			
SCALE: AS SHOWN	SHEET NO.	OF SHEETS	STA. 942+00 TO STA. 948+00

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
308	110T	ROCK ISLAND	51	22
CONTRACT NO. 64925				
FED. ROAD DIST. NO. 2 ILLINOIS FED. AID PROJECT				

STAGE 1









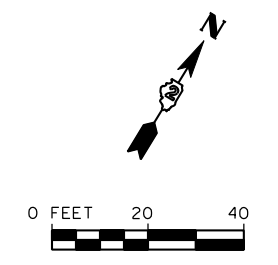
MATCH LINE STA. 948+00.00

STAGE 1 NOTES:

1. INSTALL TRAFFIC CONTROL AND TEMPORARY SIGNALS ACCORDING TO STANDARD 701321.
2. DRIVE TEMPORARY SHEET PILING AS NECESSARY.
3. REMOVE THE WEST SIDE OF THE CULVERT.
4. CONSTRUCT THE WEST SIDE OF THE CULVERT INCLUDING RIP-RAP, EARTHWORK, AND CLASS C PATCH.
5. REMOVE AND CONSTRUCT HMA DRIVEWAY INCLUDING PROPOSED PIPE CULVERT.
6. INSTALL PROPOSED HMA SHOULDERS ON SOUTHBOUND LANE.
7. INSTALL THE PROPOSED GUARDRAIL ON THE WEST SIDE.

LEGEND:

-  = WORK ZONE
-  = TEMPORARY PAVEMENT
-  = SIGN
-  = TYPE III BARRICADE
-  = DRUM WITH STEADY BURNING LIGHTS
-  = TRAFFIC SIGNAL



FILE NAME = s:\p1\6380--6395\6346\026\micro\cadd sheets\0264925-sh1-stage1.dgn

SA STRAND ASSOCIATES
 1170 SOUTH HOUBOLT ROAD
 JOLIET, ILLINOIS 60431
 (815) 744-4200

USER NAME = brianf	DESIGNED -	REVISED -
PLOT SCALE = 40.0000' / IN.	DRAWN -	REVISED -
PLOT DATE = 8/8/2012	CHECKED -	REVISED -
	DATE -	REVISED -

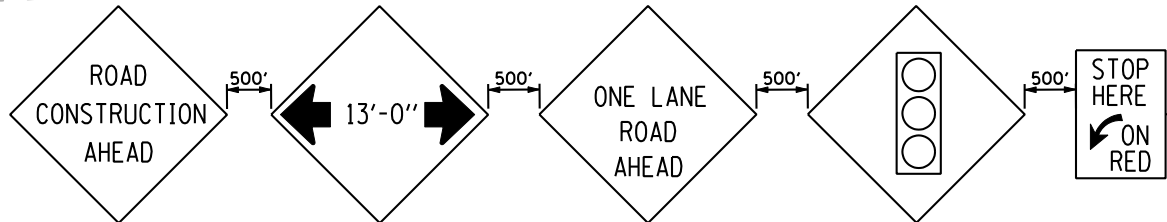
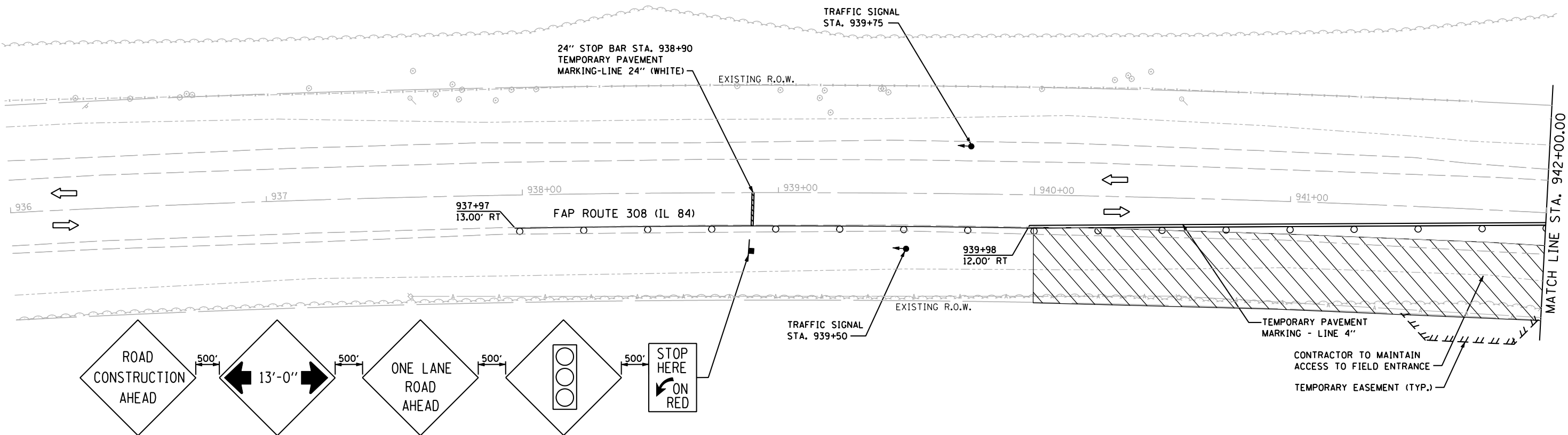
**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

SUGGESTED MAINTENANCE OF TRAFFIC

SCALE: AS SHOWN	SHEET NO.	OF	SHEETS	STA. 948+00	TO STA.
-----------------	-----------	----	--------	-------------	---------

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
308	110T	ROCK ISLAND	51	23
CONTRACT NO. 64925				
FED. ROAD DIST. NO. 2 ILLINOIS FED. AID PROJECT				

STAGE 2



STAGE 2 NOTES:

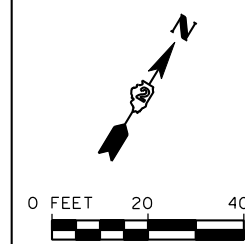
1. RELOCATE TRAFFIC CONTROL AND TEMPORARY SIGNALS ACCORDING TO STAGE 2 MAINTENANCE OF TRAFFIC DETAILS AND STANDARD 701321.
2. REMOVE EAST SIDE OF CULVERT AND TEMPORARY PAVEMENT.
3. CONSTRUCT THE EAST SIDE OF THE CULVERT INCLUDING RIP-RAP, EARTHWORK, AND CLASS C PATCH.
4. REMOVE FIELD ENTRANCE AND CONSTRUCT PROPOSED AGGREGATE FIELD ENTRANCE AT STA. 941+75.
5. INSTALL PROPOSED HMA SHOULDERS ON NORTHBOUND LANE.
6. INSTALL THE PROPOSED GUARDRAIL ON THE EAST SIDE.

STAGE 3 NOTES:

1. REMOVE TRAFFIC CONTROL AND TEMPORARY TRAFFIC SIGNALS FROM PREVIOUS MAINTENANCE OF TRAFFIC DETAILS AND STANDARD 701321.
2. INSTALL HMA SURFACE COURSE MIX "C", N50
INSTALL PERMANENT PAVEMENT MARKINGS.

LEGEND:

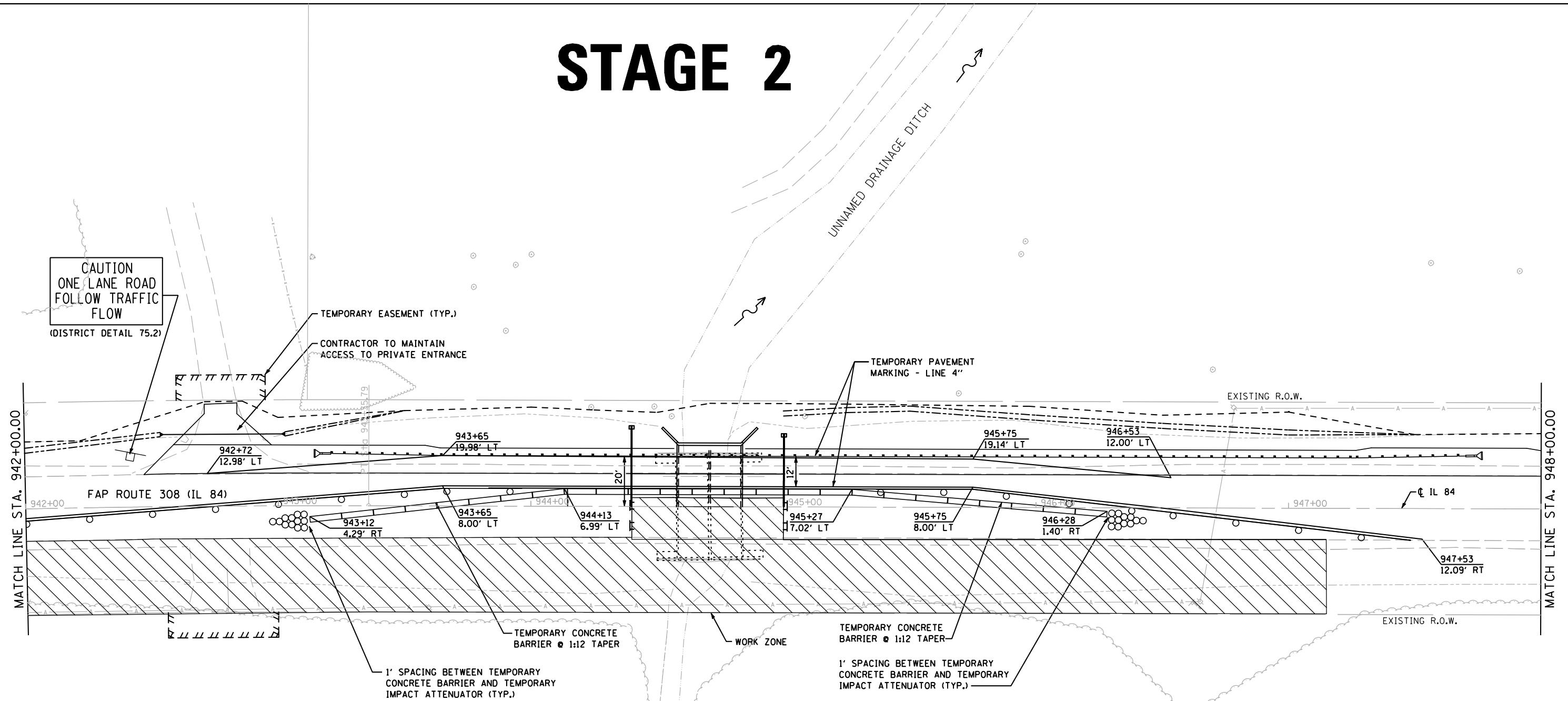
	= WORK ZONE
	= TEMPORARY PAVEMENT
	= SIGN
	= TYPE III BARRICADE
	= DRUM WITH STEADY BURNING LIGHTS
	= TRAFFIC SIGNAL



FILE NAME = s:\p1\6380--6395\6346\026\micro\cadd sheets\0264925-sh2-stage2.dgn

	1170 SOUTH HOUBOLT ROAD JOLIET, ILLINOIS 60431 (815) 744-4200	USER NAME = brianf	DESIGNED - DRAWN -	REVISED - REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	SUGGESTED MAINTENANCE OF TRAFFIC			F.A.P. RTE. 308	SECTION 110T	COUNTY ROCK ISLAND	TOTAL SHEETS 51	SHEET NO. 24
	PLOT SCALE = 40.0000' / IN.	CHECKED - DATE -	REVISED - REVISED -	SCALE: AS SHOWN					SHEET NO. OF SHEETS	STA. TO STA. 942+00	FED. ROAD DIST. NO. 2 ILLINOIS FED. AID PROJECT CONTRACT NO. 64925		

STAGE 2



STAGE 2 NOTES:

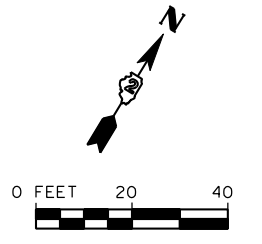
1. RELOCATE TRAFFIC CONTROL AND TEMPORARY SIGNALS ACCORDING TO STAGE 2 MAINTENANCE OF TRAFFIC DETAILS AND STANDARD 701321.
2. REMOVE EAST SIDE OF CULVERT AND TEMPORARY PAVEMENT.
3. CONSTRUCT THE EAST SIDE OF THE CULVERT INCLUDING RIP-RAP, EARTHWORK, AND CLASS C PATCH.
4. REMOVE FIELD ENTRANCE AND CONSTRUCT PROPOSED AGGREGATE FIELD ENTRANCE AT STA. 941+70.
5. INSTALL PROPOSED HMA SHOULDERS ON NORTHBOUND LANE.
6. INSTALL THE PROPOSED GUARDRAIL ON THE EAST SIDE.

STAGE 3 NOTES:

1. REMOVE TRAFFIC CONTROL AND TEMPORARY TRAFFIC SIGNALS FROM PREVIOUS MAINTENANCE OF TRAFFIC DETAILS AND STANDARD 701321.
2. INSTALL HMA SURFACE COURSE MIX "C", N50
3. INSTALL PERMANENT PAVEMENT MARKINGS.

LEGEND:

	= WORK ZONE
	= TEMPORARY PAVEMENT
	= SIGN
	= TYPE III BARRICADE
	= DRUM WITH STEADY BURNING LIGHTS
	= TRAFFIC SIGNAL



FILE NAME = s:\p1\6380--6395\6346\026\micro\cadd sheets\0264925-sh2-stage2.dgn



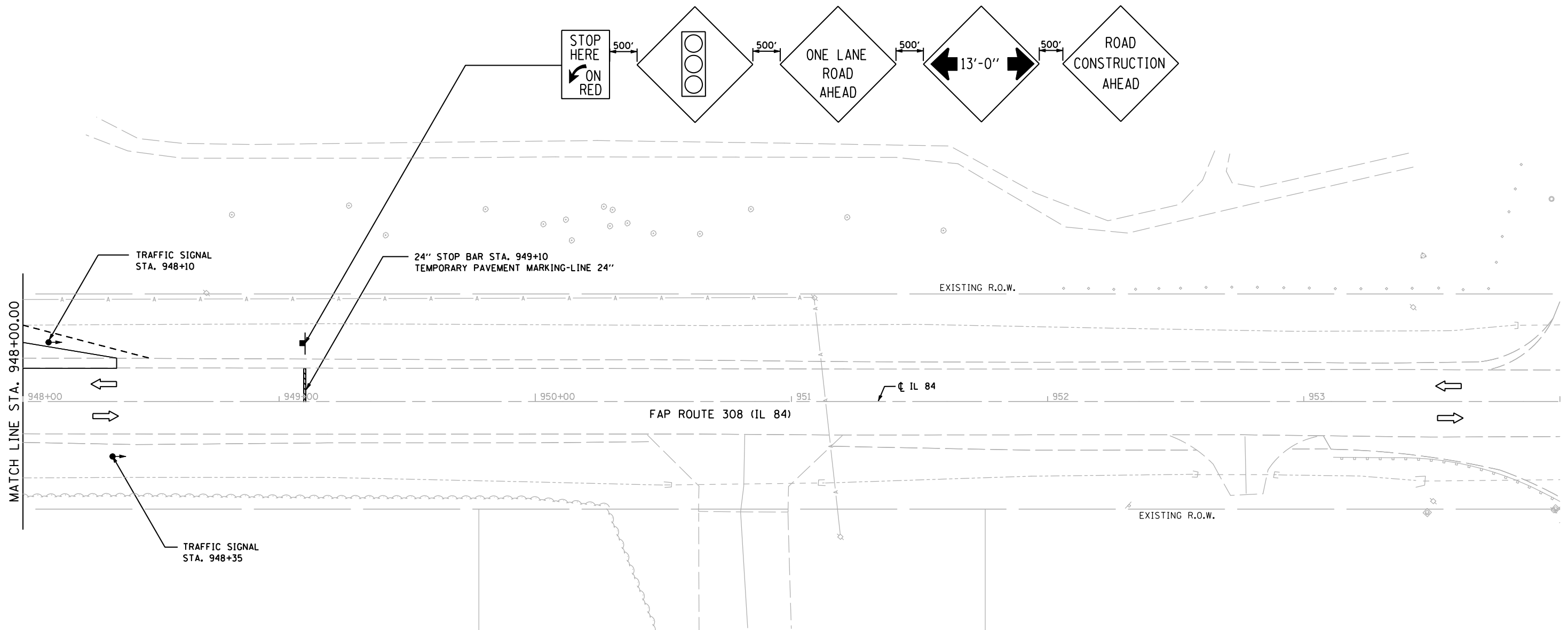
1170 SOUTH HOUBOLT ROAD JOLIET, ILLINOIS 60431 (815) 744-4200	USER NAME = brianf	DESIGNED -	REVISED -
	PLOT SCALE = 40.0000' / IN.	DRAWN -	REVISED -
	PLOT DATE = 8/15/2012	CHECKED -	REVISED -
		DATE -	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

SUGGESTED MAINTENANCE OF TRAFFIC			
SCALE: AS SHOWN	SHEET NO.	OF SHEETS	STA. 942+00 TO STA. 948+00

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
308	110T	ROCK ISLAND	51	25
CONTRACT NO. 64925				
FED. ROAD DIST. NO. 2 ILLINOIS FED. AID PROJECT				

STAGE 2



STAGE 2 NOTES:

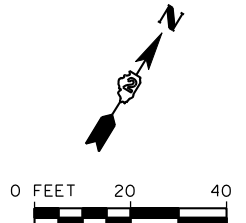
1. RELOCATE TRAFFIC CONTROL AND TEMPORARY SIGNALS ACCORDING TO STAGE 2 MAINTENANCE OF TRAFFIC DETAILS AND STANDARD 701321.
2. REMOVE EAST SIDE OF CULVERT AND TEMPORARY PAVEMENT.
3. CONSTRUCT THE EAST SIDE OF THE CULVERT INCLUDING RIP-RAP, EARTHWORK, AND CLASS C PATCH.
4. REMOVE FIELD ENTRANCE AND CONSTRUCT PROPOSED AGGREGATE FIELD ENTRANCE AT STA. 941+70.
5. INSTALL PROPOSED HMA SHOULDERS ON NORTHBOUND LANE.
6. INSTALL THE PROPOSED GUARDRAIL ON THE EAST SIDE.

STAGE 3 NOTES:

1. REMOVE TRAFFIC CONTROL AND TEMPORARY TRAFFIC SIGNALS FROM PREVIOUS MAINTENANCE OF TRAFFIC DETAILS AND STANDARD 701321.
2. INSTALL HMA SURFACE COURSE MIX "C", N50
3. INSTALL PERMANENT PAVEMENT MARKINGS.

LEGEND:

	= WORK ZONE
	= TEMPORARY PAVEMENT
	= SIGN
	= TYPE III BARRICADE
	= DRUM WITH STEADY BURNING LIGHTS
	= TRAFFIC SIGNAL



FILE NAME = s:\p1\6380--6395\6346\026\micro\cadd sheets\0264925-sh2-stage2.dgn

SA STRAND ASSOCIATES
 1170 SOUTH HOUBOLT ROAD
 JOLIET, ILLINOIS 60431
 (815) 744-4200

USER NAME = brianf	DESIGNED -	REVISED -
PLOT SCALE = 40.0000' / IN.	DRAWN -	REVISED -
PLOT DATE = 8/15/2012	CHECKED -	REVISED -
	DATE -	REVISED -

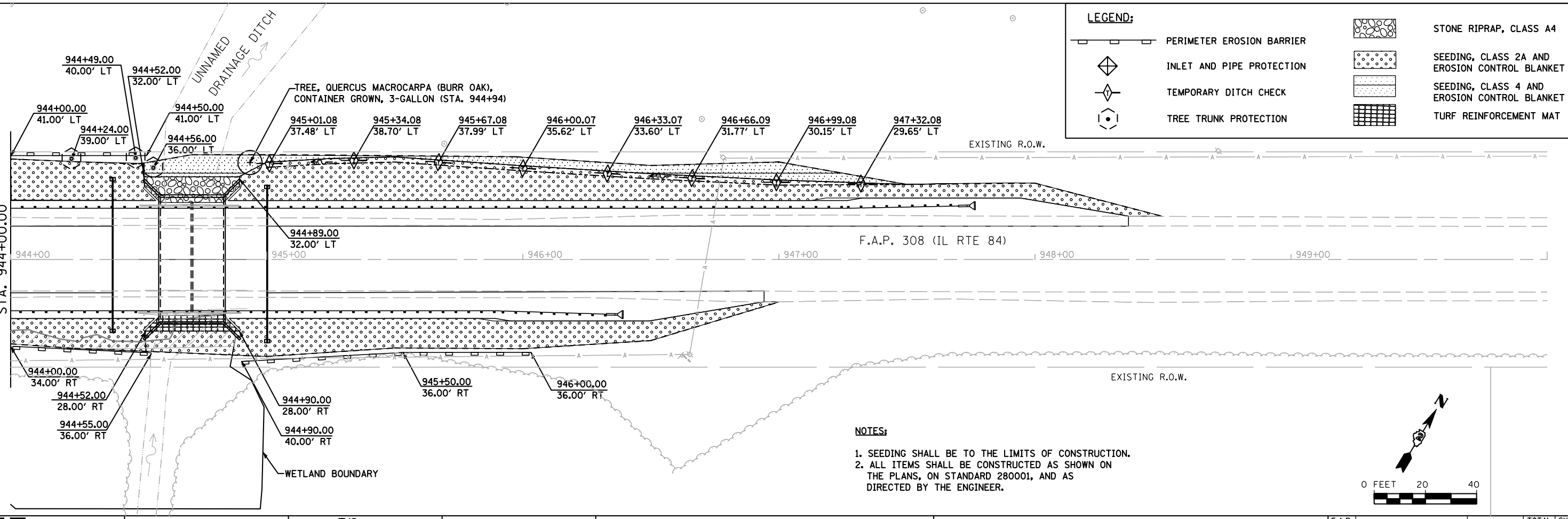
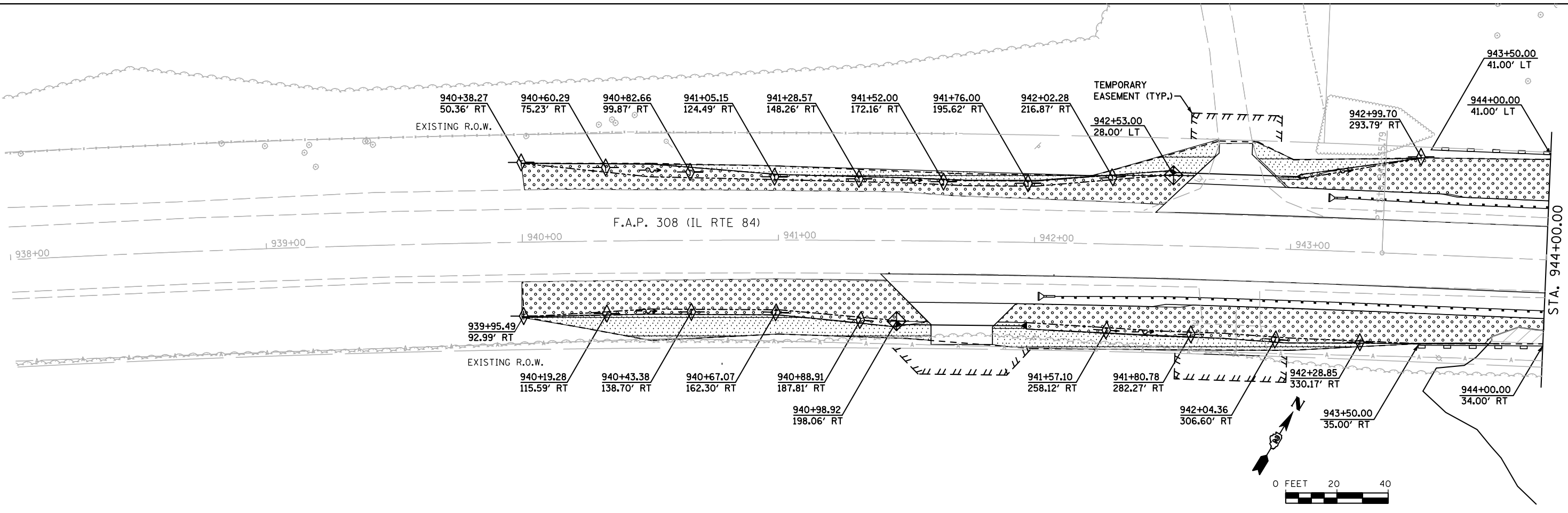
**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

SUGGESTED MAINTENANCE OF TRAFFIC

SCALE: AS SHOWN	SHEET NO.	OF	SHEETS	STA.	TO STA. 948+00
-----------------	-----------	----	--------	------	----------------

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
308	110T	ROCK ISLAND	51	26
CONTRACT NO. 64925				
FED. ROAD DIST. NO. 2 ILLINOIS FED. AID PROJECT				

FILE NAME = s:\p1\6380--6395\6346\026\macro\cadd sheets\1264925-ah-eros.dgn



LEGEND:

	PERIMETER EROSION BARRIER		STONE RIPRAP, CLASS A4
	INLET AND PIPE PROTECTION		SEEDING, CLASS 2A AND EROSION CONTROL BLANKET
	TEMPORARY DITCH CHECK		SEEDING, CLASS 4 AND EROSION CONTROL BLANKET
	TREE TRUNK PROTECTION		TURF REINFORCEMENT MAT

NOTES:
 1. SEEDING SHALL BE TO THE LIMITS OF CONSTRUCTION.
 2. ALL ITEMS SHALL BE CONSTRUCTED AS SHOWN ON THE PLANS, ON STANDARD 280001, AND AS DIRECTED BY THE ENGINEER.

SA STRAND ASSOCIATES
 1170 SOUTH HOUBOLT ROAD
 JOLIET, ILLINOIS 60431
 (815) 744-4200

USER NAME = briant	DESIGNED TJS	REVISED -
PLOT SCALE = 48.0000' / IN.	DRAWN BJF	REVISED -
PLOT DATE = 8/8/2012	CHECKED VLF	REVISED -
	DATE -	REVISED -

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

EROSION CONTROL
 SCALE: AS SHOWN SHEET NO. 1 OF 1 SHEETS STA. TO STA.

F.A.P. RTE. 308	SECTION 110T	COUNTY ROCK ISLAND	TOTAL SHEETS 51	SHEET NO. 27
CONTRACT NO. 64925				
FED. ROAD DIST. NO. 2 ILLINOIS FED. AID PROJECT				

Benchmark: Railroad spike in Power Pole south of Structure Elev. 594.35.

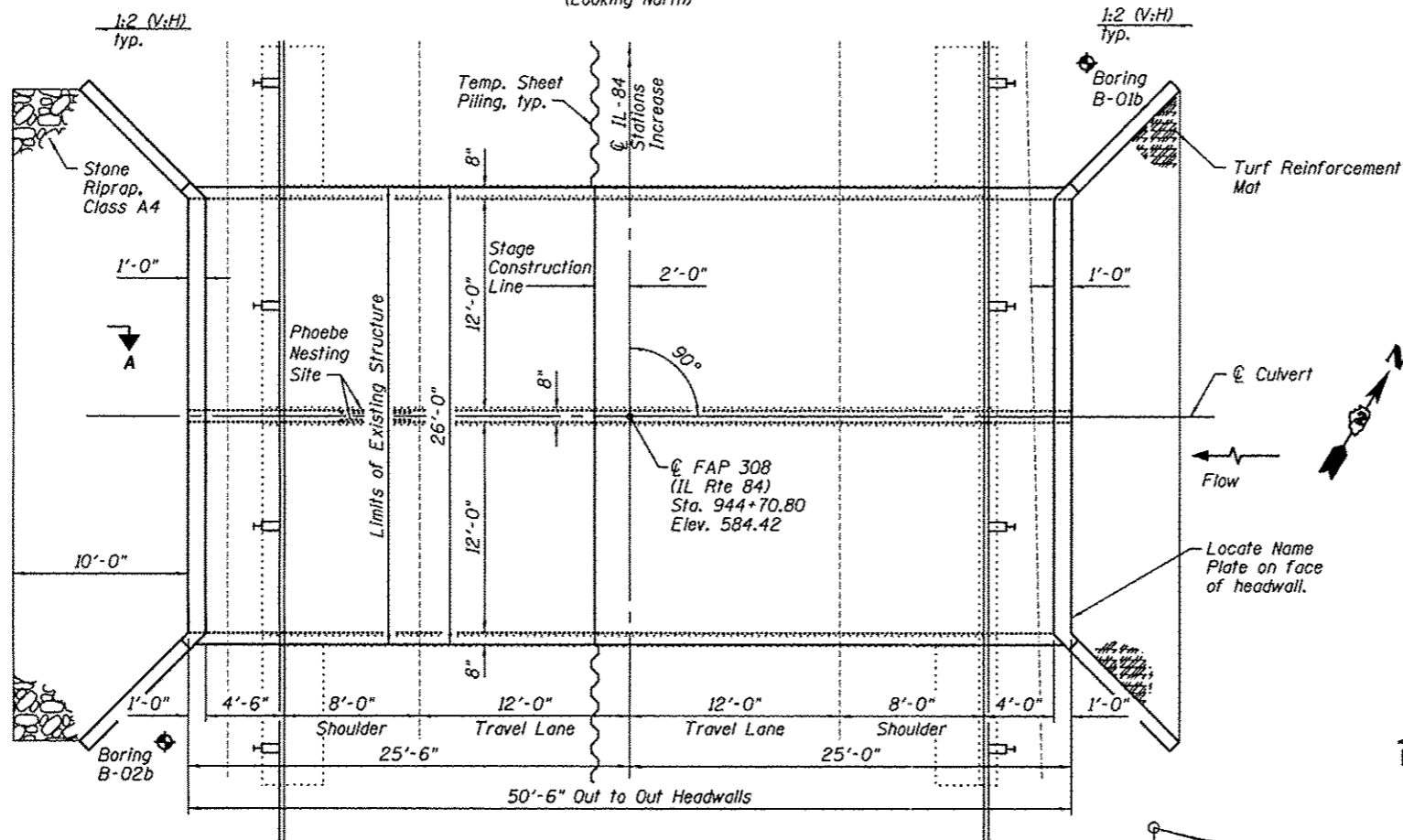
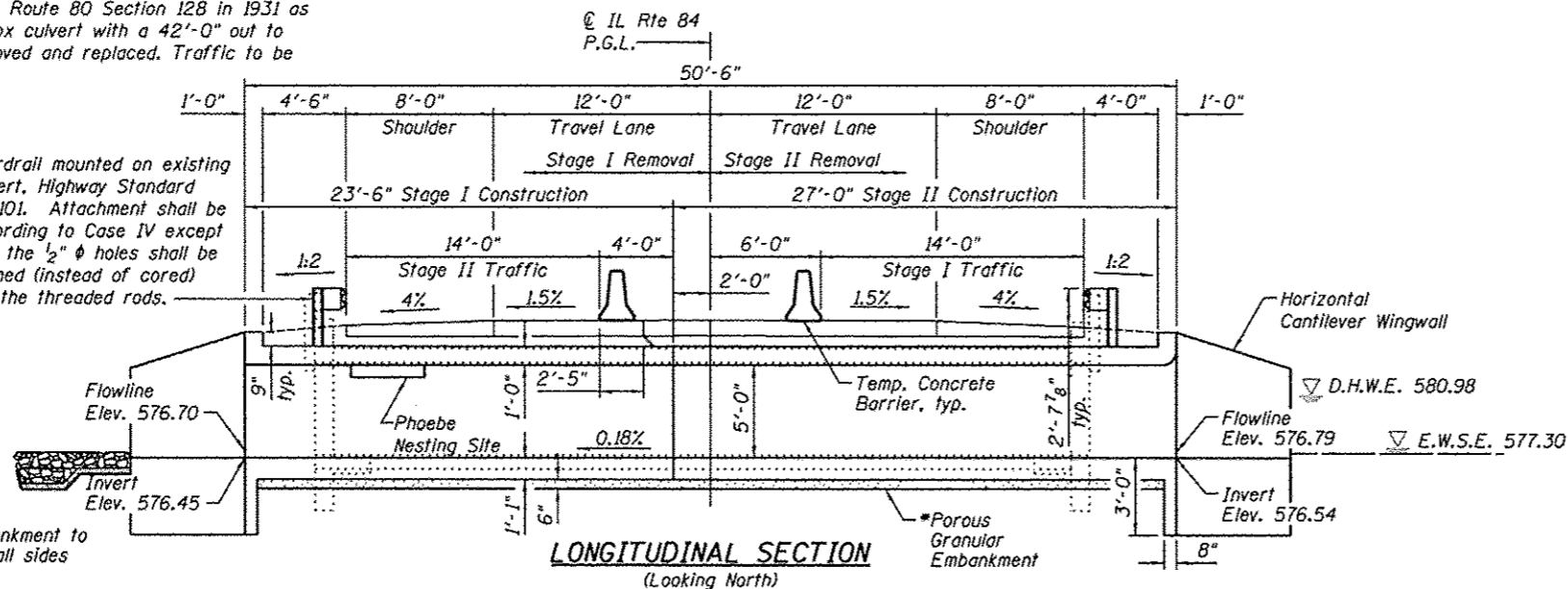
Existing Structure: SN 081-2001 built as Route 80 Section 128 in 1931 as a double 12' x 5' reinforced concrete box culvert with a 42'-0" out to out length. Existing structure to be removed and replaced. Traffic to be maintained utilizing stage construction.

No Salvage.

Precast alternate is not allowed.

Guardrail mounted on existing culvert, Highway Standard 630101. Attachment shall be according to Case IV except that the 1/2" φ holes shall be formed (instead of cored) for the threaded rods.

• Porous Granular Embankment to extend 2'-0" beyond all sides of the Box Culvert



INDEX OF SHEETS

- 1 General Plan and Elevation
- 2 Stage Construction and Temporary Sheet Piling
- 3 Temporary Concrete Barrier For Stage Construction
- 4 Culvert Details
- 5 Bar Splicer Assembly and Mechanical Splicer Details
- 6-7 Soil Boring Logs

CURVE DATA

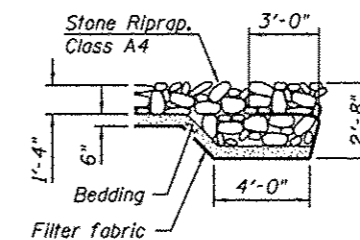
Δ = 18° 14' 31" (RT)
 D = 1° 0' 0"
 T = 919.88'
 L = 1,824.19'
 E = 73.37'
 R = 5,729.56'
 S.E. = 0.0135'/ft.
 P.C. = Sta. 925+11.60
 P.T. = Sta. 943+35.79
 P.I. = Sta. 934+31.48

STATION 994+70.80
 BUILT 20 BY
 STATE OF ILLINOIS
 F.A.P. RTE. 308 SEC. 110T
 LOADING HL-93
 STRUCTURE NO. 081-2038

LOADING HL-93
 Allow 50#/sq. ft. for future wearing surface.

NAME PLATE
 See Std. 515001

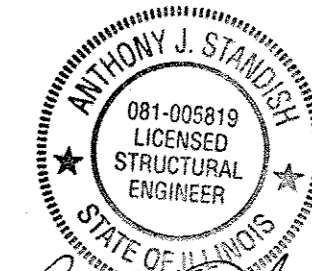
DESIGN SPECIFICATIONS
 2010 AASHTO LRFD Bridge Design Specifications,
 5th Edition with 2010 Interim Revisions



DESIGN STRESSES
 FIELD UNITS

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

APPROVED
 For Structural Adequacy Only
[Signature]
 Engineer of Bridges & Structures



[Signature]
 exp 11/2012

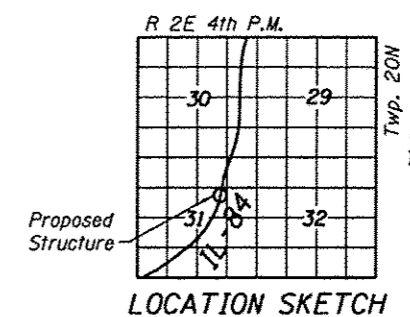
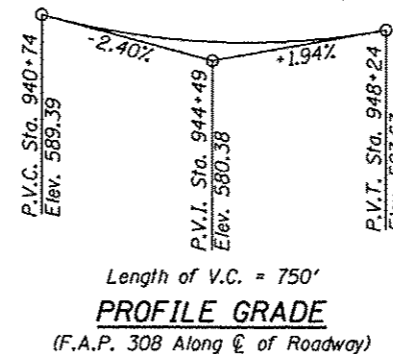
WATERWAY INFORMATION

Drainage Area = 1.54 sq. mi. Low Grade Elev. 584.32 @ Sta. 944+88

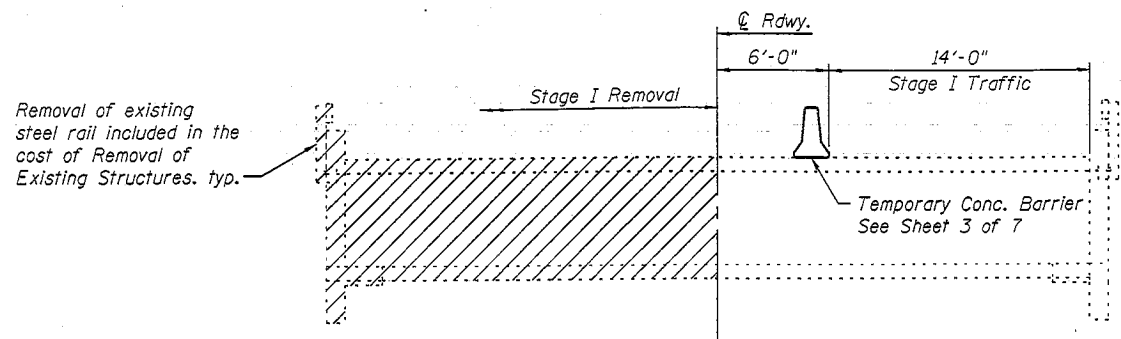
Flood	Freq. Yr.	Q C.F.S.	Opening Sq. Ft.		Head - Ft.		Headwater Elev.		
			Exist.	Prop.	H.W.E. Exist.	Prop.	Exist.	Prop.	
Design	10	408	81	81	580.18	0.59	0.57	580.77	580.75
Base	50	681	100	100	580.94	1.18	1.16	582.12	582.10
Overtop Existing	100	809	111	111	581.40	1.32	1.29	582.72	583.69
Overtop Proposed	371	1050	120	120	582.30	2.02	N/A	584.32	N/A
Max. Calc.	500	1131	120	120	582.61	2.11	2.11	584.72	584.72

DESIGN SCOUR ELEVATION TABLE

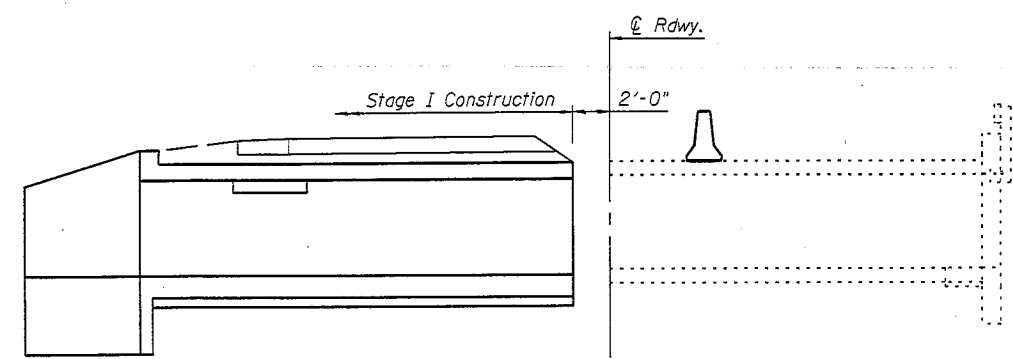
Design Scour Elevation (ft.)	Upstream	Downstream
	573.54	573.45



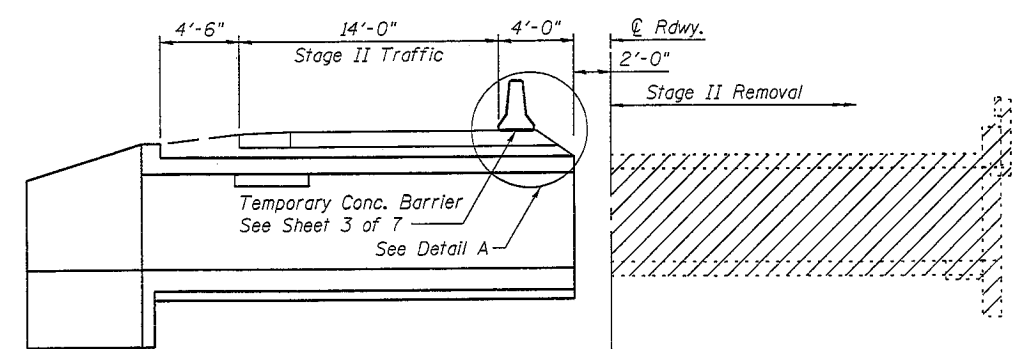
GENERAL PLAN & ELEVATION
 IL- 84 OVER DRAINAGE DITCH
 F.A.P. RTE. 308 - SEC. 110T
 ROCK ISLAND COUNTY
 STATION 944+70.80
 STRUCTURE NO. 081-2038



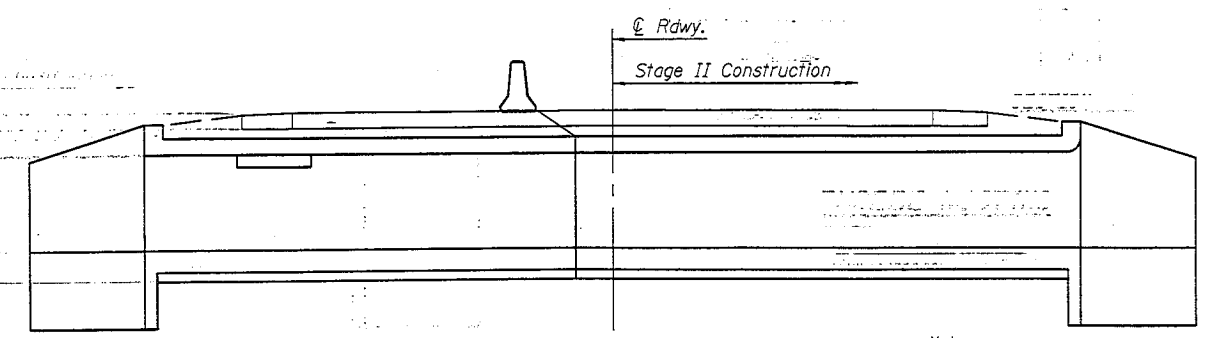
STAGE I REMOVAL



STAGE I CONSTRUCTION

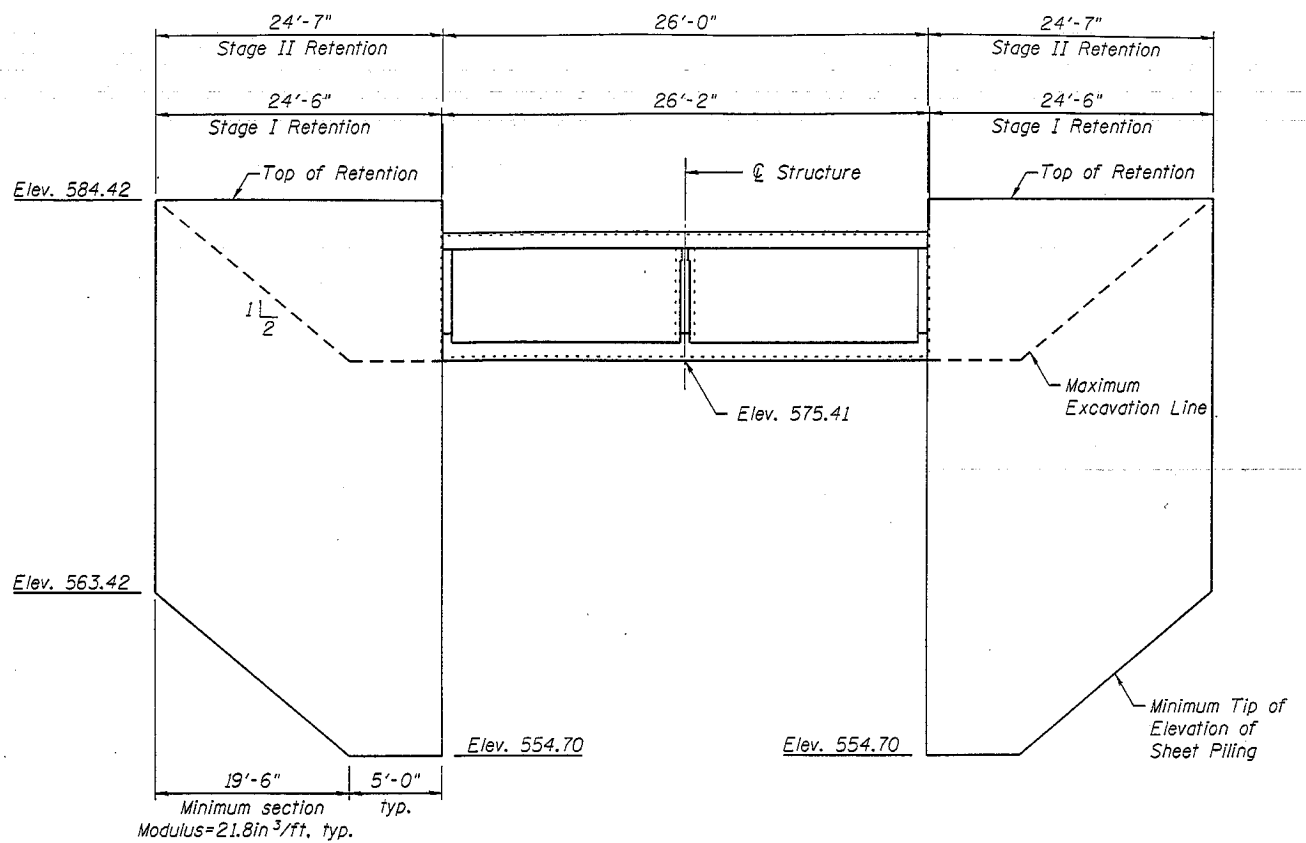


STAGE II REMOVAL



STAGE II CONSTRUCTION

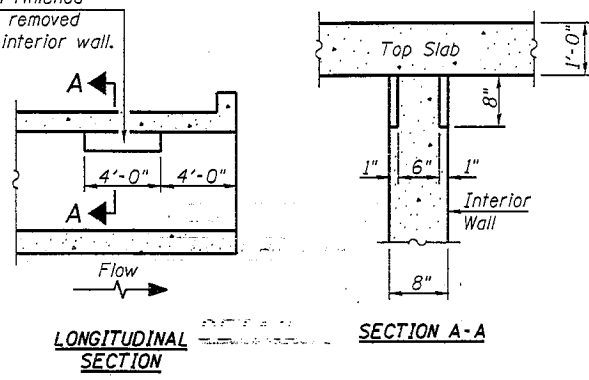
Notes:
 Hatched areas indicate removal of existing structures.
 For quantity of temporary concrete barrier, see Roadway Plans.
 All cross sections are looking north.



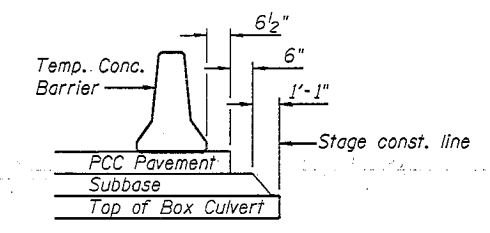
TEMPORARY SHEET PILING

Notes:
 If the Contractor chooses to alter the temporary cantilevered sheet piling design requirements shown on the plans, a design submittal including plan details and calculations will be required for review and acceptance by the Engineer.
 The Contractor shall connect the first sheet to the existing abutment wall to ensure stability of sheets driven to the top of the existing footing. This connection shall be reviewed and accepted by the Engineer and included in the cost for Temporary Sheet Piling.

Notch formed by rough finished board attached to and removed with form work, each interior wall. (Do not chamfer).



LONGITUDINAL SECTION SECTION A-A



DETAIL A

PHOEBE NESTING SITE DETAILS
 (Downstream End Only)

TOTAL BILL OF MATERIALS

ITEM	UNIT	TOTAL
Porous Granular Embankment	CU YD	27
Stone Riprap, Class A4	SQ YD	37
Filter Fabric	SQ YD	37
Turf Reinforcement Mat	SQ YD	22
Removal Of Existing Structures	EACH	1
Reinforcement Bars, Epoxy Coated	POUND	42,270
Bar Splicers	EACH	122
Name Plates	EACH	1
Concrete Box Culverts	CU YD	134
Temporary Sheet Piling	SO FT	1,316

FILE NAME = S:\101\62380-6399\6346\626\Micro\CAAD_Sheets\Structure\0378174-64925-002-STAGE.dgn

SA STRAND ASSOCIATES
 1170 SOUTH HOUBOLT ROAD
 JOLIET, ILLINOIS 60431
 (815) 744-4200
 IDPR NO. 184-001273

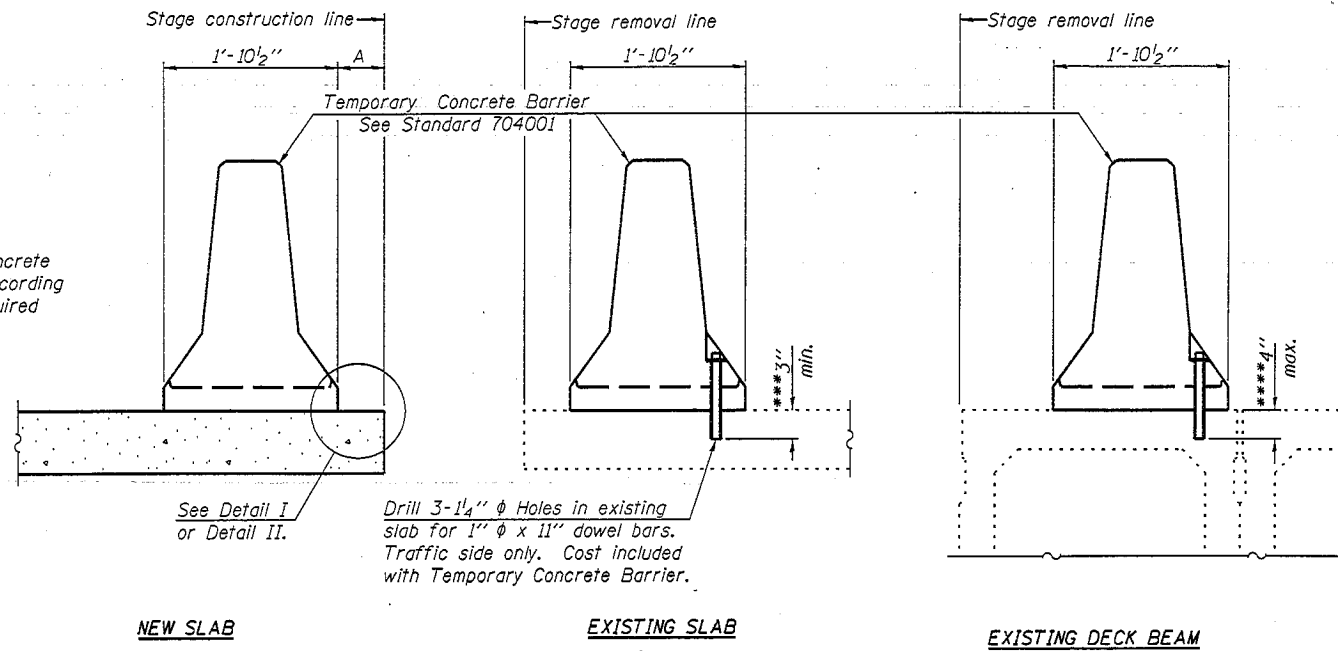
USER NAME = brianf
 DESIGNED RRD
 CHECKED SAJ
 PLOT SCALE =
 PLOT DATE = 10/1/2012
 DRAWN BJJ
 CHECKED RRD

STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

STAGE CONSTRUCTION AND TEMPORARY SHEET PILING
 STRUCTURE NO. 081-2038
 SHEET NO. 2 OF 7 SHEETS

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
308	110T	ROCK ISLAND	51	29
CONTRACT NO. 64925				
ILLINOIS FED. AID PROJECT				

When "A" is 3'-6" or less, the temporary concrete barrier shall be anchored to the new slab according to Detail I or Detail II. No anchorage is required when "A" is greater than 3'-6".



SECTIONS THRU SLAB OR DECK BEAM

NOTES

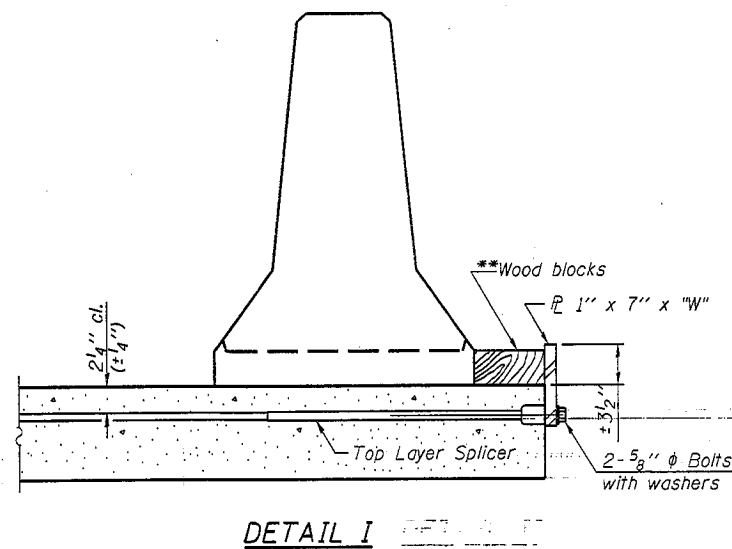
Detail I - With Bar Splicer or Couplers:
Connect one (1) 1" x 7" x "W" steel \bar{P} to the top layer of couplers with 2- $\frac{5}{8}$ " ϕ bolts screwed to coupler at approximate \bar{C} of each barrier panel.

Detail II - With Extended Reinforcement Bars:
Connect one (1) 1" x 7" x "W" steel \bar{P} to the concrete slab or concrete wearing surface with 2- $\frac{5}{8}$ " ϕ Expansion Anchors or cast in place inserts spaced between the top layer of reinforcement at approximate \bar{C} of each barrier panel.

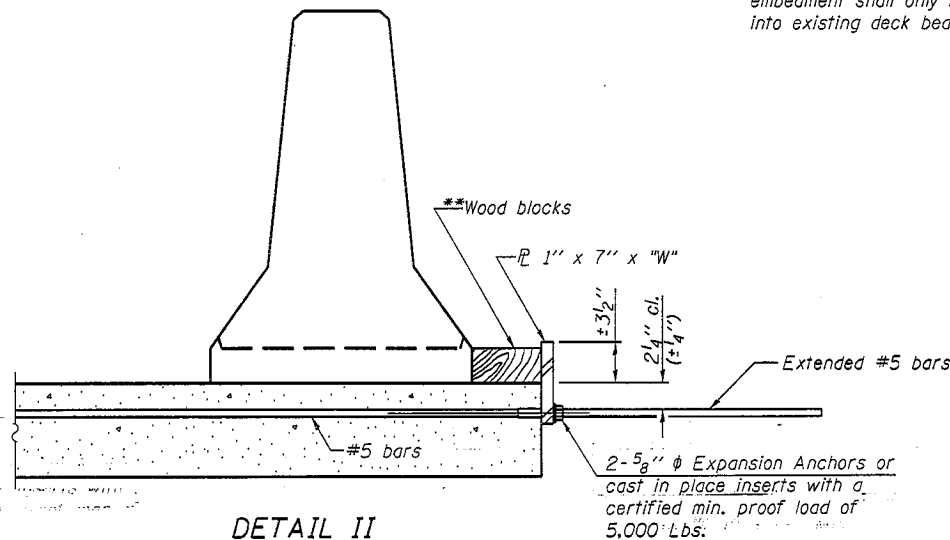
Cost of anchorage is included with Temporary Concrete Barrier. The 1" x 7" x "W" plate shall not be removed until stage II construction forms and all reinforcement bars are in place and the concrete is ready to be placed.

*** Dimension shown is minimum required embedment into concrete. If hot-mix asphalt wearing surface is present, minimum embedment shall be in addition to wearing surface depth.

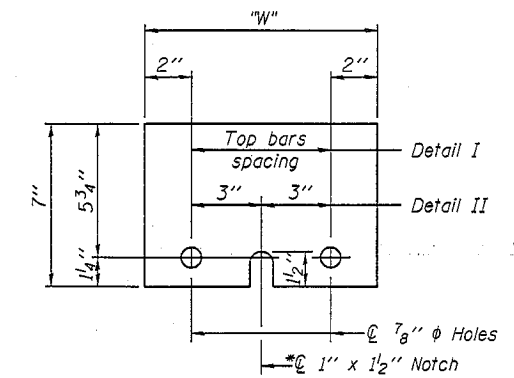
**** If existing deck beam is to remain in place after stage construction, embedment shall only be into wearing surface and not into existing deck beam concrete.



DETAIL I



DETAIL II



STEEL RETAINER \bar{P} 1" x 7" x "W"

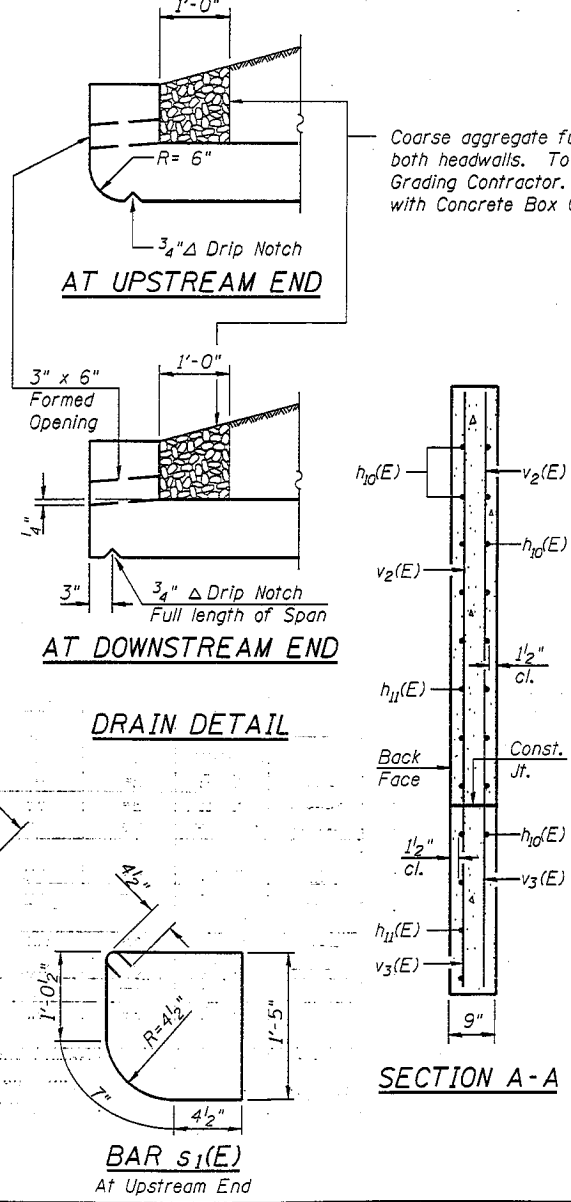
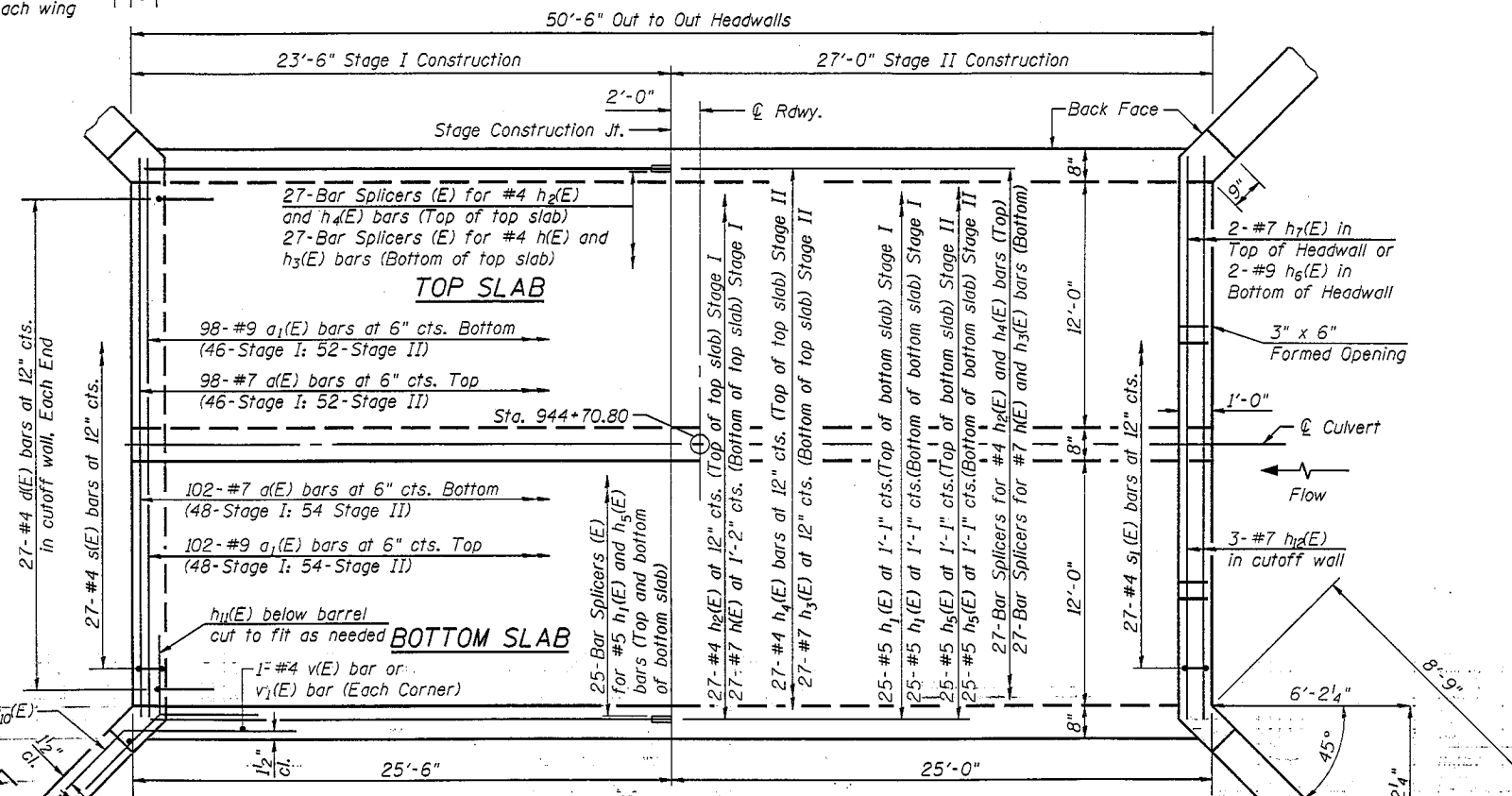
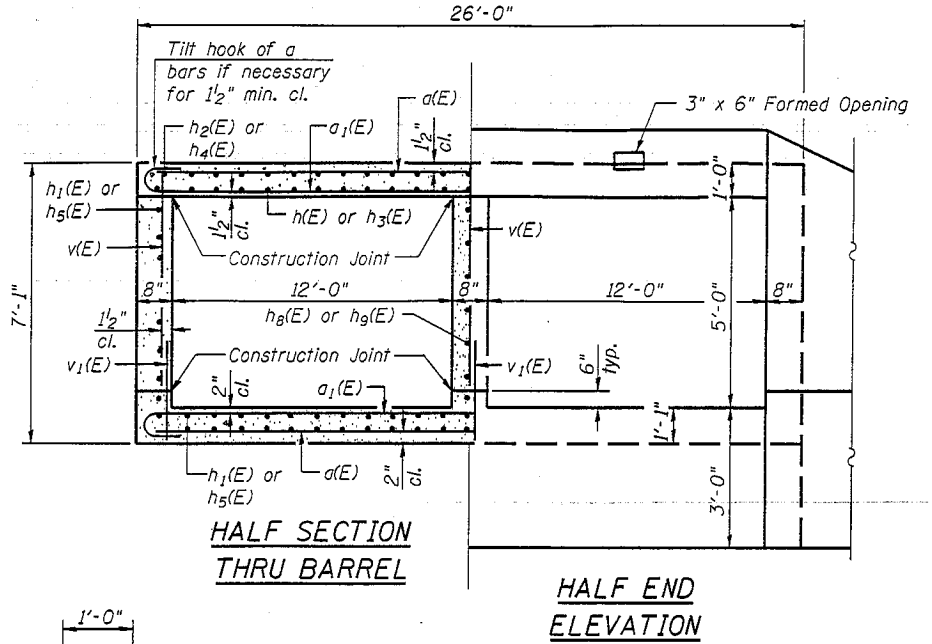
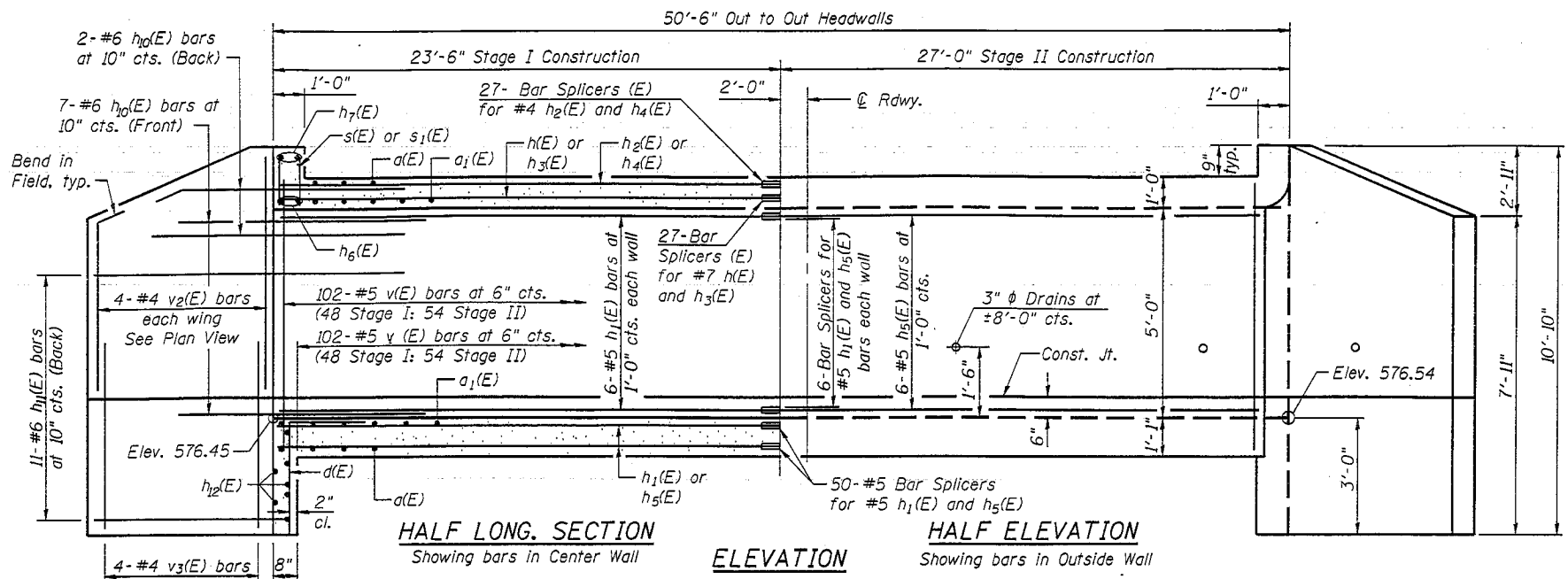
* Required only with Detail II

** Wood blocks may be omitted when required to provide minimum stage traffic lane width. When the wood blocks are omitted, the concrete barrier shall be in direct contact with the steel retainer plate.

"W" = Top bars spacing + 4"

FILE NAME = s:\p\01\6308-6399\6316\026\micro\secd\sheet\structure\0270174-64925-003-TCB.dgn

	1170 SOUTH HOUBOLT ROAD JOLIET, ILLINOIS 60431 (815) 744-4200 IDFPR NO. 184-001273	USER NAME = brianf	DESIGNED RRD	REVISOR -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	TEMPORARY CONCRETE BARRIER FOR STAGE CONSTRUCTION STRUCTURE NO. 081-2038		F.A.P. RTE. 308	SECTION 110T	COUNTY ROCK ISLAND	TOTAL SHEETS 51	SHEET NO. 30
	PLOT SCALE = PLOT DATE = 10/1/2012	CHECKED RRD DRAWN B.J.F.	REVISED - REVISED - REVISED - REVISED -	SHEET NO. 3 OF 7 SHEETS		CONTRACT NO. 64925 ILLINOIS FED. AID PROJECT						



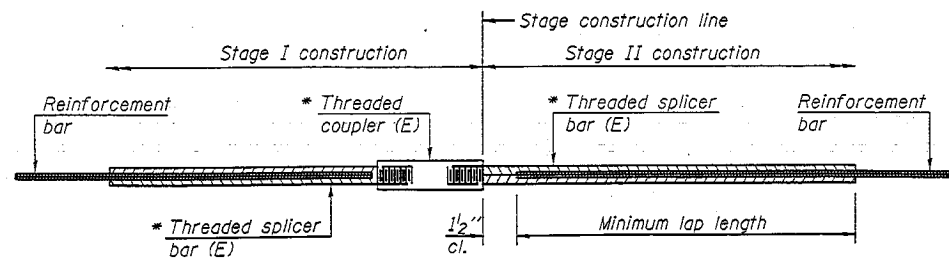
Coarse aggregate full length of both headwalls. To be placed by Grading Contractor. Cost included with Concrete Box Culverts.

Note:
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.

BILL OF MATERIAL

Bar	No.	Size	Length	Shape
$a(E)$	200	#7	25'-8"	—
$a_1(E)$	200	#9	26'-10"	—
$d(E)$	54	#4	4'-6"	L
$h(E)$	27	#7	23'-2"	—
$h_1(E)$	68	#5	23'-2"	—
$h_2(E)$	27	#4	23'-2"	—
$h_3(E)$	27	#7	26'-8"	—
$h_4(E)$	27	#4	26'-8"	—
$h_5(E)$	68	#5	26'-8"	—
$h_6(E)$	4	#9	25'-8"	—
$h_7(E)$	4	#7	25'-8"	—
$h_{10}(E)$	36	#6	8'-0"	—
$h_{11}(E)$	44	#6	11'-9"	—
$h_{12}(E)$	6	#7	25'-5"	—
$s(E)$	27	#4	5'-1"	□
$s_1(E)$	27	#4	4'-11"	□
$v(E)$	310	#5	5'-3"	—
$v_1(E)$	310	#5	4'-0"	—
$v_2(E)$	16	#4	5'-11"	—
$v_3(E)$	16	#4	7'-2"	—
Concrete Box Culverts			Cu. Yd.	134
Reinforcement Bars, Epoxy Coated			Pound	42,270

FILE NAME = S:\JUL16308-6399\A6346\026\N\Drawings\CAADD Sheets\Structural\0370774-64925-004-CTOP.dgn



STANDARD BAR SPLICER ASSEMBLY

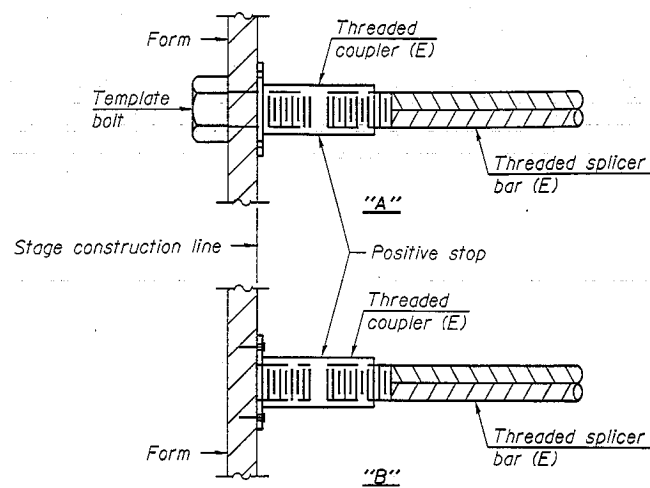
Bar size to be spliced	Minimum Lap Lengths				
	Table 1	Table 2	Table 3	Table 4	Table 5
3, 4	1'-5"	1'-11"	2'-1"	2'-4"	2'-3"
5	1'-9"	2'-5"	2'-7"	2'-11"	2'-10"
6	2'-1"	2'-11"	3'-1"	3'-6"	3'-4"
7	2'-9"	3'-10"	4'-2"	4'-8"	4'-6"
8	3'-8"	5'-1"	5'-5"	6'-2"	5'-10"
9	4'-7"	6'-5"	6'-10"	7'-9"	7'-5"

- Table 1: Black bar, 0.8 Class C
- Table 2: Black bar, Top bar lap, 0.8 Class C
- Table 3: Epoxy bar, 0.8 Class C
- Table 4: Epoxy bar, Top bar lap, 0.8 Class C
- Table 5: Epoxy bar, Top bar lap, Class B

Threaded splicer bar length = min. lap length + 1/2" + thread length

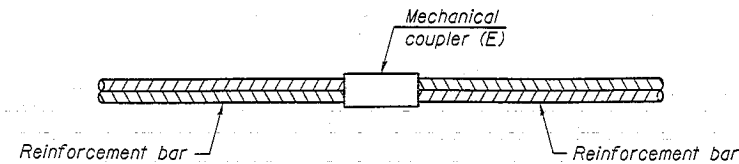
* Epoxy not required on Bar Splicer Assembly components used in conjunction with black bars.

Location	Bar size	No. assemblies required	Table for minimum lap length
Culvert Walls	#5	18	2'-7"
Top Slab	#4	27	2'-4"
Top Slab	#7	27	4'-8"
Bottom Slab	#5	50	2'-7"



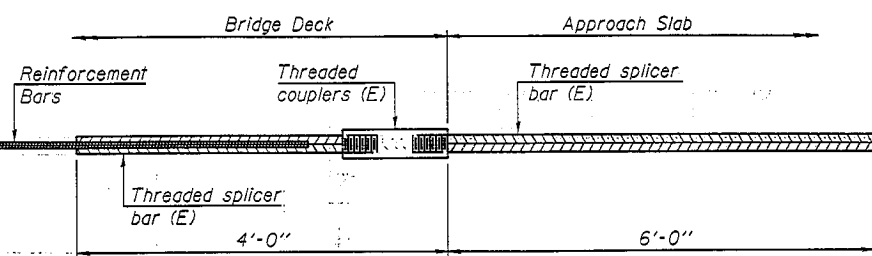
INSTALLATION AND SETTING METHODS

"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.



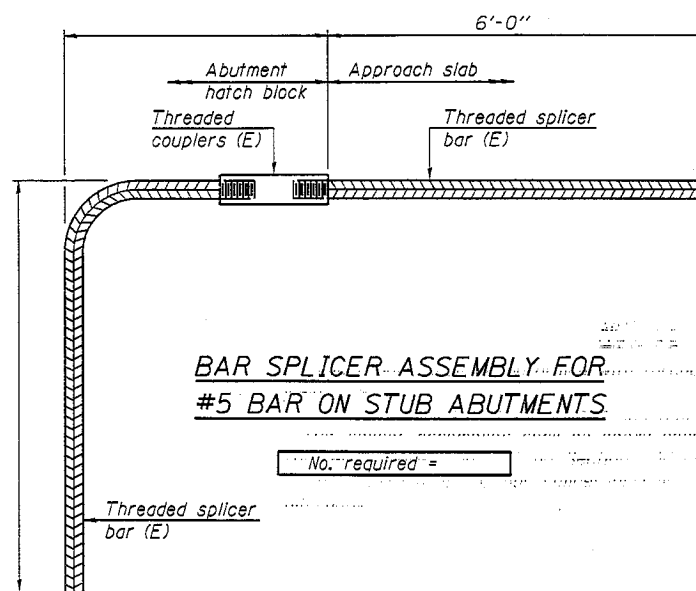
STANDARD MECHANICAL SPLICER

Location	Bar size	No. assemblies required



BAR SPLICER ASSEMBLY FOR #5 BAR ON INTEGRAL OR SEMI-INTEGRAL ABUTMENTS

No. required =



BAR SPLICER ASSEMBLY FOR #5 BAR ON STUB ABUTMENTS

No. required =

NOTES

Splicer bars shall be deformed with threaded ends and have a minimum 60 ksi yield strength.
 All reinforcement shall be lapped and tied to the splicer bars.
 Bar splicer assemblies shall be epoxy coated according to the requirements for reinforcement bars. See Section 508 of the Standard Specifications.
 See approved list of bar splicer assemblies and mechanical splicers for alternatives.

FILE NAME = s:\p\15300-ESPP\634628\misc\code sheets\structure\037074-64925-0085-SPLICE.dgn



Illinois Department of Transportation
Division of Highways
IDOT

SOIL BORING LOG

Page 1 of 2

Date 3/15/04

ROUTE FAP 308 DESCRIPTION P92-076-03 Culvert on IL 84, 0.2 m. S. of 157th Avenue north in Cordova LOGGED BY C. Jenkins

SECTION 109BR-3 & 110T LOCATION Cordova Twp. - SW, SEC. 31, TWP. 19N, RNG. 1E

COUNTY Rock Island DRILLING METHOD Hollow Stem Auger HAMMER TYPE CME-45 Automatic

STRUCT. NO.	DEPTH	BULGE	UCS	M O I S T	Surface Water Elev.	DEPTH	BULGE	UCS	M O I S T
Station	H S	S	Qu	T	ft	H S	S	Qu	T
BORING NO.	(ft)	(/6")	(tsf)	(%)	ft	(ft)	(/6")	(tsf)	(%)
2569+86					None				
B-1b									
2570+05					82.5				
14.00 ft RL CL					Wash				
99.5									
MEDIUM dirty brown SAND					VERY LOOSE tan fine SAND (continued)				
						79.50			
LOOSE brown SAND	97.50				Same as above				
		3							
		2							
		3				75.00			
MEDIUM black SANDY LOAM					Same as above				
		2	0.6	28					
		2							
	93.50					73.50			
VERY STIFF reddish-brown CLAY					LOOSE tan fine SAND				
		4							
		5	2.1	32					
		7				71.00			
LOOSE brown fine grained SAND					3/22/04 Wash				
		4			VERY LOOSE tan fine grained SAND				
		3							
	88.50					68.50			
LOOSE red/brown fine SAND					Wash				
		3			Same as above				
		3							
	86.00					86.00			
Same as above					Wash				
		2			MEDIUM tan fine grained SAND				
		2							
	85.50					63.50			
VERY LOOSE tan medium grained SAND					Wash				
		1			Same as above				
		1							
	81.00					81.00			
VERY LOOSE tan fine SAND									

The Unconfined Compressive Strength (UCS) Failure Mode is indicated by (B-Bulge, S-Shear, P-Penetrometer).
The SPT (N value) is the sum of the last two blow values in each sampling zone (AASHTO T206)
BBS, from 137 (Rev. 8-99)



Illinois Department of Transportation
Division of Highways
IDOT

SOIL BORING LOG

Page 2 of 2

Date 3/15/04

ROUTE FAP 308 DESCRIPTION P92-076-03 Culvert on IL 84, 0.2 m. S. of 157th Avenue north in Cordova LOGGED BY C. Jenkins

SECTION 109BR-3 & 110T LOCATION Cordova Twp. - SW, SEC. 31, TWP. 19N, RNG. 1E

COUNTY Rock Island DRILLING METHOD Hollow Stem Auger HAMMER TYPE CME-45 Automatic

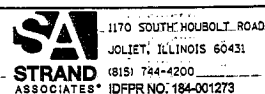
STRUCT. NO.	DEPTH	BULGE	UCS	M O I S T	Surface Water Elev.	DEPTH	BULGE	UCS	M O I S T
Station	H S	S	Qu	T	ft	H S	S	Qu	T
BORING NO.	(ft)	(/6")	(tsf)	(%)	ft	(ft)	(/6")	(tsf)	(%)
2569+86					None				
B-1b									
2570+05					82.5				
14.00 ft RL CL					Wash				
99.5									
Wash					MEDIUM tan fine grained SAND (continued)				
						58.50			
Wash					Same as above				
						56.00			
End of Boring									

The Unconfined Compressive Strength (UCS) Failure Mode is indicated by (B-Bulge, S-Shear, P-Penetrometer).
The SPT (N value) is the sum of the last two blow values in each sampling zone (AASHTO T206)
BBS, from 137 (Rev. 8-99)

Note:
In the above logs, groundwater elevations are at the time the boring was taken.

Soil Boring Log Station and Elevation Shift
Boring Log Station + 157,515.20' = Plan Set Station
Boring Log Elevation + 484.54' = Plan Set Elevation

FILE NAME = s:\p162008-0399\6346\025\micro\cadd_sheets\structural\037074-64925-006-SBL.dgn



USER NAME = brienf	DESIGNED <u>RRD</u>	REVISED -
CHECKED <u>AJS</u>	REVISIONS	REVISED -
PLOT SCALE =	DRAWN <u>BJF</u>	REVISED -
PLOT DATE = 10/1/2012	CHECKED <u>RRD</u>	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SOIL BORING LOG (1 OF 2)
STRUCTURE NO. 081-2038

SHEET NO. 6 OF 7 SHEETS

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
308	110T	ROCK ISLAND	51	33
CONTRACT NO. 64925			ILLINOIS FED. AID PROJECT	



Illinois Department of Transportation
Division of Highways
DOT

SOIL BORING LOG

Page 1 of 2

Date 3/22/04

ROUTE FAP 308 DESCRIPTION P92-076-03 Culvert on IL 84, 0.2 m. S. of 157th Ave. N. in Cordova LOGGED BY C. Jenkins
SECTION 109BR-3 & 110T LOCATION Cordova Twp. - SW. SEC. 31, TWP. 19N. RNG. 1E
COUNTY Rock Island DRILLING METHOD Hollow Stem Auger HAMMER TYPE CME-45 Automatic

STRUCT. NO. Station	D E P T H	B L O W S	U C S Qu	M O I S T	Surface Water Elev. ft	Stream Bed Elev. ft	Groundwater Elev.: First Encounter Upon Completion After Hrs.	D E P T H	B L O W S	U C S Qu	M O I S T	Soil Description	Elev. ft
2569+65					None							MEDIUM brown SANDY LOAM	97.60
				15								VERY LOOSE tan very fine SAND	76.10
B-2b 2569+60							84.6					SOFT brown SANDY LOAM	95.60
		4	0.4	17								Same as above	75.60
		3	S									STIFF black SILTY LOAM with a SAND lens	93.16
		3	1.1	29								Same as above	73.10
		2	P									Same as above	90.10
		2	1.2	32								LOOSE tan fine SAND	70.60
		2	P									VERY LOOSE brown fine grained dirty SAND	88.10
		1										Begin Wash	68.10
		1										VERY LOOSE tan fine SAND	68.10
		2										LOOSE brown fine grained SAND	85.60
		2										Wash	65.60
		4										LOOSE tan fine grained SAND	65.60
		1										VERY LOOSE tan fine SAND	83.10
		1										Wash	63.10
		1										Same as above	63.10
		1										Wash	60.60
		1										Same as above	60.60
		3										Wash	60.60
		3										Same as above	60.60

The Unconfined Compressive Strength (UCS) Failure Mode is indicated by (B-Bulge, S-Shear, P-Penetrometer)
The SPT (N value) is the sum of the last two blow values in each sampling zone (AASHTO T206)

BBS, from 137 (Rev. 8-99)

Note: In the above logs, groundwater elevations are at the time the boring was taken.



Illinois Department of Transportation
Division of Highways
DOT

SOIL BORING LOG

Page 2 of 2

Date 3/22/04

ROUTE FAP 308 DESCRIPTION P92-076-03 Culvert on IL 84, 0.2 m. S. of 157th Ave. N. in Cordova LOGGED BY C. Jenkins
SECTION 109BR-3 & 110T LOCATION Cordova Twp. - SW. SEC. 31, TWP. 19N. RNG. 1E
COUNTY Rock Island DRILLING METHOD Hollow Stem Auger HAMMER TYPE CME-45 Automatic

STRUCT. NO. Station	D E P T H	B L O W S	U C S Qu	M O I S T	Surface Water Elev. ft	Stream Bed Elev. ft	Groundwater Elev.: First Encounter Upon Completion After Hrs.	D E P T H	B L O W S	U C S Qu	M O I S T	Soil Description	Elev. ft
2569+66					None							Wash	
												LOOSE tan fine grained SAND	55.10
		1											
		2											
		6											
		2										Wash	
		6										MEDIUM tan fine grained SAND	55.60
		7											
												End of Boring	

The Unconfined Compressive Strength (UCS) Failure Mode is indicated by (B-Bulge, S-Shear, P-Penetrometer)
The SPT (N value) is the sum of the last two blow values in each sampling zone (AASHTO T206)

BBS, from 137 (Rev. 8-99)

Soil Boring Log Station and Elevation Shift
Boring Log Station + 157,515.20' = Plan Set Station
Boring Log Elevation + 484.54' = Plan Set Elevation

FILE NAME = s:\p1\6208--6395\6346\025\micro\road\shasta\structural\0370174-64925-006-SBL.dgn

1170 SOUTH HOBOLT ROAD,
JOLIET, ILLINOIS 60431
(815) 744-4200
STRAND ASSOCIATES* IDPPR NO: 184-001273

USER NAME = brianf
DESIGNED RRD
CHECKED AJS
DRAWN BJF
CHECKED RRD
PLOT SCALE =
PLOT DATE = 10/1/2012

REVISED -
REVISED -
REVISED -
REVISED -

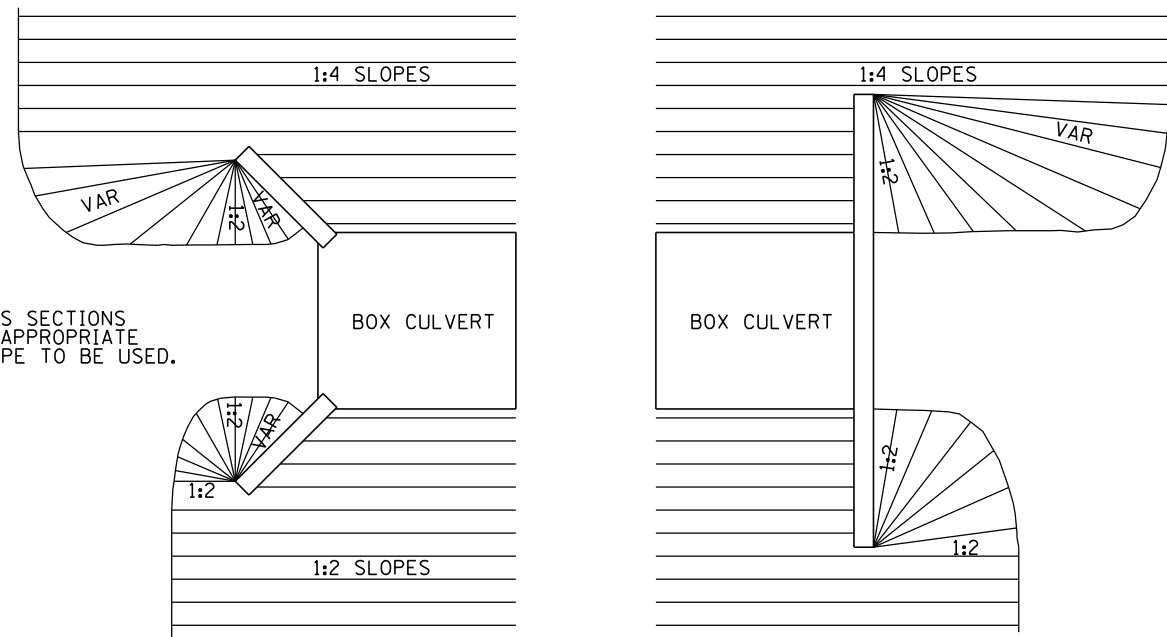
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SOIL BORING LOG (2 OF 2)
STRUCTURE NO. 081-2038

SHEET NO. 7 OF 7 SHEETS

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
308	110T	ROCK ISLAND	51	34
			CONTRACT NO. 64925	
ILLINOIS FED. AID PROJECT				

GRADING AROUND WINGWALLS

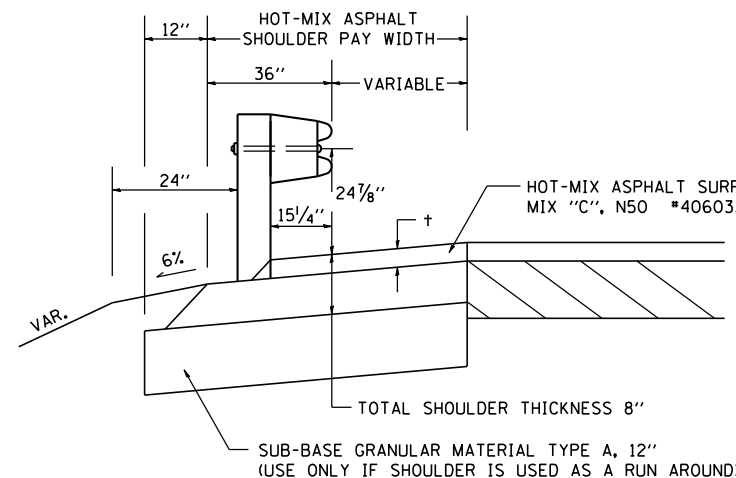


NOTES
SEE CROSS SECTIONS FOR THE APPROPRIATE FRONTSLOPE TO BE USED.

5-27-09

GRADING AROUND WINGWALLS 20.4

DETAIL OF HOT-MIX ASPHALT SHOULDER AT GUARD RAIL



+ = SEE TYPICAL SECTIONS FOR THICKNESS

GENERAL NOTES

THE TOP LIFT SHALL NOT BE PLACED BEHIND THE GUARDRAIL POSTS. WHEN PLACING THE TOP LIFT THE RAIL MUST BE REMOVED FROM THE POSTS. THE POST SHALL NOT BE REMOVED.

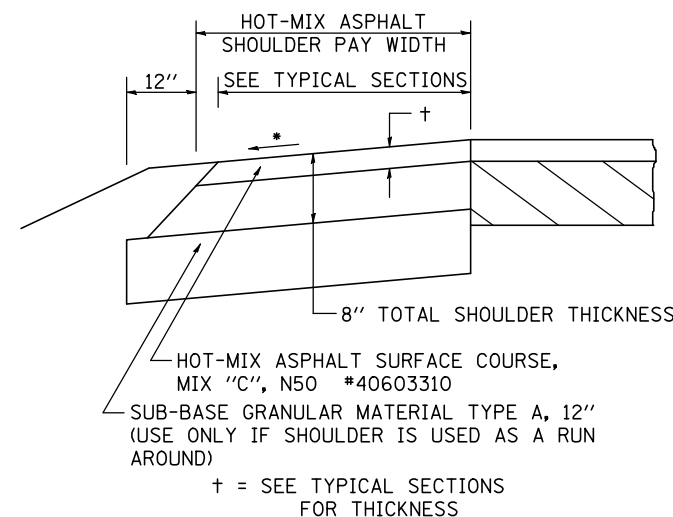
THE HEIGHT OF THE GUARD RAIL SHALL BE SET 24 7/8" FROM THE FINISHED SURFACE.

THE HOT-MIX ASPHALT SHOULDER SHALL BE CONSTRUCTED IN ACCORDANCE WITH SECTION 482 EXCEPT THE TOP LIFT SHALL BE HOT-MIX ASPHALT SURFACE COURSE, MIXTURE C, N50. THE WORK WILL BE PAID FOR AT THE CONTRACT UNIT PRICE PER TON FOR HOT-MIX ASPHALT SURFACE COURSE, MIXTURE "C", N50 AND SQUARE YARD FOR HOT-MIX ASPHALT SHOULDERS OF THE THICKNESS SPECIFIED. THE REMOVAL & REINSTALLATION OF THE GUARDRAIL WILL BE INCLUDED IN THE COST OF THE HOT-MIX ASPHALT SURFACE COURSE, MIXTURE C, N50.

REVISED - 6-06-11

DETAIL OF HOT-MIX ASPHALT SHOULDER AT GUARD RAIL 23.4

HOT-MIX ASPHALT SHOULDER



GENERAL NOTES

THE HOT-MIX ASPHALT SHOULDER SHALL BE CONSTRUCTED IN ACCORDANCE WITH SECTION 482 EXCEPT THE TOP LIFT SHALL BE HOT-MIX ASPHALT SURFACE COURSE, MIX "C", N50 *40603310. THE WORK WILL BE PAID FOR AT THE CONTRACT UNIT PRICE PER TON FOR HOT-MIX ASPHALT SURFACE COURSE, MIX "C", N50 *40603310 AND SQUARE YARD FOR HOT-MIX ASPHALT SHOULDERS OF THE THICKNESS SPECIFIED.

USE HOT-MIX ASPHALT SURFACE COURSE, MIX "C", N50 *40603310. WHEN RESURFACING EXISTING HOT-MIX ASPHALT SHOULDERS. THE THICKNESS IS SHOWN ON THE TYPICAL SECTIONS. THIS WORK WILL BE PAID FOR AT THE CONTRACT UNIT PRICE PER TON FOR HOT-MIX ASPHALT SURFACE COURSE, MIX "C", N50 *40603310.

REMOVAL OF MATERIAL FOR PLACEMENT OF THE HOT-MIX ASPHALT SHOULDER TO BE PAID FOR IN UNITS FOR EXCAVATING AND GRADING EXISTING SHOULDERS OR IN CUBIC YARDS FOR EARTH EXCAVATION OR EARTH EXCAVATION WIDENING.

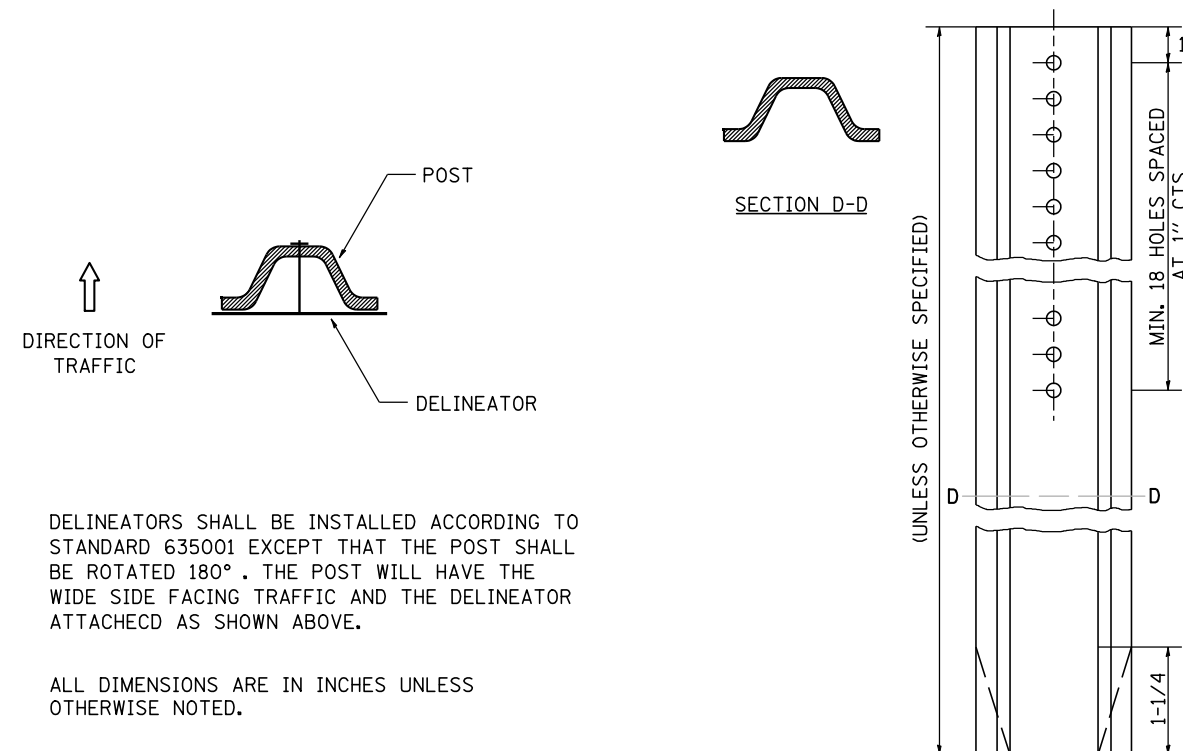
* 4% WHEN MAINLINE IS ON TANGENT. FOR CROSS SLOPE ON SUPERELEVATION SECTION, SEE HIGHWAY STANDARD 482001 OR 482006.

+ = SEE TYPICAL SECTIONS FOR THICKNESS

REVISED - 6-06-11

HOT-MIX ASPHALT SHOULDER 23.4a

DELINEATOR AND POST ORIENTATION



DIRECTION OF TRAFFIC

DELINEATORS SHALL BE INSTALLED ACCORDING TO STANDARD 635001 EXCEPT THAT THE POST SHALL BE ROTATED 180°. THE POST WILL HAVE THE WIDE SIDE FACING TRAFFIC AND THE DELINEATOR ATTACHED AS SHOWN ABOVE.

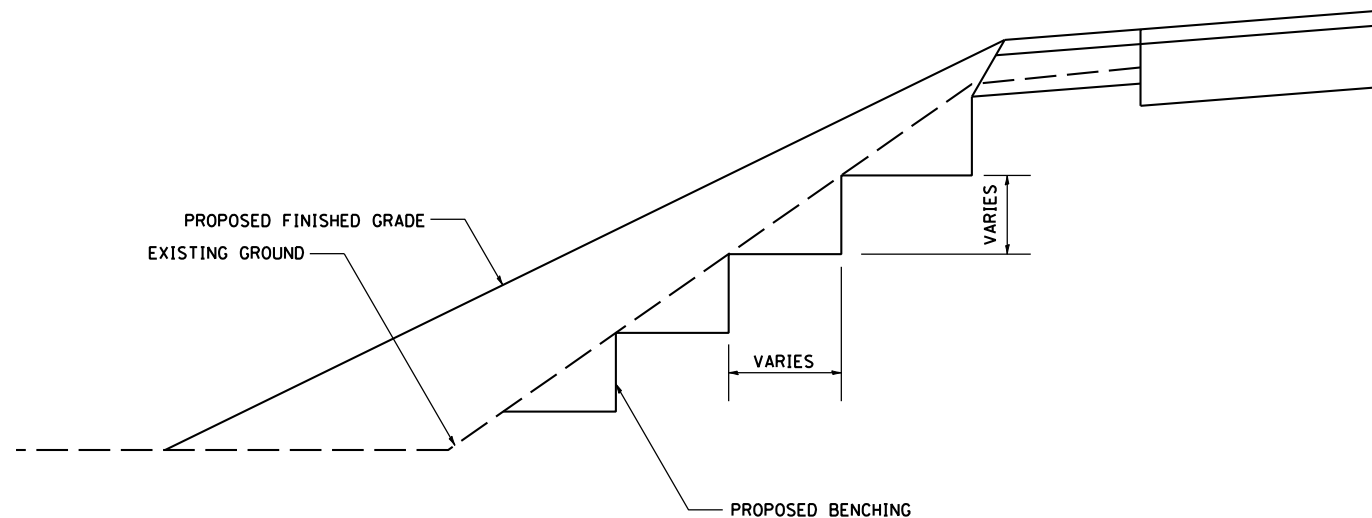
ALL DIMENSIONS ARE IN INCHES UNLESS OTHERWISE NOTED.

REVISED - 10-3-11

DELINEATOR AND POST ORIENTATION 37.4

REVISED - 3-11-09	REGION 2 / DISTRICT 2 STANDARD		F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
REVISED -	SCALE: 4.0000' / IN.	SHEET NO. OF SHEETS	308	110T	ROCK ISLAND	51	35
REVISED -	STA. TO STA.	CONTRACT NO. 64925		FED. ROAD DIST. NO. 2 (ILLINOIS) FED. AID PROJECT			
REVISED -							

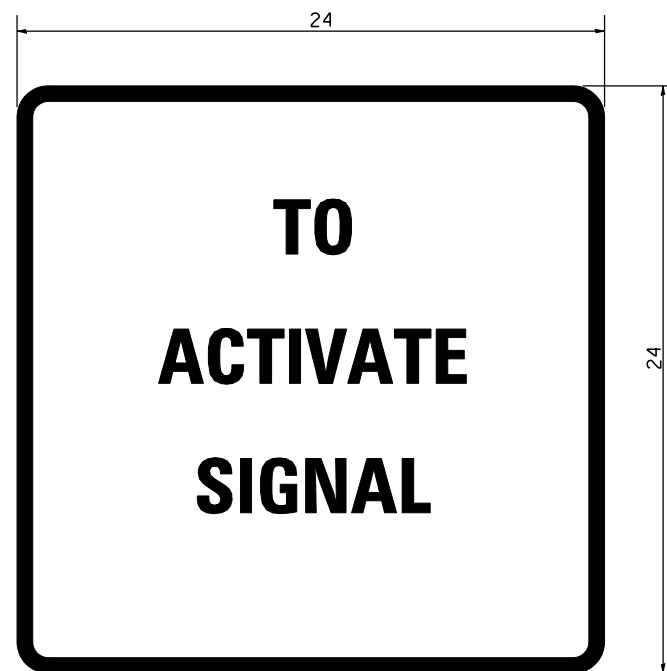
TYPICAL BENCHING ON EXISTING EMBANKMENT



REVISED - 2-22-06

TYPICAL BENCHING ON EXISTING EMBANKMENT 50.4

STOP LINE SIGN FOR TEMPORARY SIGNALS



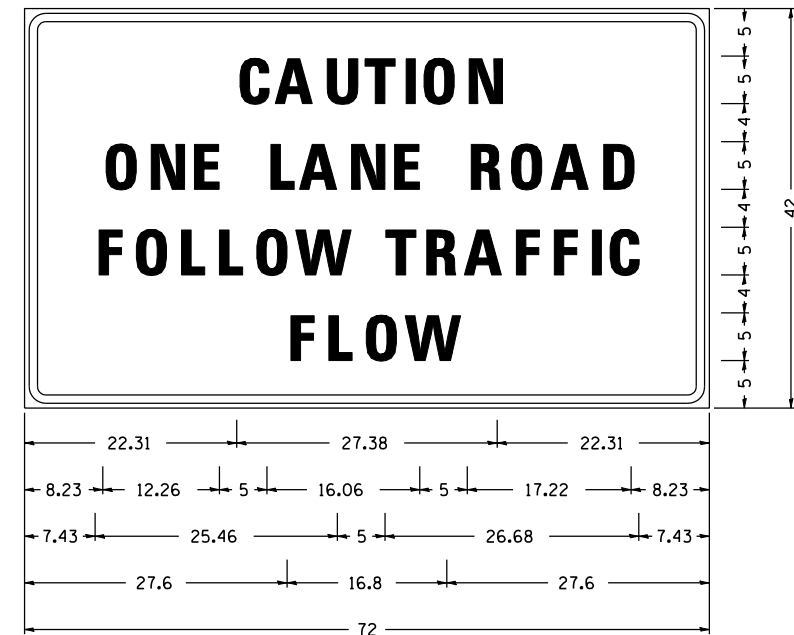
SIZE: 24 x 24
 4 CAPITAL LETTERS - BLACK
 1/2 BORDER - BLACK
 WHITE REFLECTIVE - TYPE AP
 HIGH INTENSITY PRISMATIC SHEETING

GENERAL NOTE:
 THIS SIGN SHALL BE INSTALLED AT THE STOP LINE AS DIRECTED BY ENGINEER.
 ALL DIMENSIONS ARE IN INCHES UNLESS OTHERWISE NOTED.

REVISED - 10-11-11

STOP LINE SIGN FOR TEMPORARY SIGNALS 99.4

ENTRANCE SIGN FOR USE WITH TEMPORARY SIGNALS



Type AA Fluorescent Orange Sheeting ;
 2.25" Radius, 0.88" Border, 0.50" Indent, Black on Orange;
 [CAUTION] D; [ONE LANE ROAD] D;
 [FOLLOW TRAFFIC] D; [FLOW] D

Table Of Widths And Spaces

22.31	C	3.36	0.62	A	4.18	0.94	U	3.36	0.94	T	3.04	0.94	I	0.78	1.17	O	3.52	1.17	N	3.36	22.31
8.23	O	3.51	1.17	N	3.36	1.18	E														
	L	3.05	0.31	A	4.18	0.94	N	3.36	1.17	E											
	R	3.36	0.93	O	3.52	0.94	A	4.18	0.93	D	8.23										
7.43	F	3.04	0.94	O	3.52	1.17	L	3.04	0.94	L	3.05	0.94	O	3.51	0.94	W					
	T	3.05	0.94	R	3.36	0.94	A	4.18	0.93	F	3.05	0.94	F	3.04	0.94	I	0.78	1.18	C	3.35	7.43
27.60	F	3.05	0.94	L	3.04	0.94	O	3.52	0.93	W	4.38	27.60									

GENERAL NOTES

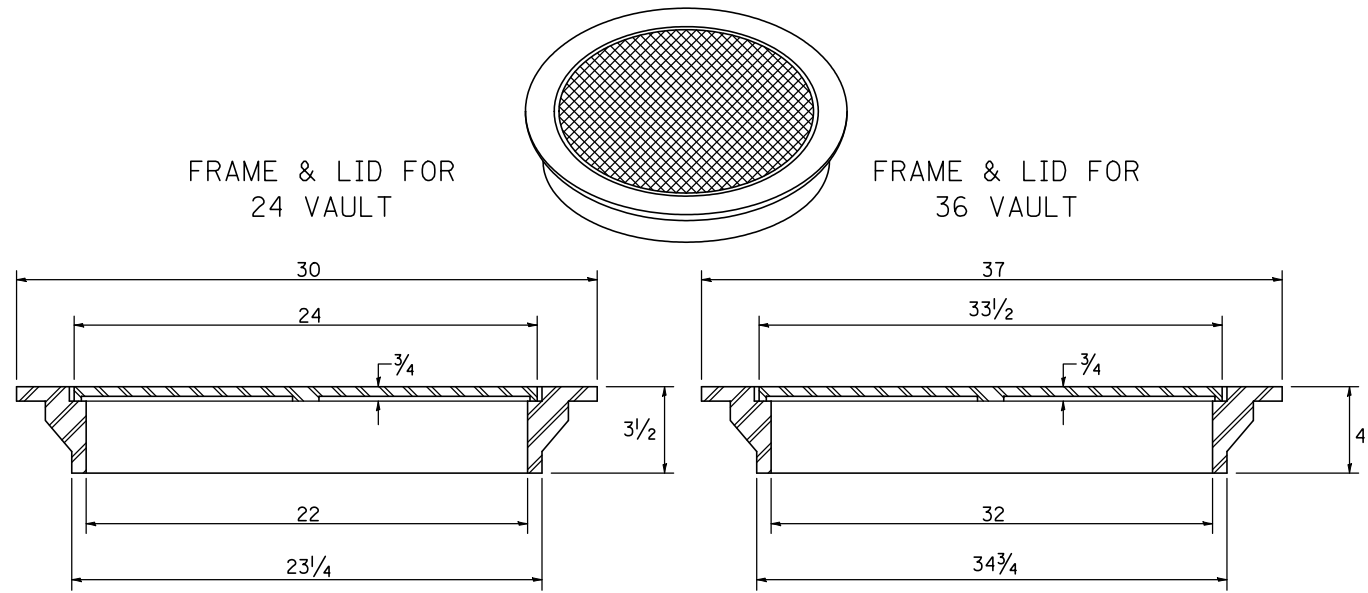
THIS SIGN SHALL BE INSTALLED AT ENTRANCES LOCATED BETWEEN THE TEMPORARY SIGNALS AS DIRECTED BY THE ENGINEER.
 ALL DIMENSIONS ARE IN INCHES UNLESS OTHERWISE NOTED.
 THE COST TO FURNISH, INSTALL AND REMOVE THIS SIGN AT THE REQUIRED LOCATIONS SHALL BE INCLUDED IN THE COST OF TRAFFIC CONTROL AND PROTECTION STANDARD 701321.

ALL DIMENSIONS ARE IN INCHES UNLESS OTHERWISE NOTED.

ENTRANCE SIGN FOR USE WITH TEMPORARY SIGNALS 75.2

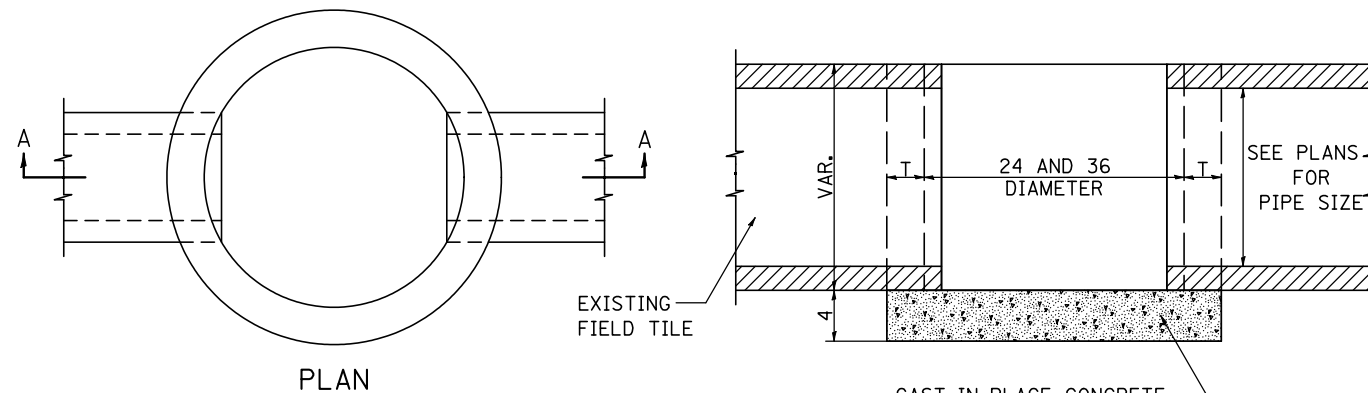
REVISED -	REGION 2 / DISTRICT 2 STANDARD				F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
REVISED -	SCALE: 4.0000' / IN.	SHEET NO.	OF SHEETS	STA.	TO STA.	308	110T	ROCK ISLAND	51 36
REVISED -					CONTRACT NO. 64925				
REVISED -					FED. ROAD DIST. NO. 2 ILLINOIS FED. AID PROJECT				

FIELD TILE JUNCTION VAULTS 24 AND 36 DIA.



TOTAL WEIGHT: 146 LBS.

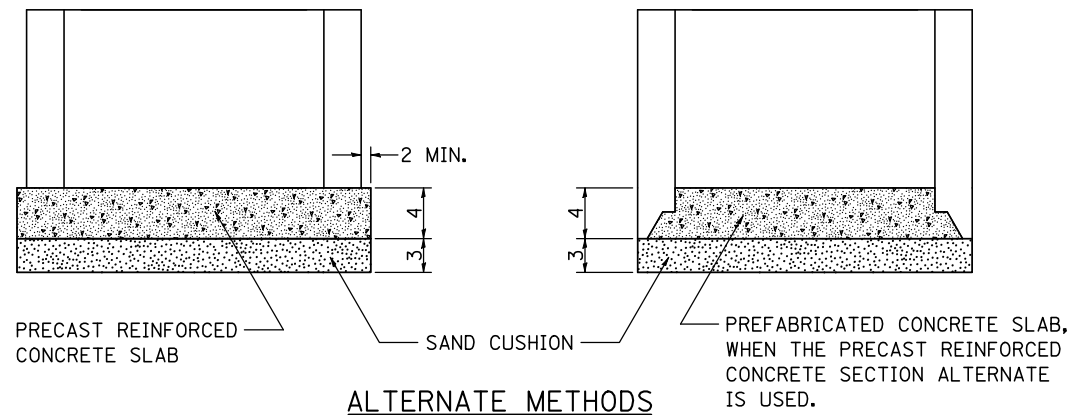
TOTAL WEIGHT: 280 LBS.



ALTERNATE MATERIALS FOR WALLS	T
BRICK MASONRY	8
CAST-IN-PLACE CONCRETE	6
CONCRETE MASONRY UNIT	5
PRECAST REINFORCED CONCRETE SECTION	3

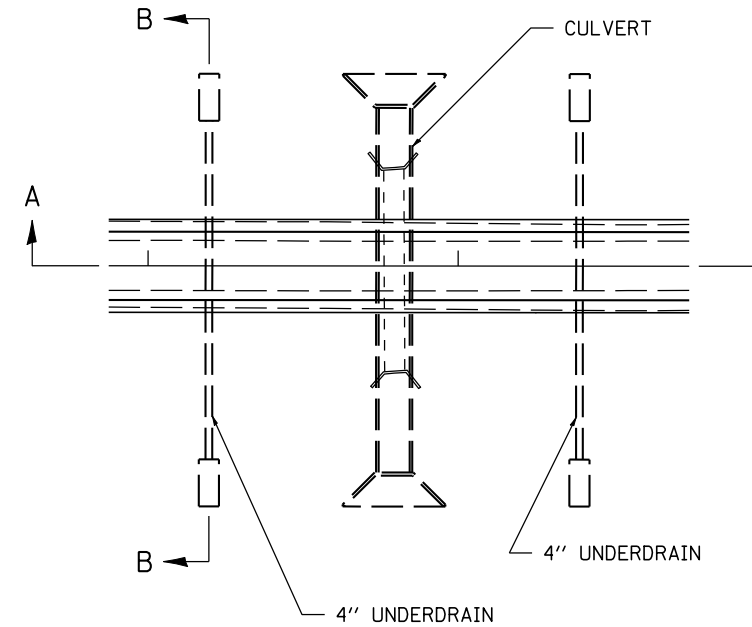
NOTE: THE FRAME AND LID IS REQUIRED ON ALL JUNCTION VAULTS.

ALL DIMENSIONS ARE IN INCHES UNLESS OTHERWISE NOTED.



REVISED - 10-14-11

UNDERDRAIN FOR ACROSS ROAD (AR) CULVERTS



NOTES:

IN SAG CONDITIONS INSTAL PIPE UNDERDRAINS ON BOTH SIDES OF CULVERT.

ON HIGHWAY GRADES GREATER THAN 2% INSTALL PIPE UNDERDRAINS ON THE HIGH SIDE OF THE CULVERT.

THIS WORK SHALL BE COMPLETED ACCORDING TO SECTION 601 OF THE STANDARD SPECIFICATION.

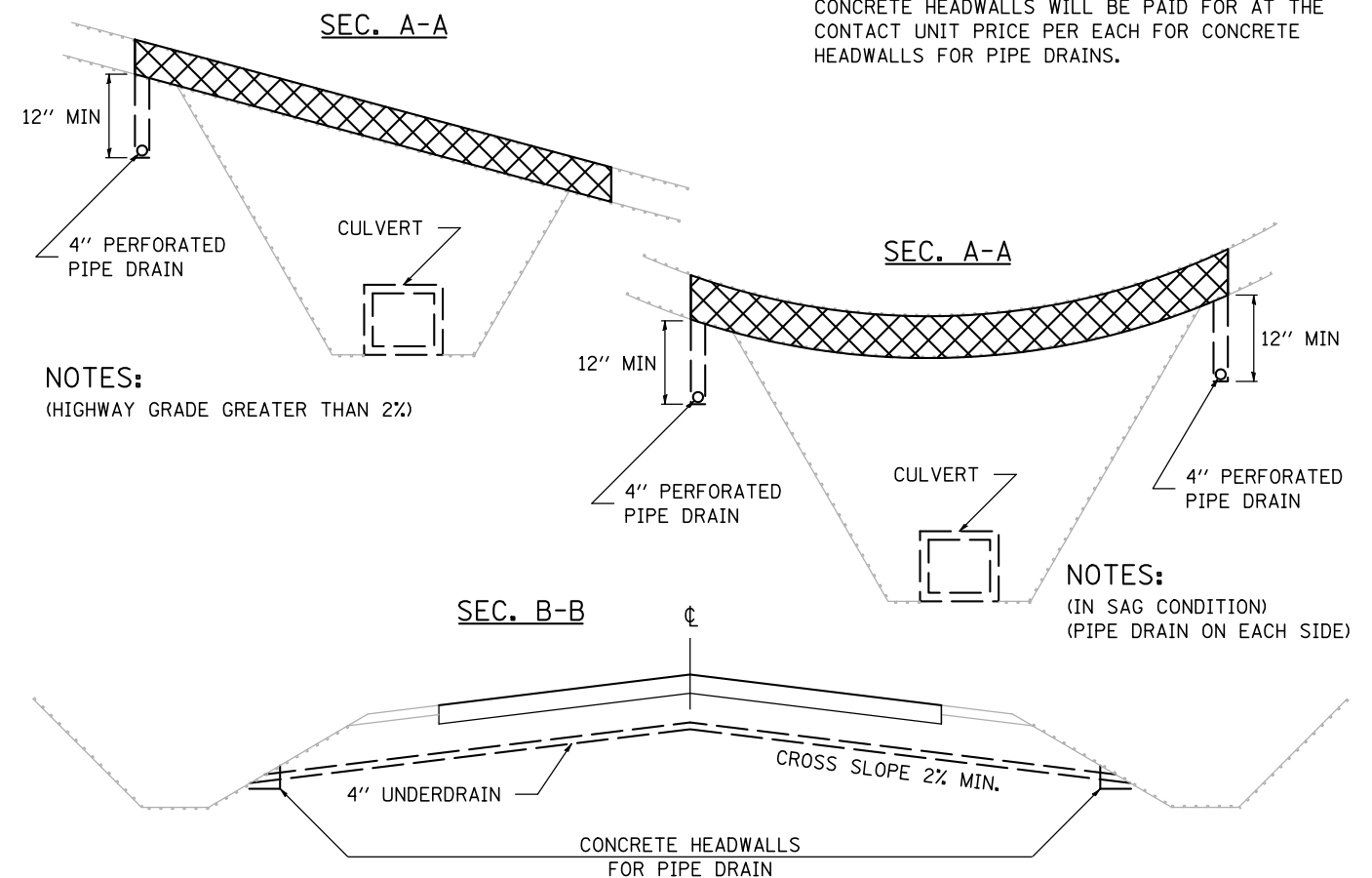
THE UNDERDRAIN SHALL EXTEND UNTIL INTERSECTING WITH THE SIDE SLOPES. THE PIPES SHALL DRAIN INTO CONCRETE HEADWALLS. (SEE ARTICLE 601.05 OF THE STANDARD SPECIFICATIONS AND HIGHWAY STANDARDS 601101).

THE UNDERDRAIN SHALL BE A MINIMUM OF 12" BELOW THE EXISTING PAVEMENT.

THE TRENCH FOR THE UNDERDRAIN SHALL BE BACKFILLED WITH CA7 OR CA16.

PIPE UNDERDRAINS WILL BE PAID FOR AT THE CONTRACT UNITPRICE PER FOOT FOR PIPE UNDERDRAINS 4".

CONCRETE HEADWALLS WILL BE PAID FOR AT THE CONTACT UNIT PRICE PER EACH FOR CONCRETE HEADWALLS FOR PIPE DRAINS.



NOTES:

(HIGHWAY GRADE GREATER THAN 2%)

NOTES:

(IN SAG CONDITION)
(PIPE DRAIN ON EACH SIDE)

REVISED - 6-24-10

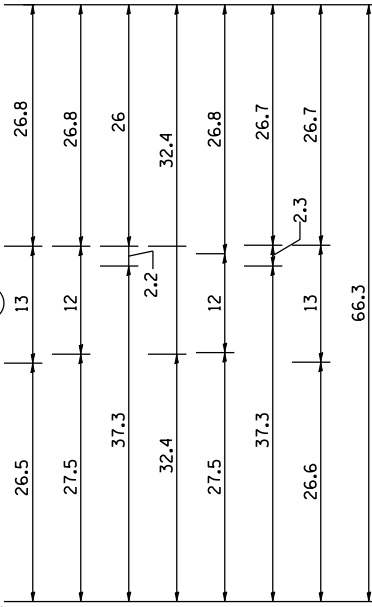
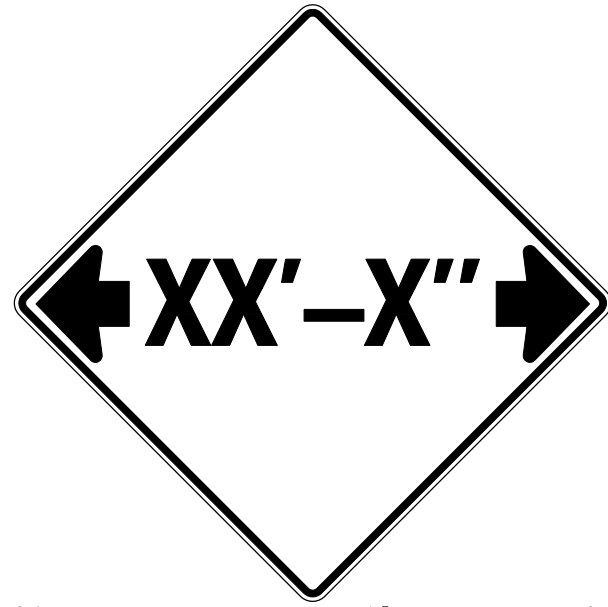
UNDERDRAIN FOR ACROSS ROAD (AR) CULVERTS

37.2

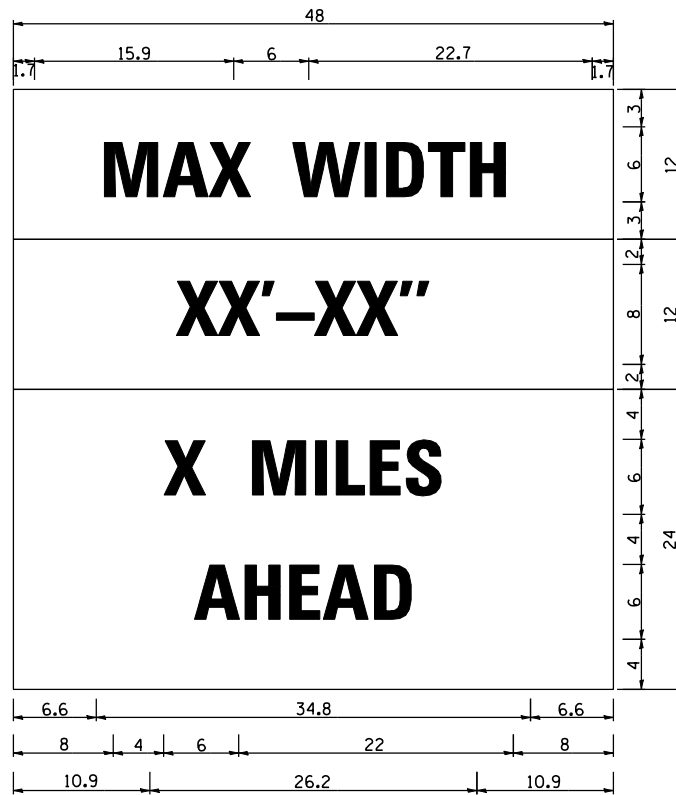
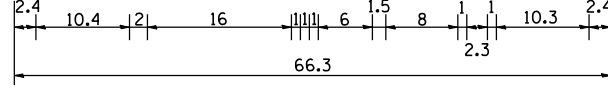
REVISED	SCALE: 4.0000' / IN.	SHEET NO.	OF	SHEETS	STA.	TO	STA.	F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
REVISED - 10-14-11								308	110T	ROCK ISLAND	51	37
REVISED -								CONTRACT NO. 64925				
REVISED -								FED. ROAD DIST. NO. 2 (ILLINOIS) FED. AID PROJECT				

PLOT DATE = 8/8/2012

INFORMATIONAL WARNING SIGN (FOR NARROW TRAVEL LANES)



NOTES
 W12-2 - Horizontal Clearance Sign
 48.0" across sides, 1.9" Radius,
 0.8" Border, 0.5" Indent, Black on
 Orange; Standard Arrow Custom
 10.4" X 8.1" 180° Black 11 Inch
 D Series Lettering; Standard Arrow
 Custom 10.4" X 8.1" 0°



W12-1103 (Width is 8D);
 No border, Black on White;
 [MAX WIDTH] D;

 No border, Black on Orange;
 [XX'-XX'''] D;

 No border, Black on White;
 [X MILES] D; [AHEAD] D;

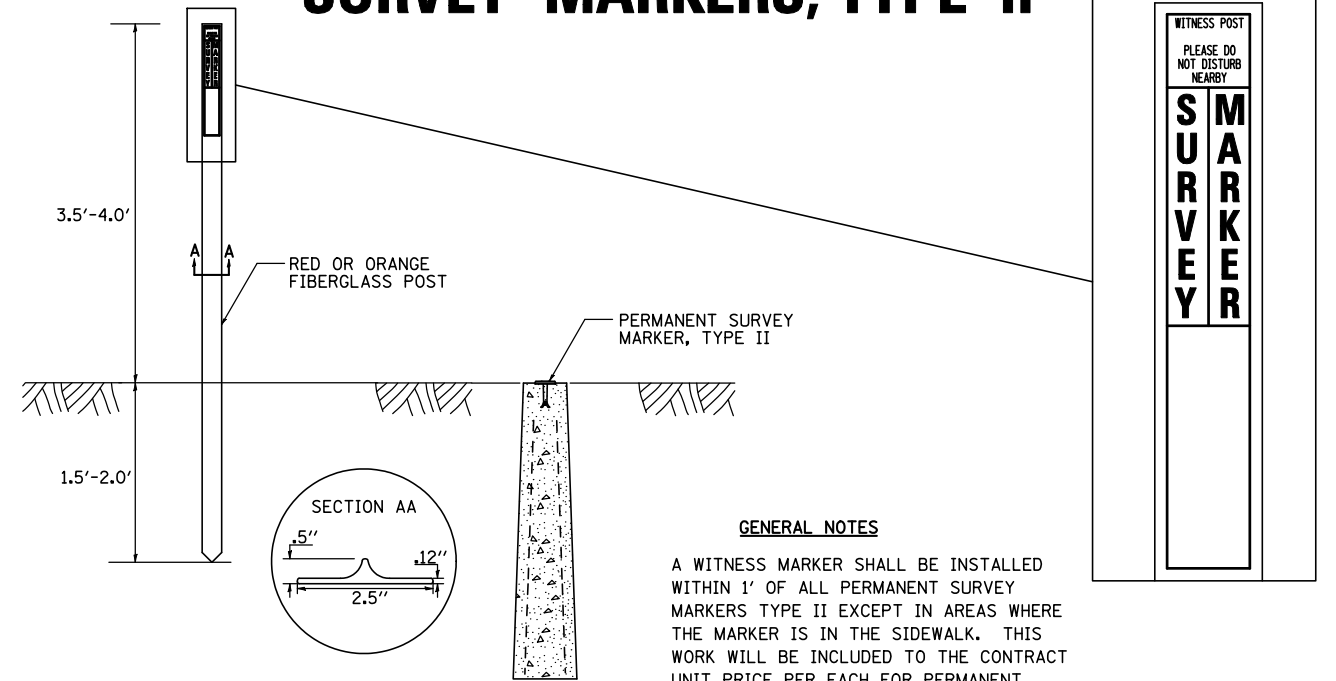
All work to furnish and install these signs shall be included in the cost of the Traffic Control Standards and shall not be paid for separately.

ALL DIMENSIONS ARE IN INCHES UNLESS OTHERWISE NOTED.

REVISED - 5-15-09

INFORMATIONAL WARNING SIGNS (FOR NARROW TRAVEL LANES) 39.2

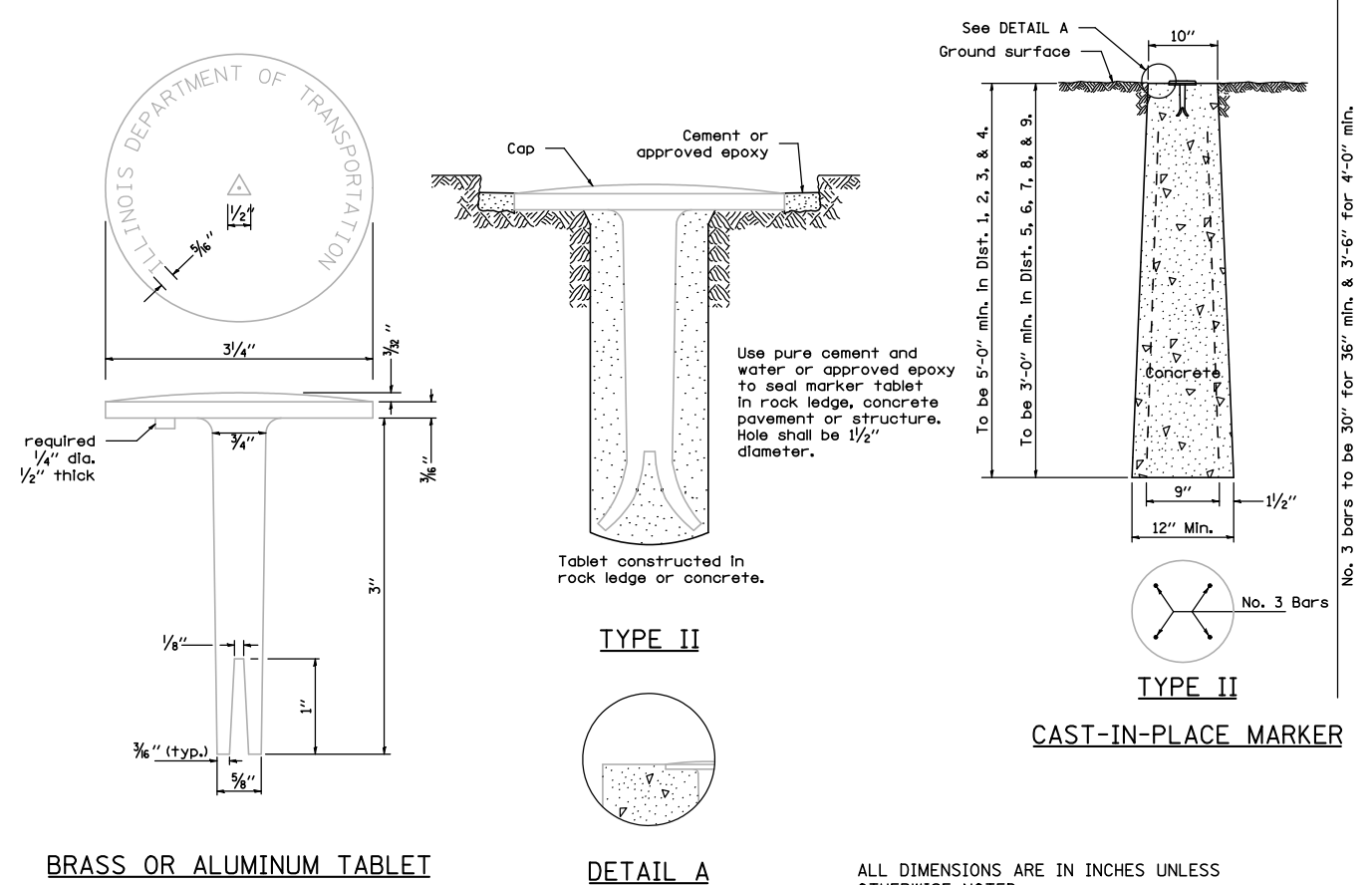
WITNESS MARKER FOR PERMANENT SURVEY MARKERS, TYPE II



GENERAL NOTES

A WITNESS MARKER SHALL BE INSTALLED WITHIN 1' OF ALL PERMANENT SURVEY MARKERS TYPE II EXCEPT IN AREAS WHERE THE MARKER IS IN THE SIDEWALK. THIS WORK WILL BE INCLUDED TO THE CONTRACT UNIT PRICE PER EACH FOR PERMANENT SURVEY MARKERS, TYPE II.

PERMANENT SURVEY MARKERS, TYPE II



BRASS OR ALUMINUM TABLET

DETAIL A

CAST-IN-PLACE MARKER

ALL DIMENSIONS ARE IN INCHES UNLESS OTHERWISE NOTED.

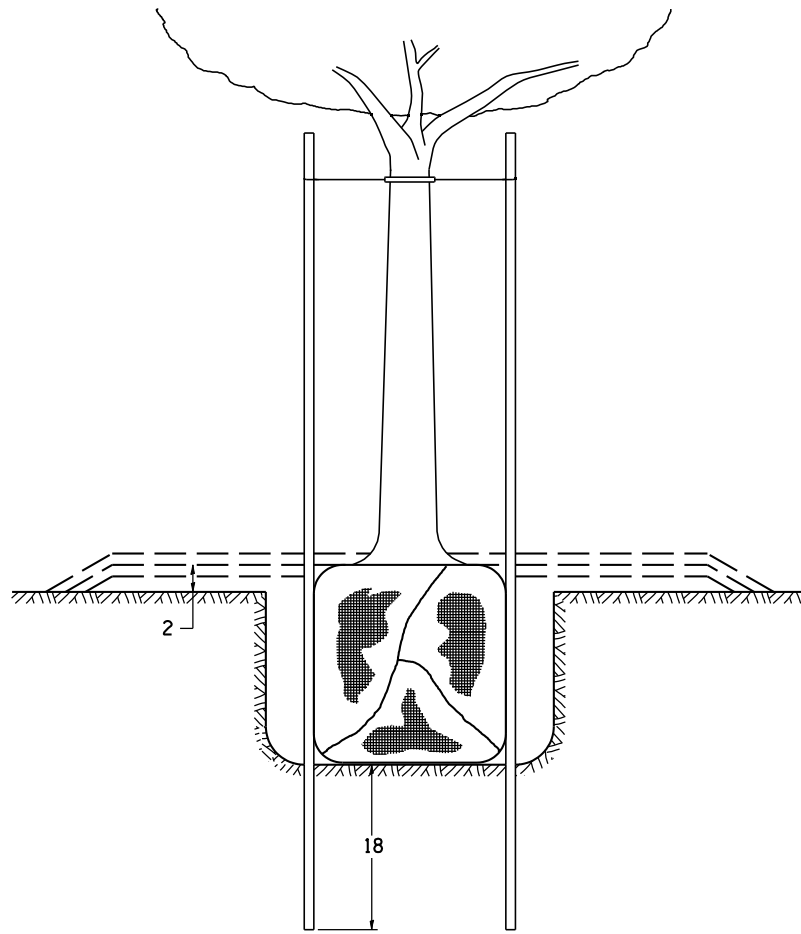
REVISED - 10-14-11

WITNESS MARKER & PERMANENT SURVEY MARKERS, TYPE II 66.2

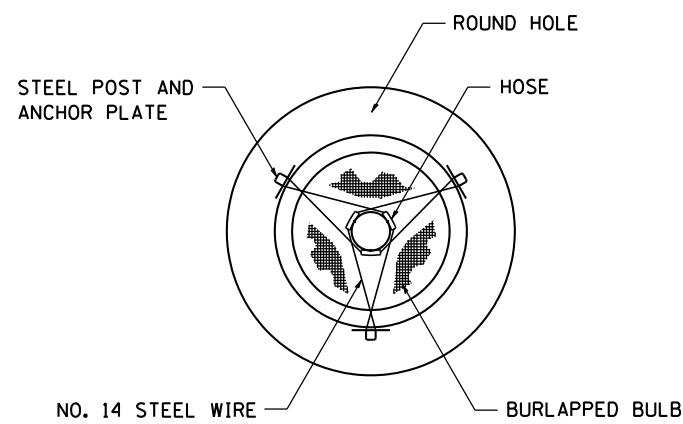
REVISED -	REGION 2 / DISTRICT 2 STANDARD			F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.		
REVISED -	SCALE: 4.0000' / IN.	SHEET NO.	OF SHEETS	STA.	TO STA.	308	110T	ROCK ISLAND	51	38
REVISED -						CONTRACT NO. 64925		FED. ROAD DIST. NO. 2 ILLINOIS FED. AID PROJECT		

PLOT DATE = 8/8/2012

DETAILS OF PLANTING AND BRACING TREES

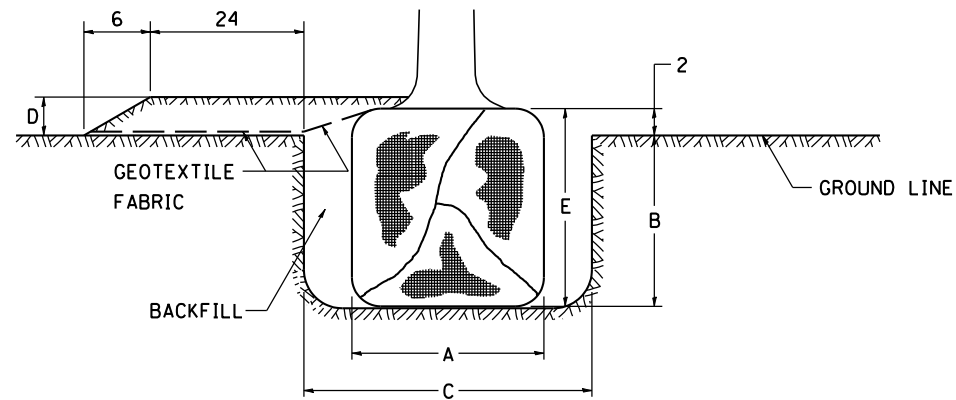


TREES SMALLER THAN 4 1/2 IN DIAMETER

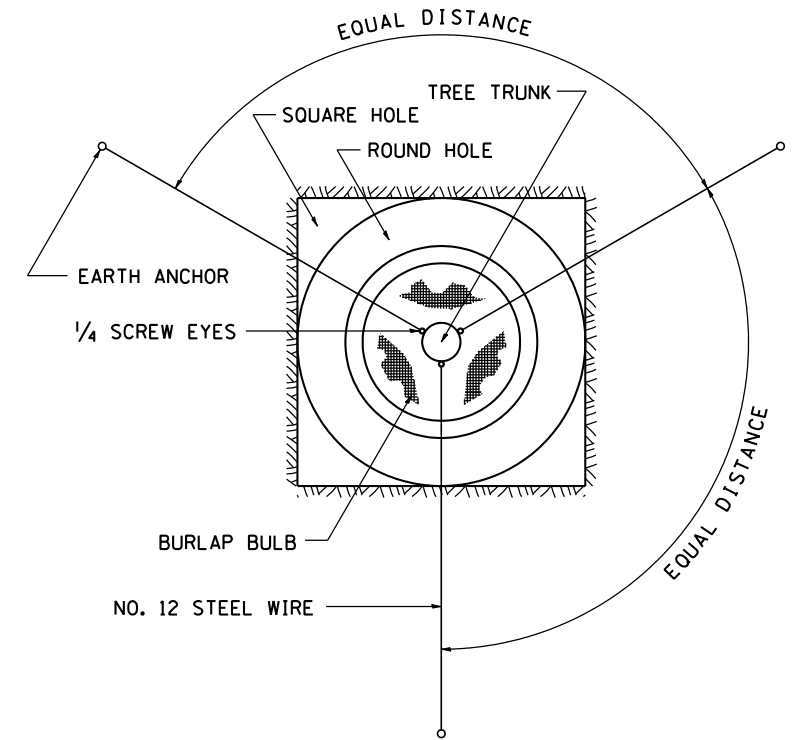
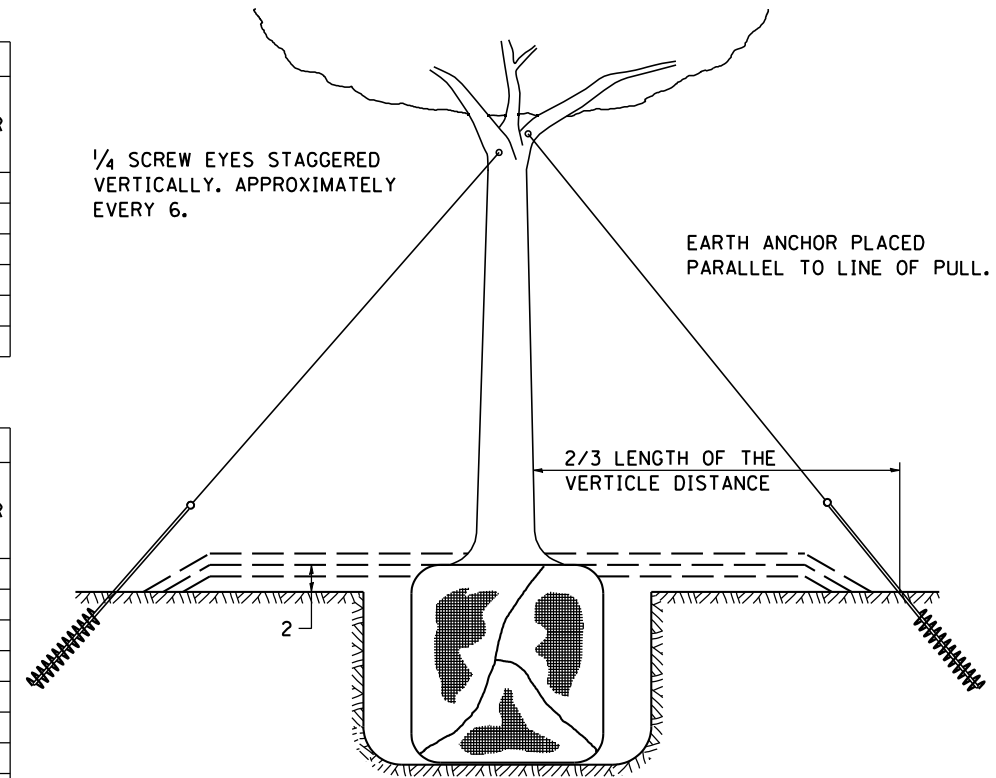


SMALL	A	B	C	D	E	F
TREE SIZE	DIAMETER OF BALL OR ROOT SYS.	DEPTH OF HOLE EXCAVATION	WIDTH OF HOLE EXCAVATION	THICKNESS OF MULCH COVER	DEPTH OF BALL OR ROOT SYS.	VOLUME OF MULCH COVER CU. YDS.
5'-6'	16	10	30	4	12	0.54
5'-6' BB	16	10	30	4	12	0.54
6'-7' BB	18	12	30	4	14	0.54
7'-8' BB	20	11	30	4	13	0.54
8'-10' BB	24	14	36	4	16	0.61
10'-12' BB	26	15	36	4	17	0.61

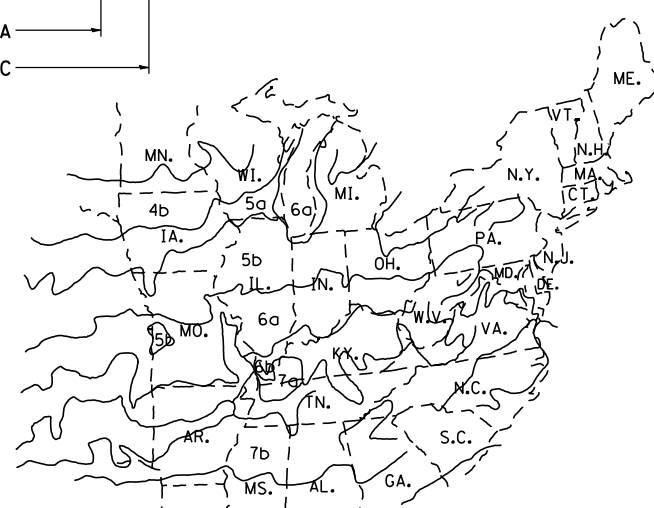
LARGE	A	B	C	D	E	F
TREE SIZE	DIAMETER OF BALL OR ROOT SYS.	DEPTH OF HOLE EXCAVATION	WIDTH OF HOLE EXCAVATION	THICKNESS OF MULCH COVER	DEPTH OF BALL OR ROOT SYS.	VOLUME OF MULCH COVER CU. YDS.
0-2	20	11	36	4	13	0.61
2-2 1/2 BB	24	14	48	4	16	0.78
2 1/2-3 BB	28	17	48	4	19	0.78
3-3 1/2 BB	32	17	60	4	19	0.96
3 1/2-4 BB	36	20	60	4	22	0.96
4-4 1/2 BB	40	22	72	4	24	1.16
4 1/2-5 BB	44	24	72	4	26	1.16
5-5 1/2 BB	48	27	84	4	29	1.38



TREES OVER 4 1/2 IN DIAMETER



ALL DIMENSIONS ARE IN INCHES UNLESS OTHERWISE NOTED.



PLANT HARDINESS ZONE MAP
U.S. DEPARTMENT OF AGRICULTURE
AGRICULTURAL RESEARCH SERVICE
PUBLICATION NO. 814

FILE NAME =	USER NAME = brianf	DESIGNED -	REVISED - 10-18-11
st:\joi\6300--6399\6346\026\micro\codd	heets\0264925-shr-districtdetails.dgn	DRAWN -	REVISED -
	PLOT SCALE = 4.0000' / IN.	CHECKED -	REVISED -
	PLOT DATE = 8/8/2012	DATE -	REVISED -

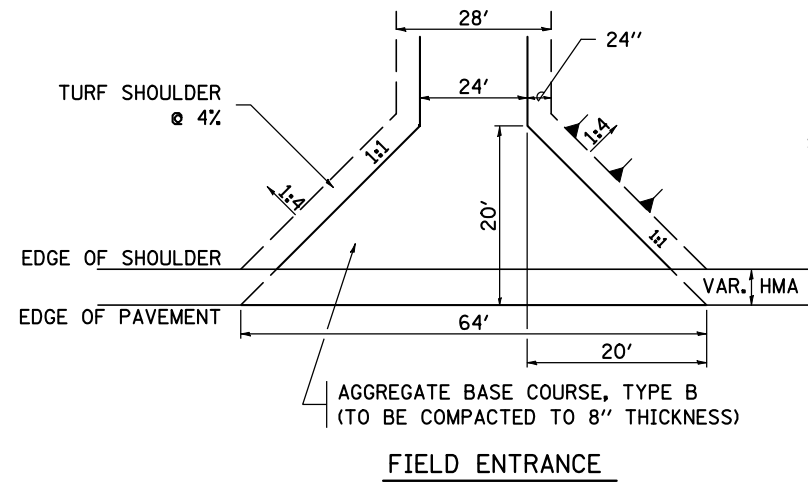
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

REGION 2 / DISTRICT 2 STANDARD

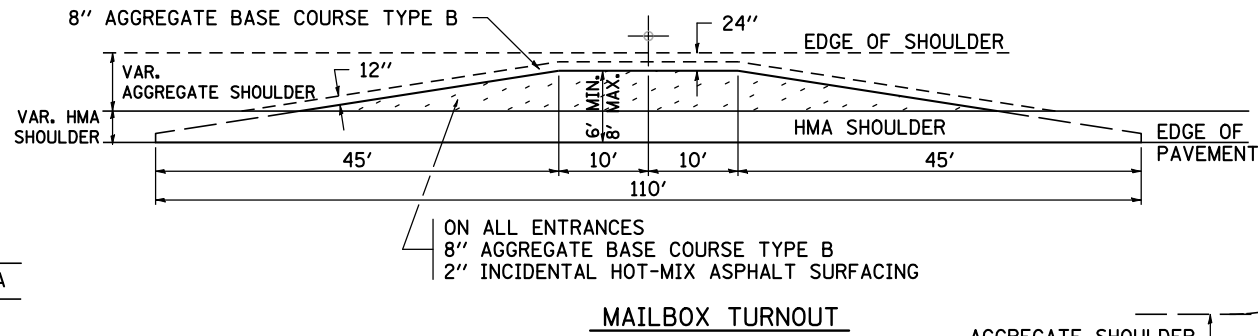
SCALE:	SHEET NO.	OF SHEETS	STA.	TO STA.
--------	-----------	-----------	------	---------

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
308	110T	ROCK ISLAND	51	39
CONTRACT NO. 64925				
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT				

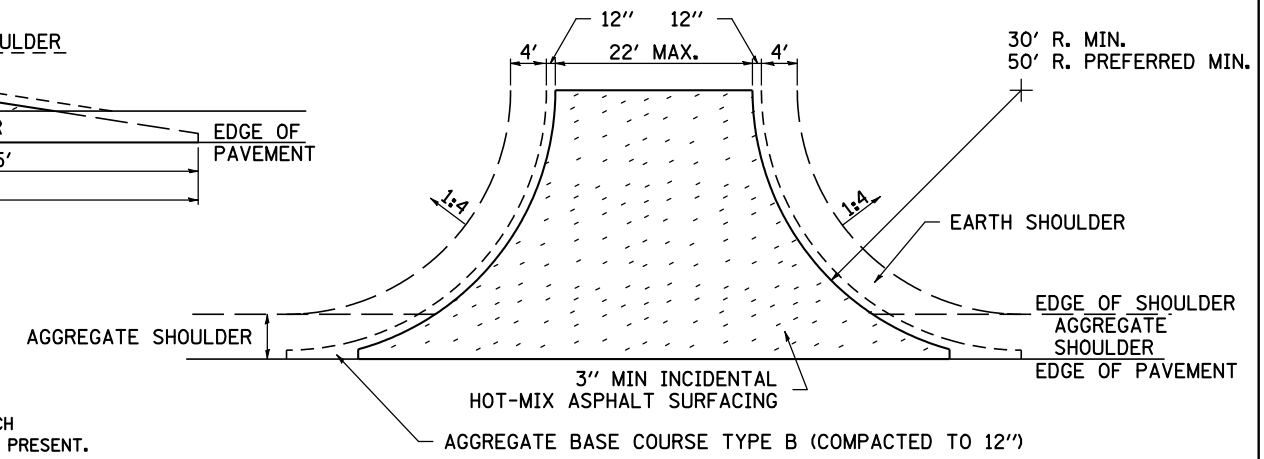
HOT-MIX ASPHALT APPROACHES AND MAILBOX RETURNS



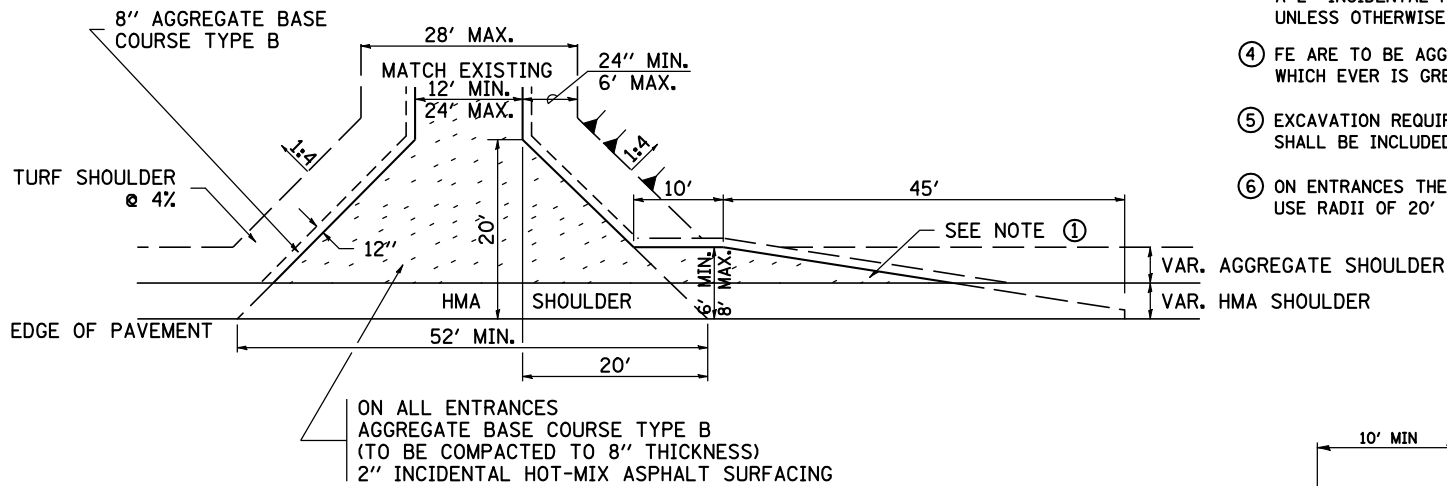
FIELD ENTRANCE



MAILBOX TURNOUT



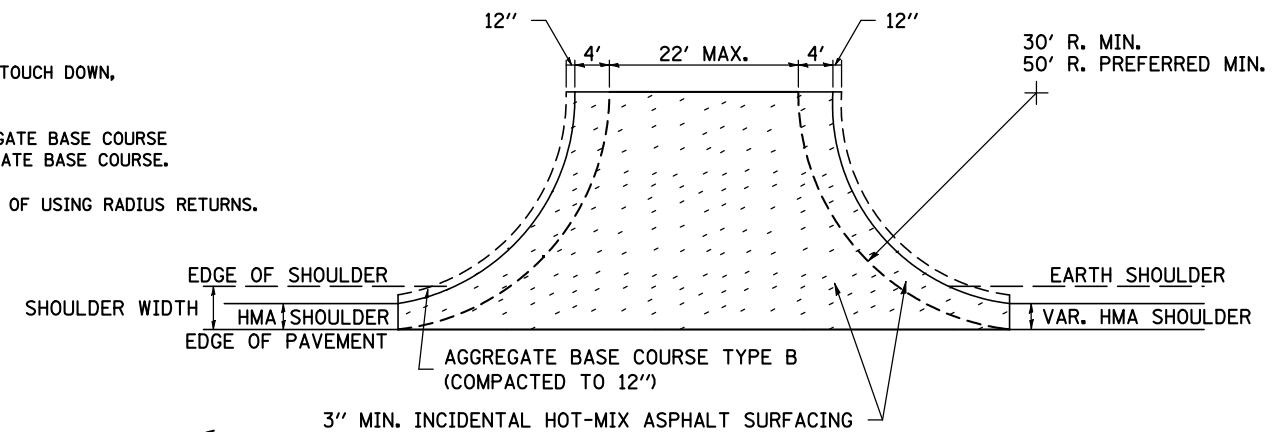
SIDE ROAD RETURN/EARTH SHOULDER



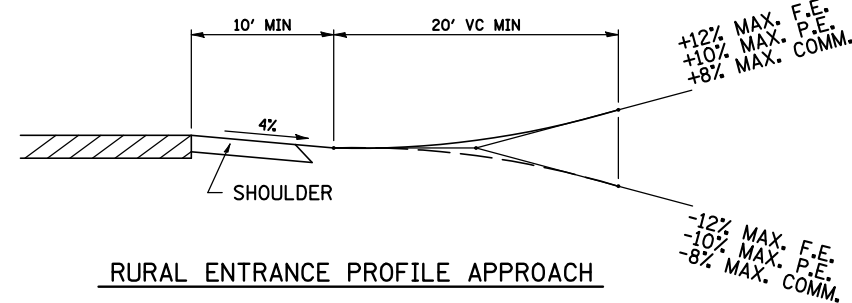
PRIVATE ENTRANCE

NOTE

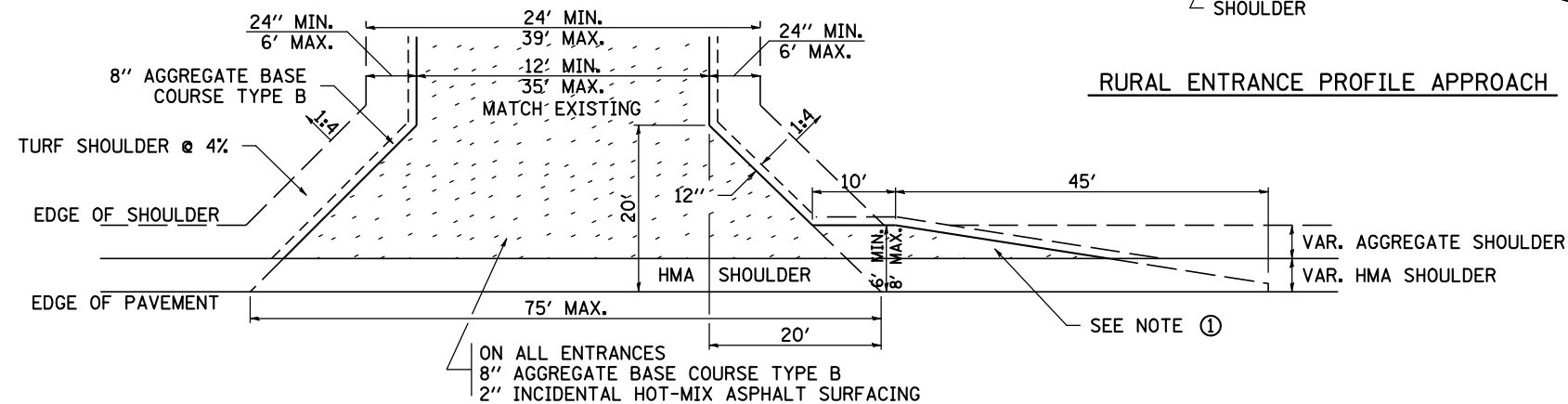
- ① TURNOUTS ARE TO BE CONSTRUCTED ON THE APPROACH SIDE OF ALL PE & CE REGARDLESS IF A MAILBOX IS PRESENT.
- ② ALL PE & CE ARE TO BE SURFACED TO RIGHT OF WAY LINE. AREA BEHIND RIGHT OF WAY SHALL MATCH EXISTING SURFACE.
- ③ ALL PE & CE TO BE CONSTRUCTED WITH AN 8" AGGREGATE BASE COURSE, TYPE B AND WITH A 2" INCIDENTAL HOT-MIX ASPHALT SURFACING, UNLESS OTHERWISE NOTED.
- ④ FE ARE TO BE AGGREGATE TO RIGHT OF WAY OR TOUCH DOWN, WHICH EVER IS GREATEST.
- ⑤ EXCAVATION REQUIRED FOR PLACEMENT OF AGGREGATE BASE COURSE SHALL BE INCLUDED IN THE COST OF THE AGGREGATE BASE COURSE.
- ⑥ ON ENTRANCES THE CONTRACTOR HAS THE OPTION OF USING RADIUS RETURNS. USE RADII OF 20' TO 60'.



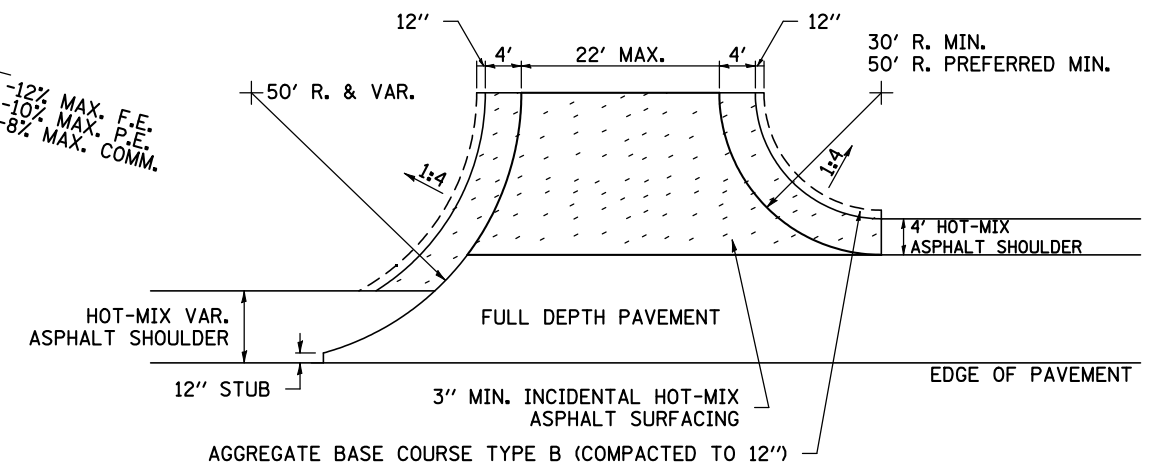
SIDE ROAD RETURN/HMA SHOULDER



RURAL ENTRANCE PROFILE APPROACH



COMMERCIAL ENTRANCE



SIDE ROAD RETURN WITH RIGHT TURN LANE

HOT-MIX ASPHALT APPROACHES AND MAILBOX RETURNS

20.1

FILE NAME =	USER NAME = brianf	DESIGNED -	REVISED - 12-07-10
st:\joi\6300--6399\6346\026\micro\codd	sheets\0264925-shit-district\details.dgn	DRAWN -	REVISED -
	PLOT SCALE = 4.0000' / IN.	CHECKED -	REVISED -
	PLOT DATE = 8/8/2012	DATE -	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

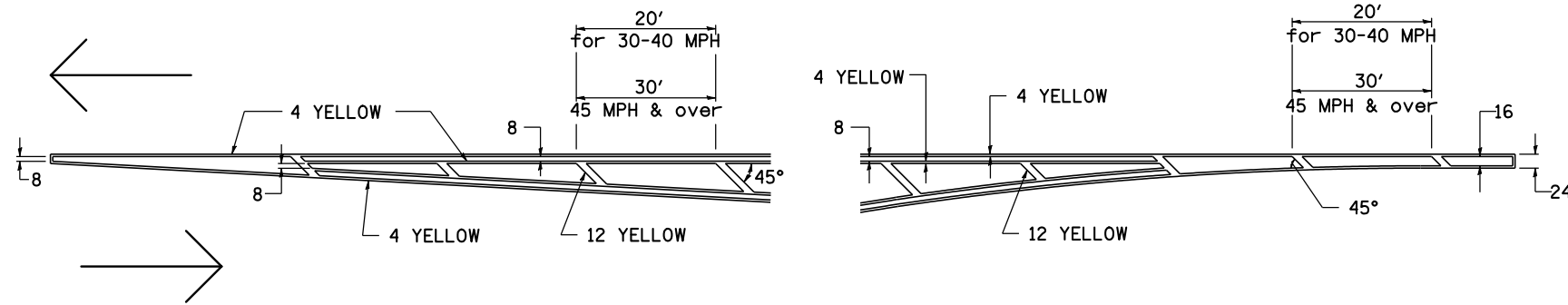
REGION 2 / DISTRICT 2 STANDARD

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

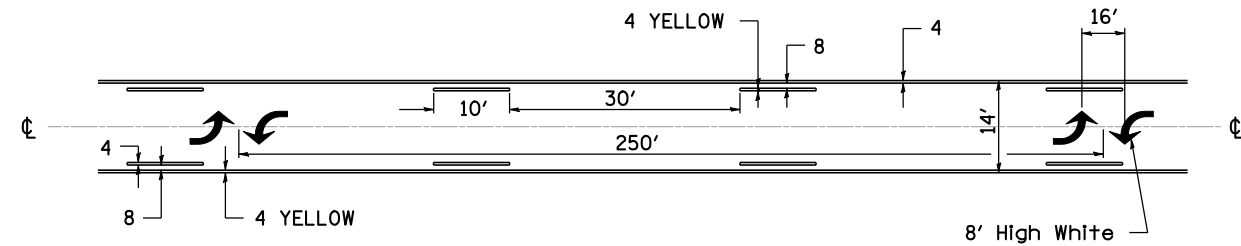
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
308	110T	ROCK ISLAND	51	40
CONTRACT NO. 64925			FED. ROAD DIST. NO. 2 (ILLINOIS) FED. AID PROJECT	

TYPICAL PAVEMENT MARKINGS

TYPICAL PAVEMENT MARKING FOR FLUSH MEDIAN AT LEFT TURN LANE

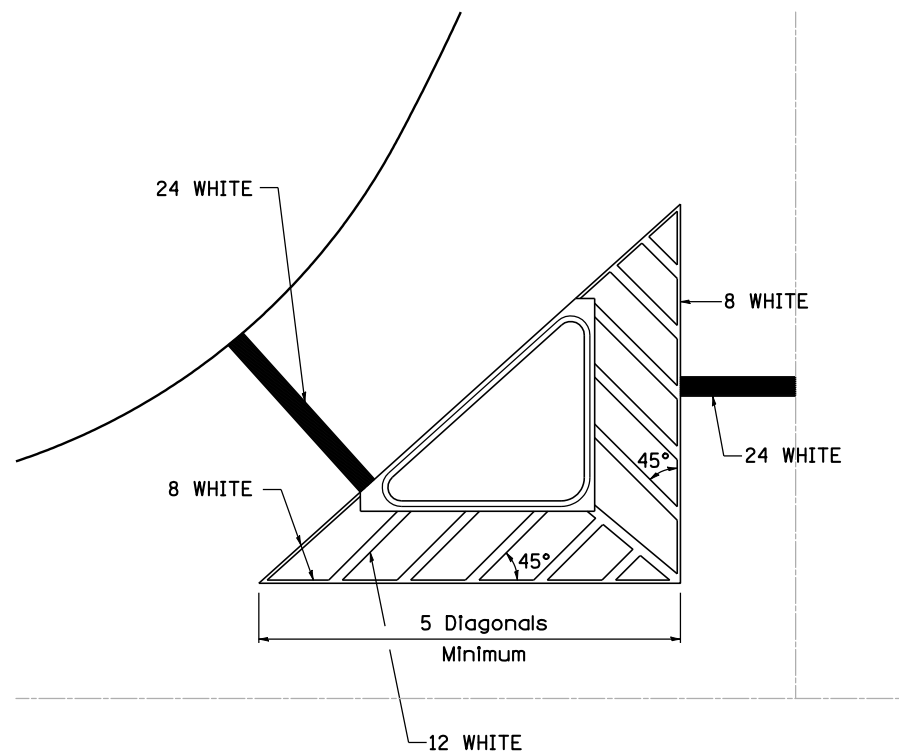


MEDIAN PAVEMENT MARKING

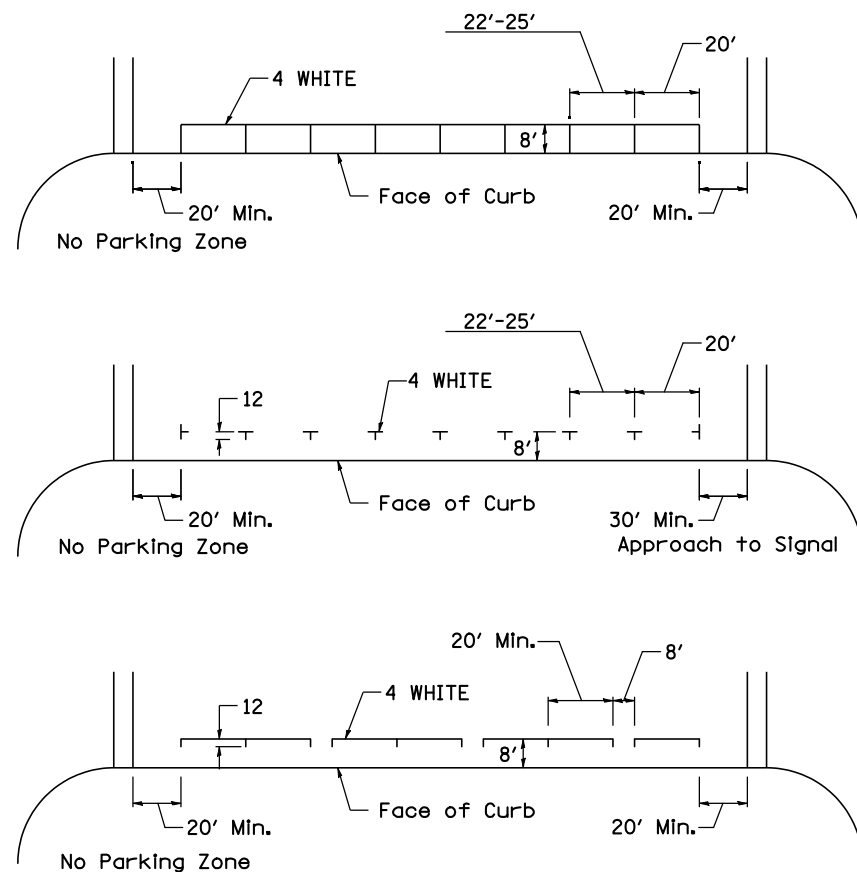


** ALL DIMENSIONS ARE IN INCHES UNLESS OTHERWISE NOTED.

TYPICAL ISLAND OFFSET SHOULDER WIDTH

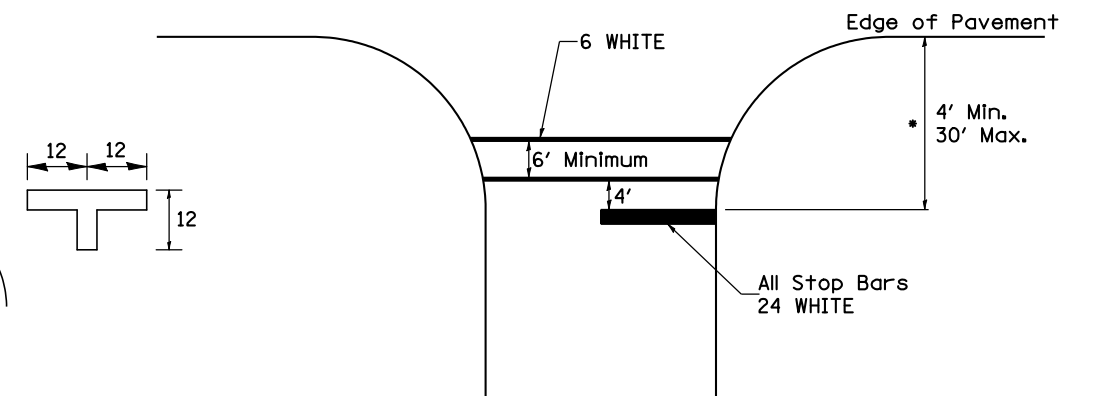


TYPICAL PARKING SPACING



STANDARD CROSSWALK MARKING

See Schedules for Locations



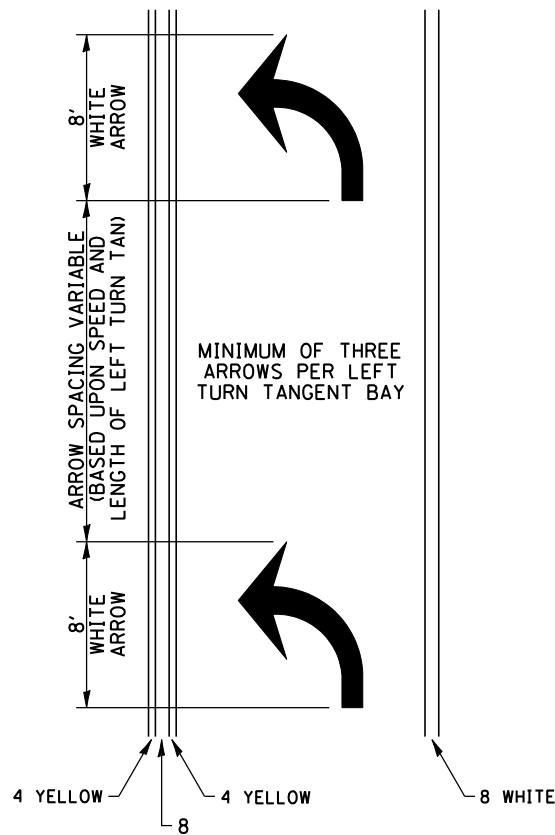
* Distance to the nearest edge of the intersecting roadway in the absence of a marked crosswalk.

TYPICAL PAVEMENT MARKINGS SHEET 1 OF 3 41.1

FILE NAME =	USER NAME = brianf	DESIGNED -	REVISED - 10-18-11	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	REGION 2 / DISTRICT 2 STANDARD			F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
st:\jo\6300--6399\6346\026\micro\cadd	heets\0264925-shit-districtdetails.dgn	DRAWN -	REVISED -					308	110T	ROCK ISLAND	51	41
	PLOT SCALE = 4.0000' / IN.	CHECKED -	REVISED -		CONTRACT NO. 64925							
	PLOT DATE = 8/8/2012	DATE -	REVISED -		SCALE: SHEET NO. OF SHEETS STA. TO STA.			FED. ROAD DIST. NO. 2 ILLINOIS FED. AID PROJECT				

TYPICAL PAVEMENT MARKINGS

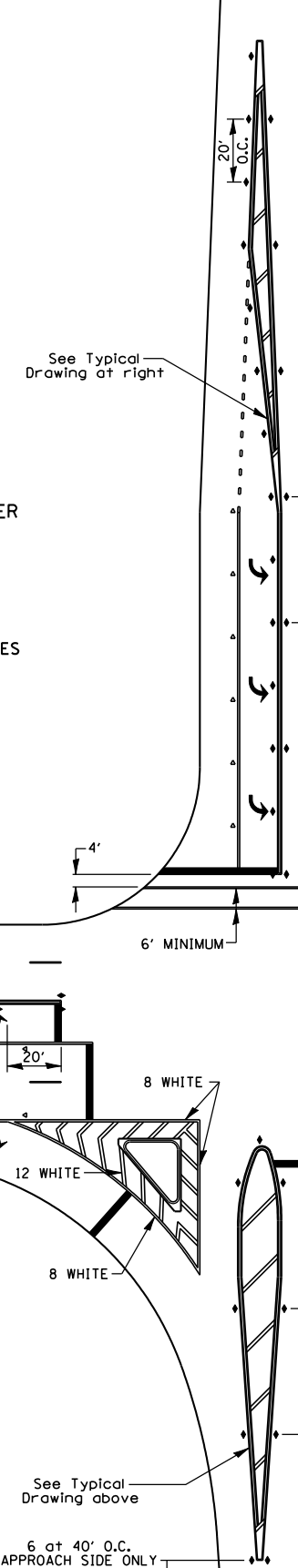
ARROW LAYOUT



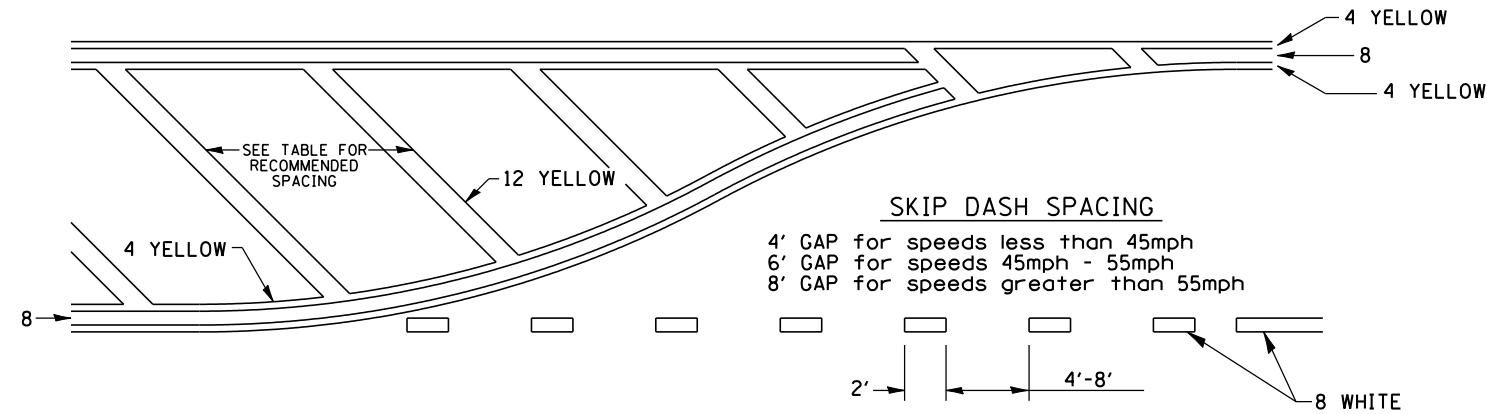
- ◀ ONE-WAY AMBER MARKER
- ◁ ONE-WAY CRYSTAL MARKER
- ◆ TWO-WAY AMBER MARKER

ALL DIMENSIONS ARE IN INCHES UNLESS OTHERWISE NOTED.

6 at 40' O.C. APPROACH SIDE ONLY



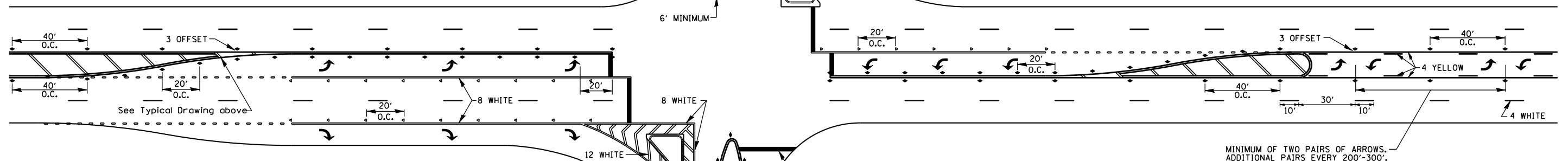
TYPICAL PAVEMENT MARKING FOR FLUSH MEDIAN



RECOMMENDED SPACING BETWEEN DIAGONALS (IN FEET)

Speed Limit Range	Continuous Median Area	Intersection Channelization	Objects (Islands)
less than 30MPH	50'	15'	10'
30-40MPH	75'	20'	15'
45MPH & over	75'	30'	20'

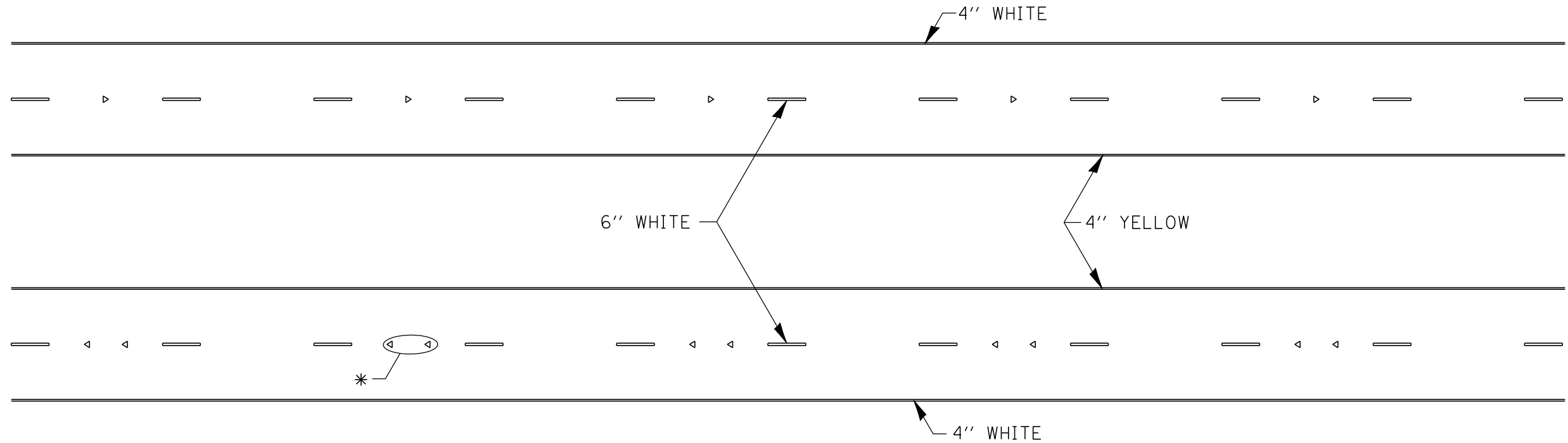
NOTE: if the spacing recommended in the Table does not permit at least five diagonal lines in the area being marked, the spacing from the next lowest speed range should be used. The recommended spacing is measured parallel to the pavement center line.



TYPICAL PAVEMENT MARKINGS SHEET 2 OF 3 41.1

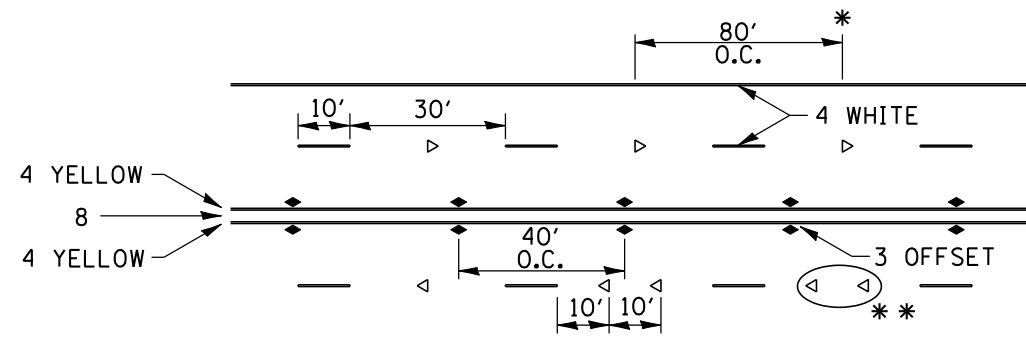
FILE NAME =	USER NAME = brianf	DESIGNED -	REVISED - 10-18-11	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	REGION 2 / DISTRICT 2 STANDARD			F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
st:\joi\6300--6399\6346\026\micro\cadd	heets\0264925-shit-districtdetails.dgn	DRAWN -	REVISED -					308	110T	ROCK ISLAND	51	42
	PLOT SCALE = 4.0000' / IN.	CHECKED -	REVISED -		SCALE: SHEET NO. OF SHEETS STA. TO STA.			CONTRACT NO. 64925				
	PLOT DATE = 8/8/2012	DATE -	REVISED -		FED. ROAD DIST. NO. 2 ILLINOIS FED. AID PROJECT							

TYPICAL PAVEMENT MARKINGS



* SEE HIGHWAY STANDARD 781001 FOR SPACING DETAILS.
USE DOUBLE MARKERS WHEN ADT \geq 25,000.

MULTI-LANE / DIVIDED

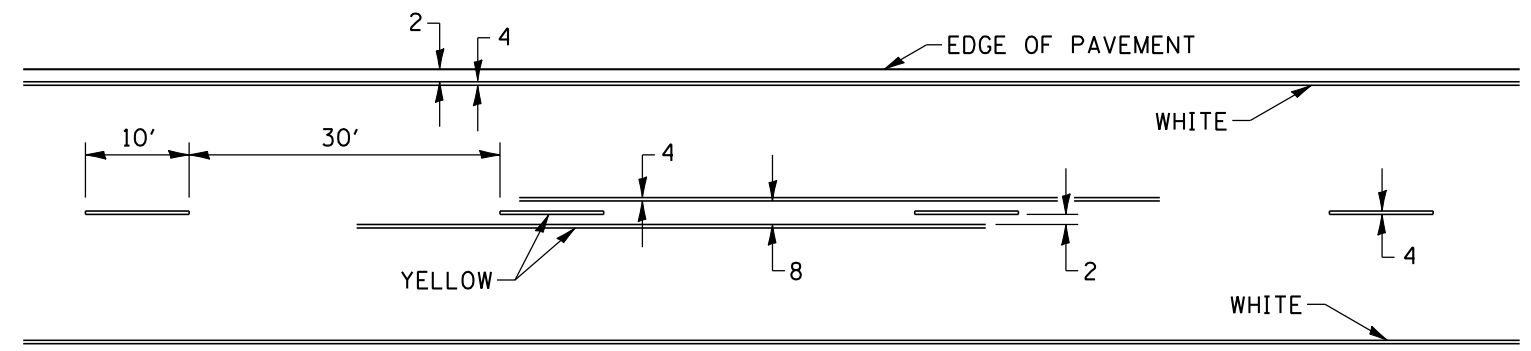


- REDUCE TO 40' O.C. ON CURVES WHERE ADVISORY SPEEDS ARE 10 MPH LOWER THAN POSTED SPEEDS.
- USE DOUBLE MARKERS WHEN ADT \geq 25,000

MULTI-LANE / UNDIVIDED

(FOR MULTI-LANE UNDIVIDED HIGHWAYS USE THIS
DETAIL NOT HIGHWAY STANDARD 781001)

TYPICAL PAVEMENT MARKING FOR TWO LANE SECTION – NO PASSING ZONES



SYMBOLS

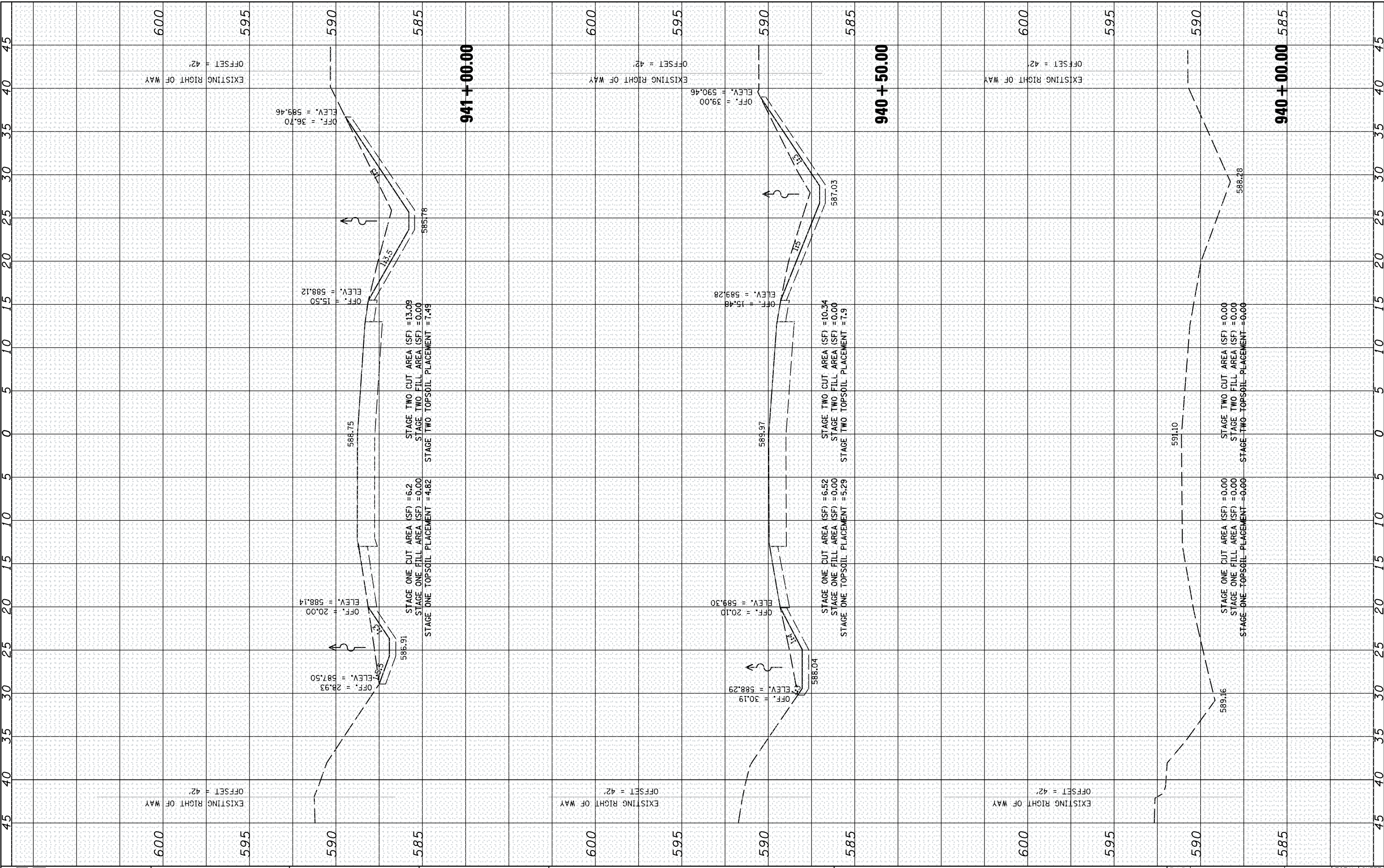
TYPICAL PAVEMENT MARKINGS SHEET 3 OF 3 41.1

FILE NAME =	USER NAME = brianf	DESIGNED -	REVISED - 10-18-11	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	REGION 2 / DISTRICT 2 STANDARD	F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	
st:\joi\6300--6399\6346\026\microsc\codd	heets\0264925-shit-districtdetails.dgn	DRAWN -	REVISED -			308	110T	ROCK ISLAND	51	43	
	PLOT SCALE = 4.0000' / IN.	CHECKED -	REVISED -			CONTRACT NO. 64925					
	PLOT DATE = 8/8/2012	DATE -	REVISED -			FED. ROAD DIST. NO. 2 ILLINOIS FED. AID PROJECT					
SCALE:						SHEET NO.	OF SHEETS	STA.	TO STA.		

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

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

FILE NAME = s:\1\63800-6495\6346\026\topsoil\stage1\0264925.plt+ssht.dgn



STRAND ASSOCIATES
 1170 SOUTH HOUBOLT ROAD
 JOLIET, ILLINOIS 60431
 (815) 744-4200

USER NAME = briant
 DESIGNED -
 DRAWN -
 CHECKED -
 DATE -
 PLOT SCALE = 10.0000' / IN.
 PLOT DATE = 8/8/2012

REVISOR -
 REVISION -
 REVISION -
 REVISION -
 REVISION -

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

CROSS SECTIONS

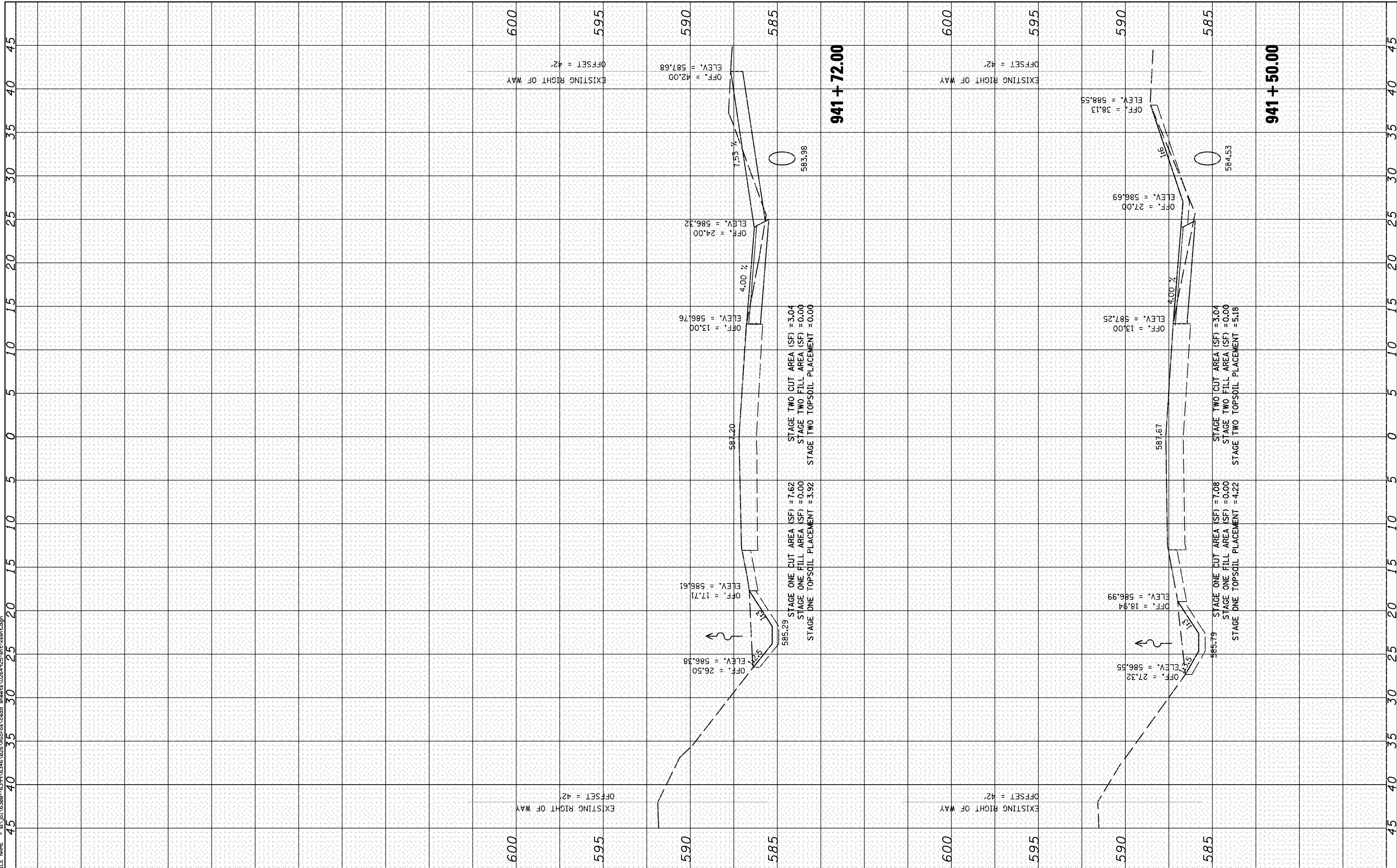
SCALE: SHEET OF SHEETS STA. 940+00.00 TO STA. 941+00.00

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
308	110T	ROCK ISLAND	51	44
			CONTRACT NO. 64925	
ILLINOIS FED. AID PROJECT				

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

ORIGINAL SURVEY NO.	SURVEYED PLOTTED AREAS CHECKED	BY	DATE

FILE NAME = s:\1\6300-6999\6346\026\topsoil\stage1\0264925.plt+ssht.dgn



STRAND ASSOCIATES*
 1170 SOUTH HOUBOLT ROAD
 JOLIET, ILLINOIS 60431
 (815) 744-4200

USER NAME = briarf	DESIGNED -	REVISED -
	DRAWN -	REVISED -
PLOT SCALE = 10.0000' / IN.	CHECKED -	REVISED -
PLOT DATE = 8/8/2012	DATE -	REVISED -

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

CROSS SECTIONS

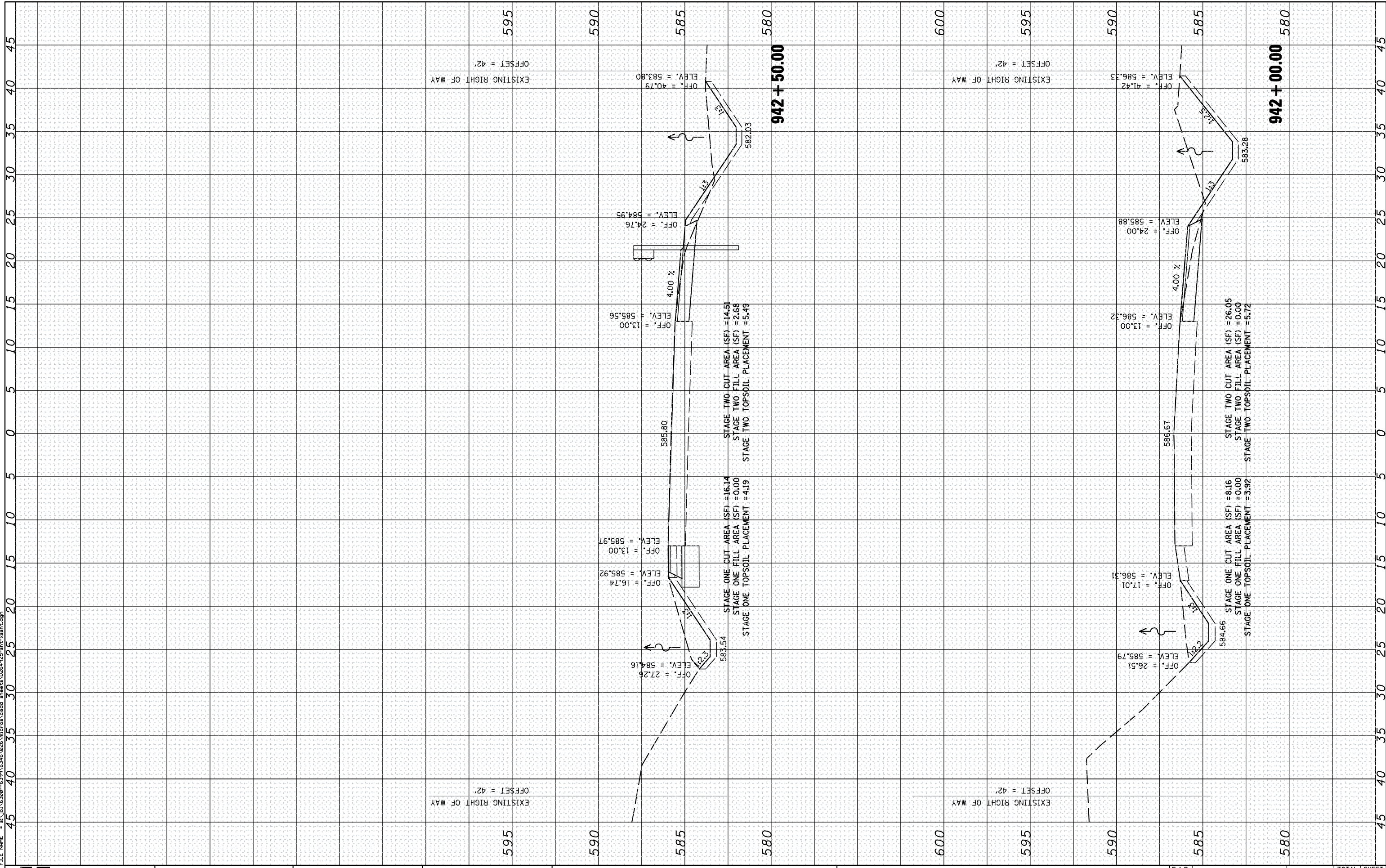
SCALE: SHEET OF SHEETS STA. 941+50.00 TO STA. 941+72.00

F.A.P. RTE. 308	SECTION 110T	COUNTY ROCK ISLAND	TOTAL SHEETS 51	SHEET NO. 45
ILLINOIS FED. AID PROJECT			CONTRACT NO. 64925	

FINAL SURVEY NO.	SURVEYED PLOTTED TEMPLATE AREAS CHECKED	BY	DATE

ORIGINAL SURVEY NO.	SURVEYED PLOTTED TEMPLATE AREAS CHECKED	BY	DATE

FILE NAME = s:\1\63800-6399\6346\026\topsoil\stage1\0264925.plt+ssht.dgn



SA 1170 SOUTH HOUBOLT ROAD
JOLIET, ILLINOIS 60431
STRAND ASSOCIATES* (815) 744-4200

USER NAME = brianf
DESIGNED -
DRAWN -
PLOT SCALE = 10.0000' / IN.
CHECKED -
DATE = 8/8/2012

REVISIED -
REVISIED -
REVISIED -
REVISIED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

CROSS SECTIONS

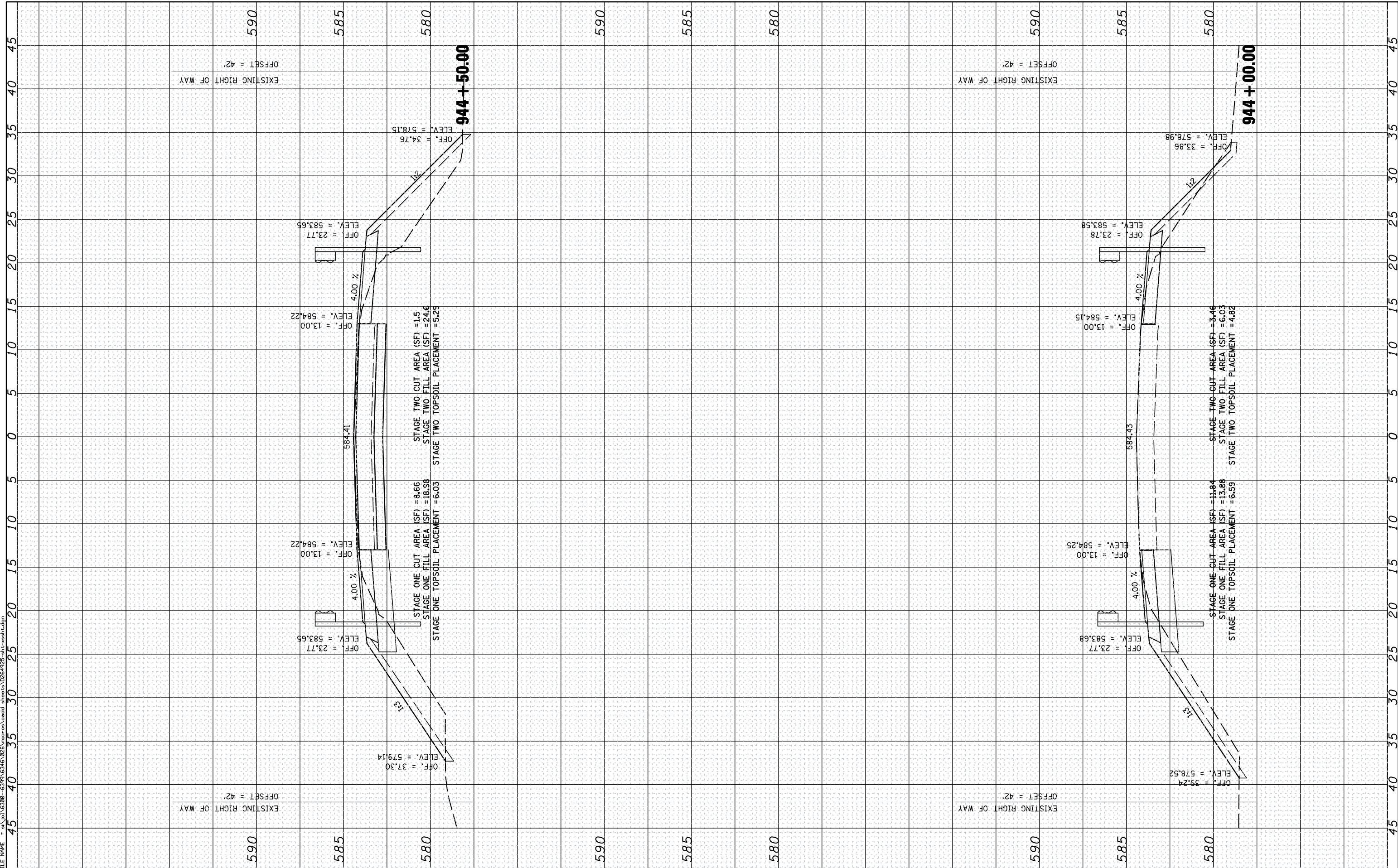
SCALE: SHEET OF SHEETS STA. 942+00.00 TO STA. 942+50.00

F.A.P. RTE. 308	SECTION 110T	COUNTY ROCK ISLAND	TOTAL SHEETS 51	SHEET NO. 46
ILLINOIS FED. AID PROJECT			CONTRACT NO. 64925	

FINAL SURVEY NO.	SURVEYED PLOTTED TEMPLATE AREAS CHECKED	BY	DATE

ORIGINAL SURVEY NO.	SURVEYED PLOTTED TEMPLATE AREAS CHECKED	BY	DATE

FILE NAME = s:\1\63800-6495\6346\026\topsoil\stage1\026495-ah+-ssht.dgn



STRAND ASSOCIATES
 1170 SOUTH HOUBOLT ROAD
 JOLIET, ILLINOIS 60431
 (815) 744-4200

USER NAME = briant	DESIGNED -	REVISED -
PLOT SCALE = 10.0000' / IN.	DRAWN -	REVISED -
PLOT DATE = 8/15/2012	CHECKED -	REVISED -
	DATE -	REVISED -

STAGE ONE CUT AREA (SF) = 8.66	STAGE ONE FILL AREA (SF) = 18.98	STAGE TWO CUT AREA (SF) = 1.5	STAGE TWO FILL AREA (SF) = 24.6
STAGE ONE TOPSOIL PLACEMENT = 6.03	STAGE ONE TOPSOIL PLACEMENT = 6.03	STAGE TWO TOPSOIL PLACEMENT = 5.29	STAGE TWO TOPSOIL PLACEMENT = 5.29

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

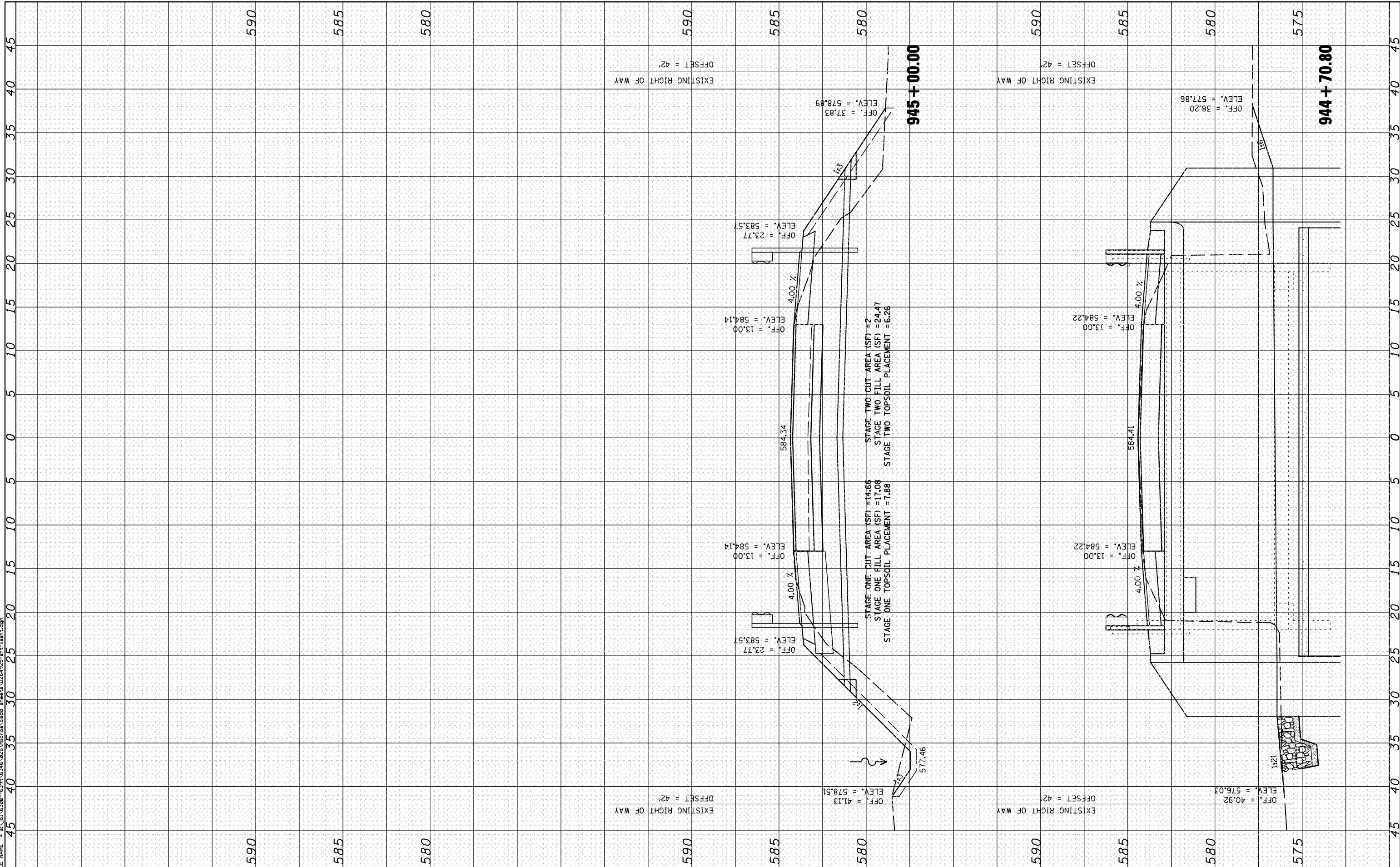
CROSS SECTIONS			
SCALE:	SHEET	OF	SHEETS
			STA. 944+00.00 TO STA. 944+50.00

F.A.P. RTE. 308	SECTION 110T	COUNTY ROCK ISLAND	TOTAL SHEETS 51	SHEET NO. 48
ILLINOIS FED. AID PROJECT				CONTRACT NO. 64925

FINAL SURVEY NO.	SURVEYED PLOTTED TEMPLATE AREAS CHECKED	BY	DATE

ORIGINAL SURVEY NO.	SURVEYED PLOTTED TEMPLATE AREAS CHECKED	BY	DATE

FILE NAME = s:\1\63800-64925\110T\110T.dwg



STRAND ASSOCIATES
1170 SOUTH HOUBOLT ROAD
JOLIET, ILLINOIS 60431
(815) 744-4200

USER NAME = brianf	DESIGNED -	REVISED -
PLOT SCALE = 10.0000' / IN.	DRAWN -	REVISED -
PLOT DATE = 8/15/2012	CHECKED -	REVISED -
	DATE -	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

CROSS SECTIONS

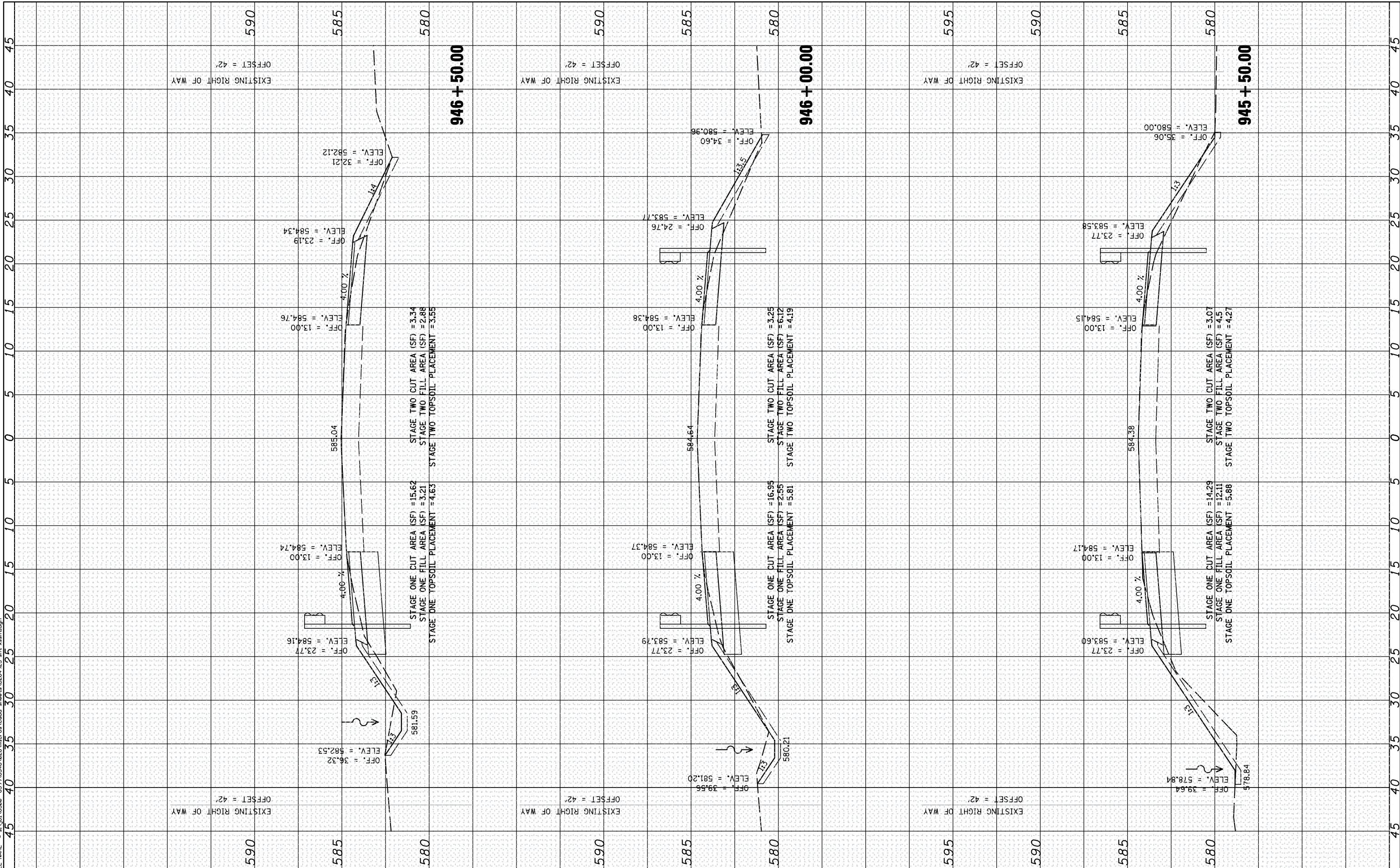
SCALE: SHEET OF SHEETS STA. 944+70.80 TO STA. 945+25.00

F.A.P. RTE. 308	SECTION 110T	COUNTY ROCK ISLAND	TOTAL SHEETS 51	SHEET NO. 49
ILLINOIS FED. AID PROJECT			CONTRACT NO. 64925	

FINAL SURVEY NO.	SURVEYED PLOTTED TEMPLATE AREAS CHECKED	BY	DATE

ORIGINAL SURVEY NO.	SURVEYED PLOTTED TEMPLATE AREAS CHECKED	BY	DATE

FILE NAME = s:\1\6390--6399\6346\026\topsoil\cadd\sheet\0264925.plt+sheet.dgn



STRAND ASSOCIATES
1170 SOUTH HOUBOLT ROAD
JOLIET, ILLINOIS 60431
(815) 744-4200

USER NAME = briant
DESIGNED -
DRAWN -
PLOT SCALE = 18.0000' / IN.
CHECKED -
DATE -

REVISOR -
REVISION -
REVISION -
REVISION -
REVISION -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

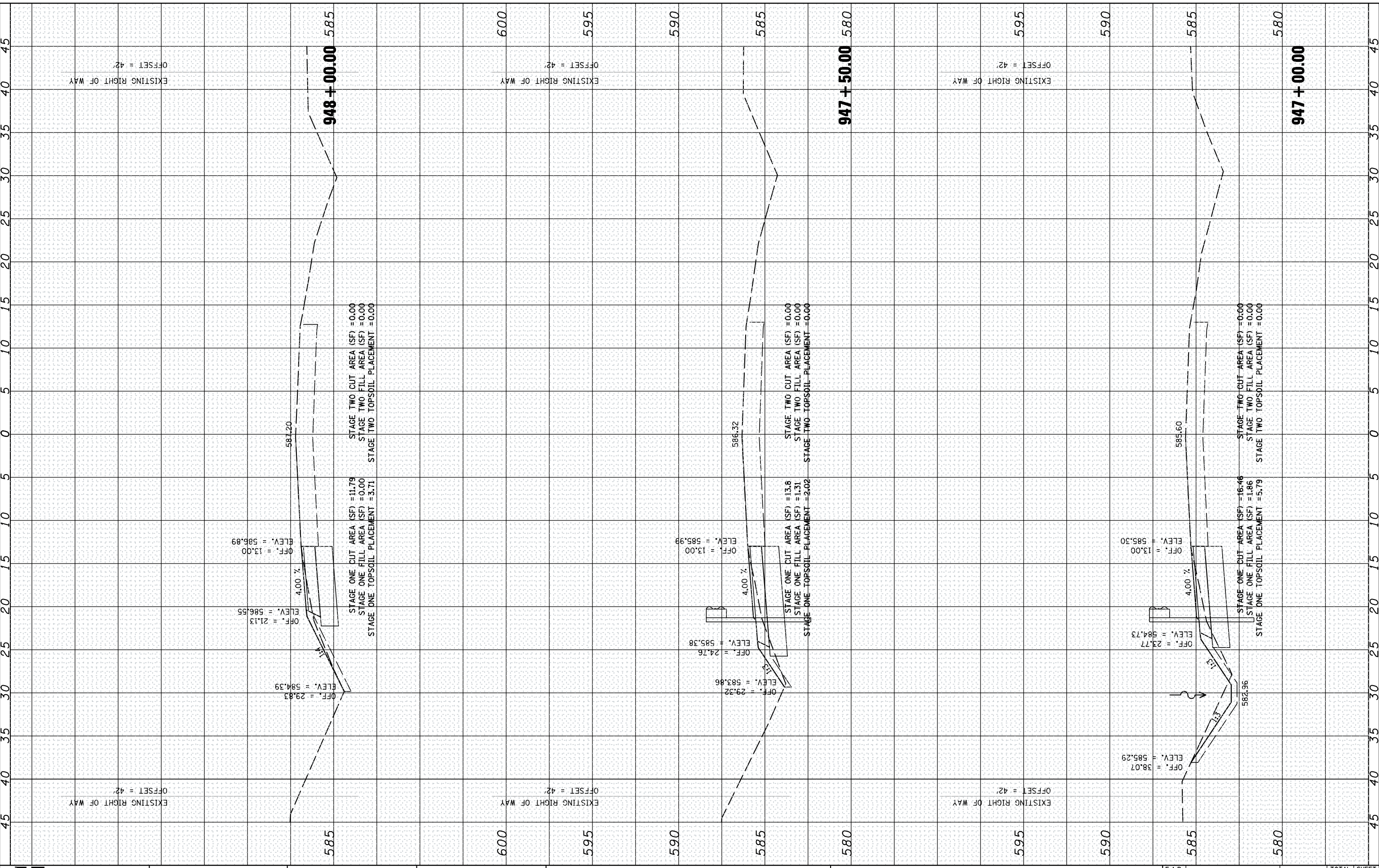
CROSS SECTIONS
SCALE: SHEET OF SHEETS STA. 945+50.00 TO STA. 946+50.00

F.A.P. RTE. 308	SECTION 110T	COUNTY ROCK ISLAND	TOTAL SHEETS 51	SHEET NO. 50
ILLINOIS FED. AID PROJECT			CONTRACT NO. 64925	

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

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

FILE NAME = s:\1\63800-64900\6346\026\topsoil\cross\cross.dwg



1170 SOUTH HOUBOLT ROAD
JOLIET, ILLINOIS 60431
STRAND ASSOCIATES
(815) 744-4200

USER NAME = briant
DESIGNED -
DRAWN -
PLOT SCALE = 18.0000' / IN.
CHECKED -
PLOT DATE = 8/8/2012
DATE -

REVISOR -
REVISOR -
REVISOR -
REVISOR -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

CROSS SECTIONS
SCALE: SHEET OF SHEETS STA. 947+00.00 TO STA. 948+00.00

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
308	110T	ROCK ISLAND	51	51
			CONTRACT NO. 64925	
ILLINOIS FED. AID PROJECT				