

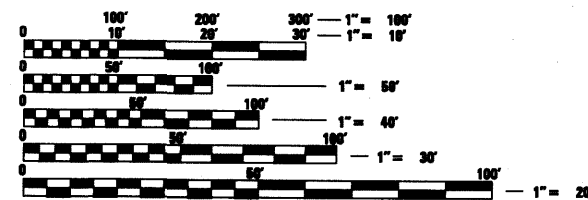
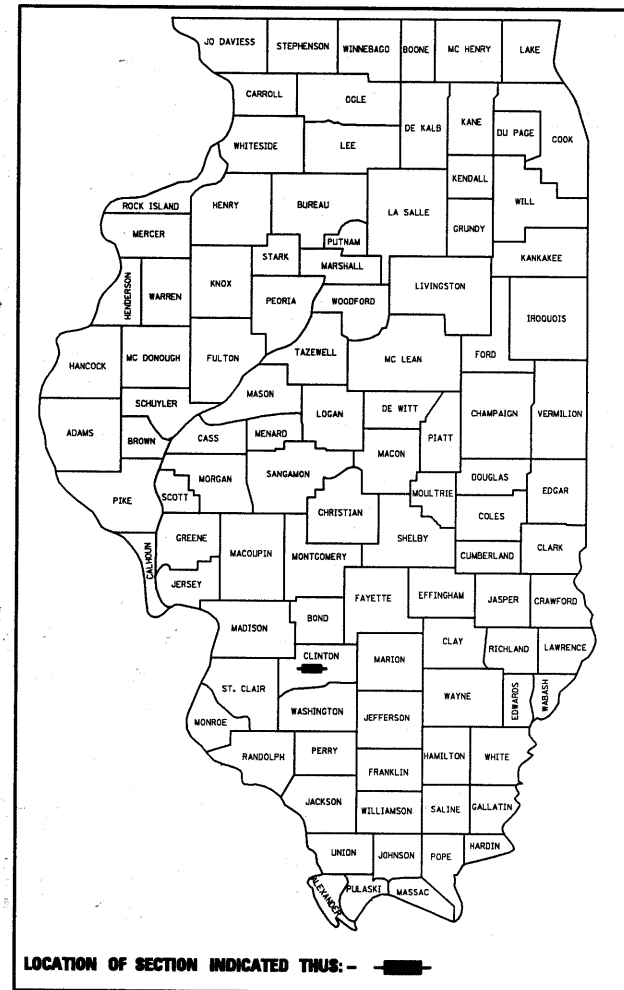
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION
DIVISION OF HIGHWAYS
CITY OF BREESE
ITEP SHARED-USE TRAIL PLANS

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	06-00016-00-BT	CLINTON	25	1
FEDERAL AID PROJECT	ILLINOIS	CONTRACT NO. 97416		

INDEX OF SHEETS

- 1 COVER
- 2 SUMMARY OF QUANTITIES, LIST OF STANDARDS AND GENERAL NOTES
- 3-4 TYPICAL SECTIONS
- 5-6 SCHEDULES OF QUANTITIES
- 7-9 PLAN AND PROFILE
- 10 EXISTING TOPOGRAPHY AND REMOVALS
- 11 EROSION CONTROL PLAN
- 12-13 PLAT OF HIGHWAYS
- 14 MISCELLANEOUS DETAILS
- 15-19 STRUCTURE PLANS
- 20-25 CROSS-SECTIONS

SECTION: 06-00016-00-BT
PROJECT: ARA-00D8(124)
JOB #: C-98-308-07
CLINTON COUNTY
ENHANCEMENT FUNDS

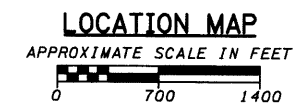
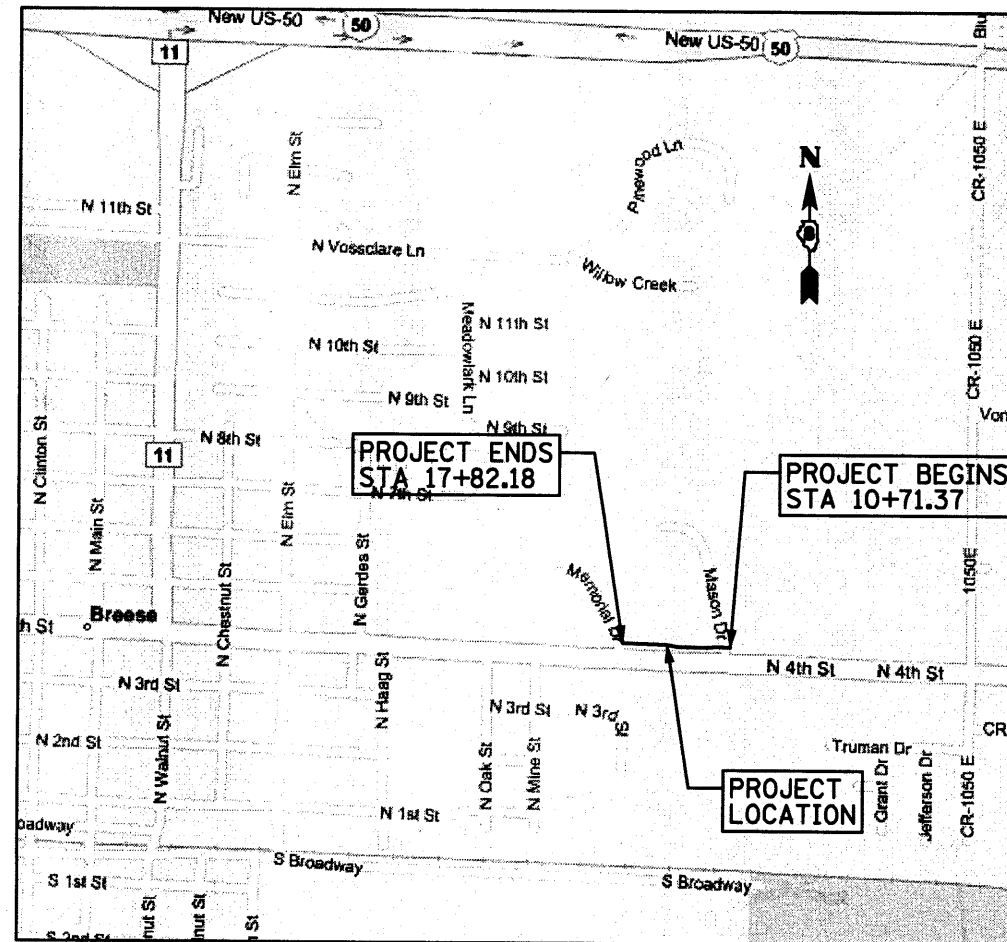


FULL SIZE PLANS HAVE BEEN PREPARED USING STANDARD ENGINEERING SCALES. REDUCED SIZED PLANS WILL NOT CONFORM TO STANDARD SCALES. IN MAKING MEASUREMENTS ON REDUCED PLANS, THE ABOVE SCALES MAY BE USED.

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

PRINTED BY THE AUTHORITY OF THE STATE OF ILLINOIS

PROJECT ENGINEER: SCOTT A. RAKERS
PROJECT MANAGER: DON VOSS



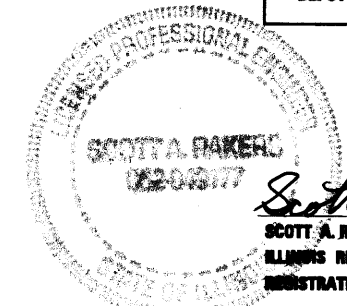
LENGTH OF IMPROVEMENTS = 710.81 FEET = 0.135 MILES

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION
DIVISION OF HIGHWAYS

SUBMITTED 1/17 2010
Charles E. Hilmes
 MAYOR OF THE CITY OF BREESE - CHARLES E. HILMES

PASSED January 15 2010
Lora Rensing
 ACTING DISTRICT ENGINEER OF LOCAL ROADS AND STREETS - LORA RENSING

RELEASING FOR BID BASED ON LIMITED REVIEW January 15 2010
Mary C. Lamine
 DEPUTY DIRECTOR OF HIGHWAYS, REGION 5 ENGINEER - MARY C. LAMINE



Scott A. Rakers 01/12/10
SCOTT A. RAKERS, P.E.
 ILLINOIS REGISTERED ENGINEER NO. 062-048177
 REGISTRATION EXPIRES NOV. 30, 2011

SUMMARY OF QUANTITIES

CODE NO.	ITEM	UNIT	QUANTITY
20200100	EARTH EXCAVATION	CU YD	25
20300100	CHANNEL EXCAVATION	CU YD	50
20400800	FURNISHED EXCAVATION	CU YD	725
20800150	TRENCH BACKFILL	CU YD	31
25000210	SEEDING, CLASS 2A	ACRE	0.50
25000400	NITROGEN FERTILIZER NUTRIENT	POUND	45
25000500	PHOSPHORUS FERTILIZER NUTRIENT	POUND	45
25000600	POTASSIUM FERTILIZER NUTRIENT	POUND	45
25000700	AGRICULTURAL GROUND LIMESTONE	TON	1.0
25100115	MULCH, METHOD 2	ACRE	0.50
28000250	TEMPORARY EROSION CONTROL SEEDING	POUND	40
28000305	TEMPORARY DITCH CHECKS	FOOT	60
28000400	PERIMETER EROSION BARRIER	FOOT	656
28000500	INLET AND PIPE PROTECTION	EACH	10
28100107	STONE RIPRAP, CLASS A4	SQ YD	51
28200200	FILTER FABRIC	SQ YD	51
42001300	PROTECTIVE COAT	SQ YD	646
42400200	PORTLAND CEMENT CONCRETE SIDEWALK 5 INCH	SQ FT	5,621
42400800	DETECTABLE WARNINGS	SQ FT	45
44000400	GUTTER REMOVAL	FOOT	43.5
44000500	COMBINATION CURB AND GUTTER REMOVAL	FOOT	33.5
50105220	PIPE CULVERT REMOVAL	FOOT	115
50800205	REINFORCEMENT BARS, EPOXY COATED	POUND	16,960
50901725	BICYCLE RAILING, SPECIAL	FOOT	86
54002020	EXPANSION BOLTS 3/4 INCH	EACH	38
54003000	CONCRETE BOX CULVERTS	CU YD	91.9
54216190	REINFORCED CONCRETE PIPE TEE, 18" PIPE WITH 12" RISER	EACH	1
60225300	RESTRICTED DEPTH MANHOLES, 5'-DIAMETER, TYPE 1 FRAME, OPEN LID	EACH	1
60225900	RESTRICTED DEPTH MANHOLES, 5'-DIAMETER, TYPE 8 GRATE	EACH	1
60240301	INLETS, TYPE B, TYPE 8 GRATE	EACH	1
60500040	REMOVING MANHOLES	EACH	1
60602200	CONCRETE GUTTER	FOOT	43.5
60605000	COMBINATION CONCRETE CURB AND GUTTER, TYPE B-6.24	FOOT	33.5
67100100	MOBILIZATION	L SUM	1
70103700	TRAFFIC CONTROL COMPLETE	L SUM	1
72000100	SIGN PANEL - TYPE 1	SQ FT	4.5
72900100	METAL POST - TYPE A	FOOT	20
78001150	PAINT PAVEMENT MARKING - LINE 12"	FOOT	66
550A2400	STORM SEWERS, RUBBER GASKET, CLASS A, TYPE 1 36"	FOOT	204
550A2520	STORM SEWERS, RUBBER GASKET, CLASS A, TYPE 2 12"	FOOT	6
550A2540	STORM SEWERS, RUBBER GASKET, CLASS A, TYPE 2 18"	FOOT	17

* - INDICATES A SPECIALTY ITEM

GENERAL NOTES

- ALL ELEVATIONS REFER TO U.S.G.S. MEAN SEA LEVEL DATUM.
- THE CONTRACTOR SHALL EXERCISE CARE IN PERFORMING REMOVALS SO AS NOT TO DISRUPT ADJOINING FEATURES THAT ARE TO REMAIN IN PLACE. ANY DAMAGE CAUSED TO ADJOINING FEATURES AS A RESULT OF THE CONTRACTOR'S NEGLIGENCE SHALL BE REPAIRED AT THE CONTRACTOR'S EXPENSE TO THE SATISFACTION OF THE ENGINEER.
- ALL SAW CUTTING REQUIRED FOR REMOVALS SHALL BE INCLUDED IN THE CONTRACT UNIT PRICE PER UNIT OF REMOVAL QUANTITIES.
- THE CONTRACTOR SHALL EXERCISE CARE IN EXCAVATING AROUND EXISTING UTILITIES TO REMAIN IN PLACE, SUCH AS WATER AND SEWER MAINS, AND SHALL BE RESPONSIBLE FOR REPAIR OF THESE AND MAINTENANCE OF SERVICE, IF DAMAGED BY THE CONTRACTOR'S ACTIVITIES, AS DEEMED SUCH BY THE ENGINEER.
- THE CONTRACTOR SHALL BE RESPONSIBLE FOR ESTABLISHING POSITIVE DRAINAGE IN THE DISTURBED AREAS, TO THE SATISFACTION OF THE ENGINEER.
- ALL AREAS THAT ARE DISTURBED BEYOND THE SEEDING LIMITS SHALL BE GRADED BY THE CONTRACTOR AT HIS/HER EXPENSE, IN THE SAME MANNER AS FINAL GRADING WORK PER THE SPECIFICATIONS, TO THE SATISFACTION OF THE ENGINEER.
- IN ADDITION TO WARNING SIGNS SHOWN ON THE STANDARDS FOR TRAFFIC CONTROL, ROAD CONSTRUCTION AHEAD SIGNS SHALL BE PLACED ON INTERSECTING SIDE ROADS THROUGHOUT THE WORK ZONE.
- ALL ADVANCED WARNING SIGNS SHALL BE 48" FLUORESCENT ORANGE.
- FOR THE RELOCATION OF THE EXISTING UTILITY SIGN LOCATED AT STA 11+63.35, 11.20' LT, THE CONTRACTOR IS RESPONSIBLE FOR COORDINATING THE RELOCATION OF THE SIGN.
- ALL CONCRETE GUTTER AND COMBINATION CONCRETE CURB AND GUTTER TO BE REPLACED ADJACENT TO THE PROPOSED TRAIL SHALL BE COMPLIANT WITH CURRENT ADA STANDARDS.
- SLOPES STEEPER THAN A 3H:1V BEHIND GUARDRAIL WILL REQUIRE A MINIMUM 2.0' FLAT AREA PER HIGHWAY STANDARD 630001.
- TRANSVERSE CONTRACTION JOINTS SHALL BE SPACED AT 4.0' INTERVALS WITH TRANSVERSE EXPANSION JOINTS PER THE STANDARD SPECIFICATIONS.
- THE CONTRACTOR SHALL SAW CUT A LONGITUDINAL JOINT ALONG THE $\frac{1}{2}$ OF THE PROPOSED SHARED-USE FACILITY. ADDITIONALLY, A LONGITUDINAL JOINT SHALL BE SAW CUT 4.0' FROM THE PROPOSED $\frac{1}{2}$ WHERE PAVEMENT WIDTH EXCEEDS 8.0'.
- THE FOLLOWING RATES OF APPLICATION HAVE BEEN USED IN CALCULATING PLAN QUANTITIES.

APPLICATION RATES

NITROGEN FERTILIZER NUTRIENT	90 LBS/ACRE
PHOSPHORUS FERTILIZER NUTRIENT	90 LBS/ACRE
POTASSIUM FERTILIZER NUTRIENT	90 LBS/ACRE
AGRICULTURAL GROUND LIMESTONE	2 TONS/ACRE
TEMPORARY EROSION CONTROL SEEDING	100 LBS/ACRE

IDOT HIGHWAY STANDARDS

000001-05	STANDARD SYMBOLS, ABBREVIATIONS AND PATTERNS
001001-02	AREAS OF REINFORCEMENT BARS
001006	DECIMAL OF AN INCH AND OF A FOOT
280001-05	TEMPORARY EROSION CONTROL SYSTEMS
424001-05	CURB RAMPS FOR SIDEWALKS
542606-01	REINFORCED CONCRETE PIPE TEE
602306-02	INLET - TYPE B
602401-02	MANHOLE TYPE A
602601-02	PRECAST REINFORCED CONCRETE FLAT SLAB TOP
602701-02	MANHOLE STEPS
604036-02	GRATE TYPE B
606001-04	CONCRETE CURB TYPE B AND COMBINATION CONCRETE CURB AND GUTTER
630001-08	STEEL PLATE BEAM GUARDRAIL
701001-02	OFF-RD OPERATIONS, 2L, 2W, MORE THAN 15' AWAY
701006-03	OFF-RD OPERATIONS, 2L, 2W, 15' TO 24" FROM PAVEMENT EDGE
701011-02	OFF-RD MOVING OPERATIONS, 2L, 2W, DAY ONLY
701301-03	LANE CLOSURE, 2L, 2W, SHORT TIME OPERATIONS
701901-01	TRAFFIC CONTROL DEVICES
720001-01	SIGN PANEL MOUNTING DETAILS
720006-02	SIGN PANEL ERECTION DETAILS
720011-01	METAL POSTS FOR SIGNS, MARKERS & DELINEATORS
780001-02	TYPICAL PAVEMENT MARKINGS

KNOWN UTILITY COMPANIES

AMEREN IP
ATTN: JOSEPH J. PERRYMAN
1050 WEST BOULEVARD
BELLEVILLE, IL 62221
TELEPHONE: (618) 236-6252

CITY OF BREESE
ATTN: DALE DETMER
500 NORTH FIRST STREET
BREESE, IL 62230
TELEPHONE: (618) 526-7151

CLINTON COUNTY ELECTRIC COOP
ATTN: HARRY BULLER
475 NORTH MAIN STREET
BREESE, IL 62230
TELEPHONE: (618) 526-7282

CENTERPOINT ENERGY, INC.
ATTN: RICK HARDESTER
4500 WEST 61ST STREET
LITTLE ROCK, AR 72209
TELEPHONE: (501) 377-4614

AT&T DISTRIBUTION
ATTN: ART NALL
210 NORTH LOCUST
CENTRALIA, IL 62801
TELEPHONE: (618) 533-3418

CHARTER COMMUNICATIONS
ATTN: GARRY WARREN
210 WEST DIVISION STREET
MARYVILL, IL 62062
TELEPHONE: (618) 779-4179

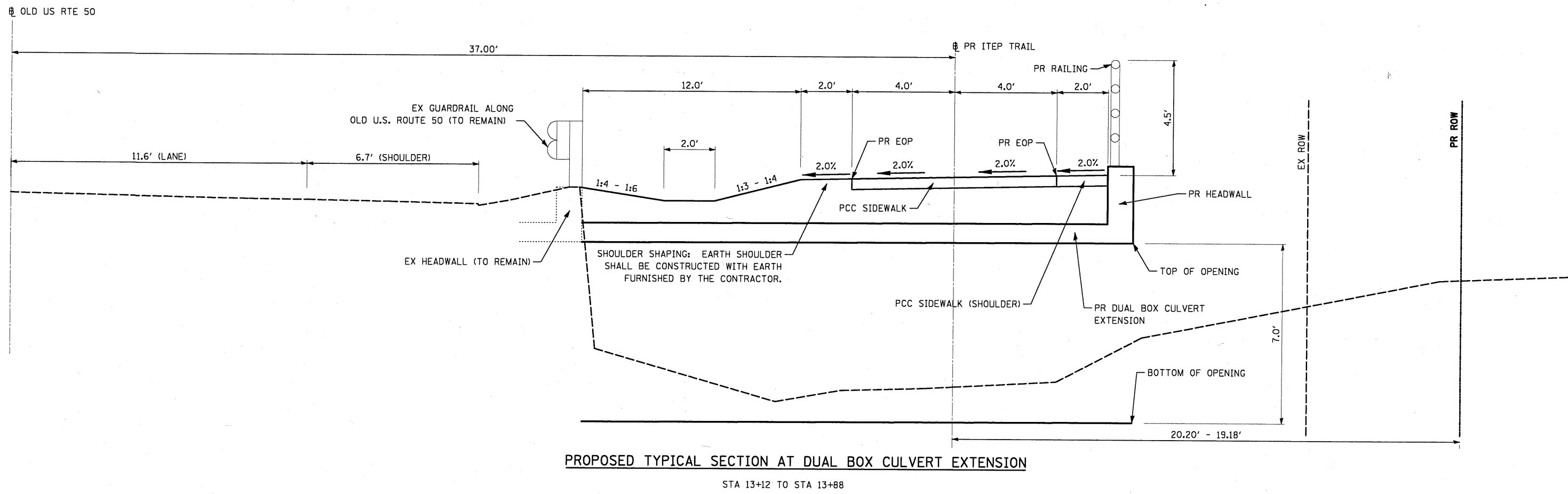
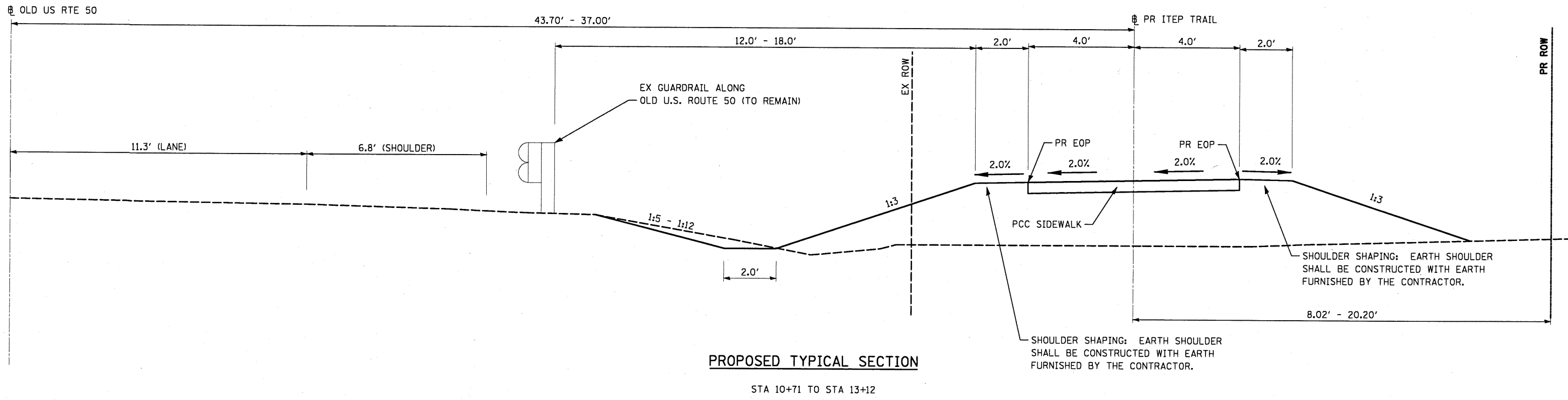
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	PLOT DATE = 1/12/2010	DATE - 01/11/2010	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

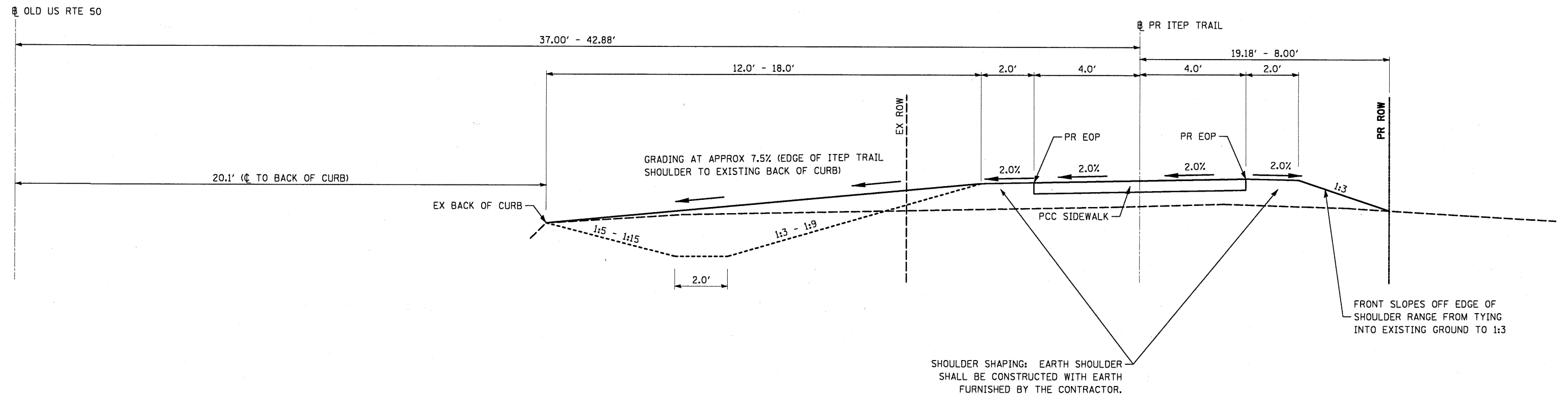
**BREESE ITP SHARED-USE FACILITY
SUMMARY OF QUANTITIES, LIST OF STANDARDS AND GENERAL NOTES**

SCALE: NONE SHEET NO. 1 OF 1 SHEETS STA. TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	06-00016-00-BT	CLINTON	25	2
CONTRACT NO. 97416				
ILLINOIS FED. AID PROJECT				



FILE NAME = #FILEL#	USER NAME = #USER#	DESIGNED - KJS	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	BREESE ITEP SHARED-USE FACILITY TYPICAL SECTIONS			F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
		DRAWN - KOJ	REVISED -		SCALE: NONE	SHEET NO. 1 OF 2 SHEETS	STA.	TO STA.	06-00016-00-BT	CLINTON	25	3
		CHECKED - SAR	REVISED -						CONTRACT NO. 97416			
		DATE - 1/11/2010	REVISED -						ILLINOIS FED. AID PROJECT			



PROPOSED TYPICAL SECTION

STA 13+88 TO STA 15+75 (2.0' DITCH)
 STA 15+75 TO STA 17+85 (GRADED TO DRAIN TO BACK OF CURB)

FILE NAME =	USER NAME = *USER*	DESIGNED - KJS	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	BREESE ITEP SHARED-USE FACILITY TYPICAL SECTIONS			F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
#FILE#		DRAWN - KOJ	REVISED -		SCALE: NONE SHEET NO. 2 OF 2 SHEETS STA. TO STA.				06-00016-00-BT	CLINTON	25	4
		CHECKED - SAR	REVISED -		CONTRACT NO. 97416							
		DATE - 1/11/2010	REVISED -		ILLINOIS FED. AID PROJECT							

SEEDING SCHEDULE

LOCATION	TEMPORARY EROSION CONTROL SEEDING	SEEDING CLASS 2A	MULCH, METHOD 2	NITROGEN FERTILIZER NUTRIENT	PHOSPHORUS FERTILIZER NUTRIENT	POTASSIUM FERTILIZER NUTRIENT	AGRICULTURAL GROUND LIMESTONE
	POUND	ACRE	ACRE	POUND	POUND	POUND	TON
ITEP SHARED-USE FACILITY							
STA 10+50.00 TO STA 12+00.00	5.23	0.052	0.052	4.71	4.71	4.71	0.10
STA 12+00.00 TO STA 13+00.00	5.00	0.050	0.050	4.50	4.50	4.50	0.10
STA 13+00.00 TO STA 14+00.00	5.14	0.051	0.051	4.63	4.63	4.63	0.10
STA 14+00.00 TO STA 15+00.00	5.22	0.052	0.052	4.69	4.69	4.69	0.10
STA 15+00.00 TO STA 16+00.00	5.62	0.056	0.056	5.06	5.06	5.06	0.11
STA 16+00.00 TO STA 17+00.00	5.32	0.053	0.053	4.79	4.79	4.79	0.11
STA 17+00.00 TO STA 17+82.18	3.78	0.038	0.038	3.41	3.41	3.41	0.08
TOTAL	35.3	0.352	0.352	31.79	31.79	31.79	0.70
USE	40	0.50	0.50	45	45	45	1.0

SIGN SCHEDULE

LOCATION	SIGN PANEL ID	SIGN PANEL - TYPE 1	METAL POST - TYPE A
		SQ FT	FOOT
ITEP SHARED-USE FACILITY			
LT STA 11+10.87 7.75'	R1-1 (STOP)	2.25	10.0
RT STA 17+76.50 7.75'	R1-1 (STOP)	2.25	10.0
TOTAL		4.50	20.0
USE		4.5	20

EROSION CONTROL SCHEDULE

LOCATION	INLET AND PIPE PROTECTION	PERIMETER EROSION BARRIER	TEMPORARY DITCH CHECKS
	EACH	FOOT	FOOT
ITEP SHARED-USE FACILITY			
LT STA 10+52.46 20.17'	1.0		
LT STA 11+23.74 20.24'	1.0		
LT STA 11+74.82 13.58'			12.0
LT STA 12+10.02 14.30'	1.0		
LT STA 12+24.83 13.59'			12.0
LT STA 12+99.83 10.85'			12.0
LT STA 13+59.83 11.47'			12.0
LT STA 13+75.03 12.48'	1.0		
LT STA 14+75.00 12.80'			12.0
LT STA 14+56.33 14.64'	1.0		
LT STA 14+56.33 19.23'	1.0		
LT STA 15+25.24 22.44'	1.0		
LT STA 16+50.53 23.06'	1.0		
LT STA 16+50.75 18.57'	1.0		
LT STA 16+99.44 23.01'	1.0		
RT 11+08.66 11.24' TO 12+00.00 19.86'		92.76	
RT 12+00.00 19.86' TO 13+00.00 24.36'		98.69	
RT 13+00.00 24.36' TO 14+00.00 22.92'		76.05	
RT 14+00.00 22.92' TO 15+00.00 17.42'		99.38	
RT 15+00.00 17.42' TO 16+00.00 14.44'		100.82	
RT 16+00.00 14.44' TO 17+00.00 13.09'		100.00	
RT 17+00.00 13.09' TO 17+82.18 11.91'		87.57	
TOTAL	10.0	655.27	60.0
USE	10	656	60

EARTHWORK SCHEDULE

LOCATION	A	B	C	D	E	F
	• EARTH EXCAVATION	SHRINKAGE FACTOR (25%)	REQUIRED FILL	BALANCE	• FURNISHED EXCAVATION	CHANNEL EXCAVATION
	CU YD	CU YD	CU YD	CU YD	CU YD	CU YD
ITEP SHARED-USE FACILITY						
STA 10+71.37 TO STA 12+00.00	6.2	4.7	72.7	-68.1	68.1	0.0
STA 12+00.00 TO STA 13+00.00	2.7	2.0	216.2	-214.2	214.2	0.0
STA 13+00.00 TO STA 14+00.00	0.6	0.5	215.5	-215.1	215.1	50.0
STA 14+00.00 TO STA 15+00.00	4.0	3.0	88.2	-85.2	85.2	0.0
STA 15+00.00 TO STA 16+00.00	3.1	2.3	73.6	-71.3	71.3	0.0
STA 16+00.00 TO STA 17+00.00	0.0	0.0	59.9	-59.9	59.9	0.0
STA 17+00.00 TO STA 17+82.18	8.0	6.0	16.9	-10.9	10.9	0.0
TOTAL	24.6	18.5	743.0	-724.6	724.6	50.0
USE	25	20	745	725	725	50

• - DENOTES PAY ITEM

NOTES:

- COLUMN "A" HAS BEEN ESTIMATED FROM CROSS SECTION END AREAS.
- COLUMN "B" IS A 25% SHRINKAGE FACTOR APPLIED TO THE ORIGINAL EARTH EXCAVATION.
- COLUMN "C" HAS BEEN ESTIMATED FROM CROSS SECTION END AREAS.
- COLUMN "D" IS COLUMN "B" MINUS COLUMN "C". "+" REQUIRES WASTE FROM SITE. "-" REQUIRES FURNISHED MATERIAL.
- COLUMN "E" IS THE ESTIMATED AMOUNT OF MATERIAL THAT SHALL BE FURNISHED BY THE CONTRACTOR.
- COLUMN "F" IS THE ESTIMATED AMOUNT OF MATERIAL THAT MAY BE EXCAVATED FROM THE STREAM.

CULVERT AND STORM SEWER SCHEDULE

LOCATION	TYPE	PIPE CULVERT REMOVAL	STORM SEWER, RUBBER GASKET, CLASS A			RESTRICTED DEPTH MANHOLES, 5' DIAMETER		INLETS, TYPE B, TYPE 8 GRATE	REMOVING MANHOLES	TRENCH BACKFILL	REINFORCED CONCRETE PIPE TEE, 18" PIPE WITH 12" RISER
			TYPE 1, 36"	TYPE 2, 12"	TYPE 2, 18"	TYPE 1 FRAME, OPEN LID	TYPE 8 GRATE				
		FOOT	FOOT	FOOT	FOOT	EACH	EACH	EACH	EACH	CU YD	EACH
ITEP SHARED-USE FACILITY											
STA 11+23.66	LT 20.28'	TO STA 12+23.57	LT 8.64'	RCP	99.44						
STA 13+60.37	LT 5.96'	TO STA 13+75.32	LT 6.95'	RCP	14.98						
STA 11+23.70	LT 19.30'	TO STA 12+10.00	LT 13.27'			85.42					
STA 12+10.00	LT 13.27'	TO STA 13+27.13	LT 10.70'			117.93					
STA 13+74.97	LT 11.95'	TO STA 13+75.32	LT 6.95'								
STA 13+75.32	LT 6.95'	TO STA 13+52.98	LT 5.44'								
STA 11+23.70	LT 19.30'										
STA 12+10.00	LT 13.27'						1				
STA 13+74.97	LT 11.95'							1			
STA 13+75.32	LT 6.95'									1	
STA 11+23.67	LT 20.29'								1		
STA 13+55.95	LT 5.64'	TO STA 13+75.32	LT 6.95'							24.30	
STA 13+75.11	LT 9.96'	TO STA 13+75.32	LT 6.95'							5.90	
TOTAL					114.42	203.35	5.01	16.39	1	1	1
USE					115	204	6	17	1	1	1

DITCH SCHEDULE

LOCATION	DITCH ELEVATION
FEET	
ITEP SHARED-USE FACILITY	
TRAPEZOIDAL DITCH WITH 2' BTM	
STA 11+25.00 20.29' LT	441.79
STA 11+50.00 11.97' LT	441.50
STA 11+75.00 13.58' LT	441.33
STA 12+00.00 14.52' LT	441.03
STA 12+10.00 13.27' LT	440.94
TRAPEZOIDAL DITCH WITH 2' BTM	
STA 13+40.00 11.08' LT	442.74
STA 13+25.00 10.38' LT	442.59
STA 13+00.00 10.83' LT	441.86
STA 12+75.00 10.93' LT	441.68
STA 12+50.00 11.94' LT	441.42
STA 12+25.00 13.57' LT	441.12
STA 12+10.00 13.27' LT	440.94
TRAPEZOIDAL DITCH WITH 2' BTM	
STA 13+50.00 11.55' LT	442.42
STA 13+74.98 12.45' LT	441.62
TRAPEZOIDAL DITCH WITH 2' BTM	
STA 15+75.00 16.82' LT	443.36
STA 15+50.00 16.18' LT	443.12
STA 15+25.00 14.47' LT	443.00
STA 15+00.00 12.80' LT	442.87
STA 14+75.00 12.99' LT	442.62
STA 14+50.00 11.15' LT	442.37
STA 14+25.00 9.69' LT	442.09
STA 14+00.00 10.77' LT	441.88
STA 13+74.98 12.45' LT	441.62

PAVING SCHEDULE

LOCATION	COMBINATION CURB AND GUTTER REMOVAL	COMBINATION CONCRETE CURB AND GUTTER, TYPE B-6.24	GUTTER REMOVAL	CONCRETE GUTTER	DETECTABLE WARNINGS	PAINT PAVEMENT MARKING, LINE 12"	PORTLAND CEMENT CONCRETE SIDEWALK 5 INCH	PROTECTIVE COAT
ITEP SHARED-USE FACILITY								
RT 10+77.77	8.00'	TO LT 10+75.55	8.00'					
RT 11+08.13	8.00'	TO LT 11+08.58	8.00'		16.18	16.18		9.67
LT 11+11.80	17.43'	TO LT 11+22.26	19.47'		16.19	16.19		
LT 17+88.01	13.00'	TO RT 17+68.52	13.00'	33.46	10.66	10.66		11.17
STA 10+71.37	TO STA 12+00.00						785.28	87.25
STA 12+00.00	TO STA 13+00.00						800.00	88.89
STA 13+00.00	TO STA 14+00.00						985.76	109.53
STA 14+00.00	TO STA 15+00.00						800.00	88.89
STA 15+00.00	TO STA 16+00.00						800.00	88.89
STA 16+00.00	TO STA 17+00.00						800.00	88.89
STA 17+00.00	TO STA 17+82.18						649.56	72.17
RT STA 10+73.23						4.0		
LT STA 11+10.99						4.0		
RT STA 17+76.32						4.0		
LT STA 10+78.43	TO STA 11+05.92					27.5		
RT STA 10+79.39	TO STA 11+05.67					26.3		
STA 10+75.13						15.00		
STA 11+09.04						15.00		
STA 17+77.42						15.00		
TOTAL	33.46	33.46	43.03	43.03	45.00	65.8	5,620.60	645.35
USE	33.5	33.5	43.5	43.5	45	66	5,621	646

EXTRA BARS FOR TEST SAMPLES

BAR	NO.	SIZE	LENGTH	SHAPE
+ (E)	1	#4	7'-5"	—
v ₃ (E)	1	#5	8'-3"	—
n (E)	1	#6	5'-7"	—
a ₁ (E)	1	#7	12'-0"	—
h ₁₁ (E)	1	#8	25'-0"	—
TOTAL WEIGHT				120 lb.

NOTES:






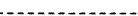


THESE BARS SHALL BE IDENTICAL TO AND DELIVERED WITH THE BARS OF THE SAME MARK LISTED IN THE STRUCTURE SHEETS. ONE BAR OF EACH OF THESE MARKS WILL BE SELECTED BY THE ENGINEER TO BE USED AS A TEST SAMPLE.

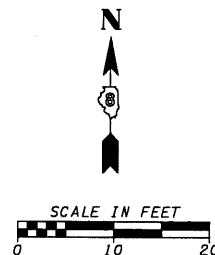
THIS CHART ASSUMES THAT ALL BARS OF THE SAME SIZE ON THE JOB WILL HAVE THE SAME HEAT NUMBER. IF BARS OF THE SAME SIZE ON THE JOB HAVE DIFFERENT HEAT NUMBERS, THEN THE CONTRACTOR SHALL SUPPLY ADDITIONAL BARS FROM OTHER HEAT NUMBERS FOR SAMPLING BY THE ENGINEER AT NO ADDITIONAL COST.

PROPERTY OWNER:
JAMES A. NORRENBERNS AND SUSAN A. NORRENBERNS

PROP. CURVEPSW_C2
PI STA. =12+67.97
Δ =5° 16' 17" (RT)
D =10° 25' 03"
R =550.00'
T =25.32'
L =50.60'
E =0.58'
P.C. STA =12+42.65
P.T. STA =12+93.25

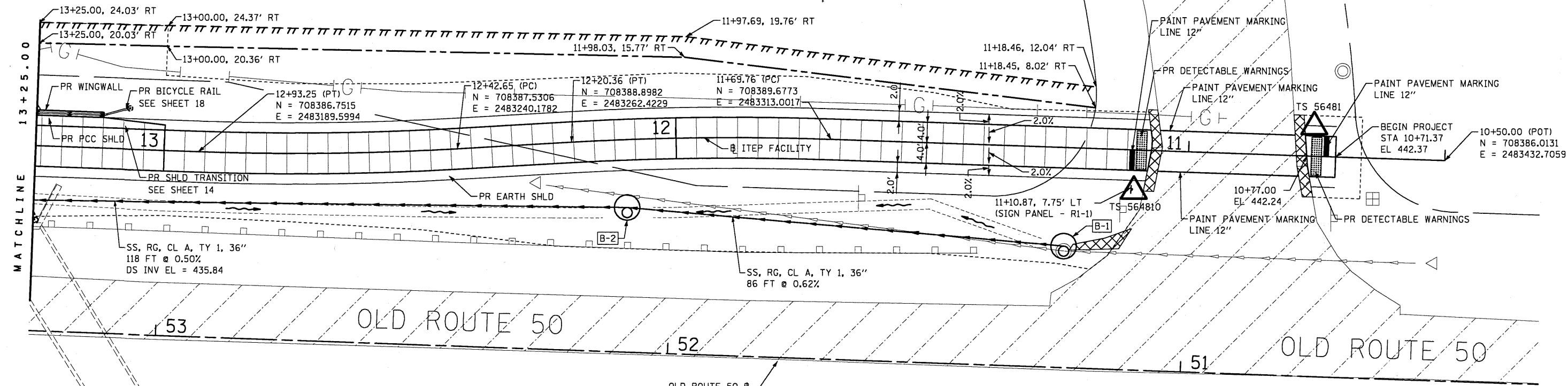
PROP. CURVEPSW_C1
PI STA. =11+95.08
Δ =5° 16' 17" (LT)
D =10° 25' 03"
R =550.00'
T =25.32'
L =50.60'
E =0.58'
P.C. STA =11+69.76
P.T. STA =12+20.36

-  CONC GUTTER REM & REP
-  EX PCC OR HMA PAVEMENT
-  PR TEMP CONST EASEMENT
-  PR ROW
-  EX ROW
-  APPROX CONST LIMITS
-  TRANSVERSE CONTRACTION JOINT
-  TRANSVERSE EXPANSION JOINT

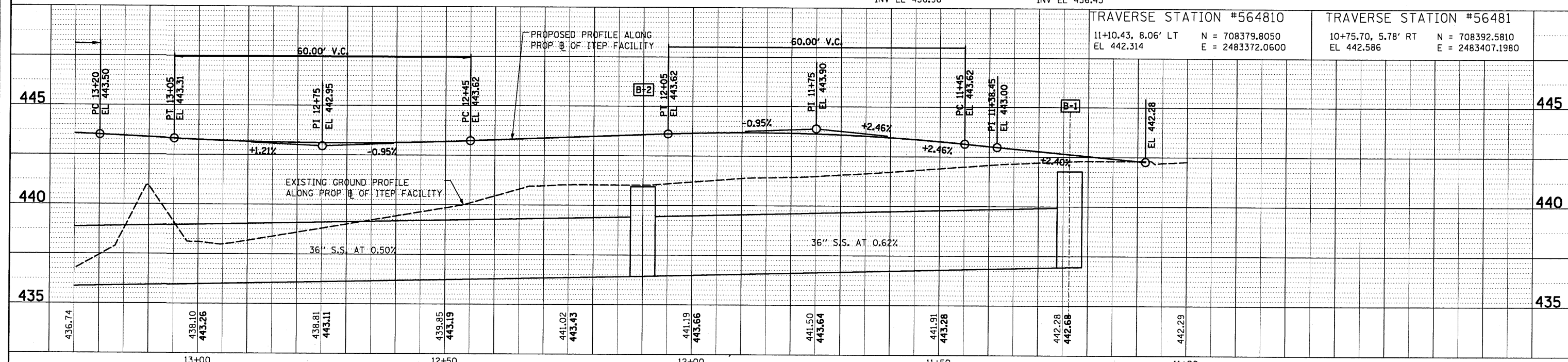


DATE	
BY	
PLAN	
SURVEYED	
PLOTTED	
CHECKED	
DATE	
BY	
NO.	

DATE	
BY	
PROFILE	
SURVEYED	
PLOTTED	
CHECKED	
DATE	
BY	
NO.	



- B-1**
11+23.70, 19.30' LT
RESTRICTED DEPTH MH
5' DIA W/ TY 1 FR, OPEN LID
TOP EL 441.79
INV EL 436.96
- B-2**
12+10.00, 13.27' LT
RESTRICTED DEPTH MH
5' DIA W/ TY 8 GR
TOP EL 440.94
INV EL 436.43



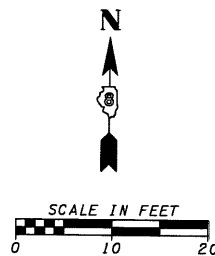
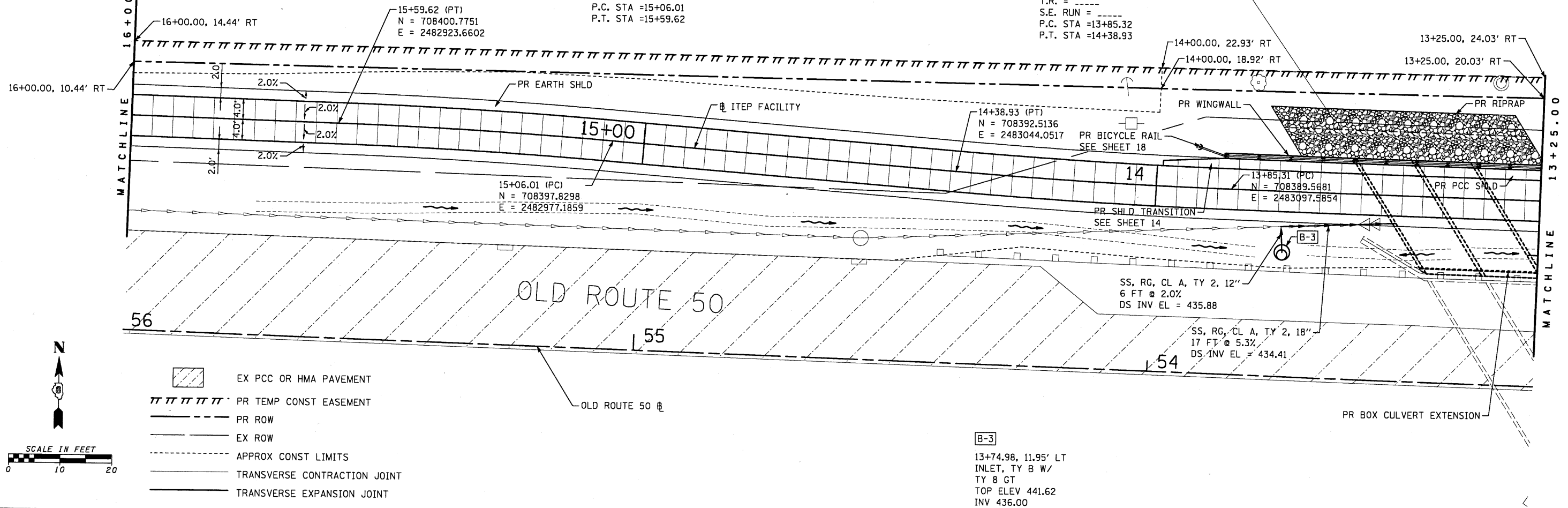
FILE NAME =	USER NAME = *USER*	DESIGNED - KJS	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	BREESE ITEP SHARED-USE FACILITY PLAN AND PROFILE	F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	
#FILE#		DRAWN - KOJ	REVISED -					06-00016-00-BT	CLINTON	25	7
PLOT SCALE = *SCALE*		CHECKED - SAR	REVISED -			SCALE: 1" = 10'	SHEET NO. 1 OF 3 SHEETS	STA. 11+07.23	TO STA. 13+25.00		CONTRACT NO. 97416
PLOT DATE = 1/12/2010		DATE - 1/11/2010	REVISED -					FED. ROAD DIST. NO.	ILLINOIS FED. AID PROJECT		

PROPERTY OWNER:
EVELYN J. SCHNEIDEWIND REVOCABLE TRUST

PROP. CURVEPSW_C4
PI STA. =15+32.82
 $\Delta = 2^\circ 47' 33''$ (LT)
D = 5' 12' 31"
R = 1,100.00'
T = 26.81'
L = 53.61'
E = -0.33'
e = -----
T.R. = -----
S.E. RUN = -----
P.C. STA = 15+06.01
P.T. STA = 15+59.62

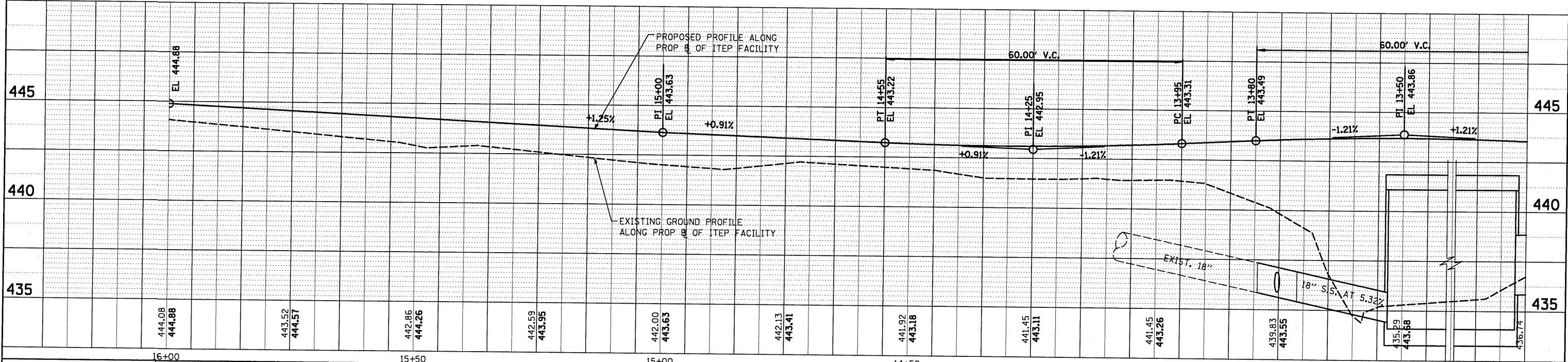
PROP. CURVEPSW_C3
PI STA. =14+12.13
 $\Delta = 2^\circ 47' 33''$ (RT)
D = 5' 12' 31"
R = 1,100.00'
T = 26.81'
L = 53.61'
E = -0.33'
e = -----
T.R. = -----
S.E. RUN = -----
P.C. STA = 13+85.32
P.T. STA = 14+38.93

PROPERTY OWNER:
JAMES A. NORRENBERNS AND
SUSAN A. NORRENBERNS



- EX PCC OR HMA PAVEMENT
- PR TEMP CONST EASEMENT
- PR ROW
- EX ROW
- APPROX CONST LIMITS
- TRANSVERSE CONTRACTION JOINT
- TRANSVERSE EXPANSION JOINT

B-3
13+74.98, 11.95' LT
INLET, TY B W/
TY 8 GT
TOP ELEV 441.62
INV 436.00



FILE NAME =	USER NAME = #USER#	DESIGNED - KJS	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	BREESE ITEP SHARED-USE FACILITY PLAN AND PROFILE	F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
#FILE#		DRAWN - KOJ	REVISED -			06-00016-00-BT	CLINTON	25	8	
PLOT SCALE = #SCALE#		CHECKED - SAR	REVISED -			CONTRACT NO. 97416				
PLOT DATE = 1/12/2010		DATE - 1/11/2010	REVISED -			ILLINOIS FED. AID PROJECT				

SCALE: 1" = 10' SHEET NO. 2 OF 3 SHEETS STA. 13+25.00 TO STA. 16+00.00

PLAN	DATE
SURVEYED	BY
ALIGNED	BY
CHECKED	BY
RT. OF WAY	BY
CHECKED	BY
NO.	NO.
NO.	NO.
NO.	NO.

PROFILE	DATE
SURVEYED	BY
PLOTTED	BY
GRADES CHECKED	BY
STRUCTURE NOTATIONS CHECKED	BY
NO.	NO.
NO.	NO.
NO.	NO.

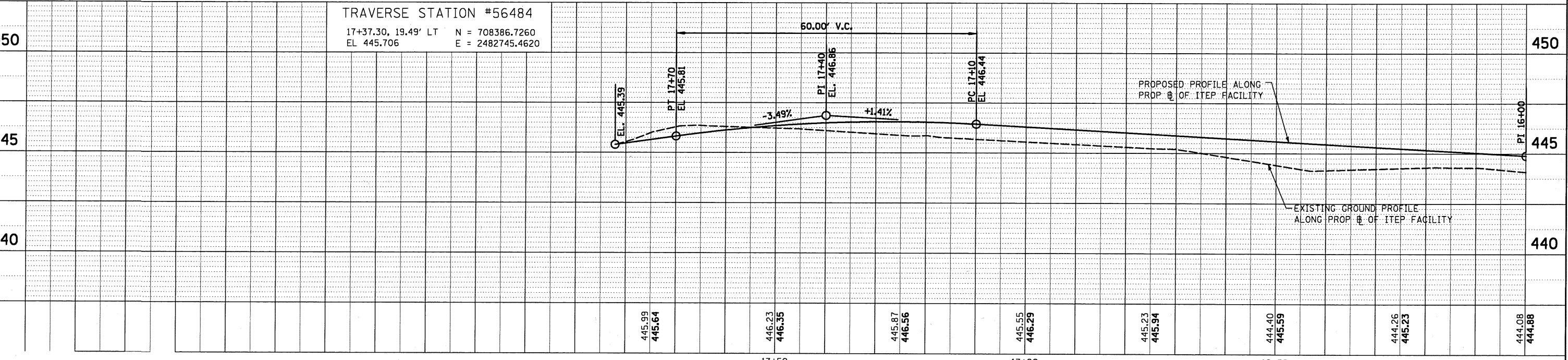
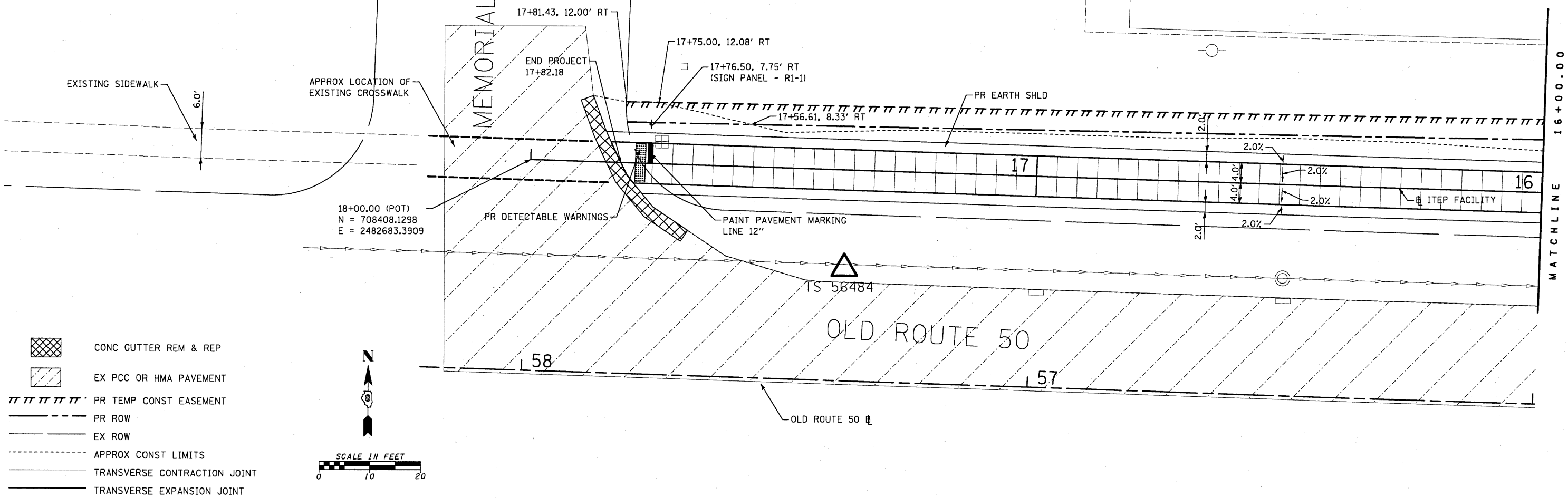
NOTES

1. DURING IMPROVEMENTS TO U.S. ROUTE 50, THE END OF THE EXISTING SIDEWALK WAS MOVED WEST TO ACCOMMODATE VEHICULAR TURNING MOVEMENTS FROM MEMORIAL DRIVE. HOWEVER, THE ALIGNMENT OF THE SIDEWALK WAS UNCHANGED.

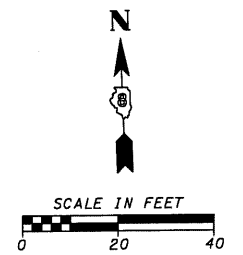
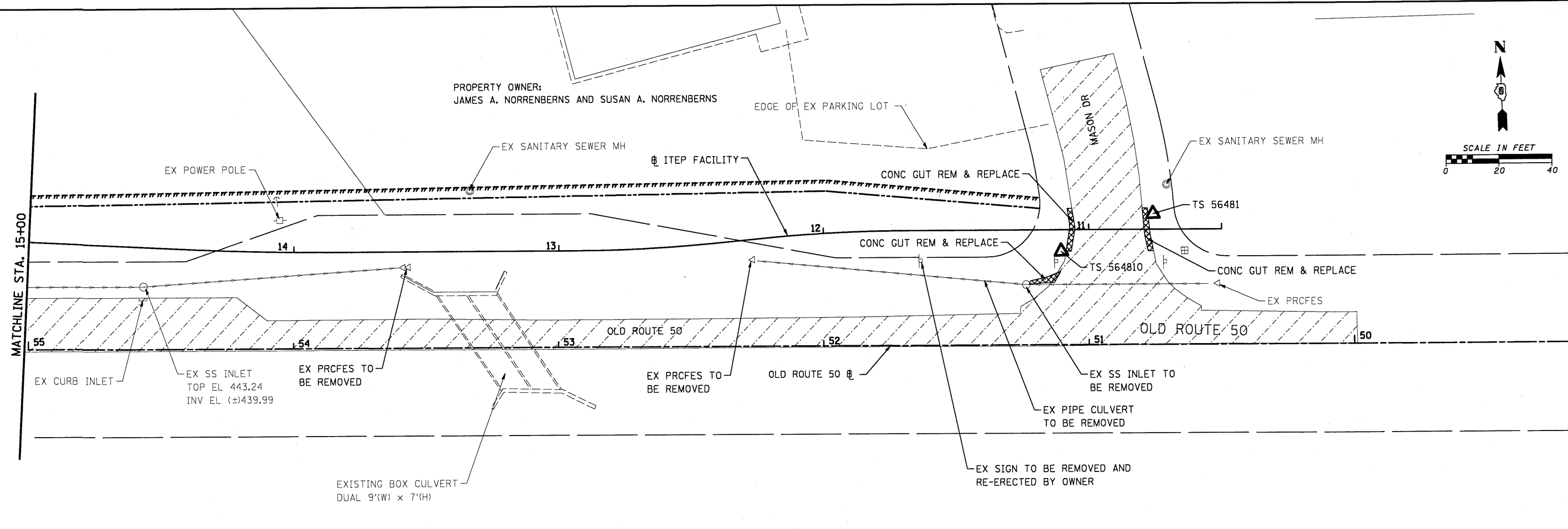
PROPERTY OWNER:
EVELYN J. SCHNEIDEWIND REVOCABLE TRUST

PLAN	SURVEYED	BY	DATE
	PLOTTED		
	ALIGNED		
	CHECKED		
	NO. _____		
	CADD FILE NAME		

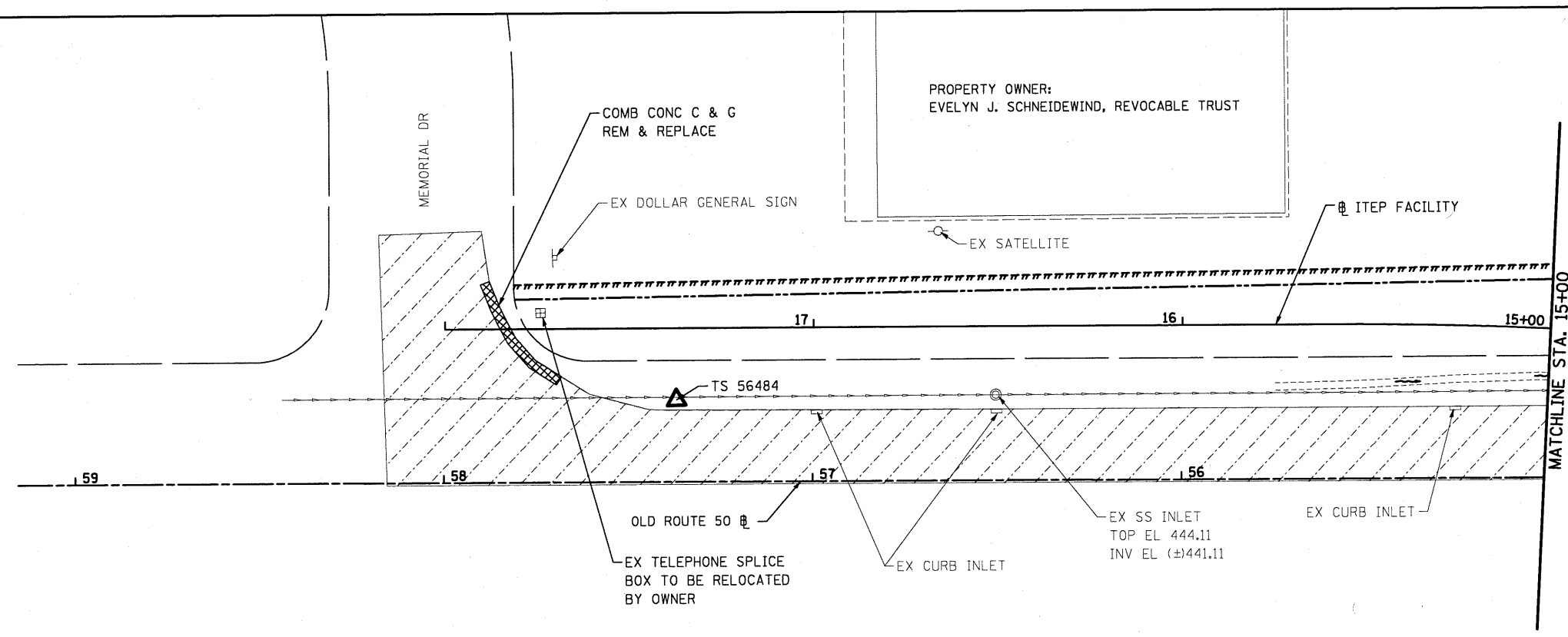
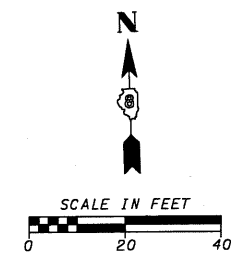
PROFILE	SURVEYED	BY	DATE
	PLOTTED		
	ALIGNED		
	CHECKED		
	NO. _____		
	STRUCTURE NOTATIONS		



FILE NAME =	USER NAME = #USER#	DESIGNED - KJS	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	BREESE ITEP SHARED-USE FACILITY PLAN AND PROFILE	F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
#FILEL#		DRAWN - KOJ	REVISED -			06-00016-00-BT	CLINTON	25	9	
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PLOT DATE = #DATE#		DATE - 1/11/2010	REVISED -			FED. ROAD DIST. NO. [ILLINOIS] FED. AID PROJECT				



- LEGEND**
- PR ROW
 - PR TEMP CONSTRUCTION EASMENT
 - EX ROW
 - ▨ EX PCC OR HMA
 - PRCFES PRECAST REINFORCED CONCRETE FLARED END SECTION



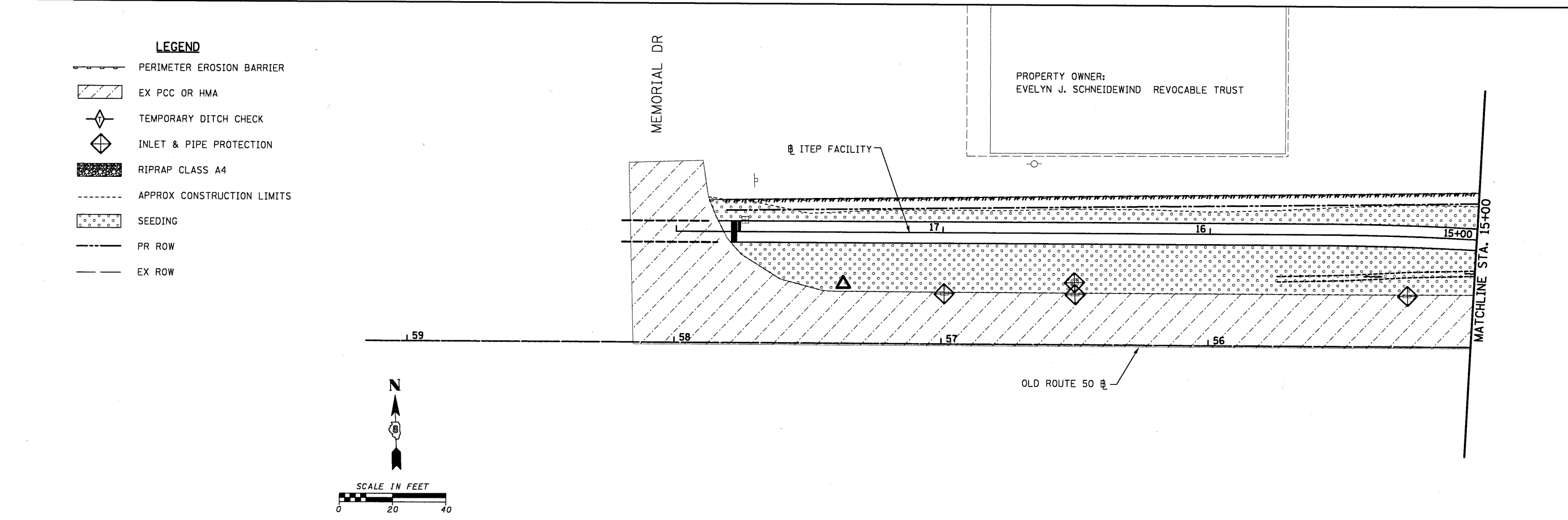
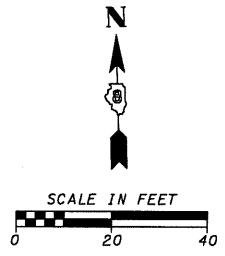
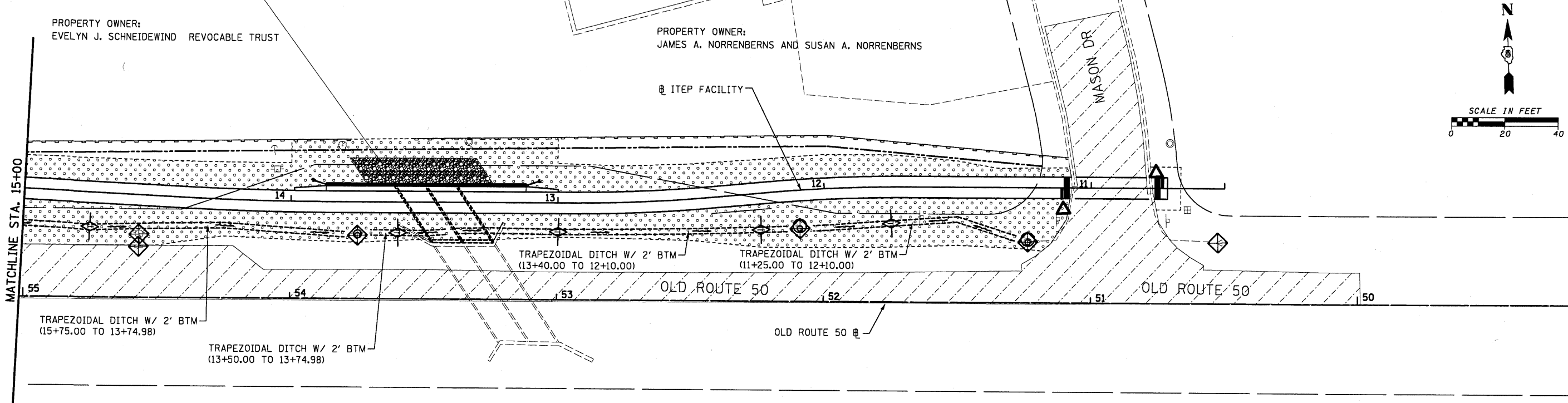
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#FILE#		DRAWN - KOJ	REVISED -
	PLOT SCALE = #SCALE#	CHECKED - SAR	REVISED -
	PLOT DATE = 1/12/2010	DATE - 1/11/2010	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

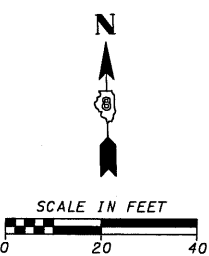
**BREESE ITEP SHARED-USE FACILITY
EXISTING TOPOGRAPHY AND REMOVALS**

SCALE: 1"=20' SHEET NO. 1 OF 1 SHEETS STA. 11+07.23 TO STA. 17+82.18

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	06-00016-00-BT	CLINTON	25	10
CONTRACT NO. 97416				
ILLINOIS FED. AID PROJECT				



- LEGEND**
- PERIMETER EROSION BARRIER
 - EX PCC OR HMA
 - TEMPORARY DITCH CHECK
 - INLET & PIPE PROTECTION
 - RIPRAP CLASS A4
 - APPROX CONSTRUCTION LIMITS
 - SEEDING
 - PR ROW
 - EX ROW



FILE NAME =	USER NAME = #USER#	DESIGNED - KJS	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	BREESE ITEP SHARED-USE FACILITY EROSION CONTROL PLAN	F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	
#FILEL#		DRAWN - KOJ	REVISED -				06-00016-00-BT	CLINTON	25	11	
		CHECKED - SAR	REVISED -			CONTRACT NO. 97416					
		DATE - 1/11/2010	REVISED -			ILLINOIS FED. AID PROJECT					
				SCALE: 1" = 20'		SHEET NO. 1 OF 1 SHEETS		STA. 11+07.23 TO STA. 17+82.18			

LEGEND FOR EXISTING TOPOGRAPHIC SYMBOLS

TELEPHONE SPLICE BOX ABOVE GROUND	⊠
UTILITY POWER POLE	⊕
UTILITY MANHOLE	⊙
UTILITY GUY POLE	⊙
PIPELINE WARNING SIGN	⊙
CULVERT END SECTION	⊙
DRAINAGE MANHOLE	⊙
INLET	⊙
DECIDUOUS TREE	⊙
TRAFFIC SIGN	⊙
GUARDRAIL POST	⊙
GUARDRAIL PATTERN	⊙
ADVERTISING SIGN	⊙
EXISTING CREEK OR DITCH	⊙
EXISTING EDGE OF PAVEMENT	⊙

RIGHT OF WAY LEGEND

	SECTION CORNERS
	QUARTER SECTION CORNERS
	EXISTING RIGHT OF WAY LINE
	EXISTING EASEMENT LINE
	PROPOSED CENTERLINE
	PROPOSED RIGHT OF WAY LINE
	PROPOSED TEMPORARY EASEMENT LINE
	SECTION LINE
	PROPERTY LINE
	MEASURED DIMENSION
	RECORDED DIMENSION
	FOUND IRON PIPE OR IRON ROD AT
	PERMANENT SURVEY MONUMENT, I.D.O.T. STD. 667101 (TO BE SET BY OTHERS)
	EXISTING BUILDING

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

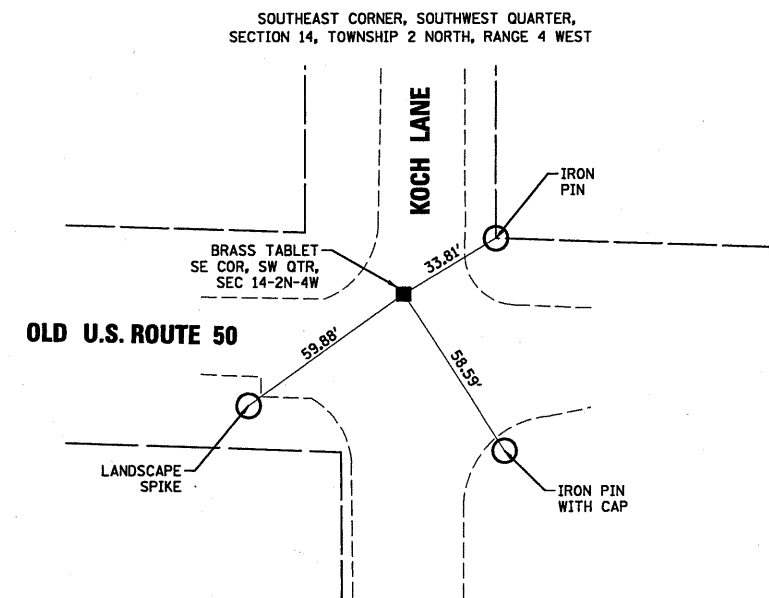
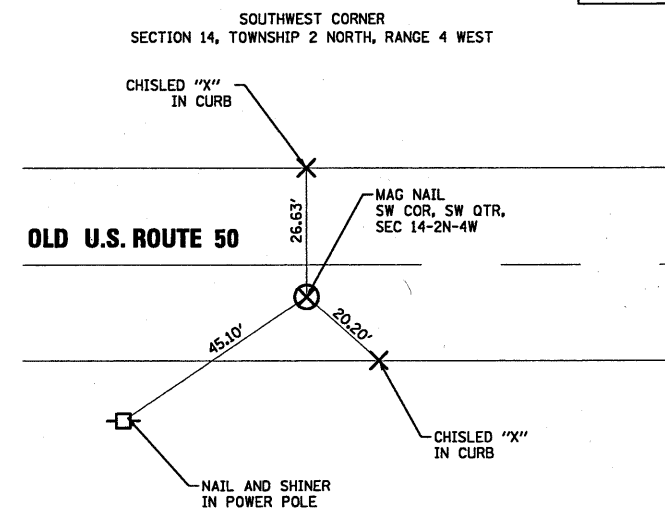
PROPOSED PARCEL NUMBER LEGEND

8001001	PROPOSED FEE SIMPLE ACQUISITION
8001001E	PROPOSED TEMPORARY EASEMENT

LEGEND FOR ABBREVIATIONS

AC	ACRE
BK	BOOK
C	CENTERLINE
DB	DEED BOOK
E	EAST
EX	EXISTING
FAS	FEDERAL AID SECONDARY
FND	FOUND
IP	IRON PIPE
IR	IRON ROD
LT	LEFT
MRB	MONUMENT RECORD BOOK
N	NORTH
N & BC	NAIL AND BOTTLE CAP
N & C	NAIL AND CAP
N & W	NAIL AND WASHER
NE	NORTHEAST
NW	NORTHWEST
PB	PLAT BOOK
PG	PAGE
POB	POINT OF BEGINNING
POC	POINT OF COMMENCEMENT
P	PROPERTY LINE
PR	PROPOSED
REC	RECORDED
ROW	RIGHT OF WAY
RT	RIGHT
RTE	ROUTE
S	SOUTH
SE	SOUTHEAST
SO FT	SQUARE FEET
STA	STATION
SMK	SURVEY MARKER
SW	SOUTHWEST
TWP	TOWNSHIP
W	WEST

**RECOVERY TIES
NOT TO SCALE**



BASIS OF COORDINATE & BEARING STATEMENT

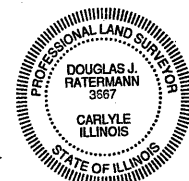
BEARINGS AND COORDINATES SHOWN HEREON ARE BASED ON NAD83 ILLINOIS STATE PLANE.

TOTAL HOLDING AREA SOURCE TABLE

1	AREA ACCORDING TO THE SURVEY PERFORMED BY THE CONSULTANT.
2	AREA LISTED IN RECORDED DEED.
3	AREA ACCORDING TO A RECORDED SUBDIVISION PLAT.
4	AREA ACCORDING TO A PLAT OF SURVEY.
5	AREA CALCULATED FROM RECORDED DEEDS OR TITLE COMMITMENTS - NOT SURVEYED.
6	AREA ACCORDING TO COUNTY TAX MAPS AND COUNTY ASSESSMENT RECORDS.
7	AREA ACCORDING TO OTHER RECORDS, SEE NOTE ON THE PLAT OF HIGHWAYS.

PREPARED BY:

HENRY, MEISENHEIMER & GENDE, INC.
 1075 LAKE ROAD, P.O. BOX 70
 CARLYLE, IL 62231
 (618) 594-3711
 PROF. DESIGN FIRM LIC. NO. 000899



Douglas J. Ratermann 1/14/2010
DOUGLAS J. RATERMANN, PLS NO. 3667
 LICENSE EXPIRES NOV. 30, 2010

ILLINOIS DEPARTMENT OF TRANSPORTATION
PLAT OF HIGHWAYS
 FAS ROUTE 1780 (OLD U.S. ROUTE 50)
 SECTION 06-00016-00-BT
 CLINTON COUNTY
 JOB NO. R-98-004-10

30' 0 30' 60'
 SCALE: 1" = 30' SHEET 2 OF 3

ILLINOIS DEPARTMENT OF TRANSPORTATION DIVISION OF HIGHWAYS/REGION 5/DISTRICT 8 1102 EASTPORT PLAZA DRIVE COLLINSVILLE, ILLINOIS 62234-6198				
F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1780	06-00016-00-BT	CLINTON	25	12
CONTRACT NO. 97416				
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT				

5648/ROW/RIGHTOFWAY-LAND ACQUISITION/ITEP-LEGEND AND NOTES SHEET_5648.DGN

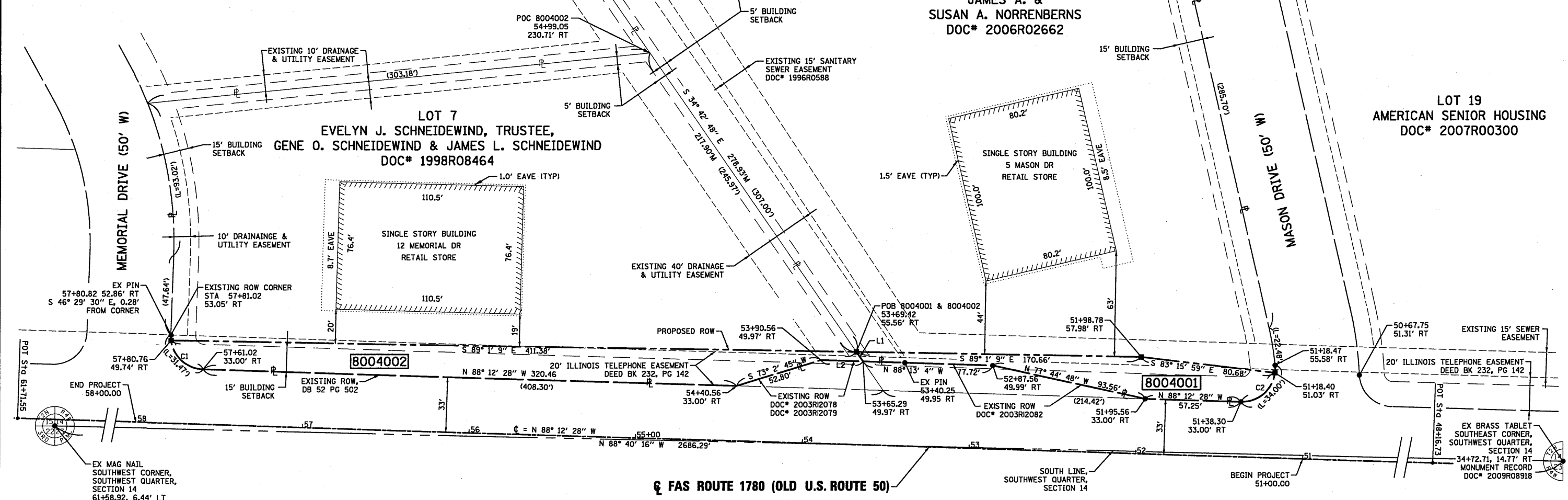
SEE LEGENDS, TOPOGRAPHIC STATEMENT, SURVEYORS NOTE(S) AND BASIS OF COORDINATES & BEARINGS STATEMENT ON SHEET 2

PART OF THE SW 1/4 OF SECTION 14, T. 2 N., R. 4 W., OF THE 3RD P.M., CLINTON COUNTY, ILLINOIS



SPACE RESERVED FOR RECORDING OFFICER

COORDINATE TABLE				
STATION	DESCRIPTION	OFFSET	NORTH	EAST
34+72.71	SE COR, SW QTR, SEC 14	14.77' RT	708308.9260	2485008.2930
48+16.73	POT	0.00' RT	708335.6886	2483664.4593
51+18.40	PROPOSED ROW COR	51.03' RT	708396.1255	2483364.5290
51+18.47	EXISTING ROW COR	55.58' RT	708400.6760	2483364.6020
51+38.30	EXISTING ROW COR	33.00' RT	708378.7292	2483344.0754
51+95.56	EXISTING ROW COR	33.00' RT	708380.5197	2483286.8493
51+98.78	PROPOSED ROW COR	57.98' RT	708405.5851	2483284.4101
52+87.56	EXISTING ROW COR	49.99' RT	708400.3763	2483195.4207
53+40.25	EXISTING PIN	49.95' RT	708401.9880	2483142.7610
53+65.29	EXISTING ROW COR	49.97' RT	708402.7934	2483117.7347
53+69.42	PROPOSED ROW COR	55.56' RT	708408.5065	2483113.7768
53+90.56	EXISTING ROW COR	49.97' RT	708403.5795	2483092.4705
54+40.56	EXISTING ROW COR	33.00' RT	708388.1820	2483041.9633
57+61.02	EXISTING ROW COR	33.00' RT	708398.2039	2482721.6600
57+80.76	PROPOSED ROW COR	49.74' RT	708415.5487	2482702.4610
57+80.82	EXISTING PIN	52.86' RT	708418.6770	2482702.5000
57+81.02	EXISTING ROW COR	53.05' RT	708418.8725	2482702.2968
61+58.92	SW COR, SW QTR, SEC 14	6.44' LT	708371.2300	2482322.7230
61+71.55	POT	0.00' RT	708378.0587	2482310.3052



LINE TABLE		
LINE	BEARING	DISTANCE
L1	S 34° 42' 48" E	6.95'
L2	N 88° 13' 04" W	25.28'

CURVE TABLE				
CURVE	RADIUS	LENGTH	CHORD BEARING	CHORD
C1	20.00'	28.14'	N 47° 54' 17" W	25.87'
C2	20.00'	29.44'	S 49° 37' 5" W	26.85'

5616/ROW/RIGHTOFWAY/LAND ACQUISITION/TEP-PLATS-5616.DGN

PARCEL NO.	OWNER	TOTAL HOLDING ACRES	FEE SIMPLE ACQUISITION				REMAINDER ACRES	PERMANENT TAX NUMBER	PROPERTY ACQUIRED BY		
			GROSS ACRES	SQ. FT.	PREVIOUSLY DEDICATED AND/OR USED ACRES	NET ACRES					
8004002	EVELYN J. SCHNEIDEWIND, TRUSTEE UNDER AGREEMENT DATED JUNE 17, 1992, AND KNOWN AS THE EVELYN J. SCHNEIDEWIND REVOCABLE TRUST, GENE O. SCHNEIDEWIND AND JAMES L. SCHNEIDEWIND, AS TENANTS IN COMMON TITLE REPORT NO 090245301279	1.4780	0.1660	7,229	NA	NA	0.1660	7,229	1.3120	06-06-14-303-018	
8004001	JAMES A. NORRENBERNS and SUSAN A. NORRENBERNS TITLE REPORT NO 090245301280	1.9542	0.0807	3,517	NA	NA	0.0807	3,517	1.8735	06-06-14-303-019	

STATE OF ILLINOIS)
) SS
COUNTY OF CLINTON)

I, DOUGLAS J. RATERMANN, AN ILLINOIS PROFESSIONAL LAND SURVEYOR, STATE THAT I HAVE SURVEYED THE PLAT OF HIGHWAY SHOWN HEREON AND THAT THIS PROFESSIONAL SERVICE CONFORMS TO THE CURRENT ILLINOIS MINIMUM STANDARDS FOR A BOUNDARY SURVEY FOR THE PROPOSED PARCEL(S) TO BE ACQUIRED BY THE STATE OF ILLINOIS, DEPARTMENT OF TRANSPORTATION, SHOWN HEREON.

DATED 1/14/2010
Douglas J. Ratermann
DOUGLAS J. RATERMANN, PLS NO. 3667
LICENSE EXPIRATION DATE: 11/30/2010



HENRY, MEISENHEIMER & GENDE, INC
1075 LAKE ROAD, P.O. BOX 70
CARLYLE, IL 62231
(618) 594-3711
PROF. DESIGN FIRM LIC. NO. 000899

ILLINOIS DEPARTMENT OF TRANSPORTATION
PLAT OF HIGHWAYS
FAS ROUTE 1780 (OLD U.S. ROUTE 50)
SECTION 06-00016-00-BT
CLINTON COUNTY
JOB NO. R-98-004-10
STATION 51+00.00 TO STATION 58+00.00

SCALE: 1" = 30'

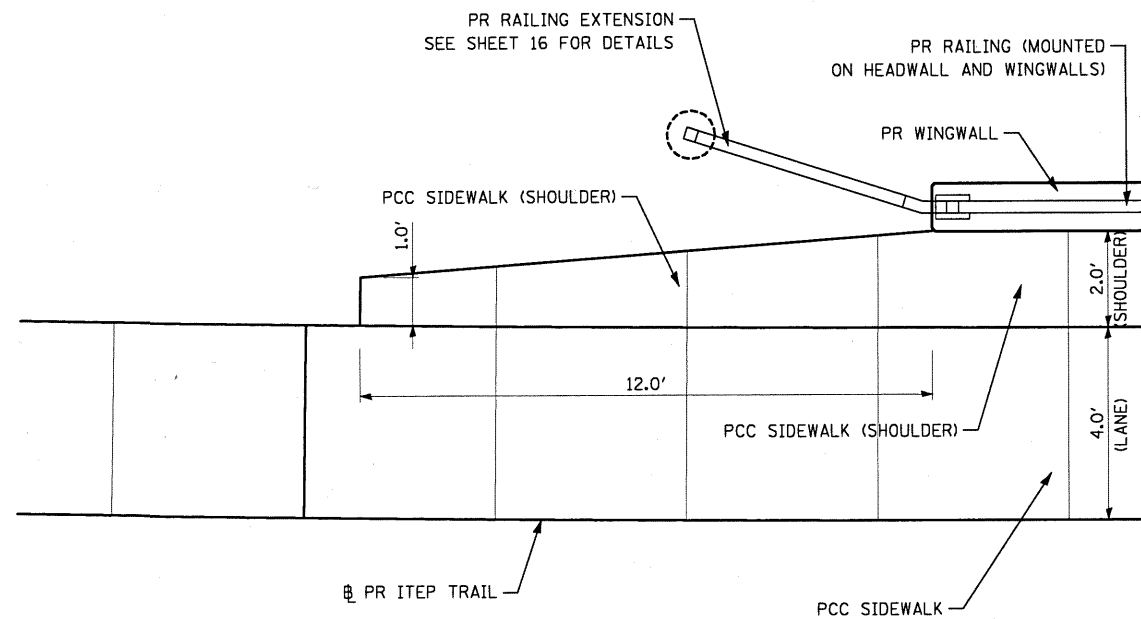
SHEET 3 OF 3

F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1780	06-00016-00-BT	CLINTON	25	13

ILLINOIS DEPARTMENT OF TRANSPORTATION
DIVISION OF HIGHWAYS/REGION 5/DISTRICT 8
1102 EASTPORT PLAZA DRIVE
COLLINSVILLE, ILLINOIS 62234-6198

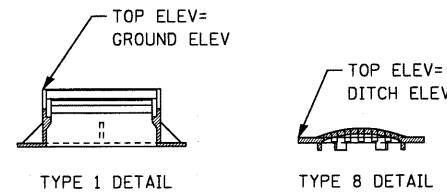
COMPLETION DATE OF FIELD WORK PERFORMED
LAND SURVEY: 09/08/2009 ROW STAKING:

CONTRACT NO. 97416



SHOULDER TRANSITION DETAIL

RT STA 12+99.92 TO STA 13+11.92
RT STA 13+86.80 TO STA 13+98.80



FRAME ELEVATIONS ON ASSOCIATED FRAME AND GRATES

(NOT TO SCALE)

STRUCTURES W/FLAT SLAB TOPS TO BE CONSTRUCTED TO ALLOW 4" ADJUSTING RISER (2" MIN) TO BE INSTALLED BELOW GRATE WHEN THERE IS SUFFICIENT HEIGHT OF STRUCTURE

RISER TO ALLOW TOPSOIL TO BE PLACED ADJACENT TO GRATE

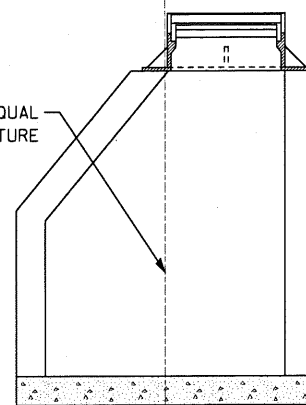
INVERT INLET ELEV=FLOWLINE OF PIPE (GROUT BOTTOM OF INLET TO MATCH FLOWLINE OF PIPE) DESIGN OF MANHOLES AND INLETS SHALL BE BASED ON THIS INVERT REFERENCE AND NOT BOTTOM OF STRUCTURE.

BOTTOM OF STRUCTURE

RESTRICTED DEPTH MANHOLE DETAIL

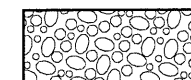
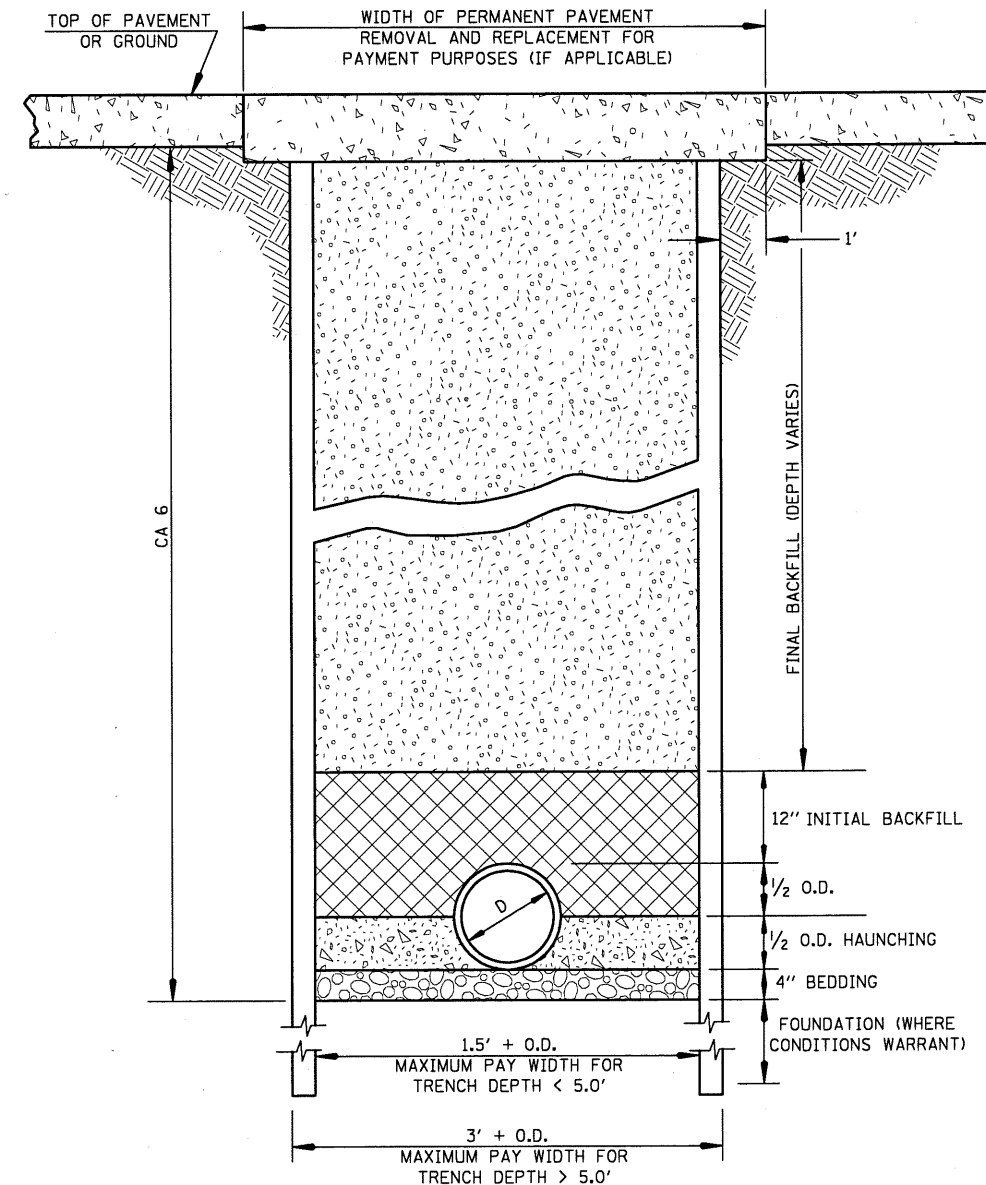
(NOT TO SCALE)

STRUCTURE OFFSET EQUAL TO CENTER OF STRUCTURE



STRUCTURE OFFSET DETAIL

(NOT TO SCALE)



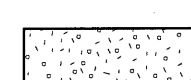
BEDDING
CA 6 REQUIRED IN ALL LOCATIONS. (INCLUDED IN THE COST OF PIPE)



HAUNCHING
CA 6 REQUIRED IN ALL LOCATIONS. (INCLUDED IN THE COST OF PIPE)



INITIAL BACKFILL
CA 6 REQUIRED IN ALL LOCATIONS WHERE THE EDGE OF THE STORM SEWER TRENCH IS LOCATED WITHIN TWO (2) FEET OF A PERMANENT SURFACE.



FINAL BACKFILL
TRENCH BACKFILL (CA 6), REQUIRED IN ALL LOCATIONS WHERE THE EDGE OF THE STORM SEWER TRENCH IS LOCATED WITHIN TWO (2) FEET OF A PERMANENT SURFACE.

TRENCH DETAIL

FILE NAME = #FILEL#	USER NAME = #USER#	DESIGNED - KJS	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	BRESEE ITEP SHARED-USE FACILITY MISCELLANEOUS DETAILS	F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	PLOT SCALE = #SCALE#	CHECKED - SAR	REVISED -			06-00016-00-BT	CLINTON	25	14	
PLOT DATE = 1/12/2010	DATE - 1/11/2010	REVISED -	REVISED -	SCALE: NONE	SHEET NO. 1 OF 1 SHEETS	STA.	TO STA.	CONTRACT NO. 97416 ILLINOIS FED. AID PROJECT		

9901-5648-6.dgn JAN. 5, 2010

BENCHMARK: Iron Rod Found
Sta. 11+95.98, 9.28' Lt.
EL. 441.069

EXISTING STRUCTURE: S.N. 014-2021
Built in 2005 as F.A.S. Rte. 1780 the existing structure consists of a two 9'-0" x 7'-0" cell cast-in-place concrete box culvert. The structure measures 49'-0 5/8" out to out of headwalls and 19'-9" wide.

Existing two-way traffic to be maintained using Highway Standard 701006.

SALVAGE: Existing structure to remain.

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

NOTES:

1. It shall be the responsibility of the Contractor to divert the stream flow during construction in order to maintain flow and keep the construction area free of water. The method of diversion shall be subject to the approval of the Engineer, and the cost shall be included in the unit bid price of "Concrete Box Culverts".
2. Optional use of precast concrete box culvert sections will not be permitted.
3. Reinforcement bars shall conform to the requirements of ASTM A706, Gr. 60 (IL Modified).
4. Layout of riprap may be varied in the field to suit ground conditions as directed by the Engineer.
5. Exposed edges of concrete shall have 3/4" chamfer unless otherwise noted.
6. All construction joints shall be bonded.

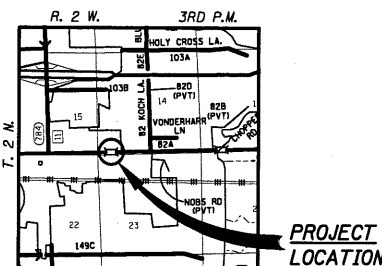
DESIGN SCOUR ELEVATION TABLE

Design Scour Elevation (Feet)	Upstream	Downstream
	430.12	430.95

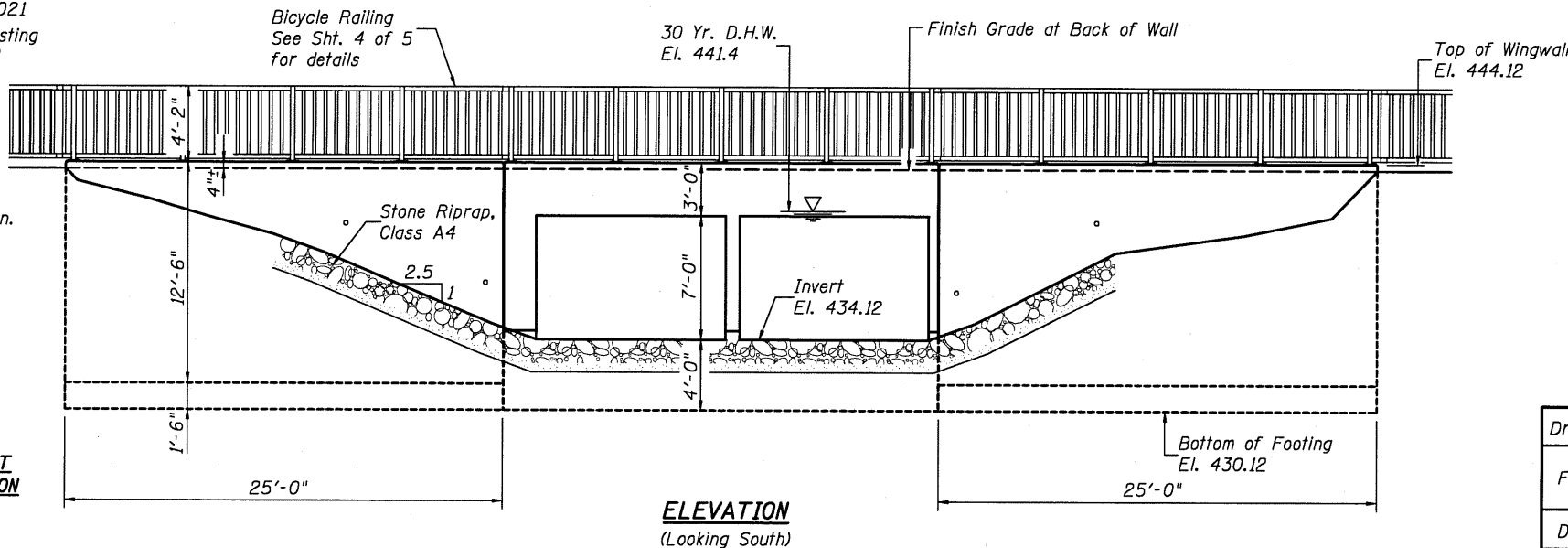
WATERWAY INFORMATION

(Based on original plans)

Drainage Area = 0.958 Sq.Mi. Low Grade El. = 443.05 @ Sta. 48+00									
Flood	Freq. Yr.	Q C.F.S.	Opening Sq. Ft.		Nat. H.W.E.	Head - Ft.		Headwater El.	
			Exist.	Prop.		Exist.	Prop.	Exist.	Prop.
Design	30	614	126	126	441.4	0.2	0.2	441.6	441.6
Base	100	822	126	126	441.8	0.5	0.5	442.3	442.3
Overtopping	270	1013	126	126	442.0	1.1	1.1	443.1	443.1
Max. Calc.	500	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A

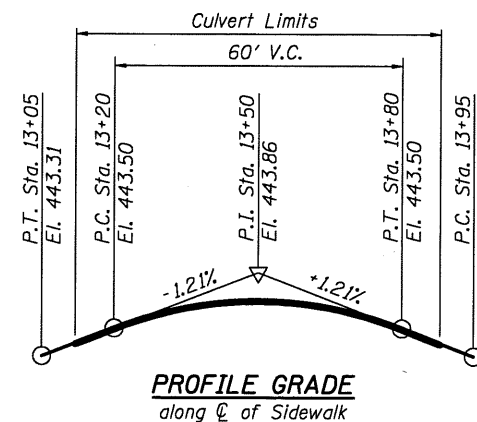
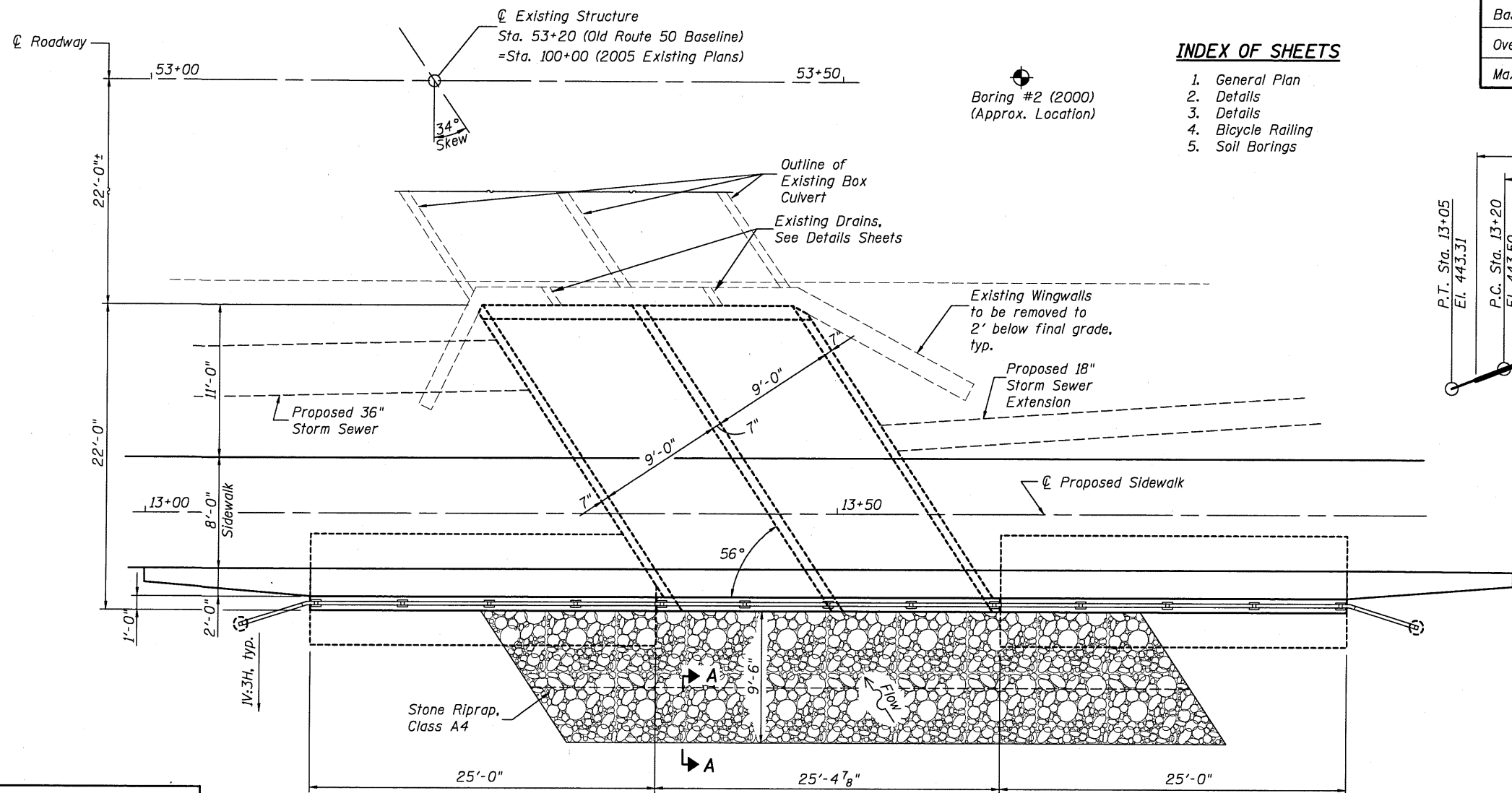


LOCATION SKETCH



INDEX OF SHEETS

1. General Plan
2. Details
3. Details
4. Bicycle Railing
5. Soil Borings



DESIGN SPECIFICATIONS

2002 AASHTO Standard Specifications for Highway Bridges

DESIGN STRESSES

CAST-IN-PLACE CONCRETE

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

LOADING HS20-44

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

TOTAL BILL OF MATERIAL

ITEM	UNIT	QUANTITY
Stone Riprap, Class A4	Sq. Yd.	51
Filter Fabric	Sq. Yd.	51
Reinforcement Bars, Epoxy Coated	Pound	16,840
Bicycle Railing, Special	Foot	86
Expansion Bolts 3/4 inch	Each	38
Concrete Box Culverts	Cu. Yd.	91.9
Channel Excavation	Cu. Yd.	50

**GENERAL PLAN
BOX CULVERT EXTENSION
OLD U.S. RTE. 50
OVER TRIBUTARY TO SHOAL CREEK
STATION 53+20**

DESIGNED	B.G.H.
CHECKED	L.D.G.
DRAWN	K.H.L.
CHECKED	B.G.H.

Bradley G. Hummert Date: 1/6/10
Bradley G. Hummert
Licensed Structural Engineer
in Illinois No. 081-005428

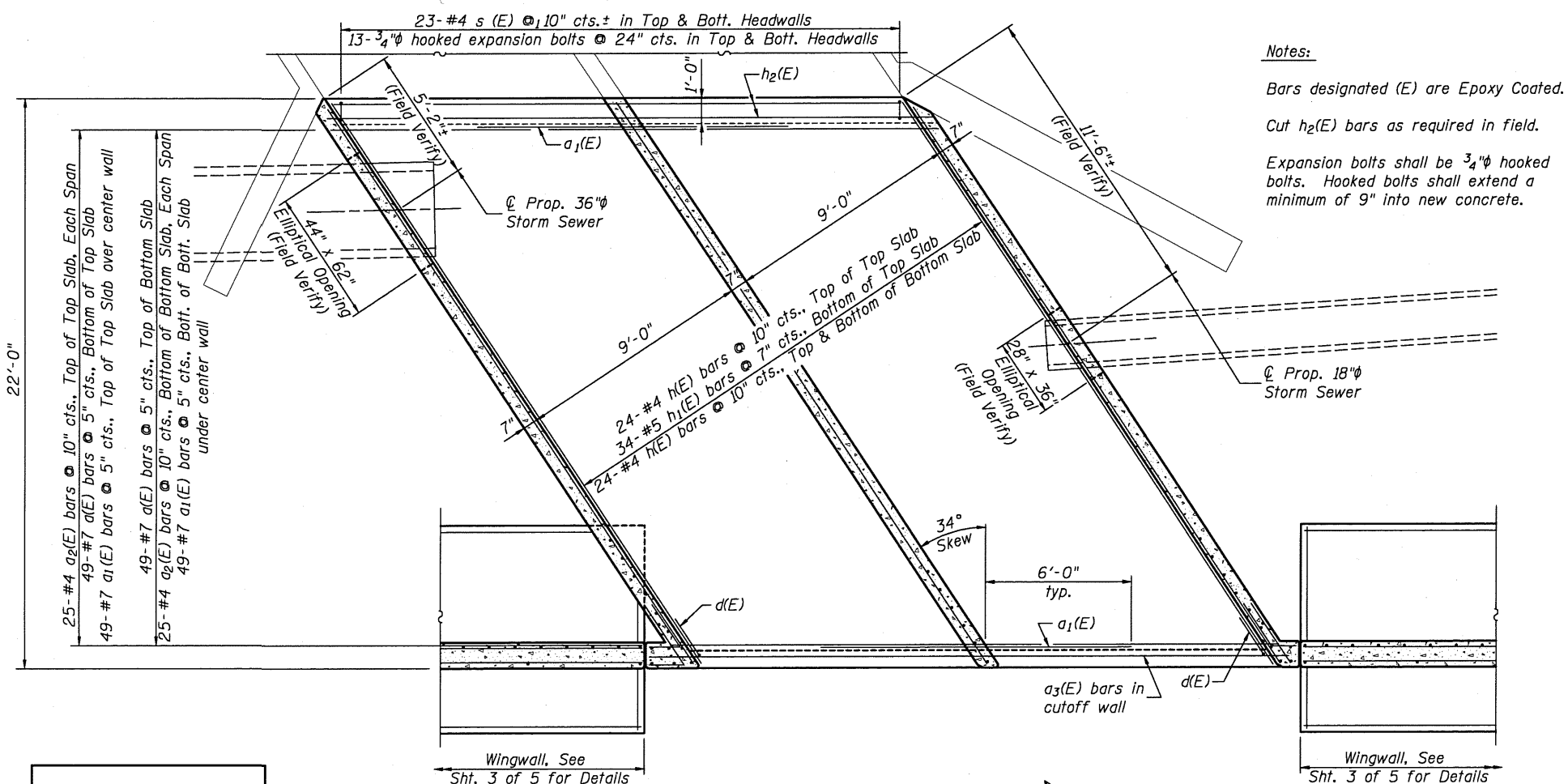
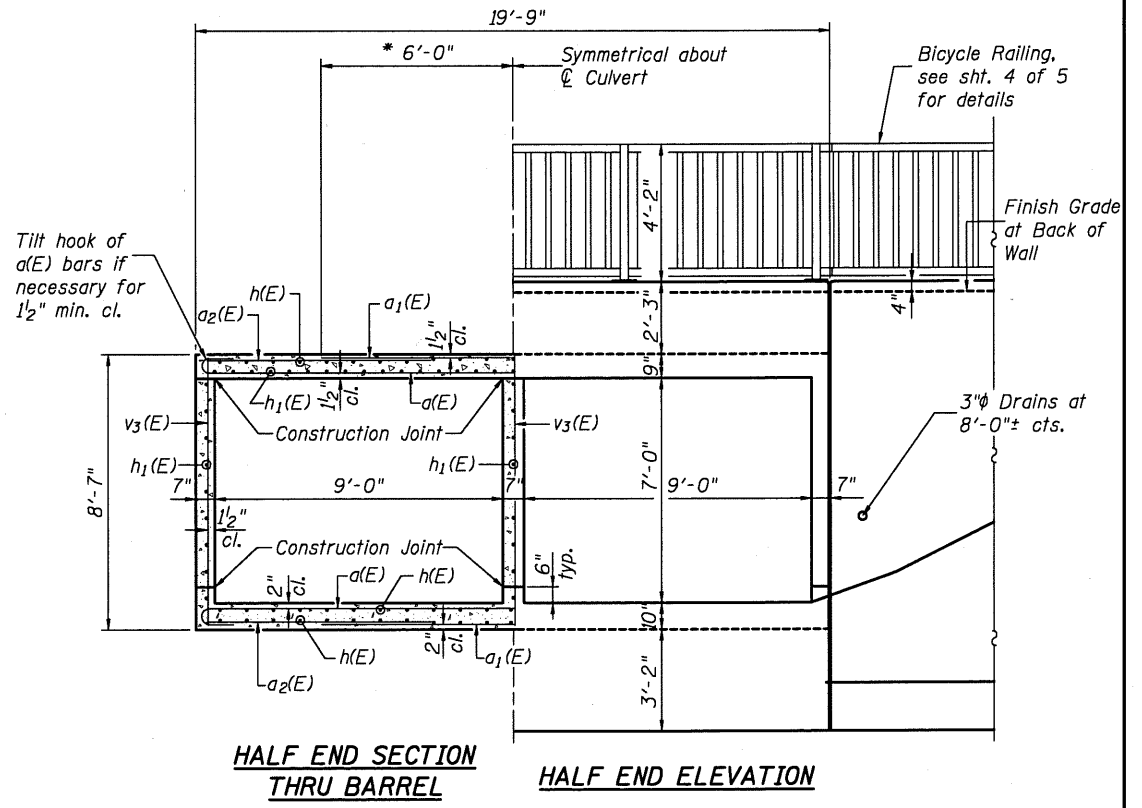
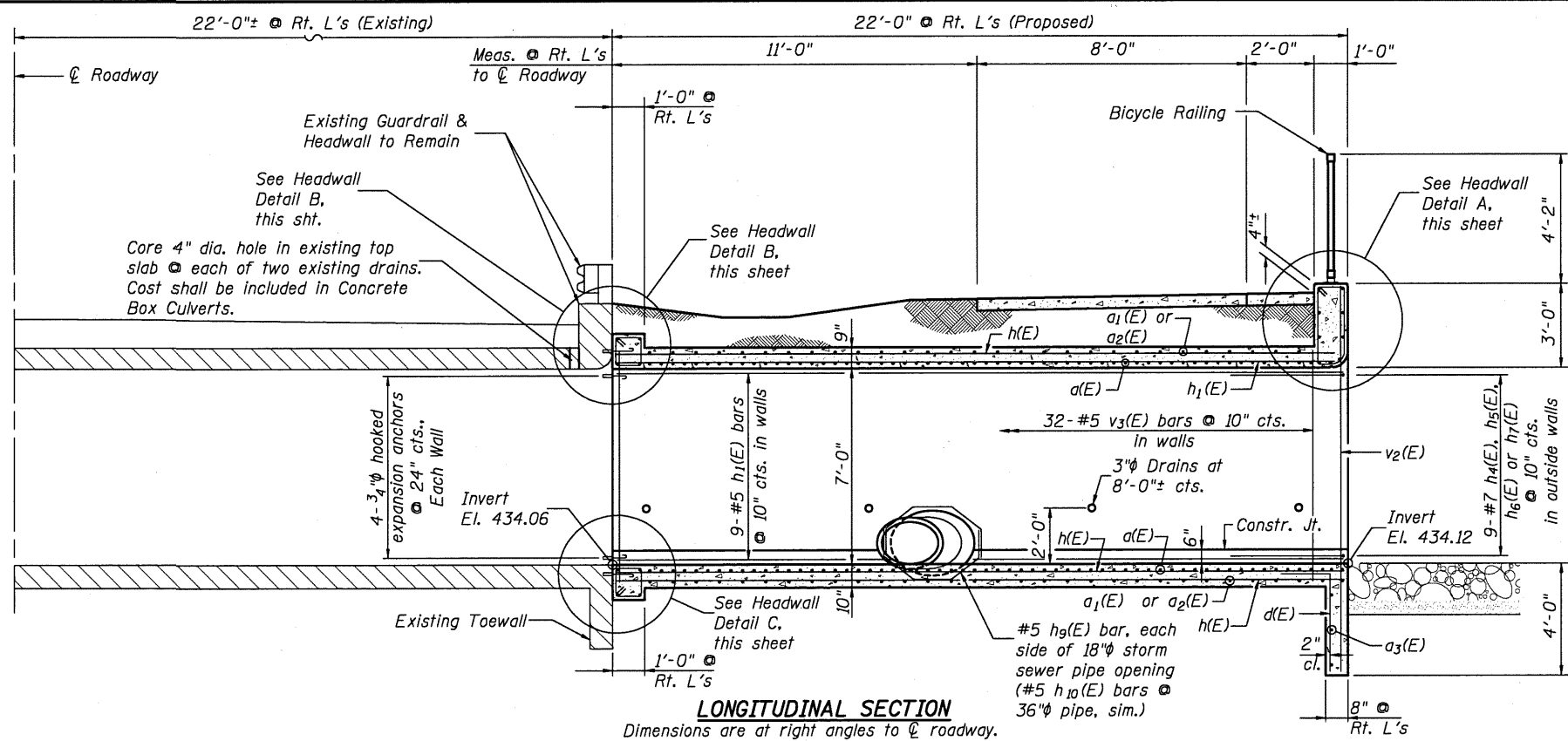


Expires: November 30, 2010



SHEET NO.	F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1	1780	06-00016-00-BT	CLINTON	25	15
5 SHEETS			S.N. 014-2021 CONTRACT NO. 97416		
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT			

02_dets_5648-6.dgn JAN. 5, 2010

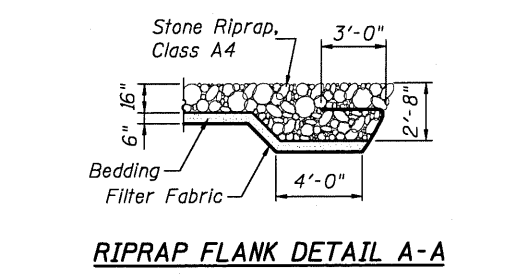
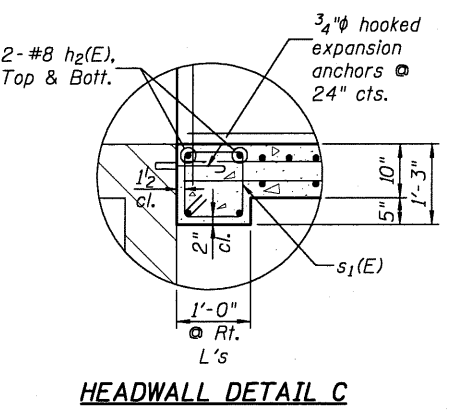
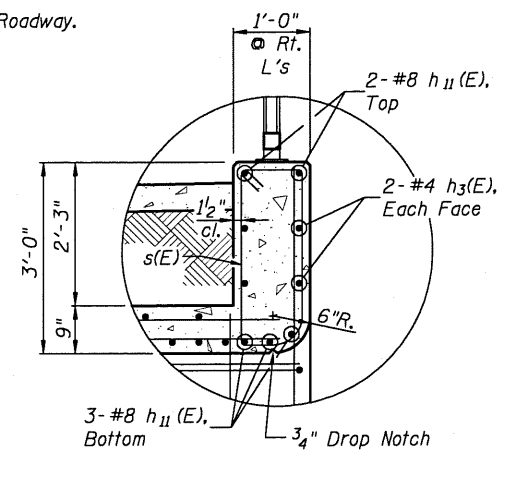
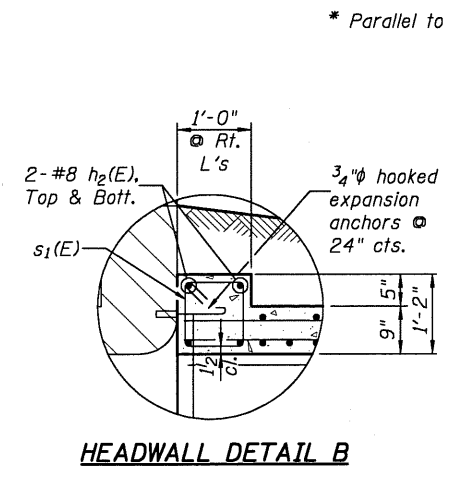


Notes:

Bars designated (E) are Epoxy Coated.

Cut $h_2(E)$ bars as required in field.

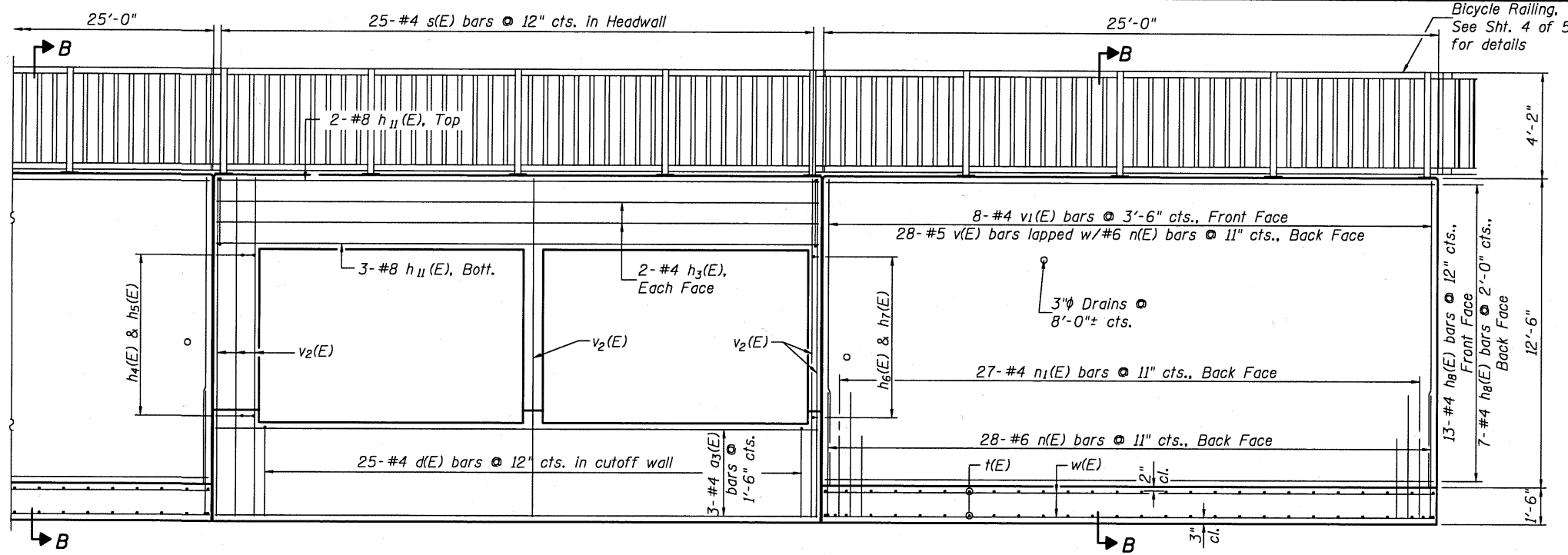
Expansion bolts shall be 3/4" hooked bolts. Hooked bolts shall extend a minimum of 9" into new concrete.



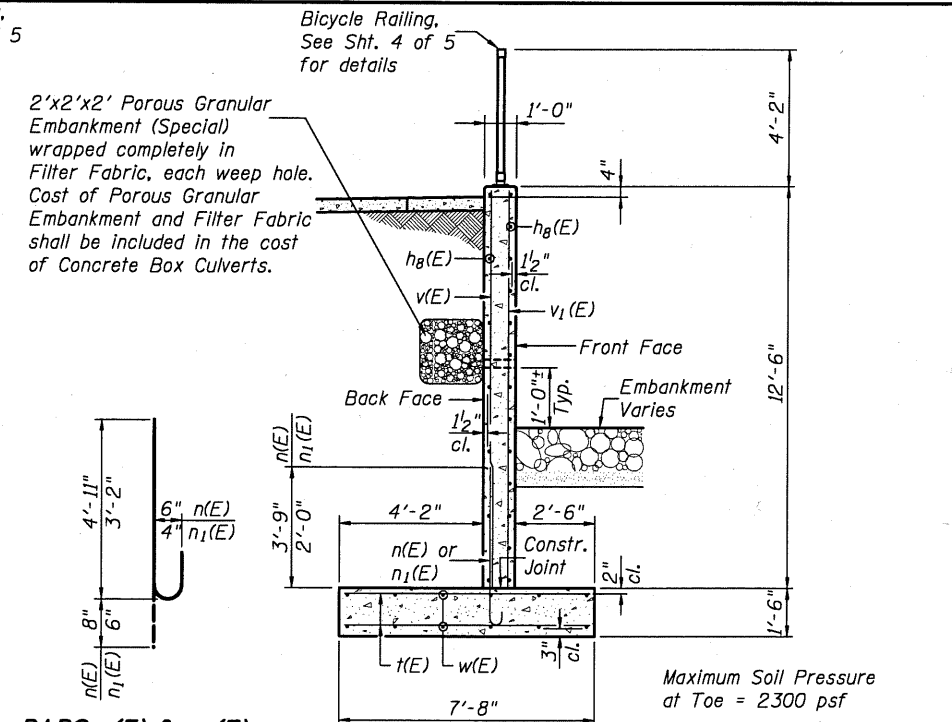
DESIGNED	B.G.H.
CHECKED	L.D.G.
DRAWN	K.H.L.
CHECKED	B.G.H.

SHEET NO. 2		F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
5 SHEETS		1780	06-00016-00-BT	CLINTON	25	16
		S.N. 014-2021		CONTRACT NO. 97416		
		FED. ROAD DIST. NO.	ILLINOIS FED. AID PROJECT			

03 detls 5648-6.dgn JAN. 6. 2010



ELEVATION



BARS n(E) & n1(E)

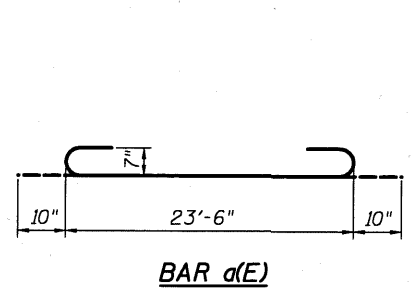
SECTION B-B

BILL OF MATERIAL

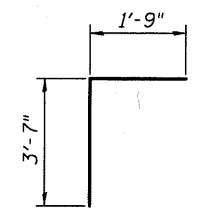
Bar	No.	Size	Length	Shape	
a(E)	98	#7	25'-2"	U	
a1(E)	98	#7	12'-0"	U	
a2(E)	100	#4	8'-0"	U	
a3(E)	3	#4	25'-0"	U	
d(E)	25	#4	5'-4"	L	
h(E)	72	#4	26'-3"	U	
h1(E)	61	#5	26'-0"	U	
h2(E)	8	#8	23'-5"	U	
h3(E)	4	#4	25'-0"	U	
h4(E)	9	#5	5'-11"	L	
h5(E)	9	#5	5'-2"	L	
h6(E)	9	#5	5'-0"	L	
h7(E)	9	#5	5'-0"	U	
h8(E)	40	#4	24'-8"	U	
h9(E)	2	#5	7'-10"	U	
h10(E)	2	#5	13'-0"	U	
h11(E)	5	#8	25'-0"	U	
n(E)	56	#6	5'-7"	U	
n1(E)	54	#4	3'-8"	U	
s(E)	25	#4	7'-7"	U	
s1(E)	46	#4	4'-1"	U	
t(E)	138	#4	7'-5"	U	
v(E)	56	#5	12'-3"	U	
v1(E)	16	#4	12'-3"	U	
v2(E)	11	#5	13'-8"	U	
v3(E)	98	#5	8'-3"	U	
w(E)	24	#5	24'-8"	U	
Reinforcement Bars, Epoxy Coated				Pound	16,840
Expansion Bolts 3/4 inch				Each	38
Concrete Box Culverts				Cu. Yd.	91.9

Reinforcement bars designated (E) shall be epoxy coated.

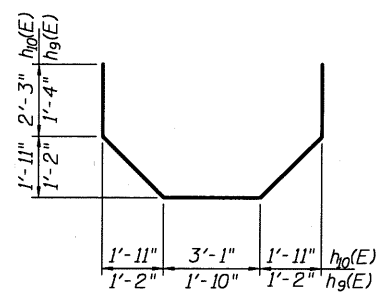
DETAILS



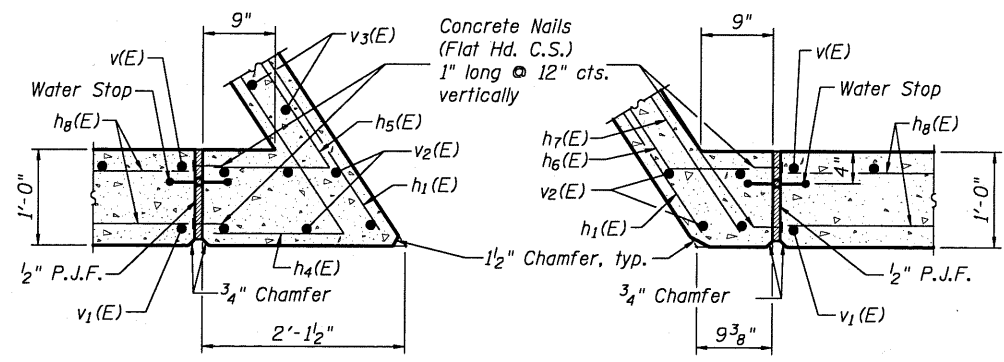
BAR d(E)



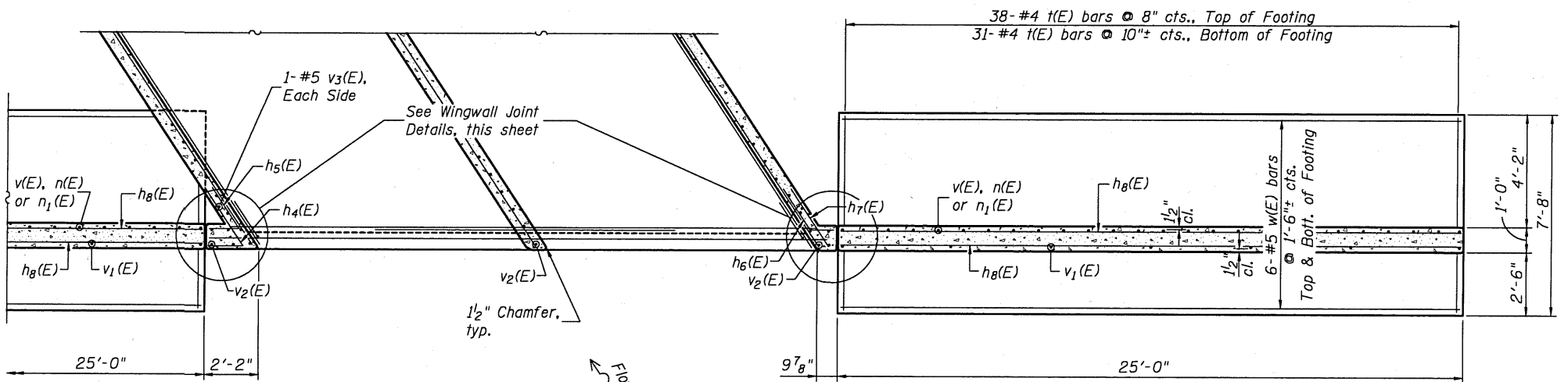
BAR d(E)



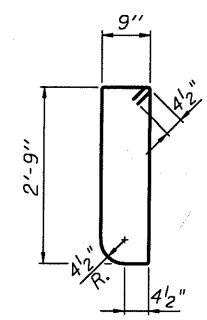
BARS h9(E) & h10(E)



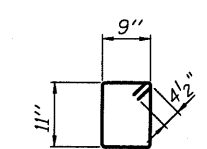
WINGWALL JOINT DETAILS



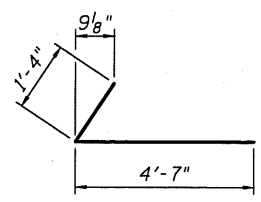
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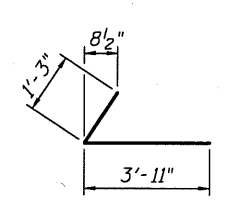
BAR s(E)



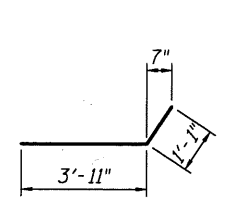
BAR s1(E)



BAR h4(E)



BAR h5(E)

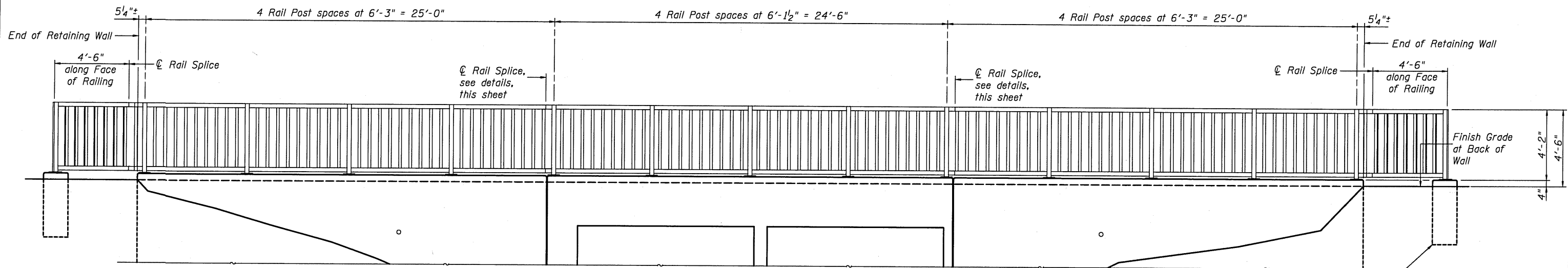


BAR h6(E)

DESIGNED	B.G.H.
CHECKED	L.D.G.
DRAWN	K.H.L.
CHECKED	B.G.H.

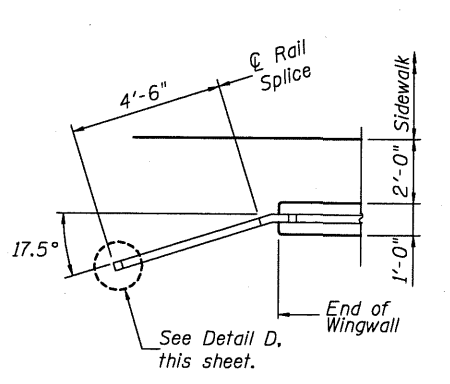
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	S.N. 014-2021		CONTRACT NO. 97416		
FED. ROAD DIST. NO.		ILLINOIS	FED. AID PROJECT		

04-1111 5648-6.dgn JAN. 6, 2010

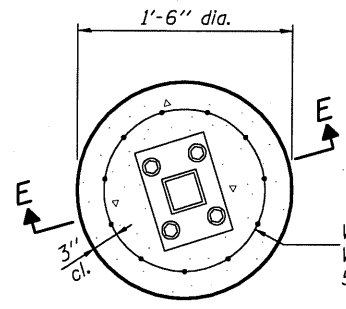


BICYCLE RAILING ELEVATION

See Detail D, this sheet.
The cost of excavation, concrete and reinforcement shall be included in the cost of Bicycle Railing, Special.



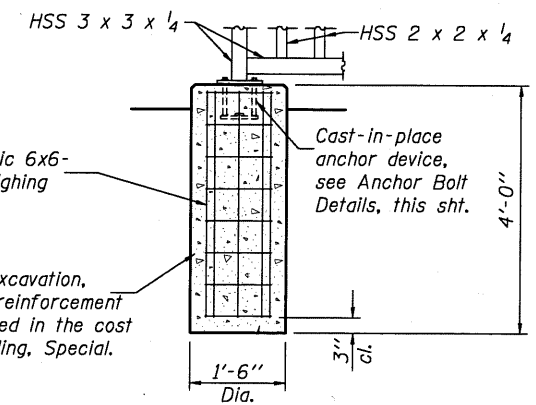
END OF RAILING PLAN



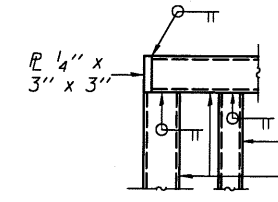
DETAIL D

Note:
Forms for foundation may be omitted if soil conditions permit.

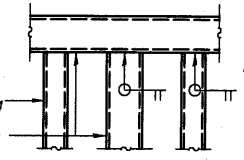
The cost of excavation, concrete and reinforcement shall be included in the cost of Bicycle Railing, Special.



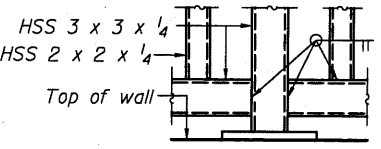
SECTION E-E



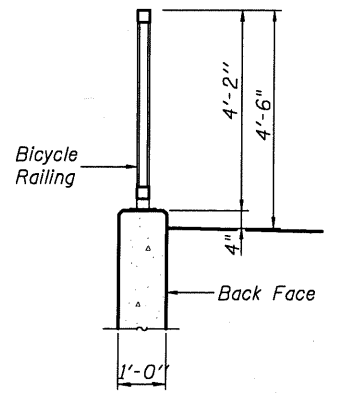
DETAIL A



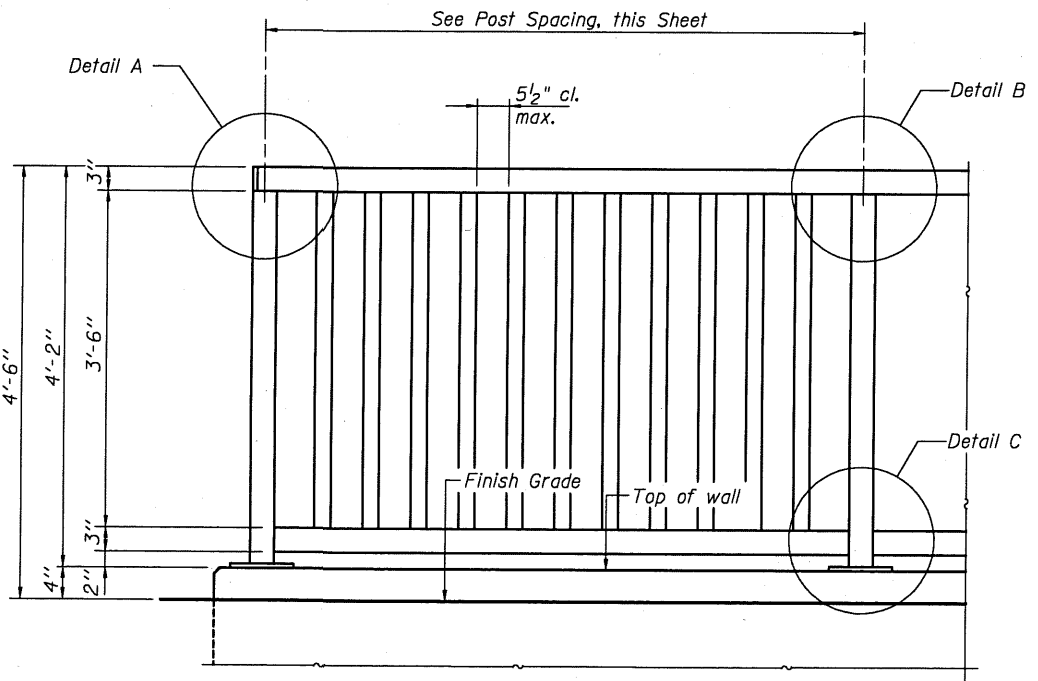
DETAIL B



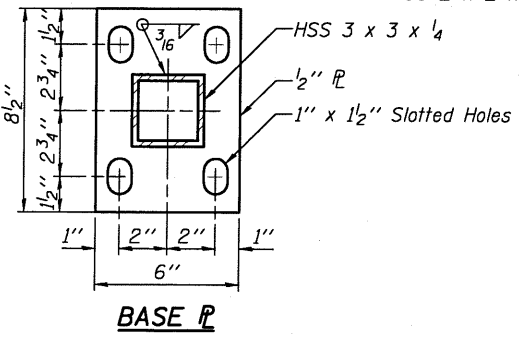
DETAIL C



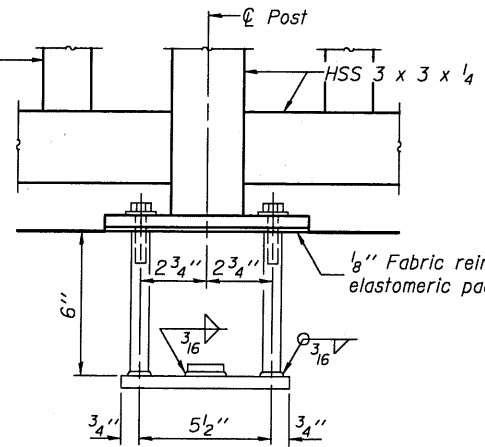
SECTION THRU RETAINING WALL



BICYCLE RAILING PARTIAL ELEVATION
(Inside Face of Rail)

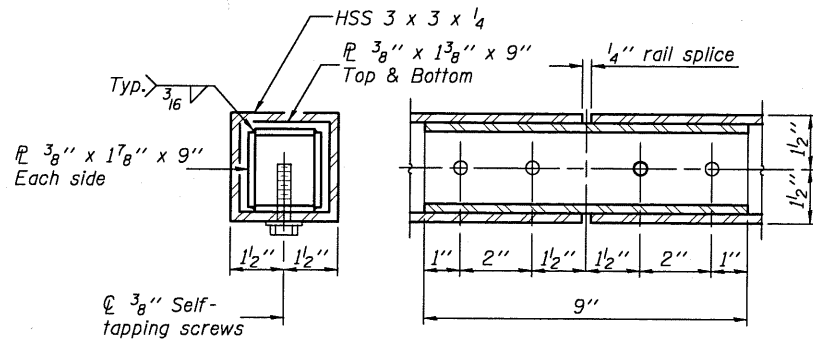


BASE PL



ANCHOR BOLT DETAILS

In lieu of the cast-in-place anchor device shown, the Contractor has the option of drilling and setting 5/8" φ anchor rods according to Article 509.06 of the Standard Specifications. Embedment shall be according to the manufacturer's specifications.



RAIL SPLICE

BILL OF MATERIAL

Item	Unit	Quantity
Bicycle Railing, Special	Foot	86

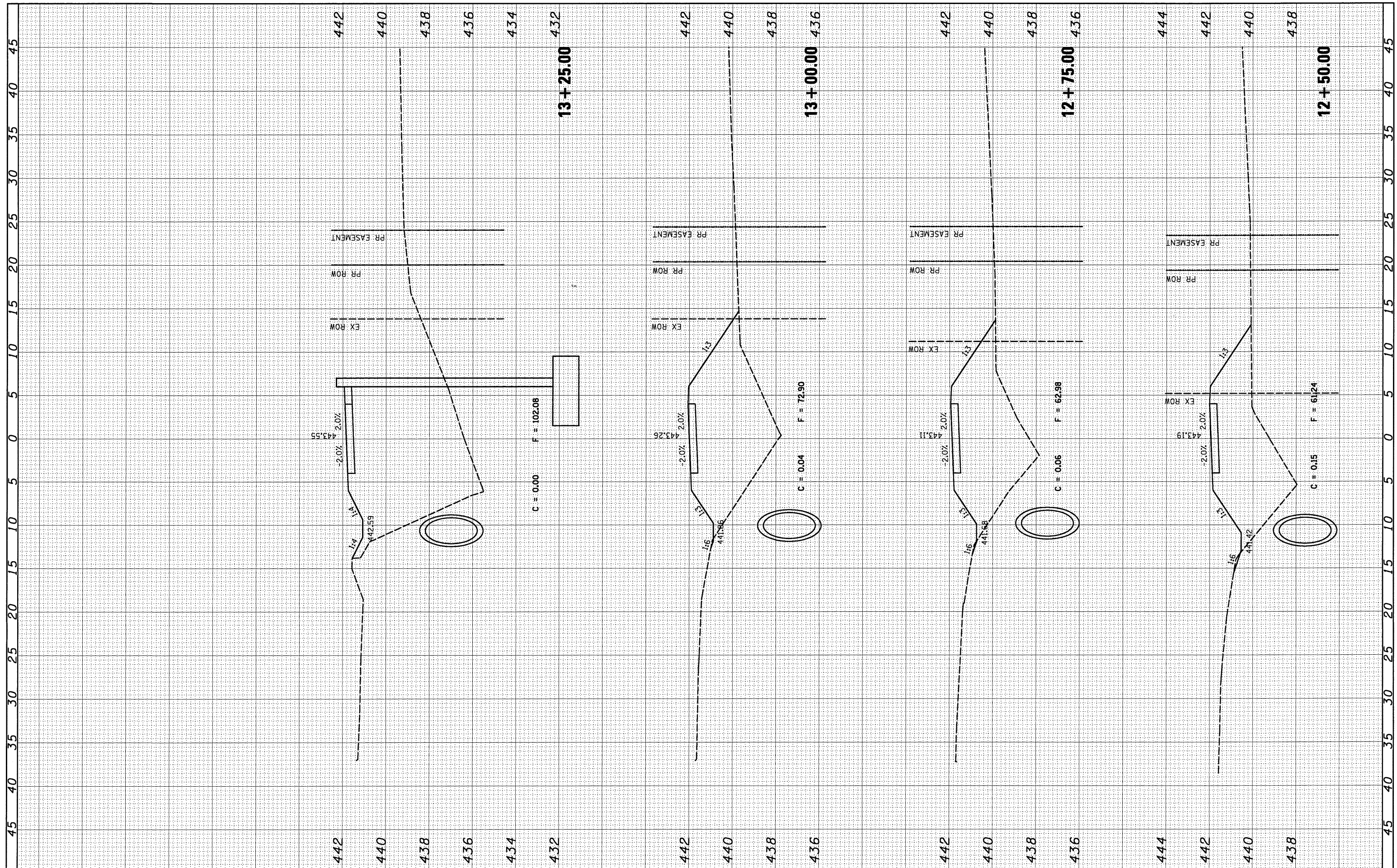
BICYCLE RAILING

DESIGNED	B.G.H.
CHECKED	L.D.G.
DRAWN	K.H.L.
CHECKED	B.G.H.

SHEET NO. 4	F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	1780	06-00016-00-BT	CLINTON	25	18
5 SHEETS	S.N. 014-2021		CONTRACT NO. 97416		
	FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

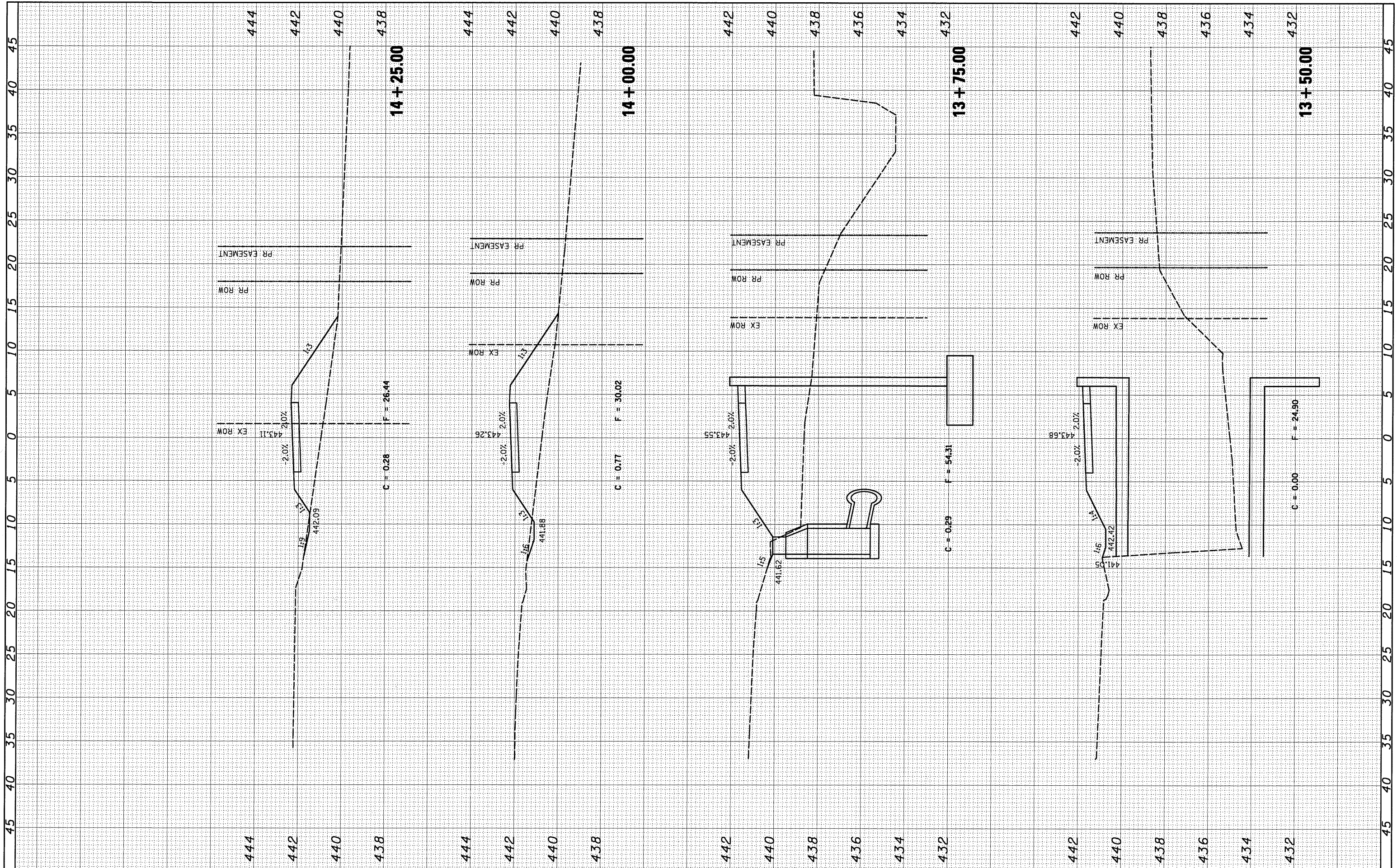
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AREAS CHECKED	DATE		
	AREAS		
	CHECKED		

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

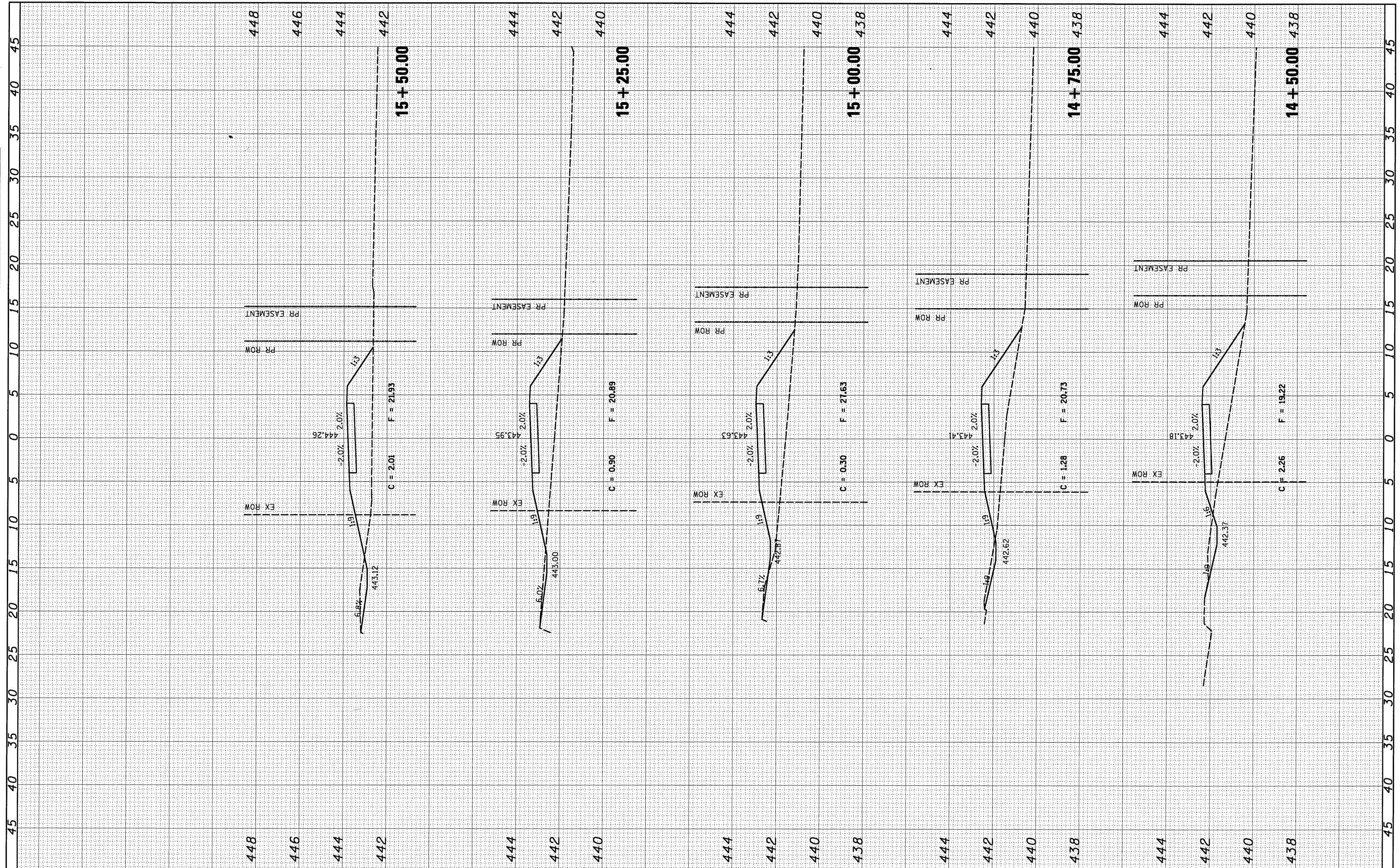
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NOTE BOOK		
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SURVEYED		
TEMPLATE		
AREAS		
AREAS CHECKED		



FILE NAME =	USER NAME = *USER*	DESIGNED - KJS	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	ITEP SHARED-USE FACILITY CROSS SECTIONS	F.A. RTÉ.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
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				SCALE:	SHEET NO. 3 OF 6 SHEETS	STA. 13+50.00	TO STA. 14+25.00			

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

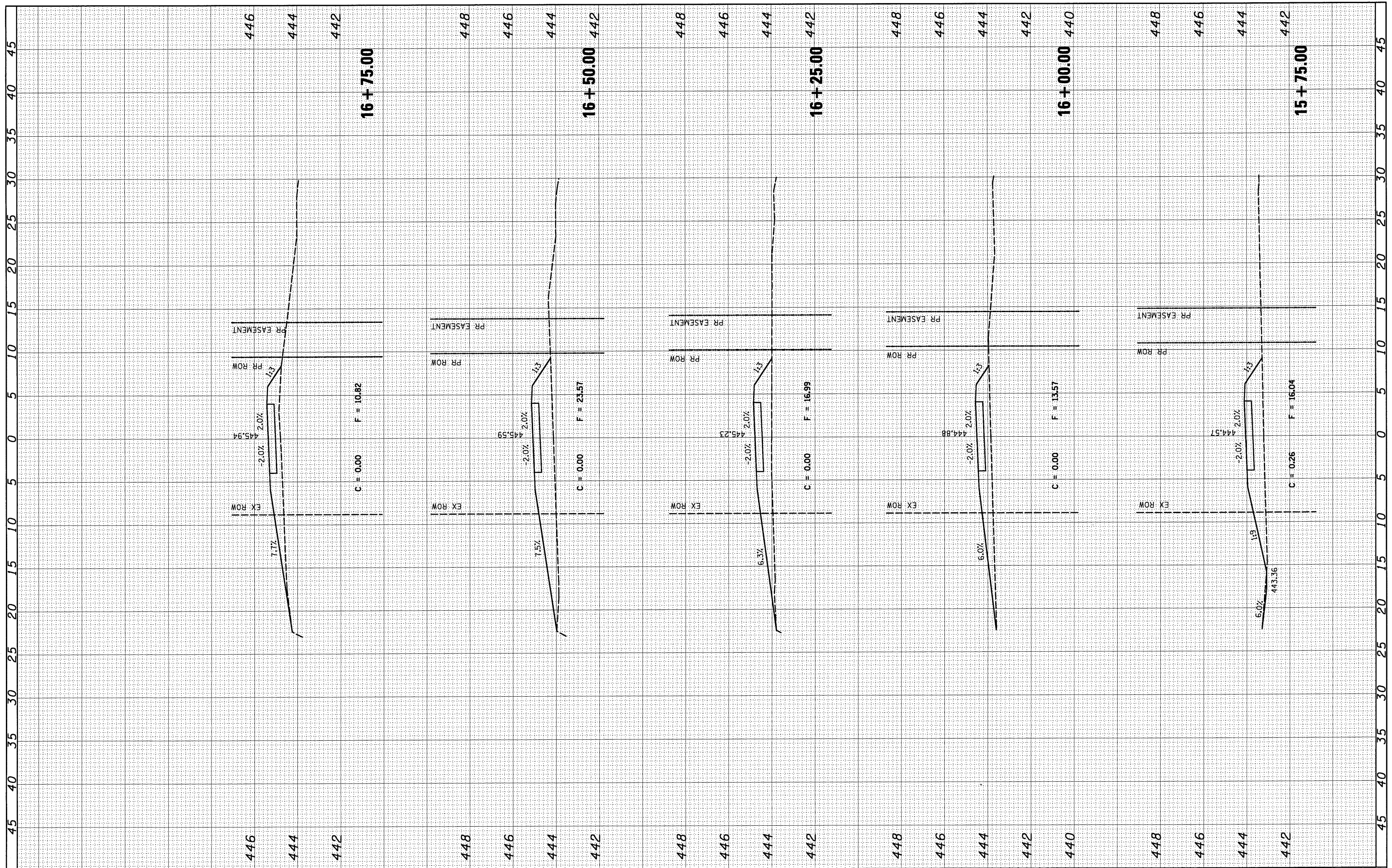
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NOTE BOOK		
NO.		
SURVEYED		
TEMPLATE		
AREAS		
CHECKED		



FILE NAME =	USER NAME = #USER#	DESIGNED - KJS	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	ITEP SHARED-USE FACILITY CROSS SECTIONS		F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
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		DATE - 1/11/2010	REVISED -					FED. ROAD DIST. NO.	ILLINOIS FED. AID PROJECT		

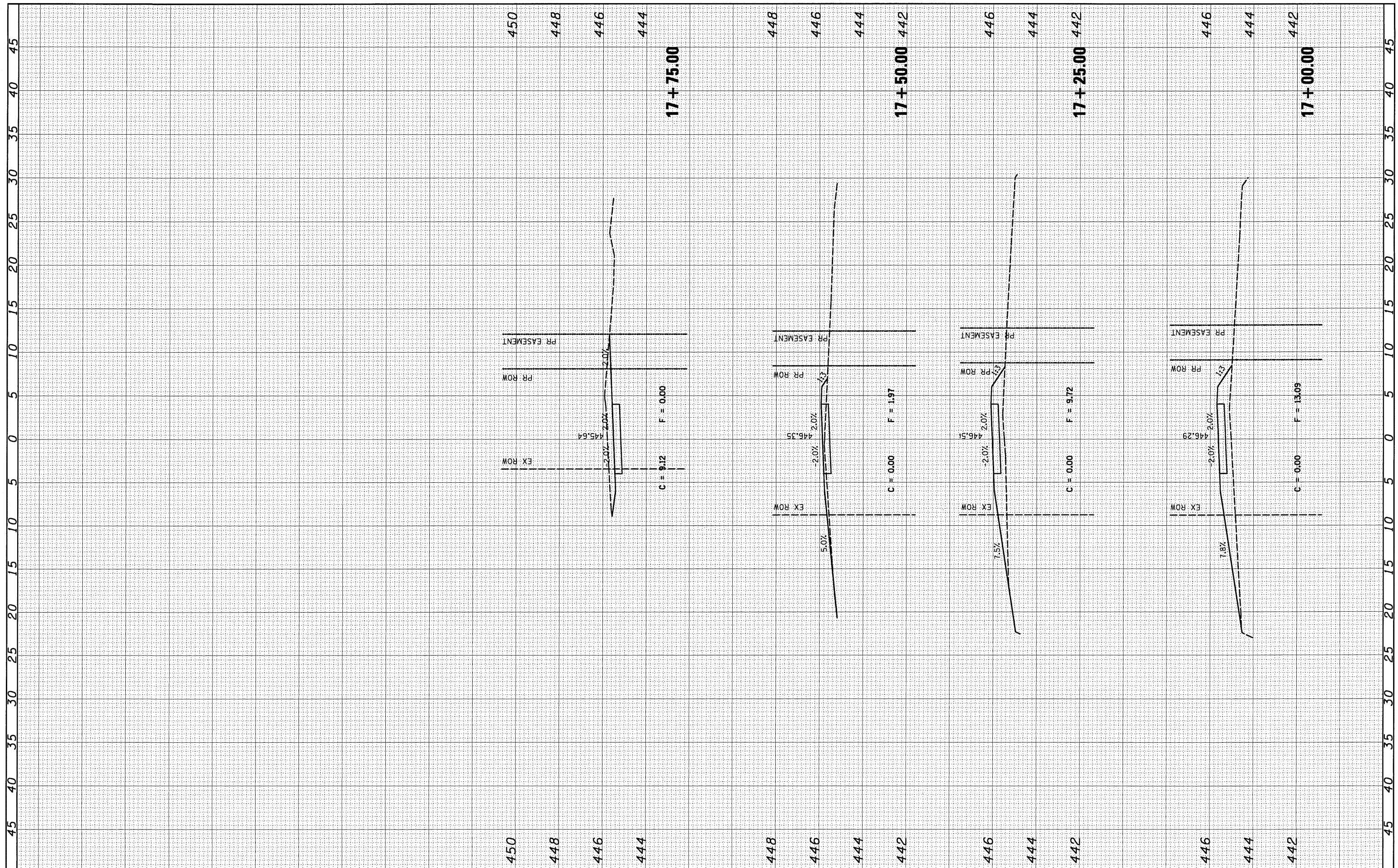
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NOTE BOOK NO.	TEMPLATE AREAS CHECKED	

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



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

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



FILE NAME =	USER NAME = #USER#	DESIGNED - KJS	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	ITEP SHARED-USE FACILITY CROSS SECTIONS		F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
#FILE#		DRAWN - KOJ	REVISED -		SCALE:	SHEET NO. 6 OF 6 SHEETS	STA. 17+00.00 TO STA. 17+75.00	06-00016-00-BR	CLINTON	25	25
PLOT SCALE = #SCALE#		CHECKED - SAR	REVISED -					CONTRACT NO. 97416			
PLOT DATE = 1/12/2010		DATE - 1/11/2010	REVISED -					FED. ROAD DIST. NO.	ILLINOIS FED. AID PROJECT		