

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
353	(12&13)T-1	WILL	56	1

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION
DIVISION OF HIGHWAYS
**PROPOSED
HIGHWAY PLANS**

FOR INDEX OF SHEETS, SEE SHEET NO. 2

PROJECT IS LOCATED IN VILLAGE OF MOKENA

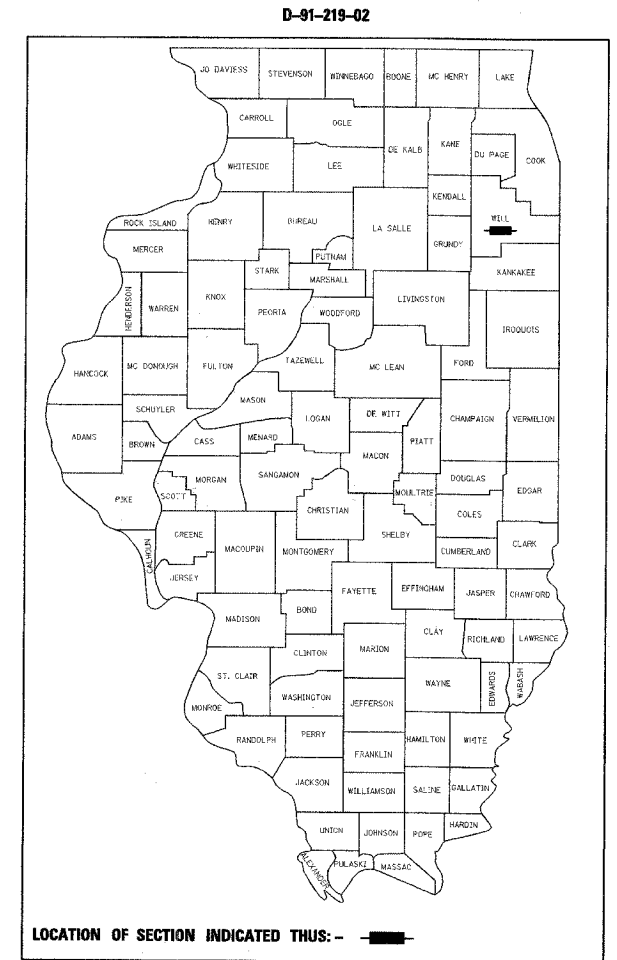
DESIGN DESIGNATION

2,340 (20) OTHER PRINCIPAL ARTERIAL 4.27 (FD-20)

TRAFFIC DATA

	ADT (2000)	DESIGN SPEED	POSTED SPEED
U. S. RTE 30 GARFIELD TO WOLF	16,000	50	50

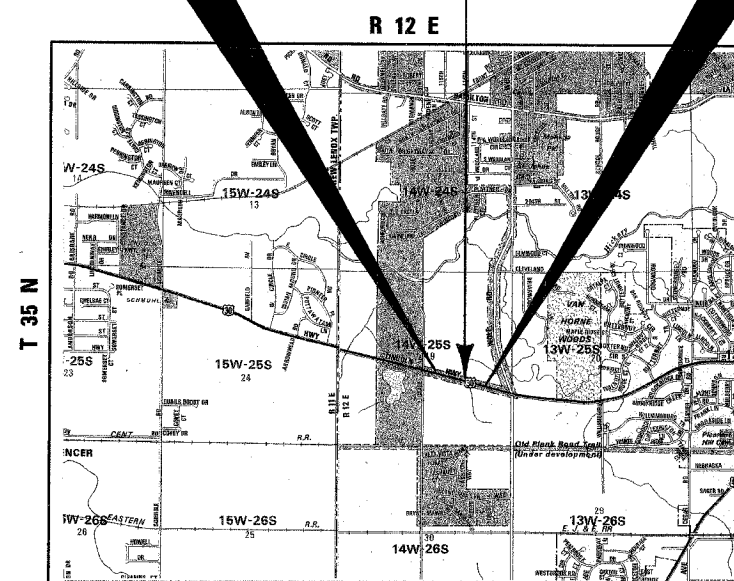
F.A.P. 353 (U.S. ROUTE 30)
SECTION: (12 & 13) T-1
OVER STREAM 0.3 MI. W. OF WOLF RD.
BRIDGE REPLACEMENT
~~PROJECT~~
WILL COUNTY
C-91-101-05



IMPROVEMENT BEGINS
STA. 287+25.00

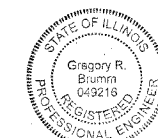
U.S. 30 OVER STREAM
PROP. S.N. 099-4661
STA. 293+05.00
REMOVE EXISTING BRIDGE
AND CONSTRUCT TRIPLE
CELL BOX CULVERT

IMPROVEMENT ENDS
STA. 298+57.40



ROADWAY & STRUCTURES DESIGNED BY

BRIGHTON A & E, INC.
A D E L Z COMPANY
85 W. Algonquin Road • Suite 220 • Arlington Heights, IL 60005
Telephone (847) 640-0840 • Fax (847) 640-0856



Gregory R. Brumm
SIGNATURE

SEAL
11-30-05
EXPIRES



Wayne A. Trex
SIGNATURE

SEAL
11-30-06
EXPIRES

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION
DIVISION OF HIGHWAYS

SUBMITTED June 15, 20 05

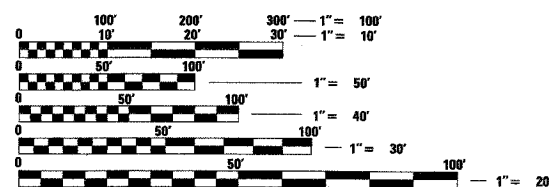
Dina O'Keefe / AP
DISTRICT ENGINEER

August 19, 20 05
Mike Hine / AP
ENGINEER OF DESIGN AND ENVIRONMENT

August 19, 20 05
Victor Mader / AP
DIRECTOR, DIVISION OF HIGHWAYS

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

CONSULTANT SERVICES SECTION DISTRICT ONE - DESIGN / MANAR NASHIF (847) 705-4523



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

CONTRACT NO. 62901

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
353	(12&13)T-1	WILL	53	2
STA.		TO STA.		

INDEX OF SHEETS

SHEET NO. DESCRIPTION

- 1 COVER SHEET
- 2 INDEX OF SHEETS / STATE STANDARDS / GENERAL NOTES
- 3 SUMMARY OF QUANTITIES
- 4 TYPICAL SECTIONS
- 5 SCHEDULE OF QUANTITIES
- 6 ALIGNMENT, TIES & BENCHMARKS
- 7 REMOVAL PLAN
- 8 PLAN & PROFILE
- 9-18 SUGGESTED STAGES OF CONSTRUCTION & TRAFFIC CONTROL
- 19 EROSION CONTROL PLANS
- 20 LANDSCAPING & PAVEMENT MARKING PLANS
- 21-35 STRUCTURE PLANS - CULVERT 'F'
- 35A-35C BORING LOGS
- 36 BUTT JOINTS AND BITUMINOUS TAPER (BD 32)
- 37 TRAFFIC CONTROL AND PROTECTION FOR SIDE ROADS, INTERSECTIONS, AND DRIVEWAYS (TC 10)
- 38 TYPICAL APPLICATIONS RAISED REFLECTIVE PAVEMENT MARKERS (SNOW-PLOW RESISTANT) (TC 11)
- 39 DISTRICT ONE TYPICAL PAVEMENT MARKINGS (TC 13)
- 40 PAVEMENT MARKING LETTERS AND SYMBOLS FOR TRAFFIC STAGING (TC 16)
- 41 TEMPORARY INFORMATION SIGNING (TC 22)
- 42-53 CROSS SECTIONS

STATE STANDARDS

STD. NO. DESCRIPTION

- 000001-04 STANDARD SYMBOLS, ABBREVIATIONS AND PATTERNS
- 001001 AREAS OF REINFORCEMENT REBARS
- 001006 DECIMAL OF AN INCH AND OF A FOOT
- 280001-02 TEMPORARY EROSION CONTROL SYSTEMS
- 515001-02 NAME PLATE FOR BRIDGES
- 701001-01 OFF-RD OPERATIONS, 2L, 2W, MORE THAN 4.5 m (15') AWAY
- 701006-02 OFF-RD OPERATIONS, 2L, 2W, 4.5 m (15') TO 600 mm (24") FROM PAVEMENT EDGE
- 701011-01 OFF-RD MOVING OPERATIONS, 2L, 2W DAY ONLY
- 701201-02 LANE CLOSURE, 2L, 2W, DAY ONLY, FOR SPEEDS >= 45 MPH
- 701301-02 LANE CLOSURE, 2L, 2W, SHORT TIME OPERATIONS
- 701306-01 LANE CLOSURE, 2L, 2W, SLOW MOVING OPERATIONS DAY ONLY, FOR SPEEDS >= 45 MPH
- 701311-02 LANE CLOSURE, 2L, 2W MOVING OPERATIONS-DAY ONLY
- 701321-08 LANE CLOSURE, 2L, 2W, BRIDGE REPAIR WITH BARRIER
- 701326-02 LANE CLOSURE, 2L, 2W, PAVEMENT WIDENING, FOR SPEEDS >= 45 MPH
- 701331-02 LANE CLOSURE, 2L, 2W, WITH RUN-AROUND, FOR SPEEDS >= 45 MPH
- 702001-05 TRAFFIC CONTROL DEVICES
- 704001-02 TEMPORARY CONCRETE BARRIER
- 780001-01 TYPICAL PAVEMENT MARKINGS
- 781001-02

GENERAL NOTES

- 1. ALL ELEVATIONS SHOWN REFER TO U.S.G.S. DATUM UNLESS OTHERWISE NOTED.
- 2. BEFORE STARTING ANY EXCAVATION, THE CONTRACTOR SHALL CALL "JULIE" AT 800-892-0123 FOR FIELD LOCATIONS OF BURIED ELECTRIC, TELEPHONE AND GAS FACILITIES. (48 HOUR NOTIFICATION IS REQUIRED)
- 3. THE CONTRACTOR SHALL COORDINATE CONSTRUCTION ACTIVITIES WITH UTILITY COMPANIES AND THE LOCAL AGENCIES.
- 4. THE CONTRACTOR WILL NOT BE ALLOWED TO SET UP A YARD OR FIELD OFFICE ON STATE PROPERTY WITHOUT WRITTEN PERMISSION FROM THE DEPARTMENT.
- 5.
- 6. BUTT JOINTS WILL BE INSTALLED AT THE ENDS OF ALL RESURFACING (WHERE RESURFACING MEETS EXISTING PAVEMENT), IN ACCORDANCE WITH THE "BUTT JOINT AND BITUMINOUS TAPER DETAILS" SHEET INCLUDED IN THE PLANS, UNLESS OTHERWISE SPECIFIED.
- 7. WHERE SECTION, SUBSECTION, SUBDIVISION OR PROPERTY MONUMENTS ARE ENCOUNTERED, THE ENGINEER SHALL BE NOTIFIED BEFORE SUCH MONUMENTS ARE REMOVED. THE CONTRACTOR SHALL PROTECT AND CAREFULLY PRESERVE ALL PROPERTY MARKERS AND MONUMENTS UNTIL THE OWNER, AN AUTHORIZED SURVEYOR OR AGENT HAS WITNESSED OR OTHERWISE REFERENCED THEIR LOCATION.
- 8. THE THICKNESS OF BITUMINOUS MIXTURE SHOWN ON THE PLANS IS THE NOMINAL THICKNESS. DEVIATIONS FROM THE NOMINAL THICKNESS WILL BE PERMITTED WHEN SUCH DEVIATIONS OCCUR DUE TO IRREGULARITIES IN THE EXISTING SURFACE OR BASE ON WHICH THE BITUMINOUS MIXTURE IS PLACED.
- 9. SAW CUTTING: A SAW CUT SHALL BE REQUIRED TO THE FULL DEPTH AT THE JOINT BETWEEN PAVEMENT, SIDEWALK, CURB AND GUTTER, MEDIAN, DRIVEWAY PAVEMENT, BITUMINOUS SURFACES TO BE REMOVED AND THAT LEFT IN PLACE OR AS DIRECTED BY THE ENGINEER. THIS WORK SHALL NOT BE PAID FOR SEPARATELY BUT SHALL BE INCLUDED IN THE COST OF THE REMOVAL ITEMS.
- 10. A MINIMUM THICKNESS OF 4 INCHES OF TOPSOIL SHALL BE PLACED OVER THE ENTIRE AREA TO BE SODDED OR SEEDDED.
- 11. WHEREVER CONCRETE MASONRY WALLS, HEADWALLS, OR OTHER OBSTRUCTIONS ARE ENCOUNTERED, THEY SHALL BE REMOVED TO AN ELEVATION OF 1 FOOT BELOW THE ESTABLISHED GRADE OR SUBGRADE AS SHOWN ON THE PLANS. SUCH WORK SHALL BE CONSIDERED INCLUDED IN EARTH EXCAVATION.
- 12. THE LOCATIONS OF EXISTING WATER MAINS, GAS MAINS, SEWERS, ELECTRIC POWER LINES AND OTHER UTILITIES AS SHOWN ON THE PLANS ARE BASED ON FIELD INVESTIGATIONS AND THE BEST INFORMATION AVAILABLE, BUT THEY ARE NOT GUARANTEED. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO ASCERTAIN THEIR EXACT LOCATIONS FROM THE UTILITY COMPANIES AND BY FIELD INSPECTION.
- 13. THE CONTRACTOR SHALL PROVIDE FOR TEMPORARY DRAINAGE UNTIL THE FINAL SURFACE IS PLACED. COST SHALL BE INCLUDED IN EARTH EXCAVATION.
- 14. ANY AGGREGATE SUBGRADE, 12" DAMAGED BY THE CONTRACTOR'S VEHICLES, TRUCKS OR EQUIPMENT IS TO BE REMOVED AND REPLACED AT THE CONTRACTOR'S EXPENSE, AND NO ADDITIONAL COMPENSATION WILL BE MADE FOR THIS WORK.
- 15. NO ADDITIONAL COMPENSATION WILL BE MADE FOR REMOVAL OF STUMPS OR TREE ROOTS THAT ARE IN CONFLICT WITH PROPOSED IMPROVEMENTS.
- 16. ADDED EXPENSE INVOLVED IN CONNECTING EXISTING DRAIN TILES, PIPE CULVERTS, OR STORM SEWERS TO THE PROPOSED DRAINAGE SYSTEM SHALL BE CONSIDERED INCLUDED IN OTHER DRAINAGE ITEMS.
- 17. UNDERDRAIN SLOPEWALL AND PIPE REMOVAL SHALL BE INCIDENTAL TO EARTH EXCAVATION.
- 18. THE CONTRACTOR MUST BE IN COMPLIANCE WITH THE 404 PERMIT AT ALL TIMES.
- 19. WHEN ARTIFICIAL LIGHTING IS USED IN NIGHT OPERATIONS, THE CONTRACTOR SHALL EXERCISE THE UTMOST PRECAUTIONS IN PREVENTING ADVERSE VISIBILITY TO THE MOTORING PUBLIC AND ADJOINING RESIDENTIAL AREAS.

GENERAL NOTES

- 20. FOR STABILIZATION, ALL TYPE III BARRICADES SHALL REQUIRE A MINIMUM OF FOUR SANDBAGS PER BARRICADE.
- 21. 10 FT. (3 m) TRANSITIONS SHALL BE USED TO MATCH PROPOSED ITEMS IN THE FIELD, UNLESS OTHERWISE SHOWN. THE TRANSITIONS SHALL BE PAID FOR AT THE CONTRACT UNIT PRICE FOR THE PROPOSED ITEM OF WORK SPECIFIED.
- 22. THE ENGINEER SHALL BE THE SOLE JUDGE CONCERNING CURING TIME FOR THE VARIOUS BITUMINOUS LIFTS.
- 23. THE REMOVAL OF EXISTING ENTRANCE CULVERTS SHALL BE INCLUDED IN THE COST OF EARTH EXCAVATION.
- 24. THE BITUMINOUS MATERIAL PRIME COAT QUANTITIES HAVE BEEN DETERMINED USING A RATE OF 0.44 gal/yd² (2.0 L/m²)
- 25. THE ROW AS SHOWN IS APPROXIMATE. THE ROW AND EASEMENTS SHALL BE VERIFIED WITH THE PLAT OF HIGHWAY BY THE ENGINEER PRIOR TO THE BEGINING OF CONSTRUCTION. PLAT OF HIGHWAY TO BE PROVIDED BY THE VILLAGE OF MOKENA.

COMMITMENTS

- 1. THE CONTRACTOR SHALL CONTACT THE VILLAGE OF MOKENA DEPARTMENT OF PUBLIC WORKS AT (708) 479-3927 AT LEAST 48 HOURS IN ADVANCE OF WORKING ON ANY VILLAGE FACILITIES INCLUDING VILLAGE UTILITIES.

REVISIONS		ILLINOIS DEPARTMENT OF TRANSPORTATION
NAME	DATE	
		U.S. RTE. 30 OVER STREAM 0.3 MI. W. OF WOLF RD. INDEX OF SHEETS STATE STANDARDS GENERAL NOTES

SCALE : 1" = NTS DRAWN BY : BAE
DATE : 06/17/05 CHECKED BY : GB

Rev.

SUMMARY OF QUANTITIES

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
353	(12&13)T-1	WILL	53	3
STA.		TO STA.		
FED. ROAD DIST. NO.		ILLINOIS	FED. AID PROJECT	

CODE #	ITEM	UNIT	URBAN TOTAL QUANTITY	CONSTRUCTION TYPE CODE		
				100% STATE ROADWAY 1000-2A	100% STATE BOX CULVERT X028-2A	100% STATE IMPACT ATTENUATOR SFTY-3N
20100110	TREE REMOVAL (6 TO 15 UNITS DIAMETER)	UNIT	60	60		
20100210	TREE REMOVAL (OVER 15 UNITS DIAMETER)	UNIT	43	43		
20101000	TEMPORARY FENCE	FOOT	84	84		
20101400	NITROGEN FERTILIZER NUTRIENT	POUND	82	82		
20101500	PHOSPHORUS FERTILIZER NUTRIENT	POUND	82	82		
20101600	POTASSIUM FERTILIZER NUTRIENT	POUND	82	82		
20200100	EARTH EXCAVATION	CU YD	1170	1170		
20201200	REMOVAL AND DISPOSAL OF UNSUITABLE MATERIAL	CU YD	2424	1314	1110	
20400800	FURNISHED EXCAVATION	CU YD	1183	1183		
20900110	POROUS GRANULAR BACKFILL	CU YD	2615		2615	
21101615	TOPSOIL FURNISH AND PLACE, 4"	SQ YD	4432	4432		
21101815	COMPOST FURNISH AND PLACE, 4"	SQ YD	828	828		
25000210	SEEDING, CLASS 2A	ACRE	0.75	0.75		
25000310	SEEDING, CLASS 4	ACRE	0.25	0.25		
25100630	EROSION CONTROL BLANKET	SQ YD	5419	5419		
25200110	SODDING, SALT TOLERANT	SQ YD	821	821		
25200200	SUPPLEMENTAL WATERING	UNIT	16	16		
28000250	TEMPORARY EROSION CONTROL SEEDING	POUND	117	117		
28000300	TEMPORARY DITCH CHECKS	EACH	18	18		
28100205	STONE RIPRAP, CLASS A3	TON	140		140	
28200200	FILTER FABRIC	SQ YD	251		251	
40600100	BITUMINOUS MATERIALS (PRIME COAT)	GALLON	1602	1602		
40600300	AGGREGATE (PRIME COAT)	TON	5.5	5.5		
40600400	MIXTURE FOR CRACKS, JOINTS, AND FLANGEWAYS	TON	0.1	0.1		
40600980	BITUMINOUS SURFACE REMOVAL - BUTT JOINT	SQ YD	37	37		
40600990	TEMPORARY RAMP	SQ YD	47	47		
44000100	PAVEMENT REMOVAL	SQ YD	487	487		
44300200	STRIP REFLECTIVE CRACK CONTROL TREATMENT	FOOT	526	526		
48101300	AGGREGATE SHOULDERS, TYPE B (SPECIAL)	TON	12.9	12.9		
48101500	AGGREGATE SHOULDERS, TYPE B 6"	SQ YD	562	562		
50100100	REMOVAL OF EXISTING STRUCTURES	EACH	1		1	
50800105	REINFORCEMENT BARS	POUND	9055		9055	
51205200	TEMPORARY SHEET PILING	SQ FT	3845		3845	
51500100	NAME PLATES	EACH	1		1	
54003000	CONCRETE BOX CULVERTS	CU YD	55.9		55.9	
54010704	PRECAST CONCRETE BOX CULVERT 7' X 4'	FOOT	410.4		410.4	
60255500	MANHOLES TO BE ADJUSTED	EACH	1	1		
60257900	MANHOLES TO BE RECONSTRUCTED	EACH	1	1		
60265700	VALVE VAULT TO BE ADJUSTED	EACH	1	1		
60266100	VALVE VAULT TO BE RECONSTRUCTED	EACH	2	2		

CODE #	ITEM	UNIT	URBAN TOTAL QUANTITY	CONSTRUCTION TYPE CODE		
				100% STATE ROADWAY 1000-2A	100% STATE BOX CULVERT X028-2A	100% STATE IMPACT ATTENUATOR SFTY-3N
63200310	GUARDRAIL REMOVAL	FOOT	300	300		
67000400	ENGINEER'S FIELD OFFICE, TYPE A	CAL MO	12	12		
67100100	MOBILIZATION	L SUM	1	1		
70101800	TRAFFIC CONTROL AND PROTECTION (SPECIAL)	L SUM	1	1		
70103815	TRAFFIC CONTROL SURVEILLANCE	CAL DA	14	14		
70301000	WORK ZONE PAVEMENT MARKING REMOVAL	SQ FT	5055	5055		
70400100	TEMPORARY CONCRETE BARRIER	FOOT	1287.5	1287.5		
70400200	RELOCATE TEMPORARY CONCRETE BARRIER	FOOT	762.5	762.5		
* 72400100	REMOVE SIGN PANEL ASSEMBLY - TYPE A	EACH	2	2		
* 78000100	THERMOPLASTIC PAVEMENT MARKING - LETTERS AND SYMBOLS	SQ FT	109.2	109.2		
* 78000200	THERMOPLASTIC PAVEMENT MARKING - LINE 4"	FOOT	5758	5758		
* 78000400	THERMOPLASTIC PAVEMENT MARKING - LINE 6"	FOOT	448	448		
* 78000600	THERMOPLASTIC PAVEMENT MARKING - LINE 12"	FOOT	369	369		
* 78100100	RAISED REFLECTIVE PAVEMENT MARKER	EACH	66	66		
78100200	TEMPORARY RAISED REFLECTIVE PAVEMENT MARKER	EACH	136	136		
78300100	PAVEMENT MARKING REMOVAL	SQ FT	2142	2142		
78300200	RAISED REFLECTIVE PAVEMENT MARKER REMOVAL	EACH	67	67		
X0322256	TEMPORARY INFORMATION SIGNING	SQ FT	50	50		
X0712400	TEMPORARY PAVEMENT	SQ YD	19	19		
X3560154	BITUMINOUS CONCRETE BASE COURSE WIDENING, SUPERPAVE 1 1/2 INCH	SQ YD	70	70		
X4066426	BITUMINOUS CONCRETE SURFACE COURSE, SUPERPAVE, MIX "D", N70	TON	159.0	159.0		
X4066616	BITUMINOUS CONCRETE BINDER COURSE, SUPERPAVE, IL-19.0, N70	TON	501.0	501.0		
X4066770	LEVELING BINDER (MACHINE METHOD), SUPERPAVE N70	TON	79.5	79.5		
X4409410	BITUMINOUS SURFACE REMOVAL 2 1/4"	SQ YD	1045	1045		
X7015000	CHANGEABLE MESSAGE SIGN	CAL MO	2	2		
XX004970	TEMPORARY PAVEMENT SUPERPAVE	SQ YD	2264	2264		
Z0001050	AGGREGATE SUBGRADE 12"	SQ YD	899	899		
Z0013798	CONSTRUCTION LAYOUT	L SUM	1	1		
Z0030250	IMPACT ATTENUATORS, TEMPORARY (NON-REDIRECTIVE), TEST LEVEL 3	EACH	4			4
Z0030350	IMPACT ATTENUATORS, RELOCATE (NON-REDIRECTIVE), TEST LEVEL 3	EACH	2			2
Z0034200	WIRE FACED MECHANICALLY STABILIZED EARTH WALL	SQ FT	70		70	
X7030104	WET TEMPORARY PAVEMENT MARKING TAPE TYPE III 4"	FOOT	12417	12417		
X7030106	WET TEMPORARY PAVEMENT MARKING TAPE TYPE III 6"	FOOT	1044	1044		
X7030112	WET TEMPORARY PAVEMENT MARKING TAPE TYPE III 12"	FOOT	326	326		
X7030120	WET TEMPORARY PAVEMENT MARKING TAPE TYPE III - LETTERS AND SYMBOLS	SQ FT	108.9	108.9		

* SPECIALTY ITEM

BRIGHTON A & E, INC.

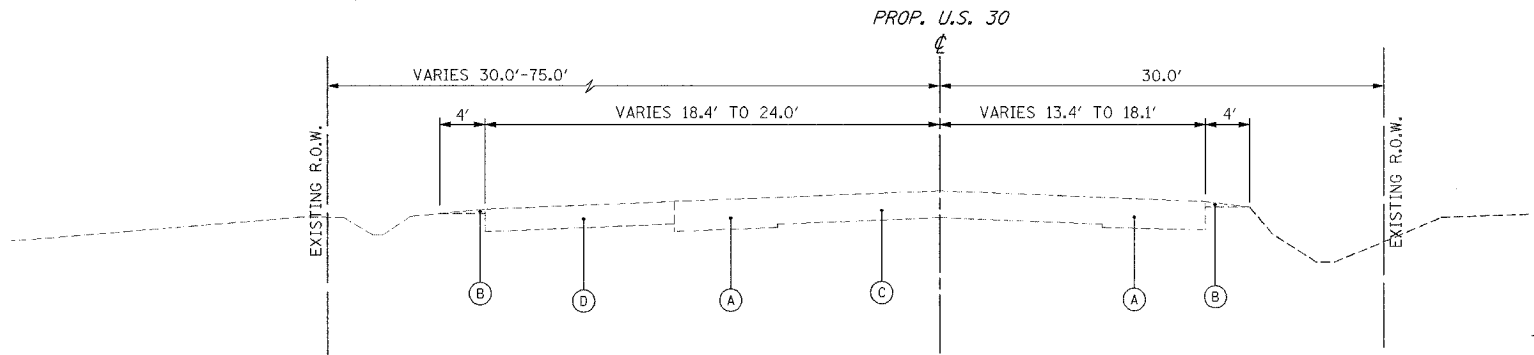
Rev.

REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION
 U.S. RTE. 30 OVER STREAM
 0.3 MI. W. OF WOLF RD.
 SUMMARY OF QUANTITIES

SCALE : 1" = NTS DRAWN BY : BAE
 DATE : 06/17/05 CHECKED BY : GB

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
353	(12&13)T-1	WILL	53	4
STA.	TO STA.			

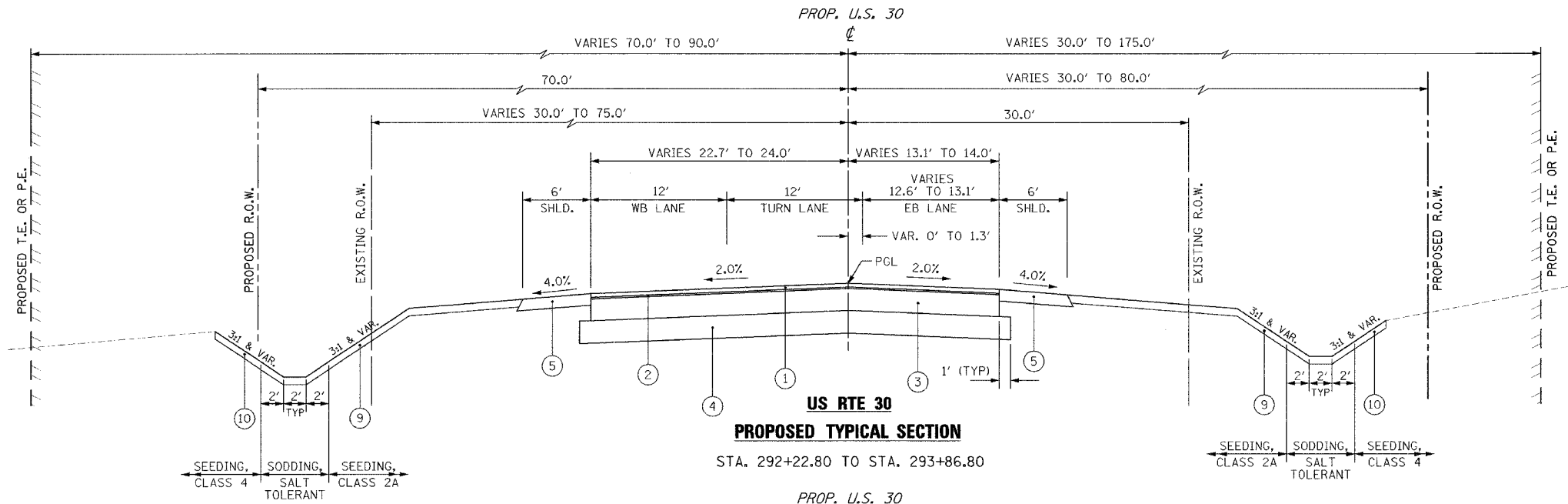


US RTE 30
EXISTING TYPICAL SECTION
STA. 290+10.10 TO STA. 294+67.90

- EXISTING LEGEND**
- (A) BITUMINOUS PAVEMENT, 12"
 - (B) GRAVEL OR CRUSHED STONE SHOULDER
 - (C) BITUMINOUS PAVEMENT, 10 3/4"
 - (D) BITUMINOUS PAVEMENT, 9"

- PROPOSED LEGEND**
- (1) BITUMINOUS CONCRETE SURFACE COURSE, SUPERPAVE, MIX "D", N70, 1 1/2"
 - (2) LEVELING BINDER (MACHINE METHOD), SUPERPAVE N70, 3/4"
 - (3) BITUMINOUS CONCRETE BINDER COURSE, SUPERPAVE, IL-19, N70, 1 1/2"
 - (4) AGGREGATE SUBGRADE, 12"
 - (5) AGGREGATE SHOULDER, TYPE B, 6"
 - (6) BITUMINOUS BASE COURSE WIDENING, SUPERPAVE 1 1/2 INCH
 - (7) EXISTING PAVEMENT
 - (8) EXISTING SHOULDER
 - (9) TOPSOIL FURNISH AND PLACE, 4"
 - (10) COMPOST FURNISH AND PLACE, 4"
 - (11) BITUMINOUS SURFACE REMOVAL 2 1/4"
 - (13) STRIP REFLECTIVE CRACK CONTROL TREATMENT

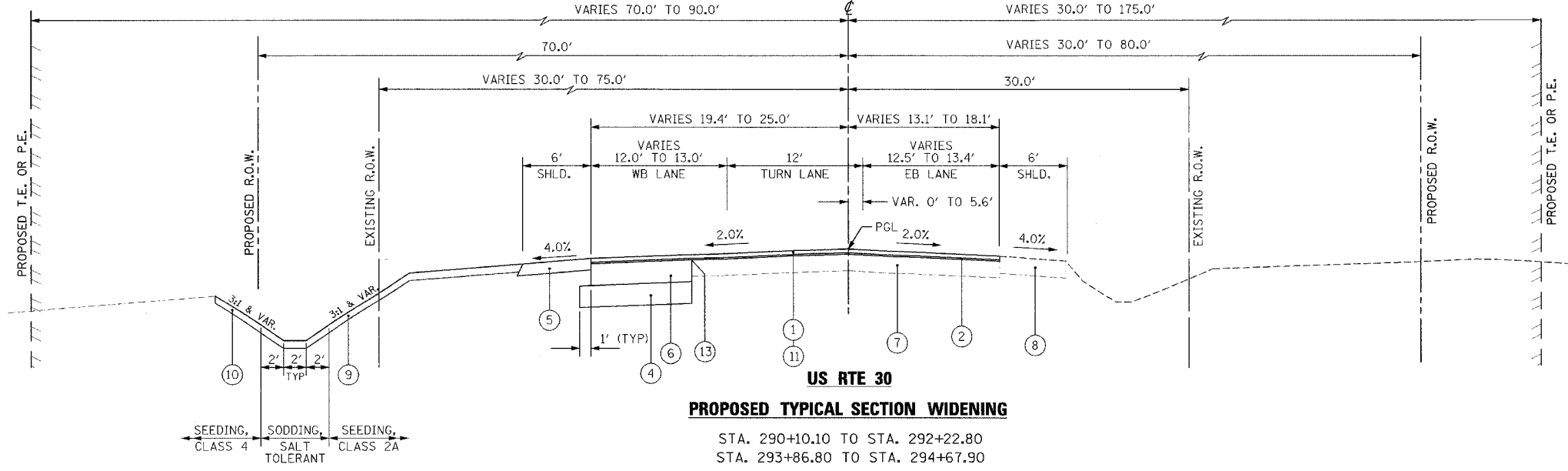
STRUCTURAL TRAFFIC:	YEAR 2016
PV= 21,352	SU= 450 MU= 674
ROAD/STREET CLASSIFICATION:	CLASS 1
P= 32%	S= 45% M= 45%
TRAFFIC FACTOR: Actual TF= 3.48	AC Type= 10
	Minimum TF= 4.27
AC GRADE: Binder= PG 64-22	Surface= PG 64-22
SUBGRADE SUPPORT RATING:	
SSR= 2.00	(Sta. _____ to _____)
SSR= 2.00	(Sta. _____ to _____)



US RTE 30
PROPOSED TYPICAL SECTION
STA. 292+22.80 TO STA. 293+86.80

BITUMINOUS MIXTURE REQUIREMENTS			
PAY ITEM	AC TYPE	VOIDS	MAX RAP %
BITUMINOUS CONCRETE SURFACE COURSE, SUPERPAVE, MIX "D", N70	PG 64-22	4% @ 70 GYR	10
LEVELING BINDER (MACHINE METHOD), SUPERPAVE N70	PG 64-22	4% @ 70 GYR	10
BITUMINOUS CONCRETE BINDER COURSE, SUPERPAVE, IL-19, N70	PG 64-22	4% @ 70 GYR	15
BITUMINOUS BASE COURSE WIDENING, SUPERPAVE 1 1/2 INCH	PG 58-22	2% @ 50 GYR	50
TEMPORARY PAVEMENT SUPERPAVE			
BITUMINOUS CONCRETE SURFACE COURSE, SUPERPAVE, MIX "D", N50, 1 3/4"	PG 64-22	4% @ 50 GYR	15
BITUMINOUS BASE COURSE, SUPERPAVE 11"	PG 58-22	2% @ 50 GYR	50
TEMPORARY PAVEMENT			
BITUMINOUS BASE COURSE, SUPERPAVE 8"	PG 58-22	2% @ 50 GYR	50

THE UNIT WEIGHT USED TO CALCULATE ALL BITUMINOUS SURFACE MIXTURE QUANTITIES IS 112 LBS/SQ YD/ IN



US RTE 30
PROPOSED TYPICAL SECTION WIDENING
STA. 290+10.10 TO STA. 292+22.80
STA. 293+86.80 TO STA. 294+67.90

REVISIONS		ILLINOIS DEPARTMENT OF TRANSPORTATION
NAME	DATE	
		U.S. RTE. 30 OVER STREAM 0.3 MI. W. OF WOLF RD. TYPICAL SECTIONS SCALE : 1" = NTS DATE : 06/17/05 DRAWN BY : BEC CHECKED BY : GB

F.J.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
353	(12&13)T-1	WILL	53	5
STA.		TO STA.		
FED. ROAD DIST. NO.		ILLINOIS	FED. AID PROJECT	

ROADWAY SCHEDULE

LOCATION		BIT MATLS PR CT	AGG PR CT	MIX CR JTS FLANGEWYS	TEMPORARY RAMP	STRIP REF CR CON TR	AGGREGATE SHLDS B SPL	AGGREGATE SHLDS B 6	BC BC WIDE SUPER 11.5	BC SC SUPER "D" N70	BCBC IL-19.0 N70	LEV BIND MM SUPER N70	AGG SUBGRADE 12
ROAD	STATION	GAL	TON	TON	SO YD	FOOT	TON	SO. YD.	SO. YD.	TON	TON	TON	SO. YD.
U. S. ROUTE 30 (LINCOLN HWY.)	285+00 - 300+00	1602	5.5	0.1	47	526	12.9	562	70	159	501	79.5	899
TOTAL		1602	5.5	0.1	47	526	12.9	562	70	159	501	79.5	899

PAVEMENT MARKING SCHEDULE

LOCATION		THERMOPLASTIC PAVEMENT MARKING				RAISED REFL PAVEMENT MARKER	TEMPORARY RAISED REF MARKER	WET TEMPORARY PAVEMENT MARKING TAPE TYPE III			
ROAD	STAGE / STATION	LTR & SYM SQ. FT.	LINE 4 FOOT	LINE 6 FOOT	LINE 12 FOOT	EACH	EACH	LTR & SYM SQ. FT.	LINE 4 FOOT	LINE 6 FOOT	LINE 12 FOOT
U. S. ROUTE 30 (LINCOLN HWY.)	STAGE 1 285+00 - 300+00						36		3455	276	
	STAGE 2 285+00 - 300+00						48		5296	230	190
	STAGE 3 285+00 - 300+00						52	108.9	3666	538	136
	STAGE 4 - FINAL 285+00 - 300+00	109.2	5758	448	369	66					
	TOTAL	109.2	5758	448	369	66	136	108.9	12417	1044	326

STAGING SCHEDULE

ROAD	STATION	WORK ZONE PAVT MK REM SQ. FT.	TEMP CONC BAR FOOT	REL TEMP CONC BAR FOOT	TEMP PAVEMENT SQ. YD.	TEMP PAVEMENT SUPER SQ. YD.	IMP ATTN TEMP NRD TL3 EACH	IMPACT ATTN REL NRD TL3 EACH
U. S. ROUTE 30 (LINCOLN HWY.)	STAGE 1 285+00 - 300+00	1278	762.5		19	2264	2	
	STAGE 2 285+00 - 300+00	2053	525.0	762.5			2	2
	STAGE 3 285+00 - 300+00	1724						
	TOTAL	5055	1287.5	762.5	19	2264	4	2

LANDSCAPE & EROSION CONTROL SCHEDULE

ROAD	STATION	TEMPORARY FENCE FOOT	NITROGEN FERT NUTR POUND	PHOSPHORUS FERT NUTR POUND	POTASSIUM FERT NUTR POUND	TOPSOIL F&P 4 SQ. YD.	COMPOST F&P 4 SQ. YD.	SEEDING CL 2A ACRE	SEEDING CL 4 ACRE	EROSION CONTR BLANKET SQ. YD.	SODDING SALT TOLERANT SQ. YD.	SUPPLE WATERING UNIT	TEMP EROSION CONTROL SEEDING POUND	TEMP DITCH CHECKS EACH	STONE RIPRAP CL A3 TON	FILTER FAB FOR USE WITH RIPRAP SQ. YD.
U. S. ROUTE 30 (LINCOLN HWY.)	285+00 - 300+00	84	82	82	82	4432	828	0.75	0.25	5419	821	16	117	18	140.0	251
TOTAL		84	82	82	82	4432	828	0.75	0.25	5419	821	16	117	18	140.0	251

REMOVAL SCHEDULE

ROAD	STATION	TREE* REMOV 6-15 UNIT	TREE* REMOV OVER 15 UNIT	BIT SURF REM BUTT JT SQ. YD.	PAVEMENT REM SQ. YD.	GUARD RAIL REMOV FOOT	REMOV SIN PAN ASSY TA EACH	PAVT MARKING REMOV SQ. FT.	RAISED REF PVT MK REM EACH	BIT SURF REM 2 1/4 SQ. YD.
U. S. ROUTE 30 (LINCOLN HWY.)	285+00 - 300+00	60	43	37	487	300	2	2142	67	1045
TOTAL		60	43	37	487	300	2	2142	67	1045

* THIS ITEM IS BROKEN OUT BY STATION AND OFFSET ON THE REMOVAL PLANS

EARTHWORK SUMMARY

LOCATION		Earth Excavation			Topsoil Excavation			Embankment			EXCAVATION USED IN EMBANKMENT (ADJ FOR SHRINKAGE*)			Earthwork Balance Waste (+) or Shortage (-)		
STA TO STA	STAGE 1	STAGE 2	STAGE 3	STAGE 1	STAGE 2	STAGE 3	STAGE 1	STAGE 2	STAGE 3	STAGE 1	STAGE 2	STAGE 3	STAGE 1	STAGE 2	STAGE 3	
289+00 - 290+00	31	0	5	81	0	6	130	0	27	27	0	4	-104	0	-23	
290+00 - 291+00	50	0	36	164	0	0	270	0	43	43	0	30	-227	0	-13	
291+00 - 292+00	59	0	73	195	0	0	353	0	29	50	0	62	-303	0	34	
292+00 - 293+00	81	109	224	149	32	0	214	0	76	69	93	191	-145	93	115	
293+00 - 294+00	52	148	215	130	139	0	100	182	86	44	126	183	-56	-56	97	
294+00 - 295+00	7	39	32	167	108	0	152	182	44	6	33	27	-145	-149	-17	
295+00 - 296+00	4	0	1	109	0	0	74	0	35	4	0	1	-71	0	-34	
296+00 - 297+00	2	0	0	34	0	0	22	0	8	2	0	0	-20	0	-8	
U. S. 30 TOTALS =	287	295	587	1029	279	6	1315	363	348	244	251	499	-1071	-112	151	

* SHRINKAGE FACTOR(S): EARTH EXCAVATION 15%

ALL UNITS IN CU. YD.
EARTH EXCAVATION
REMOVAL AND DISPOSAL OF UNSUITABLE MATERIAL
FURNISHED EXCAVATION

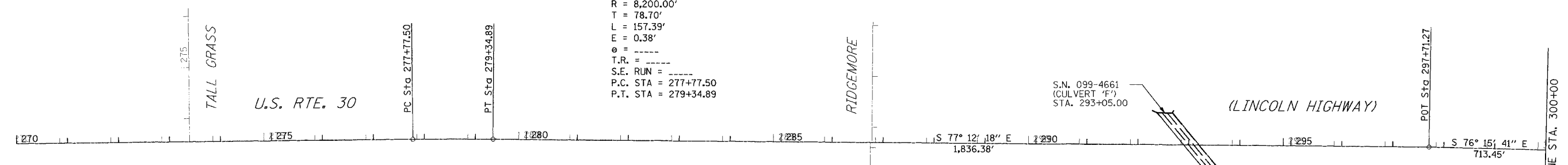
	US 30 STAGE 1	US 30 STAGE 2	US 30 STAGE 3	TOTAL
EARTH EXCAVATION	287	295	587	1170
REMOVAL AND DISPOSAL OF UNSUITABLE MATERIAL	1029	279	6	1314
FURNISHED EXCAVATION	1071	112	0	1183

REVISIONS		ILLINOIS DEPARTMENT OF TRANSPORTATION
NAME	DATE	
		U.S. RTE. 30 OVER STREAM 0.3 MI. W. OF WOLF RD. SCHEDULE OF QUANTITIES

SCALE : 1" = 50'
DATE : 06/17/05
DRAWN BY : BAE
CHECKED BY : GB

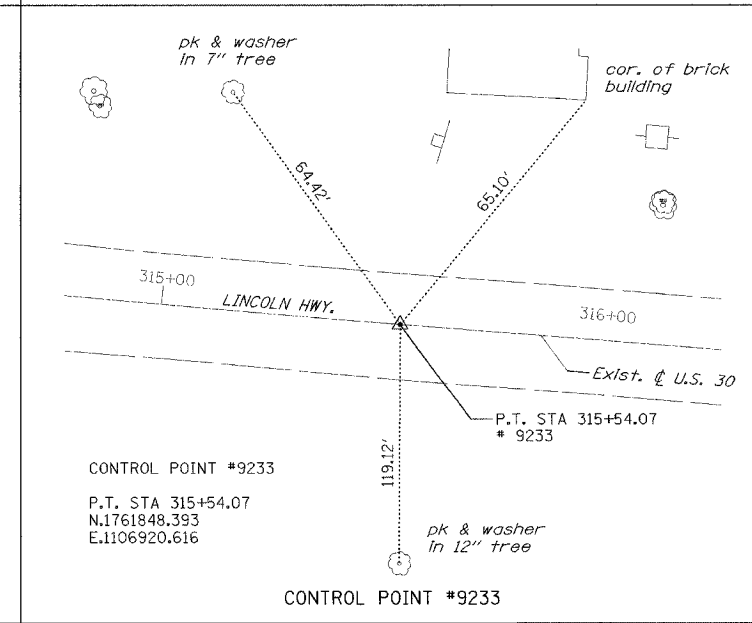
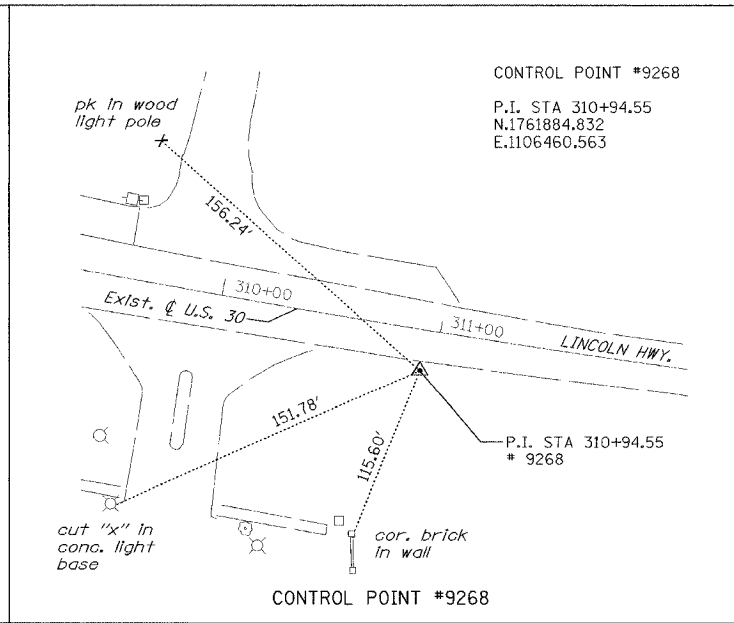
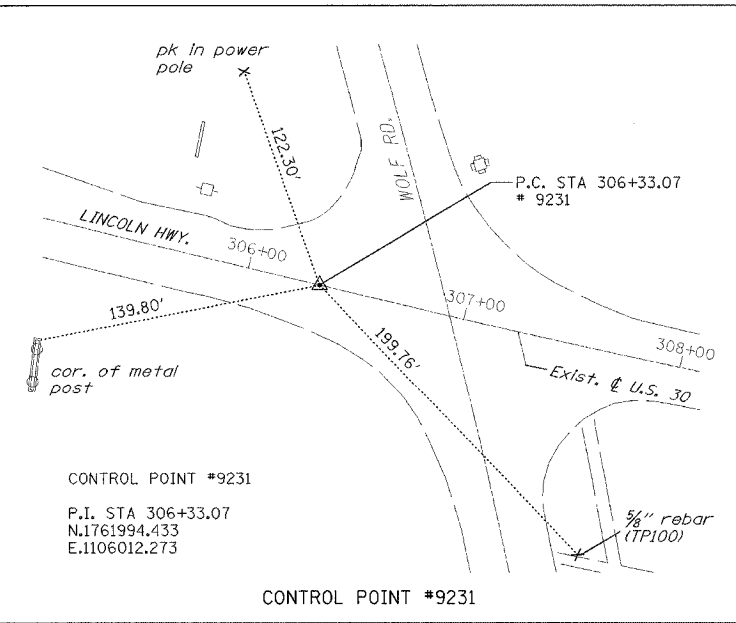
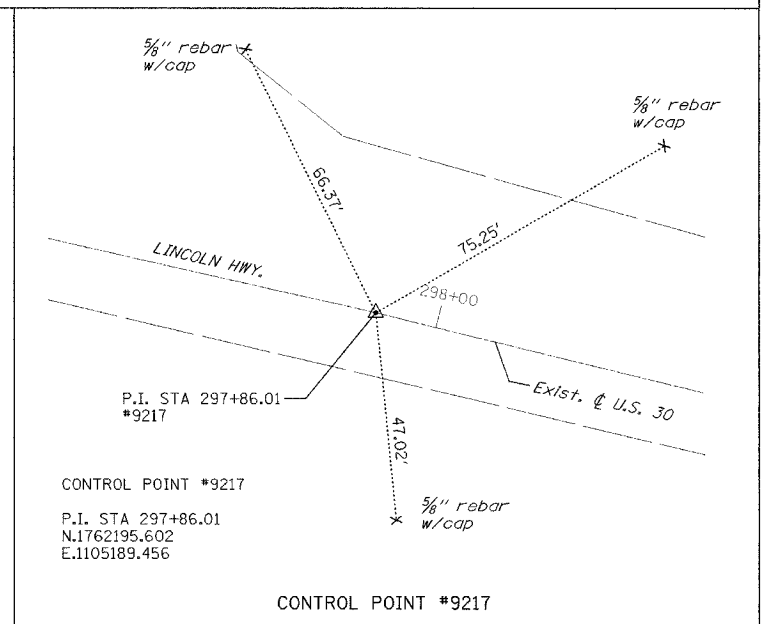
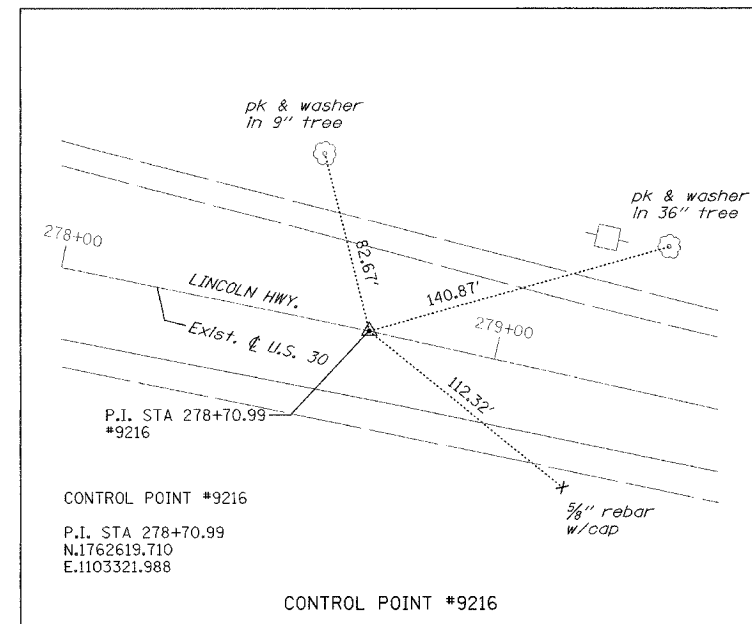
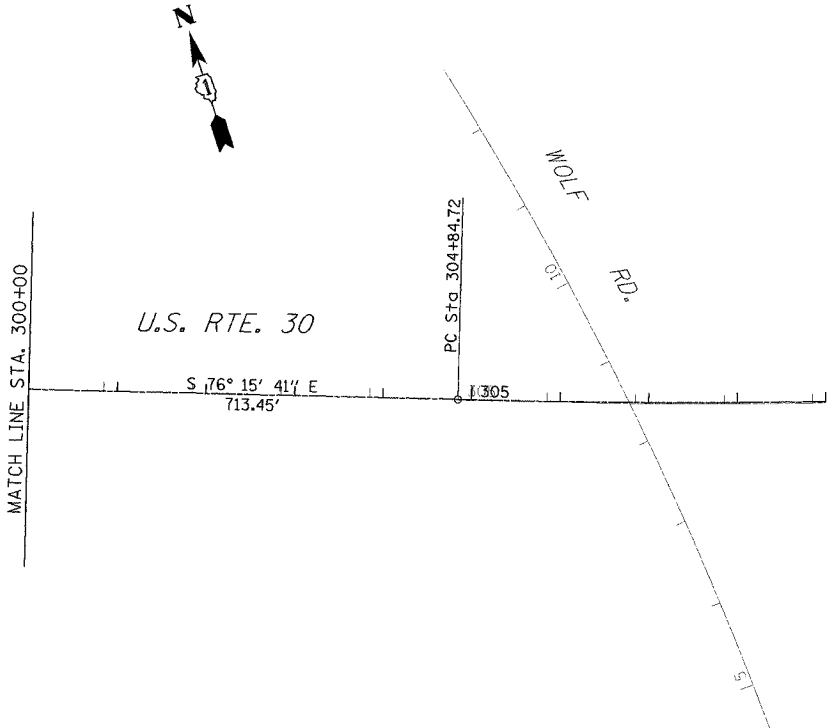
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
353	(12&13)T-1	WILL	53	6
STA.	TO STA.			

PROP. CURVE CLUS30-4
 PI STA. = 278+56.20
 $\Delta = 1^\circ 05' 59''$ (RT)
 $D = 0^\circ 41' 55''$
 $R = 8,200.00'$
 $T = 78.70'$
 $L = 157.39'$
 $E = 0.38'$
 $e = \text{---}$
 $T.R. = \text{---}$
 $S.E. RUN = \text{---}$
 P.C. STA = 277+77.50
 P.T. STA = 279+34.89



BENCHMARK DESCRIPTIONS

- BM #223 ELEVATION 699.632**
MAG NAIL ON THE WESTMOST WOODEN GUARD RAIL POST APPROXIMATELY 300' WEST OF TALL GRASS PARKWAY ON THE SOUTH SIDE OF RTE. 30. STA. 270+15, 25' LT.
- TBM #224 ELEVATION 715.371**
CHISELED "4" ON THE NW FLANGE BOLT OF THE FIRST FIRE HYDRANT EAST OF TALL GRASS DRIVE ON THE NORTH SIDE OF RTE. 30. STA. 276+68, 47' LT.
- TBM #225 ELEVATION 715.525**
NAIL IN THE SOUTH FACE OF THE THIRD POWER POLE WEST OF 116TH AVENUE ON THE NORTH SIDE OF RTE. 30. STA. 282+43, 33' LT.
- TBM #226 ELEVATION 710.678**
 $\frac{5}{8}$ " DIAMETER IRON ROD AT THE EDGE OF SW STONE SHOULDER OF RTE. 30 APPROXIMATELY 100' EAST OF THE CENTERLINE OF 116TH AVENUE. STA. 287+88, 25' RT.
- TBM #227 ELEVATION 712.798**
NAIL IN THE SOUTH FACE OF THE FIFTH POWER POLE EAST OF 116TH AVENUE ON THE NORTH SIDE OF RTE. 30. STA. 293+79, 70' LT.
- BM #228 ELEVATION 721.583**
RAILROAD SPIKE IN THE SOUTH FACE OF THE FIFTH NEW POWER POLE WEST OF WOLF ROAD ON THE NORTH SIDE OF RTE. 30. STA. 300+79, 71' LT.
- TBM #229 ELEVATION 727.761**
NAIL IN THE NORTH FACE OF THE POWER POLE ON THE SW CORNER OF WOLF ROAD AND RTE. 30. STA. 306+32, 36' RT.

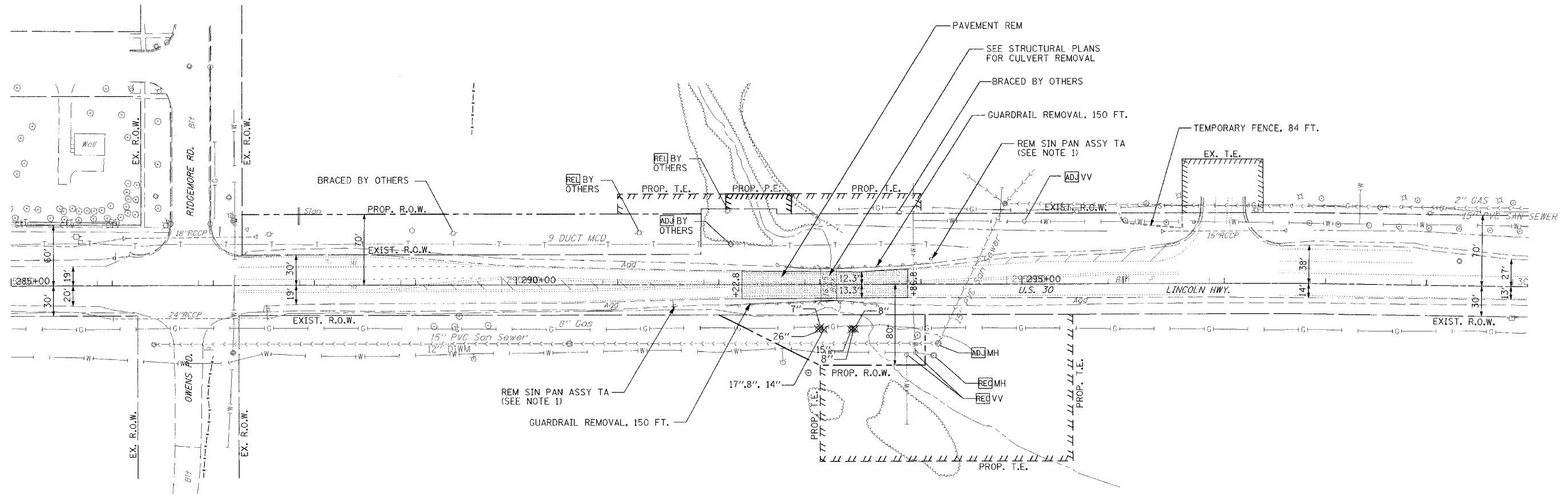


U.S. RTE. 30 COORDINATE DATA

POINT	NORTHING	EASTING
P.C. 277+77.50	1,762,635.68	1,103,244.88
P.T. 279+34.89	1,762,602.30	1,103,398.69
POT 297+71.27	1,762,195.60	1,105,189.47
P.C. 304+84.72	1,762,026.16	1,105,882.51
POT 306+77.94	1,761,982.00	1,106,070.61

REVISIONS		ILLINOIS DEPARTMENT OF TRANSPORTATION U.S. RTE. 30 OVER STREAM 0.3 MI. W. OF WOLF RD. ALIGNMENT, TIES & BENCHMARKS STA. 235+00 TO STA. 295+00 SCALE : 1" = 100' DATE : 06/17/05
NAME	DATE	
		DRAWN BY : BAE CHECKED BY : GB

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO
353	(12&13) T-1	WILL	53	7
STA.	TO STA.			



NOTES:

1. EXISTING SIGN PANEL ASSEMBLY TYPE A TO BE REMOVED AFTER CULVERT IS CONSTRUCTED. EXISTING SIGN PANEL SHOWN BELOW:

WEIGHT LIMIT
10 TONS AXLE
40 TONS GROSS

2. ALL SAWCUTS SHALL BE INCIDENTAL TO THE RESPECTIVE REMOVAL ITEM.

TREE REMOVAL SCHEDULE

STATION	OFFSET		TREE SIZE (dbh)
292+97.93	44.36	RT	26
293+00.31	42.73	RT	7
293+04.02	44.80	RT	8
293+04.02	44.80	RT	17
293+04.02	44.80	RT	14
293+30.73	44.73	RT	15
293+32.30	43.86	RT	8
293+34.40	44.21	RT	8

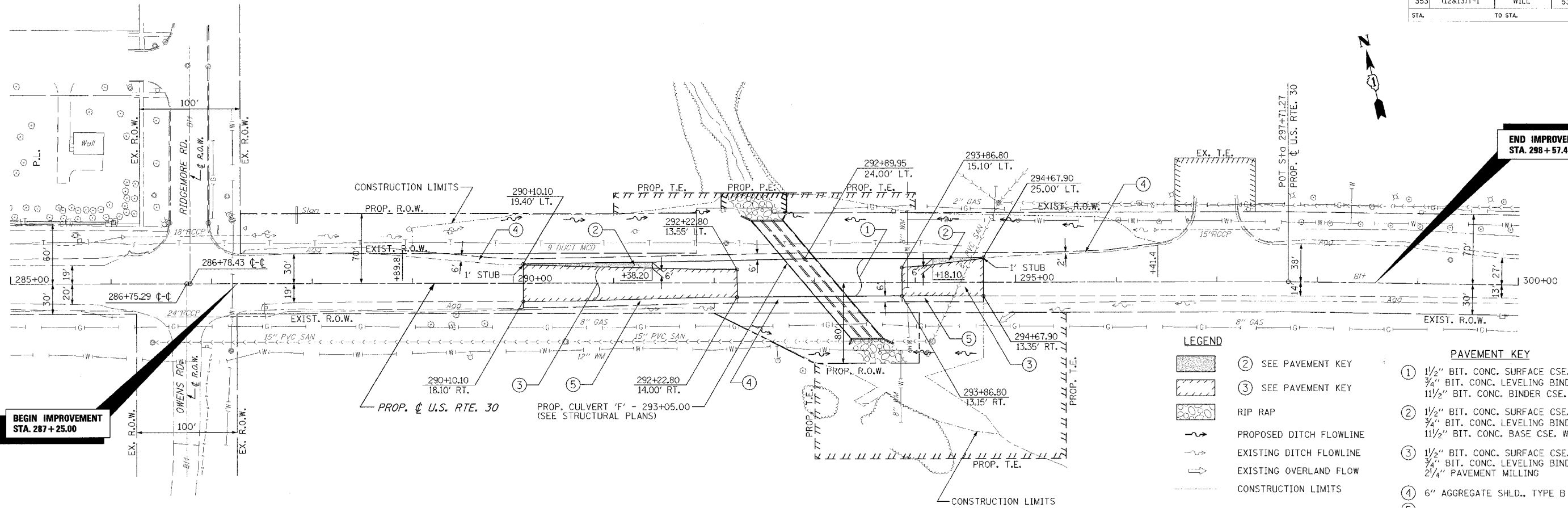
LEGEND

- PAVEMENT REMOVAL
- ITEM TO BE ADJUSTED
- ITEM TO BE RELOCATED
- ITEM TO BE RECONSTRUCTED
- TREE REMOVAL, OF THE DIAMETER SPECIFIED
- TEMPORARY FENCE

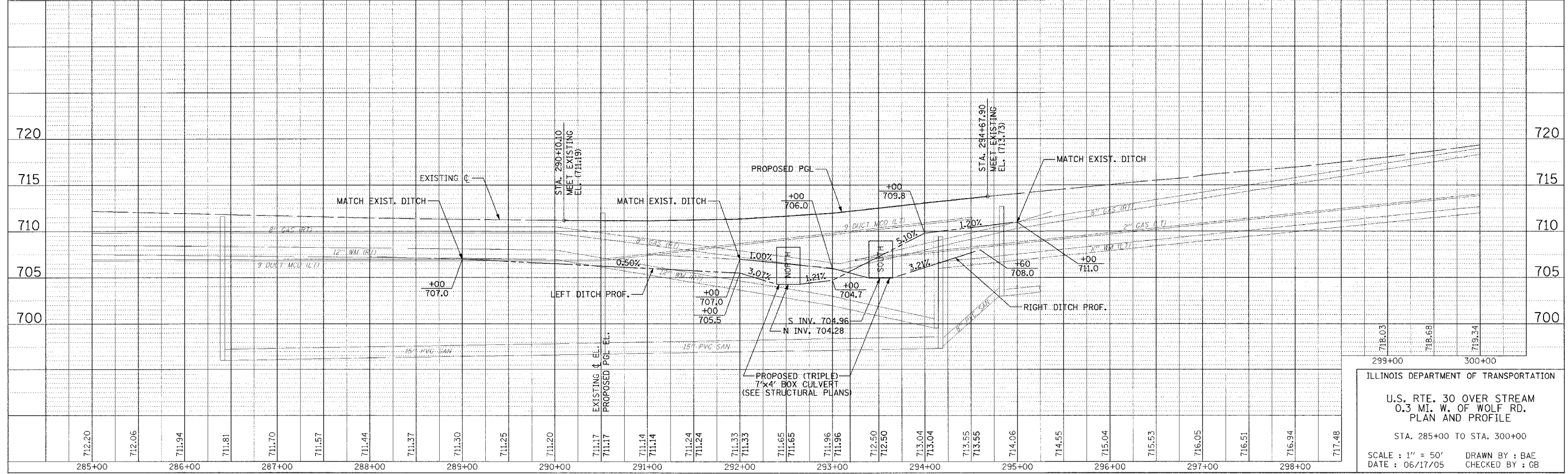
REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION
 U.S. RTE. 30 OVER STREAM
 0.3 MI. W. OF WOLF RD.
 REMOVAL PLAN
 STA. 285+00 TO STA. 300+00
 SCALE : 1" = 50' DRAWN BY : BAE
 DATE : 06/17/05 CHECKED BY : GB

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
353	(12&13)T-1	WILL	53	8
STA.	TO STA.			



- LEGEND**
- ② SEE PAVEMENT KEY
 - ③ SEE PAVEMENT KEY
 - RIP RAP
 - PROPOSED DITCH FLOWLINE
 - EXISTING DITCH FLOWLINE
 - EXISTING OVERLAND FLOW
 - CONSTRUCTION LIMITS
- PAVEMENT KEY**
- ① 1/2" BIT. CONC. SURFACE CSE.
3/4" BIT. CONC. LEVELING BINDER
1 1/2" BIT. CONC. BINDER CSE.
 - ② 1/2" BIT. CONC. SURFACE CSE.
3/4" BIT. CONC. LEVELING BINDER
1 1/2" BIT. CONC. BASE CSE. WIDENING
 - ③ 1/2" BIT. CONC. SURFACE CSE.
3/4" BIT. CONC. LEVELING BINDER
2 1/4" PAVEMENT MILLING
 - ④ 6" AGGREGATE SHLD., TYPE B
 - ⑤ AGGREGATE SHLD., TYPE B (SPECIAL)



ILLINOIS DEPARTMENT OF TRANSPORTATION

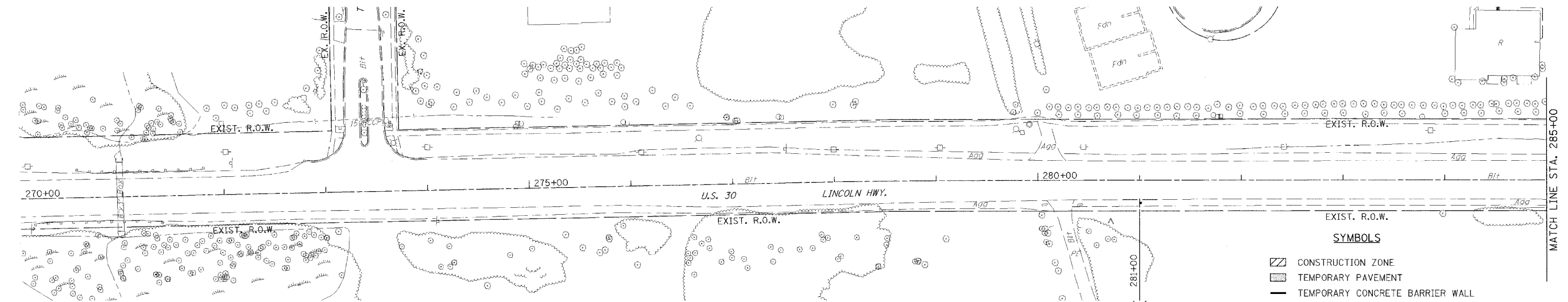
**U.S. RTE. 30 OVER STREAM
0.3 MI. W. OF WOLF RD.
PLAN AND PROFILE**

STA. 285+00 TO STA. 300+00

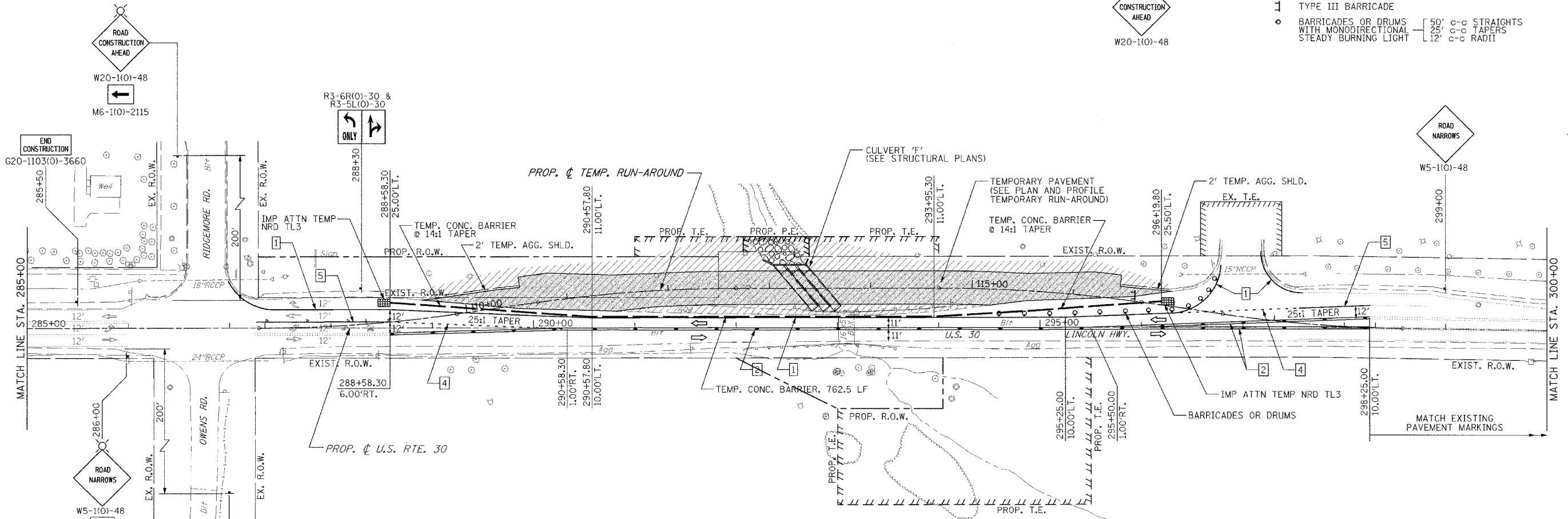
SCALE : 1" = 50'
DATE : 06/17/05

DRAWN BY : BAE
CHECKED BY : GB

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
353	(12&13)T-1	WILL	53	10
STA.	TO STA.			



- SYMBOLS**
- CONSTRUCTION ZONE
 - TEMPORARY PAVEMENT
 - TEMPORARY CONCRETE BARRIER WALL
 - IMPACT ATTENUATOR
 - VERTICAL PANELS AT 50'
 - TYPE III BARRICADE
 - BARRICADES OR DRUMS WITH MONODIRECTIONAL STEADY BURNING LIGHT
 - [50' c-c STRAIGHTS
 - [25' c-c TAPERS
 - [12' c-c RADII



PAVEMENT MARKING KEY

- 1 4" SOLID - WHITE
- 2 4" SOLID - (2) YELLOW @ 11"
- 3 12" SOLID - YELLOW @ 45° / 75° c-c
- 4 6" - WHITE 2' DASH/6' SKIP
- 5 6" SOLID - WHITE

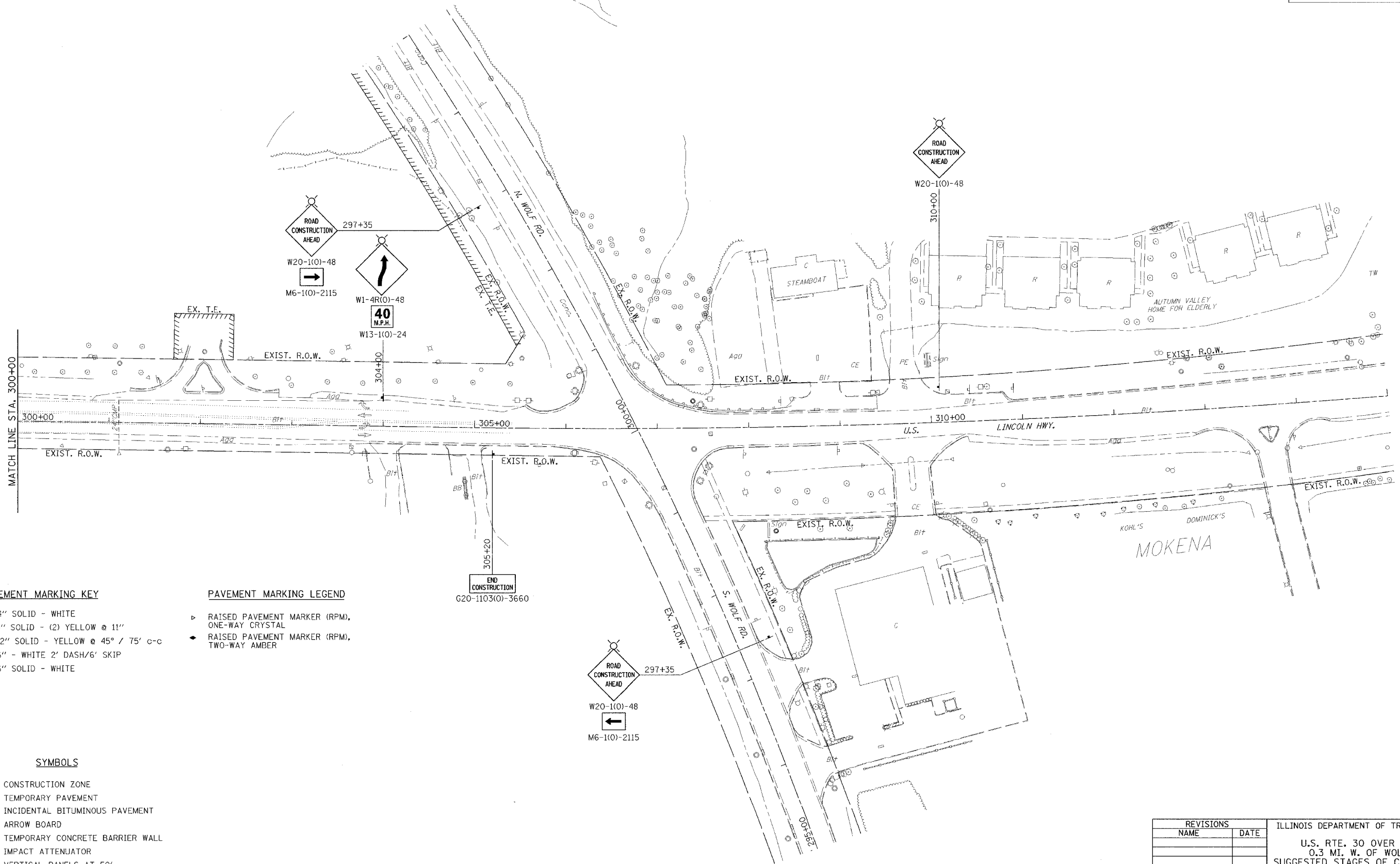
PAVEMENT MARKING LEGEND

- ▷ RAISED PAVEMENT MARKER (RPM), ONE-WAY CRYSTAL
- ◆ RAISED PAVEMENT MARKER (RPM), TWO-WAY AMBER

REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION
 U.S. RTE. 30 OVER STREAM
 0.3 MI. W. OF WOLF RD.
 SUGGESTED STAGES OF CONSTRUCTION
 AND TRAFFIC CONTROL
 STA. 270+00 TO STA. 300+00
 SCALE : 1" = 50'
 DATE : 06/17/05
 DRAWN BY : BAE
 CHECKED BY : GB

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
353	(12&13)T-1	WILL	53	11
STA.	TO STA.			



PAVEMENT MARKING KEY

- 1 4" SOLID - WHITE
- 2 4" SOLID - (2) YELLOW @ 11"
- 3 12" SOLID - YELLOW @ 45° / 75' c-c
- 4 6" - WHITE 2' DASH/6' SKIP
- 5 6" SOLID - WHITE

PAVEMENT MARKING LEGEND

- ▶ RAISED PAVEMENT MARKER (RPM), ONE-WAY CRYSTAL
- ◆ RAISED PAVEMENT MARKER (RPM), TWO-WAY AMBER

SYMBOLS

- ▨ CONSTRUCTION ZONE
- ▩ TEMPORARY PAVEMENT
- ▧ INCIDENTAL BITUMINOUS PAVEMENT
- ➡ ARROW BOARD
- TEMPORARY CONCRETE BARRIER WALL
- ▩ IMPACT ATTENUATOR
- ⊥ VERTICAL PANELS AT 50'
- ⊥ TYPE III BARRICADE
- BARRICADES OR DRUMS WITH MONODIRECTIONAL STEADY BURNING LIGHT
 - 50' c-c STRAIGHTS
 - 25' c-c TAPERS
 - 12' c-c RADII

REVISIONS		ILLINOIS DEPARTMENT OF TRANSPORTATION
NAME	DATE	
		U.S. RTE. 30 OVER STREAM 0.3 MI. W. OF WOLF RD. SUGGESTED STAGES OF CONSTRUCTION AND TRAFFIC CONTROL STA. 270+00 TO STA. 300+00 SCALE : 1" = 50' DATE : 06/17/05 DRAWN BY : BAE CHECKED BY : GB

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
353	(12&13)T-1	WILL	53	12
STA.	TO STA.			

LEGEND

CUR2 CURVE NUMBER

RIP RAP

TEMPORARY PAVEMENT SUPERPAVE
1 1/4" BIT. CONC. SURFACE CSE.
11" BIT. CONC. BASE CSE.



**END IMPROVEMENT
STA. 298 + 57.40**

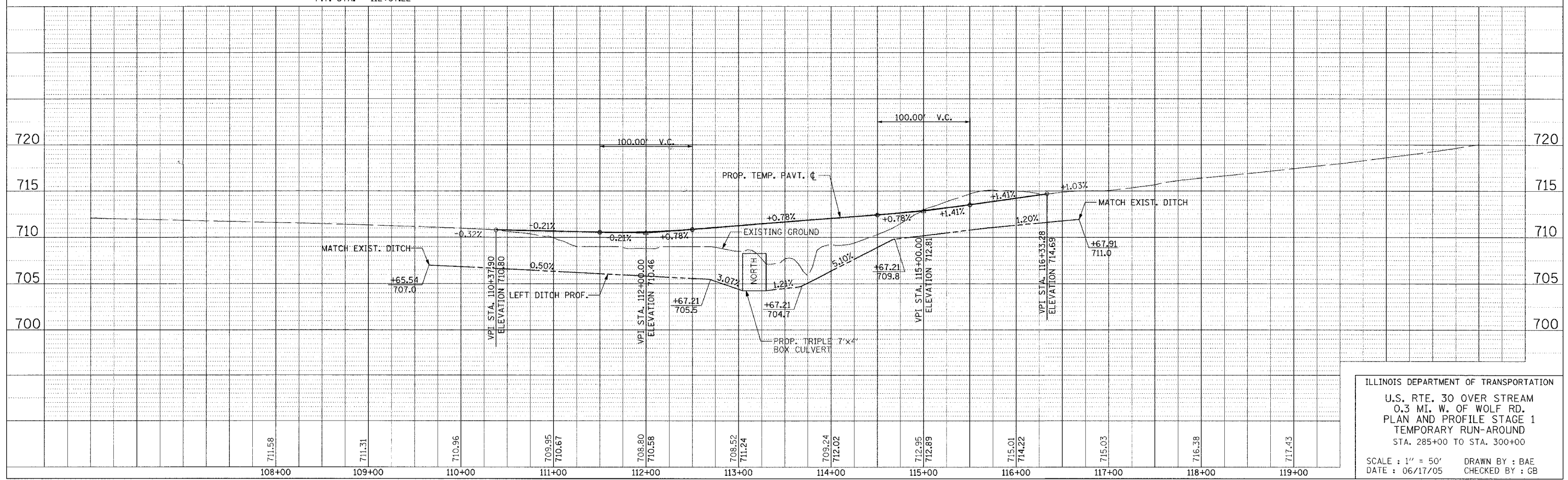
PROP. CURVE CUR1
PI STA. = 108+92.30
Δ = 8° 05' 05" (LT)
D = 4° 07' 19"
R = 1,390.00'
T = 98.23'
L = 196.13'
E = 3.47'
e = -----
T.R. = -----
S.E. RUN = -----
P.C. STA. = 107+94.07
P.T. STA. = 109+90.21

PROP. CURVE CUR2
PI STA. = 111+69.30
Δ = 8° 05' 07" (RT)
D = 4° 07' 19"
R = 1,390.00'
T = 98.24'
L = 196.15'
E = 3.47'
e = -----
T.R. = -----
S.E. RUN = -----
P.C. STA. = 110+71.07
P.T. STA. = 112+67.22

PROP. CURVE CUR3
PI STA. = 115+67.74
Δ = 8° 16' 22" (RT)
D = 4° 07' 19"
R = 1,390.00'
T = 100.52'
L = 200.70'
E = 3.63'
e = -----
T.R. = -----
S.E. RUN = -----
P.C. STA. = 114+67.22
P.T. STA. = 116+67.91

PROP. CURVE CUR4
PI STA. = 118+38.06
Δ = 7° 19' 47" (LT)
D = 4° 07' 19"
R = 1,390.00'
T = 89.03'
L = 177.82'
E = 2.85'
e = -----
T.R. = -----
S.E. RUN = -----
P.C. STA. = 117+49.03
P.T. STA. = 119+26.85

**BEGIN IMPROVEMENT
STA. 287 + 25.00**



ILLINOIS DEPARTMENT OF TRANSPORTATION
U.S. RTE. 30 OVER STREAM
0.3 MI. W. OF WOLF RD.
PLAN AND PROFILE STAGE 1
TEMPORARY RUN-AROUND
STA. 285+00 TO STA. 300+00
SCALE: 1" = 50'
DATE: 06/17/05
DRAWN BY: BAE
CHECKED BY: GB

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
353	(12&13)T-1	WILL	53	13
STA.	TO STA.			

STAGE 2 GENERAL NOTES

STAGE 2 CONSTRUCTION

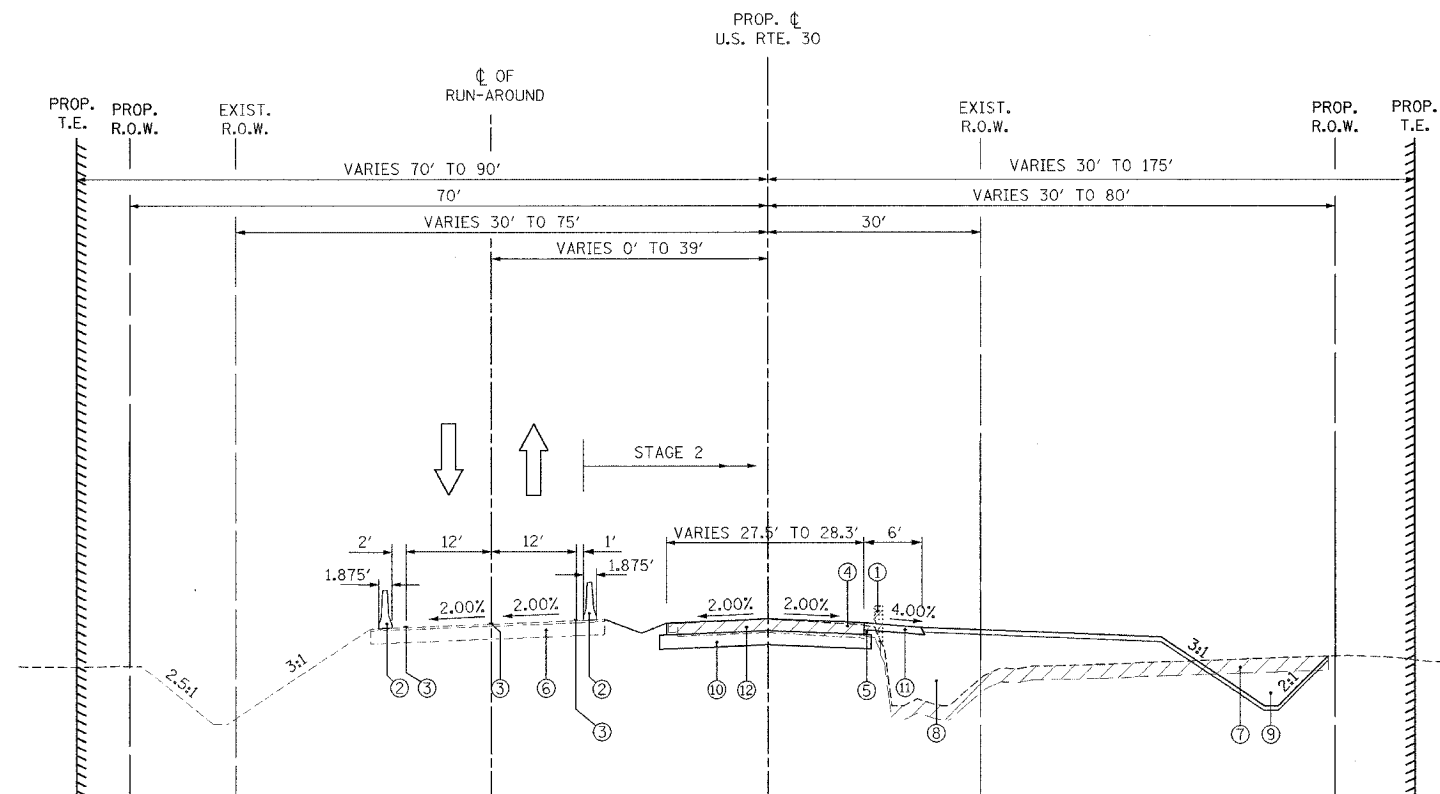
1. CONSTRUCT SOUTH HALF (RIGHT SIDE) OF PROPOSED BOX CULVERT. SEE STRUCTURAL PLANS.
2. CONSTRUCT PROPOSED PAVEMENT (SUBGRADE AND BINDER COURSE) MATCHING EXISTING PAVEMENT ON BOTH THE RIGHT AND LEFT FROM STA. 292+22.80 TO STA. 293+86.80.
3. CONSTRUCT SHOULDER FROM STA. 292+22.80 RT. TO STA. 293+86.80 RT.

STAGE 2 GENERAL NOTES

1. ALL TEMPORARY PAVEMENT MARKINGS PLACED IN STAGE 1 SHALL BE WET TEMPORARY PAVEMENT MARKING TAPE TYPE III.
2. THE CONTRACTOR SHALL PROVIDE AND MAINTAIN ACCESS TO ALL PUBLIC AND PRIVATE ENTRANCES AND TO ALL SIDEROADS AT ALL TIMES.
3. ALL TEMPORARY CONCRETE BARRIER SHALL BE ANCHORED TO THE PAVEMENT.
4. THE TEMPORARY CONCRETE BARRIER WALL SHALL HAVE TYPE C REFLECTORS MOUNTED PER 100T STANDARD 701321 AND A 6" WHITE PAINT STRIPE ALONG THE BASE OF THE BARRIER WALL. THE REFLECTORS AND PAINT STRIPE SHALL BE CONSIDERED INCIDENTAL TO THE COST OF THE TEMPORARY CONCRETE BARRIER WALL.
5. TEMPORARY SHOULDERS, AS SHOWN IN THE PLANS, SHALL BE PAID FOR AT THE CONTRACT UNIT PRICE FOR AGGREGATE SHOULDER, TYPE B, 6".
6. THE CONTRACTOR SHALL PROVIDE ALL SIGNS, VERTICAL PANELS, TYPE II BARRICADES OR DRUMS, AND ALL OTHER TRAFFIC CONTROL DEVICES NECESSARY FOR THE MAINTENANCE OF TRAFFIC, OR AS DIRECTED BY THE ENGINEER.
7. ANY REMOVAL ASSOCIATED WITH THE CONSTRUCTION OF THE INCIDENTAL BITUMINOUS PAVEMENT SHALL BE CONSIDERED INCIDENTAL TO THE COST OF THE INCIDENTAL BITUMINOUS PAVEMENT.
8. ALL SIGNS SHOWN ON THE MAINTENANCE OF TRAFFIC PLANS SHALL BE INCLUDED IN THE CONTRACT LUMP SUM PRICE FOR TRAFFIC CONTROL AND PROTECTION (SPECIAL).
9. DRIVEWAY ENTRANCE SIGNS IF REQUESTED BY THE ENGINEER SHALL BE CONSIDERED INCIDENTAL TO THE COST OF TRAFFIC CONTROL AND PROTECTION (SPECIAL).

STAGE 2 TRAFFIC

1. SHIFT TRAFFIC TO RUN-AROUND CONSTRUCTED IN STAGE 1 MAINTAINING ONE LANE IN EACH DIRECTION.



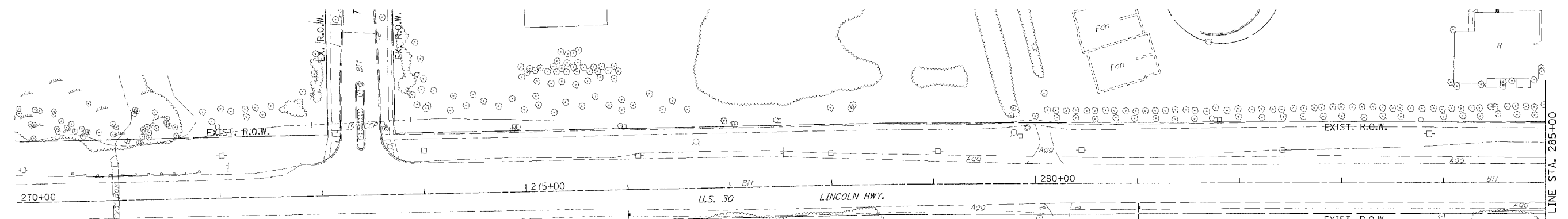
STAGE 2 TYPICAL SECTION

REMOVAL

- ① EXISTING GUARDRAIL
- ② TEMPORARY CONCRETE BARRIER
- ③ PAVEMENT MARKING TAPE TYPE III, SPECIAL
- ④ EXISTING PAVEMENT
- ⑤ EXISTING SHOULDER
- ⑥ TEMPORARY PAVEMENT, SUPERPAVE
- ⑦ REMOVAL AND DISPOSAL OF UNSUITABLE MATERIAL
- ⑧ FURNISHED EXCAVATION
- ⑨ EARTH EXCAVATION
- ⑩ AGGREGATE SUBGRADE, 12"
- ⑪ AGGREGATE SHOULDER, TYPE B, 6"
- ⑫ BITUMINOUS CONCRETE BINDER COURSE, SUPERPAVE, IL-19, N70, 1 1/2"

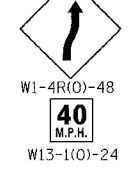
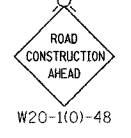
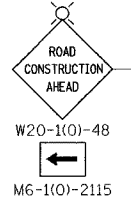
REVISIONS		ILLINOIS DEPARTMENT OF TRANSPORTATION U.S. RTE. 30 OVER STREAM 0.3 MI. W. OF WOLF RD. SUGGESTED STAGES OF CONSTRUCTION AND TRAFFIC CONTROL TYPICAL SECTIONS STA. 270+00 TO STA. 315+00
NAME	DATE	
		SCALE : 1" = NTS DATE : 06/17/05 DRAWN BY : BAE CHECKED BY : GB

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
353	(12&13)T-1	WILL	53	14
STA.	TO STA.			

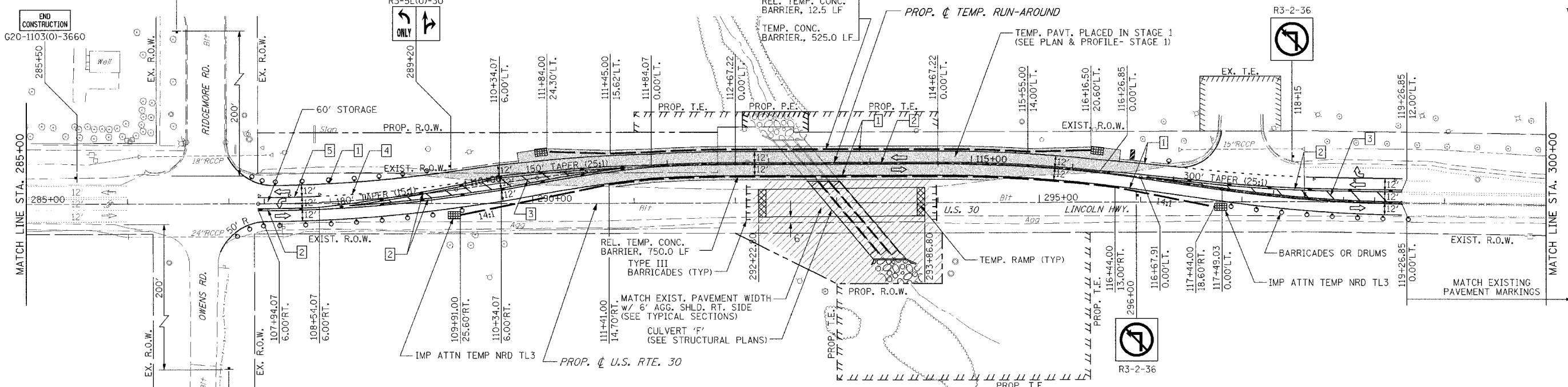


MATCH LINE STA. 285+00

- SYMBOLS**
- CONSTRUCTION ZONE
 - TEMPORARY PAVEMENT
 - TEMPORARY RAMP
 - TEMPORARY CONCRETE BARRIER WALL
 - IMPACT ATTENUATOR
 - VERTICAL PANELS AT 50'
 - TYPE III BARRICADE
 - TEMPORARY RAISED REFLECTIVE PAVEMENT MARKER
 - BARRICADES OR DRUMS WITH MONODIRECTIONAL STEADY BURNING LIGHT
 - 50' c-c STRAIGHTS
 - 25' c-c TAPERS
 - 12' c-c RADII



MATCH LINE STA. 300+00

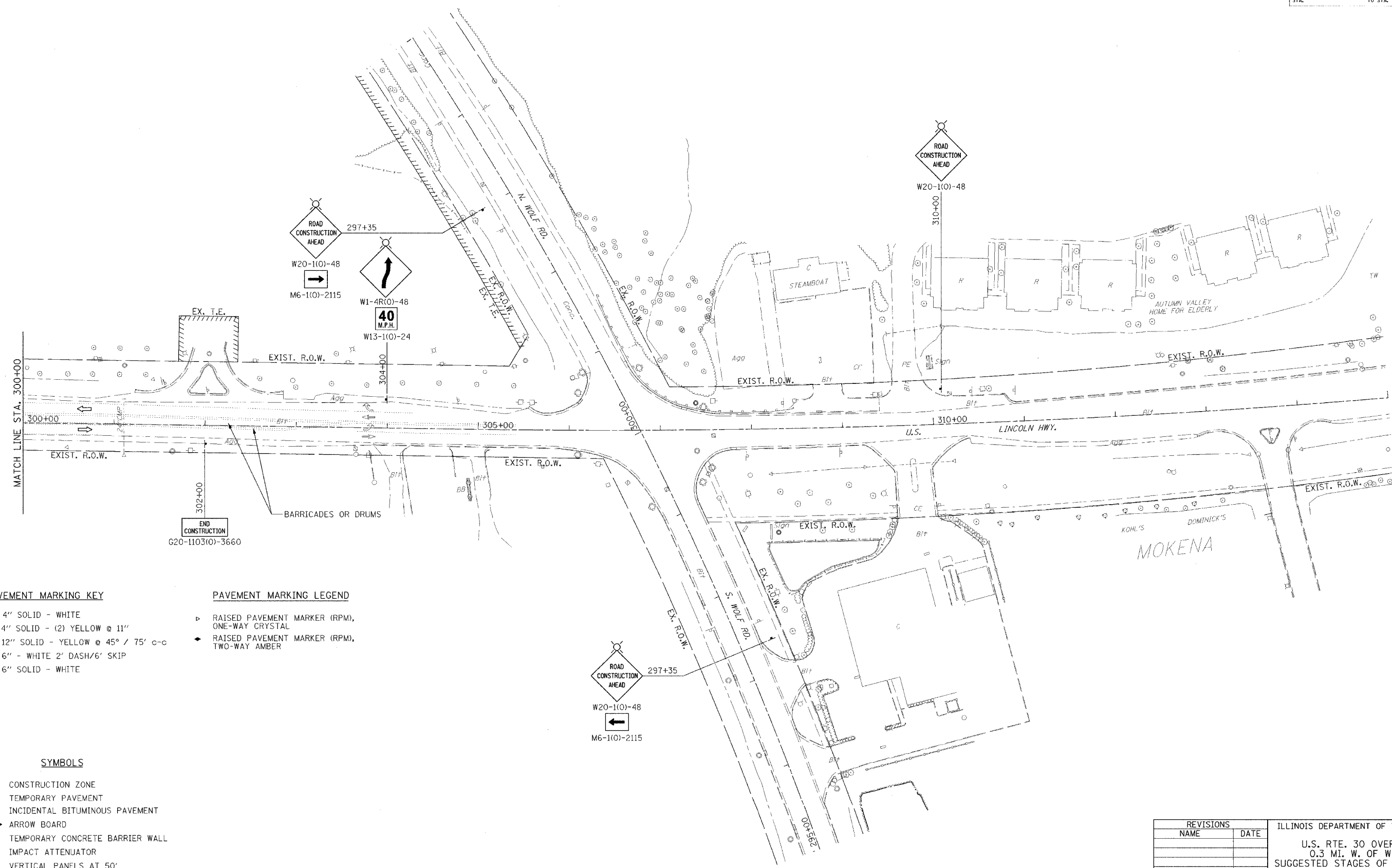


- PAVEMENT MARKING KEY**
- 1 4" SOLID - WHITE
 - 2 4" SOLID - (2) YELLOW @ 11"
 - 3 12" SOLID - YELLOW @ 45° / 75' c-c
 - 4 6" - WHITE 2' DASH/6' SKIP
 - 5 6" SOLID - WHITE

- PAVEMENT MARKING LEGEND**
- ▶ RAISED PAVEMENT MARKER (RPM), ONE-WAY CRYSTAL
 - ◆ RAISED PAVEMENT MARKER (RPM), TWO-WAY AMBER

REVISIONS		ILLINOIS DEPARTMENT OF TRANSPORTATION
NAME	DATE	
		U.S. RTE. 30 OVER STREAM 0.3 MI. W. OF WOLF RD. SUGGESTED STAGES OF CONSTRUCTION AND TRAFFIC CONTROL STA. 270+00 TO STA. 300+00 SCALE : 1" = 50' DRAWN BY : BAE DATE : 06/17/05 CHECKED BY : GB

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
353	(12&13)T-1	WILL	53	15
STA.	TO STA.			



PAVEMENT MARKING KEY

- 1 4" SOLID - WHITE
- 2 4" SOLID - (2) YELLOW @ 11"
- 3 12" SOLID - YELLOW @ 45° / 75' c-c
- 4 6" - WHITE 2' DASH/6' SKIP
- 5 6" SOLID - WHITE

PAVEMENT MARKING LEGEND

- ▷ RAISED PAVEMENT MARKER (RPM), ONE-WAY CRYSTAL
- ◄ RAISED PAVEMENT MARKER (RPM), TWO-WAY AMBER

SYMBOLS

- ▨ CONSTRUCTION ZONE
- ▩ TEMPORARY PAVEMENT
- ▧ INCIDENTAL BITUMINOUS PAVEMENT
- ➔ ARROW BOARD
- TEMPORARY CONCRETE BARRIER WALL
- ▩ IMPACT ATTENUATOR
- ▩ VERTICAL PANELS AT 50'
- ⊥ TYPE III BARRICADE
- BARRICADES OR DRUMS WITH MONODIRECTIONAL STEADY BURNING LIGHT
 - 50' c-c STRAIGHTS
 - 25' c-c TAPERS
 - 12' c-c RADII

REVISIONS		ILLINOIS DEPARTMENT OF TRANSPORTATION
NAME	DATE	
		U.S. RTE. 30 OVER STREAM 0.3 MI. W. OF WOLF RD. SUGGESTED STAGES OF CONSTRUCTION AND TRAFFIC CONTROL STA. 270+00 TO STA. 300+00 SCALE : 1" = 50' DATE : 06/17/05 DRAWN BY : BAE CHECKED BY : GB

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
353	(12&13)T-1	WILL	53	16
STA.		TO STA.		

STAGE 3 GENERAL NOTES

STAGE 3 CONSTRUCTION

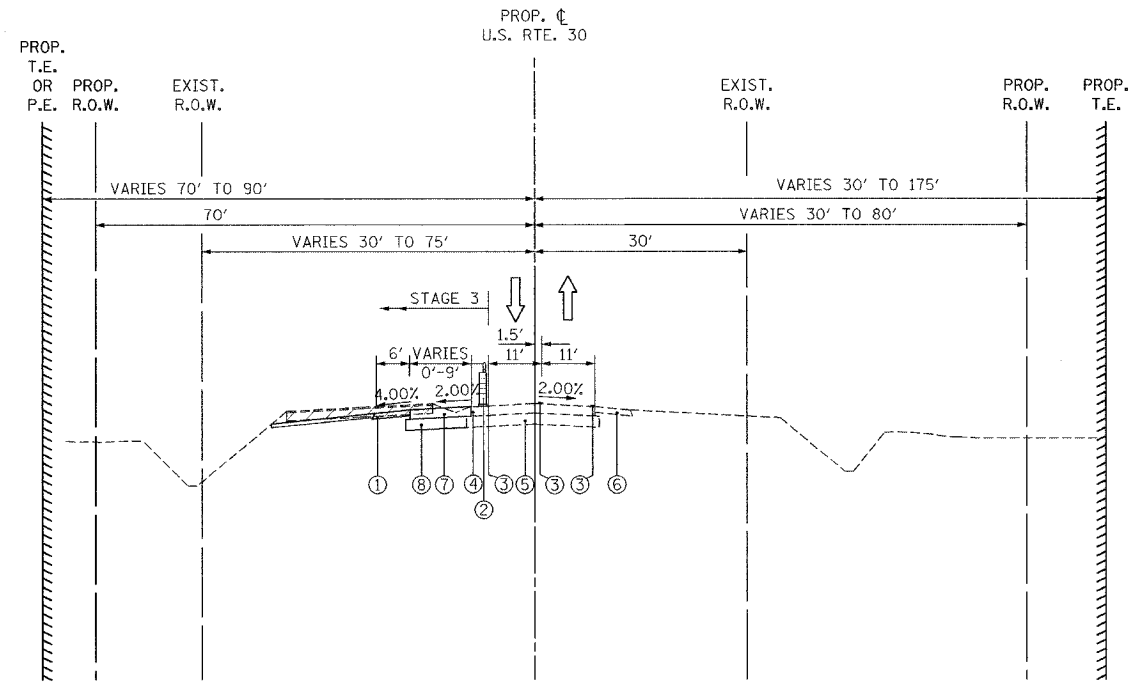
1. CONSTRUCT WESTBOUND LANE WIDENING (SUBGRADE AND BINDER COURSE) FROM STA. 290+10.10 TO STA. 294+67.90.
2. CONSTRUCT SHOULDER FROM STA. 288+89.85 LT. TO STA. 296+41.45 LT.
3. SHIFT LEFT DITCH TO FINAL LOCATION.
4. CONSTRUCT SURFACE COURSES ON ALL LANES FROM STA. 290+10.10 TO STA. 294+67.90.

STAGE 3 GENERAL NOTES

1. ALL TEMPORARY PAVEMENT MARKINGS PLACED IN STAGE 3 SHALL BE WET TEMPORARY PAVEMENT MARKING TAPE TYPE III
2. THE CONTRACTOR SHALL PROVIDE AND MAINTAIN ACCESS TO ALL PUBLIC AND PRIVATE ENTRANCES AND TO ALL SIDEROADS AT ALL TIMES.
3. THE CONTRACTOR SHALL PROVIDE ALL SIGNS, VERTICAL PANELS, TYPE II BARRICADES OR DRUMS, AND ALL OTHER TRAFFIC CONTROL DEVICES NECESSARY FOR THE MAINTENANCE OF TRAFFIC, OR AS DIRECTED BY THE ENGINEER.
4. ALL SIGNS SHOWN ON THE MAINTENANCE OF TRAFFIC PLANS SHALL BE INCLUDED IN THE CONTRACT LUMP SUM PRICE FOR TRAFFIC CONTROL AND PROTECTION (SPECIAL).

STAGE 3 TRAFFIC

1. SHIFT TRAFFIC TO STAGE 3 MAINTENANCE OF TRAFFIC AS SHOWN IN THE PLANS.
1. CLOSE LANES AS NECESSARY TO RESURFACE U.S. ROUTE 30 FROM STA. 290+10.10 TO STA. 294+67.90. USE IDOT TRAFFIC CONTROL STANDARD 701306.



STAGE 3 TYPICAL SECTION

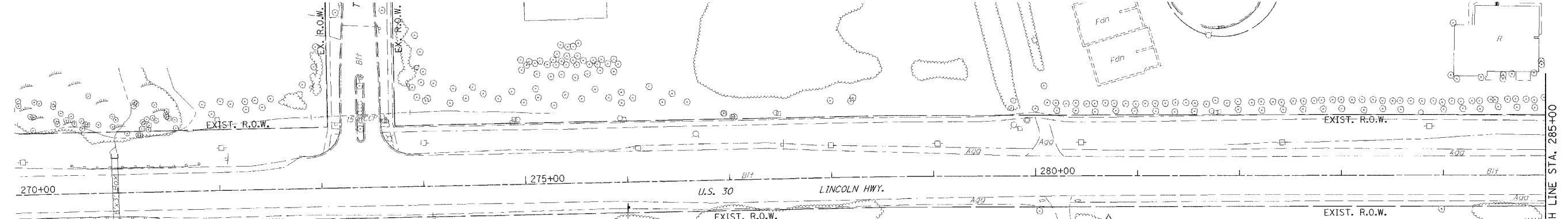
REMOVAL

- ① PROPOSED AGGREGATE SHOULDER, TYPE B, 6"
- ② BARRICADES OR DRUMS
- ③ PAVEMENT MARKING TAPE TYPE III, SPECIAL
- ④ CONSTRUCTED BITUMINOUS CONCRETE BINDER COURSE, SUPERPAVE, IL-19, N70, 11½"
- ⑤ CONSTRUCTED AGGREGATE SUBGRADE, 12"
- ⑥ CONSTRUCTED AGGREGATE SHOULDER, TYPE B, 6"
- ⑦ BITUMINOUS BASE COURSE, WIDENING, SUPERPAVE, 11½"
- ⑧ AGGREGATE SUBGRADE, 12"

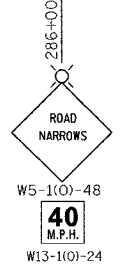
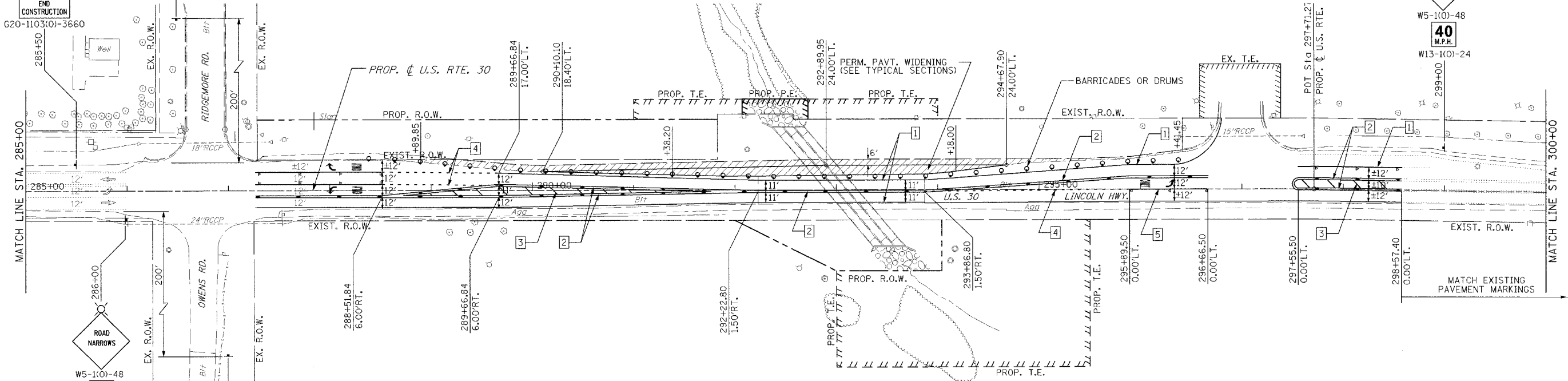
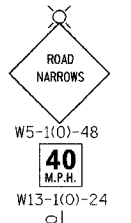
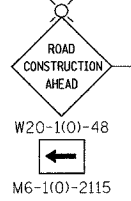
REVISIONS		ILLINOIS DEPARTMENT OF TRANSPORTATION U.S. RTE. 30 OVER STREAM 0.3 MI. W. OF WOLF RD. SUGGESTED STAGES OF CONSTRUCTION AND TRAFFIC CONTROL TYPICAL SECTIONS STA. 270+00 TO STA. 315+00
NAME	DATE	

SCALE : 1" = NTS DRAWN BY : BAE
DATE : 06/17/05 CHECKED BY : GB

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
353	(12&13)T-1	WILL	53	17
STA.	TO STA.			



- SYMBOLS**
- CONSTRUCTION ZONE
 - TEMPORARY CONCRETE BARRIER WALL
 - IMPACT ATTENUATOR
 - VERTICAL PANELS AT 50'
 - TYPE III BARRICADE
 - BARRICADES OR DRUMS WITH MONODIRECTIONAL STEADY BURNING LIGHT
 - 50' c-c STRAIGHTS
 - 25' c-c TAPERS
 - 12' c-c RADIUS



PAVEMENT MARKING KEY

- 1 4" SOLID - WHITE
- 2 4" SOLID - (2) YELLOW @ 11"
- 3 12" SOLID - YELLOW @ 45° / 75° c-c
- 4 6" - WHITE 2' DASH/6' SKIP
- 5 6" SOLID - WHITE

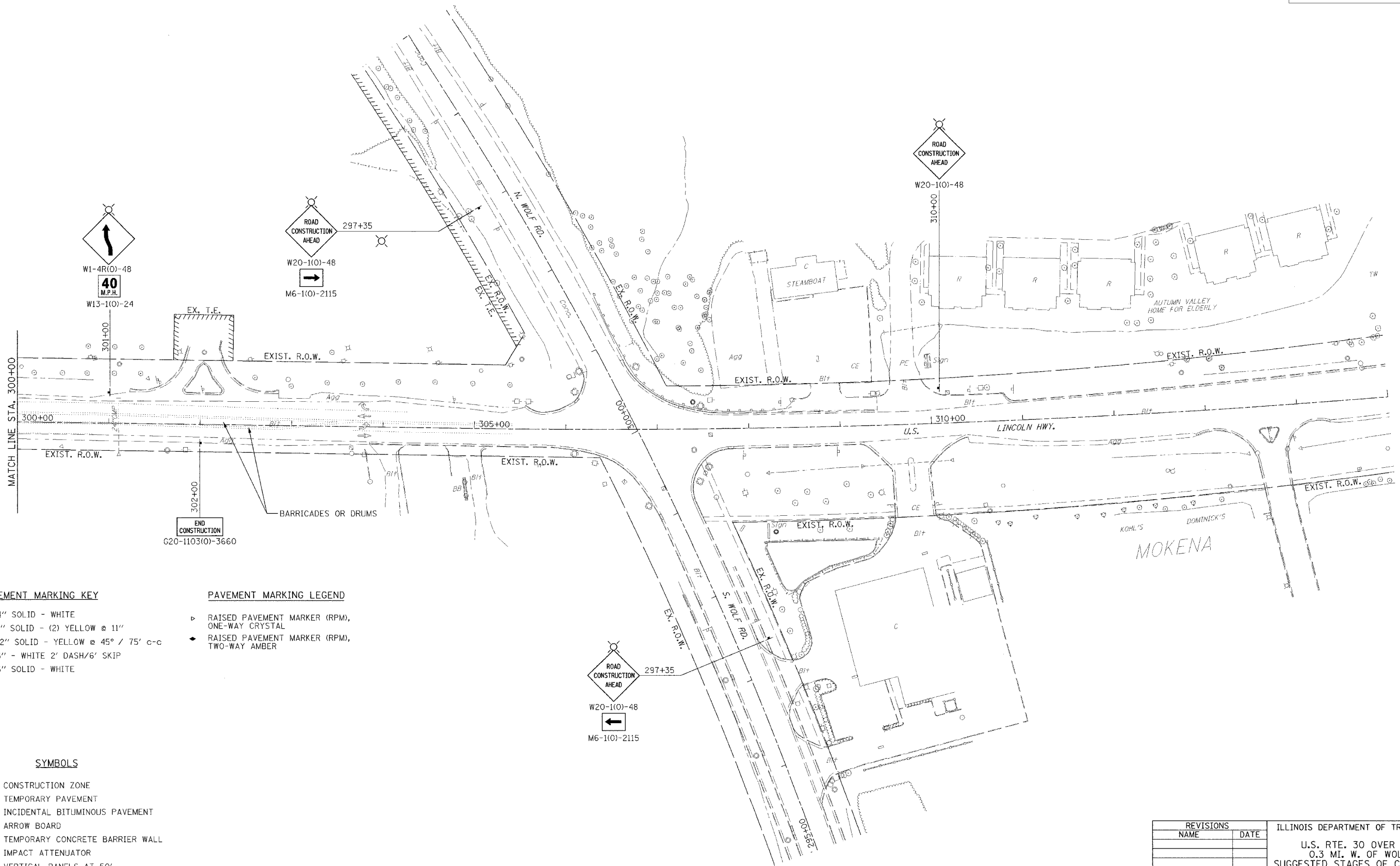
PAVEMENT MARKING LEGEND

- ▶ RAISED PAVEMENT MARKER (RPM), ONE-WAY CRYSTAL
- ◆ RAISED PAVEMENT MARKER (RPM), TWO-WAY AMBER

REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION
 U.S. RTE. 30 OVER STREAM
 0.3 MI. W. OF WOLF RD.
 SUGGESTED STAGES OF CONSTRUCTION
 AND TRAFFIC CONTROL
 STA. 270+00 TO STA. 300+00
 SCALE : 1" = 50' DRAWN BY : BAE
 DATE : 06/17/05 CHECKED BY : GB

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
353	(12&13)T-1	WILL	53	18
STA.	TO STA.			



PAVEMENT MARKING KEY

- 1 4" SOLID - WHITE
- 2 4" SOLID - (2) YELLOW @ 11"
- 3 12" SOLID - YELLOW @ 45° / 75' c-c
- 4 6" - WHITE 2' DASH/6' SKIP
- 5 6" SOLID - WHITE

PAVEMENT MARKING LEGEND

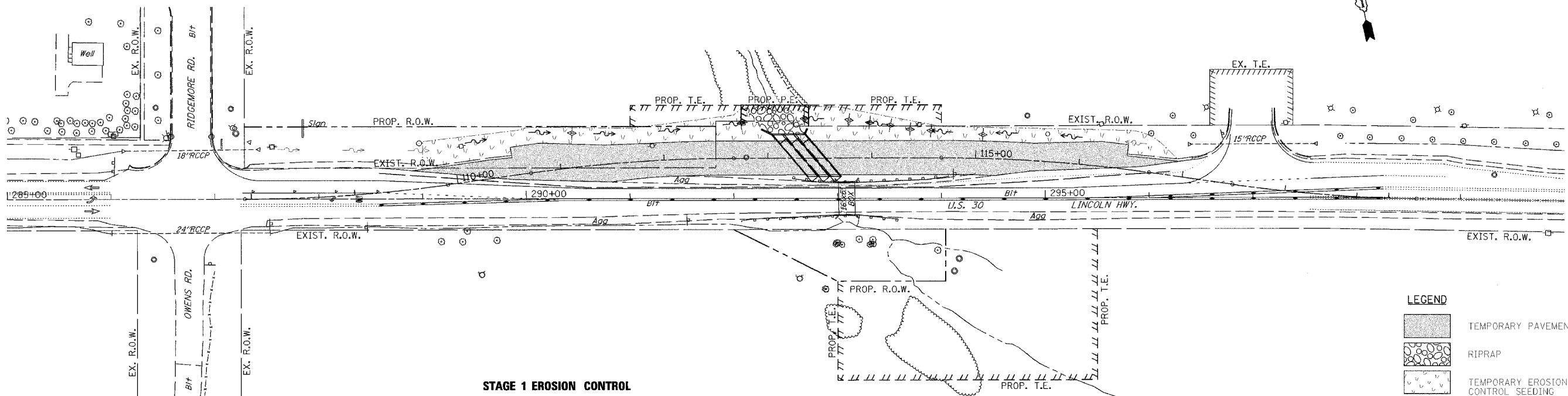
- ▷ RAISED PAVEMENT MARKER (RPM), ONE-WAY CRYSTAL
- ◆ RAISED PAVEMENT MARKER (RPM), TWO-WAY AMBER

SYMBOLS

- ▨ CONSTRUCTION ZONE
- ▩ TEMPORARY PAVEMENT
- ▧ INCIDENTAL BITUMINOUS PAVEMENT
- ➔ ARROW BOARD
- TEMPORARY CONCRETE BARRIER WALL
- ▩ IMPACT ATTENUATOR
- ▩ VERTICAL PANELS AT 50'
- T TYPE III BARRICADE
- BARRICADES OR DRUMS WITH MONODIRECTIONAL STEADY BURNING LIGHT
 - 50' c-c STRAIGHTS
 - 25' c-c TAPERS
 - 12' c-c RADII

REVISIONS		ILLINOIS DEPARTMENT OF TRANSPORTATION
NAME	DATE	
		U.S. RTE. 30 OVER STREAM 0.3 MI. W. OF WOLF RD. SUGGESTED STAGES OF CONSTRUCTION AND TRAFFIC CONTROL STA. 270+00 TO STA. 300+00 SCALE : 1" = 50' DATE : 06/17/05 DRAWN BY : BAE CHECKED BY : GB

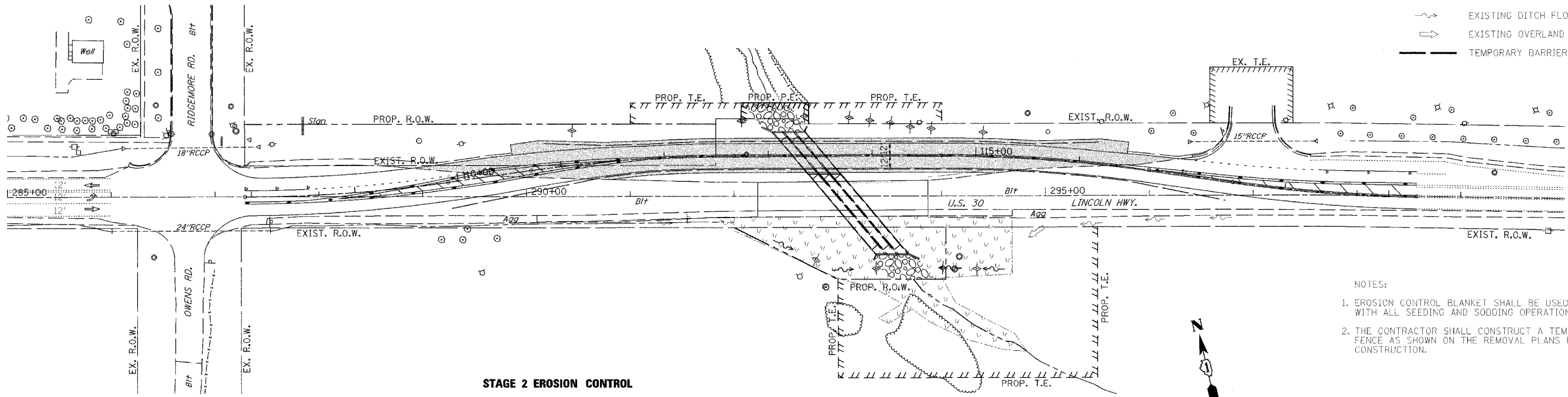
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
353	(12&13)T-1	WILL	53	19
STA.	TO STA.			



STAGE 1 EROSION CONTROL

LEGEND

	TEMPORARY PAVEMENT
	RIPRAP
	TEMPORARY EROSION CONTROL SEEDING
	PERIMETER EROSION BARRIER
	DITCH CHECK TEMPORARY
	CLEARING AND GRADING LIMITS
	PROPOSED DITCH FLOWLINE
	EXISTING DITCH FLOWLINE
	EXISTING OVERLAND FLOW
	TEMPORARY BARRIER WALL



STAGE 2 EROSION CONTROL

- NOTES:
1. EROSION CONTROL BLANKET SHALL BE USED WITH ALL SEEDING AND SODDING OPERATIONS.
 2. THE CONTRACTOR SHALL CONSTRUCT A TEMPORARY FENCE AS SHOWN ON THE REMOVAL PLANS PRIOR TO CONSTRUCTION.

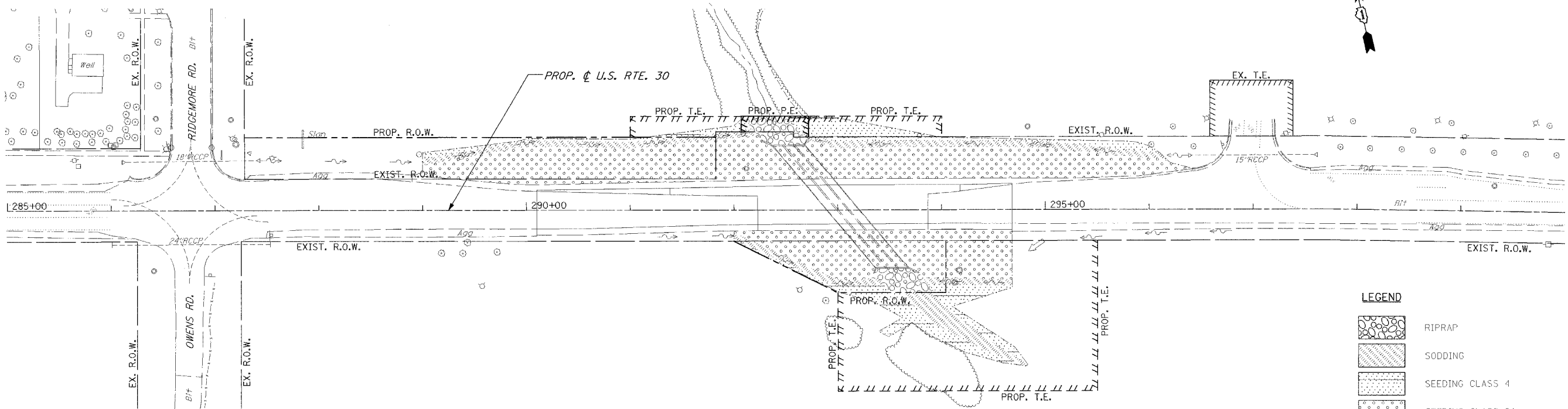


REVISIONS		ILLINOIS DEPARTMENT OF TRANSPORTATION
NAME	DATE	
		U.S. RTE. 30 OVER STREAM 0.3 MI. W. OF WOLF RD. EROSION CONTROL PLANS STAGES 1 & 2 STA. 270+00 TO STA. 300+00 SCALE : 1" = 50' DATE : 06/17/05

DRAWN BY : BAE
CHECKED BY : GB

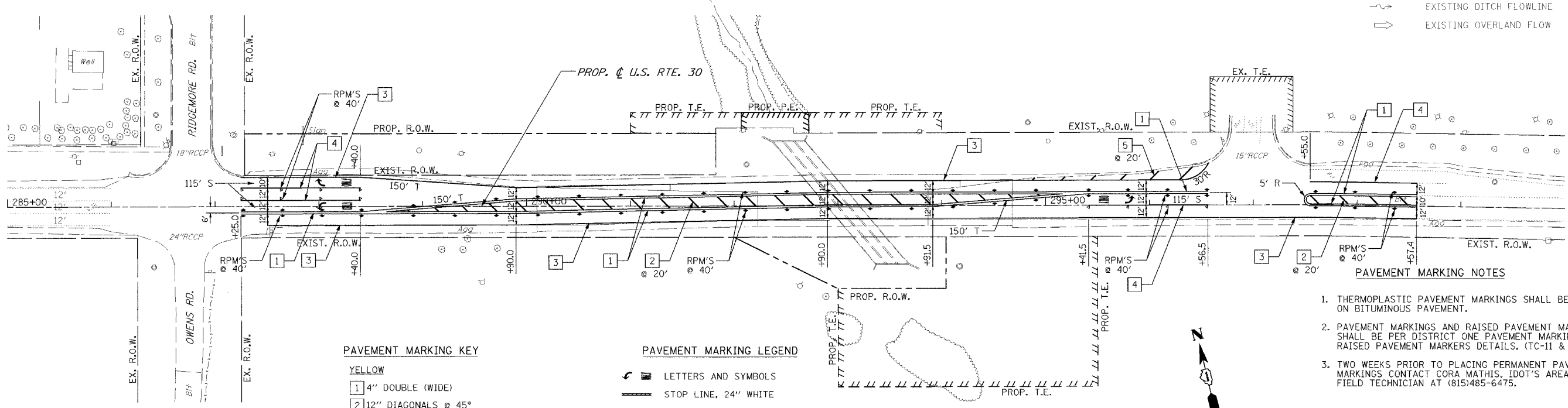
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
353	(12&13)T-1	WILL	53	20
STA.	TO STA.			

NOTE:
EROSION CONTROL BLANKET SHALL BE USED WITH ALL SEEDING AND SODDING OPERATIONS.



LEGEND

- RIPRAP
- SODDING
- SEEDING CLASS 4
- SEEDING CLASS 2A
- CLEARING AND GRADING LIMITS
- PROPOSED DITCH FLOWLINE
- EXISTING DITCH FLOWLINE
- EXISTING OVERLAND FLOW



PAVEMENT MARKING NOTES

1. THERMOPLASTIC PAVEMENT MARKINGS SHALL BE APPLIED ON BITUMINOUS PAVEMENT.
2. PAVEMENT MARKINGS AND RAISED PAVEMENT MARKERS SHALL BE PER DISTRICT ONE PAVEMENT MARKING AND RAISED PAVEMENT MARKERS DETAILS. (TC-11 & TC-13)
3. TWO WEEKS PRIOR TO PLACING PERMANENT PAVEMENT MARKINGS CONTACT CORA MATHIS, IDOT'S AREA TRAFFIC FIELD TECHNICIAN AT (815)485-6475.

PAVEMENT MARKING KEY

- YELLOW**
- 1 4" DOUBLE (WIDE)
 - 2 12" DIAGONALS @ 45°
- WHITE**
- 3 4" SOLID
 - 4 6" SOLID
 - 5 12" DIAGONALS @ 45°

PAVEMENT MARKING LEGEND

- LETTERS AND SYMBOLS
- STOP LINE, 24" WHITE
- RAISED PAVEMENT MARKER (RPM), ONE-WAY CRYSTAL
- RAISED PAVEMENT MARKER (RPM), ONE-WAY AMBER
- RAISED PAVEMENT MARKER (RPM), TWO-WAY AMBER
- 240' T LENGTH OF TAPER
- 205' S LENGTH OF STORAGE

REVISIONS		ILLINOIS DEPARTMENT OF TRANSPORTATION U.S. RTE. 30 OVER STREAM 0.3 MI. W. OF WOLF RD. LANDSCAPING & PAVEMENT MARKING PLANS STA. 270+00 TO STA. 300+00
NAME	DATE	
		SCALE : 1" = 50' DATE : 06/17/05 DRAWN BY : BAE CHECKED BY : GB

BENCH MARK: BM 226
STA. 287+87.64, 25.4' RT., EL. 710.578
3/4" DIA. IRON ROD AT EDGE OF SOUTHERLY STONE
SHOULDER OF ROUTE 30, 1'-100" EAST OF THE 16TH
AVENUE CENTERLINE.
EXISTING STRUCTURE: NO. 099-4637
SINGLE 18'-0" x 5'-0" x 32'-0" CONCRETE BOX CULVERT.
NO SALVAGE.
PROPOSED IMPROVEMENTS:
EXISTING STRUCTURE TO BE REMOVED AND
REPLACED WITH A TRIPLE 7'-0" x 4'-0" BOX
CULVERT IN STAGES MAINTAINING TWO LANES
OF TRAFFIC.

STATION 293+05.00
BUILT 200 BY
STATE OF ILLINOIS
FAP 353 SECT. (12 & 13) T-1
LOADING HS20
STR. NO. 099-4661

NAME PLATE

NOTE: SEE STANDARD DRAWING 515001
FOR NAME PLATE DETAILS.

DESIGN SPECIFICATIONS

AASHTO 2002 SPECIFICATIONS WITH INTERIMS.

LOADING HS20-44

ALLOW 50"/SQ.FT. FOR FUTURE WEARING SURFACE.

DESIGN STRESSES

FIELD UNITS

f'c = 3,500 PSI
fy = 60,000 PSI (REINFORCEMENT)

PRECAST UNITS

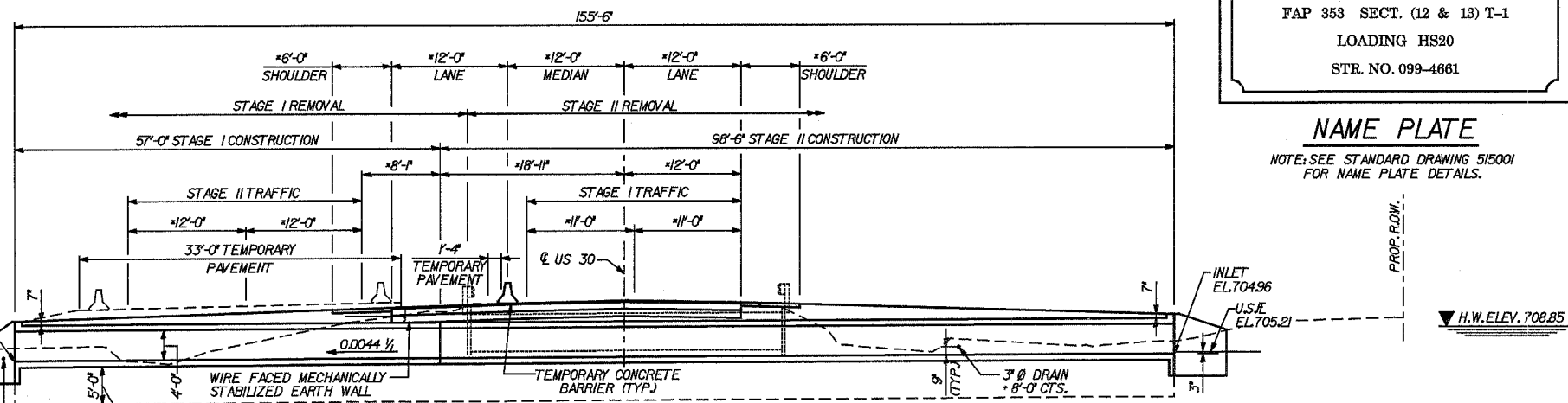
f'c = 5,000 PSI
fy = 60,000 PSI (REINFORCEMENT)

TOTAL BILL OF MATERIALS

ITEM	UNIT	QUANTITY
CONCRETE BOX CULVERTS	CU. YD.	55.9
PRECAST CONCRETE BOX CULVERT 7' x 4'	FOOT	40.4
REINFORCEMENT BARS	POUND	9,055
NAME PLATES	EACH	1
REMOVAL OF EXISTING STRUCTURES	EACH	1
TEMPORARY SHEET PILING	SQ. FT.	3,845
STONE RIPRAP, CLASS A3	TON	140
FILTER FABRIC	SQ. YD.	251
REMOVAL AND DISPOSAL OF UNSUITABLE MATERIAL	CU. YD.	1,110
POROUS GRANULAR BACKFILL	CU. YD.	2,615
WIRE FACED MECHANICALLY STABILIZED EARTH WALL	SQ. FT.	70

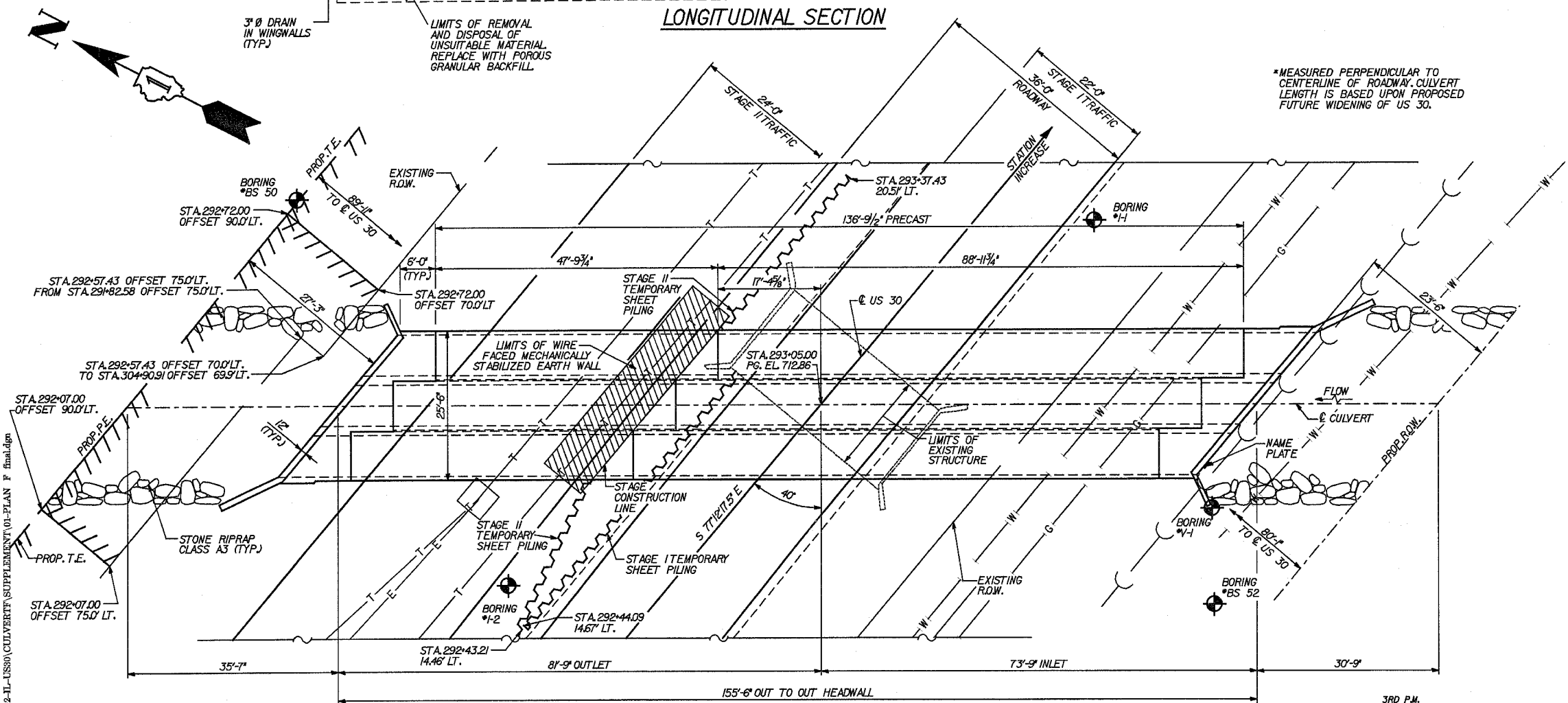
GENERAL NOTES

- REINFORCEMENT BARS SHALL CONFORM TO THE REQUIREMENTS OF AASHTO M-31, M-42 OR M-53 GRADE 60.
- A DISTANCE NOT LESS THAN 6'-0" OF THE BARREL SHALL BE POURED MONOLITHICALLY WITH THE WING WALLS.
- EXPOSED EDGES SHALL HAVE A 3/4" CHAMFER.
- IN ACCORDANCE WITH ARTICLE 5400.4 OF THE STANDARD SPECIFICATIONS, IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO DIVERT STREAM FLOW DURING CONSTRUCTION IN ORDER TO KEEP THE CONSTRUCTION AREAS FREE OF WATER. THE METHOD OF WATER DIVERSION SHALL BE SUBJECT TO THE APPROVAL OF THE ENGINEER AND THE COST SHALL BE INCLUDED WITH "REMOVAL OF EXISTING STRUCTURES". CLEAN FILL (GRANULAR) MATERIAL WILL ONLY BE ALLOWED.
- IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO OBTAIN ANY NECESSARY PERMITS FOR CULVERT CONSTRUCTION.
- STRUCTURE EXCAVATION REQUIRED FOR CONSTRUCTION OF THE PROPOSED BOX CULVERT SHALL BE INCLUDED IN THE BID ITEM "POROUS GRANULAR BACKFILL".
- UNDERCUT AND REPLACEMENT QUANTITIES HAVE BEEN PROVIDED FOR UNSTABLE SOILS THOUGHT TO BE PRESENT UNDER THE SOUTHERN END OF THE PROPOSED CULVERT BASED ON BORING B-52. THE PRESENCE OF THE POOR SOILS WILL BE VERIFIED BY THE ENGINEER AND SOILS INSPECTOR DURING CONSTRUCTION ONCE THE AREA HAS BEEN CLEARED.
- THE PRECAST CONCRETE BOX CULVERT SHALL CONFORM TO THE REQUIREMENTS OF AASHTO M259 (DESIGN FILL HEIGHT - 2'-0")



LONGITUDINAL SECTION

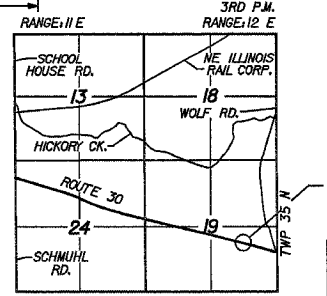
*MEASURED PERPENDICULAR TO CENTERLINE OF ROADWAY, CULVERT LENGTH IS BASED UPON PROPOSED FUTURE WIDENING OF US 30.



PLAN

WATERWAY INFORMATION										
DRAINAGE AREA (SQ. MI) - 0.60		LOW GRADE ELEV. (FEET) EXIST - 710.42 @ STA. 291+20				MAX. RECORDED H.W.E. -				
		PROPOSED - 712.75 @ STA. 292+44								
FLOOD	FREQ. YR.	DISCHARGE C.F.S.	WATERWAY OPENING		NATURAL H.W.E.		CREATED HEAD		HEADWATER ELEVATION	
			EXISTING (square feet)	PROPOSED (square feet)	EXISTING U/S Face	PROPOSED U/S Face	EXISTING (feet)	PROPOSED (feet)	EXISTING	PROPOSED
DESIGN	10	98	4573	6531	708.48	708.32	0.54	0.09	709.02	708.41
BASE	50	144	53.01	76.44	708.95	708.85	0.41	0.00	709.36	708.85
MAX. CALC.	100	162	54.71	80.22	709.06	709.03	0.40	0.00	709.46	709.03
OVERTOPPING	500	205	57.20	84.00	709.22	709.25	0.55	0.00	709.77	709.25

DESIGNED	ASP
CHECKED	CDS
DRAWN	BEM
CHECKED	ASP



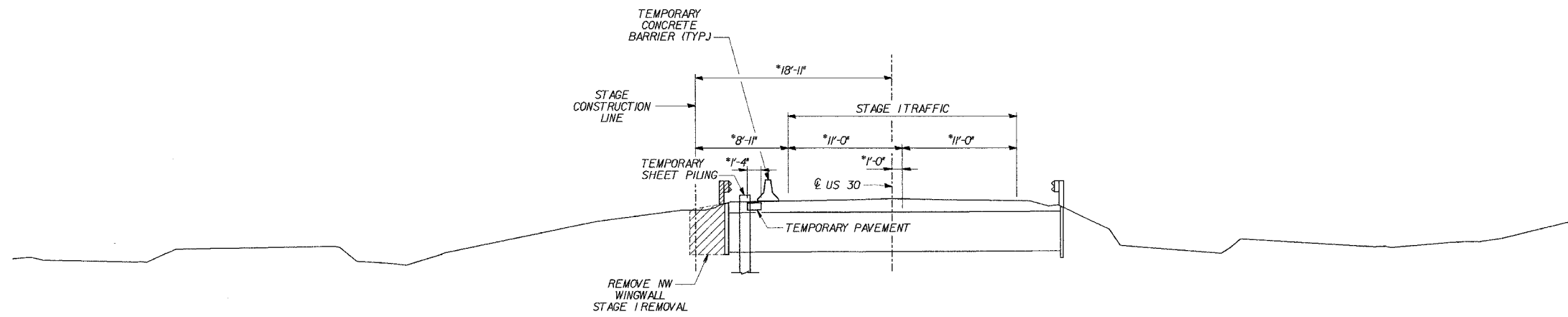
LOCATION SKETCH

REVISIONS	
NAME	DATE

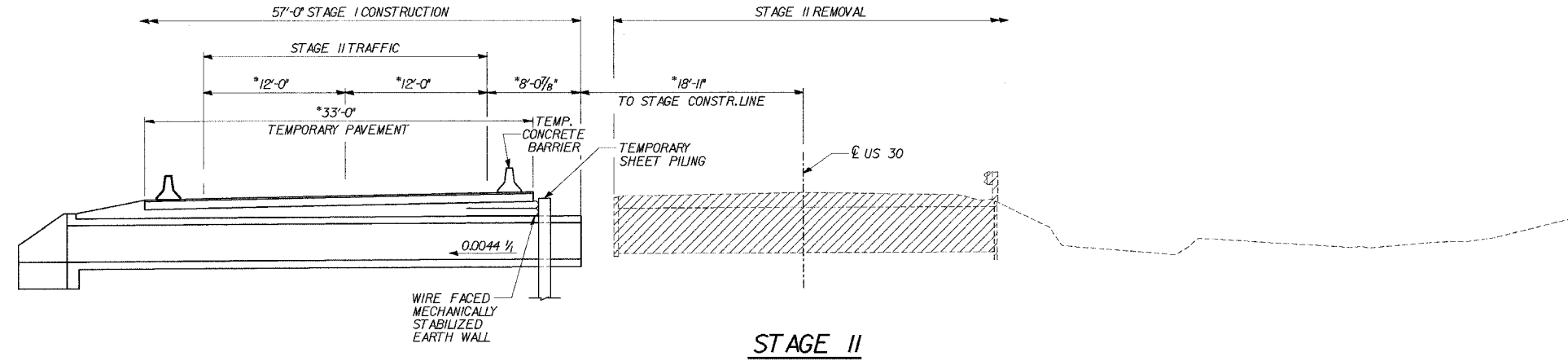
U.S. 30 OVER STREAM
0.3 MILES W. OF WOLF RD.
GENERAL PLAN
U.S. ROUTE 30 (LINCOLN HIGHWAY)
F.A.P. 353 (U.S. 30)
SECTION (12 & 13) T-1
STATION 293+05.00
WILL COUNTY
STRUCTURE NUMBER 099-4661

ROUTE NO.		SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
FAP 353		*	WILL	53	22

* SECT. (12 & 13) T-1



STAGE I

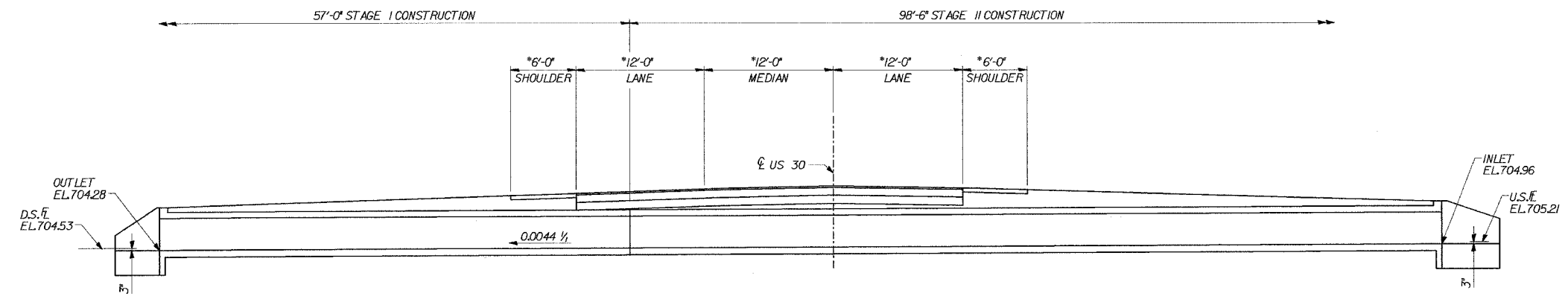


STAGE II

PROPOSED STAGING NOTES

- STAGE I REMOVAL & CONSTRUCTION**
1. MAINTAIN TWO (2) LANES OF TRAFFIC.
 2. INSTALL TEMPORARY CONCRETE BARRIER AND REMOVE NORTH SIDE GUARDRAIL.
 3. INSTALL STAGE I TEMPORARY SHEET PILING AS SHOWN.
 4. REMOVE NW WING.
 5. CONSTRUCT STAGE I PORTION OF THE STRUCTURE.
 6. INSTALL STAGE II TEMPORARY SHEET PILING.
 7. CONSTRUCT ROADWAY PAVEMENT.
- STAGE II REMOVAL & CONSTRUCTION**
1. INSTALL TEMPORARY CONCRETE BARRIER.
 2. REMOVE EXISTING STRUCTURE.
 3. CONSTRUCT STAGE II PORTION OF THE STRUCTURE.
 4. CONSTRUCT ROADWAY PAVEMENT.

* MEASURED PERPENDICULAR TO CENTERLINE OF ROADWAY.



FINAL CROSS SECTION

LEGEND

REMOVAL OF EXISTING STRUCTURES

DESIGNED	ASP
CHECKED	CDS
DRAWN	BEM
CHECKED	ASP

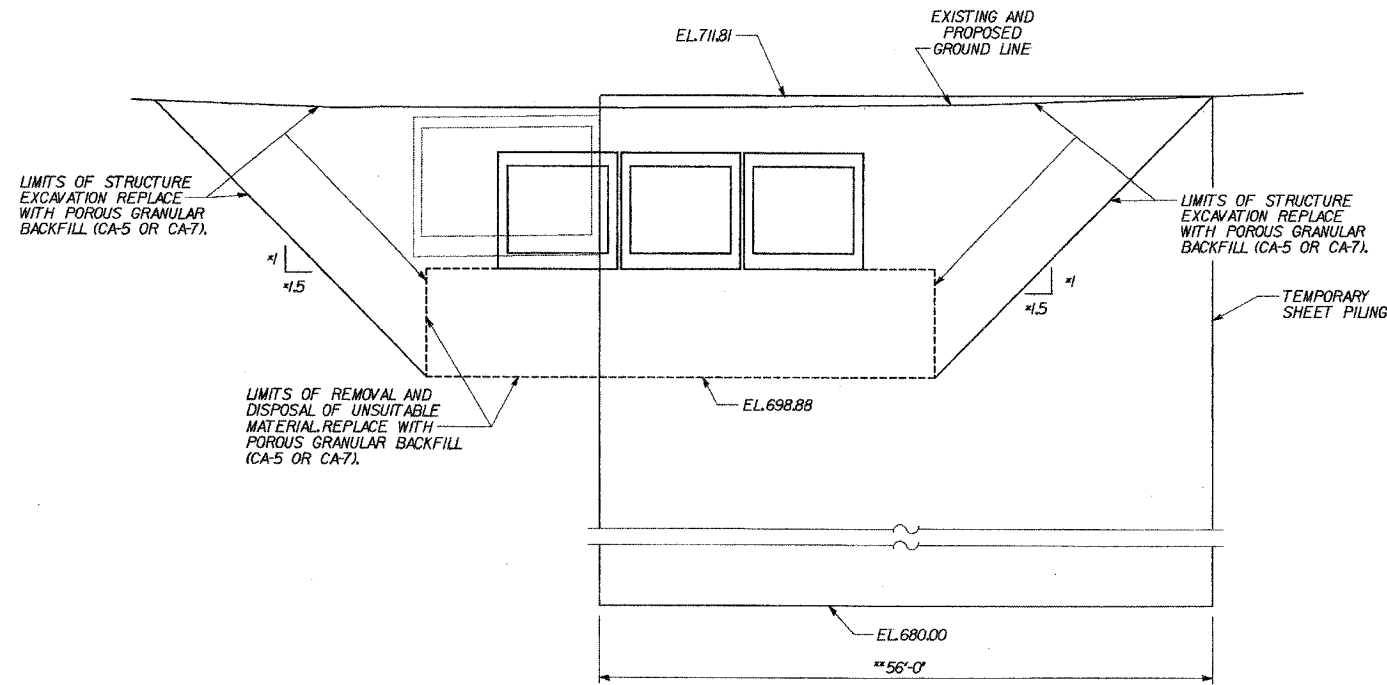
REVISIONS	
NAME	DATE

U.S. 30 OVER STREAM
0.3 MILES W.OF WOLF RD.
PROPOSED STAGE PLANNING
 U.S. ROUTE 30 (LINCOLN HIGHWAY)
 F.A.P. 353 (U.S. 30)
 SECTION (12 & 13) T-1
 STATION 293+05.00
 WILL COUNTY
 STRUCTURE NUMBER 099-4661

09-Jun-2006 16:55 s:\Dept\Structures\0650002-IL-US30\CULVERTY\SUPPLEMENT\02-STAGING-A-F.dgn

ROUTE NO. SECTION		COUNTY	TOTAL SHEETS	SHEET NO.
FAP 353 *		WILL	53	23

* SBC 02 & 10 T-1



STAGE I TEMPORARY SHEET PILING

(LOOKING SOUTH)
* DENOTES PERPENDICULAR TO ϕ OF CULVERT
** MEASURED ALONG ϕ OF PILING

**PROPOSED
TEMPORARY SHEET PILING DATA**

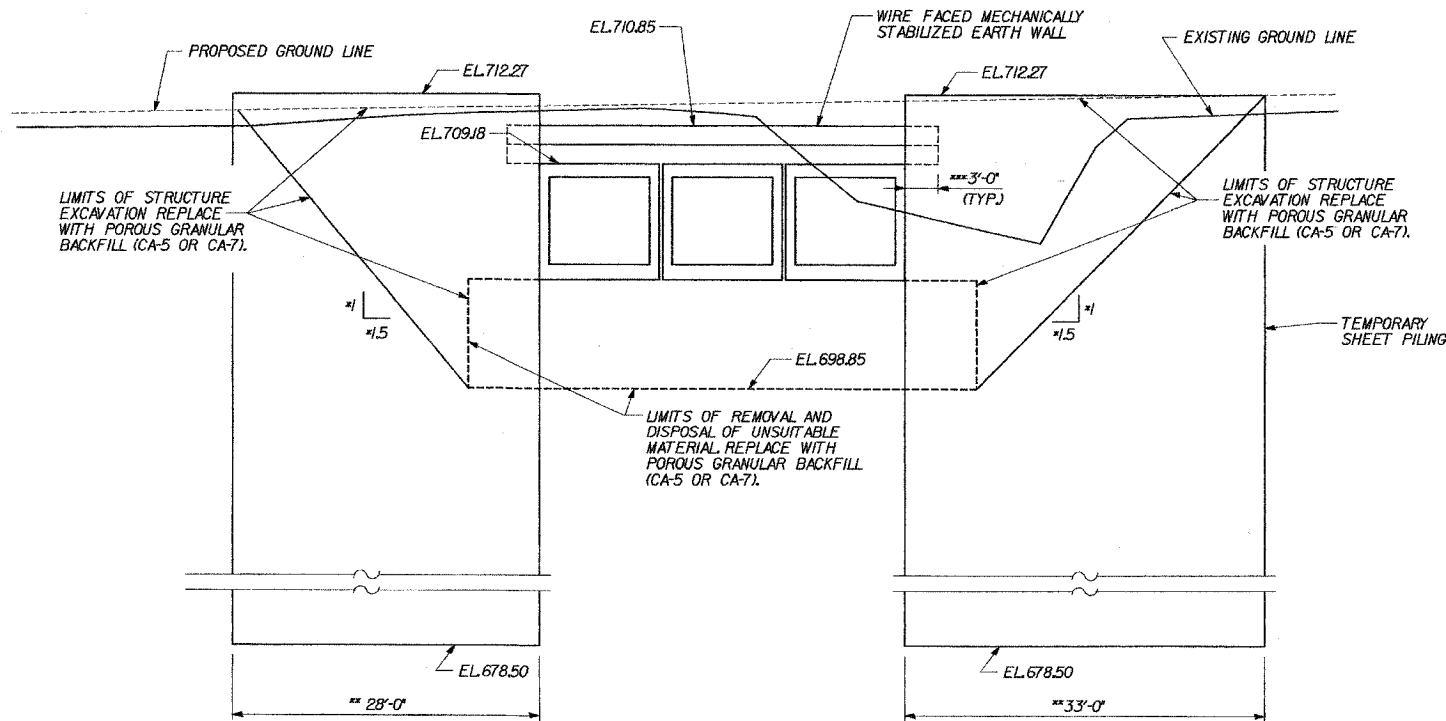
STAGE I

TOP ELEV. 711.81
BOTTOM ELEV. 680.00
EMBEDMENT - 18'-5"
MIN. SECTION MODULUS - 26.8 IN³/FT
LENGTH - 56'-0" (W. SIDE)

STAGE II

TOP ELEV. 712.27
BOTTOM ELEV. 678.50
EMBEDMENT - 20'-2"
MIN. SECTION MODULUS - 32.0 IN³/FT
LENGTH - 33'-0" (E. SIDE) 28'-0" (W. SIDE)

IF CONTRACTOR CHOOSES TO ALTER THE TEMPORARY CANTILEVERED SHEET PILING DESIGN REQUIREMENTS SHOWN ON THE PLANS FOR LESSER DESIGN REQUIREMENTS, THEN FULL DESIGN SUBMITTALS WITH THE REQUIRED SEALS WILL BE EXPECTED BY THE DEPARTMENT, FOR REVIEW AND APPROVAL.



STAGE II TEMPORARY SHEET PILING

(LOOKING NORTH)
* DENOTES PERPENDICULAR TO ϕ OF CULVERT
** MEASURED ALONG ϕ OF PILING
*** MEASURED PARALLEL TO ϕ OF ROADWAY

c:\Dept\Structures\8050002-IL-US80\CULVERT\ SUPPLEMENT\08-shpiling.dgn

15-Jul-2005 09:50

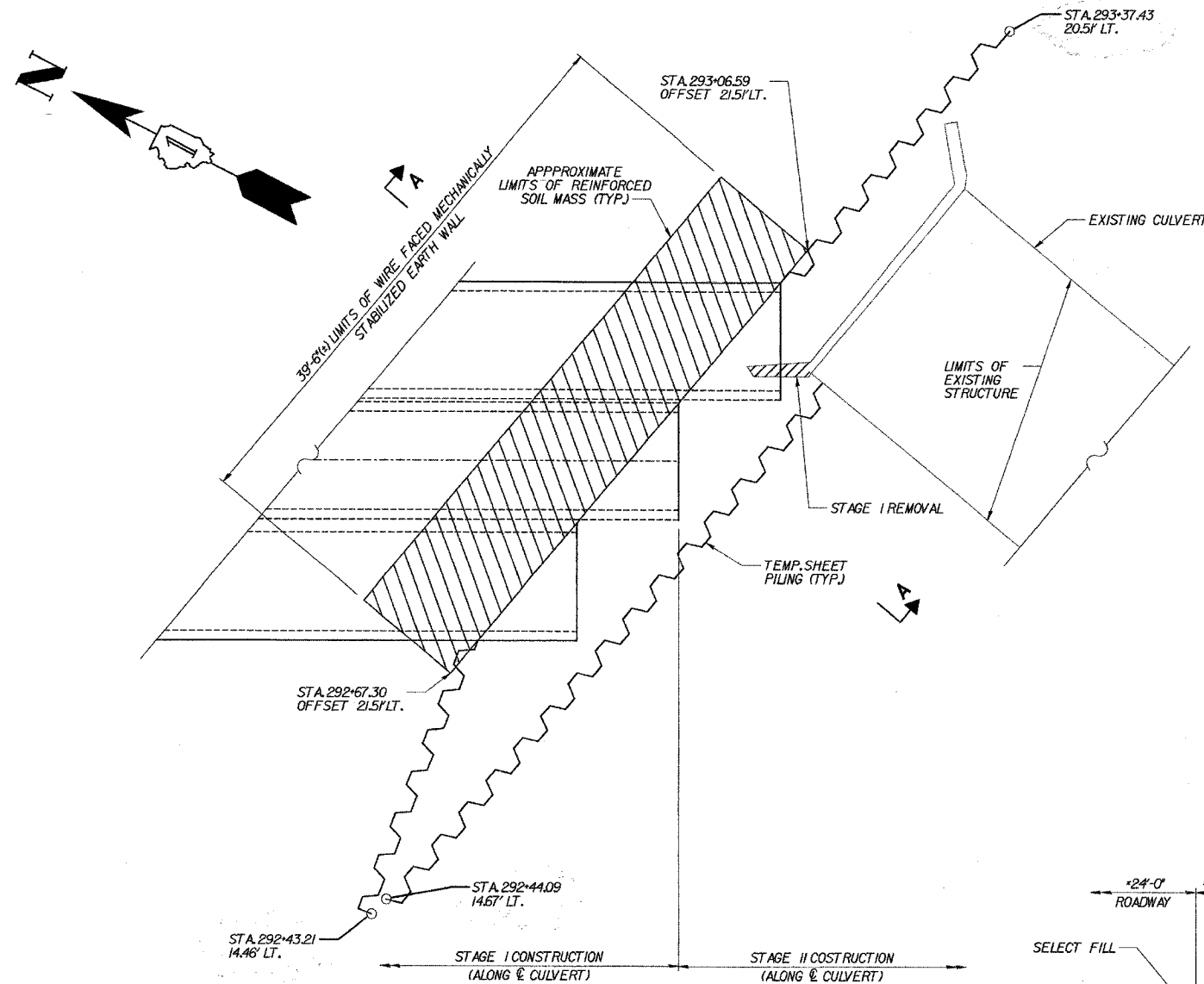
DESIGNED	ASP
CHECKED	CDS
DRAWN	BEM
CHECKED	ASP

REVISIONS	
NAME	DATE

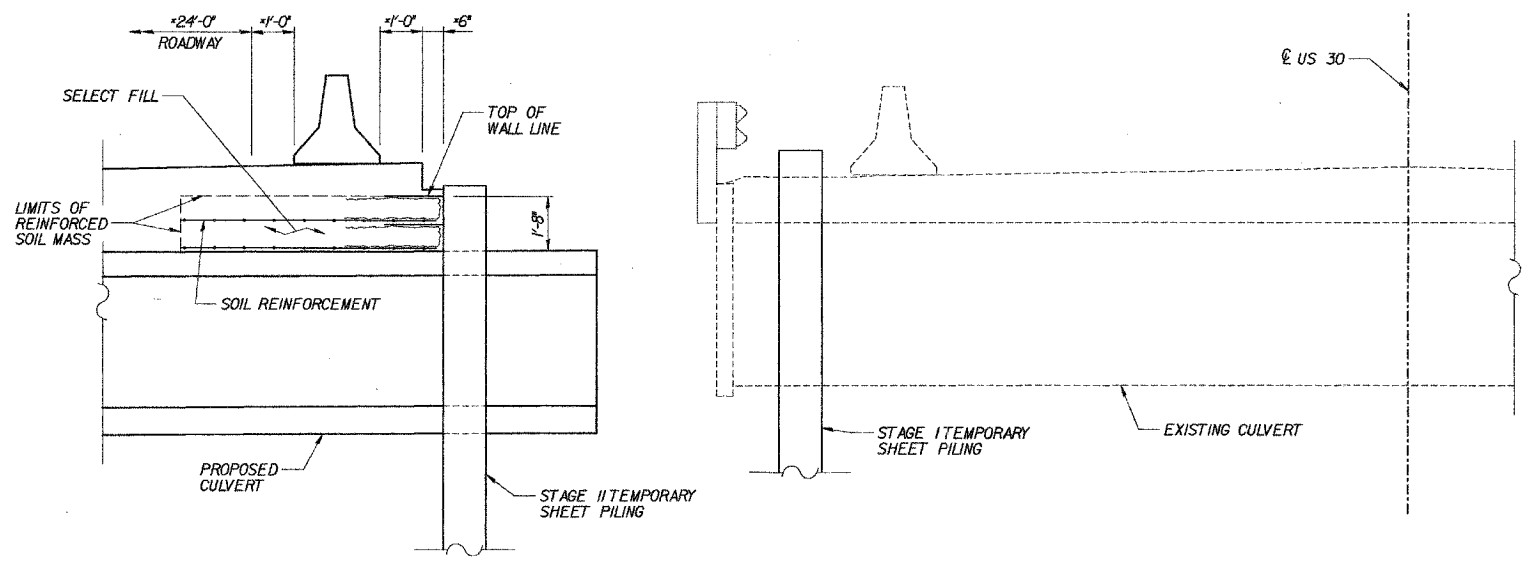
**U.S. 30 OVER STREAM
0.3 MILES W. OF WOLF RD.
TEMPORARY SHEET PILING**
U.S. ROUTE 30 (LINCOLN HIGHWAY)
F.A.P. 353 (U.S. 30)
SECTION (12 & 13) T-1
STATION 293+05.00
WILL COUNTY
STRUCTURE NUMBER 099-4661

ROUTE NO.		SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
FAP 353		*	WILL	53	24

* SECT. 12 & 13 1'-1'



PLAN



* MEASURED PERPENDICULAR TO CENTERLINE OF ROADWAY

SECTION A-A

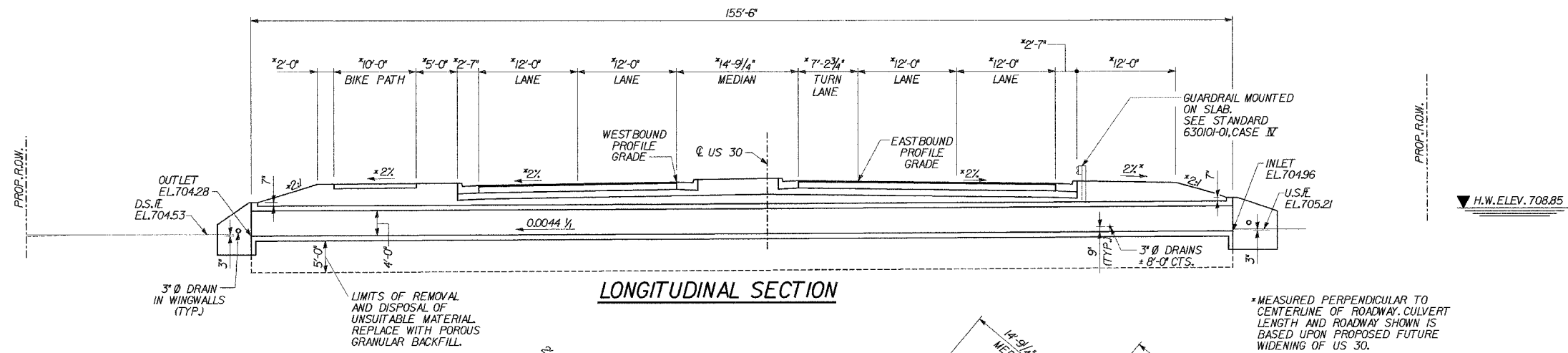
e:\Dept\Structures\060002-IL-US30\CULVERT\ SUPPLEMENT 04-WFREWALL.dgn 15-Jul-2005 09:05

DESIGNED	ASP
CHECKED	CDS
DRAWN	BEM
CHECKED	ASP

REVISIONS	
NAME	DATE

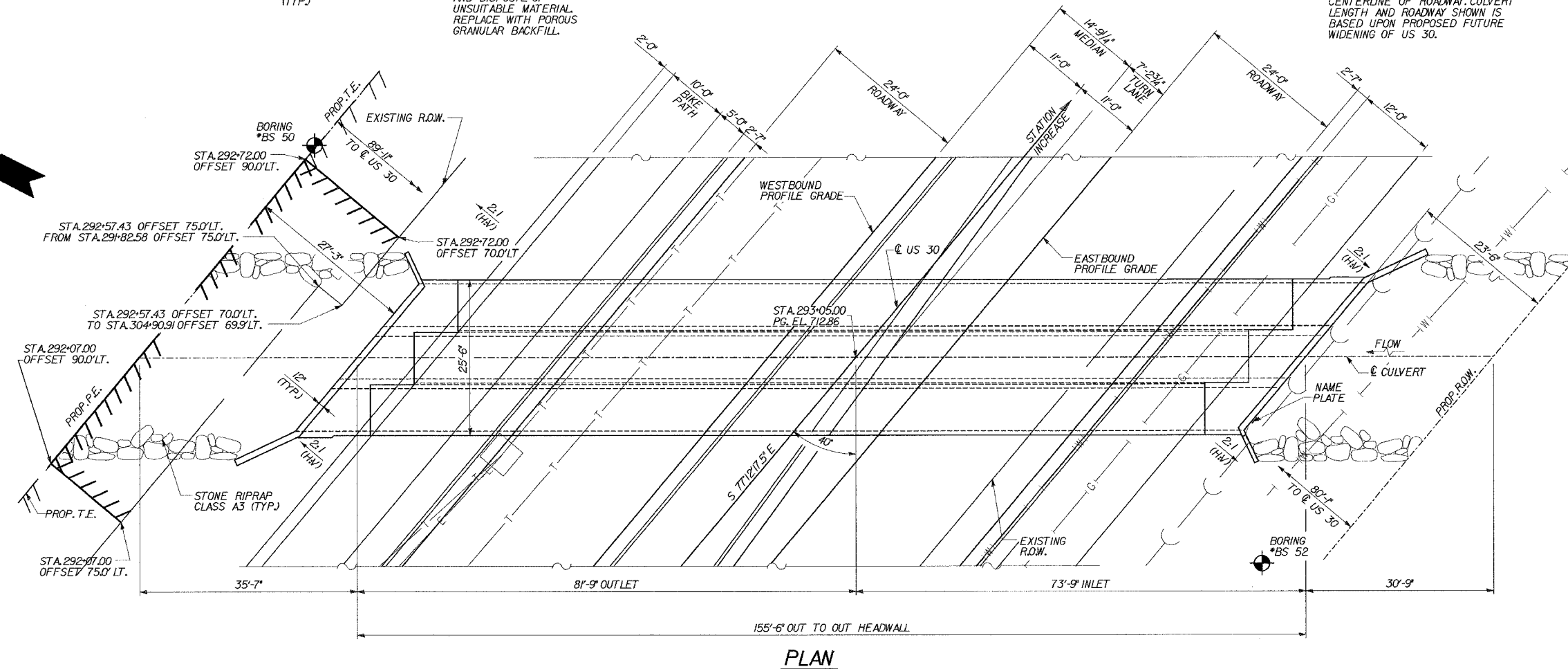
**U.S. 30 OVER STREAM
0.3 MILES W. OF WOLF RD.
WIRE FACED MECHANICALLY
STABILIZED EARTH WALL**
U.S. ROUTE 30 (LINCOLN HIGHWAY)
F.A.P. 353 (U.S. 30)
SECTION (12 & 13) WRS-3
STATION 293+05.00
WILL COUNTY
STRUCTURE NUMBER 099-4661

* SECT. 12 & 13 T-1

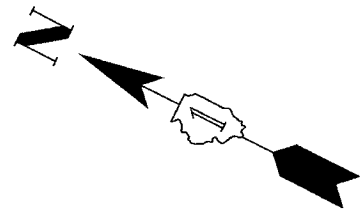


LONGITUDINAL SECTION

* MEASURED PERPENDICULAR TO CENTERLINE OF ROADWAY. CULVERT LENGTH AND ROADWAY SHOWN IS BASED UPON PROPOSED FUTURE WIDENING OF US 30.



PLAN



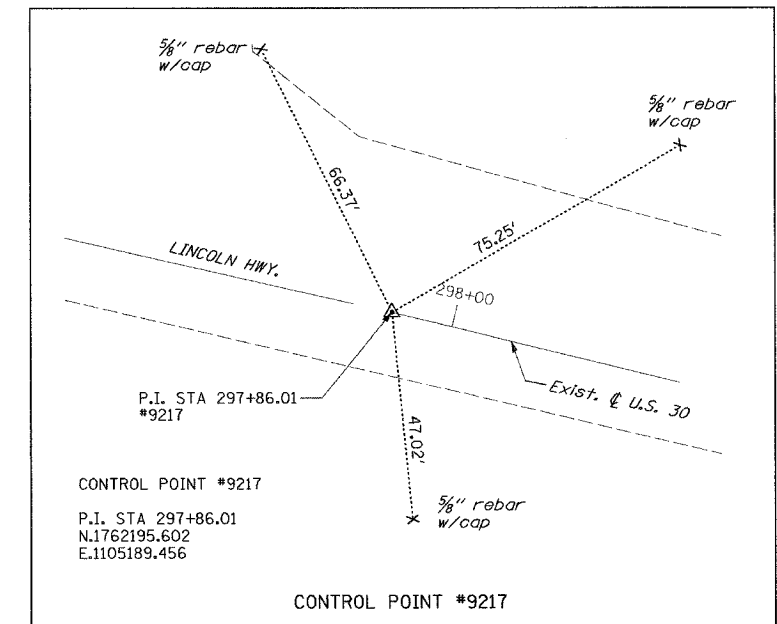
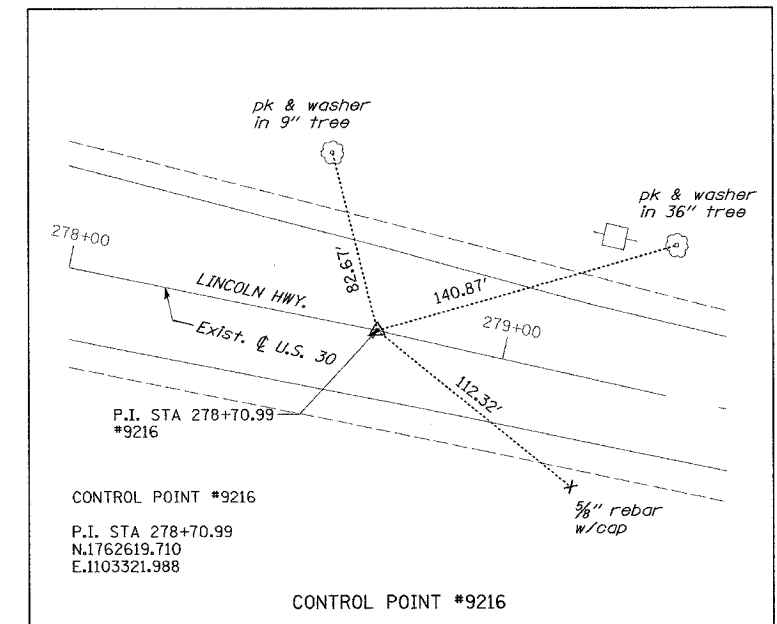
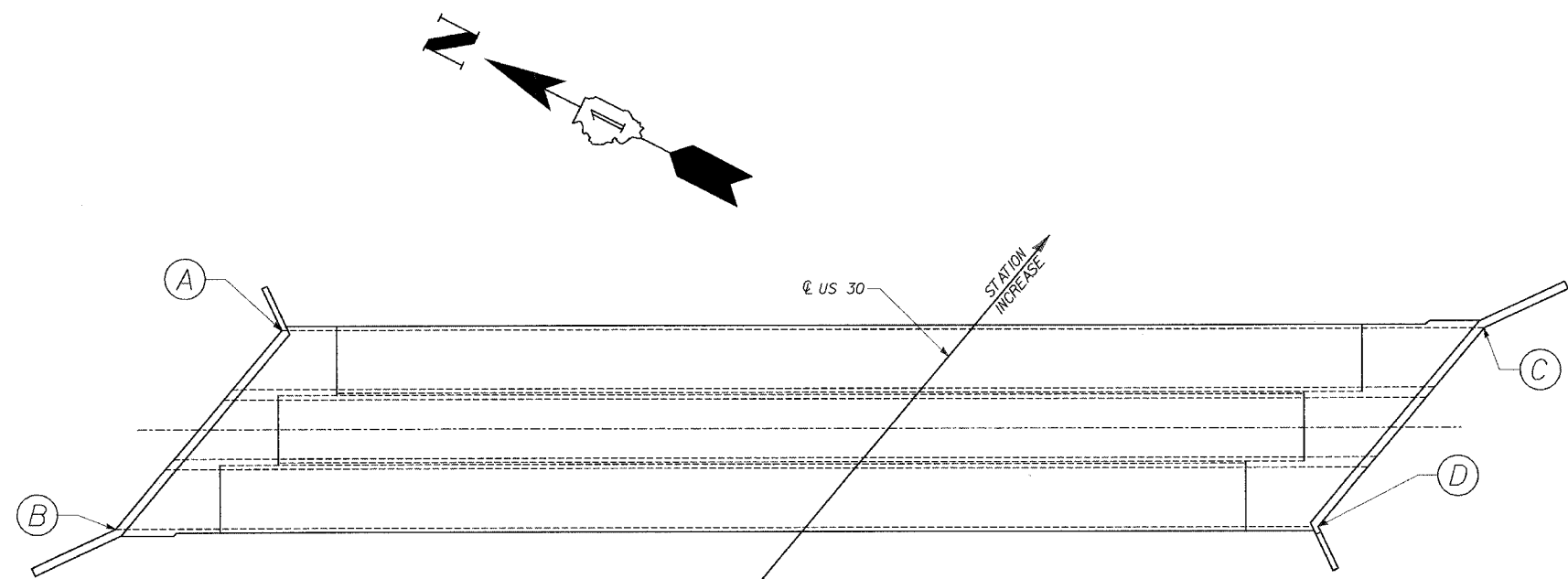
09-Jun-2005 10:25 s:\Dept\Structures\060002-IL-US30\CULVERTY SUPPLEMENT 05-PLAN F final.dgn

DESIGNED	ASP
CHECKED	CDS
DRAWN	BEM
CHECKED	ASP

REVISIONS	
NAME	DATE

U.S.30 OVER STREAM
0.3 MILES W.OF WOLF RD.
ULTIMATE GENERAL PLAN
U.S.ROUTE 30 (LINCOLN HIGHWAY)
F.A.P.353 (U.S.30)
SECTION (12 & 13) T-1
STATION 293+05.00
WILL COUNTY
STRUCTURE NUMBER 099-4661

ROUTE NO.		SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
FAP 353		*	WILL	53	26
CONTRACT NO. 898H					
* SECT. (12 & 13) T-1					



COORDINATES		
POINT	NORTHING	EASTING
CP #9216	1762619.710	1103321.988
CP #9217	1762195.602	1105189.456
A	1762368.076	1104712.782
B	1762375.063	1104682.018
C	1762229.780	1104783.873
D	1762236.767	1104753.109

REVISIONS	
NAME	DATE

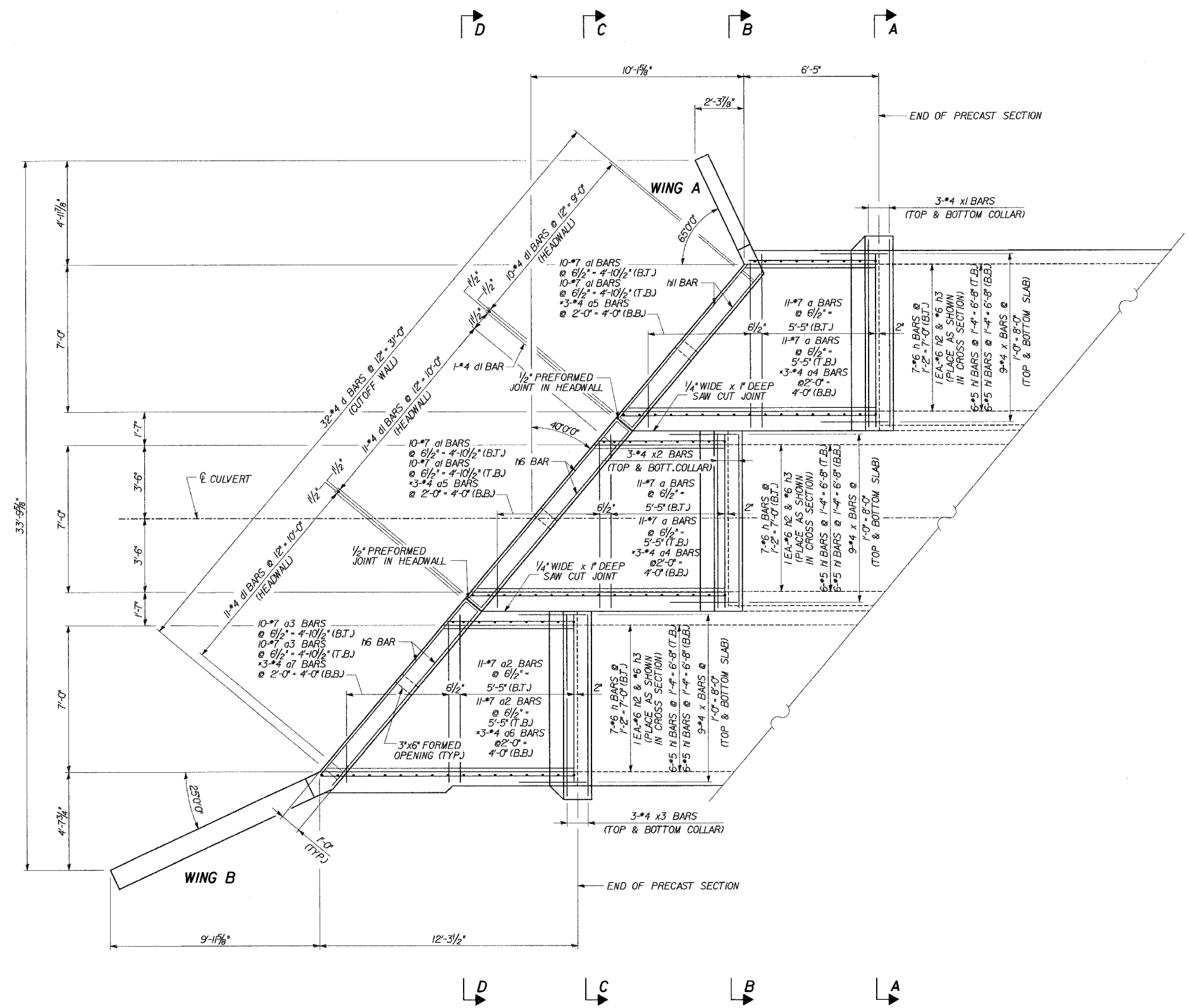
U.S. 30 OVER STREAM
0.3 MILES W.OF WOLF RD.
HORIZONTAL CONTROL
 U.S. ROUTE 30 (LINCOLN HIGHWAY)
 F.A.P. 353 (U.S. 30)
 SECTION (12 & 13) T-1
 STATION 293+05.00
 WILL COUNTY
 STRUCTURE NUMBER 099-4661

e:\Dept\Structures\3650002-IL-US30\CUIVERT\SUPPLEMENT\06-HORIZ CONTROL.dgn
 09-Jun-2005 10:25

DESIGNED	ASP
CHECKED	CDS
DRAWN	BEM
CHECKED	ASP

ROUTE NO.		SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
FAP 353		*	WILL	53	27

* SECT. 12 & 13 T-1



OUTLET PLAN

* PLACE #4, #5, #6 & #7 BARS AS SHOWN IN ELEVATION, SHT. 9.

LEGEND

T.T. - TOP OF TOP SLAB
B.T. - BOTTOM OF TOP SLAB
T.B. - TOP OF BOTTOM SLAB
B.B. - BOTTOM OF BOTTOM SLAB

FOR SECT. A-A, B-B, C-C AND D-D SEE SHEET 10 & 11.

REVISIONS	
NAME	DATE

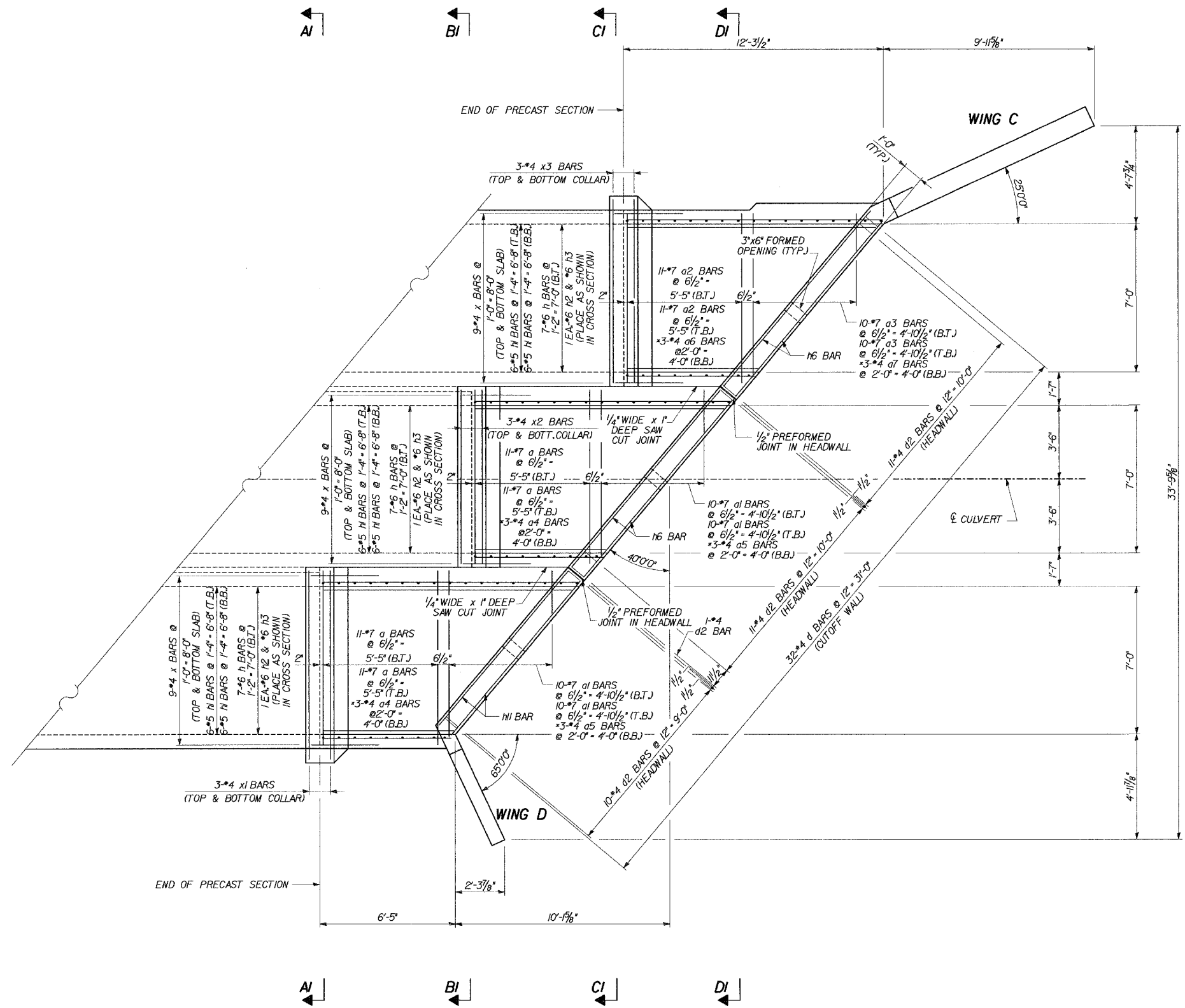
U.S. 30 OVER STREAM
0.3 MILES W.OF WOLF RD.
OUTLET END SECTION PLAN
U.S. ROUTE 30 (LINCOLN HIGHWAY)
F.A.P. 353 (U.S. 30)
SECTION (12 & 13) T-1
STATION 293+05.00
WILL COUNTY
STRUCTURE NUMBER 099-4661

09-Jun-2005 10:26 s:\Dept\Structures\3050002-IL-US80\CULVERT\F\SUPPLEMENT\07-PLAN reinforcement ALTu.dgn

DESIGNED	ASP
CHECKED	CDS
DRAWN	BEM
CHECKED	ASP

ROUTE NO.		SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
FAP 353		*	WILL	53	28

* SECT. (12 & 13) T-1



LEGEND

T.T. - TOP OF TOP SLAB
B.T. - BOTTOM OF TOP SLAB
T.B. - TOP OF BOTTOM SLAB
B.B. - BOTTOM OF BOTTOM SLAB

INLET PLAN

* PLACE #4, #5, #6 & #7 BARS AS SHOWN IN ELEVATION, SHT. 9.

FOR SECT. A-A, B-B, C-C AND D-D SEE SHEET 10 & 11

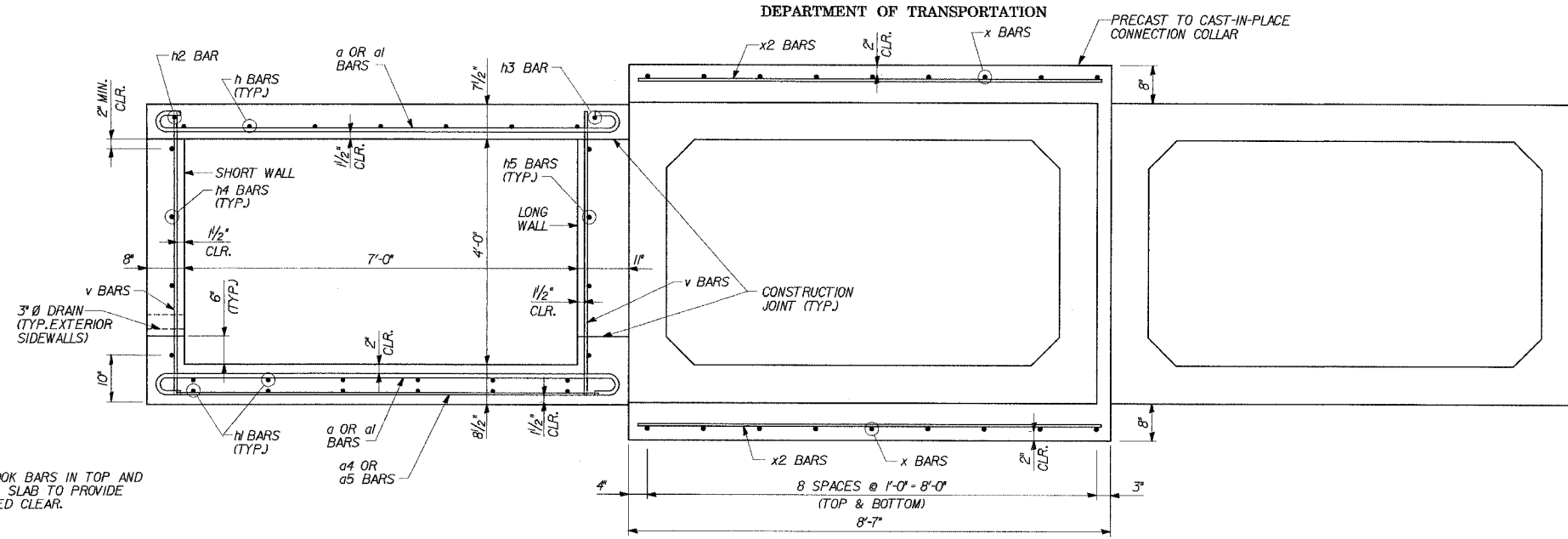
09-Jun-2005 10:26 s:\Dept\Structures\01050002-IL-US89\CULVERT\SUPPLEMENT\08-PLAN reinforcement IN.dgn

DESIGNED	ASP
CHECKED	CDS
DRAWN	BEM
CHECKED	ASP

REVISIONS	
NAME	DATE

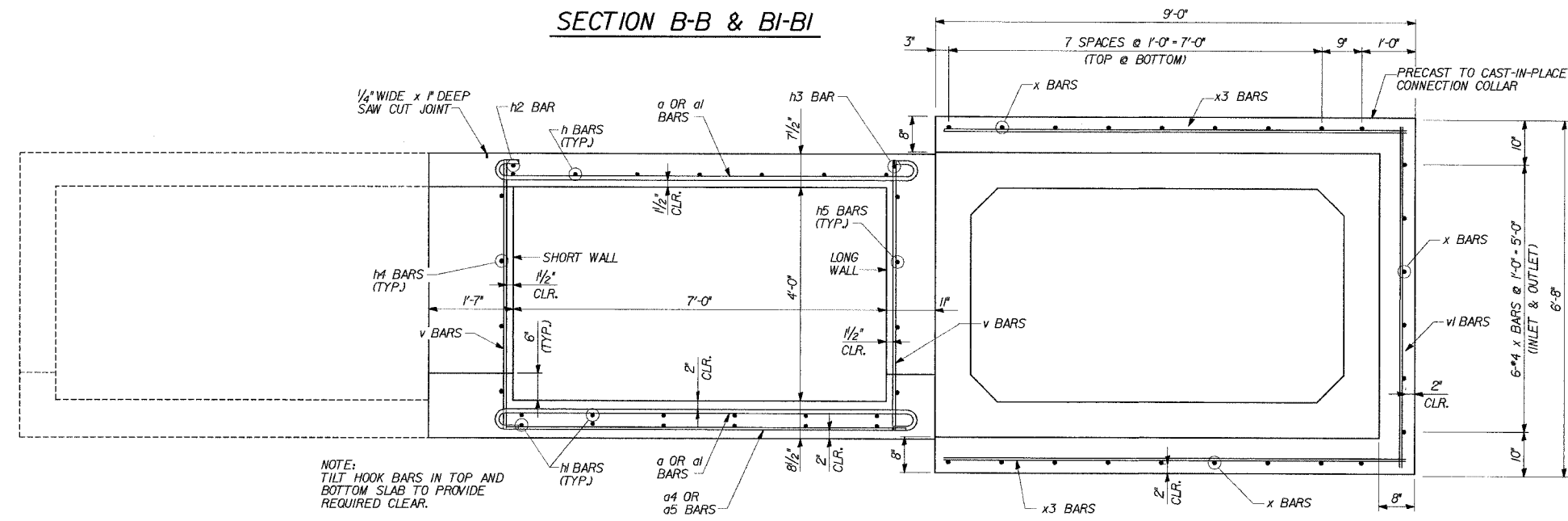
U.S. 30 OVER STREAM
0.3 MILES W.OF WOLF RD.
INLET END SECTION PLAN
U.S. ROUTE 30 (LINCOLN HIGHWAY)
F.A.P. 353 (U.S. 30)
SECTION (12 & 13) T-1
STATION 293+05.00
WILL COUNTY
STRUCTURE NUMBER 099-4661

ROUTE NO.		SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
FAP 353		*	WILL	53	31



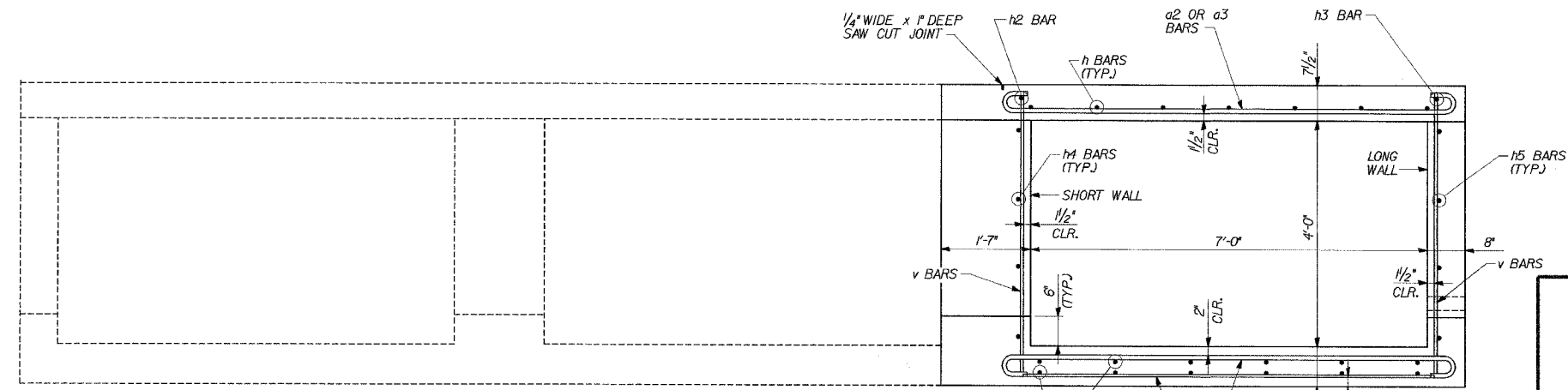
NOTE:
TILT HOOK BARS IN TOP AND
BOTTOM SLAB TO PROVIDE
REQUIRED CLEAR.

SECTION B-B & BI-BI



NOTE:
TILT HOOK BARS IN TOP AND
BOTTOM SLAB TO PROVIDE
REQUIRED CLEAR.

SECTION C-C & CI-CI



NOTE:
TILT HOOK BARS IN TOP AND
BOTTOM SLAB TO PROVIDE
REQUIRED CLEAR.

SECTION D-D & DI-DI

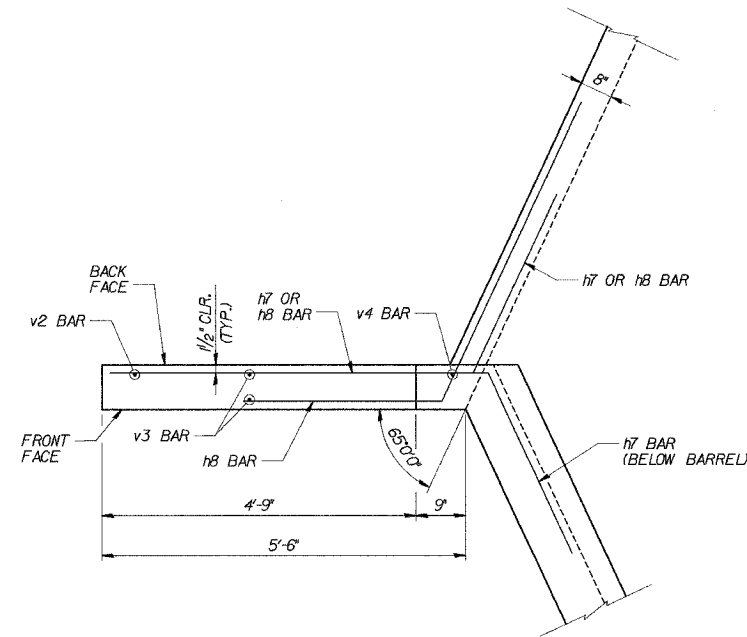
REVISIONS	
NAME	DATE

U.S. 30 OVER STREAM
0.3 MILES W. OF WOLF RD.
TYPICAL SECTION
U.S. ROUTE 30 (LINCOLN HIGHWAY)
F.A.P. 353 (U.S. 30)
SECTION (12 & 13) T-1
STATION 293+05.00
WILL COUNTY
STRUCTURE NUMBER 099-4661

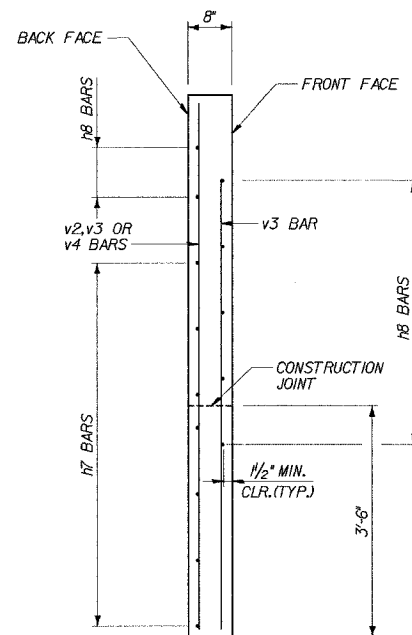
09-Jun-2005 10:26 s:\Dept\Structures\3050002-IL-US30\CULVERT\TYP\SUPPLEMENT\10-11-TYP\SECT-F.dgn

DESIGNED	ASP
CHECKED	CDS
DRAWN	BEM
CHECKED	ASP

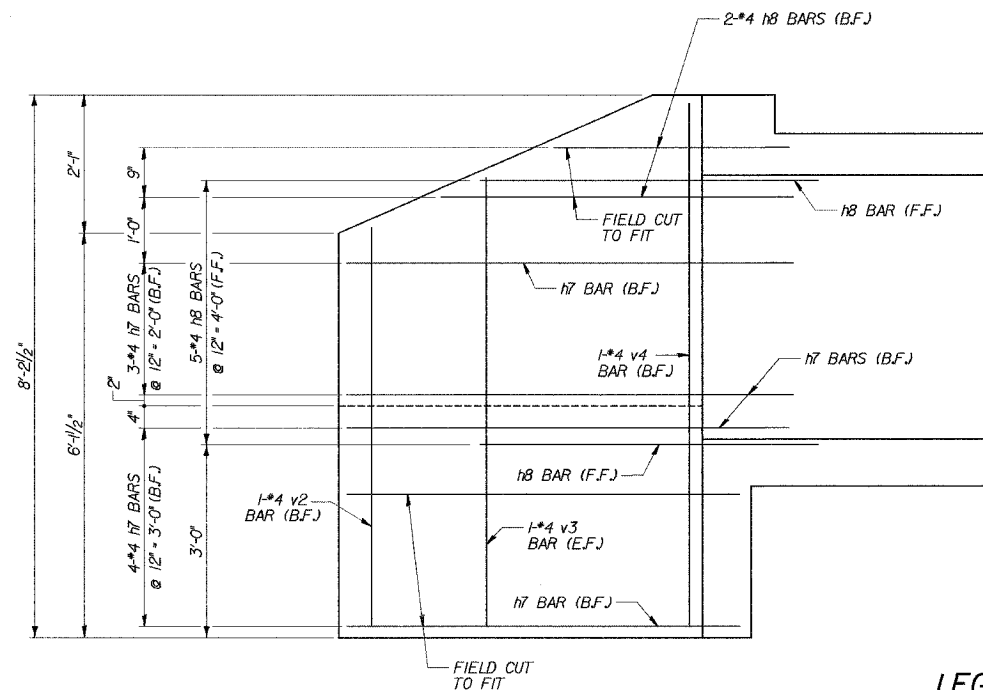
* SECT. 12 & 13 T-1



WING A & D PLAN



WING A & D TYPICAL SECTION



WING A & D ELEVATION

LEGEND

F.F. - FRONT FACE
B.F. - BACK FACE
E.F. - EACH FACE

09-Jun-2005 10:27 s:\Dept\Structures\3050002-IL-US0\CULVERT\F SUPPLEMENT\12-13-14-WING-F.dgn

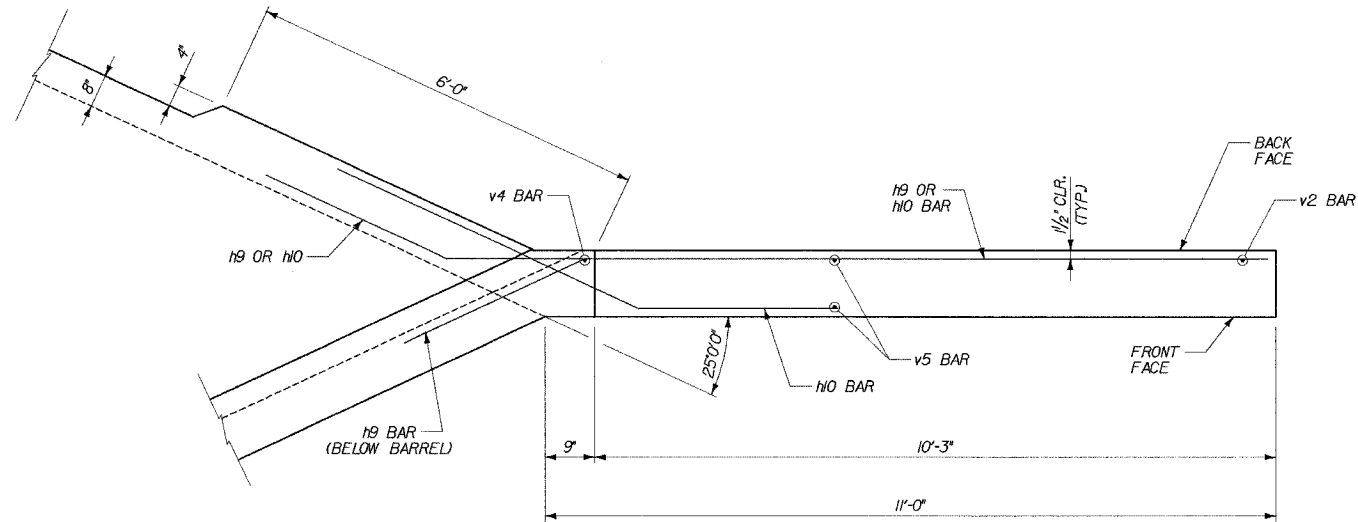
DESIGNED	ASP
CHECKED	CDS
DRAWN	BEM
CHECKED	ASP

REVISIONS	
NAME	DATE

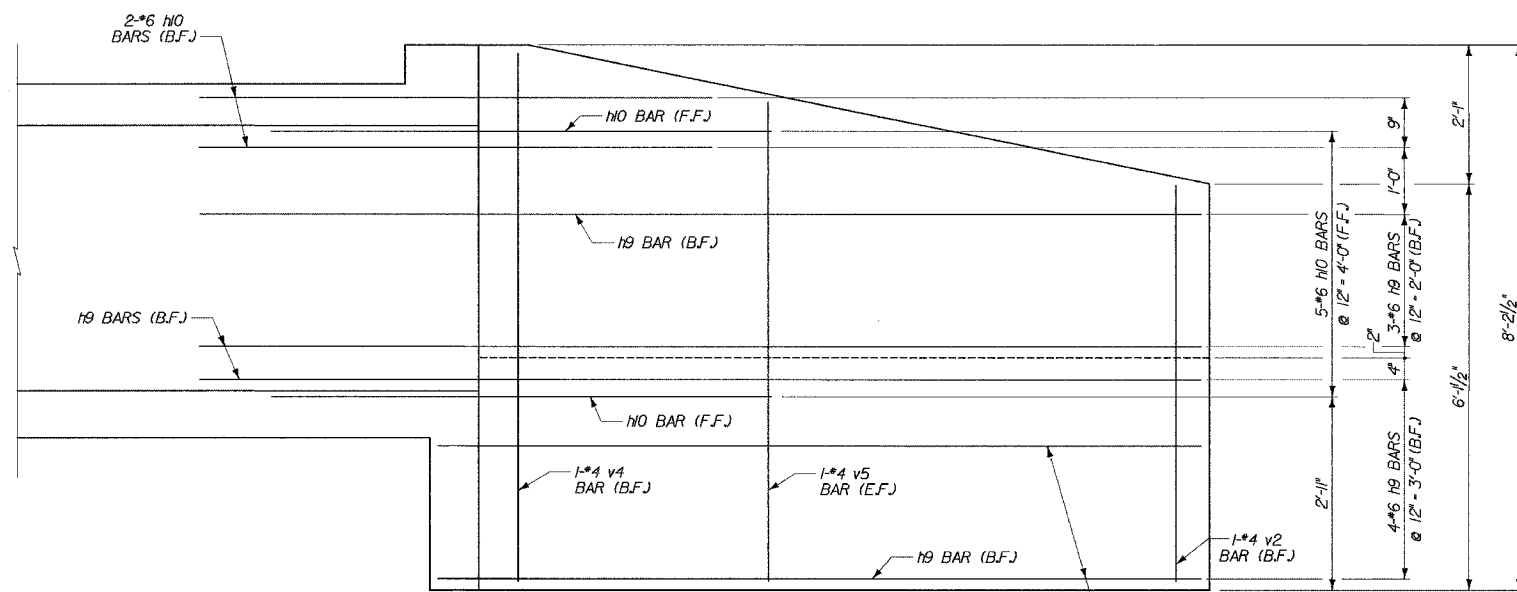
U.S. 30 OVER STREAM
0.3 MILES W. OF WOLF RD.
WINGS A & D
U.S. ROUTE 30 (LINCOLN HIGHWAY)
F.A.P. 353 (U.S. 30)
SECTION (12 & 13) T-1
STATION 293+05.00
WILL COUNTY
STRUCTURE NUMBER 099-4661

ROUTE NO.		SECTION		COUNTY		TOTAL SHEETS		SHEET NO.	
FAP 353		*		WILL		53		33	

* SECT. 12 & 13 T-1



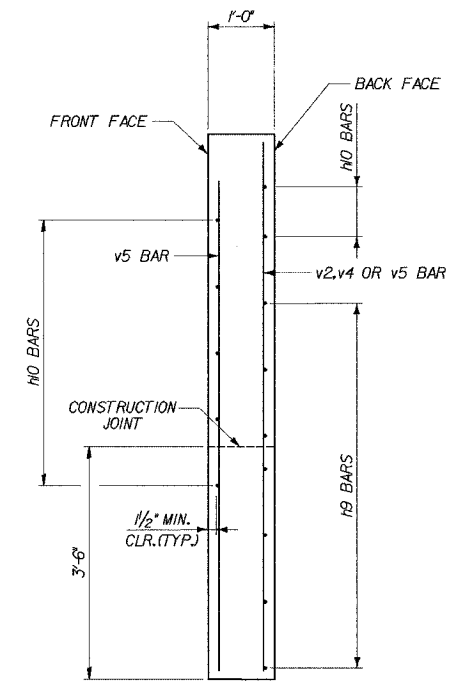
WING B & C PLAN



LEGEND

F.F. - FRONT FACE
B.F. - BACK FACE
E.F. - EACH FACE

WING B & C ELEVATION



WING B & C TYPICAL SECTION

e:\Dept\Structures\3050002-IL-US80\CULVERTS\SUPPLEMENT\12-13-14-WING-F.dgn

09-Jan-2005 10:27

DESIGNED	ASP
CHECKED	CDS
DRAWN	BEM
CHECKED	ASP

REVISIONS	
NAME	DATE

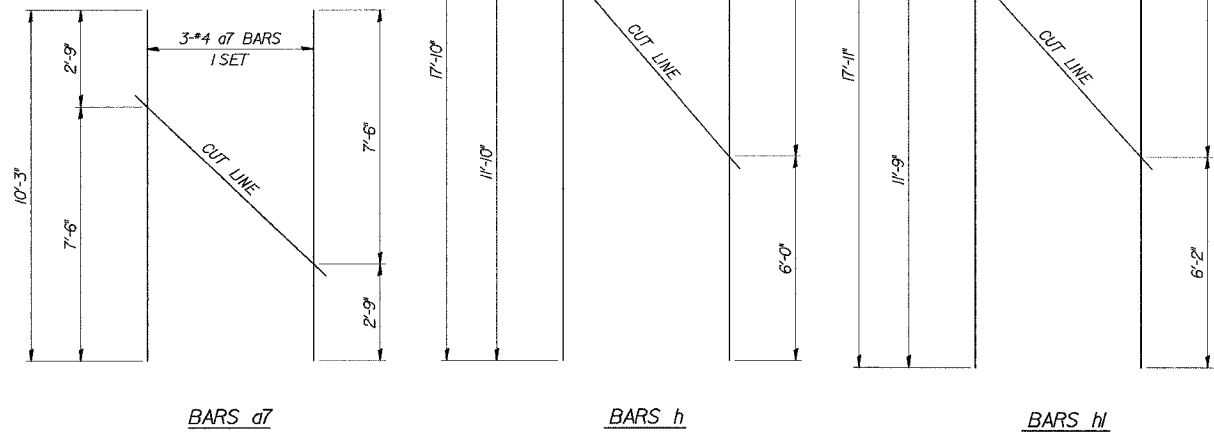
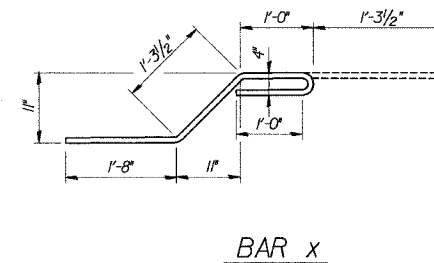
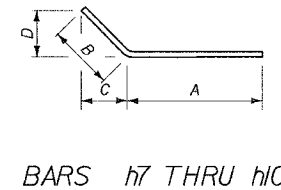
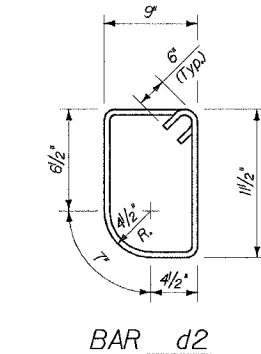
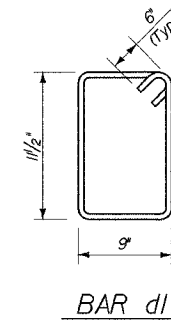
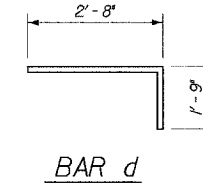
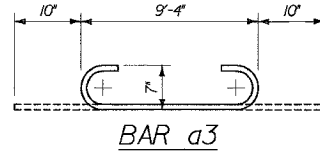
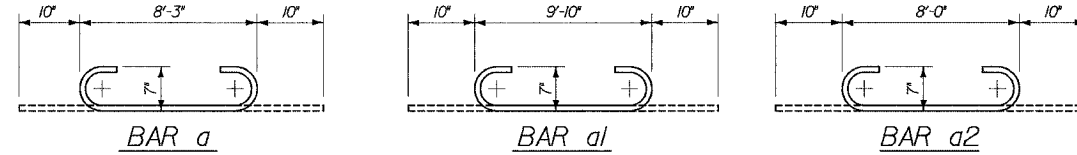
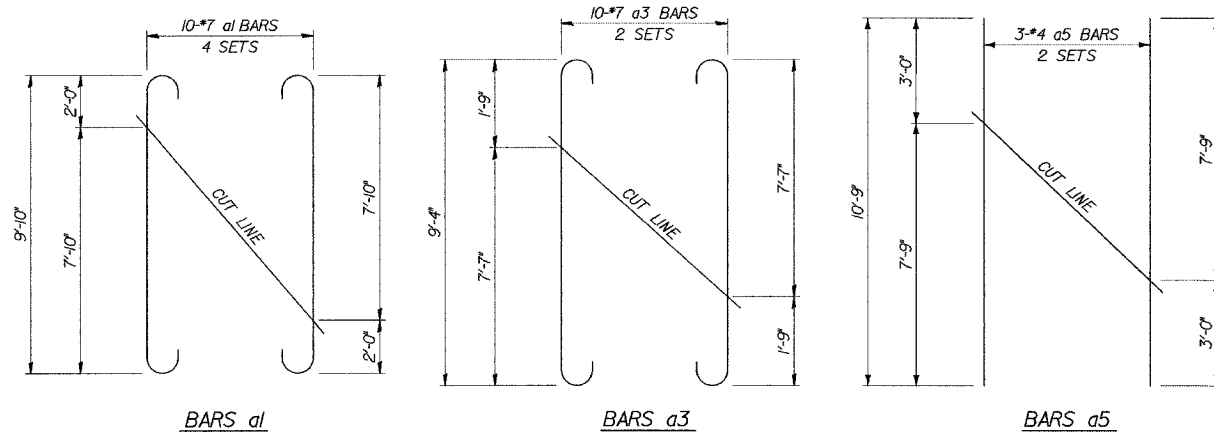
U.S. 30 OVER STREAM
0.3 MILES W. OF WOLF RD.
WINGS B & C
U.S. ROUTE 30 (LINCOLN HIGHWAY)
F.A.P. 353 (U.S. 30)
SECTION (12 & 13) T-1
STATION 293+05.00
WILL COUNTY
STRUCTURE NUMBER 099-4661

ROUTE NO.		SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
FAP 353		*	WILL	53	34

* SECT. (12 & 13) T-1

BILL OF MATERIAL

Bar	No.	Size	Length	Shape
a	88	7	9'-11"	U
a1	40	7	11'-6"	U
a2	44	7	9'-8"	U
a3	20	7	11'-0"	U
a4	12	4	8'-3"	U
a5	6	4	10'-9"	U
a6	6	4	8'-0"	U
a7	3	4	10'-3"	U
d	64	4	4'-5"	L
d1	33	4	4'-5"	L
d2	33	4	4'-3"	L
h	21	6	17'-10"	U
h1	36	5	17'-11"	U
h2	6	6	5'-10"	U
h3	6	6	12'-0"	U
h4	24	5	5'-10"	U
h5	24	5	12'-0"	U
h6	16	6	10'-9"	U
h7	14	4	8'-8"	U
h8	14	4	8'-0"	U
h9	14	6	15'-4"	U
h10	14	6	8'-0"	U
h11	8	6	9'-6"	U
h12	6	6	31'-6"	U
v	156	4	5'-1"	L
v1	12	4	6'-4"	L
v2	4	4	6'-0"	L
v3	4	4	6'-9"	L
v4	4	4	7'-11"	L
v5	4	4	7'-2"	L
x	132	4	5'-3"	L
x1	12	4	8'-11"	L
x2	12	4	8'-3"	L
x3	12	4	8'-8"	L
CONCRETE BOX CULVERTS			CU. YD.	548
REINFORCEMENT BARS			POUND	9,072



FIELD CUTTING DIAGRAMS
ORDER BARS FULL LENGTH, CUT AS SHOWN AND USE REMAINDER OF BARS IN OPPOSITE END.

BAR BENDING DIAGRAMS

Bar	A		B		C		D	
	Ft.	In.	Ft.	In.	Ft.	In.	Ft.	In.
h7	5	8	3	0	1	3/4	2	8 3/4
h8	5	0	3	0	1	3/4	2	8 3/4
h9	12	4	3	0	2	8 3/4	1	3/4
h10	5	0	3	0	2	8 3/4	1	3/4

s:\Dept\Structures\3060002-IL-US30\CULVERTS\ SUPPLEMENT\12-13-14-WING-F.dgn 09-Jun-2006 10:27

DESIGNED	ASP
CHECKED	CDS
DRAWN	BEM
CHECKED	ASP

REVISIONS	
NAME	DATE

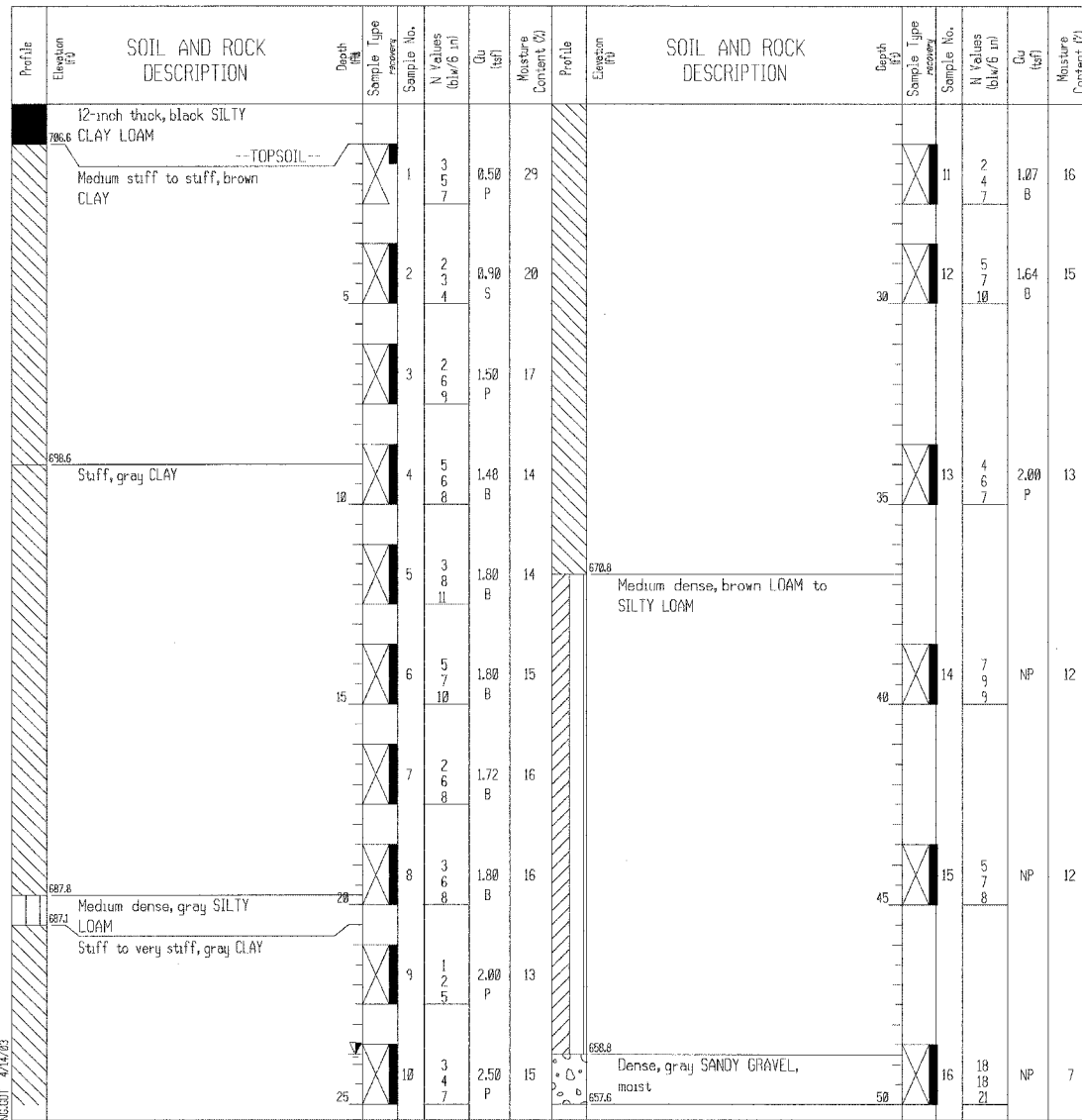
U.S. 30 OVER STREAM
0.3 MILES W.OF WOLF RD.
BARBILL & DETAILS
U.S. ROUTE 30 (LINCOLN HIGHWAY)
F.A.P. 353 (U.S. 30)
SECTION (12 & 13) T-1
STATION 293+05.00
WILL COUNTY
STRUCTURE NUMBER 099-4661

BORING LOG BS-050 Page 1 of 2

Wang Engineering, INC.
wangeng3@wangeng.com
100 Fairbank Street
Addison, IL 60101
Telephone: 630 458-0700
Fax: 630 458-0900

WEI Job No.: 301-01-01
Client: Brighton Engineering Company
Project: GEOT - US. 30, Will Co., IL, IDOT D-91-219-02
Location: SEC 22, 23, 24, 19 T35N, R11, 12E

Datum: NGVD
Elevation: 707.55 ft
North: 1762393.66 ft
East: 1104725.27 ft
Station: 292+74.73
Offset: 90.33 LT



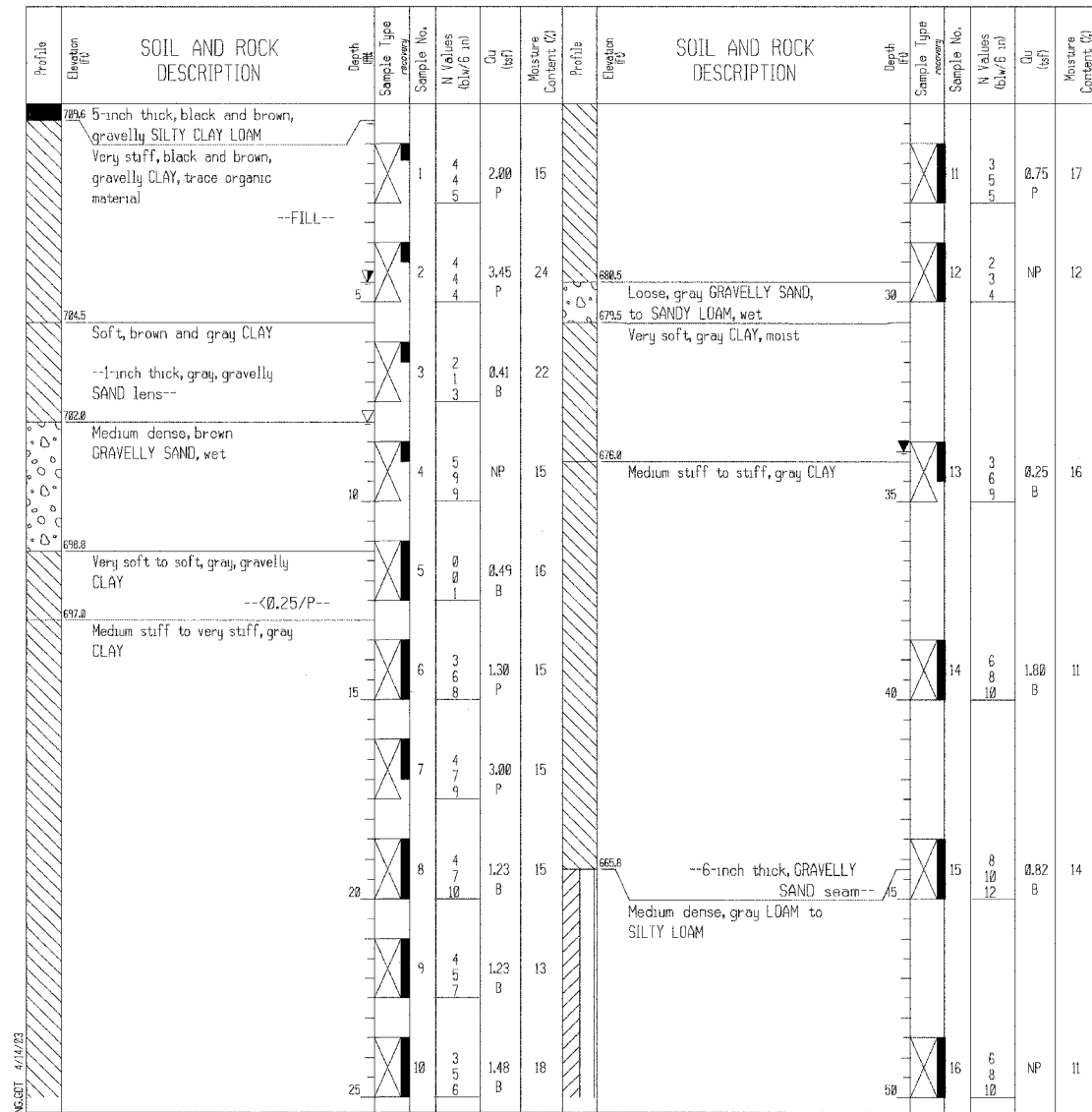
GENERAL NOTES		WATER LEVEL DATA	
Begin Drilling	02-06-2003	Complete Drilling	02-06-2003
Drilling Contractor	TSC	Drill Rig	CME 75 TMR
Driller	E&A	Logger	J. Kasnick
Checked by	S. Janowski	Time After Drilling	24 hours
Drilling Method	3.25" ID HSA; Boring backfilled with bentonite chips upon completion	Depth to Water	23.75 ft

BORING LOG BS-052 Page 1 of 2

Wang Engineering, INC.
wangeng3@wangeng.com
100 Fairbank Street
Addison, IL 60101
Telephone: 630 458-0700
Fax: 630 458-0900

WEI Job No.: 301-01-01
Client: Brighton Engineering Company
Project: GEOT - US. 30, Will Co., IL, IDOT D-91-219-02
Location: SEC 22, 23, 24, 19 T35N, R11, 12E

Datum: NGVD
Elevation: 710.04 ft
North: 1762224.24 ft
East: 1104735.12 ft
Station: 293+21.87
Offset: 72.70 RT



GENERAL NOTES		WATER LEVEL DATA	
Begin Drilling	02-05-2003	Complete Drilling	02-05-2003
Drilling Contractor	TSC	Drill Rig	CME 75 TMR
Driller	E&A	Logger	J. Kasnick
Checked by	S. Janowski	Time After Drilling	24 hours
Drilling Method	3.25" ID HSA; Boring backfilled with bentonite chips upon completion	Depth to Water	4.50 ft

s:\Dept\Structures\3050002-IL-US30\CULVERT\SUPPLEMENT\15-borings.dgn

09-jun-2005 10:27

DESIGNED	ASP
CHECKED	CDS
DRAWN	BEM
CHECKED	ASP

REVISIONS	
NAME	DATE

**U.S. 30 OVER STREAM
0.3 MILES W.OF WOLF RD.
BORING LOG**

U.S. ROUTE 30 (LINCOLN HIGHWAY)
F.A.P. 353 (U.S. 30)
SECTION (12 & 13) T-1
STATION 293+05.00
WILL COUNTY
STRUCTURE NUMBER 099-4661



Illinois Department of Transportation
Division of Highways
ILLINOIS DEPARTMENT OF TRANSPORTATION

SOIL BORING LOG

Page 1 of 2

Date 2/1/00

ROUTE US 30 DESCRIPTION Over Unnamed Creek 1/4 Mile W. of Wolf Road LOGGED BY Adam Gliniski

SECTION LOCATION Frankfort Township, SEC. 19, TWP. T35N, RNG. R12E, 3rd PM

COUNTY Will DRILLING METHOD 3.25-in ID HSA, CME 750 HAMMER TYPE CME 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	Qu	T	ft	H	S	Qu	T
BORING NO. I-2					95.20				
Station 61' W. of C/L Bridge									
Offset 21.00ft North of C/L									
Ground Surface Elev. 710.73	(ft)	(/6")	(tsf)	(%)		(ft)	(/6")	(tsf)	(%)
Mottled Black and Brown SILTY CLAY LOAM with Trace Fine Gravel					689.73	3			
					688.73	5	2.7	18.0	
					688.73	7	B	13.0	
Stiff Mottled Black and Green SILTY CLAY with Trace Fine Gravel									
	4					2			
	3	1.4	27.0			3	1.9	15.0	
	4	B				5	B		
Grades to Mottled Green, Gray and Orange					685.73				
						2			
	2					3	0.8	16.0	
	3	1.2	24.0			5	B		
	2	B							
Very Soft Sticky Damp Mottled Brown and Gray SILTY CLAY					682.73				
	0					2			
	0	0.1	34.0			3	1.4	16.0	
	0	B				4	B		
Very Stiff Mottled Brown and Gray SILTY CLAY					681.23				
						4			
	3					5	2.3	16.0	
	3	2.3	17.0			7	S		
	3	B							
Loose Mottled Brown and Gray SILTY LOAM									
	4								
	4		20.0						
	6								
Stiff Gray SILTY CLAY LOAM with Trace Fine Gravel					675.73				
						5			
	4	1.9	13.0			6	1.4	13.0	
	6	B				8	B		
Very Stiff Gray SILTY CLAY					672.23				
	3								
	4	2.1	16.0						
	5	B							

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
ILLINOIS DEPARTMENT OF TRANSPORTATION

SOIL BORING LOG

Page 2 of 2

Date 2/1/00

ROUTE US 30 DESCRIPTION Over Unnamed Creek 1/4 Mile W. of Wolf Road LOGGED BY Adam Gliniski

SECTION LOCATION Frankfort Township, SEC. 19, TWP. T35N, RNG. R12E, 3rd PM

COUNTY Will DRILLING METHOD 3.25-in ID HSA, CME 750 HAMMER TYPE CME 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	Qu	T	ft	H	S	Qu	T
BORING NO. I-2					95.20				
Station 61' W. of C/L Bridge									
Offset 21.00ft North of C/L									
Ground Surface Elev. 710.73	(ft)	(/6")	(tsf)	(%)		(ft)	(/6")	(tsf)	(%)
Stiff Gray CLAYEY SILT									
						3			
						4	1.0	14.0	
						5	B		
Very Stiff Dark Gray SILTY CLAY with Little Fine Gravel									
						6	2.5	17.0	
						8	B		
Medium Dense Gray SILTY with Little Fine White Gravel					647.23				
Grades to Dark Gray with Little Fine Gravel					642.23				
						2			
						4	1.0	12.0	
						5	B		
Gray SAND and GRAVEL, Started Washing at 70.0 feet					640.23				
Grades to Dark Gray with Little Fine Gravel					640.23				
						5			
						8	1.7	12.0	
						8	B		
Dolomite, Probable Bedrock. Sampler Refusal. E. O. B. Wash at 70.0 feet. End of Boring					639.98				
Medium Dense Gray SILTY LOAM with Some Fine Gray SAND and Little Fine Gravel					657.23				
						7			
						14		16.0	
						13			
Very Stiff Dark Gray SILTY CLAY with Little Fine Gravel					652.23				

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)

s:\Dept\Structures\0350002-II-US00\CULVERTS\SUPPLEMENT\15-borings.dgn

11-Aug-2005 08:21

DESIGNED	ASP
CHECKED	CDS
DRAWN	BEM
CHECKED	ASP

REVISIONS	
NAME	DATE

U.S.30 OVER STREAM
0.3 MILES W.OF WOLF RD.
BORING LOG
U.S.ROUTE 30 (LINCOLN HIGHWAY)
F.A.P.353 (U.S.30)
SECTION 112 & 13 T-1
STATION 293+05.00
WILL COUNTY
STRUCTURE NUMBER 099-4661



SOIL BORING LOG

Page 1 of 1

Date 8/1/05

ROUTE FAP 353 (U.S. 30) DESCRIPTION Over Unnamed Creek 1/4 mi West of Wolf Rd LOGGED BY C. Goddard

SECTION (12 & 13) T-1 LOCATION SE 1/4, SEC. 19, TWP. T35N, RNG. R12E, 3rd PM

COUNTY Will DRILLING METHOD CME 750, 3.25" ID HSA HAMMER TYPE CME Automatic

STRUCT. NO.	BORING NO.	Station	Offset	Ground Surface Elev.	ft	(ft)	(/6")	(tsf)	(%)	Surface Water Elev.	Stream Bed Elev.	Groundwater Elev.:	First Encounter	Upon Completion	After 24 Hrs.
099-4661	V-1	293+05.00	62.00ft Rt CL	710.63						706.21 ft	705.84 ft		700.6 ft	- ft	706.8 ft
Description: Stiff Brown SILTY CLAY w/fine to coarse sand UCS: 20.0 Failure Mode: P (Penetrometer)															
Description: Medium Stiff Black SILTY CLAY w/trace wood fibers UCS: 31.0 Failure Mode: B (Bulge)															
Description: Soft Gray SILTY CLAY w/trace roots UCS: 25.0 Failure Mode: B (Bulge)															
Description: Stiff to Very Stiff Gray CLAY w/trace coarse sand UCS: 16.0 Failure Mode: B (Bulge)															
Description: Occasional Coarse Gravel UCS: 14.0 Failure Mode: B (Bulge)															
Description: End of Boring UCS: 15.0 Failure Mode: B (Bulge)															

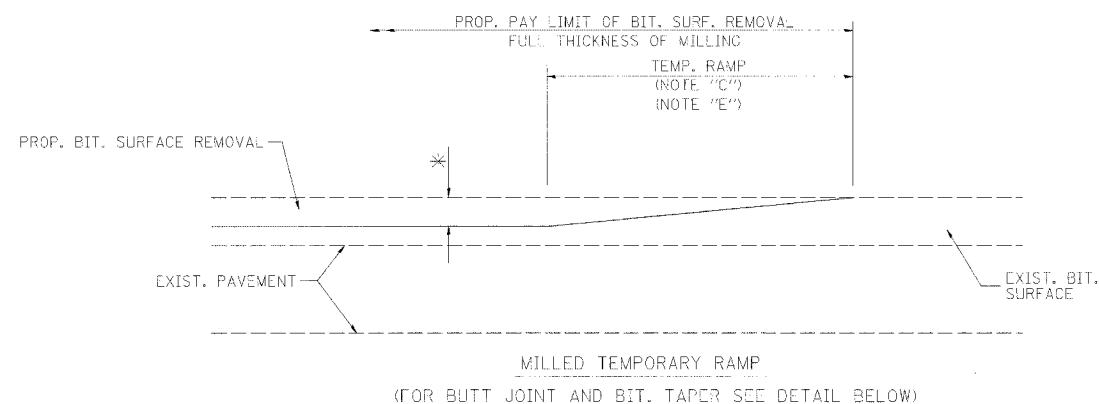
The Unconfined Compressive Strength (UCS) Failure Mode is indicated by (B-Bulge, S-Shear, P-Penetrometer)
The SPT (N value) is the sum of the last two blow values in each sampling zone (AASHTO T206) BBS, from 137 (Rev. 8-99)

11-Aug-2005 08:21 s:\Dept\Structures\3050002-IL-US30\CULVERT\SUPPLEMENT\15-borings.dgn

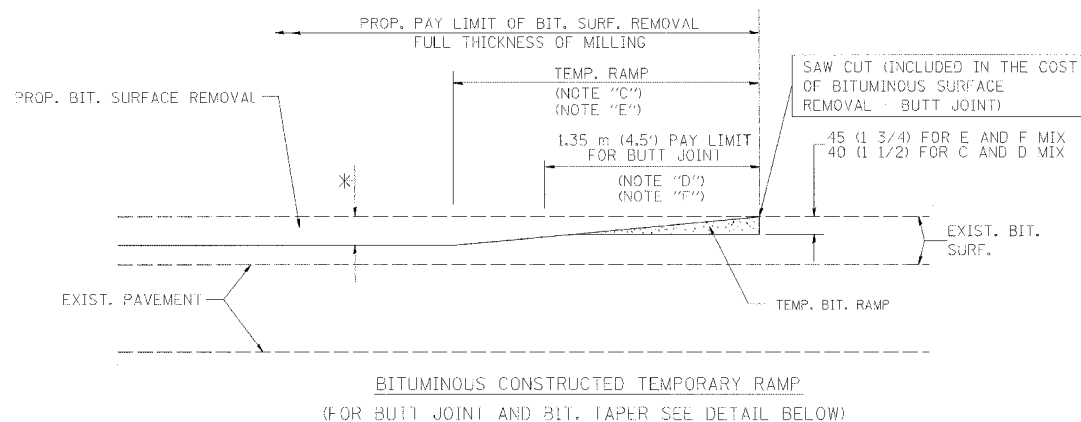
DESIGNED	ASP
CHECKED	CDS
DRAWN	BEM
CHECKED	ASP

REVISIONS	
NAME	DATE

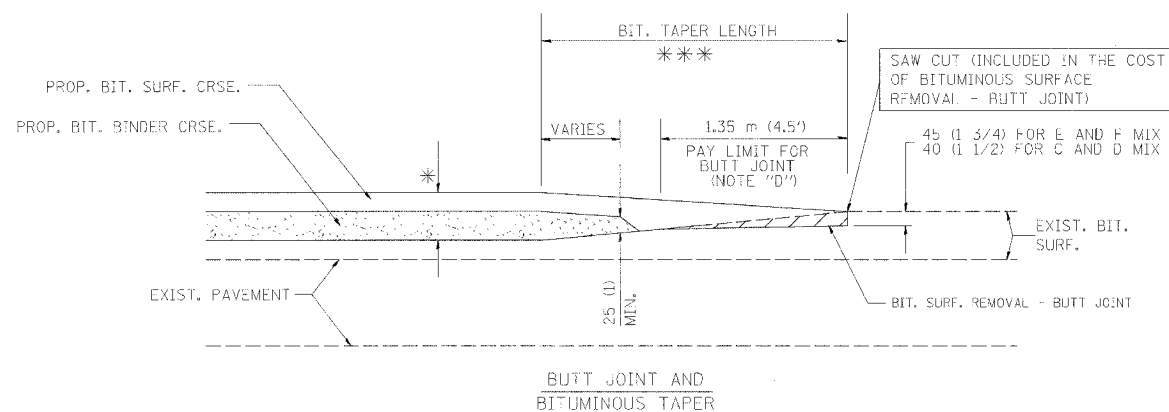
U.S.30 OVER STREAM
0.3 MILES W.OF WOLF RD.
BORING LOG
 U.S.ROUTE 30 (LINCOLN HIGHWAY)
 F.A.P.353 (U.S.30)
 SECTION (12 & 13) T-1
 STATION 293+05.00
 WILL COUNTY
 STRUCTURE NUMBER 099-4661



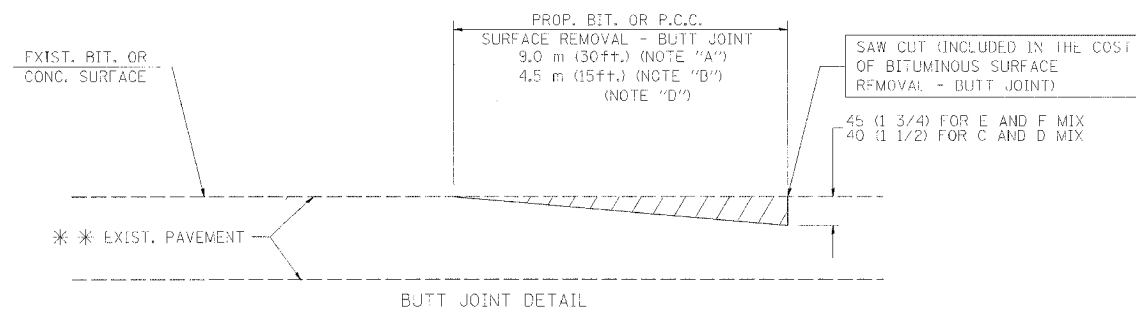
OPTION 1



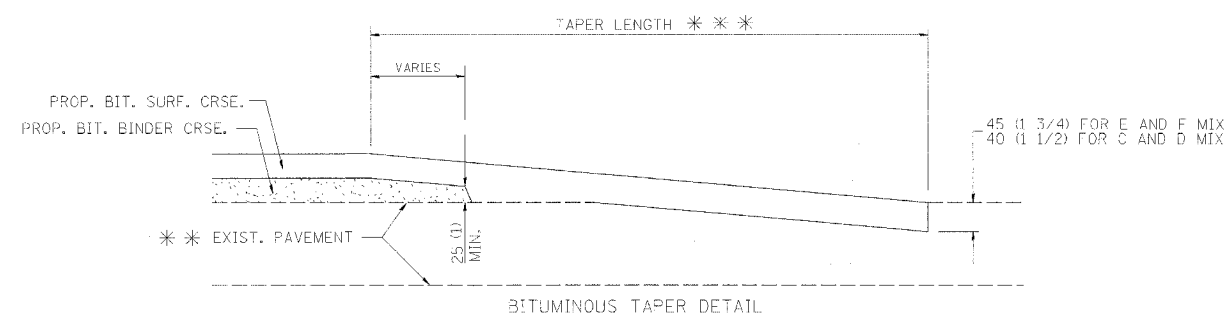
OPTION 2
TYPICAL TEMPORARY RAMP



TYPICAL BUTT JOINT AND BITUMINOUS TAPER
FOR MILLING AND RESURFACING



BUTT JOINT DETAIL



BITUMINOUS TAPER DETAIL

TYPICAL BUTT JOINT AND BITUMINOUS TAPER
FOR RESURFACING ONLY

*** PC CONCRETE, BITUMINOUS OR BITUMINOUS RESURFACED PAVEMENT.

NOTES

- A: MAINLINE ROADWAYS AND MAJOR SIDE ROADS.
- B: MINOR SIDE ROADS.
- C: THE TEMP. RAMP SHALL BE CONSTRUCTED IMMEDIATELY UPON REMOVAL OF THE EXISTING BITUMINOUS SURFACE.
- D: THE BUTT JOINT SHALL BE CONSTRUCTED IMMEDIATELY PRIOR TO PLACING THE PROPOSED BITUMINOUS COURSES.
- E: TAPER THE TEMP. RAMP AT A RATE OF 900 (3 FT.) PER INCH OF MILLING THICKNESS.
- F: INSTALLATION AND REMOVAL OF THE 1.35 m (4.5') TEMP. BIT. RAMP WILL BE PAID AS "BITUMINOUS SURFACE REMOVAL - BUTT JOINT".
- G: SEE ARTICLE 406.18 AND 406.24 OF THE STANDARD SPECIFICATIONS FOR "BITUMINOUS AND PCC SURFACE REMOVAL, BUTT JOINT".
- * SEE TYPICAL SECTIONS FOR MILLING THICKNESS.
- *** 6.1 m (20') PER 25 (1) RESURFACING (NOTE "A")
3.0 m (10') PER 25 (1) RESURFACING (NOTE "B")

ALL DIMENSIONS ARE IN MILLIMETERS (INCHES) UNLESS OTHERWISE SHOWN.

ILLINOIS DEPARTMENT OF TRANSPORTATION

BUTT JOINT AND
BITUMINOUS TAPER
DETAILS

BASIS OF PAYMENT:

THE BUTT JOINT WILL BE PAID FOR PER SQUARE METER (SQUARE YARD.) AS "BITUMINOUS SURFACE REMOVAL - BUTT JOINT" OR AS "PORTLAND CEMENT CONCRETE SURFACE REMOVAL - BUTT JOINT".

REVISIONS	
NAME	DATE
M. DE YONG	6-13-90
M. DE YONG	7-3-90
M. DE YONG	3-27-92
R. SHAH	09/09/94
R. SHAH	10/25/94
A. ABBAS	03/21/97
M. GOMEZ	04/06/01

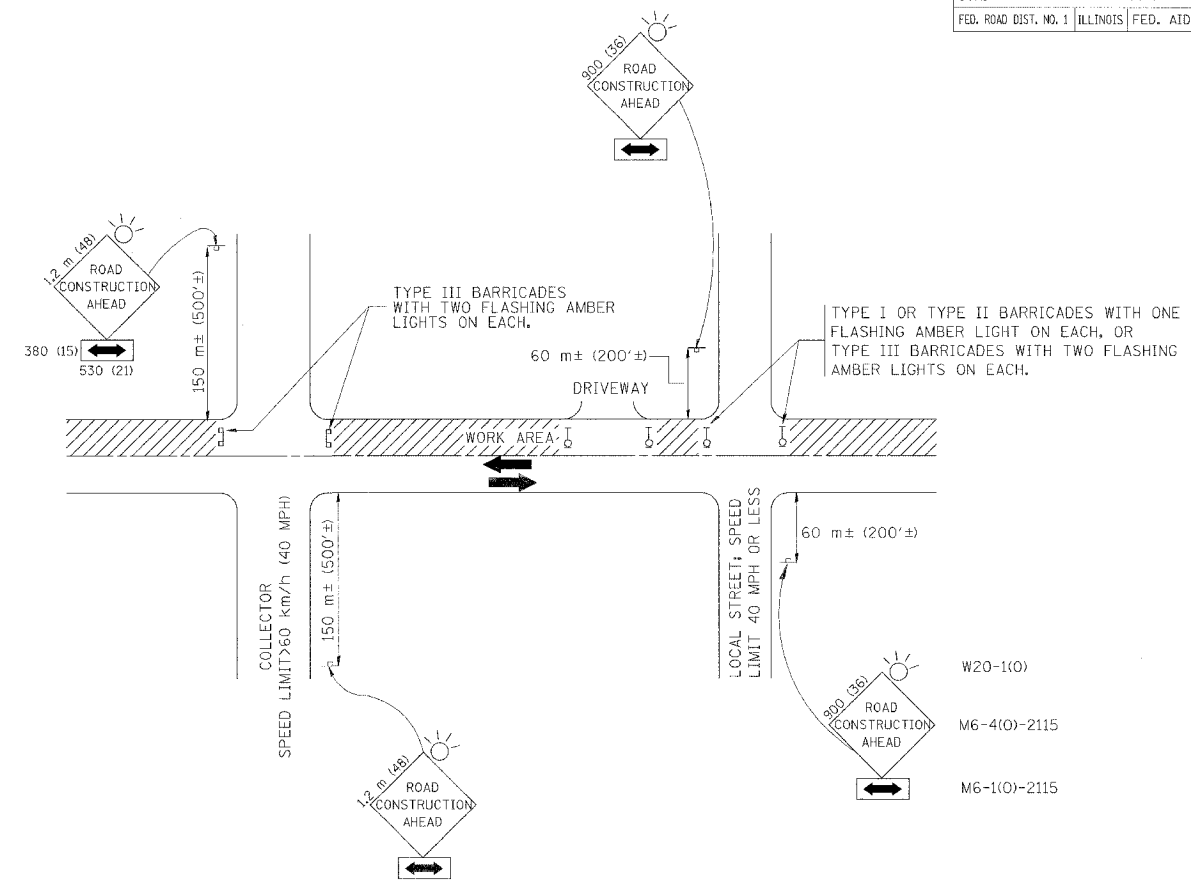
SCALE: NONE
DATE PLOTTED: 10/18/2002

DRAWN BY
CHECKED BY

BD400-05 (VI-BD32)

REVISION DATE: 04/06/01

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
			53	37
STA.		TO STA.		
FED. ROAD DIST. NO. 1	ILLINOIS	FED. AID PROJECT		



TRAFFIC CONTROL AND PROTECTION FOR SIDE ROADS, INTERSECTIONS, AND DRIVEWAYS

NOTES:

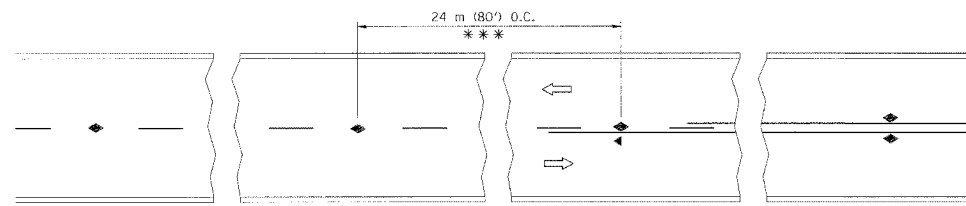
- A. FOR NO LANE RESTRICTION ON THE SIDE ROAD OR DRIVEWAYS**
- SIDE ROAD WITH A SPEED LIMIT OF 60 km/h (40 MPH) OR LESS AS SHOWN ON THE DRAWING AND AS DIRECTED BY THE ENGINEER:
 - a) ONE **ROAD CONSTRUCTION AHEAD** SIGN 900x900 (36x36) WITH A FLASHER AND FLAG MOUNTED ON IT APPROXIMATELY 60 m (200') IN ADVANCE OF THE MAIN ROUTE.
 - b) THE CLOSED PORTION OF THE MAIN ROUTE SHALL BE PROTECTED BY BLOCKING WITH TYPE I, TYPE II OR TYPE III BARRICADES, 1/3 OF THE CROSS SECTION OF THE CLOSED PORTION.
 - SIDE ROAD WITH A SPEED LIMIT GREATER THAN 60 km/h (40 MPH) AS SHOWN ON THE DRAWING AND AS DIRECTED BY THE ENGINEER:
 - a) ONE **ROAD CONSTRUCTION AHEAD** SIGN 1.2 m x 1.2 m (48x48) WITH A FLASHER MOUNTED ON IT APPROXIMATELY 150 m (500') IN ADVANCE OF THE MAIN ROUTE.
 - b) THE CLOSED PORTION OF THE MAIN ROUTE SHALL BE PROTECTED BY BLOCKING WITH TYPE III BARRICADES, 1/2 OF THE CROSS SECTION OF THE CLOSED PORTION.
 - WHEN THE SIDE ROAD LIES BETWEEN THE BEGINNING OF THE MAINLINE SIGNING AND THE WORK ZONE, A SINGLE HEADED ARROW (M6-1) SHALL BE USED IN LIEU OF THE DOUBLE HEADED ARROW (M6-4).
- B. FOR A LANE CLOSURE ON A SIDE ROAD OR DRIVEWAY:**
- USE APPLICABLE PORTIONS OF THE TYPICAL APPLICATION OF TRAFFIC CONTROL DEVICES (STD. 701501, STD. 701606 OR THE APPROPRIATE STANDARD). THE SPACING OF SIGNS AND BARRICADES SHALL BE ADJUSTED FOR FIELD CONDITIONS AS DIRECTED BY THE ENGINEER. THE DIRECTIONAL ARROW SHALL BE COVERED OR REMOVED WHEN NO LONGER CONSISTENT WITH THE SIDE ROAD LANE CLOSURE.
- C. ADVANCE WARNING SIGNS ARE TO BE OMITTED ON DRIVEWAY UNLESS OTHERWISE NOTED.**
- D. THE TRAFFIC CONTROL AND PROTECTION FOR SIDE ROADS, INTERSECTIONS, AND DRIVEWAYS SHALL BE INCIDENTAL TO THE COST OF SPECIFIED TRAFFIC CONTROL STANDARDS OR ITEMS.**

REVISIONS	
NAME	DATE
LHA	6/89
T. RAMMACHER	09/08/94
J. OBERLE	10/18/95
A. HOUSEH	03/06/96
A. HOUSEH	10/15/96
T. RAMMACHER	01/06/00

ILLINOIS DEPARTMENT OF TRANSPORTATION
TRAFFIC CONTROL AND PROTECTION FOR SIDE ROADS, INTERSECTIONS, AND DRIVEWAYS

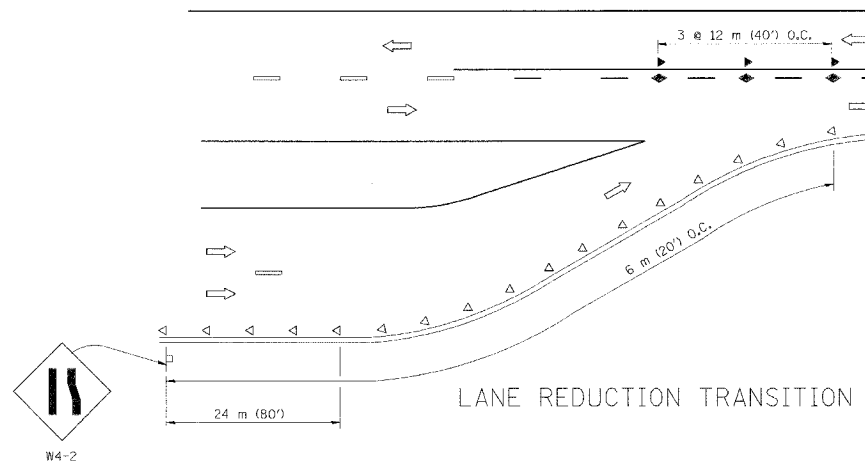
SCALE: VERT. _____
 HORIZ. _____
 DATE 10/18/2002

DRAWN BY _____
 CHECKED BY _____

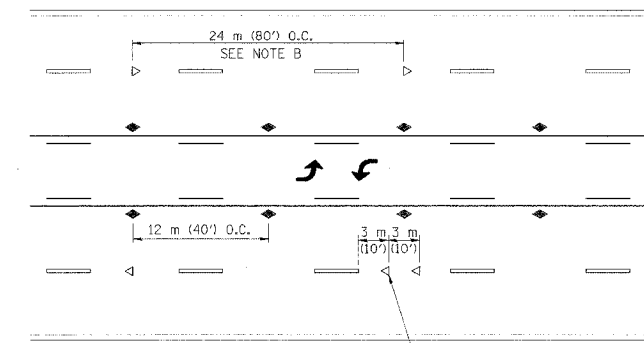


*** REDUCE TO 12 m (40') O.C. ON CURVES WITH POSTED OR ADVISORY SPEED 70 km/h (45 M.P.H.) OR LESS.

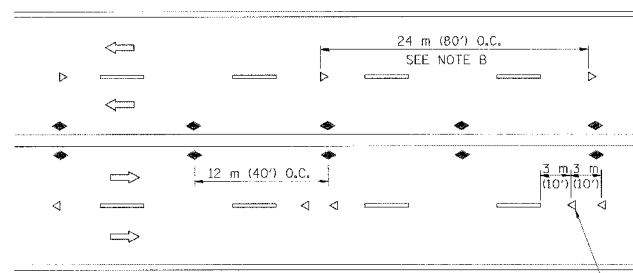
TWO-LANE/TWO-WAY



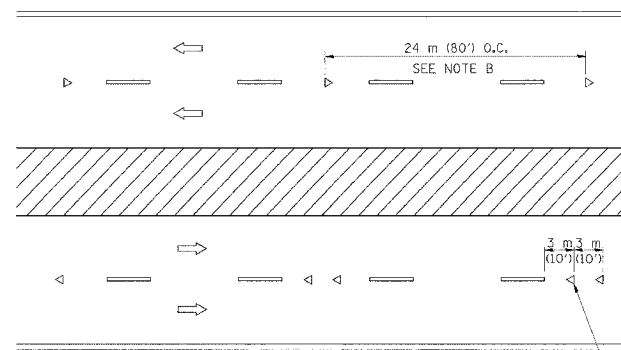
LANE REDUCTION TRANSITION



TWO-WAY LEFT TURN



MULTI-LANE/UNDIVIDED



MULTI-LANE/DIVIDED

GENERAL NOTES

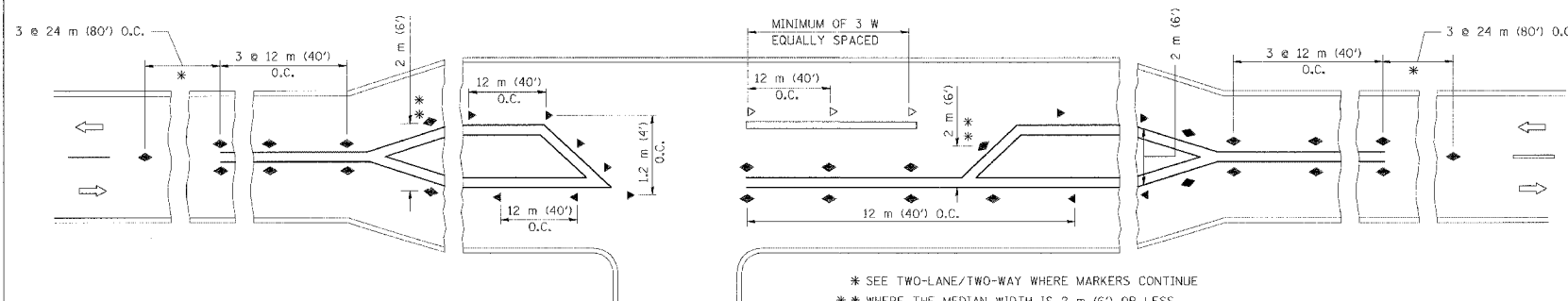
1. MARKERS USED WITH DASHED LINES SHALL BE CENTERED IN THE GAP BETWEEN SEGMENTS.
2. MARKERS USED ADJACENT TO SOLID LINES SHALL BE OFFSET 50 TO 75 (2 TO 3) TOWARD TRAFFIC AS SHOWN.
3. MARKERS THROUGH TANGENTS LESS THAN 150 m (500') IN LENGTH BETWEEN CURVES SHALL BE INSTALLED AT THE LESSER OF THE TWO CURVE SPACINGS.

SYMBOLS

- YELLOW STRIPE
- WHITE STRIPE
- ◀ ONE-WAY AMBER MARKER
- ◁ ONE-WAY CRYSTAL MARKER (W/O)
- ◆ TWO-WAY AMBER MARKER

LANE MARKER NOTES

- B. REDUCE TO 12 m (40') O.C. ON CURVES WHERE ADVISORY SPEEDS ARE 20 km/h (10 M.P.H.) LOWER THAN POSTED SPEEDS.
- A. USE DOUBLE LANE LINE MARKERS SPACED AS SHOWN.



LEFT TURN

* SEE TWO-LANE/TWO-WAY WHERE MARKERS CONTINUE
 ** WHERE THE MEDIAN WIDTH IS 2 m (6') OR LESS USE TWO-WAY MARKERS.

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

ILLINOIS DEPARTMENT OF TRANSPORTATION
 TYPICAL APPLICATIONS
 RAISED REFLECTIVE PAVEMENT MARKERS
 (SNOW-PLOW RESISTANT)

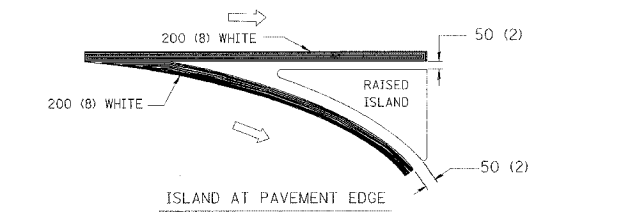
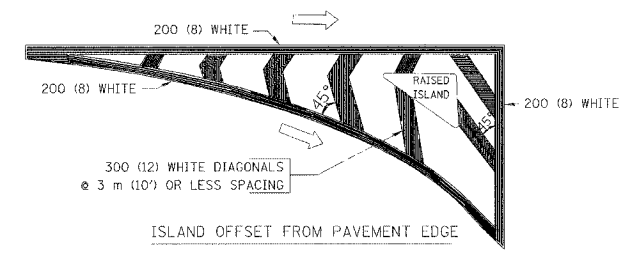
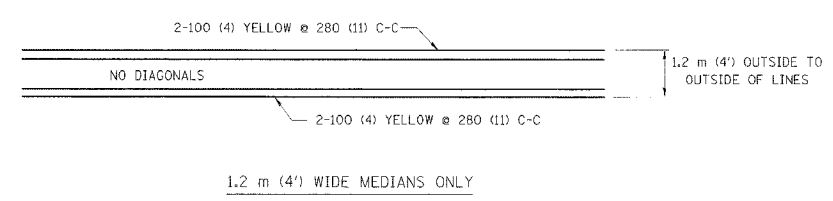
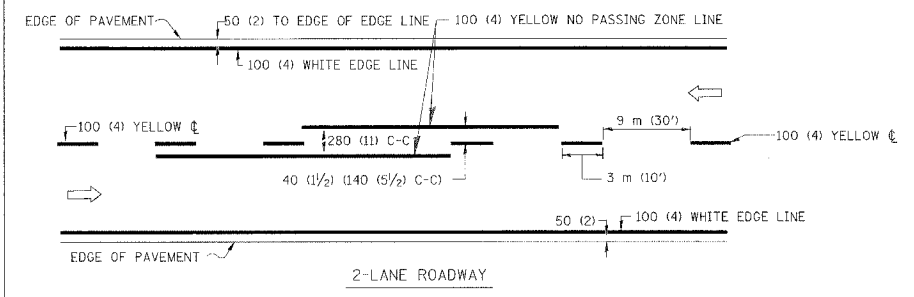
REVISIONS	
NAME	DATE
T. RAMMACHER	09-19-94
T. RAMMACHER	03-12-99
T. RAMMACHER	01-06-00

SCALE: NONE
 DATE: 10/18/2002

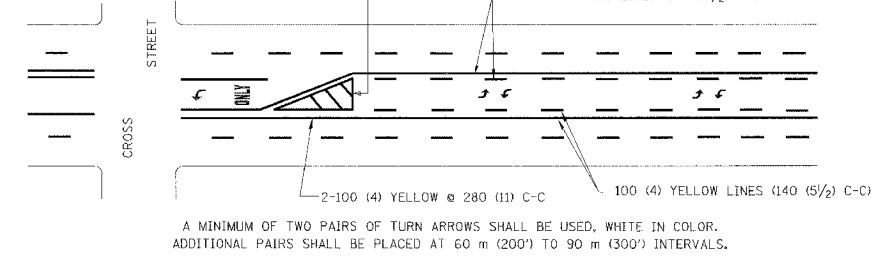
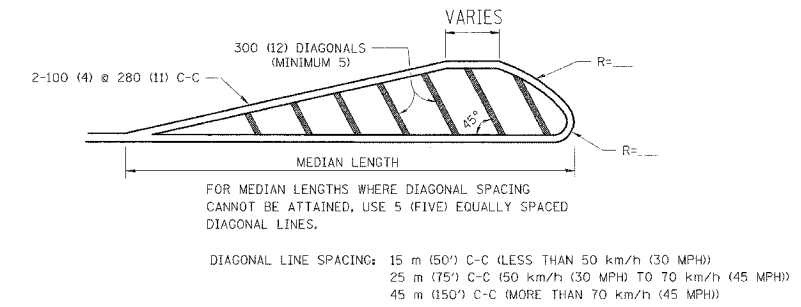
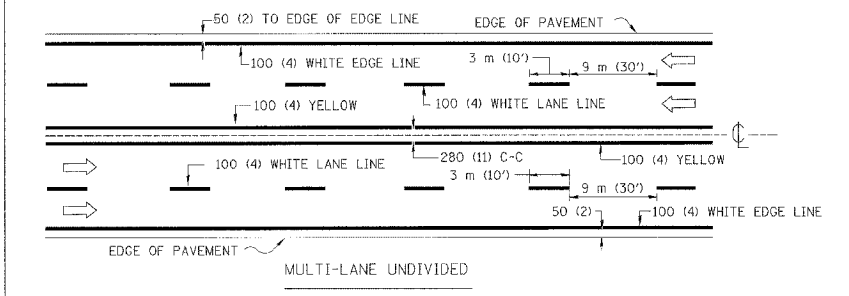
DRAWN BY CADD
 CHECKED BY

TC-11

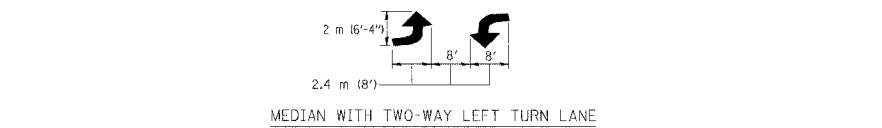
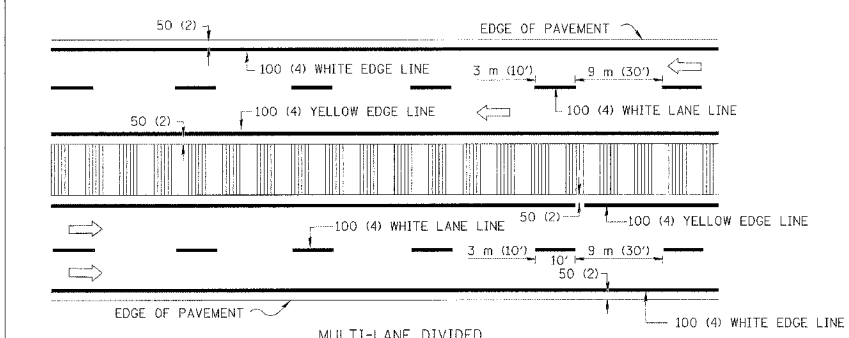
REVISION DATE: 01/06/00



TYPICAL ISLAND MARKING



TYPICAL PAINTED MEDIAN MARKING



TYPICAL LEFT (OR RIGHT) TURN LANE MARKING

TYPE OF MARKING	WIDTH OF LINE	PATTERN	COLOR	SPACING / REMARKS
CENTERLINE ON 2 LANE PAVEMENT	100 (4)	SKIP-DASH	YELLOW	3 m (10') LINE WITH 9 m (30') SPACE
CENTERLINE ON MULTI-LANE UNDIVIDED PAVEMENT	2 @ 100 (4)	SOLID	YELLOW	280 (11) C-C
NO PASSING ZONE LINES: FOR ONE DIRECTION	100 (4)	SOLID	YELLOW	140 (5 1/2) C-C FROM SKIP-DASH CENTERLINE
NO PASSING ZONE LINES: FOR BOTH DIRECTIONS	2 @ 100 (4)	SOLID	YELLOW	280 (11) C-C OMIT SKIP-DASH CENTERLINE BETWEEN
LANE LINES	100 (4) 125 (5) ON FREEWAYS	SKIP-DASH SKIP-DASH	WHITE WHITE	3 m (10') LINE WITH 9 m (30') SPACE
DOTTED LINES (EXTENSIONS OF CENTER, LANE OR TURN LANE MARKINGS)	SAME AS LINE BEING EXTENDED	SKIP-DASH	SAME AS LINE BEING EXTENDED	600 (2') LINE WITH 1.8 m (6') SPACE
EDGE LINES	100 (4)	SOLID	YELLOW-LEFT WHITE-RIGHT	OUTLINE MOUNTABLE MEDIANS IN YELLOW; EDGE LINES ARE NOT USED NEXT TO BARRIER CURB
TURN LANE MARKINGS	150 (6) LINE; FULL SIZE LETTERS & SYMBOLS (2.4 m (8'))	SOLID	WHITE	SEE TYPICAL TURN LANE MARKING DETAIL
TWO WAY LEFT TURN MARKING	2 @ 100 (4) EACH DIRECTION	SKIP-DASH AND SOLID	YELLOW	3 m (10') LINE WITH 9 m (30') SPACE FOR SKIP-DASH; 140 (5 1/2) C-C BETWEEN SOLID LINE AND SKIP-DASH LINE
	2.4 m (8') LEFT ARROW	IN PAIRS	WHITE	SEE TYPICAL TWO-WAY LEFT TURN MARKING DETAIL
CROSSWALK LINES (PEDESTRIAN) A. DIAGONALS (BIKE & EQUESTRIAN) B. LONGITUDINAL BARS (SCHOOL)	2 @ 150 (6) 300 (12) @ 45° 300 (12) @ 90°	SOLID SOLID SOLID	WHITE WHITE WHITE	NOT LESS THAN 1.8 m (6') APART 600 (2') APART SEE TYPICAL CROSSWALK MARKING DETAILS.
STOP LINES	600 (24)	SOLID	WHITE	PLACE 1.2 m (4') IN ADVANCE OF AND PARALLEL TO CROSSWALK, IF PRESENT. OTHERWISE, PLACE AT DESIRED STOPPING POINT, PARALLEL TO CROSSROAD CENTERLINE, WHERE POSSIBLE
PAINTED MEDIANS	2 @ 100 (4) WITH 300 (12) DIAGONALS @ 45°	SOLID	YELLOW: TWO WAY TRAFFIC WHITE: ONE WAY TRAFFIC	280 (11) C-C FOR THE DOUBLE LINE SEE TYPICAL PAINTED MEDIAN MARKING.
GORE MARKING AND CHANNELIZING LINES	200 (8) WITH 300 (12) DIAGONALS @ 45°	SOLID	WHITE	DIAGONALS: 4.5 m (15') C-C (LESS THAN 50 km/h (30 MPH)) 6 m (20') C-C (50 km/h (30 MPH) TO 70 km/h (45 MPH)) 9 m (30') C-C (OVER 70 km/h (45 MPH))
RAILROAD CROSSING	600 (24) TRANSVERSE LINES; "RR" IS 1.8 m (6') LETTERS; 400 (16) LINE FOR "X"	SOLID	WHITE	SEE STATE STANDARD 780001 AREA OF: "R"=0.33m ² (3.6 SQ. FT.) EACH "X"=5.0 m ² (54.0 SQ. FT.)
SHOULDER DIAGONALS	300 (12) @ 45°	SOLID	WHITE - RIGHT YELLOW - LEFT	15 m (50') C-C (LESS THAN 50 km/h (30 MPH)) 25 m (75') C-C (50 km/h (30 MPH) TO 70 km/h (45 MPH)) 45 m (150') C-C (OVER 70 km/h (45 MPH))

FOR FURTHER DETAILS ON PAVEMENT MARKING REFER TO STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION AND STATE STANDARD 780001.

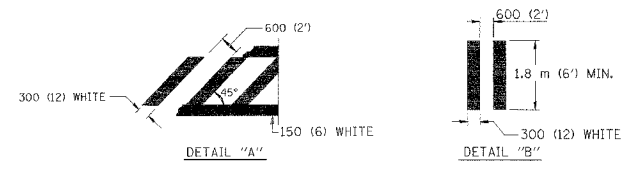
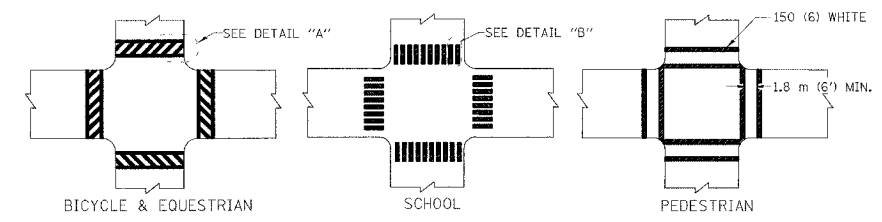
All dimensions are in millimeters (inches) unless otherwise shown.

ILLINOIS DEPARTMENT OF TRANSPORTATION
DISTRICT ONE
TYPICAL PAVEMENT MARKINGS

REVISIONS	
NAME	DATE
EVERS	03-19-90
T. RAMMACHER	10-27-94
ALEX HOUSEH	10-09-96
ALEX HOUSEH	10-17-96
T. RAMMACHER	01-06-00

SCALE: NONE
DATE 10/18/2002
DRAWN BY CADD
CHECKED BY
TC-13

TYPICAL LANE AND EDGE LINE MARKING

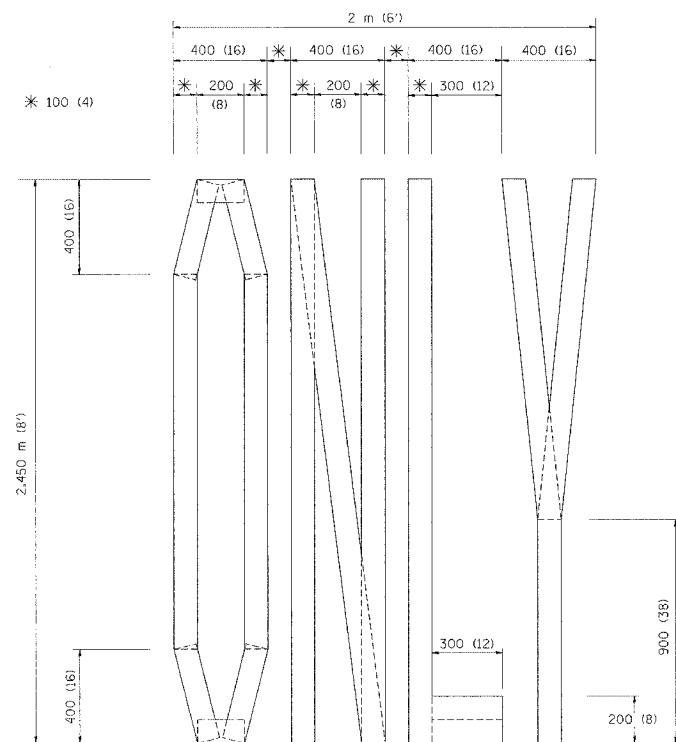


TYPICAL CROSSWALK MARKING

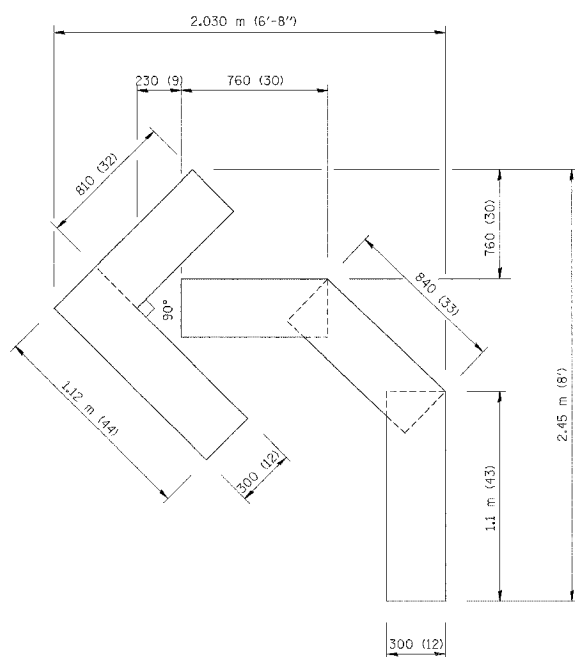
FULL SIZE LETTERS 2.4 m (8') AND ARROWS SHALL BE USED.
AREA = 1.5 m² (15.6 SQ. FT.) ONLY AREA = 1.9 m² (20.8 SQ. FT.)

* TURN LANES IN EXCESS OF 120 m (400') IN LENGTH MAY HAVE AN ADDITIONAL SET OF ARROW - "ONLY" INSTALLED MIDWAY BETWEEN THE OTHER TWO SETS OF ARROW - "ONLY".

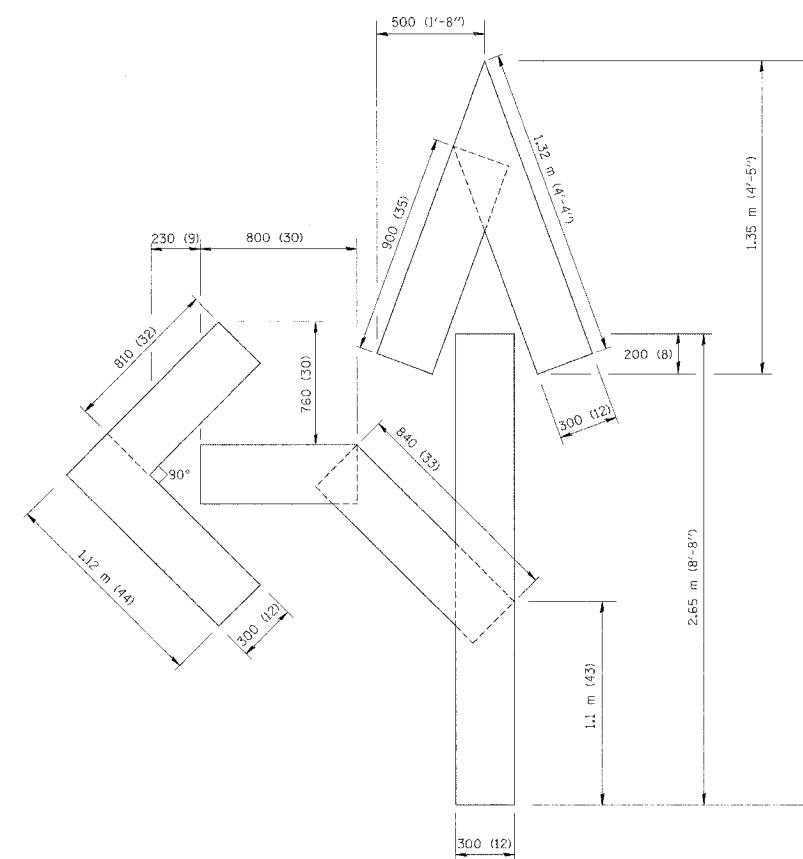
TYPICAL TURN LANE MARKING



QUANTITY
 100 (4) LINE = 19.7 m (64.1 ft.)
 1.97 sq. m (21.1 sq. ft.)



QUANTITY
 100 (4) LINE = 13.9 m (45.5 ft.)
 1.39 sq. m (15.2 sq. ft.)



QUANTITY
 100 (4) LINE = 25.3 m (82.5 ft.)
 2.53 sq. m (27.5 sq. ft.)

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

ILLINOIS DEPARTMENT OF TRANSPORTATION

PAVEMENT MARKING
 LETTERS AND SYMBOLS
 FOR TRAFFIC STAGING

REVISIONS	
NAME	DATE
T. RAMMACHER	09/18/94
J. OBERLE	06/01/96
T. RAMMACHER	06/05/96
T. RAMMACHER	11/04/97
T. RAMMACHER	03/02/98
E. GOMEZ	08/28/00

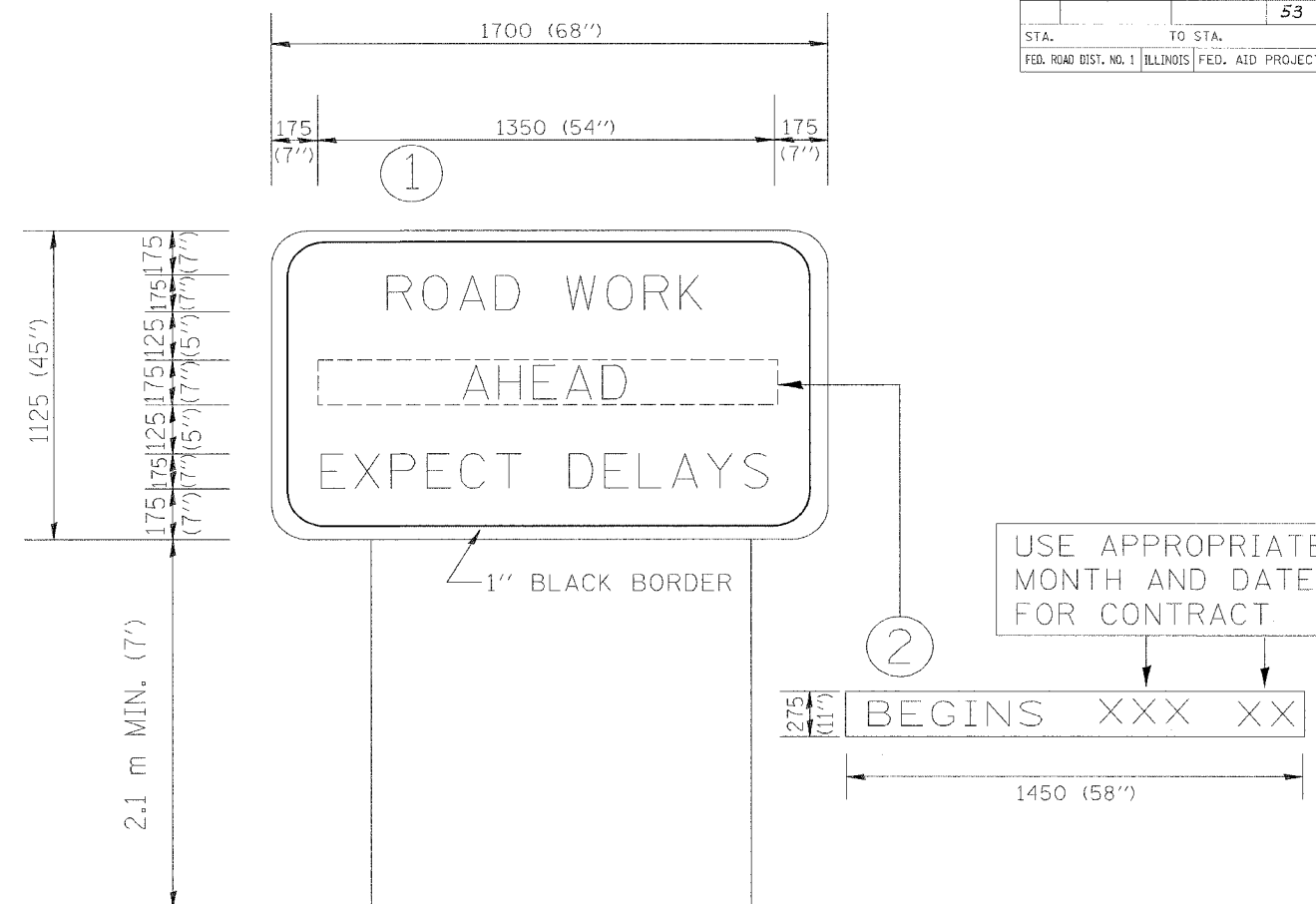
SCALE: NONE
 DATE 10/18/2002

DRAWN BY CADD
 CHECKED BY

TC-16

REVISION DATE: 08/28/00

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
			53	41
STA.	TO STA.			
FED. ROAD DIST. NO. 1	ILLINOIS	FED. AID PROJECT		



NOTES:

1. USE BLACK LETTERING ON ORANGE BACKGROUND.
2. ERECT SIGNS IN ADVANCE OF THE LOCATION FOR THE "ROAD CONSTRUCTION AHEAD" SIGN AT LOCATIONS AS DIRECTED BY THE ENGINEER.
3. ERECT SIGN ① WITH INSTALLED PANEL ② ONE WEEK PRIOR TO THE START OF CONSTRUCTION.
4. REMOVE PANEL ② SOON AFTER THE START OF CONSTRUCTION.
5. SEE SPECIAL PROVISION FOR "TEMPORARY INFORMATION SIGNING" FOR ADDITIONAL INFORMATION.
6. ONE SIGN ASSEMBLY EQUALS 2.3 SQ. M. (25.70 SQ. FT.)

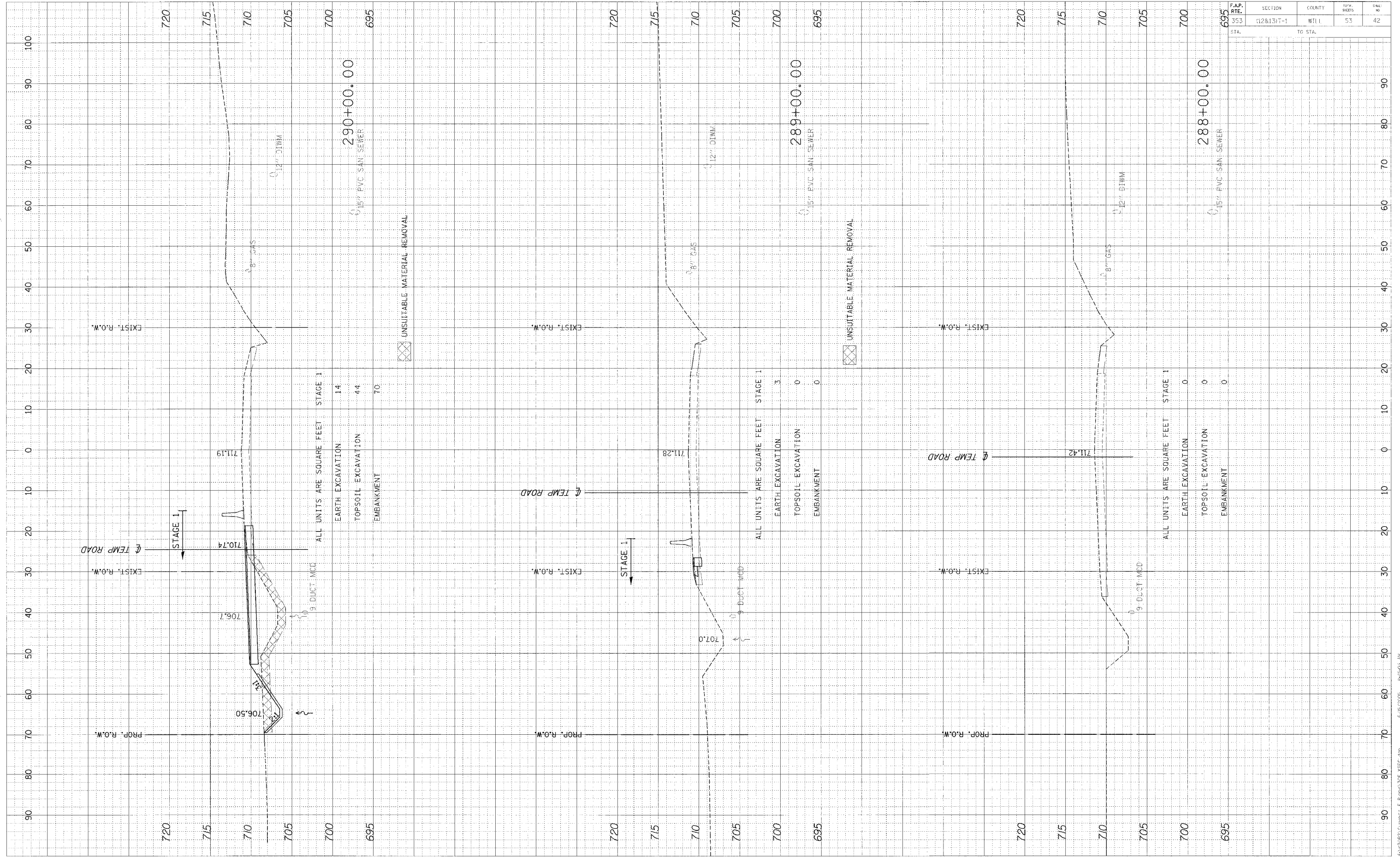
ALL DIMENSIONS ARE IN MILLIMETERS (INCHES) UNLESS OTHERWISE SHOWN.

REVISIONS		ILLINOIS DEPARTMENT OF TRANSPORTATION TEMPORARY INFORMATION SIGNING
NAME	DATE	
R. MIRS	9-15-97	SCALE: DATE 10/18/2002
R. MIRS	12-11-97	
T. RAMMACHER	2-2-99	
		DRAWN BY: BUR. OF DESIGN CHECKED BY
		TC22
		REVISION DATE: 02/02/99

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
353	(12&13)T-1	WILLI	53	42

FINAL SURVEY	DATE
REVISIONS	BY
PLOTTED	
TEMPLATE	
AREAS	
CHECKED	

ORIGINAL SURVEY	DATE
REVISIONS	BY
PLOTTED	
TEMPLATE	
AREAS	
CHECKED	



290+00.00

15" PVC SAN SEWER	14
8" GAS	44
12" STW	70

289+00.00

15" PVC SAN SEWER	3
8" GAS	0
12" STW	0

288+00.00

15" PVC SAN SEWER	0
8" GAS	0
12" STW	0

STAGE 1

ALL UNITS ARE SQUARE FEET

EARTH EXCAVATION	14
TOPSOIL EXCAVATION	44
EMBANKMENT	70

STAGE 1

ALL UNITS ARE SQUARE FEET

EARTH EXCAVATION	3
TOPSOIL EXCAVATION	0
EMBANKMENT	0

STAGE 1

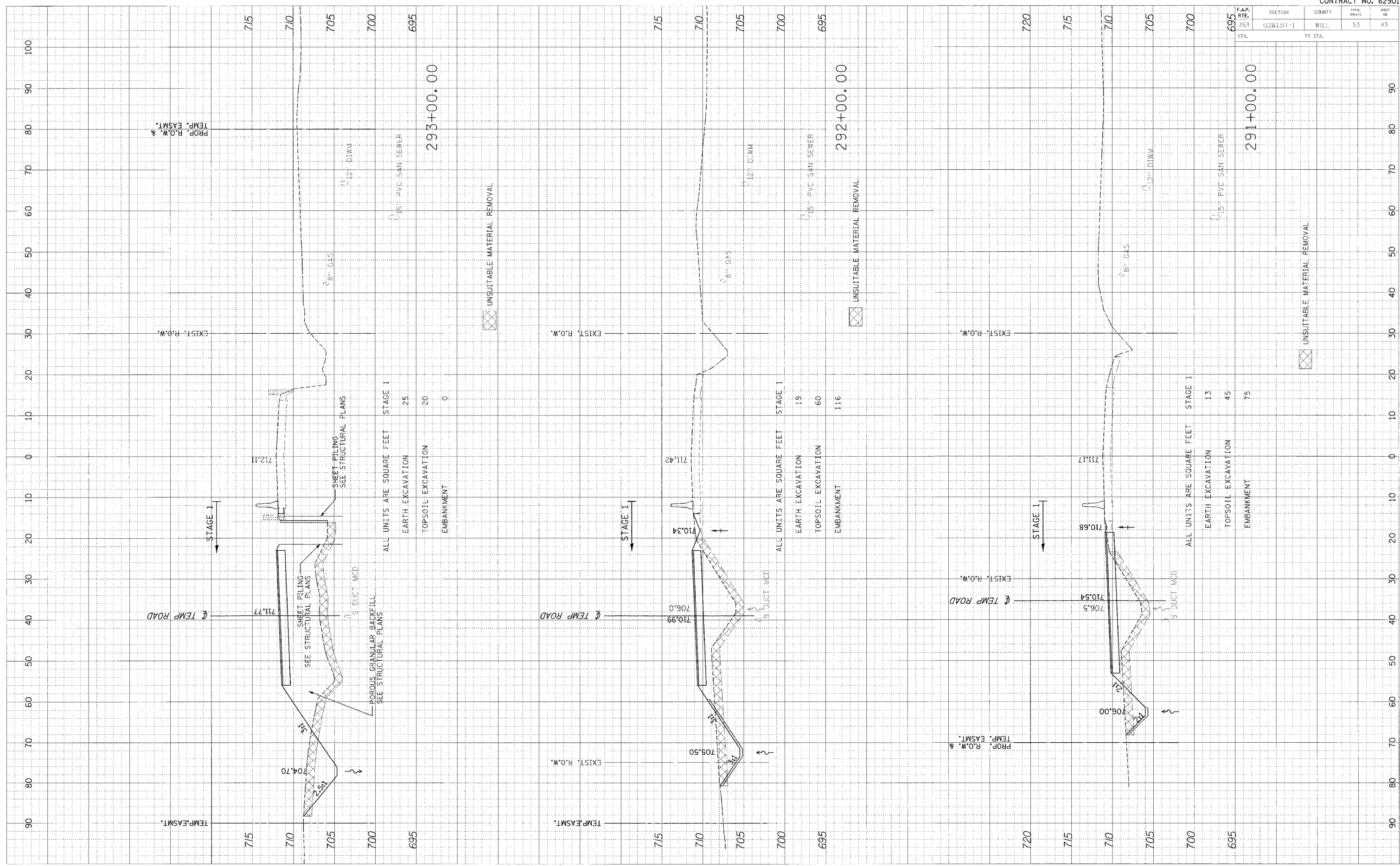
ALL UNITS ARE SQUARE FEET

EARTH EXCAVATION	0
TOPSOIL EXCAVATION	0
EMBANKMENT	0

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
353	(12&13)-1	WILL.	53	43

FINAL SURVEY	BY	DATE
DESIGNED		
PLOTTED		
TEMP. E.C.		
NOTE BOOK		
AREAS		
PREPARED		

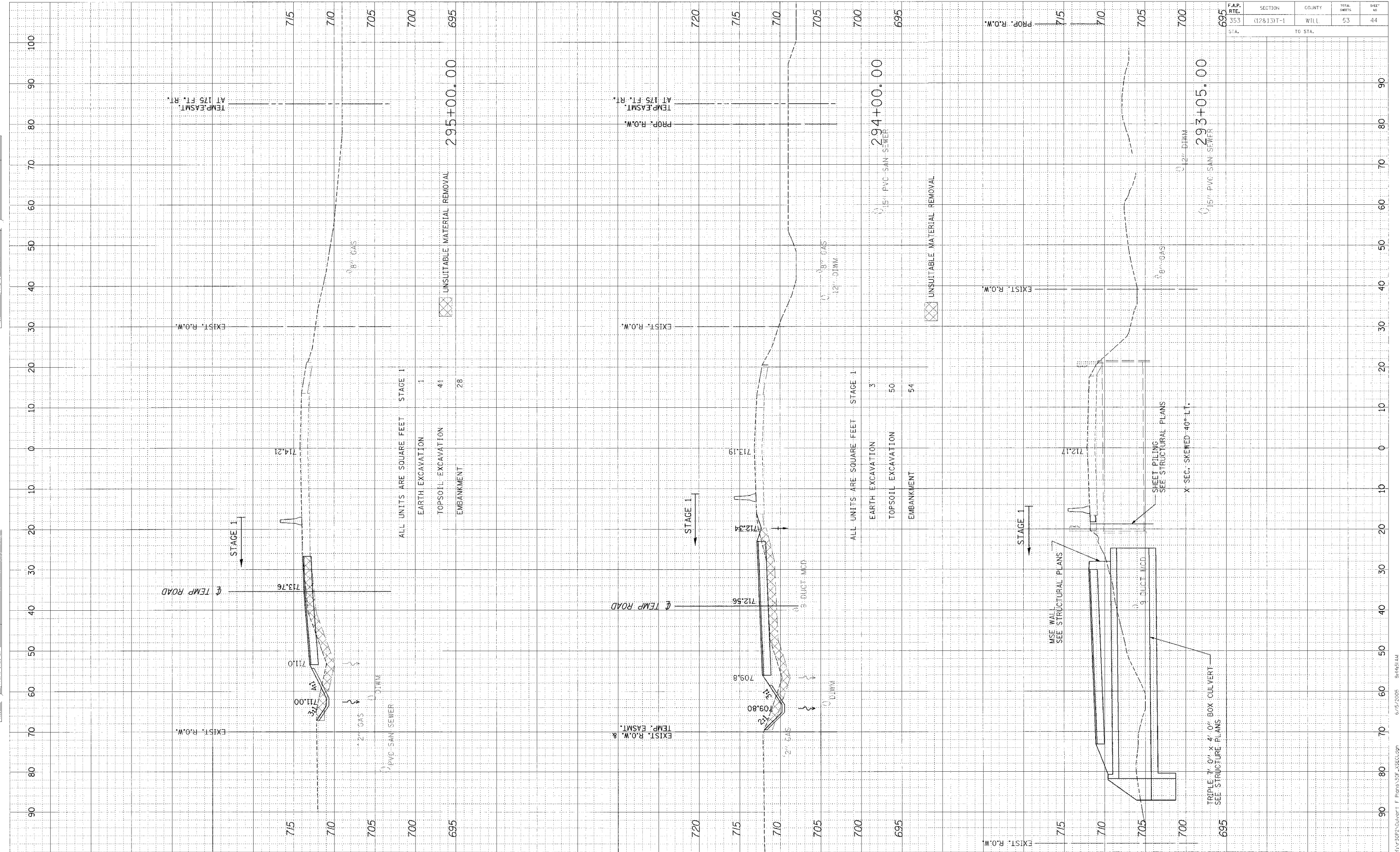
ORIGINAL SURVEY	BY	DATE
DESIGNED		
PLOTTED		
TEMP. E.C.		
NOTE BOOK		
AREAS		
CHECKED		



F.A.P. R.TE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
353	(12&13)T-1	WILL	53	44

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

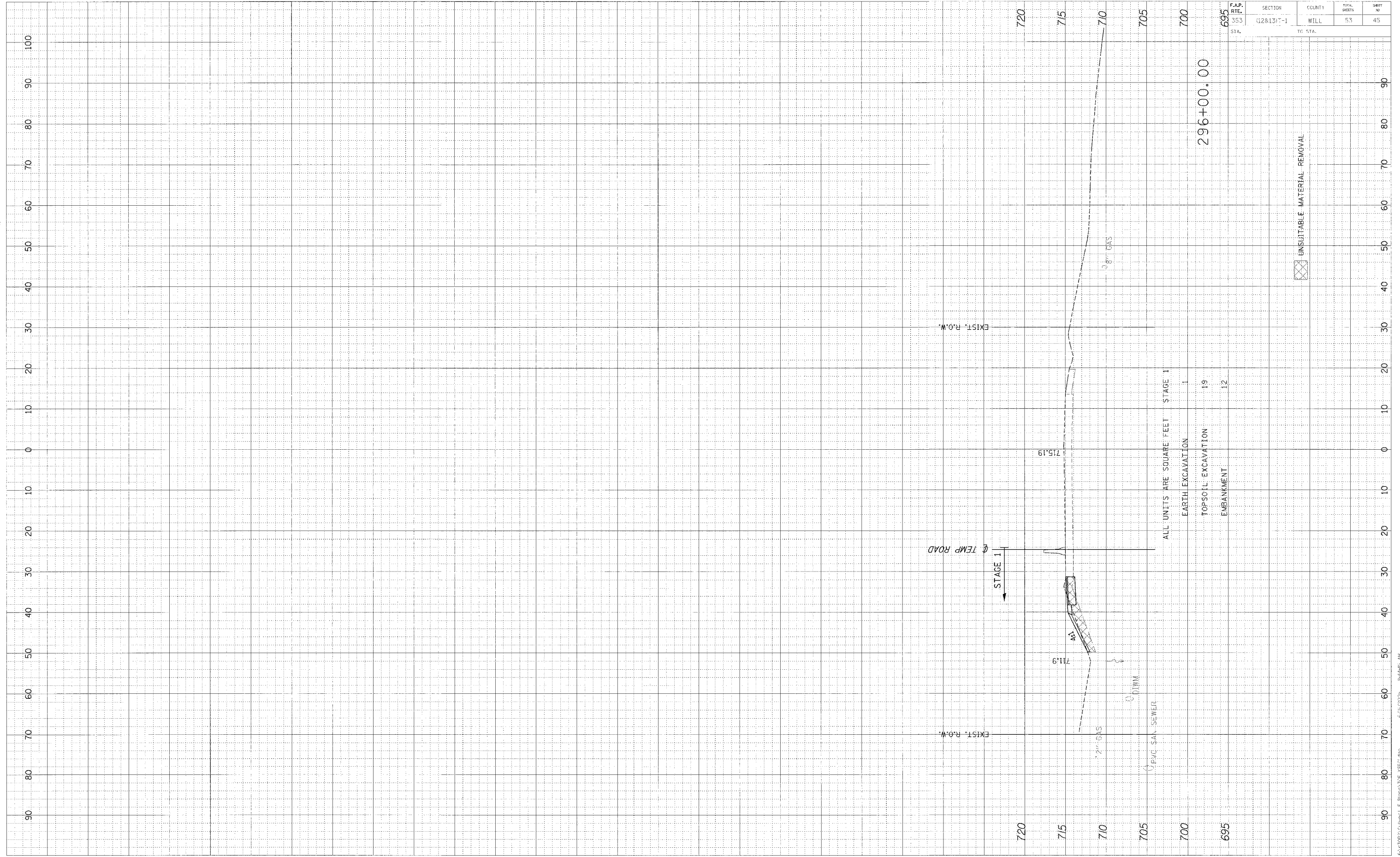
ORIGINAL SURVEY	SURVEYED	DATE
NOTE BOOK NO.	PLOTTED	
AREAS CHECKED	AREAS CHECKED	



F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
353	(12&13)*-1	WILL	53	45

FINAL SURVEY	DATE
REVISIONS	BY
NOTED	
PLOTTED	
TEMPLATE	
AREAS CHECKED	
PREPARED	

ORIGINAL SURVEY	DATE
REVISIONS	BY
NOTED	
PLOTTED	
TEMPLATE	
AREAS CHECKED	
PREPARED	

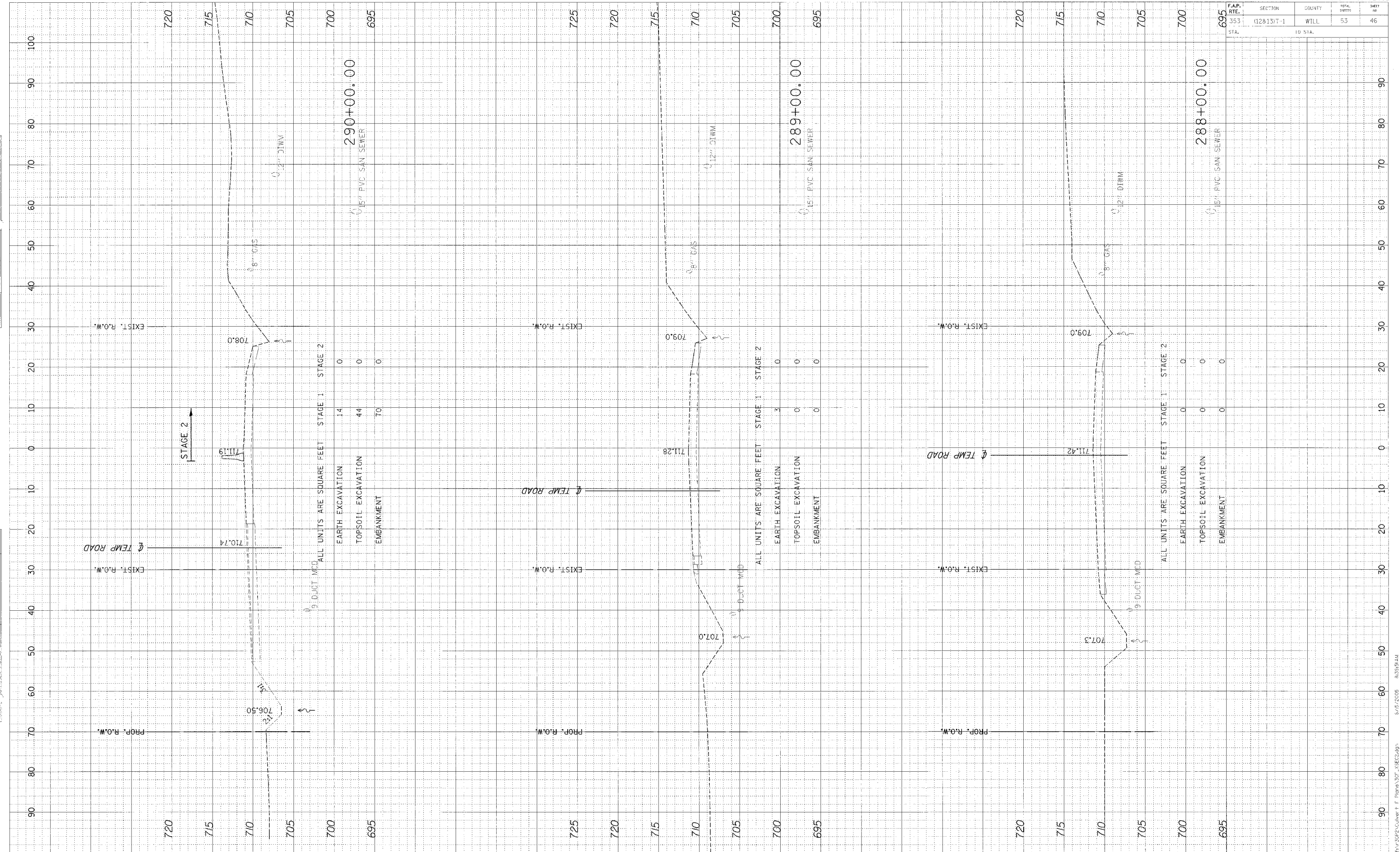


CROSS SECTIONS - STAGE 1

F.A.P. R.E. STA.	SECTION	COUNTY	TOTL. SHEETS	SHEET NO.
353	(12&13)7-1	WTL	53	46

DATE	BY
DATE	BY

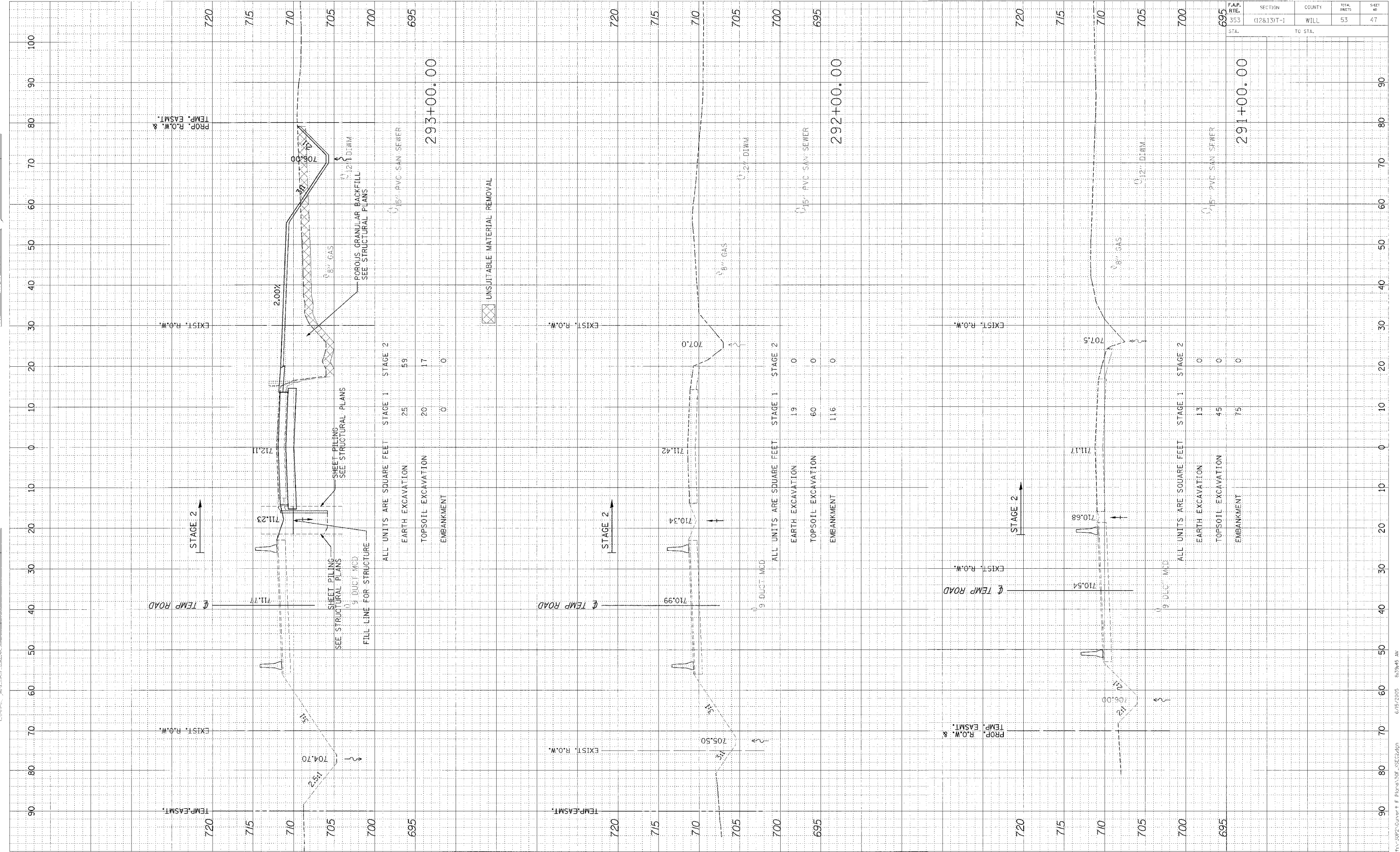
DATE	BY
DATE	BY



F.A.P. RITE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
353	(12&13)T-1	WILL	53	47

FINAL SURVEY	SURVEYED	BY	DATE
NOTE BOOK	PLOTTED		
	DATE		
	AREAS CHECKED		

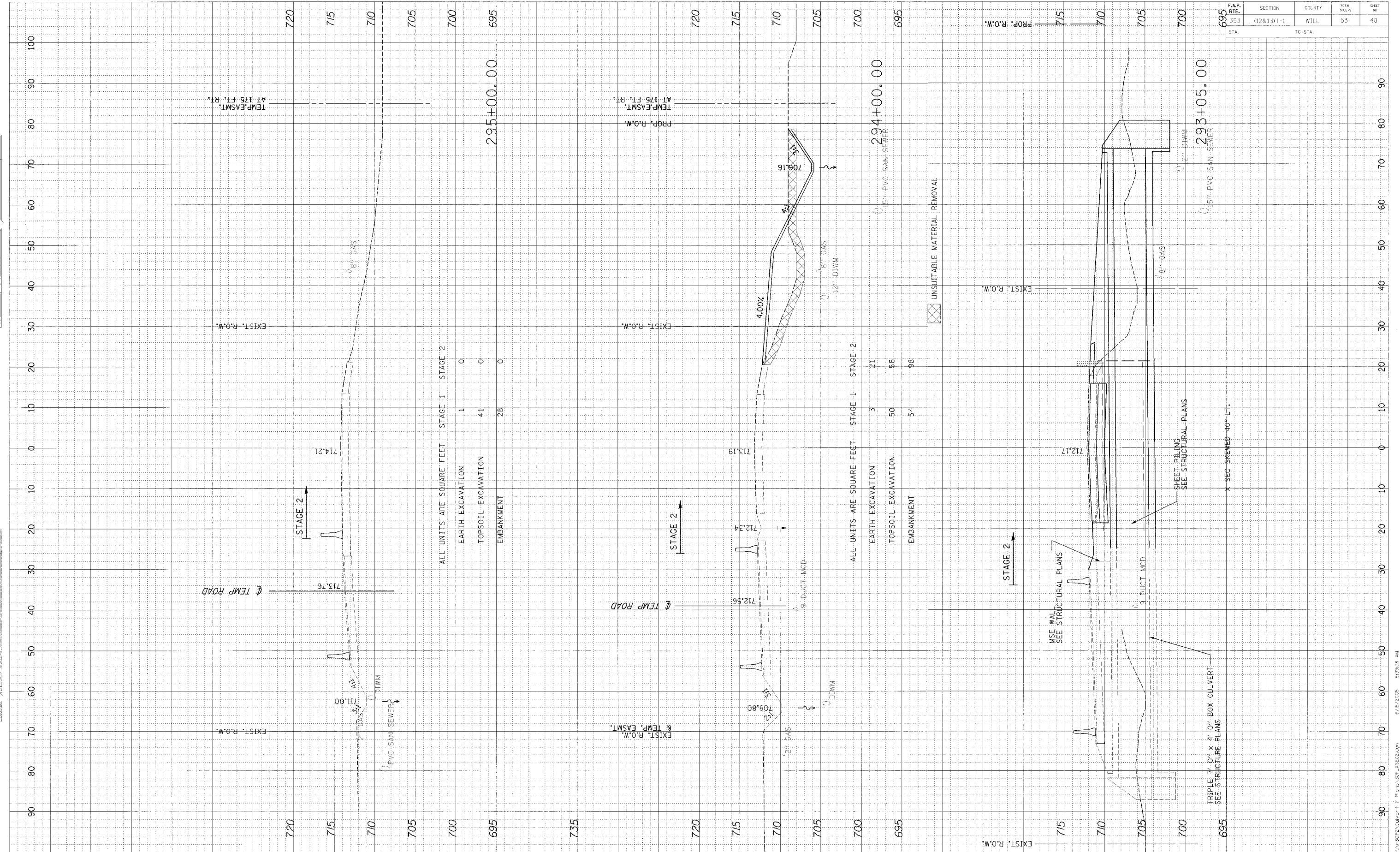
ORIGINAL SURVEY	SURVEYED	BY	DATE
NOTE BOOK	PLOTTED		
	DATE		
	AREAS CHECKED		



F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
353	(12&15)-1	WILL	53	48
STA.	TC STA.			

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

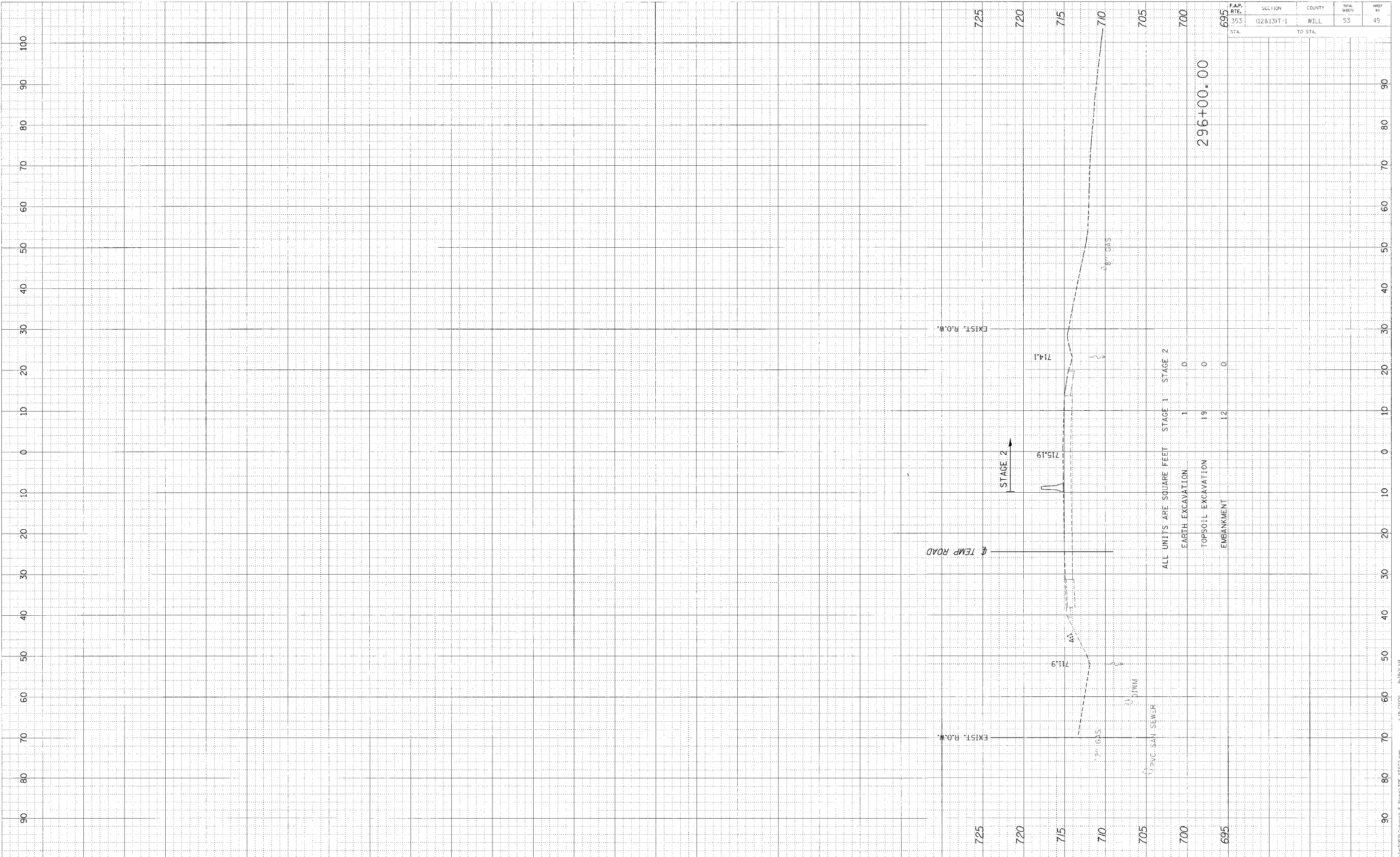
ORIGINAL SURVEY	SURVEYED	BY	DATE
NOTE BOOK	PLOTTED		
NO.	AREAS CHECKED		



F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
353	(12&13)T-1	WILL	53	49

ORIGINAL SURVEY	DATE
BY	
NO.	

ORIGINAL SURVEY	DATE
BY	
NO.	

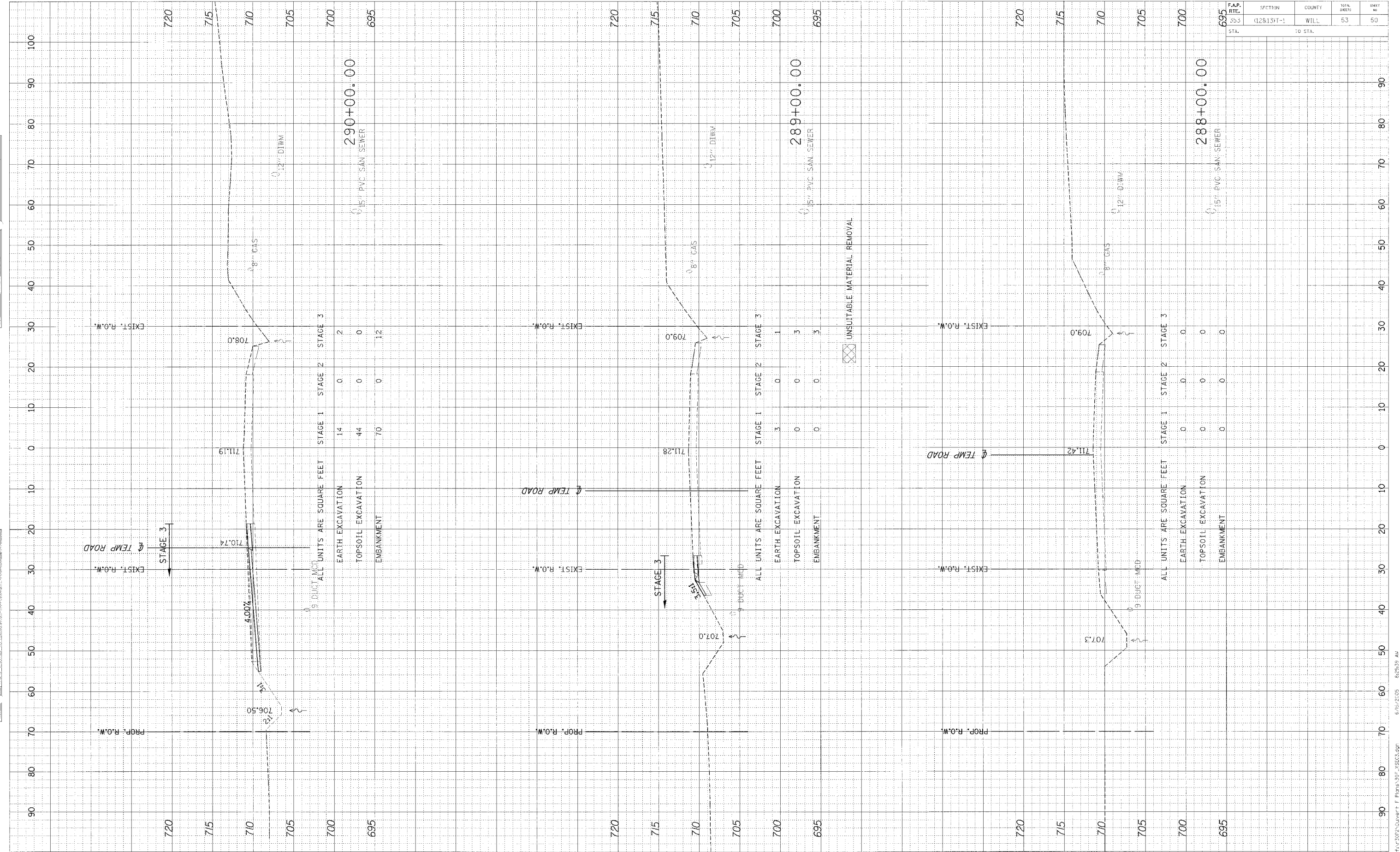


ALL UNITS ARE SQUARE FEET	STAGE 1	STAGE 2
EARTH EXCAVATION	1	0
TOPSOIL EXCAVATION	19	0
EMBANKMENT	12	0
	296+00.00	

F.A.P. RE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
353	(12&13)T-1	WILL.	53	50

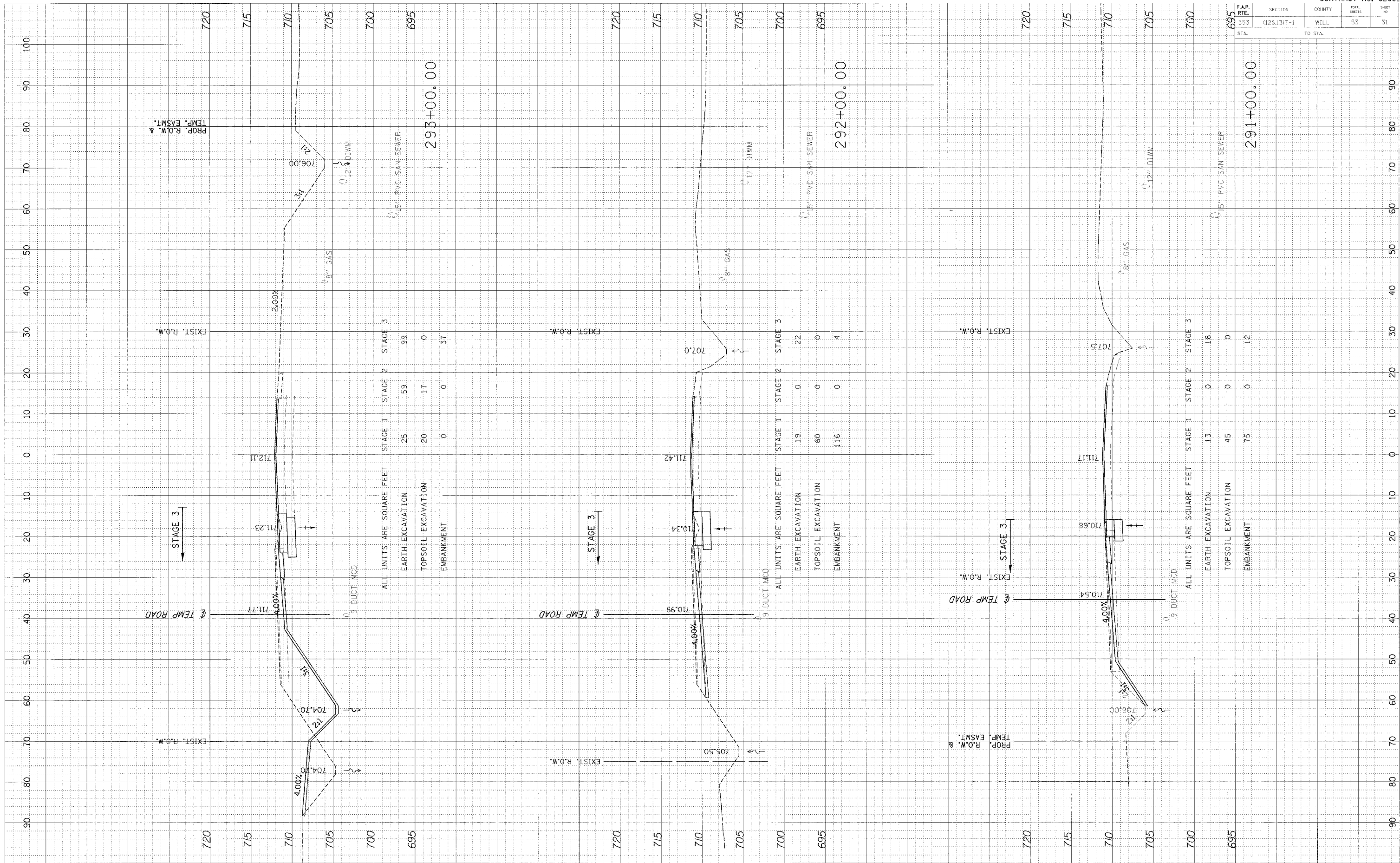
FINAL SURVEY	DATE
SKETCHED	BY
PLOTTED	
NOTE BOOK	
AREAS CHECKED	

ORIGINAL SURVEY	DATE
SKETCHED	BY
PLOTTED	
NOTE BOOK	
AREAS CHECKED	



FINAL SURVEY DATE
 REVISIONS
 NO. DATE
 BY
 CHECKED
 DATE
 BY

ORIGINAL SURVEY DATE
 REVISIONS
 NO. DATE
 BY
 CHECKED
 DATE
 BY

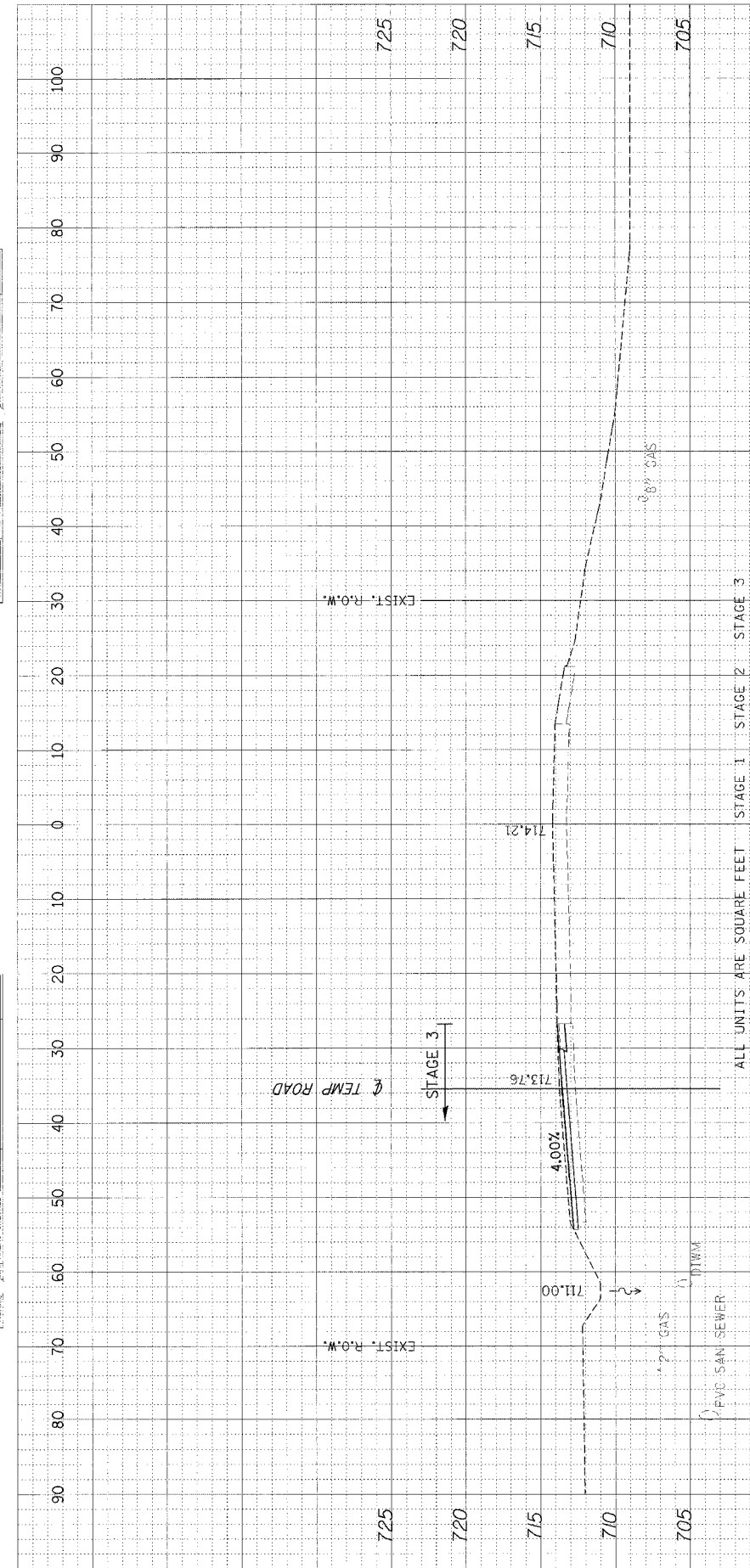


F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
353	(12&13)T-1	WILL	53	51

F.A.P. RE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
353	(12&13)T-1	WILL	53	52
SIA.		TO STA.		

FINAL SURVEY	DATE
BY	
NO. _____	

INITIAL SURVEY	DATE
BY	
NO. _____	



ALL UNITS ARE SQUARE FEET

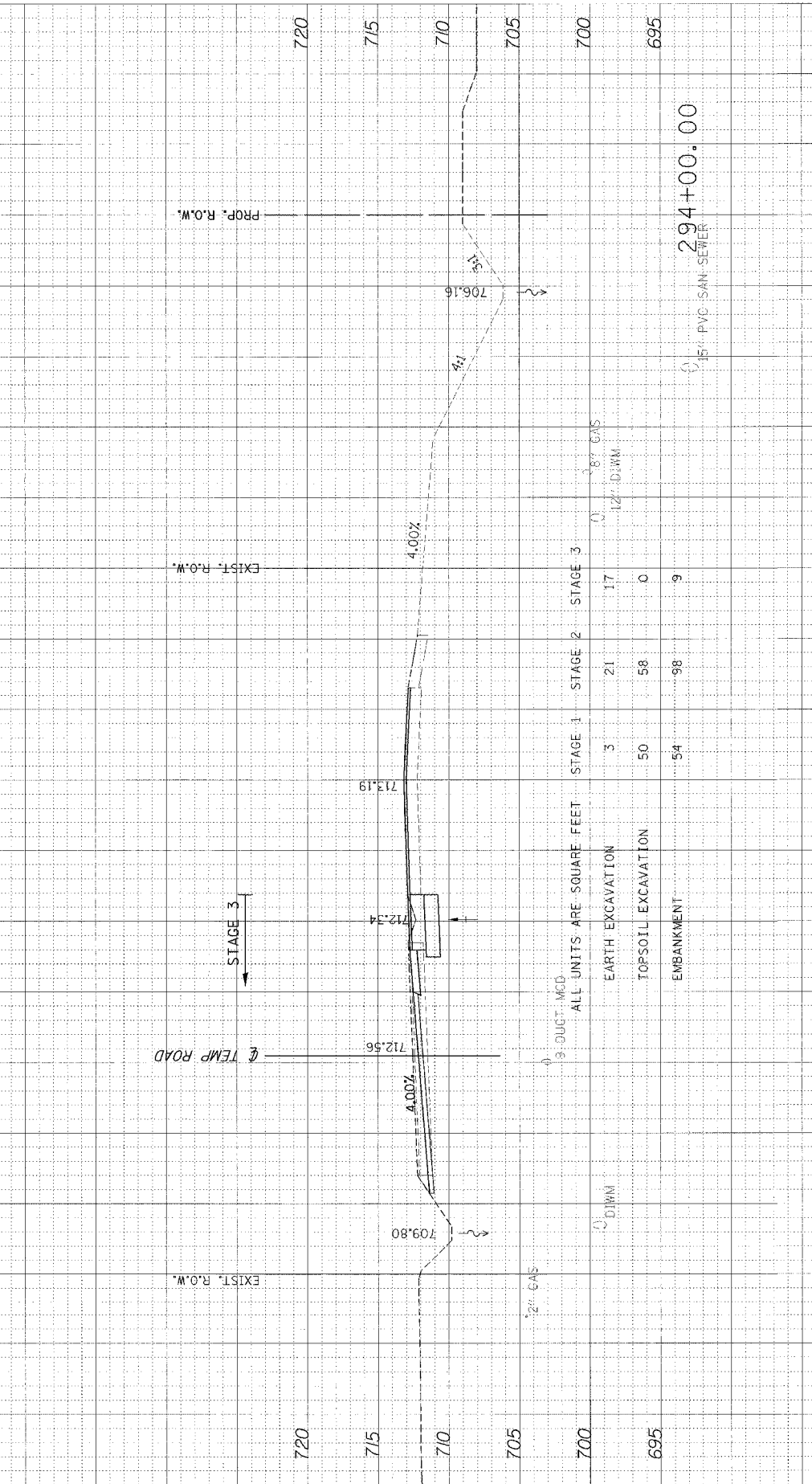
	STAGE 1	STAGE 2	STAGE 3
EARTH EXCAVATION	1	0	0
TOPSOIL EXCAVATION	41	0	0
EMBANKMENT	28	0	15

295+00.00

ALL UNITS ARE SQUARE FEET

	STAGE 1	STAGE 2	STAGE 3
EARTH EXCAVATION	1	0	0
TOPSOIL EXCAVATION	41	0	0
EMBANKMENT	28	0	15

294+00.00



ALL UNITS ARE SQUARE FEET

	STAGE 1	STAGE 2	STAGE 3
EARTH EXCAVATION	3	21	17
TOPSOIL EXCAVATION	50	58	0
EMBANKMENT	54	98	9

293+05.00

