

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION
DIVISION OF HIGHWAYS

F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
357	86-00075-07-PV	WOODFORD	17	1
		ILLINOIS	CONTRACT NO. 89728	

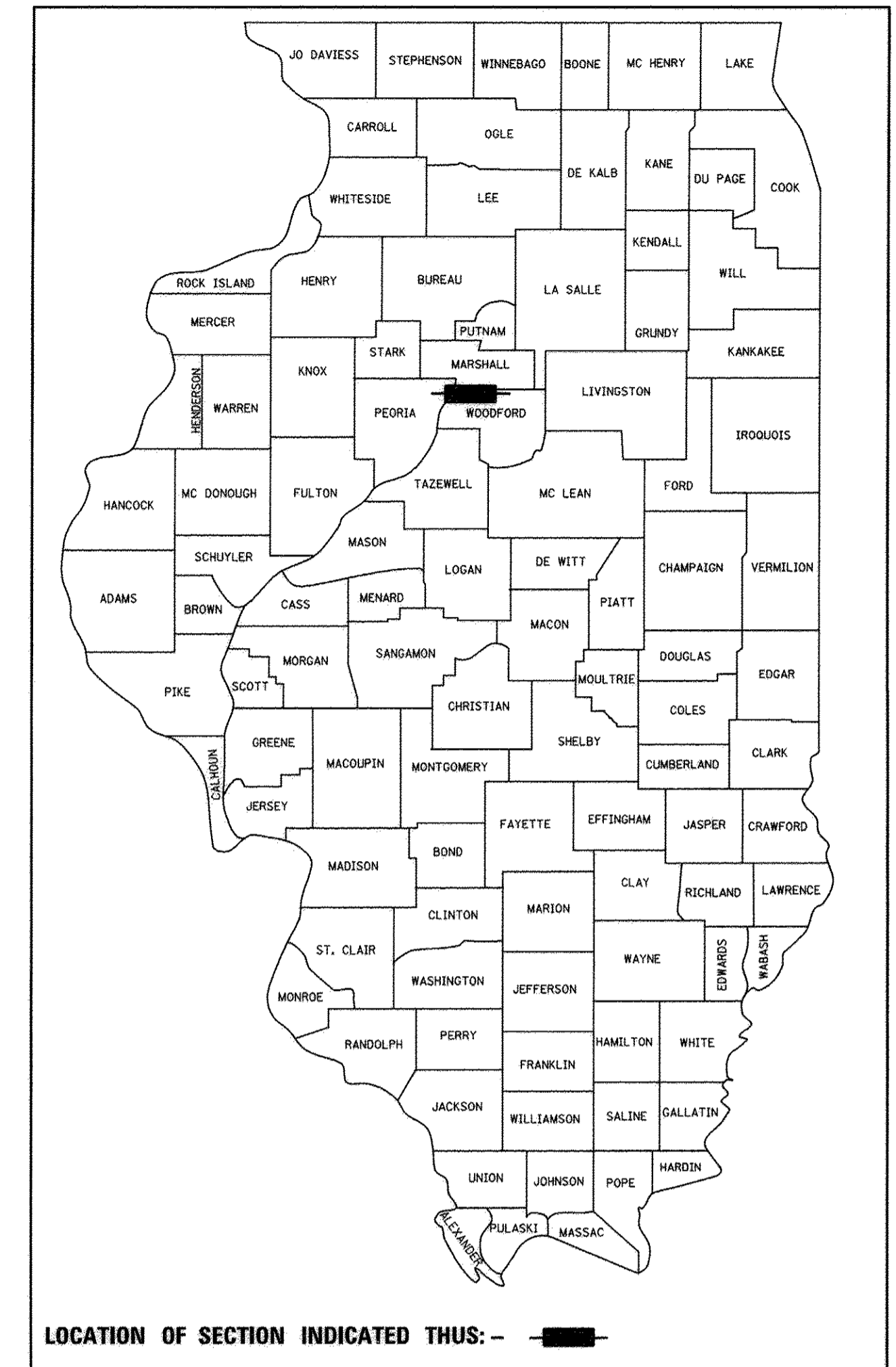
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PROPOSED HIGHWAY PLANS FOR FEDERAL AID SECONDARY PROJECT

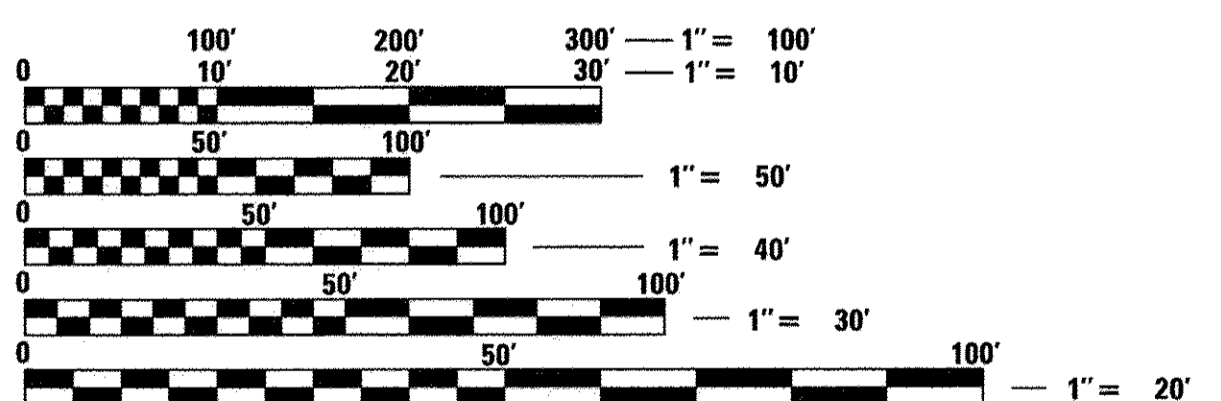
CH 11 (FAS 357) / IL RTE 89
SECTION 86-00075-07-PV
PROJECT RS-0358(110)
INTERSECTION RECONSTRUCTION
WOODFORD COUNTY

FOR LIST OF HIGHWAY STANDARDS, SEE SHEET NO. 2.



PROPOSED IMPROVEMENT:
 PROJECT CONSISTS OF COMPLETE INTERSECTION RECONSTRUCTION ON NEW HORIZONTAL AND VERTICAL ALIGNMENT WITH NEW AGGREGATE BASE COURSE, 12" DRAINAGE DITCHES, CULVERTS, HOT-MIX ASPHALT PAVEMENT, AGGREGATE SHOULDERS AND OTHER COLLATERAL WORK.

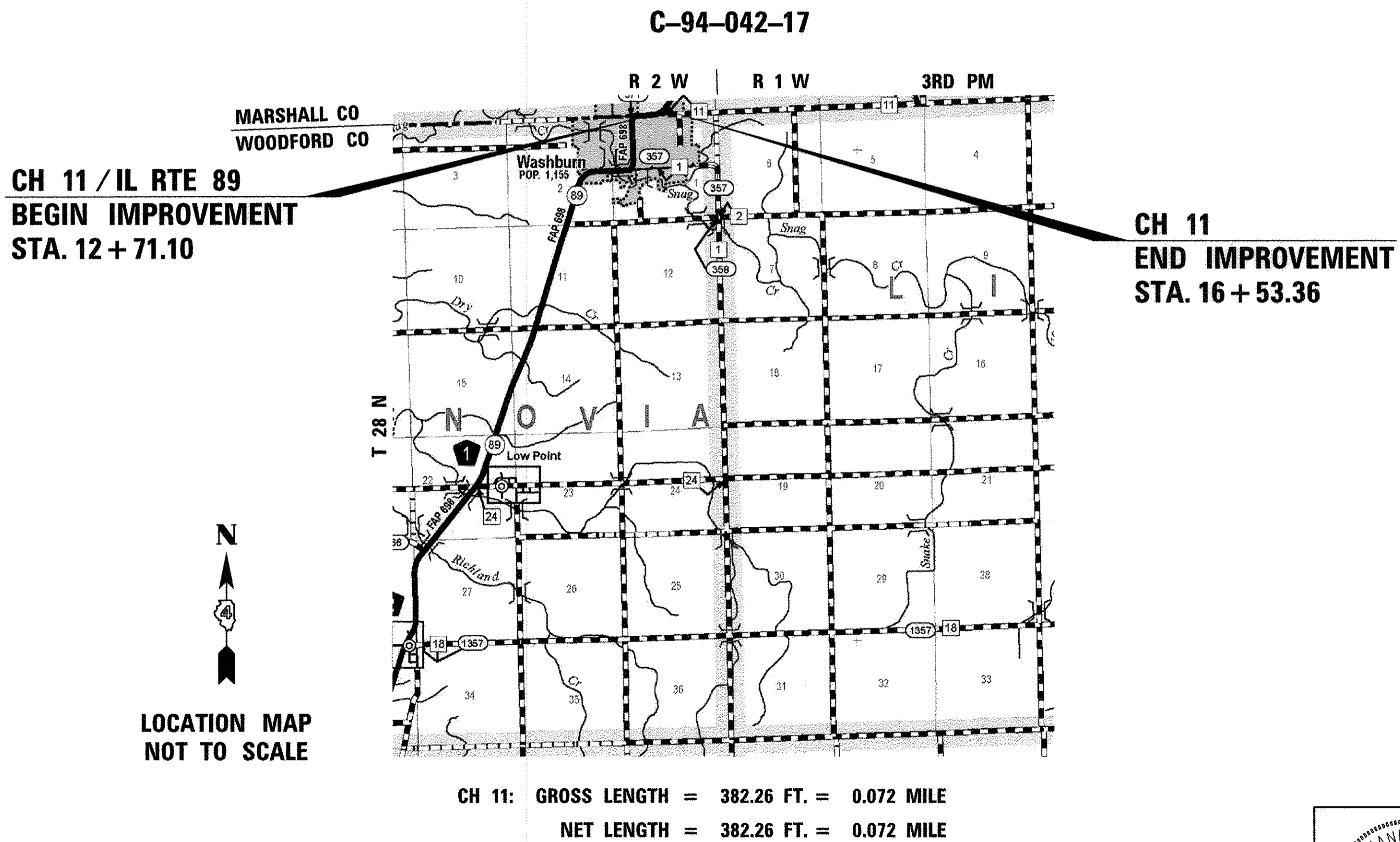
UTILITIES:
 AMEREN: (309) 210-4571
 MEDIACOM COMMUNICATIONS: (309) 274-1330
 FRONTIER COMMUNICATIONS: (309) 557-1381
 VILLAGE OF WASHBURN: (309) 248-7222



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

PROJECT MANAGER: SHANE LARSON, P.E.
PROJECT ENGINEER: RYAN BRADLE, P.E.
CATALOG 035454-00
CONTRACT NO. 89728



N

 LOCATION MAP
 NOT TO SCALE

SHANE LARSON
 062-051722
 REGISTERED
 PROFESSIONAL
 ENGINEER OF
 STATE OF ILLINOIS

EXPIRES: 11/30/17

W. Shane Larson
 SIGNATURE

ENGINEER'S SEAL

FUNCTIONAL CLASSIFICATION
RURAL MAJOR COLLECTOR
 2011 ADT = 650
 DESIGN SPEED = 50 MPH
 PV = 88% SU = 7% MU = 5%

APPROVED	MARCH 1 <i>Russell Loy</i> LOCAL AGENCY OFFICIAL	20 17
PASSED	March 2 <i>[Signature]</i> DISTRICT FOUR ENGINEER OF LOCAL ROADS & STREETS	20 17
Releasing For Bid Based on Limited Review	March 9 <i>[Signature]</i> REGION THREE ENGINEER STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	20 17

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 OF THE STATE OF ILLINOIS**

Hutchinson Engineering, Inc.
 Jacksonville - Peoria - Shorewood
 Since 1945
 2017 JOB #4078

GENERAL NOTES

MISCELLANEOUS

ALL ELEVATIONS SHOWN ON THE PLANS ARE ON A LOCALLY ESTABLISHED DATUM. SEE THE ALIGNMENT, TIES AND BENCHMARKS SHEETS. THE CONTRACTOR SHALL VERIFY ALL BENCHMARKS AND HORIZONTAL CONTROL POINTS FOR ACCURACY PRIOR TO STARTING CONSTRUCTION AND REPORT ANY DISCREPANCIES TO THE ENGINEER.

ABANDONED UNDERGROUND UTILITIES THAT CONFLICT WITH CONSTRUCTION SHALL BE DISPOSED OF OUTSIDE THE LIMITS OF RIGHT-OF-WAY ACCORDING TO ARTICLE 202.03 OF THE STANDARD SPECIFICATIONS AND AS DIRECTED BY THE ENGINEER. THIS WORK WILL NOT BE PAID FOR SEPARATELY, BUT SHALL BE INCLUDED IN THE COST OF THE CONTRACT.

WHERE SECTION OR SUB-SECTION 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. ANY DAMAGE FOUND TO SURVEY MONUMENTS THAT WAS A RESULT OF THE CONTRACTOR'S OPERATIONS WILL BE REPAIRED AT THE EXPENSE OF THE CONTRACTOR.

THE REMOVAL OF AGGREGATE SURFACE AND GRAVEL OR CRUSHED STONE BASE COURSE WHICH MAY BE NECESSARY FOR THE CONSTRUCTION OF THE PROJECT SHALL BE REMOVED AS EARTH EXCAVATION AND NO COMPENSATION WILL BE ALLOWED FOR ADDITIONAL LABOR OR EQUIPMENT REQUIRED.

THE CONTRACTOR MAY BE REQUIRED TO CONDUCT SOME OF HIS GRADING AND TRENCHING OPERATIONS AROUND TRANSMISSION POLES AND UNDER TRANSMISSION LINES. THE ADDED COST OF PERFORMING THIS WORK SHALL BE INCLUDED IN THE COST OF EARTH EXCAVATION.

THE CONTRACTOR SHALL BE ALLOWED TO USE COLD MILLINGS PRODUCED FROM REMOVING THE EXISTING PAVEMENT IN THE AGGREGATE SHOULDER UPON APPROVAL OF THE ENGINEER. THE COLD MILLINGS SHALL BE CONFINED TO THE BOTTOM 2" OF THE AGGREGATE SHOULDER.

ALL IDENTIFIED EXISTING FIELD TILES SHALL BE REMOVED AND REPLACED WITH THE CONTINGENCY ITEMS IN ACCORDANCE WITH THE SPECIAL PROVISION AND APPROVAL OF THE ENGINEER.

ENVIRONMENTAL REVIEWS

PRIOR TO THE USE OF ANY PROPOSED BORROW AREAS, USE AREAS (TEMPORARY ACCESS ROADS, DETOURS RUN-AROUNDS, ETC.) AND/OR WASTE AREAS, THE CONTRACTOR SHALL FILE THE REQUIRED ENVIRONMENTAL RESOURCE REQUEST SURVEYS ACCORDING TO SECTION 107.22 OF THE STANDARD SPECIFICATIONS. THESE SURVEYS ARE REQUIRED IN ORDER FOR THE DEPARTMENT TO CONDUCT CULTURAL AND BIOLOGICAL RESOURCE SURVEYS FOR THE PROPOSED SITE.

THE REQUIRED ENVIRONMENTAL RESOURCE DOCUMENTATION SHALL INCLUDE THE FOLLOWING:

- BDE FORM 2289 (CULTURAL AND NATURAL RESOURCES REVIEW OF BORROW AREAS)
- BDE FORM 2290 (WASTE/USE AREA REVIEW)
- A LOCATION MAP SHOWING THE SIZE LIMITS AND LOCATION OF THE USE AREA
- COLOR PHOTOGRAPHS DEPICTING THE USE AREA
- BORROW AREA ENTRY AGREEMENT FORM - D4 PI0101

PRIOR TO ANY WASTE MATERIALS BEING REMOVED FROM THE CONSTRUCTION SITE THE REQUIRED ENVIRONMENTAL RESOURCE SURVEYS WILL NEED TO BE OBTAINED AND FILED BY THE CONTRACTOR. EXCESS WASTE PRODUCTS REMOVED FROM THE CONSTRUCTION SITE SHALL BE DISPOSED OF AS REQUIRED IN SECTION 202.03 OF THE STANDARD SPECIFICATIONS.

ANY PROTRUDING METAL BARS SHALL BE REMOVED PRIOR TO THE DISPOSAL OF BROKEN CONCRETE AT APPROVED DISPOSAL SITES.

PLEASE NOTE THAT A MINIMUM OF FOUR WEEKS SHALL BE ALLOWED FOR I.D.O.T. DISTRICT 4 TO OBTAIN THE REQUIRED WASTE SITE ENVIRONMENTAL CLEARANCES AND FIVE WEEKS FOR THE REQUIRED BORROW SITE ENVIRONMENTAL CLEARANCES.

AVAILABILITY OF ELECTRONIC FILES

MICROSTATION AND GEOPAK FILES FOR THIS PROJECT WILL BE MADE AVAILABLE TO THE CONTRACTOR AFTER CONTRACT AWARD. IF THERE IS A CONFLICT BETWEEN THE ELECTRONIC FILES AND THE PRINTED CONTRACT PLANS AND DOCUMENTS, THE PRINTED CONTRACT PLANS AND DOCUMENTS SHALL TAKE PRECEDENCE OVER THE ELECTRONIC FILES AND SHALL HOLD HUTCHISON ENGINEERING & WOODFORD COUNTY HARMLESS FOR ANY ERRORS OR OMISSIONS IN THE ELECTRONIC FILES AND THE DATA CONTAINED THEREIN. ERRORS OR DELAYS RESULTING FROM THE USE OF THE ELECTRONIC FILES BY THE CONTRACTOR SHALL NOT RESULT IN AN EXTENSION OF TIME FOR ANY INTERIM OR FINAL COMPLETION DATE OR SHALL NOT BE CONSIDERED CAUSE FOR ADDITIONAL COMPENSATION. THE CONTRACTOR SHALL NOT USE, SHARE OR DISTRIBUTE THESE ELECTRONIC FILES EXCEPT FOR THE PURPOSE OF CONSTRUCTING THIS CONTRACT. ANY CLAIMS BY THIRD PARTIES DUE TO USE OR ERRORS SHALL BE THE SOLE RESPONSIBILITY OF THE CONTRACTOR. THE CONTRACTOR SHALL INCLUDE THIS DISCLAIMER WITH THE TRANSFER OF THESE ELECTRONIC FILES TO ANY OTHER PARTIES AND SHALL INCLUDE APPROPRIATE LANGUAGE BINDING THEM TO SIMILAR RESPONSIBILITIES.

PROPERTY OWNER ACCESS REQUIREMENT

ACCESS MUST BE MAINTAINED TO ALL EXISTING PROPERTIES DURING CONSTRUCTION PER ARTICLE 107.09 UNLESS ARRANGEMENTS ARE MADE IN WRITING BY THE CONTRACTOR WITH THE PROPERTY OWNERS WITH A COPY TO THE ENGINEER FOR SHORT-TERM CLOSURES. THE CONTRACTOR SHALL PROVIDE ACCESS BY MEANS OF TEMPORARY AGGREGATE RAMPS TO ALL ENTRANCES IMMEDIATELY FOLLOWING PAVING OPERATIONS.

SIGN POST HOLES

VERTICAL HOLES SHALL BE CONSTRUCTED IN THE ISLAND PAVEMENT AND/OR CONCRETE MEDIAN OF THE TYPE SPECIFIED OR CONCRETE MEDIAN SURFACE 4 INCHES. THE HOLES SHALL BE 24 INCHES IN DIAMETER OR 24 INCHES SQUARE AND THEY SHALL BE FREE OF ANY OBSTRUCTION, EXCEPT EARTH, FOR A DEPTH OF 5 FEET AT THE LOCATIONS SHOWN ON THE PLANS OR AS DIRECTED BY THE ENGINEER. ANY HOLES NOT USED FOR THE PLACEMENT OF SIGNS SHALL BE FILLED WITH AGGREGATE AND COMPACTED FLUSH WITH THE TOP OF THE ISLAND PAVEMENT. CONCRETE MEDIAN OF THE TYPES SPECIFIED, OR CONCRETE MEDIAN SURFACE 4 INCHES. ALL HOLES IN WHICH THE SIGN POSTS ARE INSTALLED AT THE TIME OF THIS CONTRACT SHALL BE SIMILARLY FILLED.

THIS WORK, INCLUDING AND REQUIRED PAVEMENT REMOVAL NECESSARY TO CONSTRUCT THE SIGN POST HOLES, WILL NOT BE PAID FOR SEPARATELY BUT SHALL BE INCLUDED IN THE CONTRACT UNIT PRICE PER SQUARE FOOT FOR ISLAND PAVEMENT AND/OR CONCRETE MEDIAN OF THE TYPE SPECIFIED, OR CONCRETE MEDIAN SURFACE, 4 INCHES.

AGGREGATE FOR DRIVEWAY REPLACEMENT

THE MATERIAL USED FOR CONSTRUCTION OF PERMANENT AGGREGATE DRIVEWAYS SHALL BE CRUSHED GRAVEL OR CRUSHED STONE, AS DIRECTED BY THE ENGINEER, TO REPLACE IN KIND THE EXISTING AGGREGATE DRIVEWAYS.

NO ADDITIONAL COMPENSATION SHALL BE PROVIDED FOR THIS REQUIREMENT BUT SHALL BE CONSIDERED AS INCLUDED IN THE COST OF THE PAY ITEM FOR THE AGGREGATE AS SPECIFIED ON THE PLANS.

PAVING SURFACE COURSE

CONTINUOUS PAVING OPERATIONS ON THE MAIN ROADWAY SHALL BE MAINTAINED AT ALL TIMES DURING THE CONSTRUCTION OF THE HOT-MIX ASPHALT SURFACE. NO INTERRUPTIONS FOR SIDE ROADS, ENTRANCES, TURN LANES, ETC. WILL BE ALLOWED.

ORDERING LENGTH CONFIRMATION - DRAINAGE ITEMS

THE CONTRACTOR SHALL CONSULT WITH THE ENGINEER IN REGARD TO THE EXACT LENGTH OF THE BOX/PIPE CULVERTS, STORM SEWERS AND/OR PIPE DRAINS REQUIRED PRIOR TO ORDERING THESE ITEMS.

EXISTING DRAINAGE PIPES CONNECTED TO NEW STRUCTURES

IN ACCORDANCE WITH SECTION 602 OF THE STANDARD SPECIFICATIONS, THE CONNECTING OF EXISTING DRAIN TILES, PIPE CULVERTS OR STORM SEWERS TO THE PROPOSED DRAINAGE SYSTEM STRUCTURES WILL NOT BE PAID FOR SEPARATELY BUT SHALL BE CONSIDERED AS INCLUDED IN THE PAY ITEMS PROVIDED.

ALL FIELD TILES SHALL BE REMOVED AND INSTALLED WITH THE CONTINGENCY PAY ITEMS INCLUDED IN THESE PLANS, IN ACCORDANCE WITH THE SPECIAL PROVISIONS, AND WITH APPROVAL OF THE ENGINEER.

SETTING OF SECTION CORNER MONUMENTATION

ALL SECTION CORNER LOCATION ON THIS PROJECT SHALL BE LOCATED AND VERIFIED BY A LICENSED LAND SURVEYOR PRIOR TO ANY REMOVAL WORK BEING PERFORMED. THE LAND SURVEYOR SHALL LOCATE THE EXISTING SECTION CORNERS THROUGH COURTHOUSE RESEARCH, PERSONAL KNOWLEDGE OR THROUGH THE ASSISTANCE OF LOCAL FIRMS PERFORMING LAND SURVEYING IN THE AREA. IF THE SECTION CORNER DOES NOT EXIST THROUGH EITHER ITS PHYSICAL LOCATION OR THROUGH TIES IN THE FIELD IT SHALL NOT BE RESET, THERE SHALL BE NO CALCULATING OF SECTION CORNERS ONTO A PROJECT REQUIRED.

ONCE THE PAVING AND STRIPING OPERATIONS HAVE BEEN PERFORMED THE SECTION CORNER SHALL BE RESET AT THE DIRECTION OF A LICENSED LAND SURVEYOR. IF ANY DIMENSIONS HAVE BEEN CHANGED, IT SHALL BE THE RESPONSIBILITY OF THE SURVEYOR TO FILE A NEW MONUMENT RECORD IN THE APPROPRIATE COURTHOUSE.

A COPY OF ALL DRAWINGS OR MONUMENT RECORDS PRODUCED FROM THIS PROJECT SHALL BE SENT TO THE CHIEF OF SURVEYS, ILLINOIS DEPARTMENT OF TRANSPORTATION, REGION THREE/DISTRICT FOUR, PEORIA, ILLINOIS.

THE SUPPLYING, DRILLING, SETTING OF DISKS, PROFESSIONAL SERVICES, LABOR AND ANY OTHER ADDITIONAL WORK REQUIRED TO PERFORM THIS WORK SHALL BE PAID FOR UNDER PAY ITEM FOR PERMANENT SURVEY MARKERS, TYPE I.

REFER TO DISTRICT FOUR CADD STANDARD 667101 FOR DETAILS.

MEDIAN AND ISLAND NOSES

WHEN CONSTRUCTING MEDIAN AND ISLAND NOSES THE FOLLOWING CRITERIA SHOULD BE FOLLOWED:

- BARRIER CURB SHALL BE USED TO CONSTRUCT NOSES WHEN THE MEDIAN OR ISLAND SURROUNDS A MAST ARM OR OTHER NON-BREAKAWAY FOUNDATION.
- RAMPED NOSES SHALL BE USED ON MEDIANS OR ISLANDS WITH BREAKAWAY POSTS.

COMMITMENTS

NO COMMITMENTS ON THIS PROJECT.

THE FOLLOWING RATES OF APPLICATION HAVE BEEN ASSUMED IN CALCULATING PLAN QUANTITIES:

BITUMINOUS MATERIALS (PRIME COAT)	0.25 LB/SQ FT
POLYMERIZED BITUMINOUS MATERIALS (TACK COAT).....	0.04 LB/SQ FT (RESIDUAL - FOG COAT)
HOT-MIX ASPHALT SURFACE COURSE	115 LBS/SQ YD/INCH
HOT-MIX ASPHALT BINDER COURSE	115 LBS/SQ YD/INCH
NITROGEN FERTILIZER NUTRIENT	90 LBS/ACRE (SEEDING)
PHOSPHORUS FERTILIZER NUTRIENT	90 LBS/ACRE (SEEDING)
POTASSIUM FERTILIZER NUTRIENT	90 LBS/ACRE (SEEDING)
AGGREGATE MATERIALS	2.05 TONS/CY

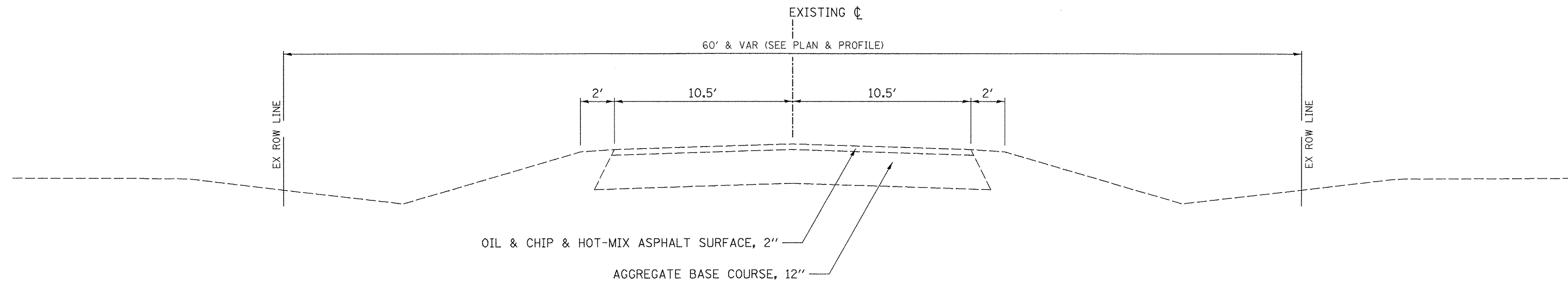
HIGHWAY STANDARDS

000001-06	STANDARD SYMBOLS, ABBREVIATIONS AND PATTERNS
280001-07	TEMPORARY EROSION CONTROL SYSTEMS
542301-03	PRECAST REINFORCED CONCRETE FLARED END SECTION
542306-03	PRECAST REINFORCED CONCRETE ELLIPTICAL FLARED END SECTION
542401-02	METAL END SECTION FOR PIPE CULVERTS
601101-02	CONCRETE HEADWALL FOR PIPE UNDERDRAINS
606001-06	CONCRETE CURB TYPE B AND COMBINATION CONCRETE CURB AND GUTTER
606301-04	PC CONCRETE ISLANDS AND MEDIANS
667101-02	PERMANENT SURVEY MARKERS
701006-05	OFF-RD OPERATIONS, 2L, 2W, 15' TO 24" FROM PAVEMENT EDGE
701901-06	TRAFFIC CONTROL DEVICES
701201-04	LANE CLOSURE, 2L, 2W, DAY ONLY, FOR SPEEDS ≥ 45 MPH
780001-05	TYPICAL PAVEMENT MARKINGS
781001-04	TYPICAL APPLICATIONS RAISED REFLECTIVE PAVEMENT MARKERS
B.L.R. 21-9	TYPICAL APPLICATION OF TRAFFIC CONTROL DEVICES FOR CONSTRUCTION ON RURAL LOCAL HIGHWAYS
B.L.R. 22-7	TYPICAL APPLICATION OF TRAFFIC CONTROL DEVICES FOR CONSTRUCTION ON RURAL LOCAL HIGHWAYS (TWO-LANE TWO WAY RURAL TRAFFIC) (ROAD CLOSED TO THRU TRAFFIC)

FILE NAME =	USER NAME = SHughes	DESIGNED - RMB	REVISED -	WOODFORD COUNTY HIGHWAY DEPARTMENT	CH 11 / IL RTE 89 INTERSECTION HIGHWAY STANDARDS, GENERAL NOTES & COMMITMENTS	F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	
V:\4078 - CH 11-IL 89 Intersection - (Woodford Co)\CADD\CADD Sheets\407885-shr-gen\note.dgn		DRAWN - SRH	REVISED -		SCALE: N/A	SHEET NO. 1 OF 1 SHEETS	357	86-00075-07-PV	WOODFORD	17	2
PLOT SCALE = 1:0000 ' / in.		CHECKED - WSL	REVISED -		STA. N/A	TO STA. N/A	CONTRACT NO. 89728				
PLOT DATE = 2/27/2017		DATE - 01/24/17	REVISED -		FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT						

SUMMARY OF QUANTITIES

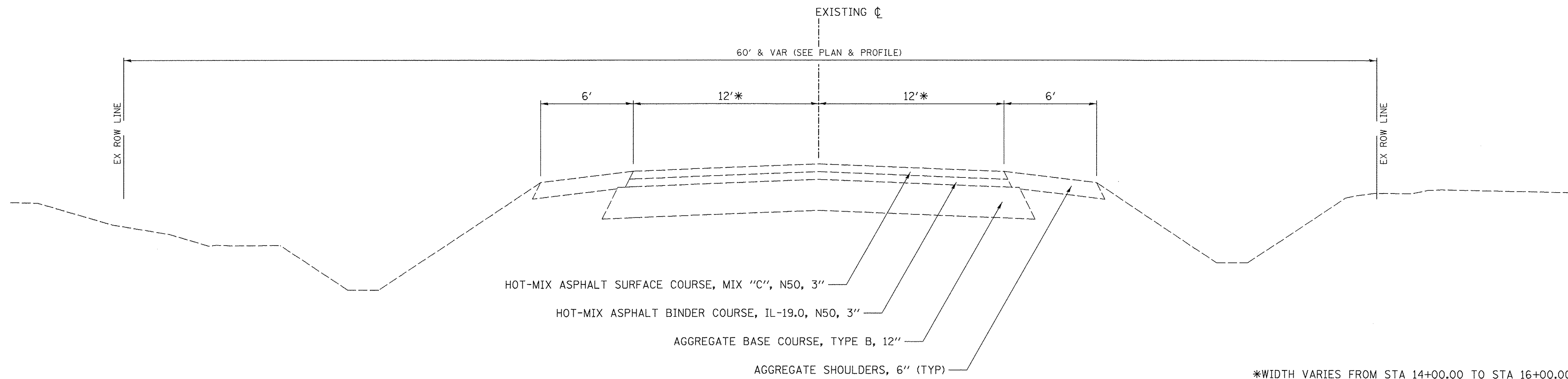
SPECIALTY ITEM (SI) &/OR SPECIAL PROVISION (SP)	CODE NO.	DESCRIPTION	UNIT	TOTAL QUANTITY	SPECIALTY ITEM (SI) &/OR SPECIAL PROVISION (SP)	CODE NO.	DESCRIPTION	UNIT	TOTAL QUANTITY
	20200100	EARTH EXCAVATION	CU YD	1425		60618300	CONCRETE MEDIAN SURFACE, 4 INCH	SQ FT	992
	21001000	GEOTECHNICAL FABRIC FOR GROUND STABILIZATION	SQ YD	2350	SP	61101020	STORM SEWERS PROTECTED, CLASS A, 18"	FOOT	100
	21301052	EXPLORATION TRENCH 52" DEPTH	FOOT	500	SP	61140600	STORM SEWERS (SPECIAL), 18"	FOOT	100
	25000200	SEEDING, CLASS 2	ACRE	0.50	SP	66700205	PERMANENT SURVEY MARKERS, TYPE I	EACH	5
	25000400	NITROGEN FERTILIZER NUTRIENT	POUND	43		67100100	MOBILIZATION	L SUM	1
	25000500	PHOSPHORUS FERTILIZER NUTRIENT	POUND	43		70300220	TEMPORARY PAVEMENT MARKING - LINE 4"	FOOT	1698
	25000600	POTASSIUM FERTILIZER NUTRIENT	POUND	43		70300250	TEMPORARY PAVEMENT MARKING - LINE 8"	FOOT	169
	25100115	MULCH, METHOD 2	ACRE	0.50		70300260	TEMPORARY PAVEMENT MARKING - LINE 12"	FOOT	84
	28000250	TEMPORARY EROSION CONTROL SEEDING	POUND	144		70300280	TEMPORARY PAVEMENT MARKING - LINE 24"	FOOT	36
	28000305	TEMPORARY DITCH CHECKS	FOOT	58	SI	78001110	PAINT PAVEMENT MARKING - LINE 4"	FOOT	1698
	28000400	PERIMETER EROSION BARRIER	FOOT	197	SI	78001140	PAINT PAVEMENT MARKING - LINE 8"	FOOT	169
	28000500	INLET AND PIPE PROTECTION	EACH	5	SI	78001150	PAINT PAVEMENT MARKING - LINE 12"	FOOT	84
	28100107	STONE RIPRAP, CLASS A4	SQ YD	43	SI	78001180	PAINT PAVEMENT MARKING - LINE 24"	FOOT	36
	28200200	FILTER FABRIC	SQ YD	65	SI	78100100	RAISED REFLECTIVE PAVEMENT MARKER	EACH	5
SP	35101400	AGGREGATE BASE COURSE, TYPE B	TON	1648	SP	X7010216	TRAFFIC CONTROL AND PROTECTION, (SPECIAL)	L SUM	1
SP	40200800	AGGREGATE SURFACE COURSE, TYPE B	TON	44	SP	Z0013798	CONSTRUCTION LAYOUT	L SUM	1
	40201000	AGGREGATE FOR TEMPORARY ACCESS	TON	18	SP	Z0024475	TUBULAR MARKER	EACH	3
	40600275	BITUMINOUS MATERIALS (PRIME COAT)	POUND	5434	SP	Z0054500	ROCK FILL	TON	738
	40600295	POLYMERIZED BITUMINOUS MATERIALS (TACK COAT)	POUND	1713					
SP	40603080	HOT-MIX ASPHALT BINDER COURSE, IL-19.0, N50	TON	378					
SP	40603310	HOT-MIX ASPHALT SURFACE COURSE, MIX "C", N50	TON	373					
	40800050	INCIDENTAL HOT-MIX ASPHALT SURFACING	TON	73					
SP	44000100	PAVEMENT REMOVAL	SQ YD	1457					
SP	44000200	DRIVEWAY PAVEMENT REMOVAL	SQ YD	244					
	44004250	PAVED SHOULDER REMOVAL	SQ YD	610					
	48101200	AGGREGATE SHOULDERS, TYPE B	TON	225					
SP	50105220	PIPE CULVERT REMOVAL	FOOT	44					
	54214527	PRECAST REINFORCED CONCRETE FLARED END SECTIONS, EQUIVALENT ROUND-SIZE 42"	EACH	2					
	54215553	METAL END SECTIONS 18"	EACH	2					
SP	542A5497	PIPE CULVERTS, CLASS A, TYPE 1 EQUIVALENT ROUND-SIZE 42"	FOOT	144					
SP	542D0223	PIPE CULVERTS, CLASS D, TYPE 1 18"	FOOT	64					
	60100060	CONCRETE HEADWALLS FOR PIPE DRAINS	EACH	2					
SP	60100925	PIPE DRAINS 8"	FOOT	200					
	60610400	COMBINATION CONCRETE CURB AND GUTTER, TYPE M-6.24	FOOT	150					



EXISTING TYPICAL SECTION

CH 11

STA 12+71.10 TO STA 14+00.00



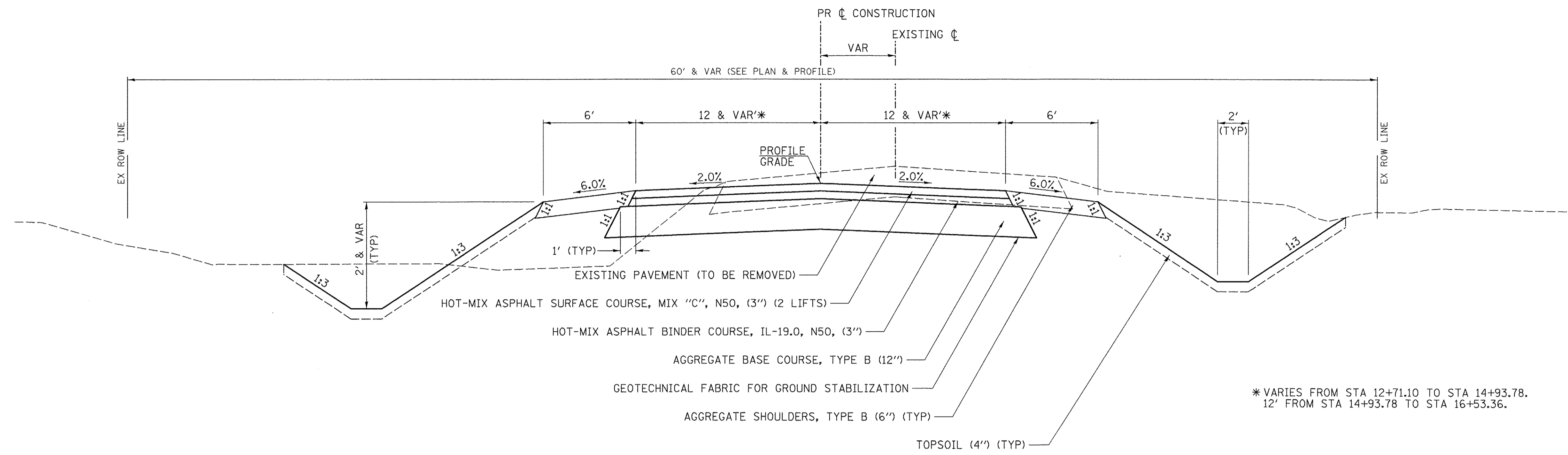
*WIDTH VARIES FROM STA 14+00.00 TO STA 16+00.00.

EXISTING TYPICAL SECTION

CH 11

STA 14+00.00 TO STA 16+53.36

FILE NAME =	USER NAME = SHughes	DESIGNED - RMB	REVISED -	WOODFORD COUNTY HIGHWAY DEPARTMENT	CH 11 / IL RTE 89 INTERSECTION EXISTING TYPICAL SECTIONS			F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
V:\4078 - CH 11-IL 89 Intersection - Woodford Co\CADD\CADD Sheets\D489685-sht-typ1.dgn	DRAWN - SRH	REVISED -	REVISED -					357	86-00075-07-PV	WOODFORD	17	4
PLOT SCALE = 4.000' / 1" =	CHECKED - WSL	REVISED -	REVISED -		CONTRACT NO. 89728			ILLINOIS FED. AID PROJECT				
PLOT DATE = 2/27/2017	DATE - 01/25/17	REVISED -	REVISED -		SCALE: N/A	SHEET NO. 1 OF 2 SHEETS	STA. N/A TO STA. N/A					



PROPOSED TYPICAL SECTION
CH 11

STA 12+71.10 TO STA 16+53.36

CH 11 STRUCTURAL PAVEMENT DESIGN

STRUCTURAL DESIGN TRAFFIC (S.D.T.) YEAR 2019: 1320
 PV = 1162 (88%) SU = 92 (7%) MU = 66 (5%)
 CLASS III ROAD
 SUBGRADE = POOR
 TRAFFIC FACTOR = 0.356
 PAVEMENT STRUCTURE MATERIALS:
 SURFACE COURSE TYPE: HOT-MIX ASPHALT SURFACE COURSE, MIX "C", N50, (3") (2 LIFTS)
 BINDER COURSE TYPE: HOT-MIX ASPHALT BINDER COURSE, IL-19.0, N50, (3")
 SUB-BASE TYPE: AGGREGATE BASE COURSE, TYPE B (12")

MIXTURES TABLE

MIXTURE USE(S):	SURFACE (1 1/2") (SURFACE LIFT)	SURFACE (1 1/2") (LOWER LIFT)	BINDER (3")	INCIDENTAL HOT-MIX
AC/PG:	PG 64-22	PG 64-22	PG 64-22	PG 64-22
DESIGN AIR VOIDS:	4.0% @ N50	4.0% @ N50	4.0% @ N50	4.0% @ N50
MIXTURE COMPOSITION: (GRADATION MIXTURE)	IL 9.5	IL 9.5	IL 19.0	IL 9.5
FRICTION AGGREGATE: QUALITY MANAGEMENT	MIX "C"	N/A	N/A	MIX "C"
PROGRAM:	QCQA	QCQA	QCQA	QCQA

EARTHWORK						
1		2		3		5
LOCATION		EARTH EXCAVATION	SUITABLE EXCAVATION ADJUSTED FOR SHRINKAGE	EMBANKMENT	EARTH BALANCE WASTE (+) OR SHORTAGE (-)	
STATION TO	STATION	CU YD	CU YD	CU YD	CU YD	
12+71.1	TO 16+53.4	1424	1068	553	515	
TOTAL		1424	1068	553	515	
USE		1425				

SHRINKAGE FACTORS: 25%
EARTH EXCAVATION:
COLUMN 1, 2 & 4 - LOCATION AND QUANTITIES FROM CROSS SECTIONS.
CUT = EARTH EXCAVATION AND FILL = EMBANKMENT
COLUMN 3 = COLUMN 2 x (1 - EARTH EXCAVATION SHRINKAGE FACTOR)
COLUMN 5 (FURNISHED EXCAVATION) = COLUMN 3 - COLUMN 4

PIPE CULVERTS							
STATION	SIDE	PIPE CULVERTS		END SECTIONS		FILTER FABRIC SQ YD	STONE RIPRAP, CLASS A4 SQ YD
		TYPE 1		PRC FLARED EQRS 42"	METAL 18"		
		CLASS A EQRS 42"	CLASS D 18"				
		FOOT	EACH				
13+75.0	X-RD	144		2		64.4	42.9
13+30.8	RT		64		2		
TOTAL		144	64	2	2	64.4	42.9
USE		144	64	2	2	65	43

PERIMETER EROSION BARRIER				
STATION TO	STATION	SIDE	LENGTH FOOT	
12+71.1	TO 13+08.6	RT	150.0	
15+94.3	TO 16+24.4	RT	30.1	
16+40.4	TO 16+53.4	RT	16.2	
TOTAL			196.3	
USE			197	

SEEDING, MULCH & NUTRIENTS									
LOCATION				TEMPORARY EROSION CONTROL SEEDING	SEEDING, CLASS 2	MULCH, METHOD 2	NITROGEN FERTILIZER NUTRIENT	PHOSPHORUS FERTILIZER NUTRIENT	POTASSIUM FERTILIZER NUTRIENT
STATION +/- TO	STATION +/-	SIDE	POUND	ACRE	ACRE	POUND	POUND	POUND	
IL 89 TO	16+53.4	LT	54	0.18	0.18	16	16	16	
IL 89 TO	16+53.4	RT	90	0.30	0.30	27	27	27	
TOTAL			144	0.48	0.48	43	43	43	
USE			144	0.50	0.50	43	43	43	

SEEDING NUTRIENTS RATE OF APPLICATION: 90 LBS/ACRE
TEMPORARY EROSION CONTROL SEEDING RATE OF APPLICATION: 100 LBS/ACRE (3 APPLICATIONS)
AREAS OF MULCH HAVE BEEN DEDUCTED FROM EROSION CONTROL BLANKET LOCATIONS.

TEMPORARY DITCH CHECKS (ROLLED EXCELSIOR)		
LOCATION	LENGTH	
STATION	SIDE	FOOT
13+25	RT	11.5
14+30	LT	11.5
14+35	RT	11.5
15+00	LT	11.5
15+70	LT	11.5
TOTAL		57.5
USE		58

INLET & PIPE PROTECTION			
STATION	OFFSET FOOT	SIDE	EACH
13+90.3	44.4	RT	1
14+10.5	30.8	LT	1
15+40.9	30.1	RT	1
16+07.9	26.8	RT	1
16+50.4	27.4	RT	1
TOTAL			5

ENTRANCES								
STATION	TYPE	SIDE	AGGREGATE SURFACE COURSE, TYPE B (6")	INCIDENTAL HOT-MIX ASPHALT SURFACING (6") (2 LIFTS)	AGGREGATE BASE COURSE, TYPE B (6")	AGGREGATE FOR TEMPORARY ACCESS	BITUMINOUS MATERIALS (PRIME COAT) (0.25 LB/SQ FT)	POLYMERIZED BITUMINOUS MATERIALS (TACK COAT) (0.04 LB/SQ FT)
			TON	TON	TON	TON	POUND	POUND
13+30.8	FE	RT	43.6			6.8		
15+24.4	FE	RT		39.8	41.2	3.4	265.5	83.0
15+82.3	PE	RT		18.8	19.8	3.4	126.3	39.2
16+32.4	PE	RT		13.9	14.7	3.4	93.7	28.9
TOTAL			43.6	72.4	75.8	17.1	485.5	151.1
USE			44	73	76	18	486	152

CONTINGENCY ITEMS		
ITEM	UNIT	QUANTITY
EXPLORATION TRENCH 52" DEPTH	FOOT	500
PIPE DRAINS 8"	FOOT	200
CONCRETE HEADWALLS FOR PIPE DRAINS	EACH	2
STORM SEWERS PROTECTED, CLASS A, 18"	FOOT	100
STORM SEWERS (SPECIAL), 18"	FOOT	100
SEE SPECIAL PROVISIONS FOR THESE ITEMS.		

AGGREGATE SHOULDERS, TYPE B (6")				
STATION	TO	STATION	SIDE	QUANTITY
				TON
IL RTE 89	TO	16+53.4	LT	102.4
IL RTE 89	TO	13+30.8	RT	92.9
13+30.8	TO	15+24.4	RT	23.6
15+24.4	TO	15+82.3	RT	3.4
15+82.3	TO	16+32.4	RT	1.1
16+32.4	TO	16+53.4	RT	0.7
TOTAL				224.1
USE				225

PAVEMENT								
STATION	TO	STATION	HOT-MIX ASPHALT SURFACE COURSE, MIX "C", N50 (3")	HOT-MIX ASPHALT BINDER COURSE, IL-19.0, N50 (3")	AGGREGATE BASE COURSE, TYPE B (12")	GEOTECHNICAL FABRIC FOR GROUND STABILIZATION	BITUMINOUS MATERIALS (PRIME COAT) (0.25 LB/SQ FT)	POLYMERIZED BITUMINOUS MATERIALS (TACK COAT) (0.04 LB/SQ FT)
			TON	TON	TON	SQ YD	POUND	POUND
12+71.10	TO	16+53.36	372.7	377.1	1571.0	2350.0	4947.6	1560.2
TOTAL			372.7	377.1	1571.0	2350.0	4947.6	1560.2
USE			373	378	1572	2350	4948	1561

PERMANENT SURVEY MARKERS, TYPE I			
STATION	OFFSET	DESCRIPTION	EACH
12+58.09	0'	POT	1
13+10.10	0'	PC	1
14+04.92	0'	PI	1
14+93.78	0'	PT	1
16+53.36	0'	PI	1
TOTAL			5

PAVEMENT REMOVAL	
LOCATION	AREA SQ YD
CH 11	1456.5
TOTAL	1456.5
USE	1457

ROCK FILL			
LOCATION			TON
STATION	TO	STATION	
12+50.0	TO	16+50.0	738.0
TOTAL			738.0
USE			738

TEMPORARY PAVEMENT MARKINGS									
STATION	TO	STATION	TEMPORARY PAVEMENT MARKING - LINE						
			4" SOLID		4" DOUBLE	8"	12"	24"	RAISED REFLECTIVE PAVEMENT MARKER
			WHITE	YELLOW	WHITE	WHITE	WHITE		
			LT EOP	RT EOP	ISLAND	CL NO PASS	ISLAND	ISLAND	STOP BAR
FOOT									
CH 11/ IL RTE 89 ISLAND					89.7		168.8	83.3	35.5
12+95.71	TO	16+53.36	426.0	466.7	715.4				
TOTAL			426.0	466.7	89.7	715.4	168.8	83.3	35.5
USE			1698						

PIPE CULVERT REMOVAL			
STATION	SIDE	TYPE	LENGTH FOOT
13+03.7	RT	4x3' EL CMP	44
TOTAL			44

PAVED SHOULDER REMOVAL	
LOCATION	AREA SQ YD
IL RTE 89	609.3
TOTAL	609.3
USE	610

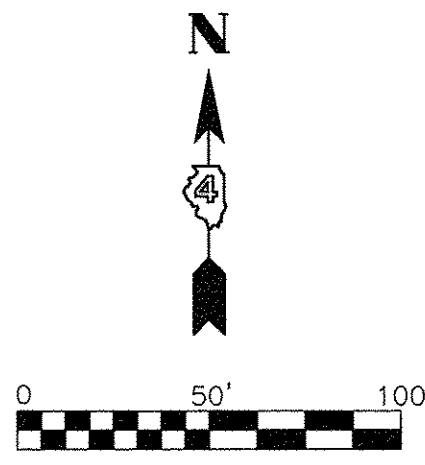
PAINT PAVEMENT MARKINGS									
STATION	TO	STATION	PAINT PAVEMENT MARKING - LINE						
			4" SOLID		4" DOUBLE	8"	12"	24"	RAISED REFLECTIVE PAVEMENT MARKER
			WHITE	YELLOW	WHITE	WHITE	WHITE		
			LT EOP	RT EOP	ISLAND	CL NO PASS	ISLAND	ISLAND	STOP BAR
FOOT									
CH 11/ IL RTE 89 ISLAND					89.7		168.8	83.3	35.5
12+95.71	TO	16+53.36	426.0	466.7	715.4				
TOTAL			426.0	466.7	89.7	715.4	168.8	83.3	35.5
USE			1698						

CONCRETE ISLAND						
STATION	TO	STATION	SIDE	CONCRETE MEDIAN SURFACE, 4 INCH	COMBINATION CONCRETE CURB & GUTTER, TYPE M-6.24	TUBULAR MARKER
				SQ FT	FOOT	EACH
12+90.7	TO	13+49.9	LT	991.6	149.1	3
TOTAL				991.6	149.1	3
USE				992	150	3

DRIVEWAY PAVEMENT REMOVAL		
STATION	SIDE	HOT-MIX ASPHALT SQ YD
15+24.4	RT	126.7
15+82.3	RT	65.1
16+32.4	RT	51.7
TOTAL		243.4
USE		244

SEC 36, T 29 N, R 2 W, 3rd PM

PROPOSED CURVE CH 11
 PI STA 14+04.92
 $\Delta = 35^\circ 04' 51''$ (LT)
 $D = 19^\circ 05' 55''$
 $R = 300.00'$
 $T = 94.82'$
 $L = 183.68'$
 $E = 14.63'$
 PC STA 13+10.10
 PT STA 14+93.78



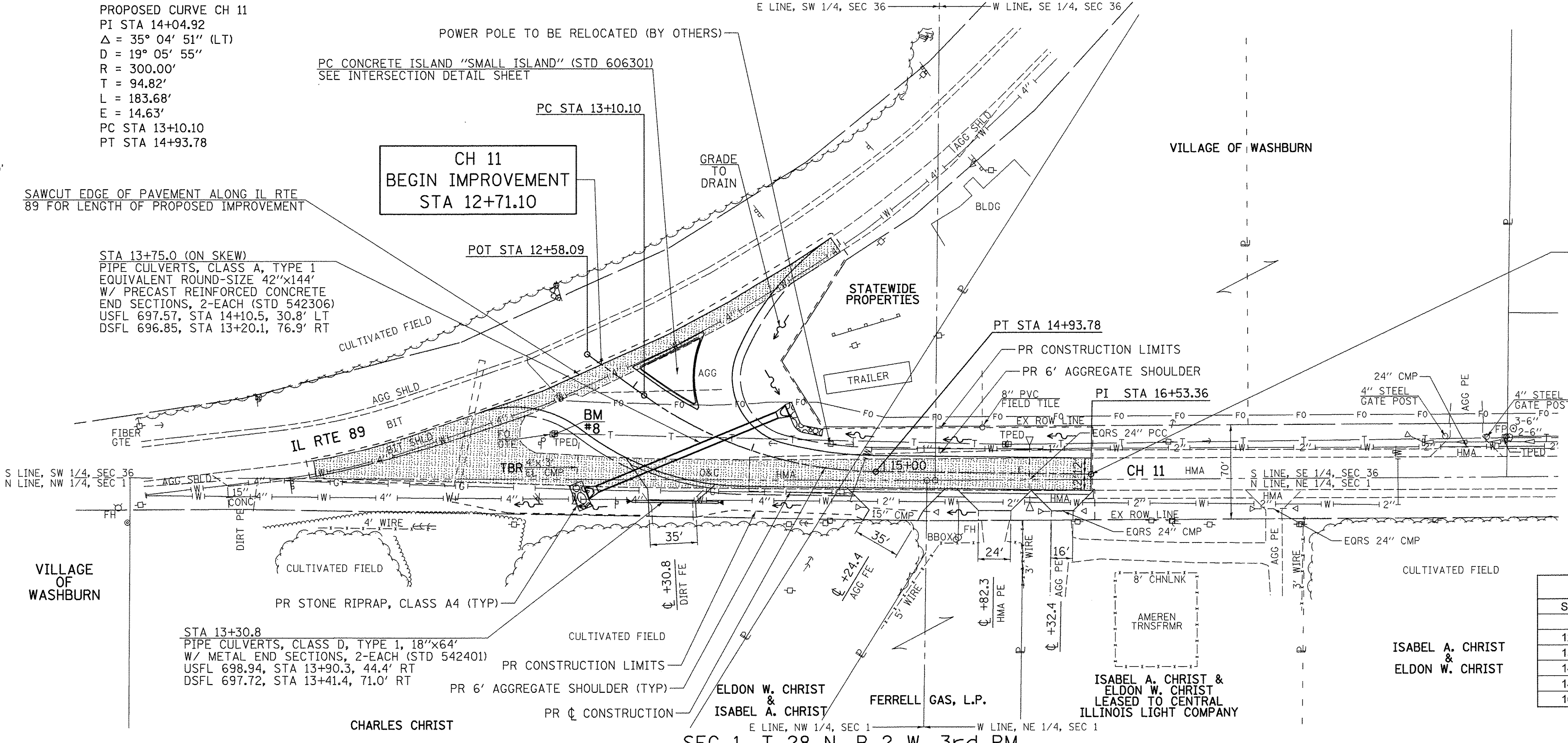
REMOVAL LEGEND

TBR ITEM TO BE REMOVED

[Hatched Box] PAVEMENT REMOVAL

DATE	
BY	
PLAN	
NO.	
DATE	
BY	
PROFILE	
NO.	

DATE	
BY	
PROFILE	
NO.	
DATE	
BY	
PLAN	
NO.	

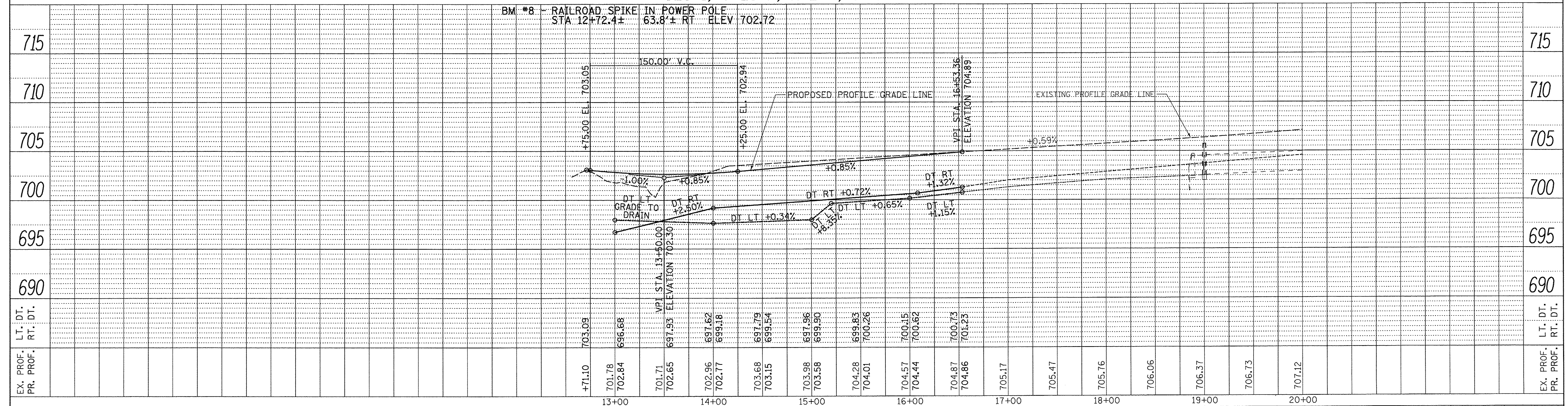


CH 11
 END IMPROVEMENT
 STA 16+53.36

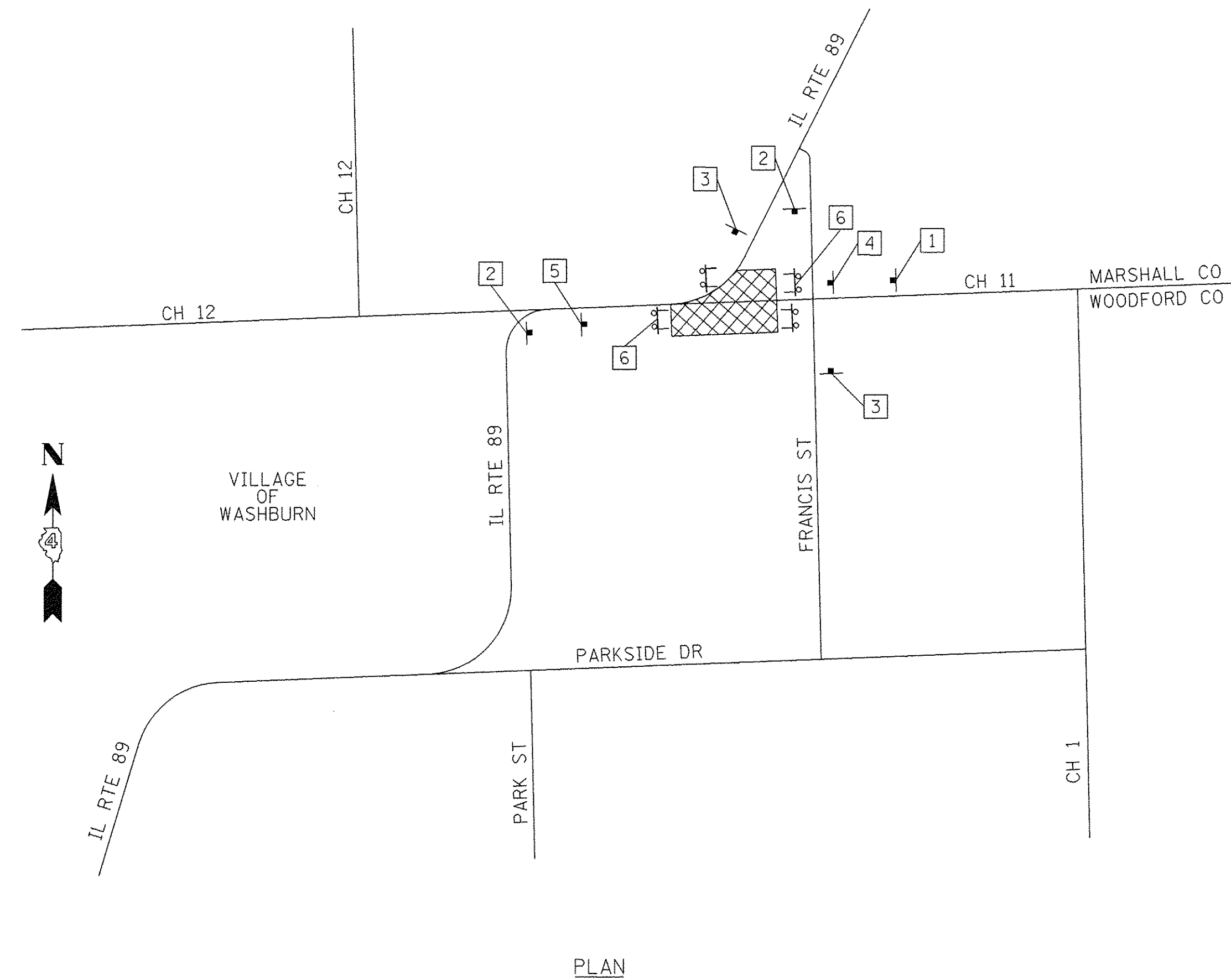
ALIGNMENT POINTS

STATION	TYPE	NORTHING	EASTING
12+58.09	POT	1,551,875.10	2,539,850.87
13+10.10	PC	1,551,846.29	2,539,894.18
14+04.92	PI	1,551,793.77	2,539,973.12
14+93.78	PT	1,551,796.15	2,540,067.91
16+53.36	PI	1,551,800.17	2,540,227.44

SEC 1, T 28 N, R 2 W, 3rd PM



FILE NAME =	USER NAME = Shughes	DESIGNED - RMB	REVISED -	WOODFORD COUNTY HIGHWAY DEPARTMENT	CH 11 / IL RTE 89 INTERSECTION PLAN & PROFILE	F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	
V:\4978 - CH 11-IL 89 Intersection - (Woodford Co)\CADD\CADD Sheets\489685-sht-plnprf	-.ldgn	DRAWN - SRH	REVISED -			357	86-00075-07-PV	WOODFORD	17	8	
Default		CHECKED - WSL	REVISED -			SCALE: H=50 V=5 SHEET 1 OF 1 SHEETS STA. 12+58.09 TO STA. 16+53.36		CONTRACT NO. 89728			
		DATE - 01/24/17	REVISED -			ILLINOIS FED. AID PROJECT					



PLAN

LEGEND

- POST MOUNTED SIGN
- †† TYPE III BARRICADE
- ▨ CONSTRUCTION ZONE

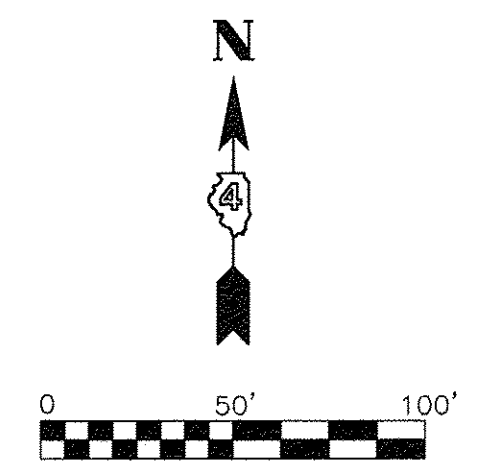
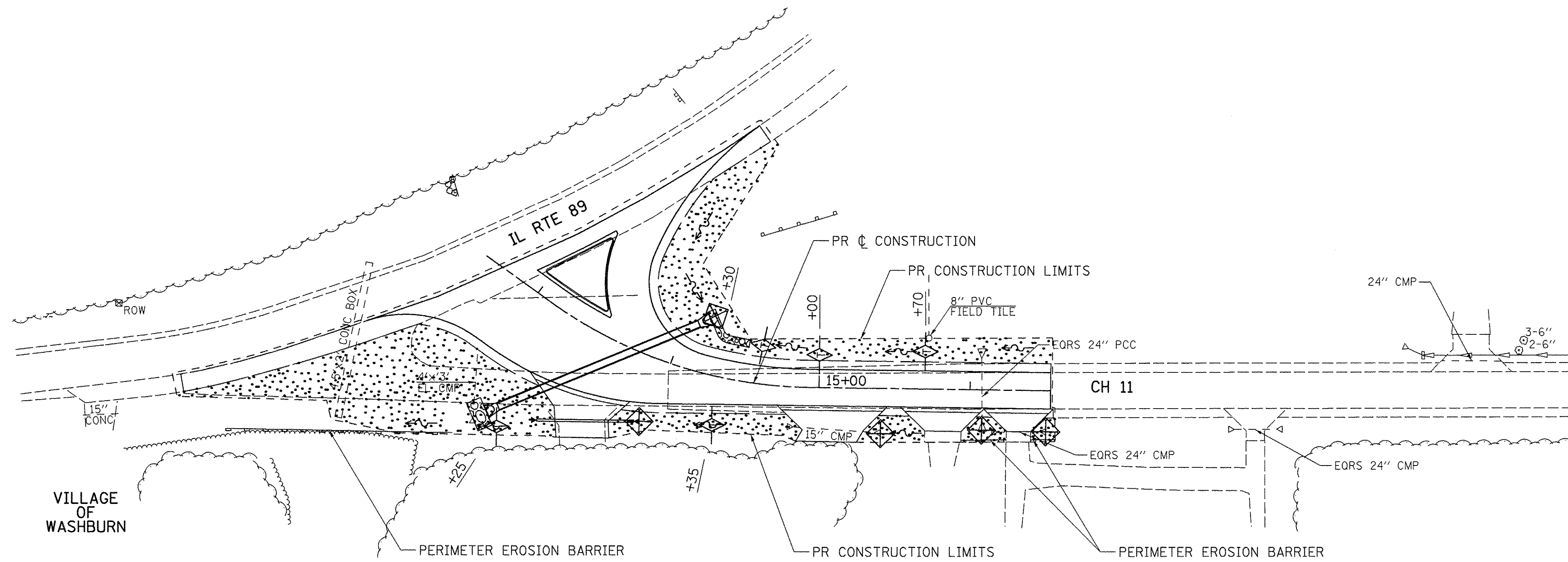
NOTES

TRAFFIC CONTROL SHALL BE INCLUDED IN THE CONTRACT UNIT PRICE PER LUMP SUM FOR "TRAFFIC CONTROL AND PROTECTION, (SPECIAL)".
 DISTANCE BETWEEN ALL ADVANCE WARNING SIGNS SHOULD BE 500' PER THE LATEST EDITION OF MUTCD OR APPLICABLE HIGHWAY STANDARD.
 THE CONTRACTOR WILL BE RESPONSIBLE FOR POSTING DETOUR ROUTE.
 ALSO SEE IDOT HIGHWAY STANDARD 701201 FOR WORK OPERATIONS ALONG IL RTE 89.

SIGN KEY

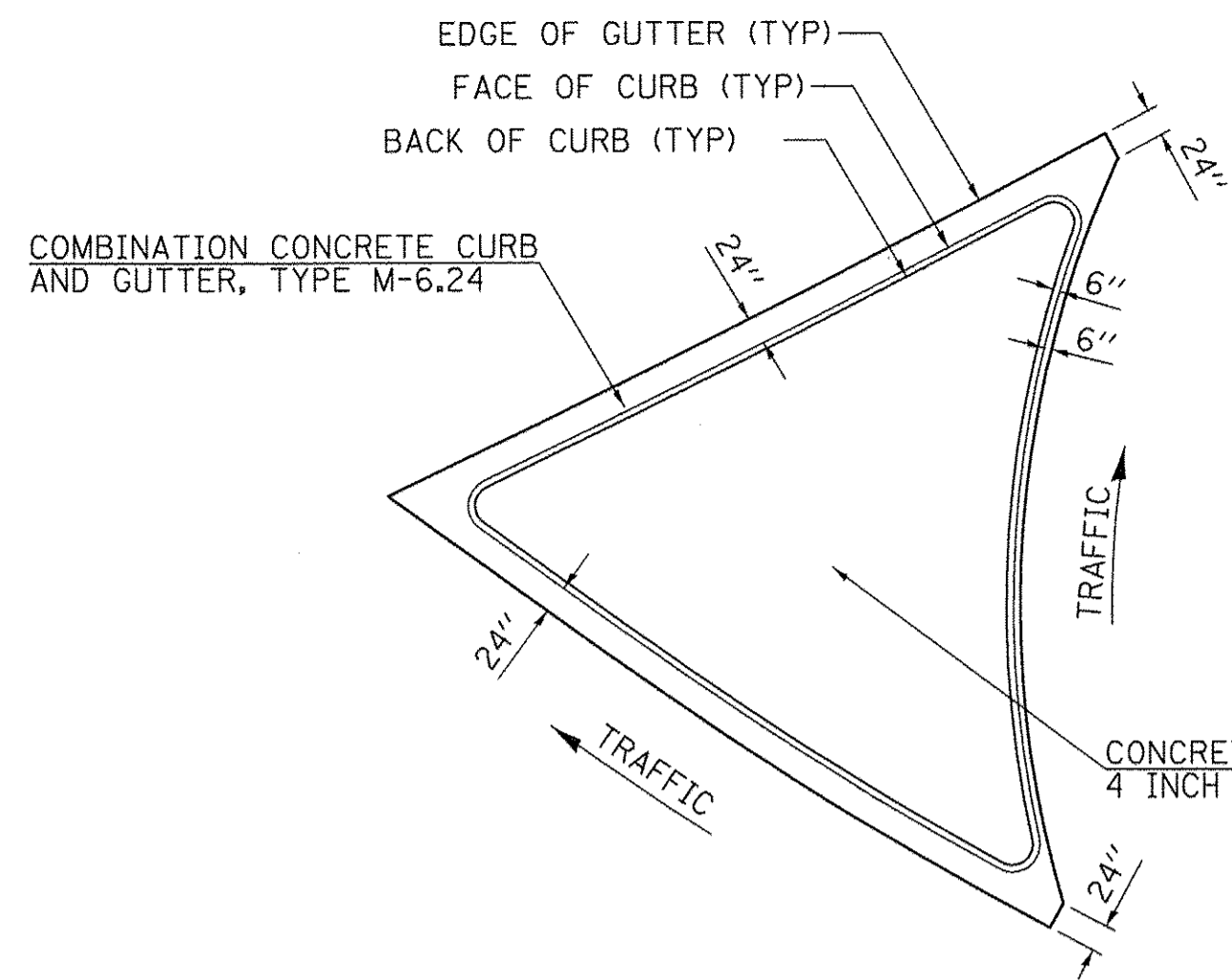
- 1
- 2
- 3
- 4
- 5
- 6
- 7

FILE NAME =	USER NAME = Shughes	DESIGNED - RMB	REVISED -	WOODFORD COUNTY HIGHWAY DEPARTMENT	CH 11 / IL RTE 89 INTERSECTION TRAFFIC CONTROL PLAN			F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
V:\4078 - CH 11-IL 89 Intersection - (Woodford Co)\CADD\CADD Sheets\D489685-sht-staging-1.dgn	DRAWN - SRH	REVISED -	REVISED -					357	86-00075-07-PV	WOODFORD	17	9
PLOT SCALE = 0.025' / in.	CHECKED - WSL	REVISED -	REVISED -		SCALE: N/A			SHEET NO. 1 OF 1 SHEETS		STA. N/A	TO STA. N/A	
PLOT DATE = 2/27/2017	DATE - 01/25/17	REVISED -	REVISED -		FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT							



LEGEND	
	TEMPORARY DITCH CHECKS (SEE SCHEDULE FOR LOCATIONS)
	PERIMETER EROSION BARRIER
	INLET AND PIPE PROTECTION
	STONE RIPRAP, CLASS A4
	SEEDING, CLASS 2

FILE NAME =	USER NAME = SHughes	DESIGNED - RMB	REVISED -	WOODFORD COUNTY HIGHWAY DEPARTMENT	CH 11 / IL RTE 89 INTERSECTION EROSION CONTROL PLAN	F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
V:\4078 - CH 11-IL 89 Intersection - (Woodford Co)\CADD\CADD Sheets\0489685-shr-eros-1.dgn	DRAWN - SRH	REVISED -	357			86-00075-07-PV	WOODFORD	17	10	
Default	PLOT SCALE = 50.0000' / in.	CHECKED - WSL	REVISED -			CONTRACT NO. 89728				
	PLOT DATE = 2/28/2017	DATE - 01/25/17	REVISED -			ILLINOIS FED. AID PROJECT				
						SCALE: 1"=50'	SHEET 1 OF 1 SHEETS	STA. 12+58.09 TO STA. 16+53.36		



ISLAND DETAIL

NOTES:

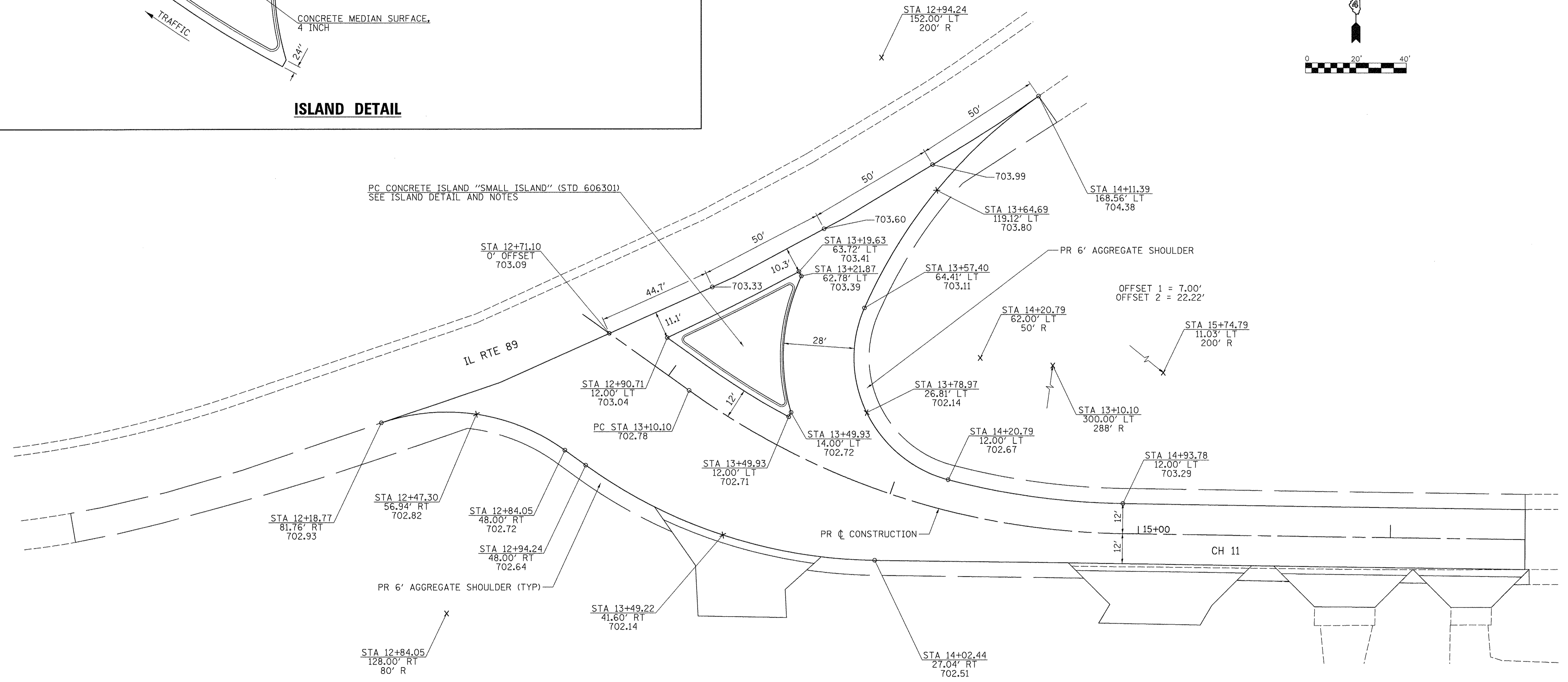
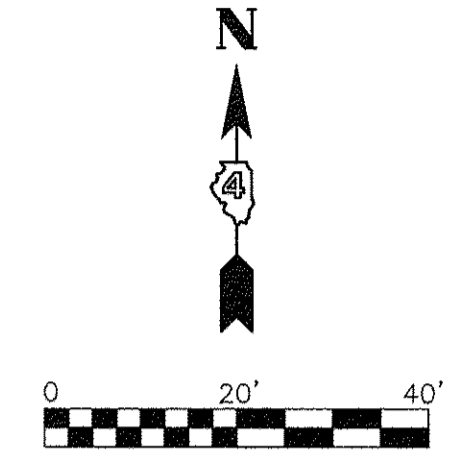
ALL OF THE CURB AND GUTTER SHALL BE PAID FOR AS "COMBINATION CONCRETE CURB AND GUTTER, TYPE M-6.24".

SEE STANDARDS 606001 AND 606301 FOR ADDITIONAL DETAILS.

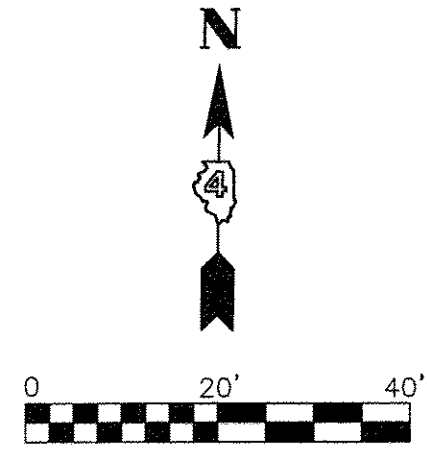
ALL MATERIALS, LABOR AND EQUIPMENT REQUIRED TO COMPLETE THIS WORK SHALL BE INCLUDED IN THE COST OF "CONCRETE MEDIAN SURFACE, 4 INCH" PER SQUARE FOOT AND "COMBINATION CONCRETE CURB AND GUTTER, TYPE M-6.24" PER FOOT.

GUTTERS SHALL SLOPE FROM FACE OF CURB TO EDGE OF PAVEMENT ON EAST AND WEST SIDES OF ISLAND.

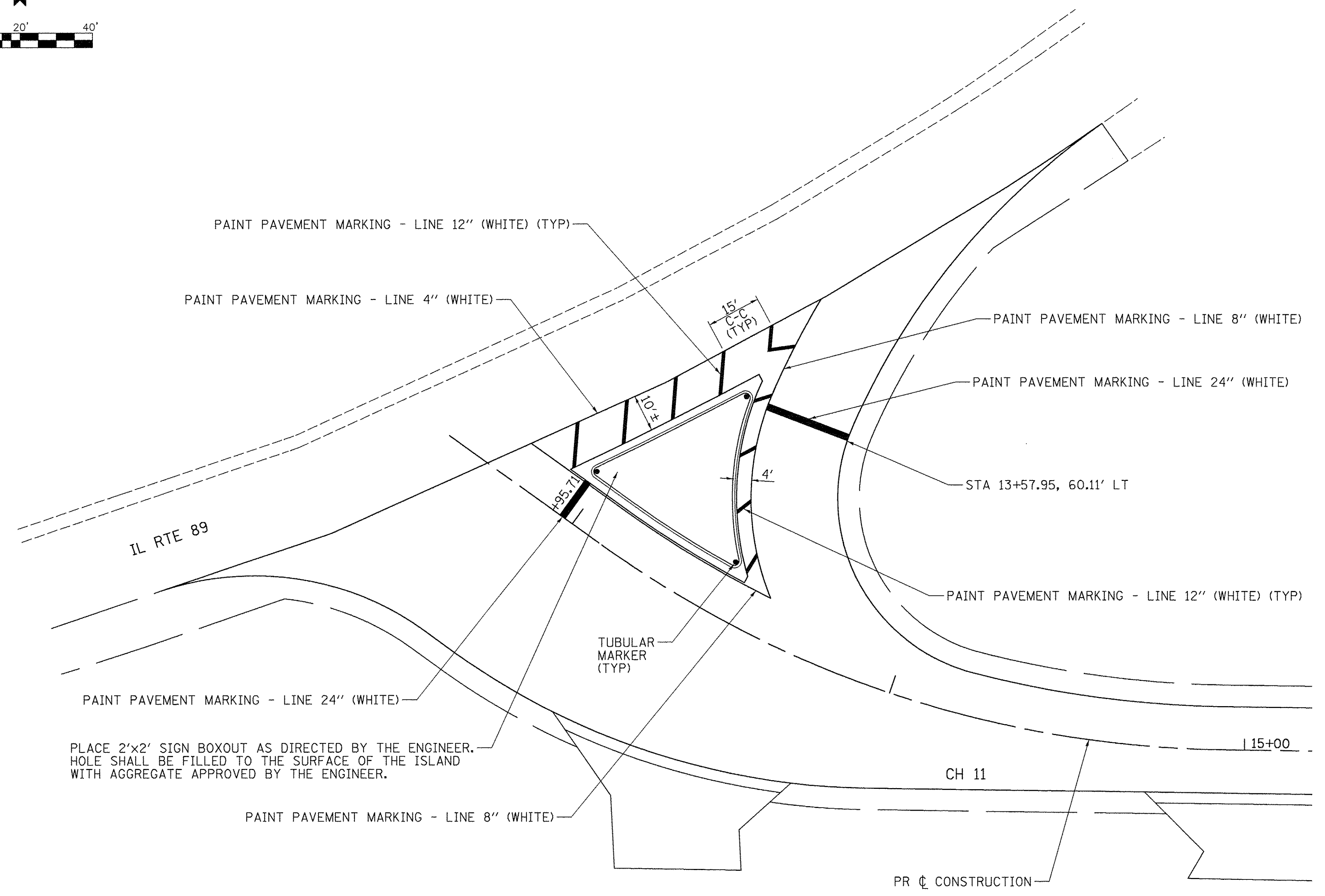
SIGN POST HOLES SHALL BE LAID OUT IN THE FIELD AT THE DIRECTION OF THE ENGINEER.



FILE NAME = V:\4078 - CH 11-IL 89 Intersection - (Woodford Co)\CADD\CADD Sheets\0489685-shr-intersec-1.dgn	USER NAME = Shughes	DESIGNED - RMB	REVISED -	WOODFORD COUNTY HIGHWAY DEPARTMENT	CH 11 / IL RTE 89 INTERSECTION INTERSECTION DETAIL			F.A.S. RTE. 357	SECTION 86-00075-07-PV	COUNTY WOODFORD	TOTAL SHEETS 17	SHEET NO. 11
PLOT SCALE = 20.0000' / in.	CHECKED - WSL	DRAWN - SRH	REVISED -		SCALE: 1"=20'	SHEET 1	OF 1 SHEETS	STA. N/A	TO STA. N/A	CONTRACT NO. 89728		
DATE - 01/25/17	REVISOR -	DATE -	REVISOR -		ILLINOIS FED. AID PROJECT							
PLOT DATE = 2/27/2017	DATE -	DATE -	DATE -									

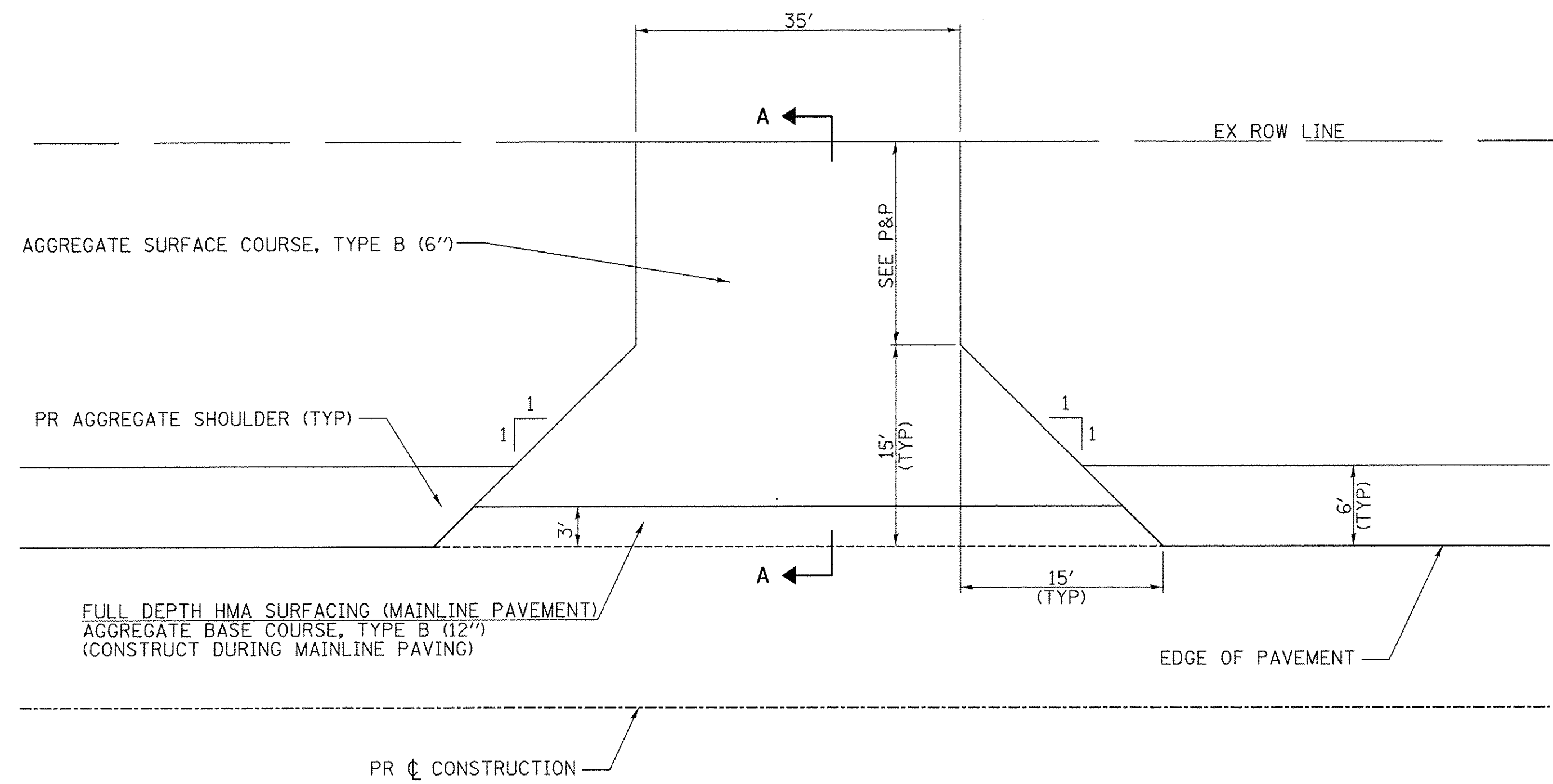


NOTE:
PAVEMENT MARKING LAYOUT BY CONTRACTOR.

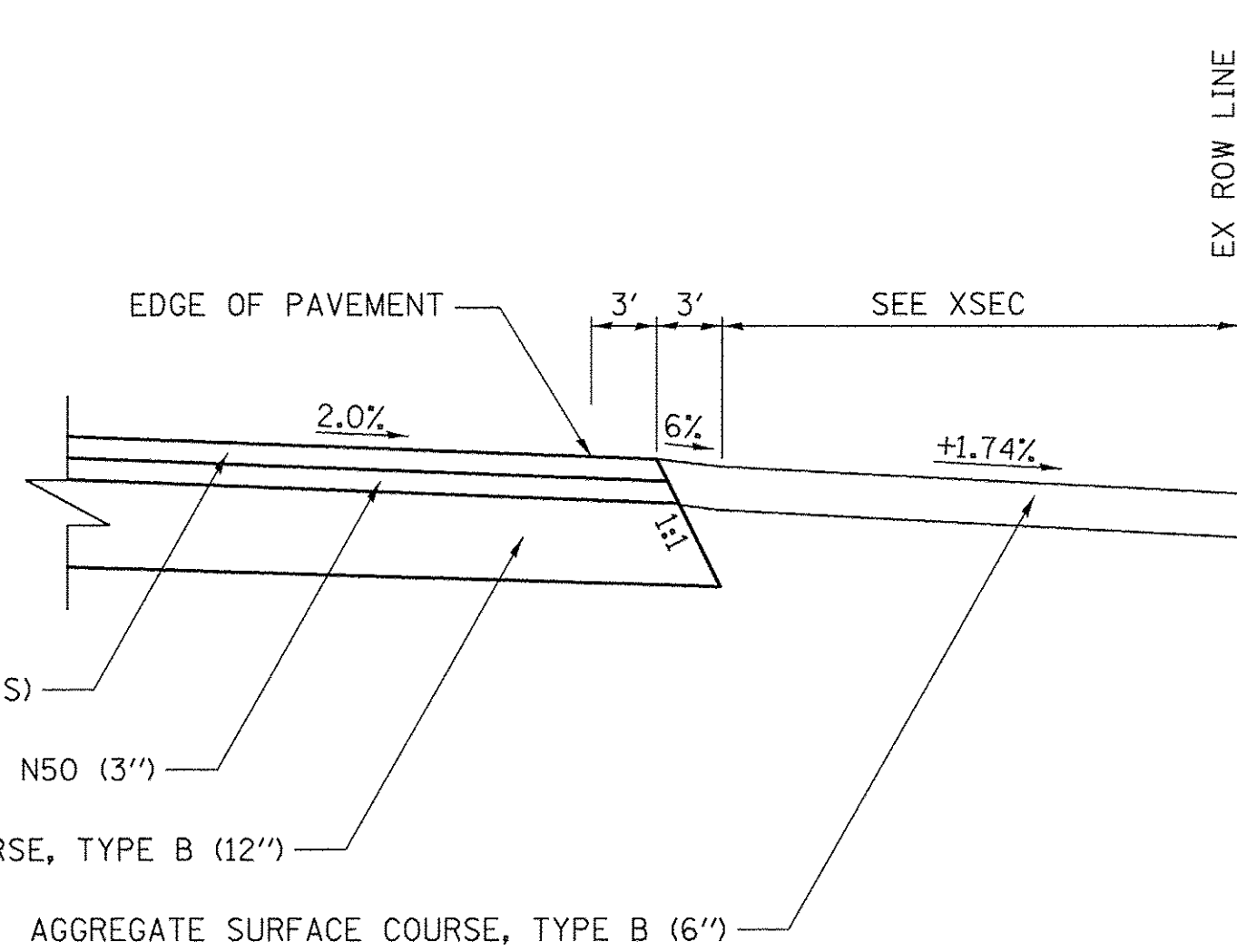


PLACE 2'x2' SIGN BOXOUT AS DIRECTED BY THE ENGINEER. HOLE SHALL BE FILLED TO THE SURFACE OF THE ISLAND WITH AGGREGATE APPROVED BY THE ENGINEER.

FILE NAME =	USER NAME = SHughes	DESIGNED - RMB	REVISED -	WOODFORD COUNTY HIGHWAY DEPARTMENT	CH 11 / IL RTE 89 INTERSECTION PAVEMENT MARKING PLAN			F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
V:\4078 - CH 11-IL 89 Intersection - (Woodford Co)\CADD\CADD Sheets\0489685-shit-pmk-1.dgn	DRAWN - SRH	REVISED -	REVISED -					357	86-00075-07-PV	WOODFORD	17	12
Default	PLOT SCALE = 20.0000' / in.	CHECKED - WSL	REVISED -		CONTRACT NO. 89728			ILLINOIS FED. AID PROJECT				
	PLOT DATE = 2/27/2017	DATE - 01/25/17	REVISED -		SCALE: 1"=20'	SHEET 1	OF 1 SHEETS	STA. N/A	TO STA. N/A			

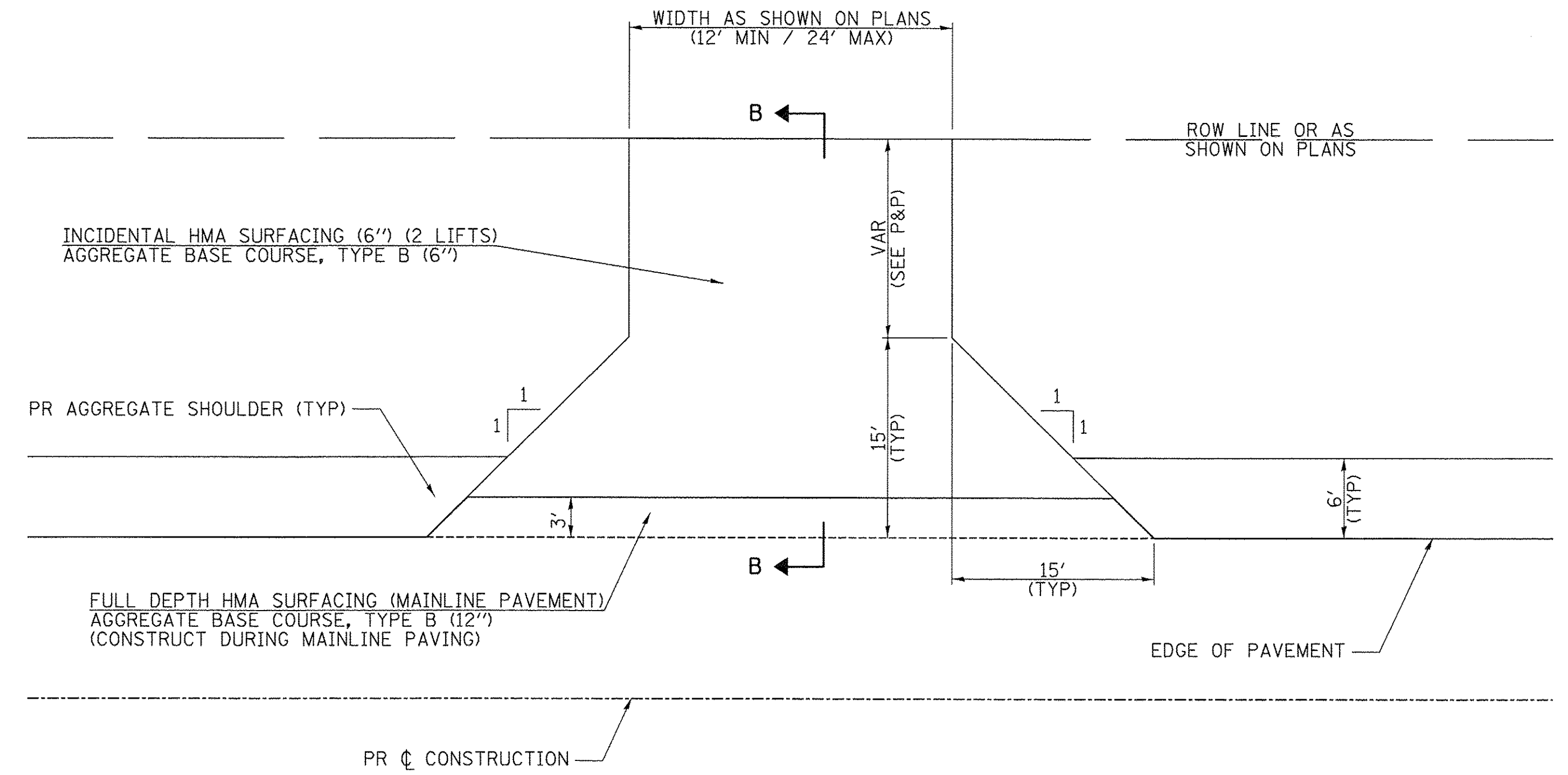


PLAN

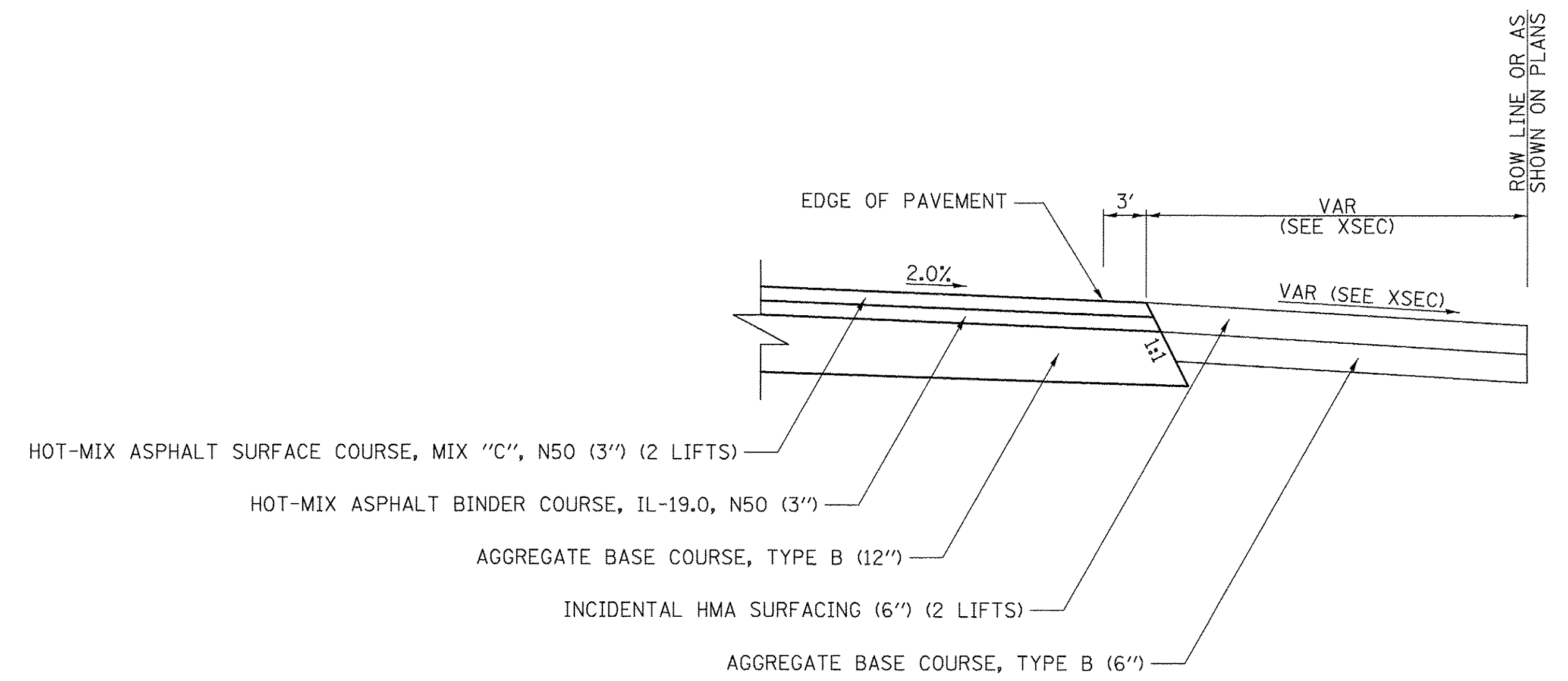


SECTION A-A

FIELD ENTRANCE DETAIL



PLAN



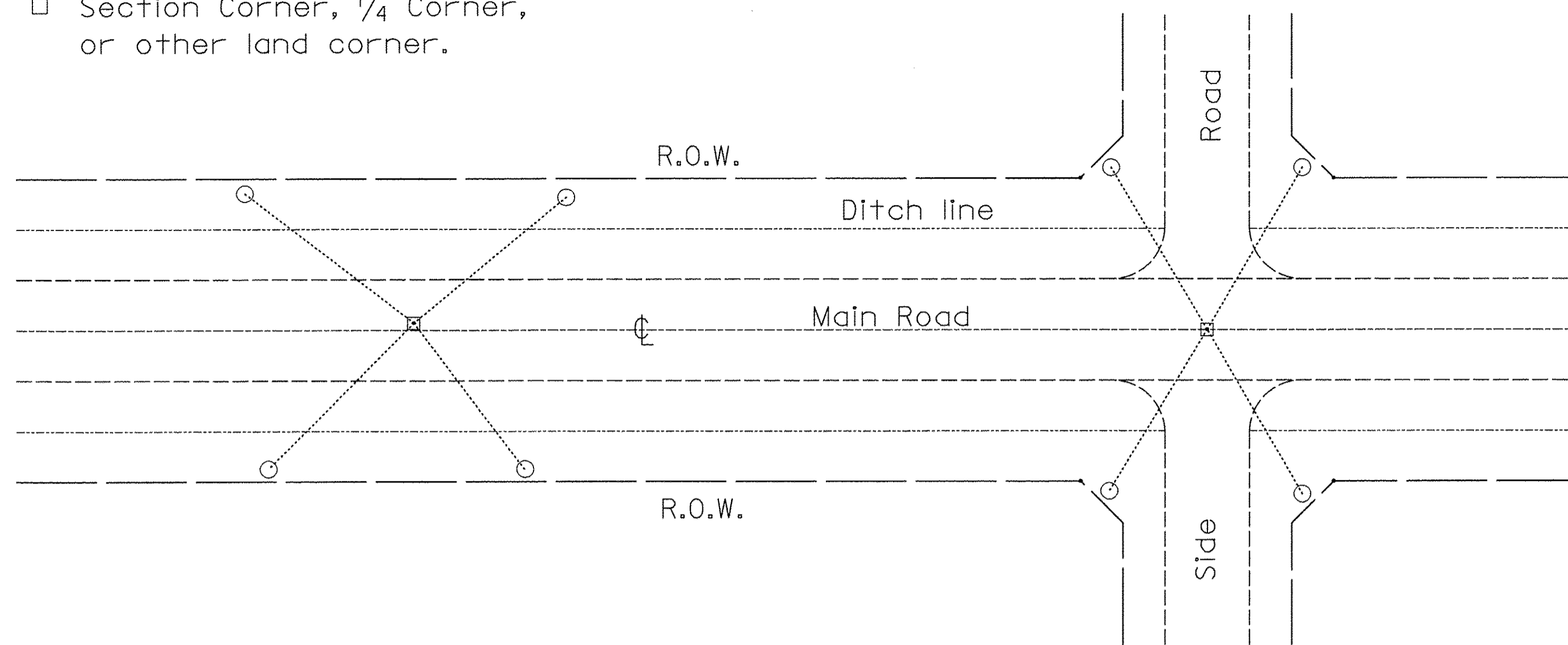
SECTION B-B

PRIVATE ENTRANCE DETAIL

FILE NAME = V:\4078 - CH 11-IL 89 Intersection - Woodford Co\CADD\CADD Sheets\0489685-sht-deta11s-1.dgn	USER NAME = SHughes	DESIGNED - RMB	REVISED -	WOODFORD COUNTY HIGHWAY DEPARTMENT	CH 11 / IL RTE 89 INTERSECTION ENTRANCE DETAILS			F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
PLOT SCALE = 1.0000' / 1" =	CHECKED - WSL	REVISOR - SRH	REVISIONS -					357	86-00075-07-PV	WOODFORD	17	13
PLOT DATE = 2/27/2017	DATE - 01/25/17	REVISOR -	REVISIONS -		SCALE: N/A SHEET NO. 1 OF 1 SHEETS STA. N/A TO STA. N/A			CONTRACT NO. 89728				
							FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT					

PERMANENT SURVEY TIES

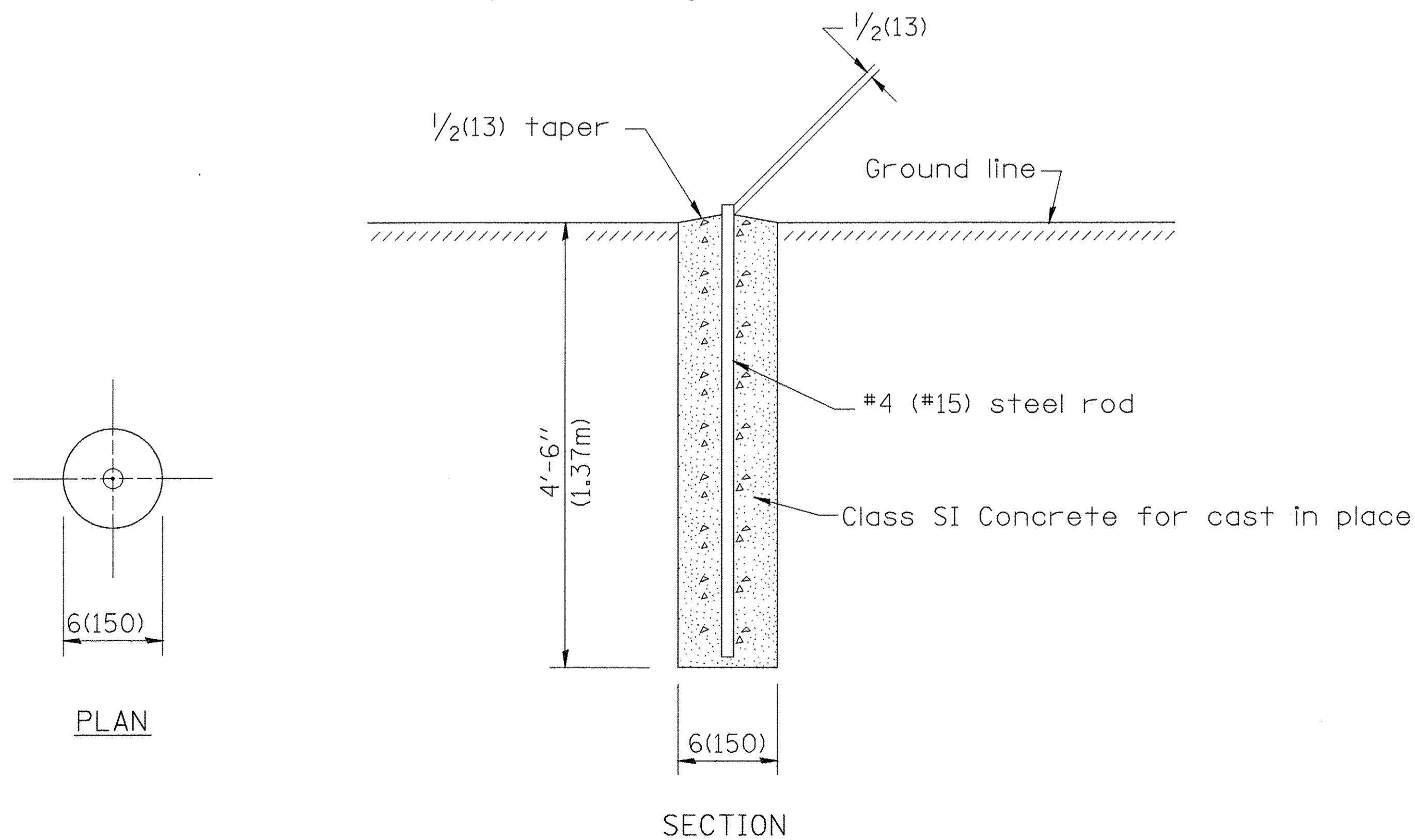
- Permanent Survey Tie
- Section Corner, 1/4 Corner, or other land corner.



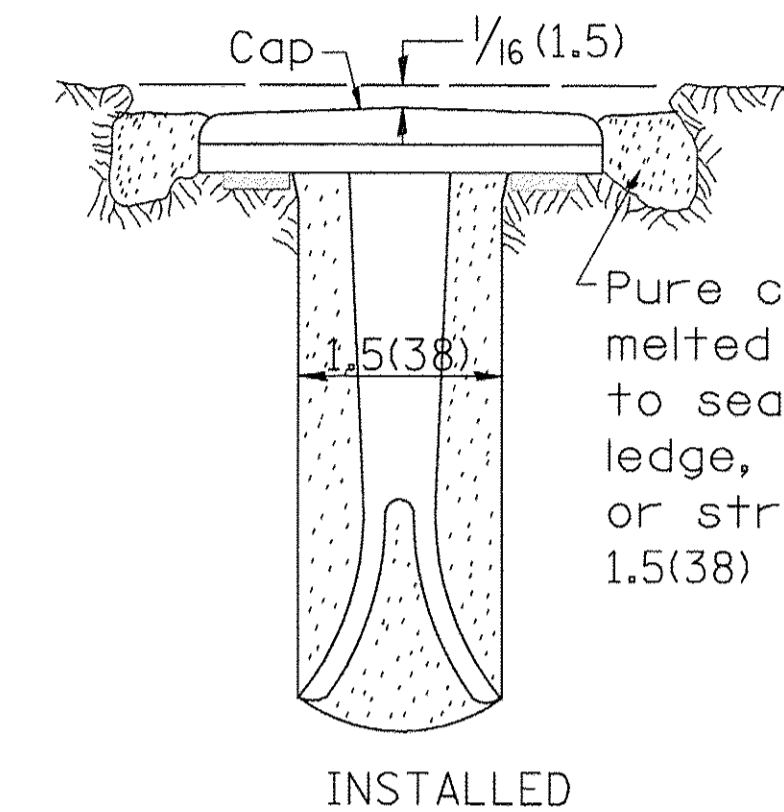
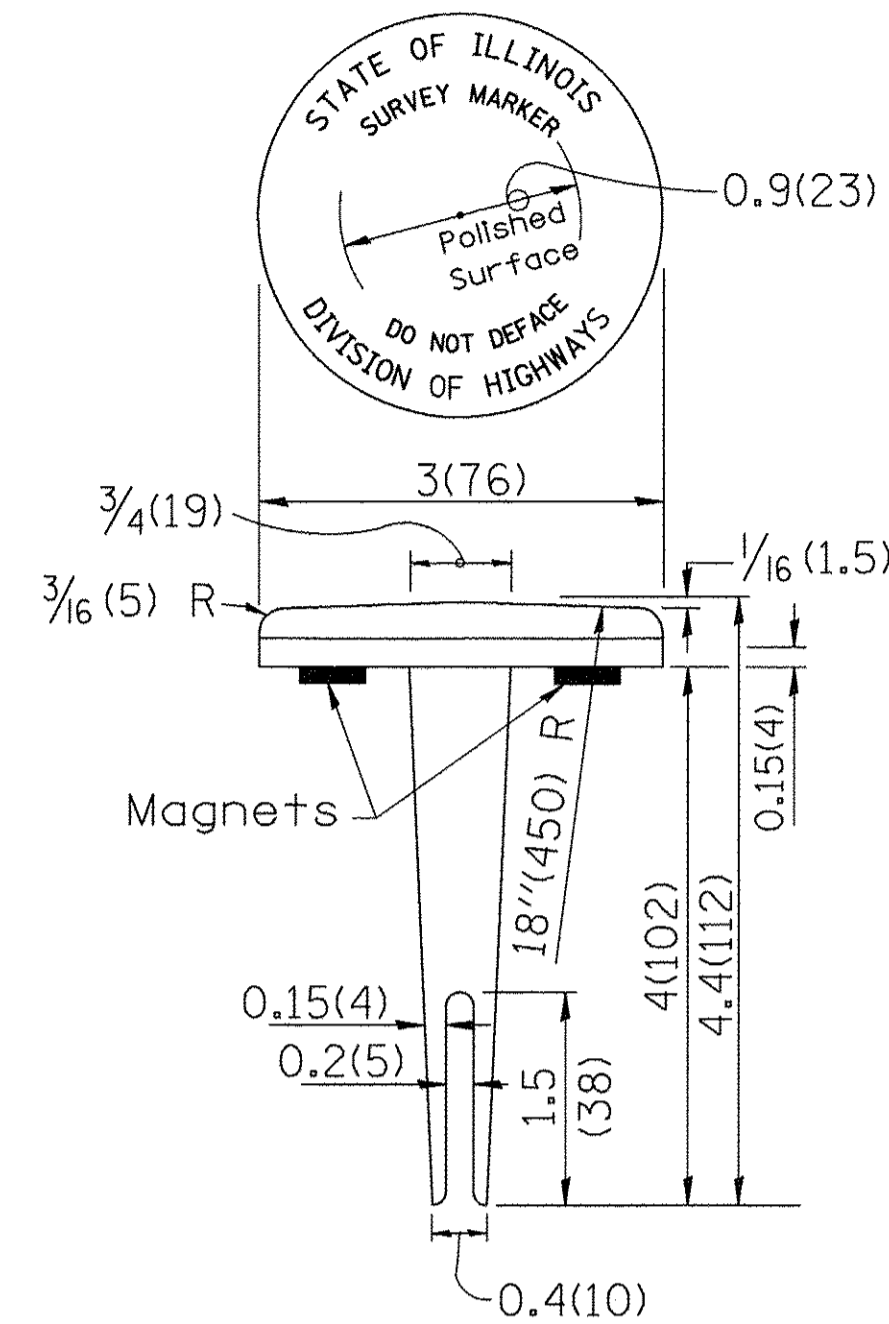
TYPICAL APPLICATION

GENERAL NOTES

1. The marker shall be cast in place of Class SI Concrete.
2. Tie marker shall be installed after the final seeding has been completed unless otherwise specified by the Engineer.
3. The tie distances to the section corner shall be measured and recorded by the surveyor setting the PSM. All ties shall be turned over to the IDOT Chief of Surveys or Chief of Plats for recordation.
4. All documentation shall be performed by a PLS



PERMANENT SURVEY MARKERS

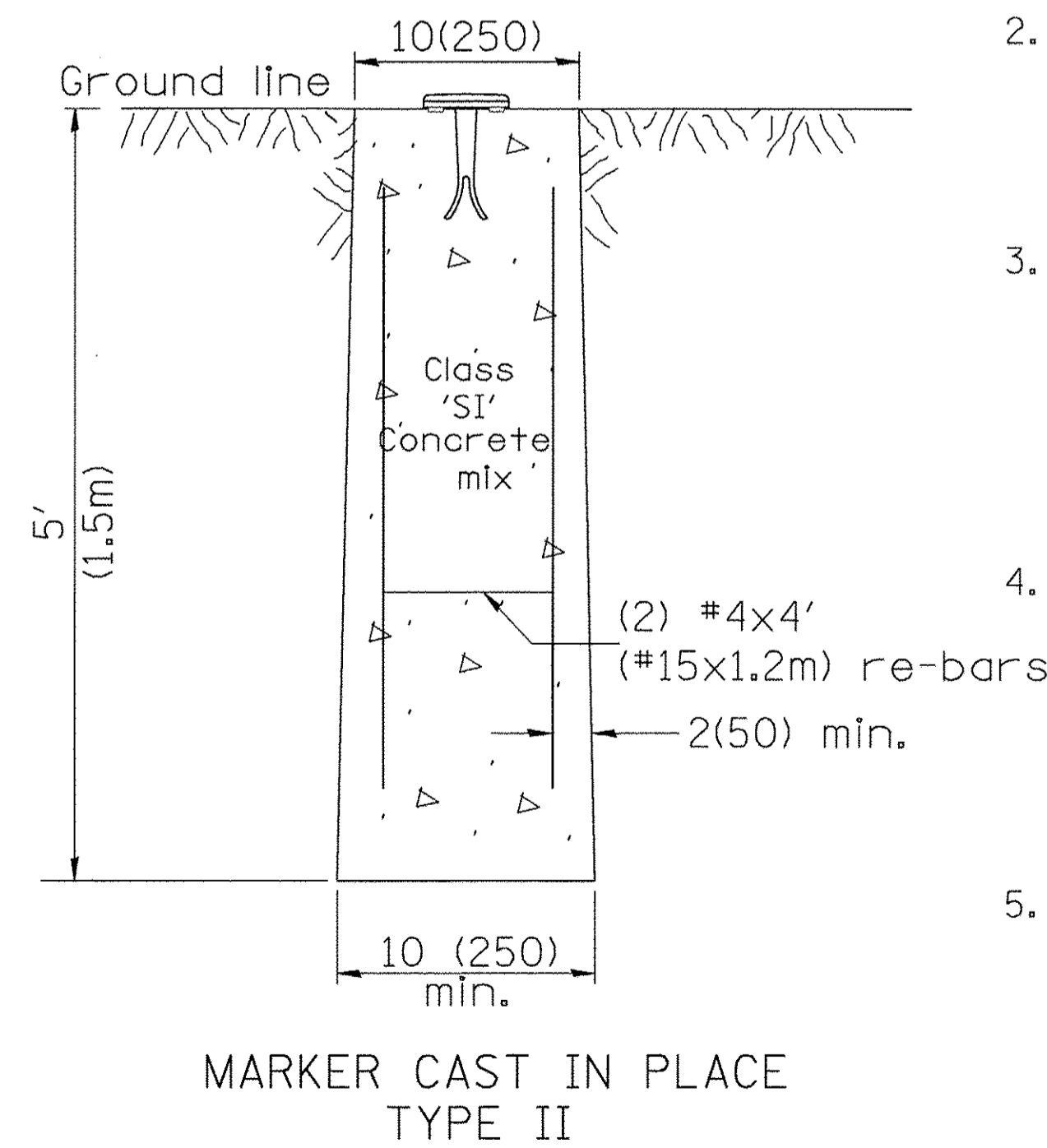


Pure cement and water or melted sulfur. User to seal tablet in rock ledge, concrete pavement or structure. set in hole 1.5(38) in diameter.

TYPE I

GENERAL NOTES

1. All type II markers shall be cast in place, and precast markers will not be allowed.
2. Two permanent magnets, each having a diameter of 3/4(19) and a thickness of 1/4(6), or equivalent, shall be attached to the underside of the tablet with an approved epoxy bonding agent.
3. The location of the markers shall be in accordance with the plans in general, the markers will be placed at the P.T.'s, P.C.'s, and P.I.'s located within the R.O.W. of horizontal curves and spaces along the tangents in a way that a minimum of two markers are always inter-visible, and not to exceed 1000' (300m).
4. The markers shall be placed under the direction of the Engineer and shall be installed in a workmanlike manner in order that there will be no further settlement or horizontal shifting. The monuments shall be placed in a way that the survey point will fall within the portion of the plaque provided for that purpose.
5. The project designation, the centerline station, the survey point, and the elevation shall be permanently marked by the use of metal dies after marker has been installed.



MARKER CAST IN PLACE TYPE II

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

01-01-97	RENUM. D-3.01, NEW REVISION BOX, REVISED	T.P.	10-16-06	REVISED TO 2007 SPEC.	M.A.
	TITLE BOX, ADD DESIGNER NOTE		01-04-11	REVISED FOR CORRECTIONS	R.D.
07-07-98	ADD DESIGNER NOTE	J.A.	08-21-13	CHANGED MIN. DIAMETER	R.D.
05-24-06	REMOVED GEN. NOTE UNDER TIES	M.A.			

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

NOT TO SCALE

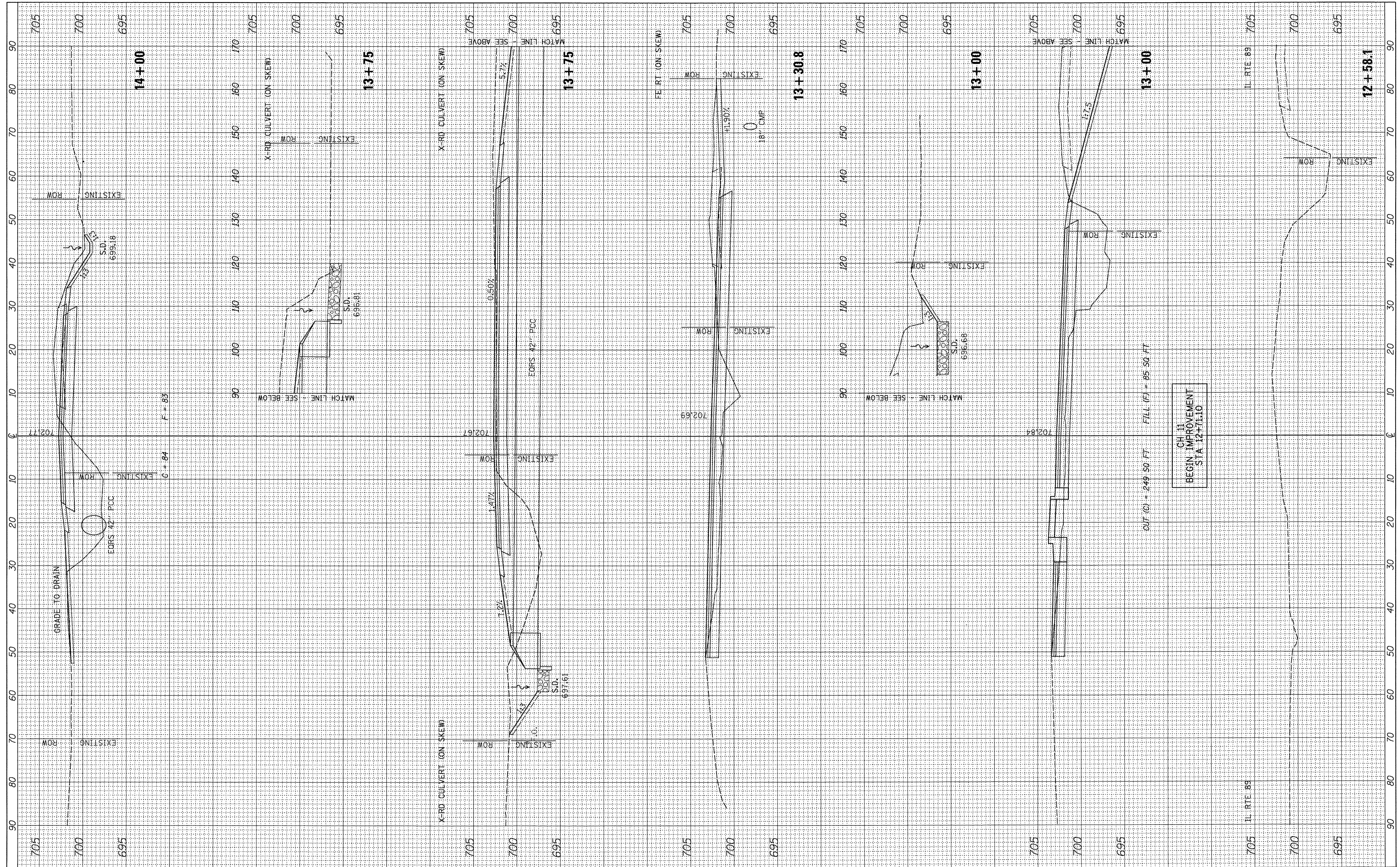
**PERMANENT SURVEY TIE &
PERMANENT SURVEY MARKERS TY.I - TY.II**

CADD STD. 667101-D4

F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
357	86-00075-07-PV	WOODFORD	17	14
FED. ROAD DIST. NO. [ILLINOIS] FED. AID PROJECT			CONTRACT NO. 89728	

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

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



FILE NAME = V:\4078 - CH 11-IL 89 Intersection - (Woodford
 USER NAME = SHughes
 DESIGNED - RMB
 DRAWN - SRH
 PLOT SCALE = 10.0000' / in.
 PLOT DATE = 2/27/2017

CHECKED - WSL
 DATE - 01/26/17
 REVISED -
 REVISED -
 REVISED -
 REVISED -

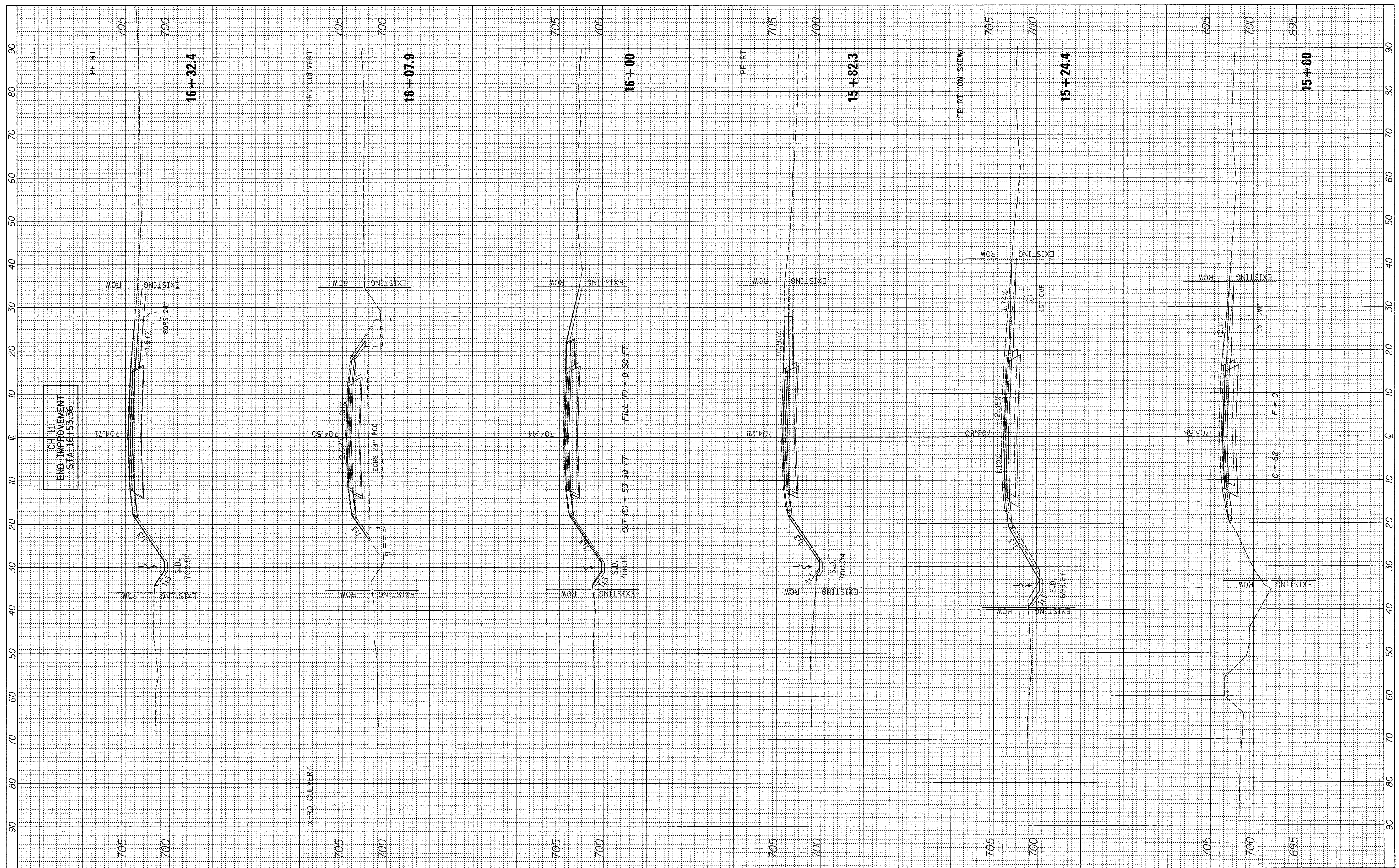
**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

**CH 11 / IL RTE 89 INTERSECTION
 CROSS SECTIONS**
 SCALE: H=10 V=5 SHEET 1 OF 3 SHEETS STA. 12+58.1 TO STA. 14+00

F.A.S. RTE. 357	SECTION 86-00075-07-PV	COUNTY WOODFORD	TOTAL SHEETS 17	SHEET NO. 15
CONTRACT NO. 89728			ILLINOIS FED. AID PROJECT	

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

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



FILE NAME = V:\4078 - CH 11-IL 89 Intersection - (Woodford Co)\CADD\CADD Sheets\0489685-sht-xsst-CH11-1.rvt.dgn
 USER NAME = SHughes
 PLOT SCALE = 10.0000' / in.
 PLOT DATE = 2/27/2017

DESIGNED - RMB
 DRAWN - SRH
 CHECKED - WSL
 DATE - 01/26/17

REVISED -
 REVISED -
 REVISED -
 REVISED -

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

**CH 11 / IL RTE 89 INTERSECTION
 CROSS SECTIONS**

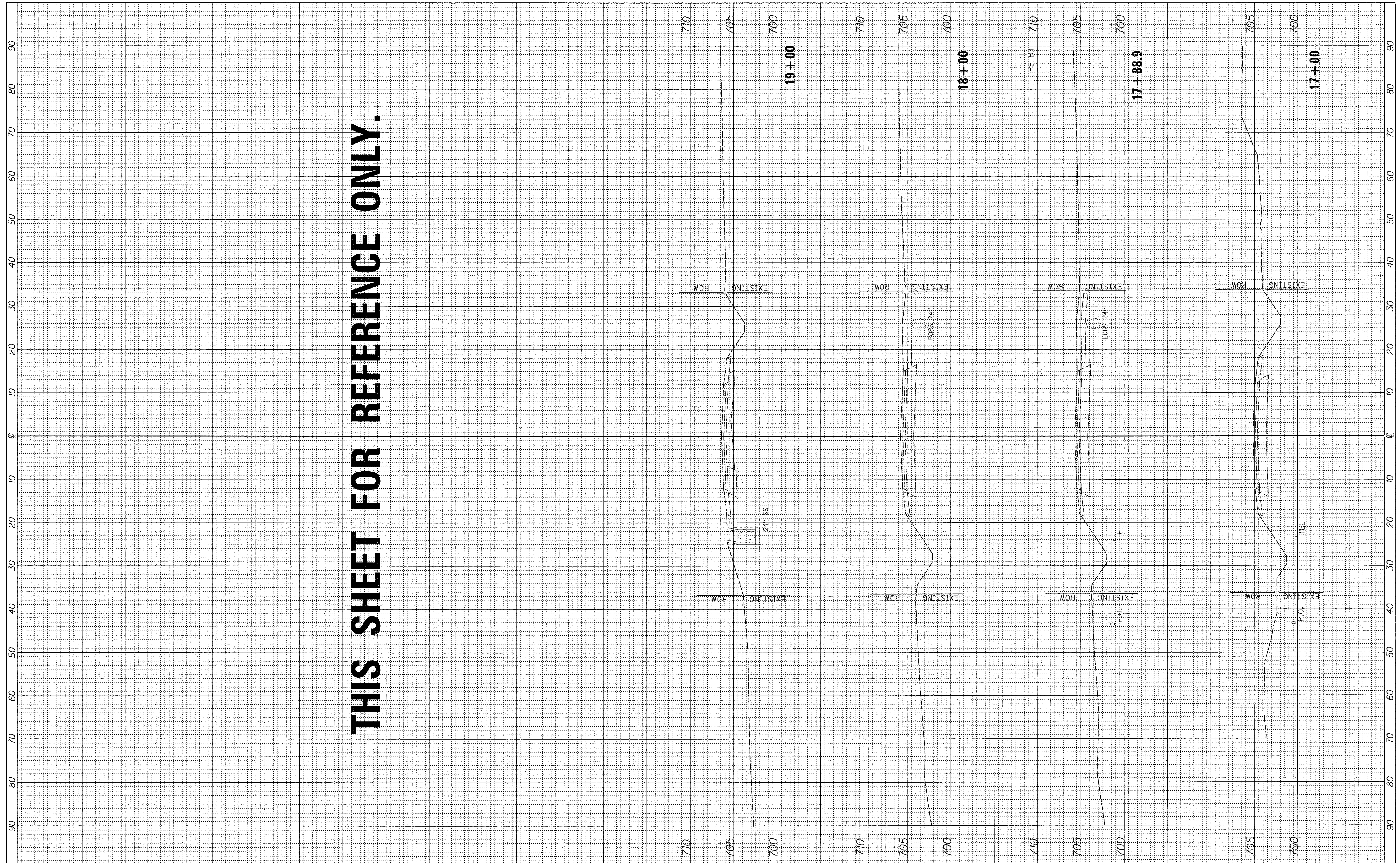
SCALE: H=10 V=5 SHEET 2 OF 3 SHEETS STA. 15+00 TO STA. 16+32.4

F.A.S. RIE. 357	SECTION 86-00075-07-PV	COUNTY WOODFORD	TOTAL SHEETS 17	SHEET NO. 16
CONTRACT NO. 89728			[ILLINOIS] FED. AID PROJECT	

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

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

THIS SHEET FOR REFERENCE ONLY.



FILE NAME =	USER NAME = SHughes	DESIGNED - RMB	REVISED -
V:\4078 - CH 11-IL 89 Intersection - (Woodford	C:\CADD\CADD Sheets\409685-sht-xsst-CH11-	DRAWN - SRH	REVISED -
Default	PLOT SCALE = 10.0000' / in.	CHECKED - WSL	REVISED -
	PLOT DATE = 2/27/2017	DATE - 01/26/17	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

CH 11 / IL RTE 89 INTERSECTION
CROSS SECTIONS

SCALE: H=10 V=5 SHEET 3 OF 3 SHEETS STA. 17+00 TO STA. 19+00

F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
357	86-00075-07-PV	WOODFORD	17	17
			CONTRACT NO. 89728	
ILLINOIS FED. AID PROJECT				