

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
8376	07-00112-00-PV	EFFINGHAM	53	1
FED. ROAD DIST. NO.	ILLINOIS	CONTRACT NO. 95635		

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION
DIVISION OF HIGHWAYS

FEDERAL - AID PLANS FOR
LOCAL AGENCY IMPROVEMENT

CITY OF EFFINGHAM, EFFINGHAM COUNTY

PROJECT NO. M-5021(026)

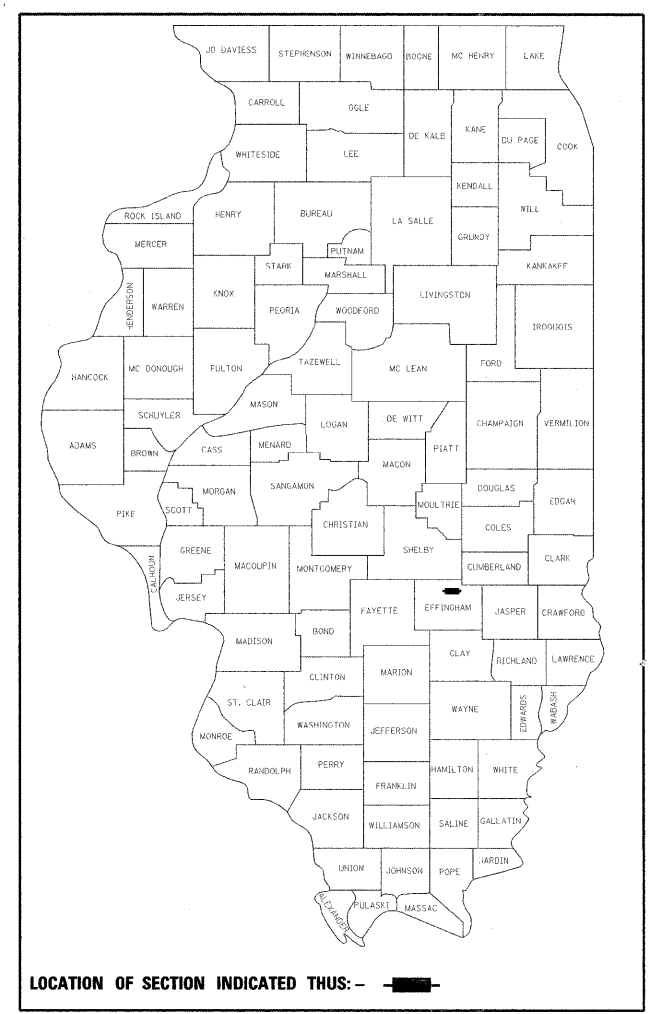
JOB C-97-077-10

RICKELMAN AVENUE (F.A.U. 8376)

(U.S. ROUTE 45 (F.A.U. 8379) TO EAST OF BOX CULVERT STA 24+60)

SECTION 07-00112-00-PV

SURFACE TRANSPORTATION URBAN FUNDS



LOCATION OF SECTION INDICATED THIS: - [Black Rectangle] -

INDEX OF SHEETS

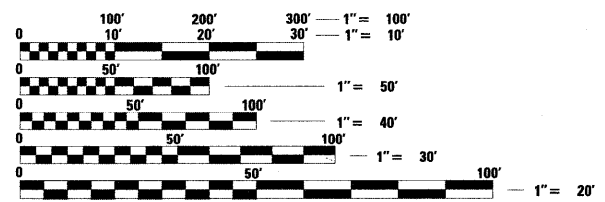
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STATE STANDARD DETAILS

000001-05	STANDARD SYMBOLS, ABBREVIATIONS AND PATTERNS
280001-05	TEMPORARY EROSION CONTROL SYSTEMS
420001-07	PAVEMENT JOINTS
420111-03	PCC PAVEMENT ROUNDOUTS
420701-02	PAVEMENT FABRIC
424001-05	CURB RAMPS FOR SIDEWALKS
442201-03	CLASS C AND D PATCHES
542301-03	PRECAST REINFORCED CONCRETE FLARED END SECTION
602301-03	INLET - TYPE A
602306-03	INLET - TYPE B
602401-03	MANHOLE TYPE A
602601-02	PRECAST REINFORCED CONCRETE FLAT SLAB TOP
602701-02	MANHOLE STEPS
604001-03	FRAME AND LIDS TYPE 1
604006-04	FRAME AND GRATE TYPE 3
604041-02	FRAME AND GRATE TYPE 9
606001-04	CONCRETE CURB TYPE B AND COMBINATION CONCRETE CURB AND GUTTER
664001-02	CHAIN LINK FENCE
667101-01	PERMANENT SURVEY MARKERS
701006-03	OFF-RD OPERATIONS, 2L, 2W, 15' (4.5 m) TO 24" (600 mm) FROM PAVEMENT EDGE
701011-02	OFF-RD MOVING OPERATIONS, 2L, 2W, DAY ONLY
701301-04	LANE CLOSURE, 2L, 2W, SHORT TIME OPERATIONS
701311-03	LANE CLOSURE, 2L, 2W, MOVING OPERATIONS-DAY ONLY
701321-11	LANE CLOSURE, 2L, 2W, BRIDGE REPAIR WITH BARRIER
701501-06	URBAN LANE CLOSURE, 2L, 2W, UNDIVIDED
701502-04	URBAN LANE CLOSURE, 2L, 2W, WITH BIDIRECTIONAL LEFT TURN LANE
701801-04	LANE CLOSURE MULTILANE 1W OR 2W CROSSWALK OR SIDEWALK CLOSURE
701901-01	TRAFFIC CONTROL DEVICES
704001-06	TEMPORARY CONCRETE BARRIER
720001-01	SIGN PANEL MOUNTING DETAILS
720006-02	SIGN PANEL ERECTION DETAILS
780001-02	TYPICAL PAVEMENT MARKINGS

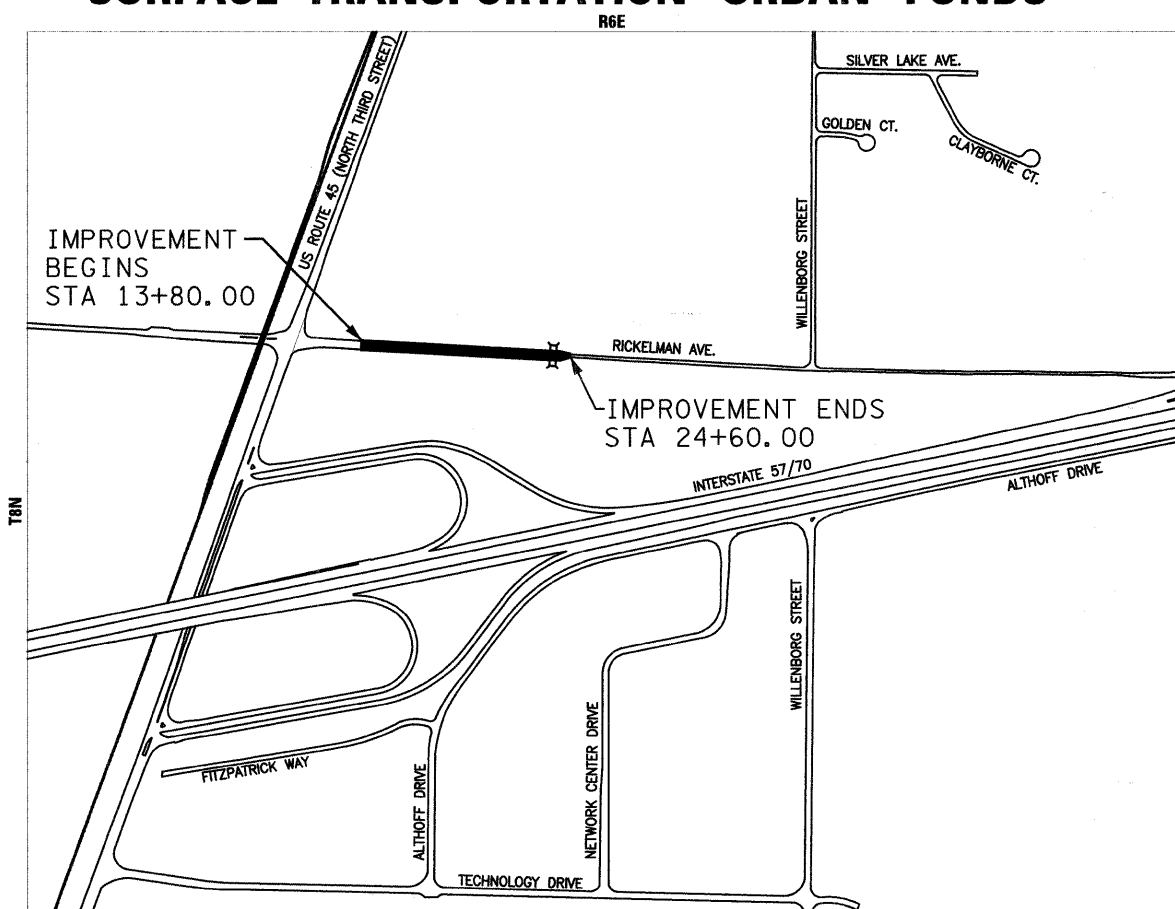
DESIGN DESIGNATION DATA

RICKELMAN AVENUE - URBAN COLLECTOR
 POSTED SPEED = 30 MPH
 DESIGN SPEED = 35 MPH
 ADT (2010) = 4,845, ADT (2030) = 10,262, DHV = 1.026

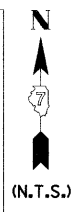


FULL SIZE PLANS HAVE BEEN PREPARED USING STANDARD ENGINEERING SCALES. REDUCED SIZED PLANS WILL NOT CONFORM TO STANDARD SCALES. IN MAKING MEASUREMENTS ON REDUCED PLANS, THE ABOVE SCALES MAY BE USED.

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



LOCATION MAP - CITY OF EFFINGHAM
 TOTAL LENGTH OF PROJECT = 1,080.00 FEET = 0.205 MILES
 NET LENGTH OF PROJECT = 1,080.00 FEET = 0.205 MILES
 [Black Line] PROPOSED ROADWAY IMPROVEMENTS



Philip S. Allin
 10-19-10
 SIGNATURE
 EXPIRATION DATE NOVEMBER 30, 2011

THE IMPROVEMENTS UNDER THIS CONTRACT ARE IN ACCORDANCE WITH THE ILLINOIS DEPARTMENT OF TRANSPORTATION "BUREAU OF LOCAL ROADS AND STREETS MANUAL, 2005 EDITION"

APPROVED 10-21 2010
Steven W. Mills
 CITY ENGINEER

PASSED Nov 10, 2010
Maureen E. Card
 DISTRICT SEVEN ENGINEER OF LOCAL ROADS & STREETS

Releasing For Bid Based on Limited Review

Nov 10, 2010
Roger L. Dushoff
 DEPUTY DIRECTOR OF HIGHWAYS, REGION FOUR ENGINEER
 STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

IL 45 TO EAST OF BOX

CONTRACT NO. 95635

FARNSWORTH GROUP, INC.

CODE NO.	PAY ITEM	UNIT	ROADWAY 0003	STRUCTURE STA 23+23 0010	NON PART. 0043	TOTAL
20100110	TREE REMOVAL (6 TO 15 UNITS DIAMETER)	UNIT	100			100
20100210	TREE REMOVAL (OVER 15 UNITS DIAMETER)	UNIT	256			256
* 20200100	EARTH EXCAVATION	CU YD	3,328			3,328
* 20201200	REMOVAL AND DISPOSAL OF UNSUITABLE MATERIAL	CU YD		62		62
20700220	POROUS GRANULAR EMBANKMENT	CU YD	155			155
20800150	TRENCH BACKFILL	CU YD	335		99	434
25100630	EROSION CONTROL BLANKET	SQ YD	200			200
28000250	TEMPORARY EROSION CONTROL SEEDING	POUND	170			170
28000305	TEMPORARY DITCH CHECKS	FOOT	30			30
28000400	PERIMETER EROSION BARRIER	FOOT	1,005			1,005
28000500	INLET AND PIPE PROTECTION	EACH	23			23
28000510	INLET FILTERS	EACH	17			17
28100107	STONE RIPRAP, CLASS A4	SQ YD		145		145
28200200	FILTER FABRIC	SQ YD		145		145
31101000	SUB-BASE GRANULAR MATERIAL, TYPE B	TON	3,168			3,168
35101400	AGGREGATE BASE COURSE, TYPE B	TON	464			464
40200800	AGGREGATE SURFACE COURSE, TYPE B	TON	66			66
* 40201000	AGGREGATE FOR TEMPORARY ACCESS	TON	200			200
40600100	BITUMINOUS MATERIALS (PRIME COAT)	GALLON	412			412
40600300	AGGREGATE (PRIME COAT)	TON	1			1
40603080	HOT-MIX ASPHALT BINDER COURSE, IL-19.0, N50	TON	20			20
40603310	HOT-MIX ASPHALT SURFACE COURSE, MIX "C", N50	TON	16			16
40800010	BITUMINOUS MATERIALS (PRIME COAT)	GALLON	5			5
40800050	INCIDENTAL HOT-MIX ASPHALT SURFACING	TON	3			3
42000500	PORTLAND CEMENT CONCRETE PAVEMENT 10"	SQ YD	3,956			3,956
* 42001100	HIGH-EARLY-STRENGTH PORTLAND CEMENT CONCRETE PAVEMENT 10"	SQ YD	189			189
42001200	PAVEMENT FABRIC	SQ YD	1,724			1,724
42001300	PROTECTIVE COAT	SQ YD	4,771			4,771
42300200	PORTLAND CEMENT CONCRETE DRIVEWAY PAVEMENT, 6 INCH	SQ YD	38			38
42300400	PORTLAND CEMENT CONCRETE DRIVEWAY PAVEMENT, 8 INCH	SQ YD	1,345			1,345
42400800	DETECTABLE WARNINGS	SQ FT	70			70
44000100	PAVEMENT REMOVAL	SQ YD	67			67
44000200	DRIVEWAY PAVEMENT REMOVAL	SQ YD	920			920
44000500	COMBINATION CURB AND GUTTER REMOVAL	FOOT	1,205			1,205
44000600	SIDEWALK REMOVAL	SQ FT	1,630			1,630
44201357	CLASS C PATCHES, TYPE III, 10 INCH	SQ YD	17			17
44201359	CLASS C PATCHES, TYPE IV, 10 INCH	SQ YD	167			167
48101200	AGGREGATE SHOULDERS, TYPE B	TON	5			5

CODE NO.	PAY ITEM	UNIT	ROADWAY 0003	STRUCTURE STA 23+23 0010	NON PART. 0043	TOTAL
50100100	REMOVAL OF EXISTING STRUCTURES	EACH		1		1
50105220	PIPE CULVERT REMOVAL	FOOT	167			167
50800105	REINFORCEMENT BARS	POUND		7,360		7,360
54003000	CONCRETE BOX CULVERTS	CU YD		45.1		45.1
54010905	PRECAST CONCRETE BOX CULVERT 9' X 5'	FOOT		112		112
54213660	PRECAST REINFORCED CONCRETE FLARED END SECTIONS 15"	EACH	1			1
* 550A2320	STORM SEWERS, RUBBER GASKET, CLASS A, TYPE 1 12"	FOOT	192			192
* 550A2330	STORM SEWERS, RUBBER GASKET, CLASS A, TYPE 1 15"	FOOT	69			69
* 550A2520	STORM SEWERS, RUBBER GASKET, CLASS A, TYPE 2 12"	FOOT	111			111
* 550A2540	STORM SEWERS, RUBBER GASKET, CLASS A, TYPE 2 18"	FOOT	162			162
△* 56100500	WATER MAIN 4"	FOOT			11	11
△* 56100600	WATER MAIN 6"	FOOT			9	9
△* 56100800	WATER MAIN 10"	FOOT			1,337	1,337
△* 56104800	WATER VALVES 4"	EACH			1	1
△* 56104900	WATER VALVES 6"	EACH			1	1
△* 56105100	WATER VALVES 10"	EACH			4	4
△* 56108800	TAPPING VALVES AND SLEEVES 6"	EACH			1	1
△ 56200300	WATER SERVICE LINE 1"	FOOT			21	21
*△ 56300100	ADJUSTING SANITARY SEWERS, 8-INCH DIAMETER OR LESS	FOOT	50			50
*△ 56300300	ADJUSTING WATER SERVICE LINES	FOOT	20			20
△* 56400820	FIRE HYDRANT WITH AUXILIARY VALVE AND VALVE BOX	EACH			4	4
60218400	MANHOLES, TYPE A, 4'-DIAMETER, TYPE 1 FRAME, CLOSED LID	EACH	5			5
60221800	MANHOLES, TYPE A, 5'-DIAMETER, TYPE 9 FRAME AND GRATE	EACH	1			1
* 6022810	MANHOLES, SANITARY, 4'-DIAMETER, TYPE 1 FRAME, CLOSED LID	EACH			1	1
60235700	INLETS, TYPE A, TYPE 3 FRAME AND GRATE	EACH	7			7
60236600	INLETS, TYPE A, TYPE 9 FRAME AND GRATE	EACH	3			3
* 60238710	INLETS, TYPE A, WITH SPECIAL GRATE	EACH	1			1
60240220	INLETS, TYPE B, TYPE 3 FRAME AND GRATE	EACH	5			5
60255500	MANHOLES TO BE ADJUSTED	EACH	7			7
60266600	VALVE BOXES TO BE ADJUSTED	EACH	2			2
60500060	REMOVING INLETS	EACH	10			10
60604400	COMBINATION CONCRETE CURB AND GUTTER, TYPE B-6.18	FOOT	105			105
60605000	COMBINATION CONCRETE CURB AND GUTTER, TYPE B-6.24	FOOT	2,100			2,100
61133100	FIELD TILE JUNCTION VAULTS, 2' DIA.	EACH	2			2
61133200	FIELD TILE JUNCTION VAULTS, 3' DIA.	EACH	2			2
* 61139900	STORM SEWERS, SPECIAL 6"	FOOT	100			100
* 61140000	STORM SEWERS, SPECIAL 8"	FOOT	100			100
* 61140100	STORM SEWERS, SPECIAL 10"	FOOT	100			100

△ SPECIALTY ITEM
* SPECIAL PROVISION

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PLOT BY = Effingham/2009/0050198-00-RickelmanAve/03pr/

USER NAME = #USER#
DESIGNED - PSA
DRAWN - JTC
CHECKED - PJM
DATE - 10/19/10

REVISED -
REVISED -
REVISED -
REVISED -

CITY OF EFFINGHAM

RICKELMAN AVE (FAU 8376) SECTION 07-00112-00-PV
SUMMARY OF QUANTITIES

SCALE: N.T.S. SHEET NO. OF SHEETS STA. 13+80.0 TO STA. 24+60.0

F.A.U RTE. 8376	SECTION 07-00112-00-PV	COUNTY EFFINGHAM	TOTAL SHEETS 53	SHEET NO. 2
CONTRACT NO. 95635			FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT	

FARNSWORTH GROUP, INC.

CONSULTING ENGINEERS - 104 NORTH SECOND STREET, SUITE A, EFFINGHAM, IL 62401 (217)342-5668 / (217)342-5853 FAX

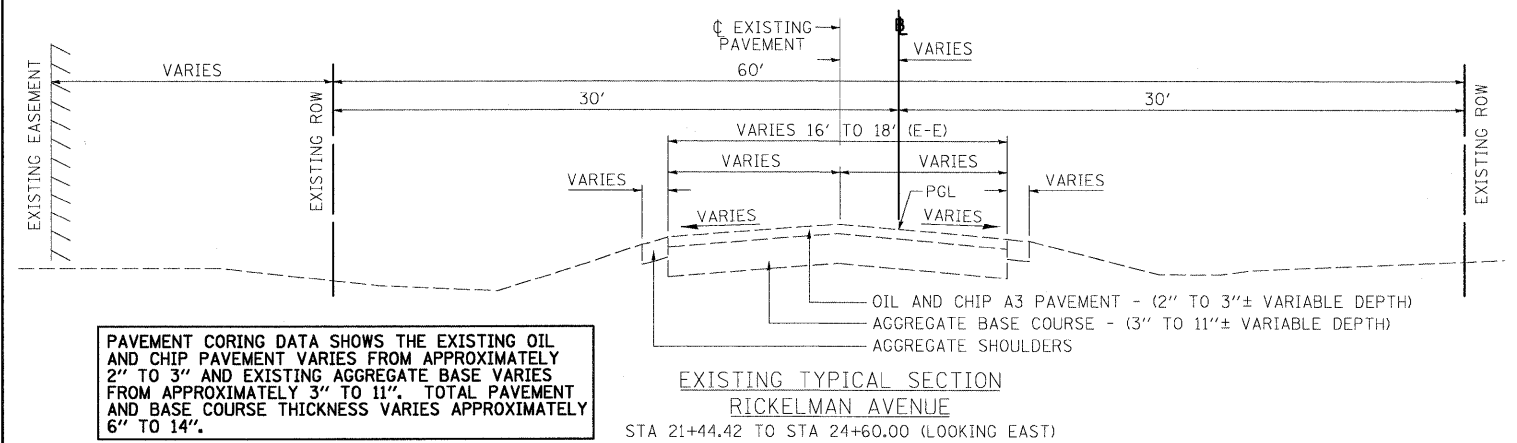
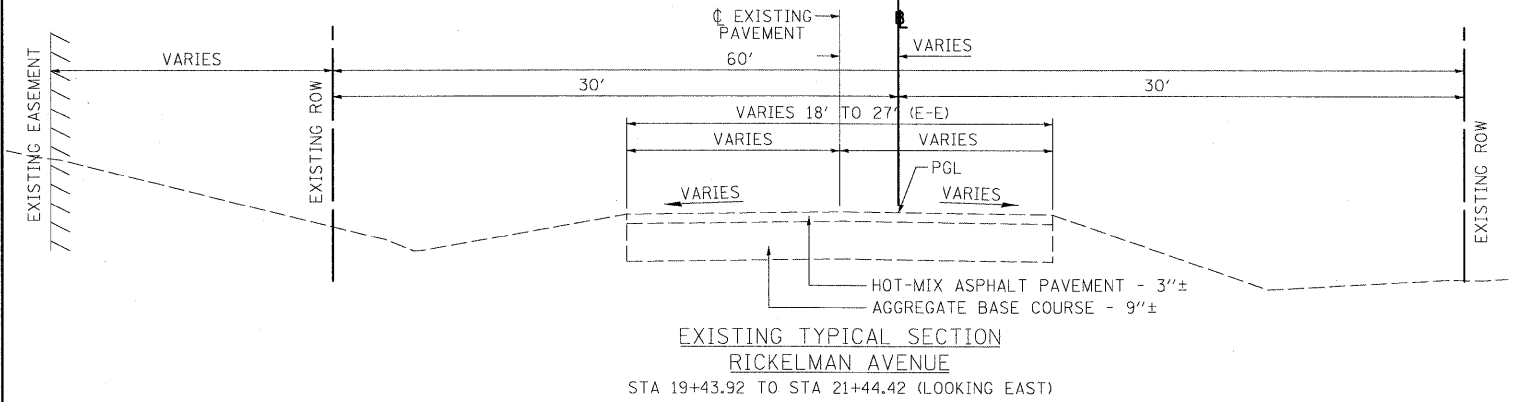
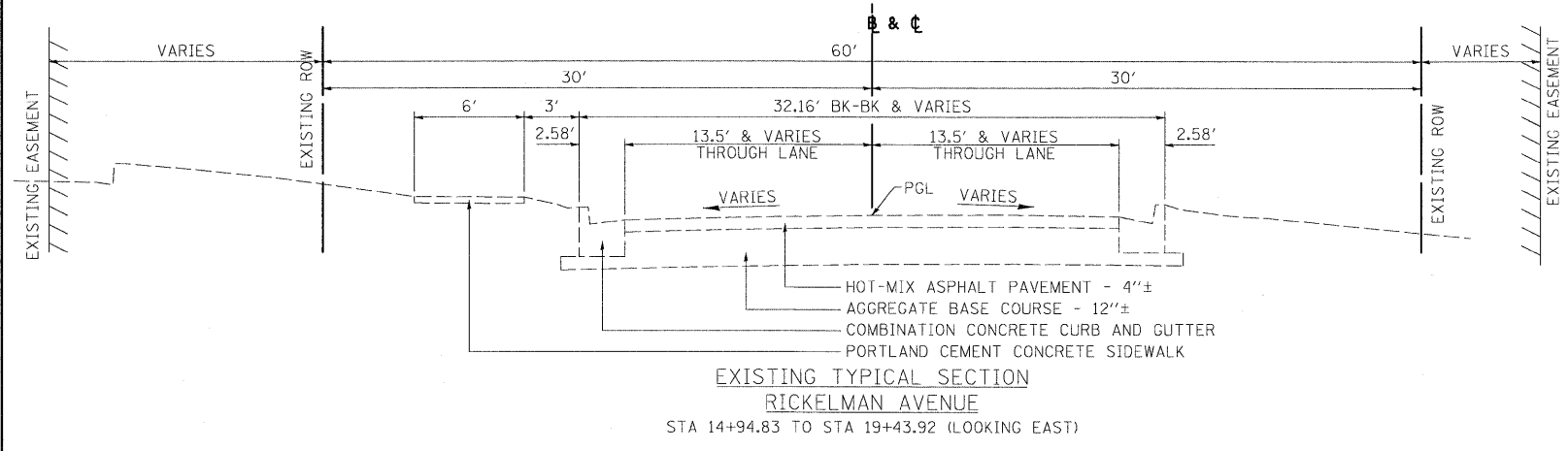
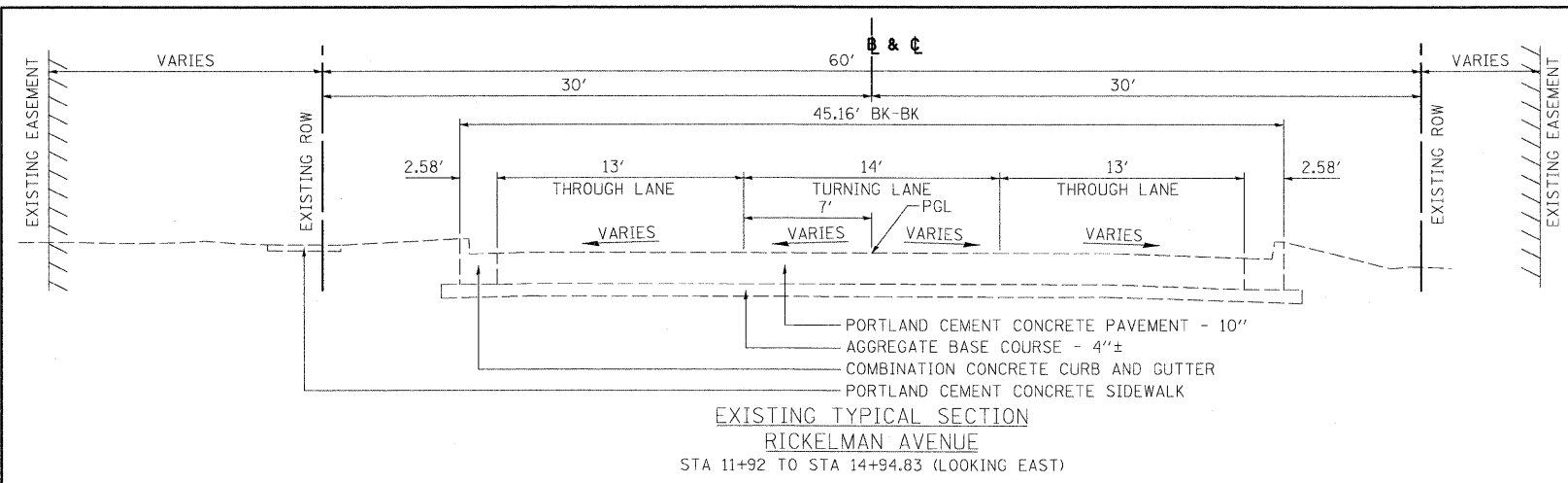
IL 45 TO EAST OF BOX

CODE NO.	PAY ITEM	UNIT	ROADWAY 0003	STRUCTURE STA 23+23 0010	NON PART. 0043	TOTAL
* 61140200	STORM SEWERS, SPECIAL 12"	FOOT	100			100
66400205	CHAIN LINK FENCE, 5'	FOOT		86		86
66700205	PERMANENT SURVEY MARKERS, TYPE I	EACH	1			1
67100100	MOBILIZATION	L SUM	1			1
* 70103700	TRAFFIC CONTROL COMPLETE	L SUM	1			1
* 70106500	TEMPORARY BRIDGE TRAFFIC SIGNALS	EACH	1			1
70106800	CHANGEABLE MESSAGE SIGN	CAL MO	12			12
70300220	TEMPORARY PAVEMENT MARKING - LINE 4"	FOOT	6,815			6,815
70300280	TEMPORARY PAVEMENT MARKING - LINE 24"	FOOT	32			32
70301000	WORK ZONE PAVEMENT MARKING REMOVAL	SQ FT	1,635			1,635
70400100	TEMPORARY CONCRETE BARRIER	FOOT	990			990
70400200	RELOCATE TEMPORARY CONCRETE BARRIER	FOOT	1,720			1,720
72000100	SIGN PANEL - TYPE 1	SQ FT	12.25			12.25
72800100	TELESCOPING STEEL SIGN SUPPORT	FOOT	43.5			43.5
△ 78005100	EPOXY PAVEMENT MARKING - LETTERS AND SYMBOLS	SQ FT	94			94
△ 78005110	EPOXY PAVEMENT MARKING - LINE 4"	FOOT	4,995			4,995
△ 78005150	EPOXY PAVEMENT MARKING - LINE 12"	FOOT	540			540
* 78300100	PAVEMENT MARKING REMOVAL	SQ FT	820			820
* Z0013798	CONSTRUCTION LAYOUT	L SUM	1			1
* Z0026407	TEMPORARY SHEET PILING	SQ FT		626		626
* Z0056668	STORM SEWERS, TYPE 2, WATER MAIN QUALITY PIPE, 12"	FOOT	61			61
*△ Z0057100	SANITARY SEWER 12"	FOOT			82	82
* Z0062456	TEMPORARY PAVEMENT	SQ YD	833			833
△* X0469600	CONNECTION TO EXISTING WATER MAIN	EACH			3	3
* X2070304	POROUS GRANULAR EMBANKMENT, SPECIAL	CU YD		62		62
* X2501000	SEEDING, CLASS 2 (SPECIAL)	ACRE	0.8			0.8
* X4240420	PORTLAND CEMENT CONCRETE SIDEWALK 4 INCH, SPECIAL	SQ FT	3,101			3,101
* X4240440	PORTLAND CEMENT CONCRETE SIDEWALK 6 INCH, SPECIAL	SQ FT	119			119
* X4240460	PORTLAND CEMENT CONCRETE SIDEWALK 8 INCH, SPECIAL	SQ FT	3,290			3,290
* X5510100	STORM SEWER REMOVAL	FOOT	68			68
* X6060160	COMBINATION CONCRETE CURB AND GUTTER OUTLET, SPECIAL	EACH	2			2
△* XX000679	CUT AND CAP EXISTING WATER MAIN	EACH			1	1
△* XX003531	WATER SERVICE CONNECTION 1"	EACH			2	2
△* XX005855	WATER MAIN CASING PIPE	FOOT			326	326
△* XX008196	TRENCH BACKFILL, WATERMAIN, SPECIAL	FOOT			342	342
△* XX008480	WATER SERVICE CONNECTION 2.5"	EACH			1	1

△ SPECIALTY ITEM
* SPECIAL PROVISION

IL AS TO EAST OF BOX
Project: C:\Effingham\2009\0090198\00-RickelmanAve.dgn

FILE NAME = 0090198_Sum-Quant-west.dgn	USER NAME = #USER#	DESIGNED - PSA DRAWN - JTC	REVISED -	CITY OF EFFINGHAM	RICKELMAN AVE (FAU 8376) SECTION 07-00112-00-PV SUMMARY OF QUANTITIES	FAU RTE. 8376	SECTION 07-00112-00-PV	COUNTY EFFINGHAM	TOTAL SHEETS 53	SHEET NO. 3	
PLOT SCALE = #SCALE#	PLotted DATE = 10/19/2010	CHECKED - PJM DATE - 10/19/10	REVISED -			SCALE: N.T.S.	SHEET NO. OF SHEETS	STA. 13+80.0 TO STA. 24+60.0	CONTRACT NO. 95635		
FARNSWORTH GROUP, INC. CONSULTING ENGINEERS - 104 NORTH SECOND STREET, SUITE A, EFFINGHAM, IL 62401 (217)342-5668 / (217)342-5853 FAX						FED. ROAD DIST. NO.			ILLINOIS FED. AID PROJECT		



PAVEMENT CORING DATA SHOWS THE EXISTING OIL AND CHIP PAVEMENT VARIES FROM APPROXIMATELY 2" TO 3" AND EXISTING AGGREGATE BASE VARIES FROM APPROXIMATELY 3" TO 11". TOTAL PAVEMENT AND BASE COURSE THICKNESS VARIES APPROXIMATELY 6" TO 14".

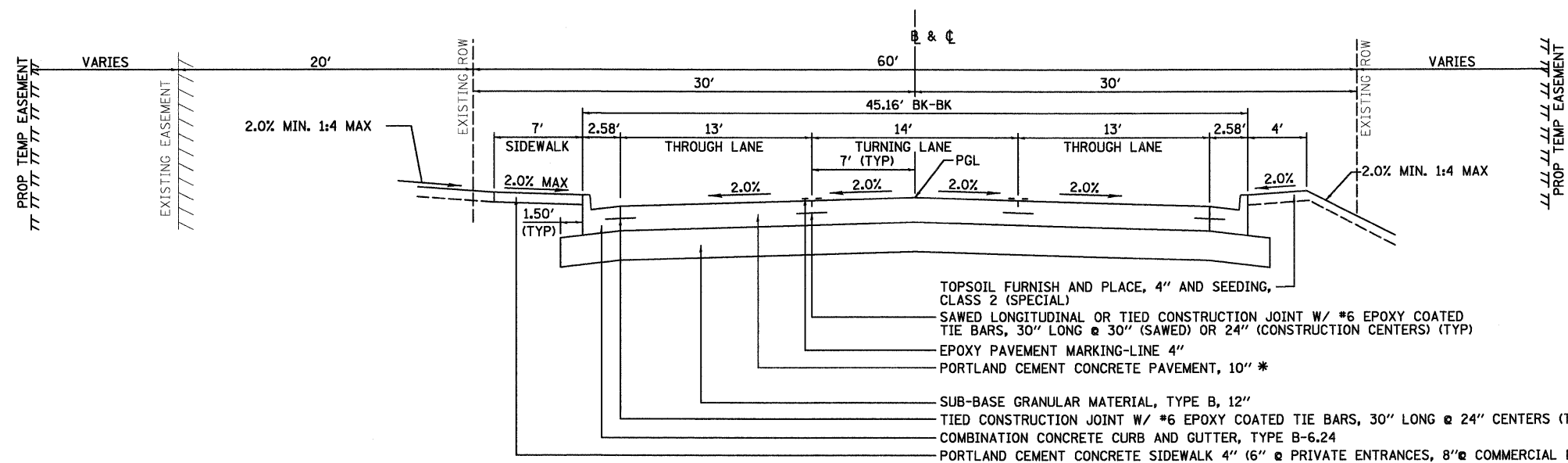
EXISTING		PROPOSED	
	SANITARY SEWER		TREE TO BE REMOVED
	STORM SEWER		SIDEWALK TO BE REMOVED
	GAS VALVE		COMB. CURB & GUTTER TO BE REMOVED
	WATER SERVICE SHUTOFF		CLASS C PATCHES, 10"
	POLE DOWN GUY		AGGREGATE SURFACE COURSE TYPE B-VARIABLE DEPTH
	IRON ROD		P.C. CONCRETE SIDEWALK (SPECIAL) - 4"
	IRON PIPE		P.C. CONCRETE SIDEWALK (SPECIAL) - 8"
	BUSH		P.C. CONC. DRIVEWAY PAVEMENT - 6" & 8"
	TREE W/DIA.		INCIDENTAL HMA SURFACING
	SAPLING		COMB. CONCRETE CURB & GUTTER TYPE B-6.18
	RAILROAD SPIKE		CURB INLET OR MANHOLE
	WATER VALVE		YARD INLET
	WATER METER		MANHOLE TYPE A
	OVERHEAD ELECTRICAL OR TELEPHONE		VALVE BOX TO BE ADJUSTED
	EXISTING GROUND ELEVATION CONTOUR		MANHOLE TO BE ADJUSTED
	EXISTING AGGREGATE BASE COURSE		WATER GATE VALVE
	PROPERTY LINE		STEAMER FIRE HYDRANT
			P.R.C. FLARE END SECTION
			CONCRETE CEMENT CURB & GUTTER
			CLASS
			CENTER
			TRENCH BACKFILL
			TOP OF CURB
			TEMPORARY CONSTRUCTION EASEMENT
			TOP OF GRATE
			TOP OF LID
			TOP RIM

PLAN NOTES

- ANY REFERENCE TO A STANDARD IN THESE PLANS SHALL BE TAKEN TO MEAN THE LATEST EDITION OF THE CITED STANDARD.
- THE TELEPHONE NUMBER FOR JOINT UTILITY LOCATING INFORMATION FOR CONTRACTORS IS 1-800-892-0123.
- IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO DETERMINE THE ACTUAL LOCATION OF ALL UNDERGROUND UTILITY FACILITIES. HE OR SHE SHALL ALSO OBTAIN FROM THE RESPECTIVE UTILITY COMPANIES DETAILED INFORMATION RELATIVE TO THE LOCATION OF THEIR FACILITIES AND THE WORKING SCHEDULES OF THE UTILITY COMPANIES FOR THEIR MARKING OF THE EXACT LOCATIONS. THE CONTRACTOR SHALL COORDINATE CONSTRUCTION ACTIVITIES WITH UTILITY COMPANIES. SEE SPECIAL PROVISIONS FOR SPECIFIC UTILITY CONTACT INFORMATION.
- ALL UTILITY POLES REQUIRING RELOCATION SHALL BE MOVED BY OTHERS. THE POLES SHALL BE A MIN. 2' FROM FACE OF CURB AND A MIN. 3' FROM EDGE OF SIDEWALK.
- PROVIDE SIDEWALK RAMPS FOR THE DISABLED WHERE THERE ARE BOTH PROPOSED SIDEWALK AND PROPOSED CURB. SEE STATE STANDARD NO. 424001-05, PLAN DETAILS, AND SPECIAL PROVISIONS.
- TREES OR BUSHES SHALL BE SAVED WHERE POSSIBLE. THE CONTRACTOR SHALL MEET WITH THE CITY AND RESIDENT ENGINEER PRIOR TO ANY TREE OR BUSH TRIMMING OR REMOVAL OPERATIONS.
- DEPRESSED CURB AND GUTTER SHALL BE PROVIDED AT ALL DRIVEWAYS AND SIDEWALK RAMPS. SEE STATE STANDARDS NO. 424001-05, 606001-04, PLAN DETAILS, AND SPECIAL PROVISIONS.

IL 45 TO EAST OF BOX

FILE NAME: 0090198_Typwest.dgn	USER NAME: #USER#	DESIGNED: PSA	REVISED:	CITY OF EFFINGHAM	RICKELMAN AVE (FAU 8376) SECTION 07-00112-00-PV EXISTING TYPICAL SECTIONS	F.A.U. RTE. 8376	SECTION 07-00112-00-PV	COUNTY EFFINGHAM	TOTAL SHEETS 53	SHEET NO. 4	
PLOT SCALE: #SCALE#	DRAWN: JTC	CHECKED: PJM	REVISED:			SCALE: N.T.S.	SHEET NO. OF SHEETS	STA. 13+80.00 TO STA. 24+60.00	FED. ROAD DIST. NO.	ILLINOIS FED. AID PROJECT	CONTRACT NO. 95635
PLOT DATE: 10/19/2010	DATE: 10/19/10	CHECKED:	REVISED:								
						FARNSWORTH GROUP, INC. CONSULTING ENGINEERS - 104 NORTH SECOND STREET, SUITE A, EFFINGHAM, IL 62401 (217)342-5668 / (217)342-5853 FAX					

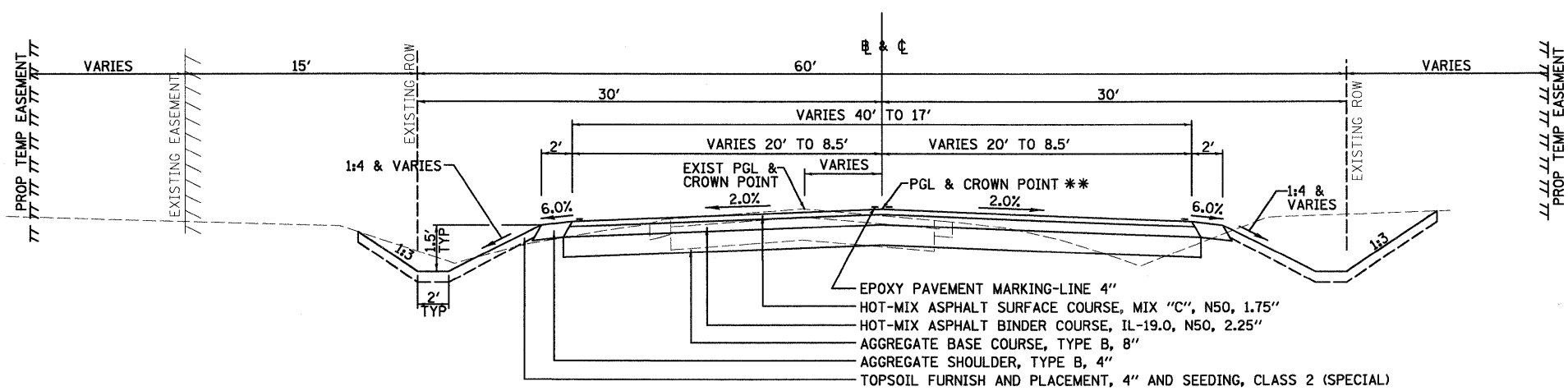


PROPOSED TYPICAL SECTION - RICKELMAN AVENUE
 STA 14+80.00 TO STA 24+10.00
 (LOOKING EAST)

SEE PLAN SHEETS AND SPECIAL PROVISIONS
 FOR CLASS C PATCH DETAILS
 STA 13+80.00 TO STA 14+80.00

- TOPSOIL FURNISH AND PLACE, 4" AND SEEDING, CLASS 2 (SPECIAL)
- SAWED LONGITUDINAL OR TIED CONSTRUCTION JOINT W/ #6 EPOXY COATED TIE BARS, 30" LONG @ 30" (SAWED) OR 24" (CONSTRUCTION CENTERS) (TYP)
- EPOXY PAVEMENT MARKING-LINE 4"
- PORTLAND CEMENT CONCRETE PAVEMENT, 10" *
- SUB-BASE GRANULAR MATERIAL, TYPE B, 12"
- TIED CONSTRUCTION JOINT W/ #6 EPOXY COATED TIE BARS, 30" LONG @ 24" CENTERS (TYP)
- COMBINATION CONCRETE CURB AND GUTTER, TYPE B-6.24
- PORTLAND CEMENT CONCRETE SIDEWALK 4" (6" @ PRIVATE ENTRANCES, 8" @ COMMERCIAL ENTRANCES)

* SEE STAGING PLANS, QUANTITY SCHEDULES & SPECIAL PROVISIONS FOR LOCATIONS OF "HIGH EARLY-STRENGTH" PAVEMENT



PROPOSED TYPICAL SECTION - RICKELMAN AVENUE
 STA 24+10.00 TO STA 24+60.00
 (LOOKING EAST)

** CROWN LOCATION SHIFTS
 NORTH TO MATCH CENTERLINE
 OF EXISTING ROAD

- EPOXY PAVEMENT MARKING-LINE 4"
- HOT-MIX ASPHALT SURFACE COURSE, MIX "C", N50, 1.75"
- HOT-MIX ASPHALT BINDER COURSE, IL-19.0, N50, 2.25"
- AGGREGATE BASE COURSE, TYPE B, 8"
- AGGREGATE SHOULDER, TYPE B, 4"
- TOPSOIL FURNISH AND PLACEMENT, 4" AND SEEDING, CLASS 2 (SPECIAL)

SECTION: 07-00112-00-PV
PAVEMENT DESIGN - RICKELMAN AVE
 CLASS II STREET: COLLECTOR (80,000 LB TRUCKS)
 STRUCTURAL DESIGN TRAFFIC (2020): PV= 7,246
 SU= 255
 MU= 2,228
 SUBGRADE SUPPORT RATING: POOR
 TRAFFIC FACTOR: 12.99

- NOTES**
1. SEE THE PAVEMENT MARKING PLAN FOR STRIPING DETAILS.
 2. MAXIMUM TRANSVERSE PCC PAVEMENT JOINT SPACING IS 15'-0".
 3. SEE PLAN AND PROFILE SHEETS FOR PROPOSED SIDEWALK LOCATIONS.
 4. SEE IDOT STANDARD DETAILS FOR TIE BAR DETAILS AND REQUIREMENTS. TIE BAR COSTS ARE TO BE INCLUDED IN THE COST OF PCC PAVEMENT.
 5. 1.5" DIAMETER EPOXY COATED DOWEL BARS SHALL BE REQUIRED AT ALL TRAVERSE EXPANSION AND CONTRACTION JOINTS. DOWELS SHALL BE 18" LONG AND AT 12" CENTERS (TYP.).

MIXTURE REQUIREMENTS		
MIXTURE USE(S)	HOT-MIX ASPHALT SURFACE	HOT-MIX ASPHALT BINDER
AC/PG	PG 70-22	PG 70-22
RAP % (MAX):	15%	25%
DESIGN AIR VOIDS	4.0% @ Ndes = 50	4.0% @ Ndes = 50
MIXTURE COMPOSITION (GRADATION MIXTURE)	IL 9.5	IL 19.0
FRICTION AGGREGATE	MIX "C"	N/A

IL 45 TO EAST OF BOX

FILE NAME =
 0090198_Typwest.dgn

USER NAME = #USER#
 PLOT SCALE = #SCALE#
 PLOT DATE = 10/19/2010

DESIGNED - PSA
 DRAWN - JTC
 CHECKED - PJM
 DATE - 10/19/10

REVISED -
 REVISED -
 REVISED -
 REVISED -

CITY OF EFFINGHAM

RICKELMAN AVE (FAU 8376) SECTION 07-00112-00-PV
PROPOSED TYPICAL SECTIONS
 SCALE: N.T.S. SHEET NO. OF SHEETS STA: 13+80.00 TO STA: 24+60.00

F.A.U. RTE. 8376	SECTION 07-00112-00-PV	COUNTY EFFINGHAM	TOTAL SHEETS 53	SHEET NO. 5
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT			CONTRACT NO. 95635	

TREE REMOVAL (6 TO 15 UNITS DIAMETER)

LOCATION		UNITS
STA. 23+23.00	LT.	50
STA. 23+23.00	RT.	50
TOTAL		100

TREE REMOVAL (OVER 15 UNITS DIAMETER)

LOCATION		UNITS
STA. 19+45.00	27' RT.	24
STA. 20+77.00	26' RT.	30
STA. 21+31.00	28' RT.	32
STA. 22+07.00	27' RT.	16
STA. 22+64.00	28' RT.	24
STA. 22+76.00	30' RT.	30
STA. 23+23.00	LT.	50
STA. 23+23.00	RT.	50
TOTAL		256

EARTHWORK TABLE

STATION	TO	STATION	EARTH EXCAVATION (CY)	EARTH EXCAVATION ADJUSTED FOR SHRINKAGE (25%) (CY)	EMBANKMENT (CY)	EARTHWORK BALANCE WASTE (+) OR BORROW (-) (CY)
13+80.00		24+60.00	3,328	2,496	1,036	1,460

SEEDING

LOCATION		TEMPORARY EROSION CONTROL SEEDING (2 APPLICATIONS) POUND	SEEDING, CLASS 2 (SPECIAL) ACRE
STA. 13+80.00	TO 24+60.00	170	0.8
TOTAL		170	0.8

PERIMETER EROSION BARRIER

LOCATION		FOOT
STA. 13+45.00	RT. TO 15+05.00 RT.	188
STA. 18+44.00	RT. TO 23+05.00 RT.	488
STA. 22+90.00	LT. TO 23+08.00 LT.	25
STA. 23+40.00	RT. TO 25+00.00 RT.	178
STA. 23+50.00	LT. TO 24+46.00 LT.	106
STA. 24+80.00	LT. TO 25+00.00 LT.	20
TOTAL		1,005

AGGREGATE SURFACE COURSE, TYPE B

LOCATION		TON
STA. 15+14.00	RT. TO 15+65.00 RT.	12
STA. 16+18.00	RT. TO 17+02.00 RT.	19
STA. 17+36.00	RT. TO 18+40.00 RT.	24
STA. 24+16.00	LT. TO 24+59.00 LT.	11
TOTAL		66

PORTLAND CEMENT CONCRETE DRIVEWAY PAVEMENT

LOCATION	WIDTH @ CURB	LENGTH FROM CURB	PORTLAND CEMENT CONCRETE DRIVEWAY PAVEMENT, 6 INCH		PORTLAND CEMENT CONCRETE DRIVEWAY PAVEMENT, 8 INCH		PAVEMENT FABRIC
			SQ YD	SQ YD	SQ YD	SQ YD	
STA. 15+44.80	LT. 72.0	84.0	54.0		427		427
STA. 15+77.00	RT. 35.0	85.0	30.4		188		188
STA. 16+91.80	LT. 72.0	90.0	38.9		304		304
STA. 17+19.00	RT. 35.0	85.0	25.0		167		167
STA. 18+96.00	LT. 74.0	82.0	33.4		259		259
STA. 22+81.30	LT. 12.0	16.6	34.4	38			
TOTAL				38	1,345		1,345

PORTLAND CEMENT CONCRETE SIDEWALK

LOCATION	PORTLAND CEMENT CONCRETE SIDEWALK 4 INCH, SPECIAL		PORTLAND CEMENT CONCRETE SIDEWALK 6 INCH, SPECIAL		PORTLAND CEMENT CONCRETE SIDEWALK 8 INCH, SPECIAL		PAVEMENT FABRIC
	SQ FT	SQ YD	SQ FT	SQ YD	SQ FT	SQ YD	
STA. 14+80.00	LT. TO 19+50.00 LT.				3,290		366
STA. 19+50.00	LT. TO 22+73.00 LT.	2,261					
STA. 22+73.00	LT. TO 22+90.00 LT.		119				13
STA. 22+90.00	LT. TO 24+10.00 LT.	840					
TOTAL		3,101	119		3,290		379

BITUMINOUS MATERIALS

LOCATION	AGGREGATE BASE COURSE, TYPE B, 8" TON		BITUMINOUS MATERIALS (PRIME COAT) GAL		AGGREGATE (PRIME COAT) TON	HOT-MIX ASPHALT BINDER COURSE, IL-19.0, N50 TON	HOT-MIX ASPHALT SURFACE COURSE, MIX "C", N50 TON	INCIDENTAL HOT-MIX ASPHALT SURFACING, 4" TON	BITUMINOUS MATERIALS (PRIME COAT) GAL	TEMPORARY PAVEMENT SQ YD
	MC-30	RC-70	MC-30	RC-70						
STA. 14+50.00	TO 20+72.00	305		268						670
STA. 24+10.00	TO 25+70.00	74		65						163
STA. 23+60.00	TO 24+10.00	85		63	1	20	16	3	5	
TOTAL		464		396	1	20	16	3	5	833

CONCRETE PAVEMENT AND CURB & GUTTER

LOCATION	SUB-BASE GRANULAR MATERIAL, TYPE B, 12" TON		PORTLAND CEMENT CONCRETE PAVEMENT 10" SQ YD		HIGH-EARLY-STRENGTH PORTLAND CEMENT CONCRETE PAVEMENT 10" SQ YD		PROTECTIVE COAT SQ YD	COMBINATION CONCRETE CURB AND GUTTER, TYPE B-6.18 FOOT		COMBINATION CONCRETE CURB AND GUTTER, TYPE B-6.24 FOOT		COMBINATION CURB AND GUTTER REMOVAL FOOT		PAVEMENT REMOVAL SQ YD
	TON	SQ YD	SQ YD	SQ YD	FOOT	FOOT		FOOT	FOOT					
STA. 11+20.00	RT. TO 11+30.00 RT.						3			10		10		
STA. 13+90.00	RT. TO 14+00.00 RT.						3			10		10		
STA. 14+80.00	TO 23+60.00	3,042		3,956			4,582	105		2,100		1,205		67
STA. 21+58.00	TO 23+73.00				189		189							
TOTAL		3,042		3,956		189	4,771	105		2,100		1,205		67

CLASS C PATCHES, TYPE III, 10 INCH

LOCATION		SQ YD	SUB-BASE GRANULAR MATERIAL, TYPE B, 12" TON
STA. 11+22.00	RT. TO 11+28.00 RT.	17	12
TOTAL		17	12

CLASS C PATCHES, TYPE IV, 10 INCH

LOCATION		SQ YD	SUB-BASE GRANULAR MATERIAL, TYPE B, 12" TON
STA. 13+80.00	RT. TO 14+80.00 RT.	167	114
TOTAL		167	114

AGGREGATE SHOULDERS, TYPE B, 4"

LOCATION		TON
STA. 24+10.00	RT. TO 24+60.00 RT.	5
TOTAL		5

COMBINATION CONCRETE CURB AND GUTTER OUTLET, SPECIAL

LOCATION		EACH
STA. 24+13.00	20' LT.	1
STA. 24+13.00	20' RT.	1
TOTAL		2

PERMANENT SURVEY MARKERS, TYPE I

LOCATION		EACH
STA. 22+67.91	0' RT.	1
TOTAL		1

SIGN PANEL, TYPE 1 & TELESCOPING STEEL SIGN SUPPORT

LOCATION	W1-4L 30"x30" EACH SQ FT		W1-8L 18"x24" EACH SQ FT		TELESCOPING STEEL SIGN SUPPORT FOOT
	SQ FT	SQ FT	SQ FT	SQ FT	
STA. 19+00.00	26' RT.	1	6.25		15.5
STA. 24+20.00	20' RT.			1	3.00
STA. 24+60.00	12' RT.			1	3.00
SIGN PANEL, TYPE 1 (SQ FT)					12.25
TELESCOPING STEEL SIGN SUPPORT					43.5'

*REFERENCE ILLINOIS MUTCD LATEST EDITION FOR ABOVE SIGN CALLOUTS

TEMPORARY CONCRETE BARRIERS

LOCATION	TEMPORARY CONCRETE BARRIER FOOT		RELOCATE TEMPORARY CONCRETE BARRIER FOOT	
	FOOT	FOOT	FOOT	FOOT
STAGE 1A	990			
STAGE 1B			400	
STAGE 2A			410	
STAGE 2B			160	
STAGE 3A			440	
STAGE 3B			310	
TOTAL		990	1,720	

TEMPORARY PAVEMENT MARKINGS

LOCATION	TEMPORARY PAVEMENT MARKING - LINE 4" FOOT		TEMPORARY PAVEMENT MARKING - LINE 24" FOOT		WORK ZONE PAVEMENT MARKING REMOVAL SQ FT
	FOOT	FOOT	FOOT	FOOT	
STAGE 1A	2,700		20		433
STAGE 1B	1,150		12		427
STAGE 2A	1,525				
STAGE 2B					775
STAGE 3A	1,440				
STAGE 3B					
TOTAL		6,815	32		1,635

EPOXY PAVEMENT MARKING - LETTERS AND SYMBOLS

LOCATION		SQ. FT.
STA. 14+90.00	TO 19+80.00	94
TOTAL		94

EPOXY PAVEMENT MARKING - LINE 4"

LOCATION		FOOT
STA. 13+00.00	TO 14+90.00	740
STA. 14+90.00	TO 19+80.00	1225
STA. 19+80.00	TO 24+60.00	3030
TOTAL		4995

EPOXY PAVEMENT MARKING - LINE 12"

LOCATION		FOOT
STA. 13+00.00	TO 14+90.00	80
STA. 19+80.00	TO 23+06.00	460
TOTAL		540

PAVEMENT MARKING REMOVAL

LOCATION		SQ. FT.
STA. 13+00.00	TO 14+80.00	820
TOTAL		820

DRIVEWAY PAVEMENT REMOVAL

LOCATION		SQ YD
STA. 15+44.80	LT.	240
STA. 16+91.80	LT.	330
STA. 18+96.00	LT.	350
TOTAL		920

SIDEWALK REMOVAL

LOCATION		SQ FT
STA. 14+90.00	LT. TO 15+07.00 LT.	108
STA. 15+83.00	LT. TO 16+53.00 LT.	405
STA. 17+30.00	LT. TO 18+30.00 LT.	558
STA. 19+34.00	LT. TO 19+43.00 LT.	559
TOTAL		1,630

DETECTABLE WARNINGS

LOCATION		SQ FT
STA. 14+92.00	26' LT.	10
STA. 15+05.00	26' LT.	10
STA. 15+94.00	26' LT.	10
STA. 16+42.00	26' LT.	10
STA. 17+39.00	26' LT.	10
STA. 18+50.00	26' LT.	10
STA. 19+36.00	26' LT.	10
TOTAL		70

IL 45 TO EAST OF BOX
PLOT BY: EFFINGHAM/2003/0090138.00-Rickelman Ave/Dgp/

FILE NAME 0090138_Schd-Quant-west.dgn	USER NAME #USER#	DESIGNED PSA	REVISED -	CITY OF EFFINGHAM	RICKELMAN AVE (FAU 8376) SECTION 07-00112-00-PV SCHEDULE OF QUANTITIES	F.A.U. R.T.E. 8376	SECTION 07-00112-00-PV	COUNTY EFFINGHAM	TOTAL SHEETS 53	SHEET NO. 6	CONTRACT NO. 95635
PLOT SCALE #SCALE#	CHECKED PJM	REVISIONS -	REVISIONS -			SCALE: N.T.S.	SHEET NO. OF SHEETS STA. 13+80.0 TO STA. 24+60.0	FED. ROAD DIST. NO. ILLINOIS	FED. AID PROJECT		
PLOT DATE 10/19/2010	DATE 10/19/10	REVISIONS -	REVISIONS -			CONSULTING ENGINEERS - 104 NORTH SECOND STREET, SUITE A, EFFINGHAM, IL 62401 (217)342-5668 / (217)342-5853 FAX					

EXISTING DRAINAGE STRUCTURE SCHEDULE

STRUCTURE NUMBER	STATION	OFFSET (FEET)	STRUCTURE TYPE						LID OR FLOWLINE OF GRATE ELEVATION	UPSTREAM INVERT ELEVATION	DOWNSTREAM INVERT ELEVATION	COMMENTS
			INLET			MANHOLES						
			T3 F&G	TY 8 GR	TY 9 F&G	T1 F	T3 F&G	TY 8 GR				
1	10+89.8	39.9' RT	1						FL=604.17	601.77(SW)		
2	11+09.1	43.5' LT	1						FL=604.14	599.24(E)		
3	11+36.6	44.9' LT				1			RIM=603.98	598.78(N,W)		
4	12+01.3	29.5' RT		1					RIM=602.92	601.02(N)		
5	12+01.3	22.8' RT	1						FL=603.72	600.87(S)		
6	12+00.7	22.8' LT	1						FL=603.73	600.45(S)		
7	12+02.0	35.4' LT				1			RIM=603.85	600.05(S); 596.92 (W)		
8	12+47.3	52.1' LT	1						FL=602.76	598.76(N)		
9	13+50.0	29.4' RT		1					RIM=600.65	598.65(N)		
10	13+49.5	22.6' RT	1						FL=602.09	598.67(S)		
11	13+49.3	22.6' LT	1						FL=602.02	598.12(S)		
12	13+49.8	34.8' LT					1		RIM=602.10	599.30(NE); 595.60(S,W)		
13	14+07.4	35.6' LT	1						FL=601.47	594.89(W)		
14	14+98.5	22.4' LT	1						FL=599.33	594.63(N)	TO BE REMOVED	
15	15+46.1	25.2' RT		1					RIM=598.41	595.06(E)	TO BE REMOVED	
16	15+82.9	36.6' LT					1		FL=598.97	593.32(W)		
17	15+92.6	28.1' LT					1		RIM=598.80	593.50(S); 593.05(N)	TO BE ADJUSTED	
18	15+94.7	38.6' LT					1		RIM=599.40	593.05(W)	TO BE ADJUSTED	
19	15+95.3	17.8' LT	1						FL=597.65	594.27(S,E)	PLUG INV(E)	
20	15+95.7	17.0' RT			1				FL=597.55	594.90(S)	TO BE REMOVED	
21	16+01.7	17.5' LT	1						FL=597.53	594.68(W)	TO BE REMOVED	
22	16+41.2	48.4' LT						1	FL=598.60	595.10(N,W)		
23	16+76.6	23.1' RT					1		RIM=596.91	593.46(E); 593.16(NE); 590.18(N)		
24	16+79.3	27.7' LT					1		RIM=597.77	592.17(W); 590.67(N); 590.57(E)	TO BE ADJUSTED	
25	16+82.3	14.8' LT			1				FL=596.54	594.24(E)	TO BE REMOVED	
26	16+82.1	14.7' RT			1				FL=596.47	593.91(E); 593.97(N)	TO BE REMOVED	
27	16+88.5	14.6' LT			1				FL=596.57		TO BE REMOVED	
28	16+87.2	14.8' RT			1				FL=596.47	594.12(W)	TO BE REMOVED	
29	16+88.1	20.0' RT		1					RIM=596.36	593.56(SW)	TO BE REMOVED	
30	17+42.9	40.5' LT					1		FL=598.27	594.62(W)		
31	18+46.2	40.5' LT					1		FL=598.67	594.17(W)		
32	18+46.5	29.4' LT					1		RIM=598.58	591.53(E)	TO BE ADJUSTED	
33	19+89.3	32.4' LT					1		FL=597.72	593.47(W)		
34	21+43.4	26.0' LT					1		RIM=597.15	592.15(NE)	TO BE ADJUSTED	
35	22+16.1	69.6' LT					1		RIM=597.79	592.79(NE)	DROP STRUCTURE	
36	24+79.8	25.5' LT		1					RIM=596.13	594.13(E)	TO BE REMOVED	
TOTAL			11	5	5	8	5	2				

PROPOSED DRAINAGE STRUCTURE SCHEDULE

STRUCTURE NUMBER	STATION	OFFSET (FEET)	PRECAST REINFORCED CONCRETE FLARED END SECTIONS 15" (EACH)	INLET AND PIPE PROTECTION (EACH)	INLET FILTERS (EACH)	STRUCTURE TYPE						FRAME AND GRATE ELEVATION	UPSTREAM INVERT ELEVATION	DOWNSTREAM INVERT ELEVATION	COMMENTS
						INLETS (EACH)			MANHOLES (EACH)						
						TY A T3 F&G	TY A T9 F&G	TY A SPL GR	TY B T3 F&G	TY A 4' DIA T1 F, CUD	TY A 5' DIA T9 F&G				
100	14+98.00	22.58' LT		1	1						TC=599.82		594.63(N)	CONNECT TO EXISTING PIPE	
101	15+32.00	22.58' RT		1	1	1					TC=599.25		595.66(E)		
102	15+95.70	17.00' RT		1						1	TL=597.87	595.00(S); 595.04(W)	595.00(N)	W/ FLAT SLAB TOP	
103	16+70.00	22.58' RT		1	1	1					TC=597.58		593.45(S)		
104	16+79.00	22.58' LT		1	1					1	TG=597.16	593.28(E); 590.53(N)	590.53(S)	W/ FLAT SLAB TOP	
105	16+90.91	22.58' RT		1	1					1	TG=597.15		593.53(W)		
106	16+90.91	22.58' LT		1	1					1	TG=597.15	593.47(E)	593.37(W)		
107	17+00.00	22.58' LT		1	1					1	TG=597.16		593.54(W)		
108	20+05.00	38.50' RT	1	1									INV=593.33	AT OUTLET OF END SECTION	
109	20+05.00	22.58' RT		1	1						TC=597.46	593.67(N)	593.50(S)		
110	20+05.00	22.58' LT		1	1						TC=597.46	594.77(NE)	593.47(S)		
111	20+09.00	34.00' LT		1	1					1	TR=596.40		594.60(SW)		
112	21+50.00	22.58' RT		1	1	1					TC=596.74		592.74(N)		
113	21+50.00	22.58' LT		1	1						TC=596.74	592.32(S)	592.22(N)		
114	21+58.00	26.50' LT		1						1	TL=596.80	592.14(SW)	592.04(E)	W/ FLAT SLAB TOP	
115	22+50.00	22.58' RT		1	1	1					TC=596.24		592.24(N)		
116	22+50.00	22.58' LT		1	1					1	TC=596.24	591.82(S)	591.72(N)		
117	22+50.00	26.50' LT		1						1	TL=596.33	591.68(S); 591.16(W)	589.16(E)	W/ FLAT SLAB TOP	
118	23+37.50	22.58' RT		1	1	1					TC=595.86		589.04 (W)		
119	23+37.50	22.58' LT		1	1	1					TC=595.86		591.29(E)		
120	23+46.50	22.58' LT		1	1					1	TC=595.87	591.22(W)	591.12(N)		
121	23+46.50	26.50' LT		1						1	TL=595.90	591.46(E); 591.08(S);	588.55(W)	W/ FLAT SLAB TOP	
124	25+00.00	25.50' LT		1							TL=597.70	593.93(S);	592.96(W)	W/ FLAT SLAB TOP/CONNECT TO EXISTING PIPE (E)	
TOTAL			1	23	17	7	3	1	5	5	1				

PIPE CULVERT REMOVAL

STA.	LOCATION	FOOT
20+05.00	LT. TO 20+06.00 RT.	45
22+68.00	LT. TO 22+94.00 RT.	26
24+04.00	LT. TO 25+00.00 LT.	96
TOTAL		167

STORM SEWER REMOVAL

FROM STRUCTURE	TO STRUCTURE	FOOT	TBF CU YD
21	19	6	3
26	23	10	5
25	26	29	10
27	25	6	2
28	26	5	2
29	23	12	6
TOTAL		68	28

REMOVING INLETS

STA.	LOCATION	EACH
14+98.50	22.4' LT.	1
15+46.10	25.2' RT.	1
15+95.70	17.0' RT.	1
16+01.70	17.5' LT.	1
16+82.30	14.8' LT.	1
16+82.10	14.7' RT.	1
16+88.50	14.6' LT.	1
16+87.20	14.8' RT.	1
16+88.10	20.0' RT.	1
24+79.80	25.5' LT.	1
TOTAL		10

PROPOSED DRAINAGE PIPE SCHEDULE

FROM STRUCTURE	INVERT ELEVATION	TO STRUCTURE	INVERT ELEVATION	PIPE SLOPE %	STORM SEWER, RUBBER GASKET, CLASS A				STORM SEWER, WATER MAIN QUALITY PIPE		TRENCH BACKFILL (CU YD)	COMMENTS
					12"		15"	18"	12"			
					TYPE 1	TYPE 2	TYPE 1	TYPE 2	TYPE 1	TYPE 2		
101	595.66	102	595.04	1.00%	62						15	
103	593.45	23	593.40	1.00%	5						1	
105	593.53	23	593.40	1.00%	13						4	
107	593.54	106	593.47	1.00%	7						2	
106	593.37	104	593.28	1.00%	9						3	
111	594.60	110	594.47	0.70%			12				1	
110	593.72	109	593.43	0.70%			42				11	
109	593.50	108	593.38	0.80%			15				0	
112	592.74	113	592.32	1.00%	42						13	
113	592.22	114	592.14	1.00%	8						3	
114	592.04	117	591.16	1.00%		88					61	
115	592.24	116	591.82	1.00%	42						13	
116	591.72	117	591.68	1.00%	4						2	
117	589.16	BOX	588.55	1.00%					61		64	
S. OF 124	593.97	124	593.93	1.00%		4					1	
124	592.96	121	591.46	1.00%				150			97	
118	589.04	BOX	589.00	1.00%		4					0	
119	591.29	120	591.22	1.00%		7					0	
120	591.12	121	591.08	1.00%		4					0	
121	588.55	BOX	588.40	1.25%				12			14	
123	593.97	124	593.93	1.00%		4					2	
TOTAL					192	111	69	162	61		307	

MANHOLES TO BE ADJUSTED

STA.	LOCATION	EACH
15+92.60	28.1' LT.	1
15+94.70	38.6' LT.	1
16+79.30	27.7' LT.	1
18+46.50	29.4' LT.	1
19+19.10	44.5' LT.	1
21+43.40	26.0' LT.	1
23+02.30	44.3' LT.	1
TOTAL		7

VALVE BOXES TO BE ADJUSTED

STA.	LOCATION	EACH
20+56.00	31.5' RT.	1
20+58.00	33.5' RT.	1
TOTAL		2

IL 45 TO EAST OF BOX
Project: Effingham/2009/0030198-00-Rickelman Ave/CDpr/

FILE NAME = 0090198_Sched-Quant-west.dgn	USER NAME = #USER#	DESIGNED - PSA	REVISED -	CITY OF EFFINGHAM	RICKELMAN AVE (FAU 8376) SECTION 07-00112-00-PV	F.A.U. RTE. 8376	SECTION 07-00112-00-PV	COUNTY EFFINGHAM	TOTAL SHEETS 53	SHEET NO. 7	
PLOT SCALE = #SCALE#	CHECKED - PJM	REVISED -	SCALE: N.T.S.			SHEET NO. OF SHEETS	STA. 13+80.0 TO STA. 24+60.0	FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT	CONTRACT NO. 95635
PLOT DATE = 10/19/2010	DATE = 10/19/10	REVISED -	CONSULTING ENGINEERS - 104 NORTH SECOND STREET, SUITE A, EFFINGHAM, IL 62401 (217)342-5668 / (217)342-5853 FAX								

WATER MAIN 4"

LOCATION		FOOT
STA. 13+95.00 RT.	TO 13+95.00 RT.	11
TOTAL		11

WATER MAIN 6"

LOCATION		FOOT
STA. 20+59.00 RT.	TO 20+59.00 RT.	9
TOTAL		9

WATER MAIN 10"

LOCATION		FOOT
STA. 11+26.00 RT.	TO 11+26.00 RT.	21
STA. 11+26.00 RT.	TO 16+00.00 RT.	481
STA. 16+00.00 RT.	TO 22+00.00 RT.	600
STA. 22+00.00 RT.	TO 24+18.00 RT.	235
TOTAL		1,337

WATER VALVES 4"

LOCATION	EACH
STA. 13+95.00 27' RT.	1
TOTAL	1

WATER VALVES 6"

LOCATION	EACH
STA. 20+59.00 27' RT.	1
TOTAL	1

WATER VALVES 10"

LOCATION	EACH
STA. 11+29.00 40' RT.	1
STA. 18+05.00 27' RT.	1
STA. 24+00.00 27' RT.	2
TOTAL	4

TAPPING VALVES AND SLEEVES 6"

LOCATION	EACH
STA. 11+23.00 38' RT.	1
TOTAL	1

WATER SERVICE LINE 1"

LOCATION		FOOT
STA. 16+57.00 RT.	TO 15+67.00 RT.	12
STA. 22+86.00 RT.	TO 22+85.00 RT.	9
TOTAL		21

FIRE HYDRANT WITH AUXILIARY VALVE AND VALVE BOX

LOCATION	EACH
STA. 14+50.00 27' RT.	1
STA. 18+10.00 27' RT.	1
STA. 21+00.00 27' RT.	1
STA. 23+87.00 27' RT.	1
TOTAL	4

CUT AND CAP EXISTING WATER MAIN

LOCATION	EACH
STA. 11+21.00 35' RT.	1
TOTAL	1

CONNECTION TO EXISTING WATER MAIN

LOCATION		EACH
STA. 11+24.00	19' RT.	1
STA. 20+59.00	27' RT.	1
STA. 24+00.00	18' RT.	1
TOTAL		3

WATER SERVICE CONNECTION 1"

LOCATION		EACH
STA. 16+57.00	27' RT.	1
STA. 22+86.00	31' RT.	1
TOTAL		2

WATER SERVICE CONNECTION 2.5"

LOCATION		EACH
STA. 13+95.00	27' RT.	1
TOTAL		1

WATER MAIN CASING PIPE

LOCATION		FOOT
STA. 11+44.00 RT.	TO 11+66.00 RT.	22
STA. 11+90.00 RT.	TO 12+12.00 RT.	22
STA. 12+75.00 RT.	TO 12+97.00 RT.	22
STA. 13+39.00 RT.	TO 13+61.00 RT.	22
STA. 15+22.00 RT.	TO 16+09.00 RT.	87
STA. 15+58.00 RT.	TO 17+03.00 RT.	45
STA. 19+08.00 RT.	TO 19+30.00 RT.	22
STA. 19+94.00 RT.	TO 20+16.00 RT.	22
STA. 21+39.00 RT.	TO 21+61.00 RT.	22
STA. 22+39.00 RT.	TO 22+61.00 RT.	22
STA. 22+64.00 RT.	TO 22+82.00 RT.	18
TOTAL		326

TRENCH BACKFILL, WATERMAIN, SPECIAL

LOCATION		FOOT
STA. 11+29.00 RT.	TO 11+29.00 RT.	15
STA. 15+14.00 RT.	TO 16+00.00 RT.	86
STA. 16+00.00 RT.	TO 18+41.00 RT.	241
TOTAL		342

MANHOLES, SANITARY, 4'-DIAMETER, TYPE 1 FRAME, CLOSED LID

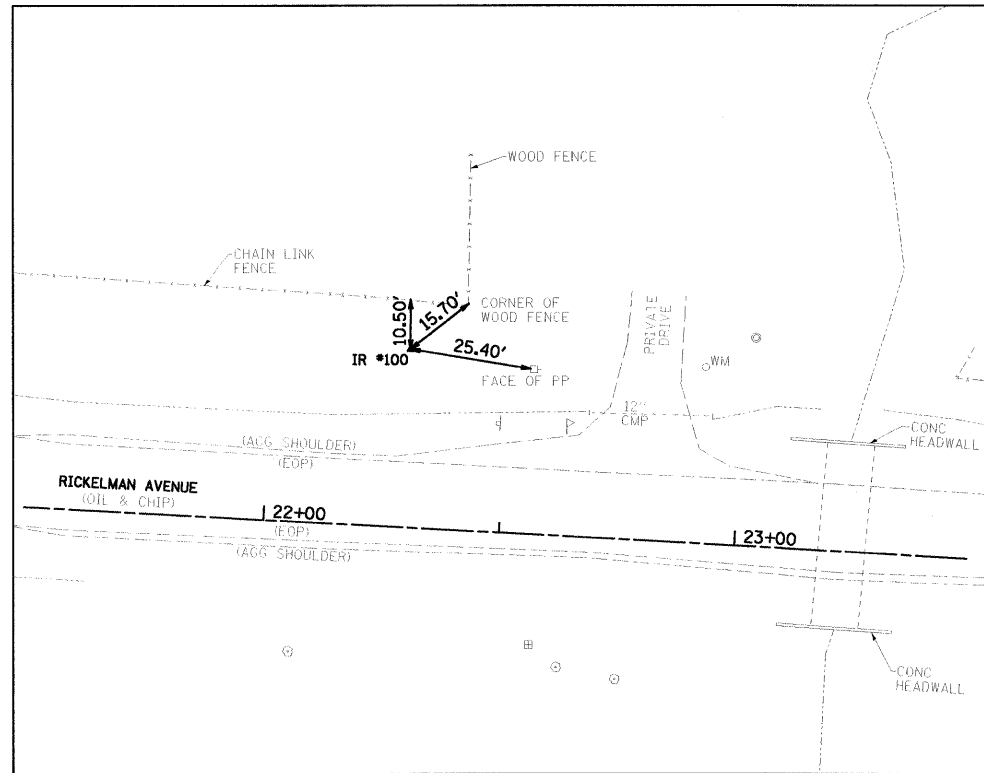
LOCATION		EACH
STA. 19+19.00	35' RT.	1
TOTAL		1

SANITARY SEWER 12"

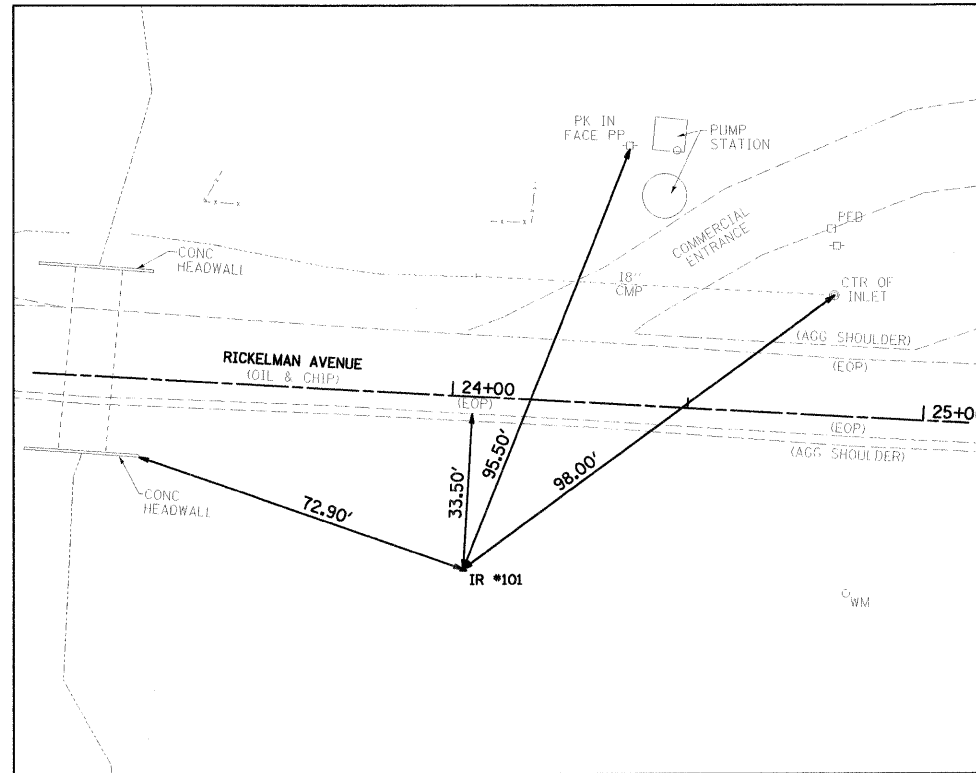
LOCATION		FOOT	TBF	CU YD
STA. 19+19.00 RT.	TO 19+19.00 LT.	80	99	
STA. 19+19.00 RT.	TO 19+19.00 RT.	2	0	
TOTAL		82	99	

IL 45 TO EAST OF BOX
 pr.ctb of Effingham\2009\090198-00-RickelmanAve\09p1

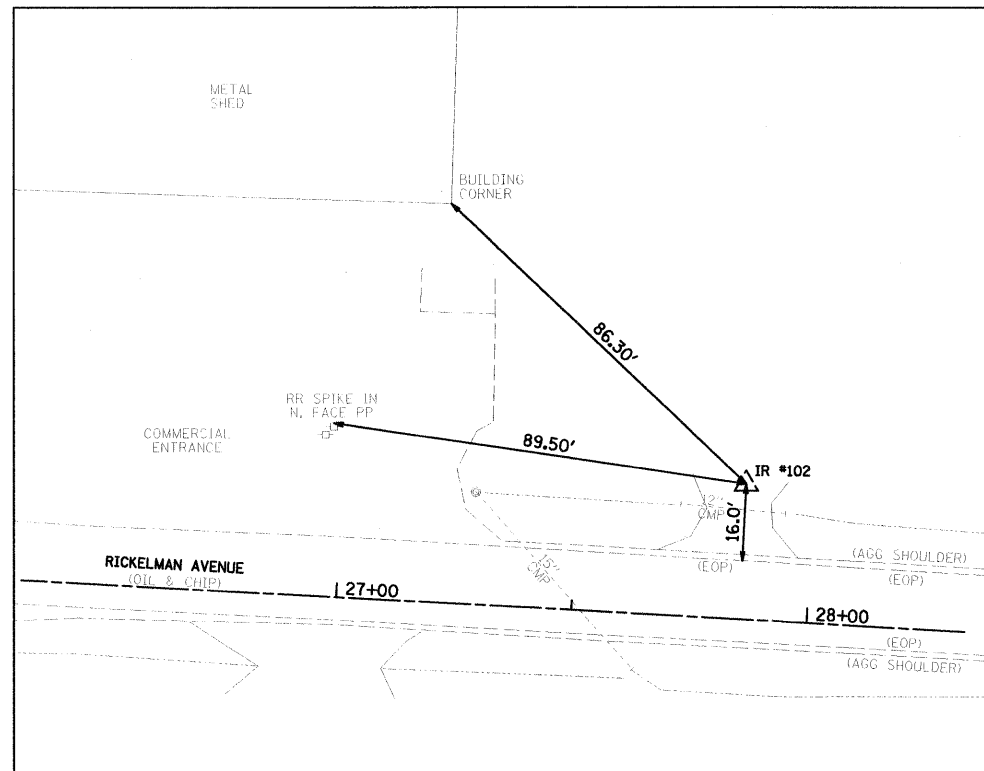
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PLOT SCALE = #SCALE#	CHECKED - PJM	REVISED -	SCALE: N.T.S.			SHEET NO. OF SHEETS	STA. 13+80.0 TO STA. 24+60.0	FED. ROAD DIST. NO. [ILLINOIS] FED. AID PROJECT		CONTRACT NO. 95635	
PLOT DATE = 10/19/2010	DATE - 10/19/10	REVISED -									
FARNSWORTH GROUP, INC.		CONSULTING ENGINEERS - 104 NORTH SECOND STREET, SUITE A, EFFINGHAM, IL 62401 (217)342-5668 / (217)342-5853 FAX									



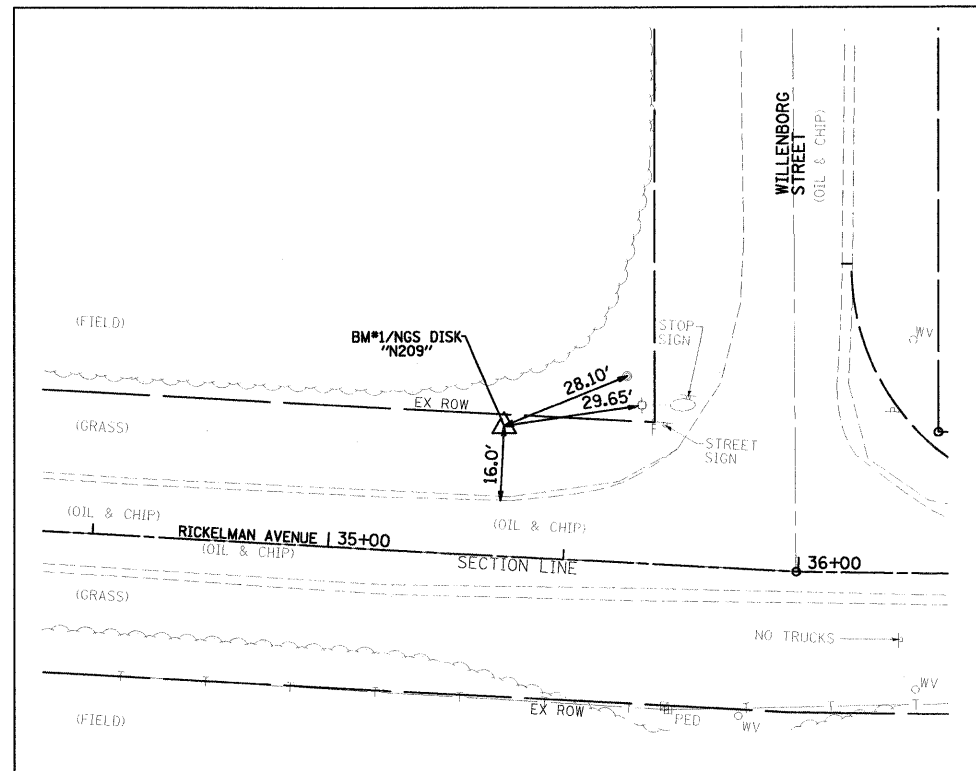
IRON ROD #100 / N 903846.875 / E 929039.194
STA. 22+29.2 / 38.0' LT



IRON ROD #101 / N 903762.750 / E 929209.914
STA. 24+04.3 / 36.7' RT



IRON ROD #102 / N 903807.091 / E 929594.241
STA. 27+85.6 / 28.7' LT



NGS DISK "N209" PID# KB0520 / N 903764.918 / E 930343.418
STA. 35+36.0 / 27.6' LT

BENCHMARKS:

1. NGS DISK "N209" PID# KB0520 IN THE NW QUAD OF RICKELMAN AVE. AND WILLENBURG ST. STA 35+36.0, 27.6' LT ELEV=607.44 (BK EFF-58/2)
2. RR SPIKE IN POWER POLE, FIFTH POLE WEST OF WILLENBURG ST. STA 26+97.6, 36.0' LT ELEV=605.13 (BK EFF-58/2)
3. TOP CAP BOLT OF FIRE HYDRANT ON SOUTH SIDE OF RICKELMAN AVE. IN FRONT OF HOUSE #805 STA 25+60.6, 22.7' RT ELEV=604.03 (BK EFF-58/2)
4. TOP OPERATING NUT OF FIRE HYDRANT ON NORTH SIDE OF RICKELMAN AVE. AT SE CORNER OF "PILOT FUEL" SEMI PARKING LOT. STA 20+23.7, 32.2' LT ELEV=599.75 (BK EFF-58/2)
5. TOP CENTER BOLT OF FIRE HYDRANT IN THE NE QUAD OF U.S. ROUTE 45 AND RICKELMAN AVE STA 11+31.2, 28.8' LT ELEV=607.54 (BK EFF-58/2)



NOT TO SCALE

BASELINE AND PROPOSED C COORDINATES			
DESCRIPTION	STATION	NORTHING	EASTING
IMPROVEMENT BEGINS	13+80.00	903,855.45	928,189.16
PROP STRUCTURE	23+23.00	903,803.81	929,130.74
WILLENBURG STREET	35+99.52	903,733.91	930,405.35
IMPROVEMENT ENDS	38+90.00	903,729.55	930,695.79

IL 45 TO EAST OF BOX

FILE NAME - 0070198_ControlTies.wsdwg	USER NAME - #USER#	DESIGNED - PSA	REVISED -	CITY OF EFFINGHAM	RICKELMAN AVE (FAU 8376) SECTION 07-00112-00-PV CONTROL AND SURVEY TIES	F.A.U. RTE. 8376	SECTION 07-00112-00-PV	COUNTY EFFINGHAM	TOTAL SHEETS 53	SHEET NO. 9	
PLOT SCALE - #SCALE#	CHECKED - PJM	DRAWN - JTC	REVISED -			SCALE: N.T.S.	SHEET NO. OF SHEETS	STA. 13+80.00 TO STA. 24+10.00	FED. ROAD DIST. NO.	ILLINOIS FED. AID PROJECT	CONTRACT NO. 95635
PLOT DATE - 10/19/2010	DATE 10/19/10	CHECKED - PJM	REVISED -								
		DATE 10/19/10	REVISED -								

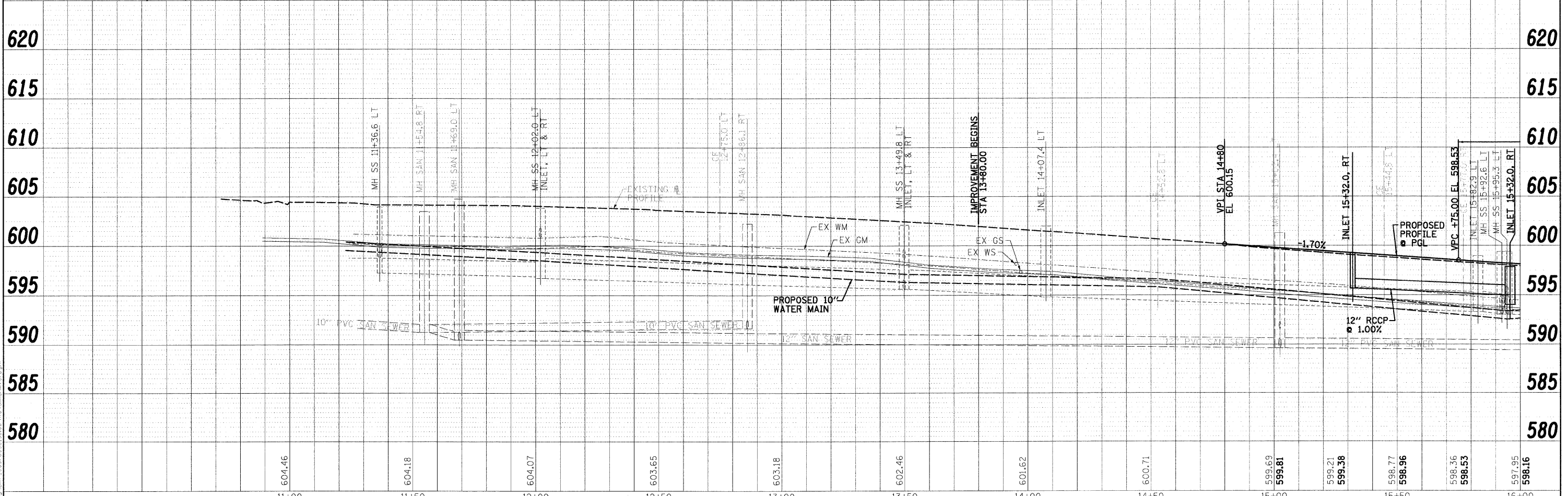
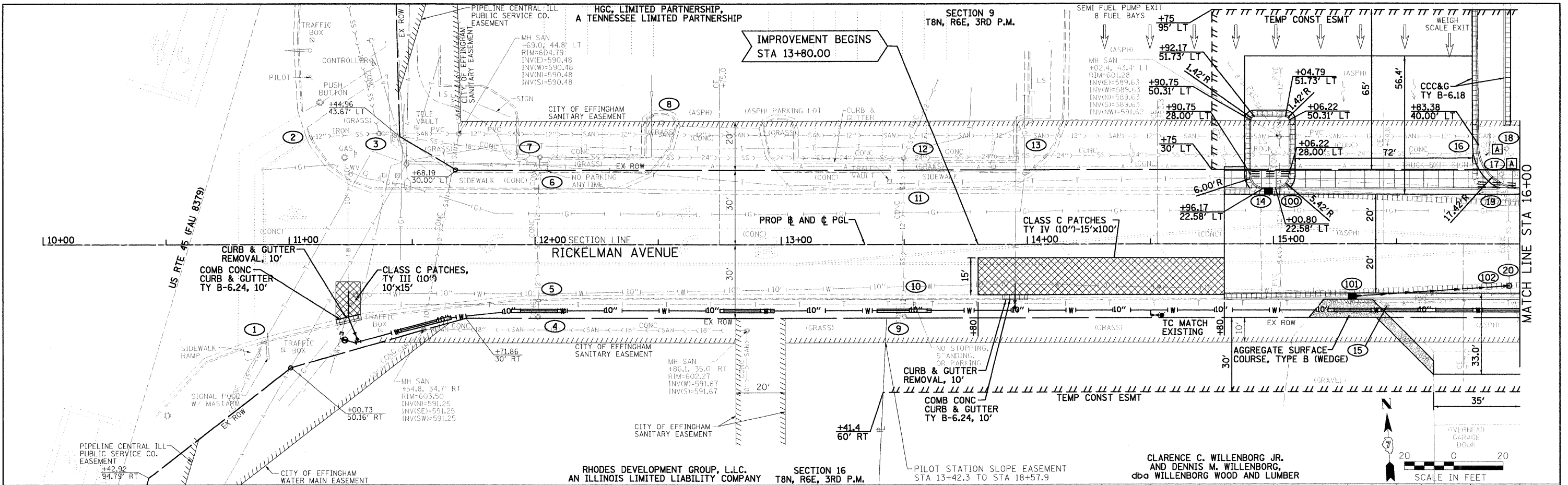
FARNSWORTH GROUP, INC.

CONSULTING ENGINEERS - 104 NORTH SECOND STREET, SUITE A, EFFINGHAM, IL 62401 (217)342-5668 / (217)342-5853 FAX

DATE	
DESIGNED	PSA
DRAWN	JTC
CHECKED	PJM
DATE	10/19/10

FILE NAME	80940190_P81-westLdgn
USER NAME	#USER4
DESIGNED	PSA
DRAWN	JTC
CHECKED	PJM
DATE	10/19/10

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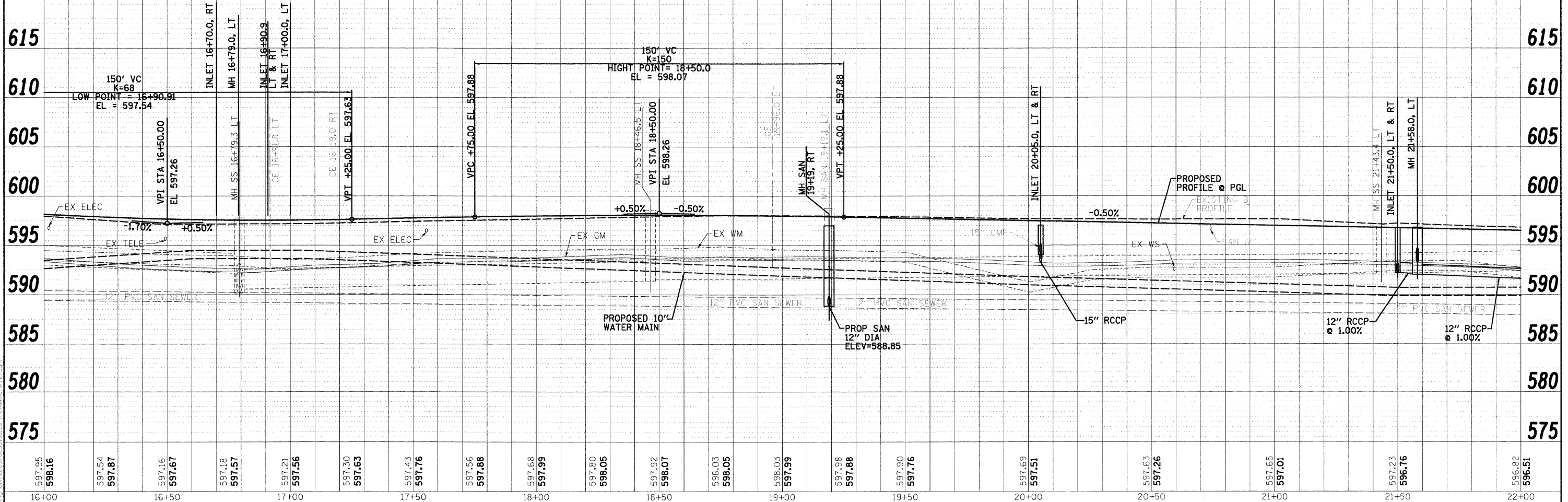
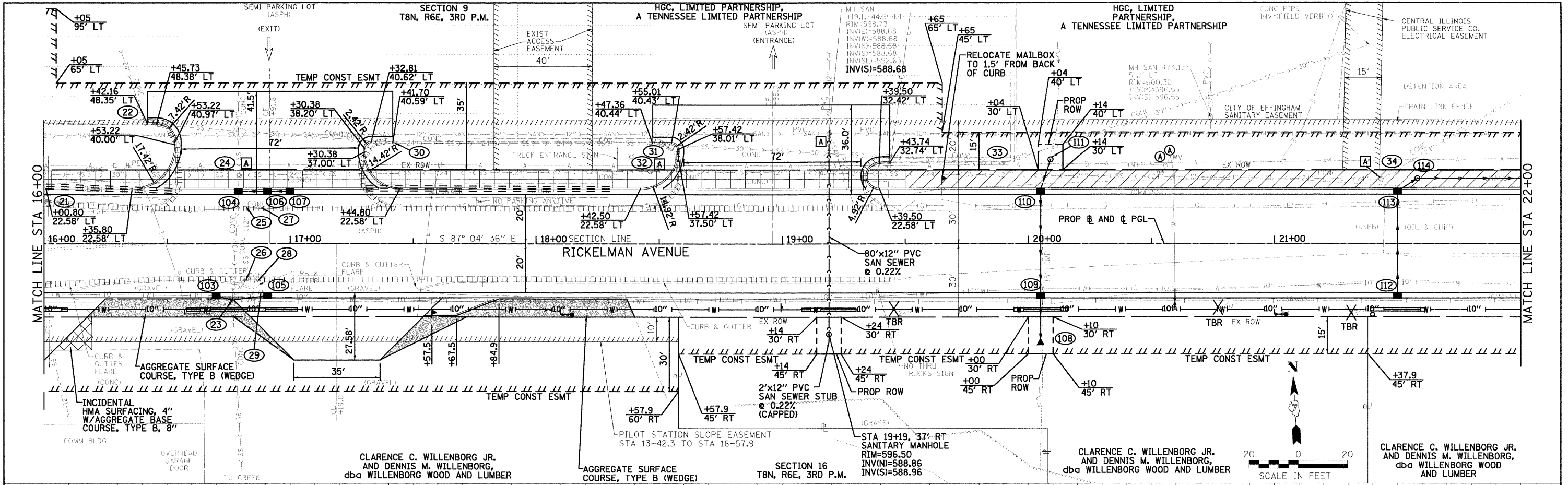


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PLOT DATE	10/19/2010	DATE	10/19/10	CHECKED	PJM	REVISED	-																
												CONTRACT NO. 95635											

PROJECT: RICKELMAN AVE (FAU 8376) SECTION 07-00112-00-PV
 DATE: 10/19/10
 DRAWN: JTC
 CHECKED: PJM
 DATE: 10/19/10

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 CHECKED: PJM
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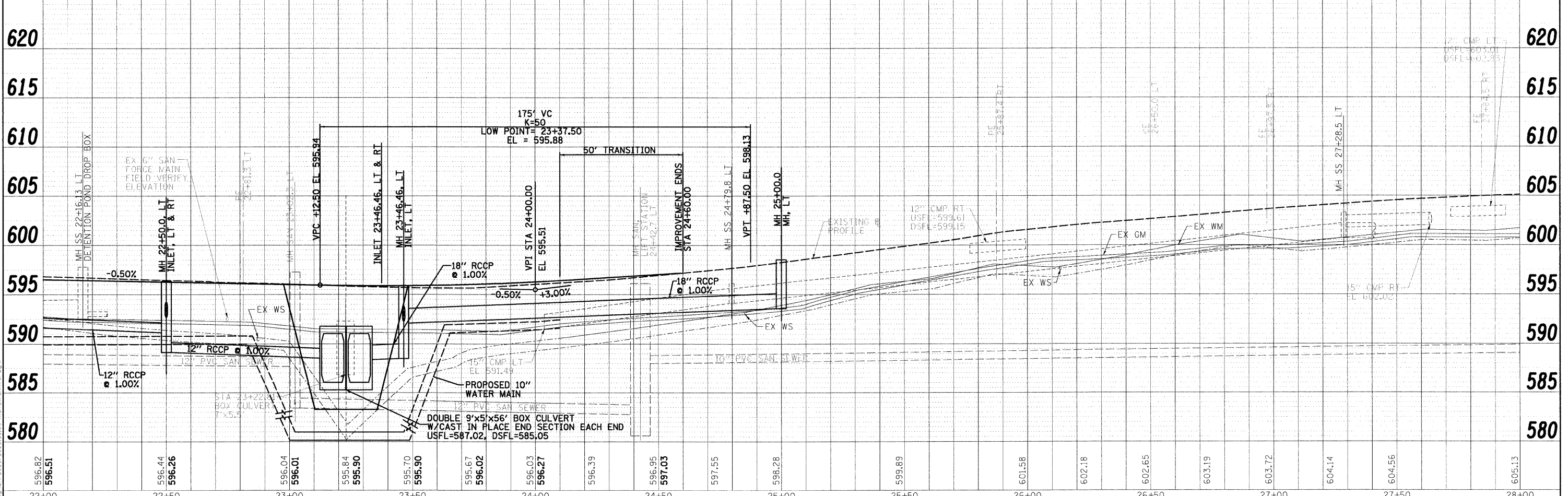
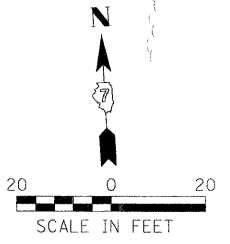
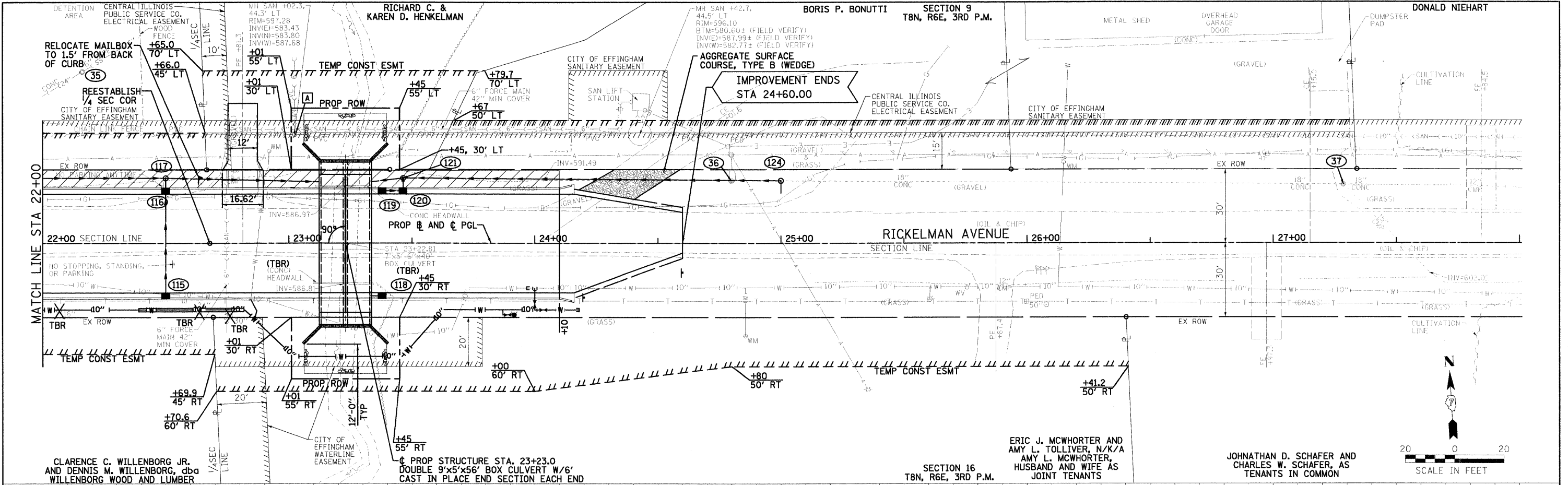
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16+00	16+50	16+50	16+50	17+00	17+00	17+00	17+00	17+00	17+50	17+50	17+50	17+50	17+50	18+00	18+00	18+00	18+00	18+00	18+50	18+50	18+50	18+50	18+50	19+00	19+00	19+00	19+00	19+50	19+50	20+00	20+00	20+50	20+50	21+00	21+00	21+00	21+50	21+50	22+00

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
8376	07-00112-00-PV	EFFINGHAM	53	11
FED. ROAD DIST. NO.	ILLINOIS FED. AID PROJECT	CONTRACT NO. 95635		

DATE	
REVISION	
BY	
CHECKED	
DATE	
NO.	
NAME	

PROJECT	
NO.	
DATE	
BY	
CHECKED	
DATE	
NO.	
NAME	

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




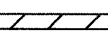


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PLOT SCALE = #SCALE#	CHECKED - PJM	REVISOR -	REVISOR -			SCALE: 1"=20'	SHEET NO. OF SHEETS	STA. 22+00 TO STA. 28+00	FED. ROAD DIST. NO.	ILLINOIS FED. AID PROJECT	CONTRACT NO. 95635
PLOT DATE = 10/19/2010	DATE = 10/19/10	DATE = 10/19/10	DATE =								
FARNSWORTH GROUP, INC. CONSULTING ENGINEERS - 104 NORTH SECOND STREET, SUITE A, EFFINGHAM, IL 62401 (217)342-5668 / (217)342-5853 FAX											

























NOTES

1. ALL WORK AND SIGNS SHALL BE IN ACCORDANCE WITH THE MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES FOR STREETS AND HIGHWAYS, CURRENT EDITION
2. ALL SIGNS TO REMAIN IN PLACE FOR LONGER THAN ONE WEEK SHALL BE POST MOUNTED UNLESS MOUNTED ON TYPE III BARRICADES. SIGNS INSTALLED ON TYPE III BARRICADES SHALL BE PLASTIC.
3. STORM SEWER BETWEEN STA 20+00 AND STA 22+10, SANITARY SEWER AND WATER MAIN WORK TO BE COMPLETED PRIOR TO THE START OF STAGE 1 WORK UTILIZING DAY TIME LANE CLOSURES ACCORDING TO STATE STANDARD 701501-05. TRENCHES THROUGH THE EXISTING PAVEMENT SHALL BE TEMPORARILY PATCHED WITH 4" OF HOT MIX OR COLD MIX BITUMINOUS MATERIAL INCLUDED IN THE COST OF TRAFFIC CONTROL COMPLETE.
4. PAVEMENT PATCHING WORK AT STA 11+30 AND BETWEEN STA 13+80 AND STA 14+80 SHALL BE COMPLETED PRIOR TO STAGE 1 WORK UTILIZING LANE CLOSURES ACCORDING TO STATE STANDARD 701502-03.
5. HMA TRANSITION PAVEMENT BETWEEN STA 24+10 AND STA 24+60 TO BE COMPLETED FOLLOWING COMPLETION OF STAGE 3B WORK.

LEGEND

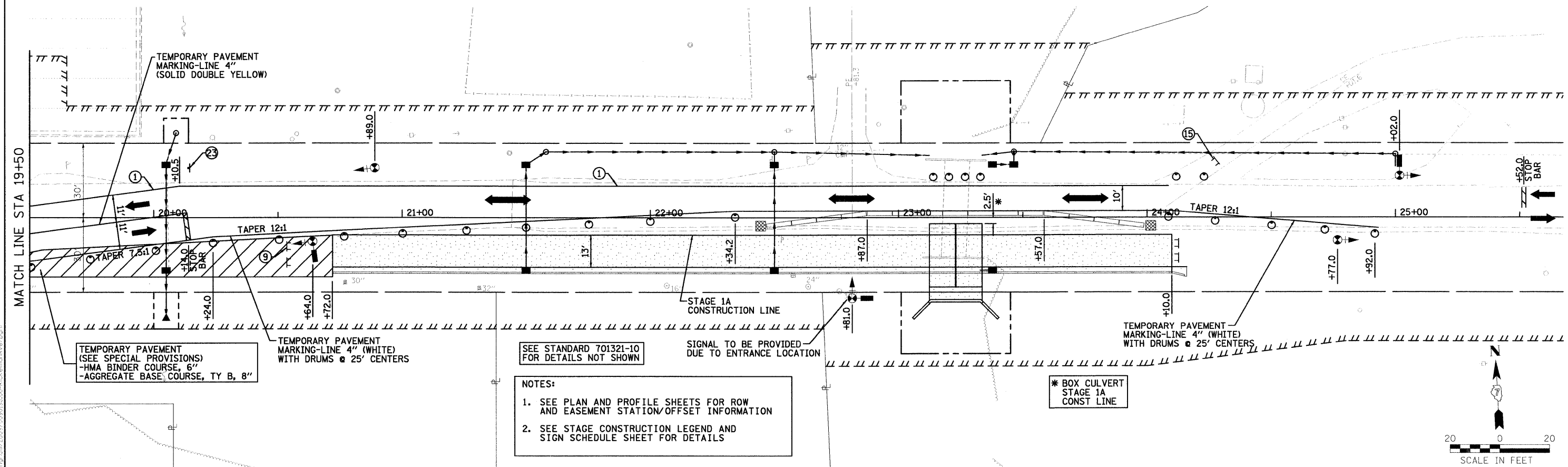
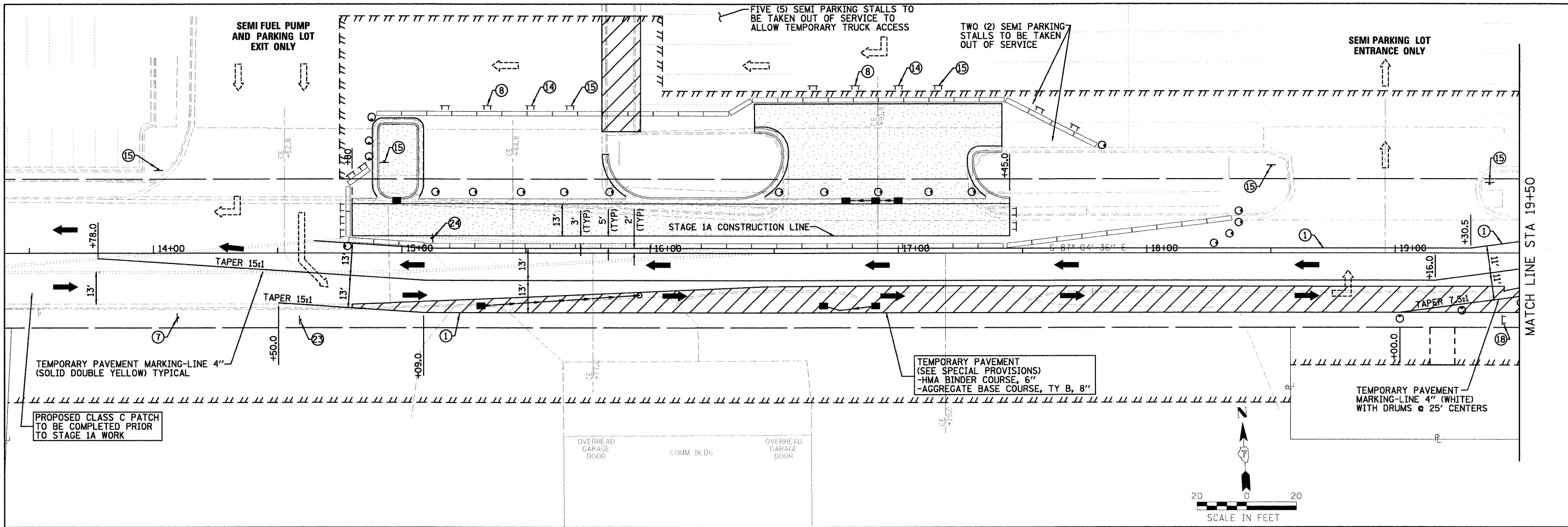
-  TEMPORARY PAVEMENT (SEE SPECIAL PROVISIONS)
-  SIGN
-  DRUM WITH BIDIRECTIONAL STEADY BURNING LIGHT
-  TYPE III BARRICADE W/STEADY BURNING LIGHTS
-  VERTICAL PANEL
-  P.G.L. PROFILE GRADE LINE
-  TEMPORARY CONCRETE BARRIER
-  TEMPORARY TRAFFIC SIGNAL WITH SIGNAL DIRECTION ON BACK PLATE & TC-26 MICROWAVE DETECTOR
-  MAINLINE TRAFFIC
-  PILOT TRUCK TRAFFIC
-  IMPACT ATTENUATORS
-  HIGH EARLY STRENGTH CONCRETE PAVEMENT
-  TEMPORARY AGGREGATE
-  PAVEMENT, CURB, DRIVEWAY AREAS TO BE COMPLETED EACH STAGE
-  TEMPORARY WHITE PAVEMENT MARKING - STOP BAR - 24"

STAGE CONSTRUCTION SIGN / PAVEMENT MARKING LEGEND

- ① TEMPORARY WHITE PAVEMENT MARKING - EDGE LINE - 4"
- ② TEMPORARY YELLOW PAVEMENT MARKING - EDGE LINE - 4"
- ③ TEMPORARY YELLOW TAPE PAVEMENT MARKING - EDGE LINE - 4"
- ④  W1-4L(0) 48"x48"
 W13-1(0) 24"x24"
- ⑤  W20-2(0) 48"x48"
- ⑥  W20-1(0) 48"x48"
- ⑦  W1-4R(0) 48"x48"
 W13-1(0) 24"x24"
- ⑧  W1-6R(0) 60"x30" (ABOVE BARRICADE)
- ⑨  R11-2 48"x30"
- ⑩  M4-9R 30"x24"
- ⑪  M4-9L 30"x24"
- ⑫  W8-2 30"x30"
- ⑬  R6-2 18"x24"
- ⑭  R6-2 18"x24"
- ⑮  R5-1 30"x30"
- ⑯  W20-3(0) 48"x48"
- ⑰  W20-3(0) 48"x48"
- ⑱  R11-4 60"x30"
- ⑲  R3-1 24"x24"
- ⑳  R3-7 30"x30"
- ㉑  INTERSTATE 57 70
- ㉒  USE STREET ENTRANCE 48"x30"
- ㉓  W6-3(0) 48"x48"
 W13-1(0) 24"x24"
- ㉔  W8-6(0) 48"x48"

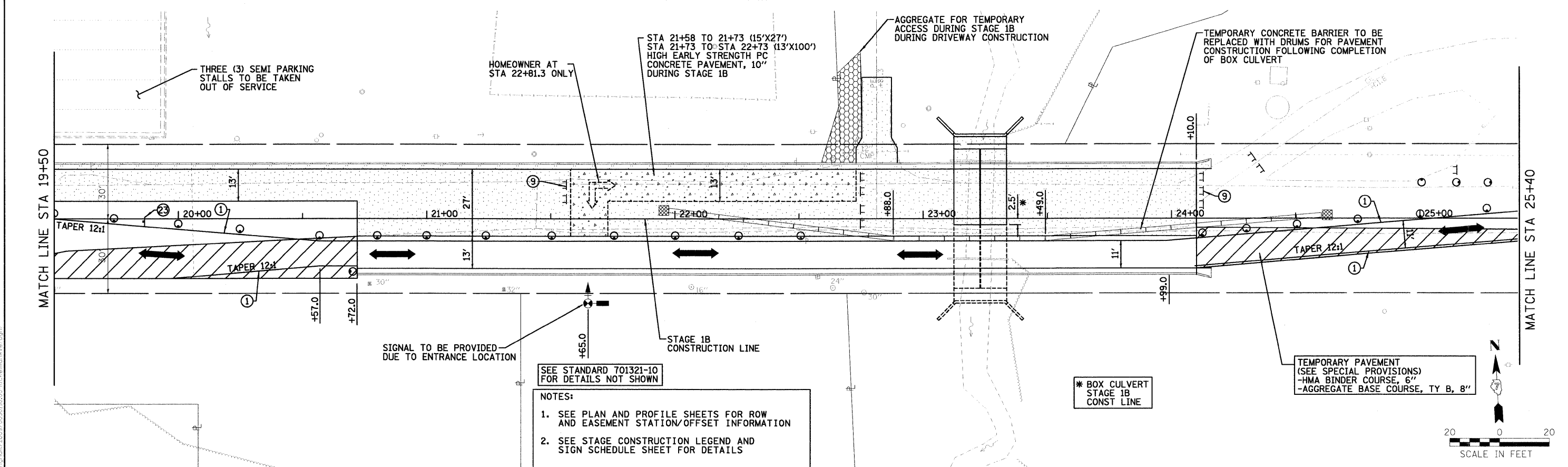
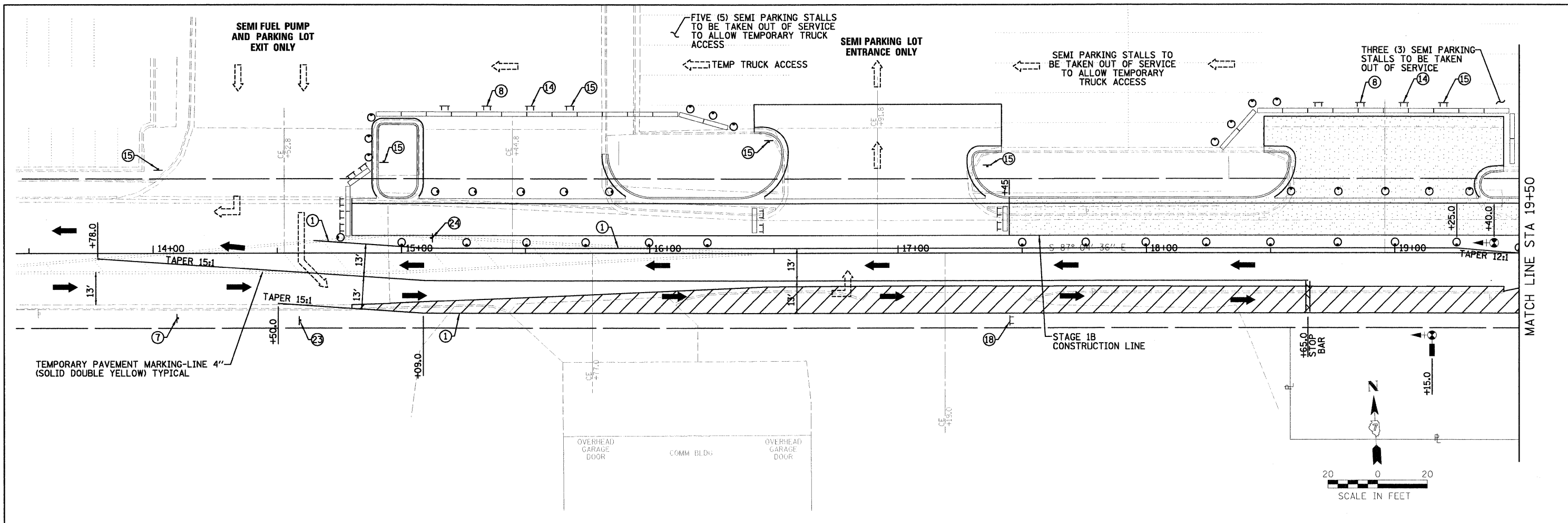
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FILE NAME - 0070198-STAGING-Details-west.dgn	USER NAME - #USER#	DESIGNED - PSA/ERB	REVISED -	CITY OF EFFINGHAM	RICKELMAN AVE (FAU 8376) SECTION 07-00112-00-PV STAGE CONSTRUCTION LEGEND AND SIGN SCHEDULE	F.A.U. RTE. 8376	SECTION 07-00112-00-PV	COUNTY EFFINGHAM	TOTAL SHEETS 53	SHEET NO. 13		
PLOT SCALE = 1/8"=1'-0"	CHECKED - PJM	DATE 10/19/10	REVISED -			SCALE: NTS	SHEET NO. OF SHEETS	STA. 13+80.0	TO STA. 24+60.0	CONTRACT NO. 95635		
PLOT DATE - 10/19/2010	DATE 10/19/10	REVISED -	REVISED -			FED. ROAD DIST. NO.			ILLINOIS FED. AID PROJECT			
FARNSWORTH GROUP, INC. CONSULTING ENGINEERS - 104 NORTH SECOND STREET, SUITE A, EFFINGHAM, IL 62401 (217)342-5668 / (217)342-5853 FAX												



IL 48 TO EAST OF BOX

FILE NAME 03/01/16-STAGING-16-west.dgn	USER NAME #USER#	DESIGNED PSA/ERB	REVISED -	CITY OF EFFINGHAM	RICKELMAN AVE (FAU 8376) SECTION 07-00112-00-PV STAGE 1A CONSTRUCTION PLAN	F.A.U. RTE. 8376	SECTION 07-00112-00-PV	COUNTY EFFINGHAM	TOTAL SHEETS 53	SHEET NO. 14	
PLOT SCALE #SCALE#	CHECKED PJM	DATE 10/19/10	REVISED -			SCALE: 1"=20'	SHEET NO. OF SHEETS	STA. 13+80.00 TO STA. 24+10.00	FED. ROAD DIST. NO.	ILLINOIS/FED. AID PROJECT	CONTRACT NO. 95635
PLOT DATE 10/19/2010	DATE 10/19/10	DATE 10/19/10	REVISED -								
						FARNSWORTH GROUP, INC. CONSULTING ENGINEERS - 104 NORTH SECOND STREET, SUITE A, EFFINGHAM, IL 62401 (217)342-5668 / (217)342-5853 FAX					



SEE STANDARD 701321-10 FOR DETAILS NOT SHOWN

NOTES:

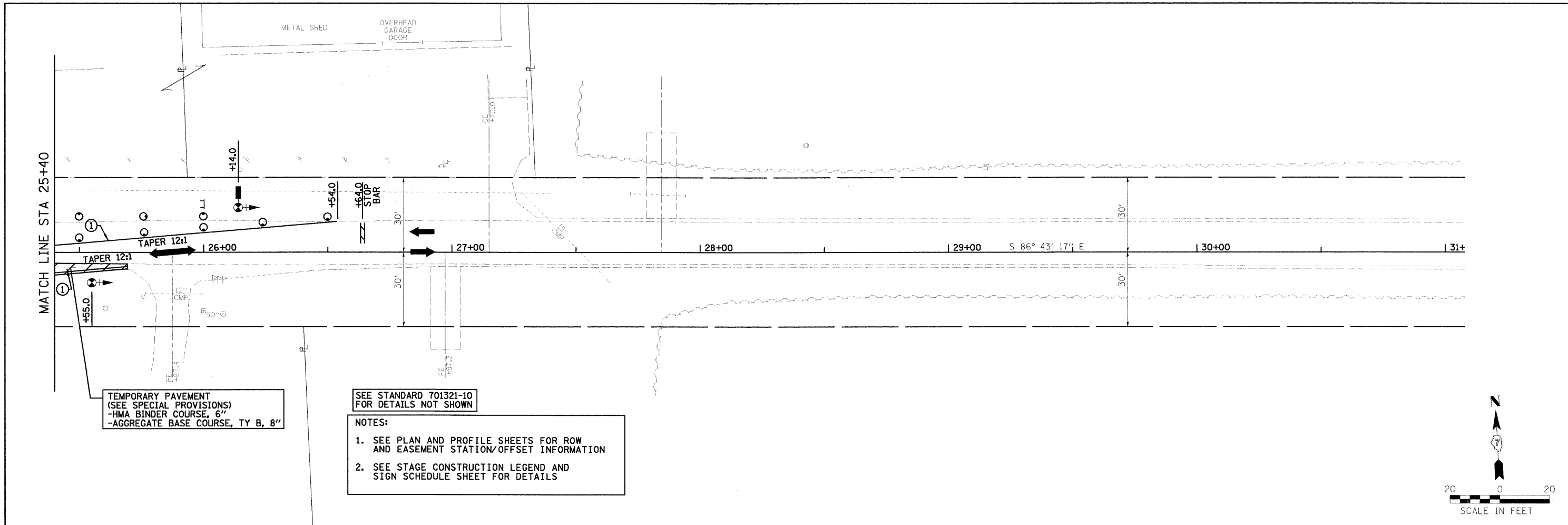
- SEE PLAN AND PROFILE SHEETS FOR ROW AND EASEMENT STATION/OFFSET INFORMATION
- SEE STAGE CONSTRUCTION LEGEND AND SIGN SCHEDULE SHEET FOR DETAILS

* BOX CULVERT
STAGE 1B
CONST LINE

TEMPORARY PAVEMENT
(SEE SPECIAL PROVISIONS)
-HMA BINDER COURSE, 6"
-AGGREGATE BASE COURSE, TY B, 8"

IL 45 TO EAST OF BOX

FILE NAME = 0090193_STAGING-1B_west.dgn	USER NAME = #USER#	DESIGNED = PSA/ERB	REVISED =	CITY OF EFFINGHAM	RICKELMAN AVE (FAU 8376) SECTION 07-00112-00-PV STAGE 1B CONSTRUCTION PLAN	F.A.U. RTE. = 8376	SECTION = 07-00112-00-PV	COUNTY = EFFINGHAM	TOTAL SHEETS = 53	SHEET NO. = 15	
PLOT SCALE = #SCALE#	DATE = 10/19/10	DRAWN = JTC	REVISED =			SCALE: 1"=20'	SHEET NO. OF SHEETS	STA. 13+80.00 TO STA. 25+40.00	FED. ROAD DIST. NO. =	ILLINOIS FED. AID PROJECT	CONTRACT NO. = 95635
CHECKED = PJM		DATE = 10/19/10	REVISED =								



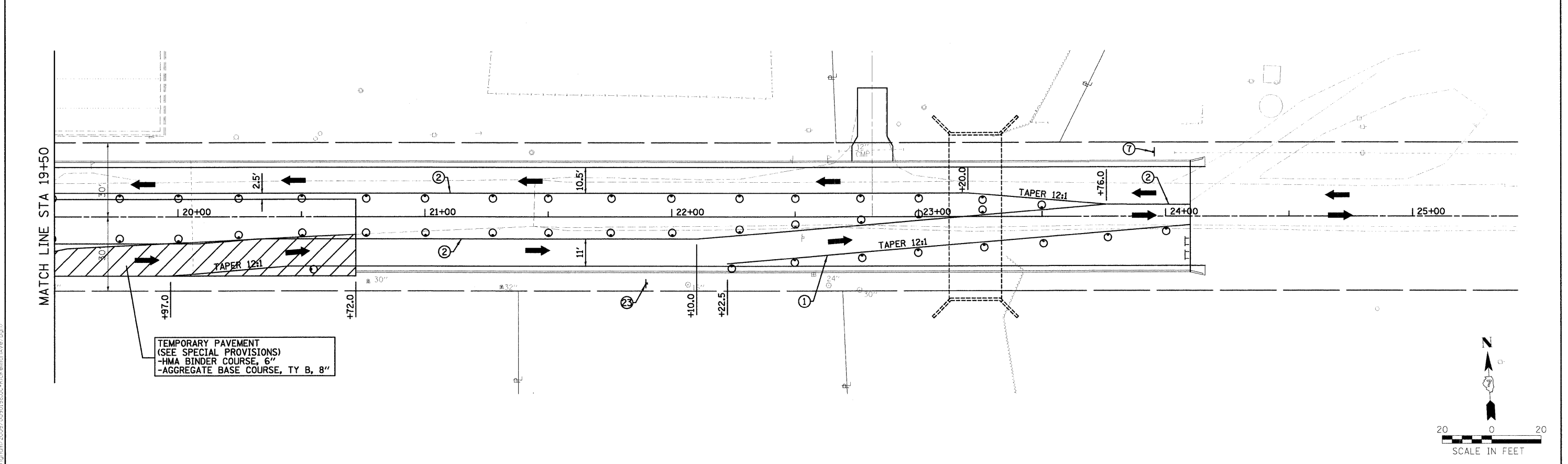
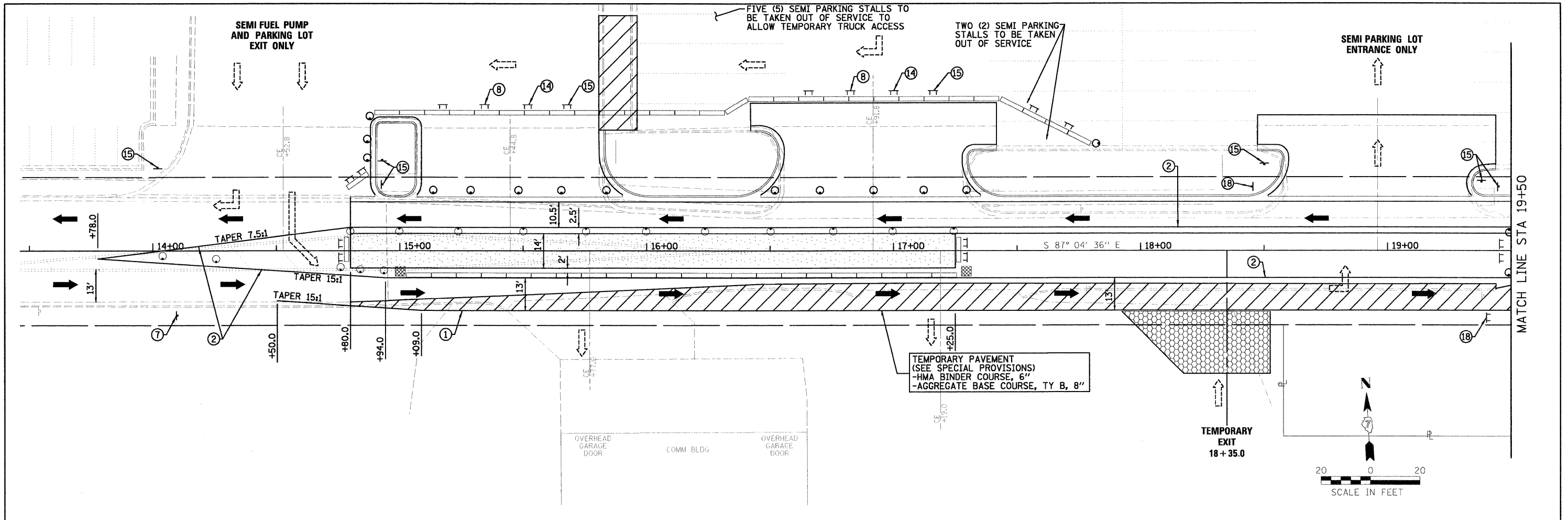
TEMPORARY PAVEMENT
 (SEE SPECIAL PROVISIONS)
 -HMA BINDER COURSE, 6"
 -AGGREGATE BASE COURSE, TY B, 8"

SEE STANDARD 701321-10
 FOR DETAILS NOT SHOWN

- NOTES:
1. SEE PLAN AND PROFILE SHEETS FOR ROW AND EASEMENT STATION/OFFSET INFORMATION
 2. SEE STAGE CONSTRUCTION LEGEND AND SIGN SCHEDULE SHEET FOR DETAILS

IL 45 TO EAST OF BOX
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PLOT DATE = 10/19/2010	DATE - 10/19/10	REVISOR -	FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT									
						FARNSWORTH GROUP, INC. CONSULTING ENGINEERS - 104 NORTH SECOND STREET, SUITE A, EFFINGHAM, IL 62401 (217)342-5668 / (217)342-5853 FAX						



IL 45 TO EAST OF BOX

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 PLOT DATE = 10/19/2010

DESIGNED - PSA/ERB
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 CHECKED - PJM
 DATE - 10/19/10

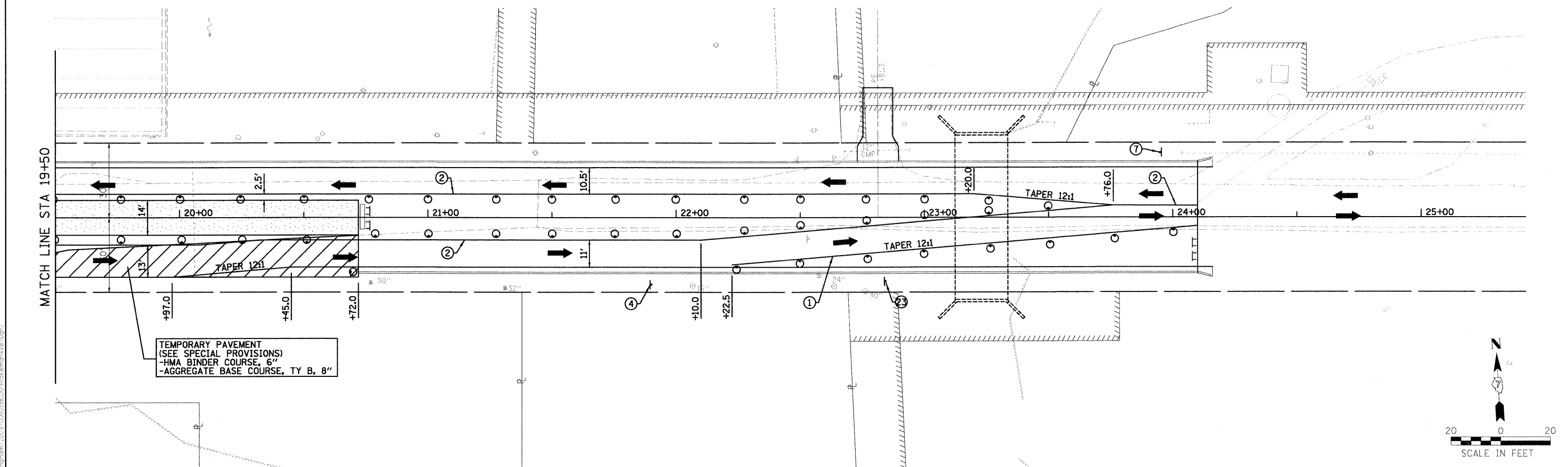
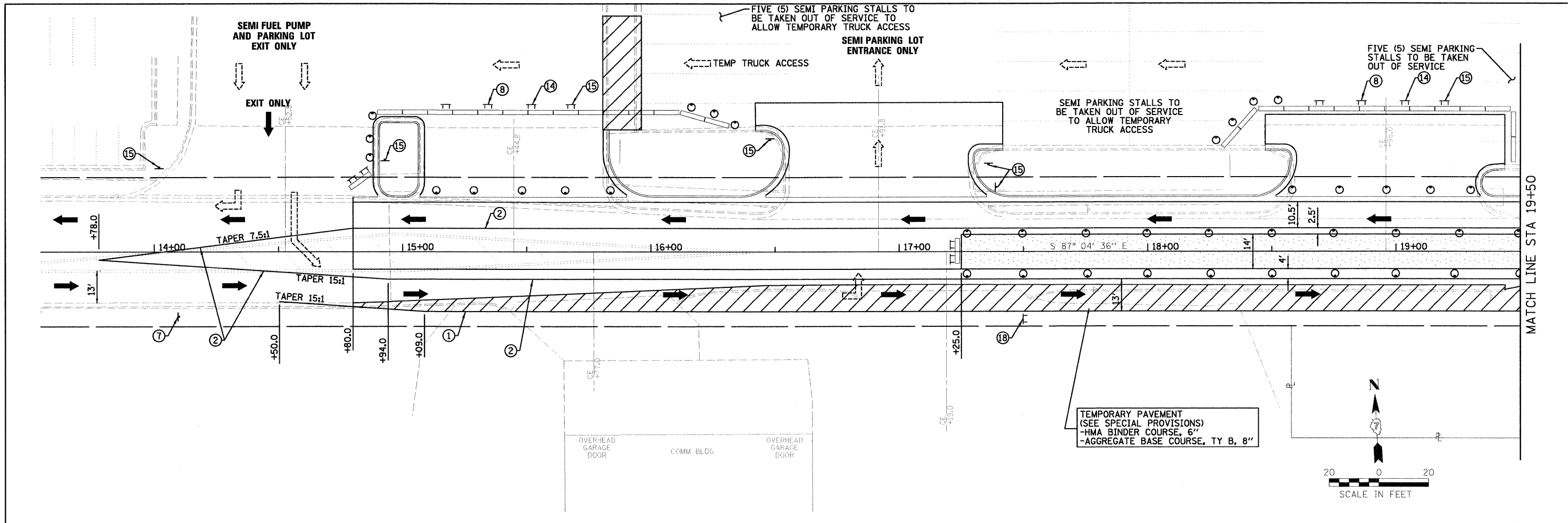
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CITY OF EFFINGHAM

**RICKELMAN AVE (FAU 8376) SECTION 07-00112-00-PV
 STAGE 2A CONSTRUCTION PLAN**
 SCALE: 1"=20' SHEET NO. OF SHEETS STA. 13+80.00 TO STA. 24+10.00

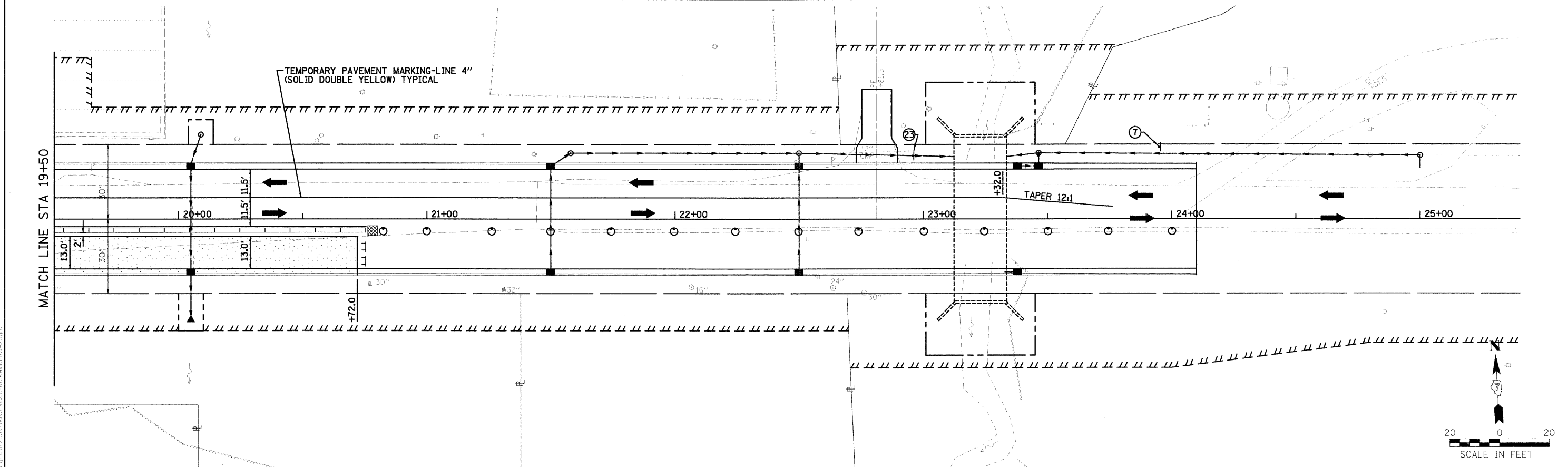
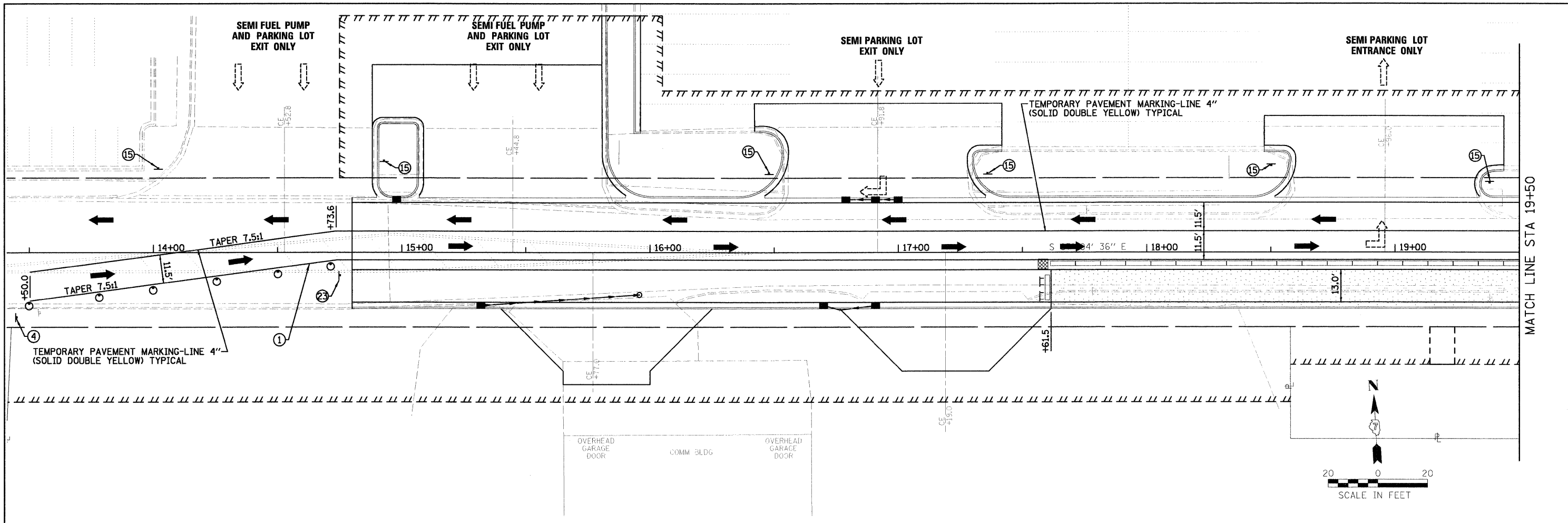
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FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		
CONTRACT NO. 95635				



IL 45 TO EAST OF BOX
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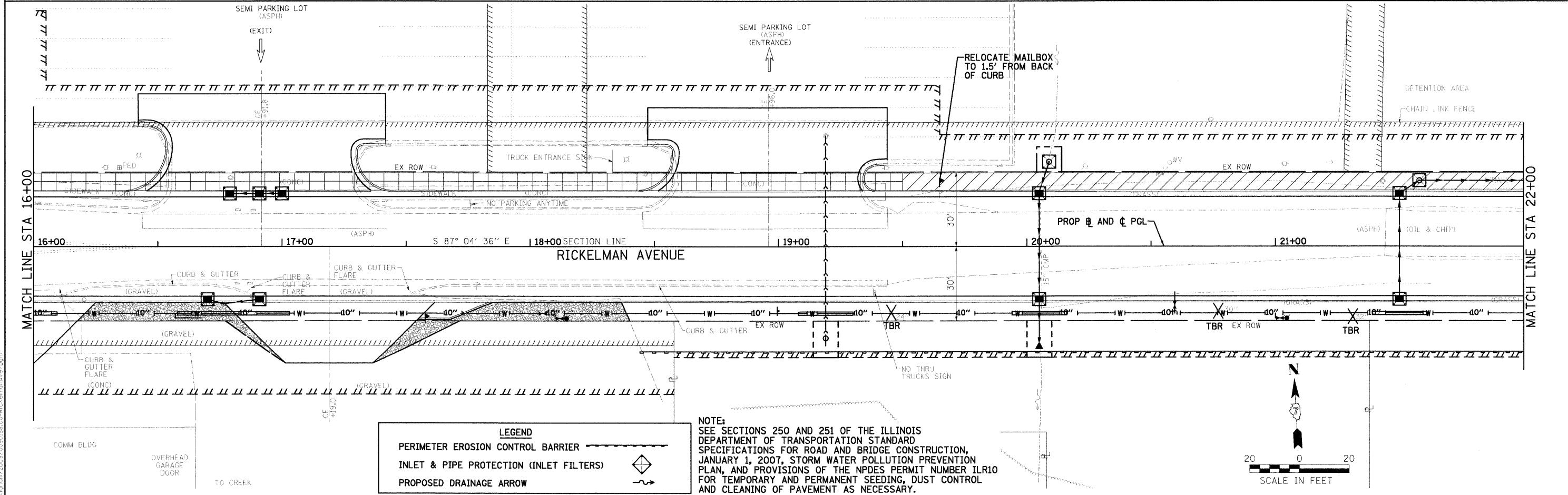
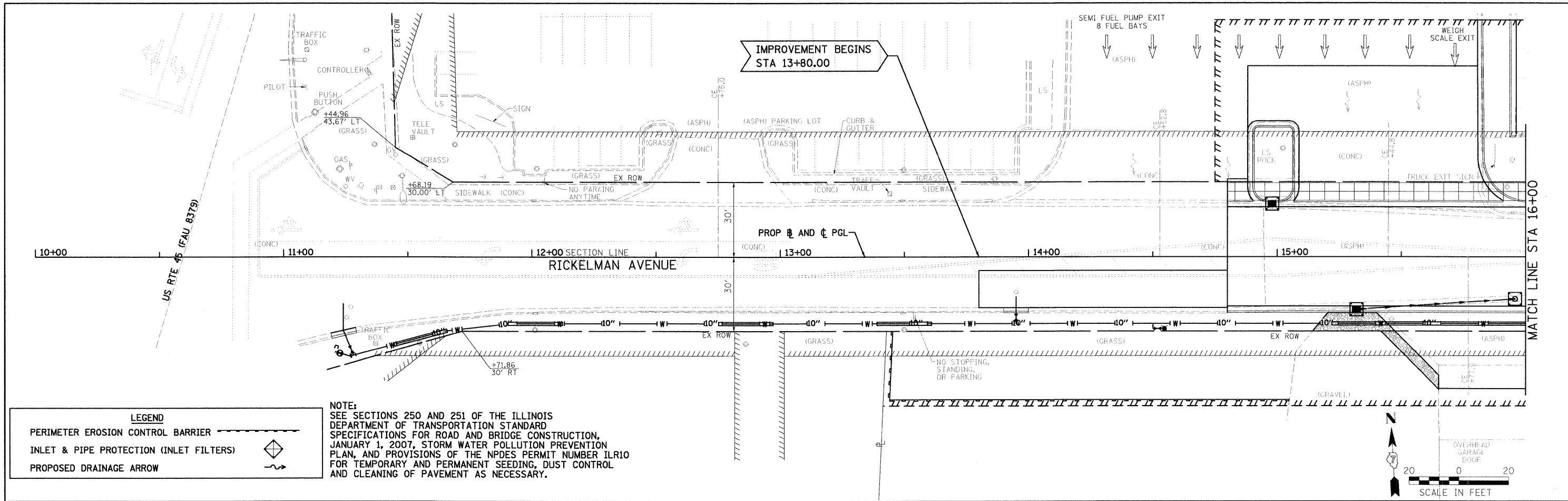
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PLOT DATE - 10/19/2010	DATE - 10/19/10	REVISED -	REVISED -								

FARNSWORTH GROUP, INC. CONSULTING ENGINEERS - 104 NORTH SECOND STREET, SUITE A, EFFINGHAM, IL 62401 (217)342-5668 / (217)342-5853 FAX

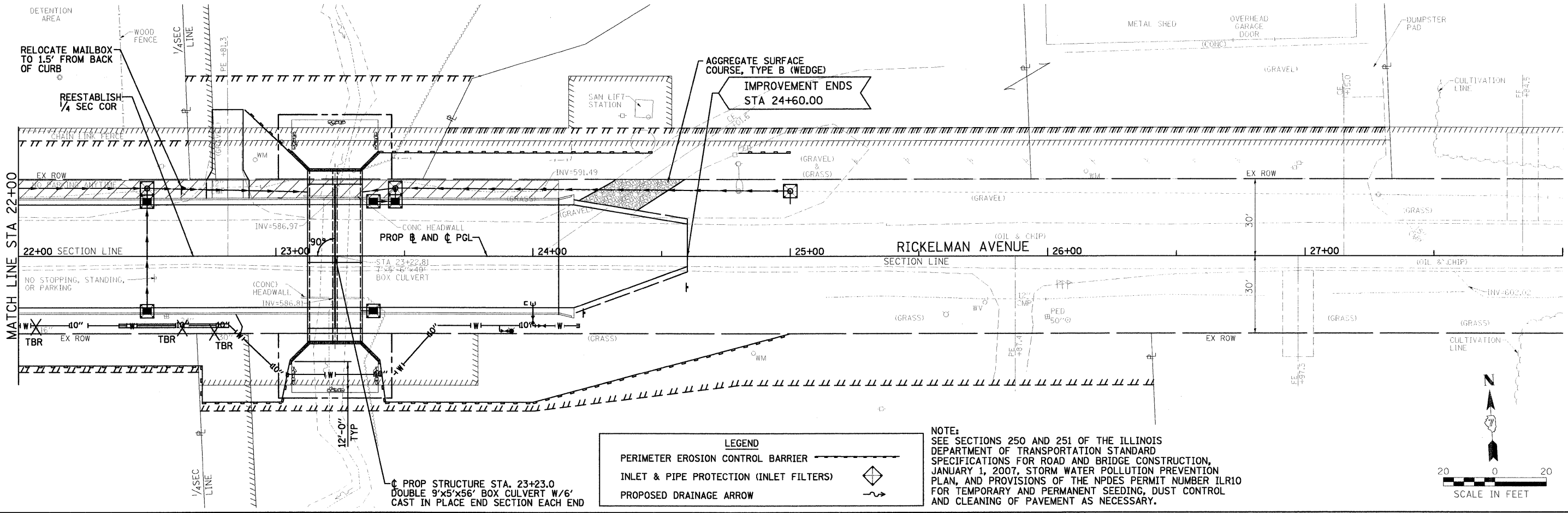


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PLOT SCALE - #SCALE#	CHECKED - P.J.M.	DATE 10/19/10	REVISED -			SCALE: 1"=20'	SHEET NO. OF SHEETS	STA. 13+80.00 TO STA. 24+10.00	FED. ROAD DIST. NO.	ILLINOIS FED. AID PROJECT	CONTRACT NO. 95635
PLOT DATE - 10/19/2010	DATE 10/19/10	REVISED -	REVISED -								



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	FARNSWORTH GROUP, INC. CONSULTING ENGINEERS - 104 NORTH SECOND STREET, SUITE A, EFFINGHAM, IL 62401 (217)342-5668 / (217)342-5853 FAX			FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT



LEGEND

PERIMETER EROSION CONTROL BARRIER	
INLET & PIPE PROTECTION (INLET FILTERS)	
PROPOSED DRAINAGE ARROW	

NOTE:
 SEE SECTIONS 250 AND 251 OF THE ILLINOIS DEPARTMENT OF TRANSPORTATION STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION, JANUARY 1, 2007, STORM WATER POLLUTION PREVENTION PLAN, AND PROVISIONS OF THE NPDES PERMIT NUMBER ILR10 FOR TEMPORARY AND PERMANENT SEEDING, DUST CONTROL AND CLEANING OF PAVEMENT AS NECESSARY.

IL 45 TO EAST OF BOX

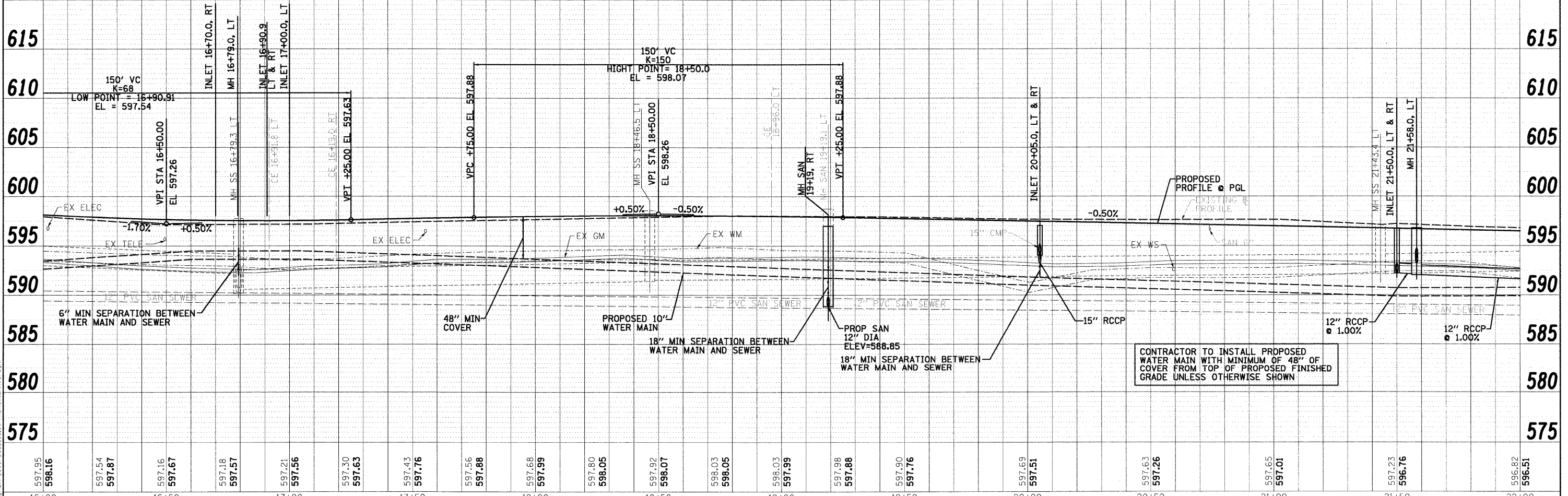
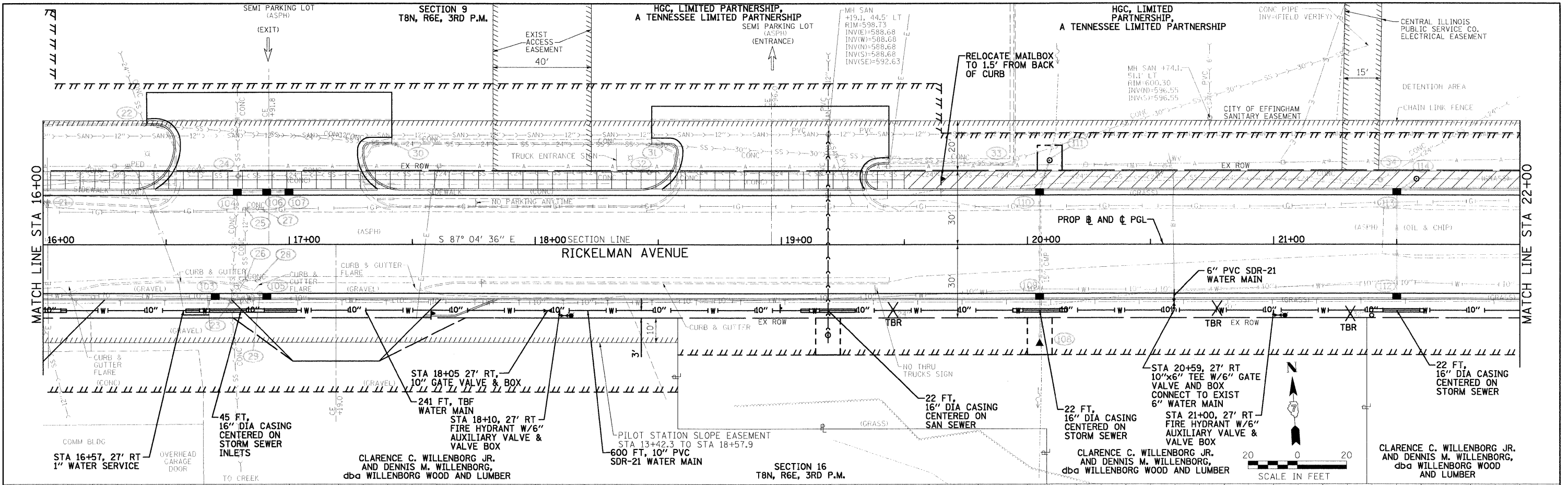
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PLOT SCALE = #SCALE#		DRAWN - JTC	REVISED -			SCALE: 1"=20' SHEET NO. OF SHEETS STA. 22+00.0 TO STA. 25+00.0					
PLOT DATE = 10/19/2010		CHECKED - PJM	REVISED -			FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT					
		DATE - 10/19/10	REVISED -			CONTRACT NO. 95635					
						CONTRACT NO. 95635					

FARNSWORTH GROUP, INC. CONSULTING ENGINEERS - 104 NORTH SECOND STREET, SUITE A, EFFINGHAM, IL 62401 (217)342-5668 / (217)342-5853 FAX

DATE	10/19/10
BY	JTC
CHECKED	ACH
DATE	10/19/10

PROJECT	8376
SECTION	07-00112-00-PV
SHEET NO.	53
TOTAL SHEETS	24

IL 45 TO EAST OF BOX
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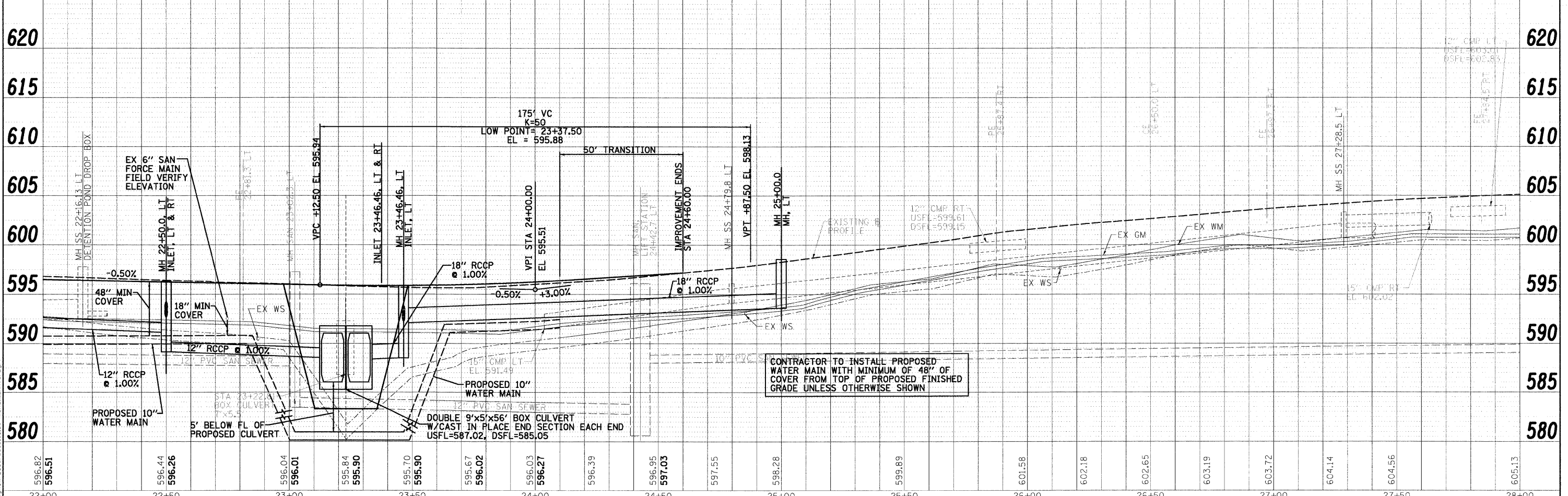
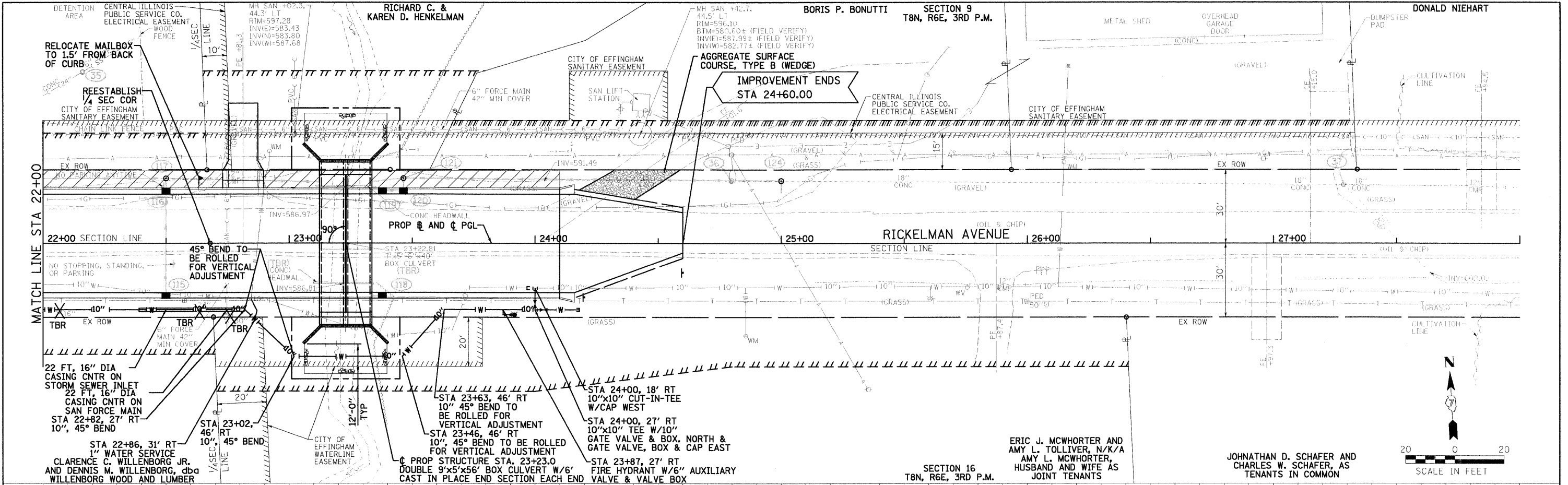


FILE NAME	USER NAME	DESIGNED	REVISED	RICKELMAN AVE (FAU 8376) SECTION 07-00112-00-PV		F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
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#SCALE#	10/19/2010	JTC	ACH	10/19/10	1"=20'	53	24	16+00.0	22+00.0	95635
FARNSWORTH GROUP, INC. CONSULTING ENGINEERS - 104 NORTH SECOND STREET, SUITE A, EFFINGHAM, IL 62401 (217)342-5668 / (217)342-5853 FAX										

SHEET NO. 25
 DATE 10/19/2010
 DRAWN BY JTC
 CHECKED BY ACH
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 PLOT DATE: 10/19/2010

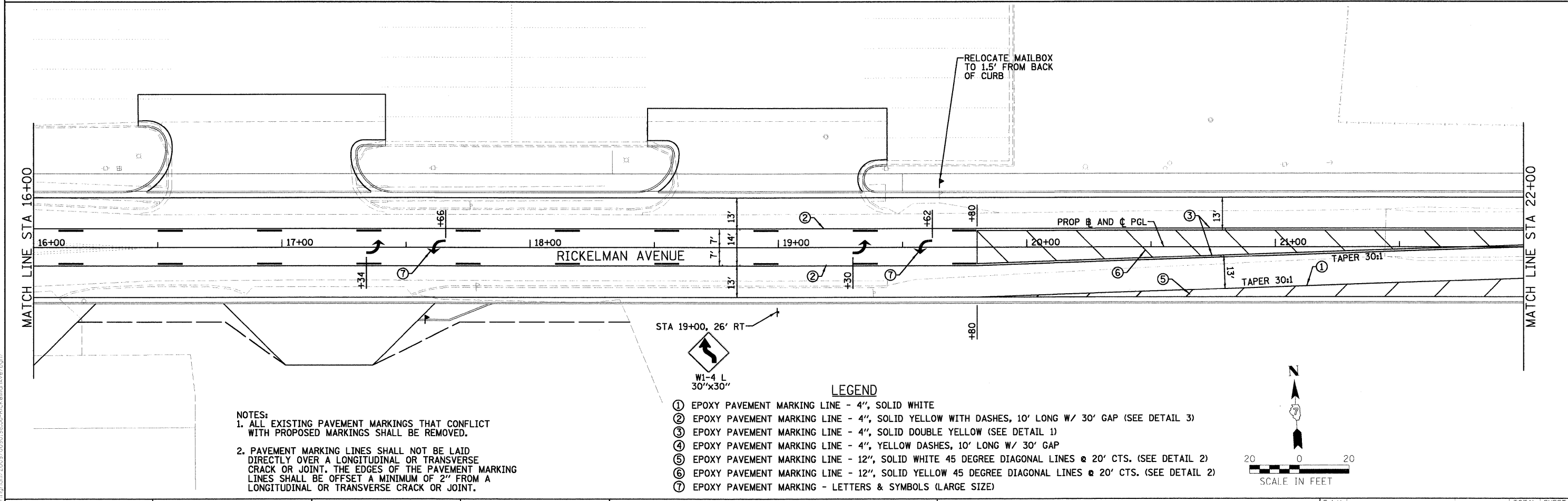
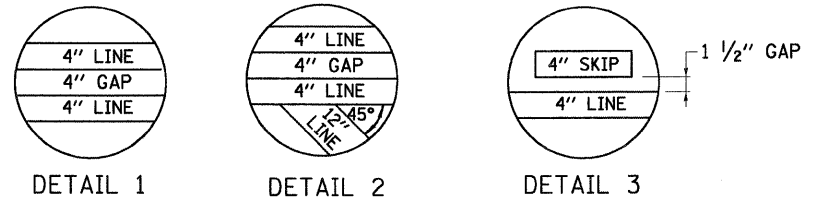
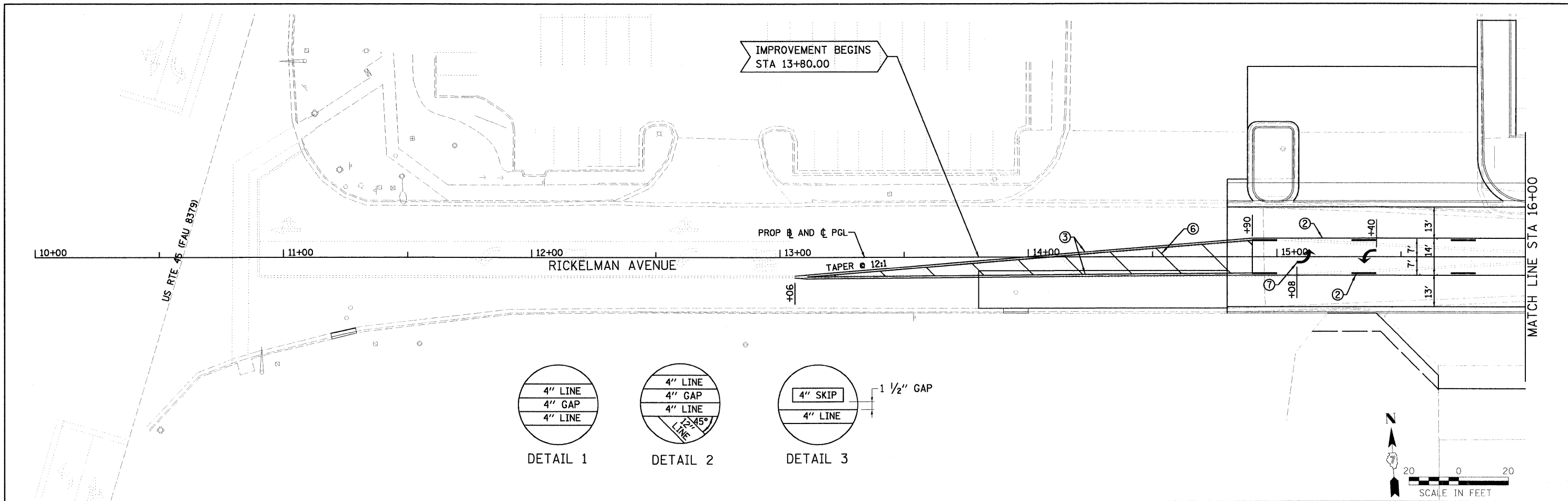
PROFILE
 GRADES CHECKED
 ELEVATIONS NOTED
 PROPOSED NOTED
 NOTE BOOK NO.

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CONTRACTOR TO INSTALL PROPOSED WATER MAIN WITH MINIMUM OF 48" OF COVER FROM TOP OF PROPOSED FINISHED GRADE UNLESS OTHERWISE SHOWN

FILE NAME: 0090198.WH-F&P-west.dgn USER NAME: #USER# PLOT SCALE: #SCALE# PLOT DATE: 10/19/2010	DESIGNED: RJB/ACH DRAWN: JTC CHECKED: ACH DATE: 10/19/10	REVISED: - REVISED: - REVISED: - REVISED: -	CITY OF EFFINGHAM RICKELMAN AVE (FAU 8376) SECTION 07-00112-00-PV WATER MAIN PLAN AND PROFILE SCALE: 1"=20' SHEET NO. 25 OF 25 SHEETS STA. 22+00.0 TO STA. 28+00.0	F.A.U. RTEL: 8376 SECTION: 07-00112-00-PV COUNTY: EFFINGHAM TOTAL SHEETS: 53 SHEET NO.: 25 CONTRACT NO.: 95635 FED. ROAD DIST. NO.: ILLINOIS FED. AID PROJECT
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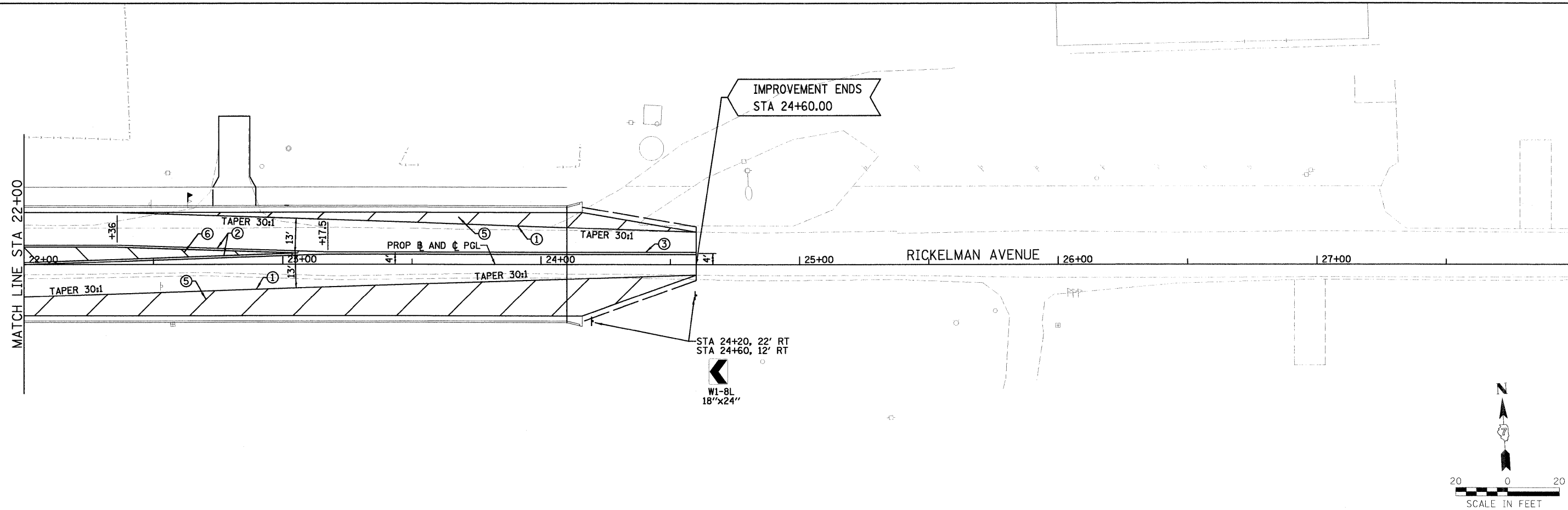
NOTES:
 1. ALL EXISTING PAVEMENT MARKINGS THAT CONFLICT WITH PROPOSED MARKINGS SHALL BE REMOVED.
 2. PAVEMENT MARKING LINES SHALL NOT BE LAID DIRECTLY OVER A LONGITUDINAL OR TRANSVERSE CRACK OR JOINT. THE EDGES OF THE PAVEMENT MARKING LINES SHALL BE OFFSET A MINIMUM OF 2" FROM A LONGITUDINAL OR TRANSVERSE CRACK OR JOINT.

- LEGEND**
- ① EPOXY PAVEMENT MARKING LINE - 4", SOLID WHITE
 - ② EPOXY PAVEMENT MARKING LINE - 4", SOLID YELLOW WITH DASHES, 10' LONG W/ 30' GAP (SEE DETAIL 3)
 - ③ EPOXY PAVEMENT MARKING LINE - 4", SOLID DOUBLE YELLOW (SEE DETAIL 1)
 - ④ EPOXY PAVEMENT MARKING LINE - 4", YELLOW DASHES, 10' LONG W/ 30' GAP
 - ⑤ EPOXY PAVEMENT MARKING LINE - 12", SOLID WHITE 45 DEGREE DIAGONAL LINES @ 20' CTS. (SEE DETAIL 2)
 - ⑥ EPOXY PAVEMENT MARKING LINE - 12", SOLID YELLOW 45 DEGREE DIAGONAL LINES @ 20' CTS. (SEE DETAIL 2)
 - ⑦ EPOXY PAVEMENT MARKING - LETTERS & SYMBOLS (LARGE SIZE)

IL 45 TO EAST OF BOX
 City of Effingham 2009-0030198-00-RickelmanAve.dgn

FILE NAME - 0000198_PVMTTHARI-west.dgn	USER NAME - #USER#	DESIGNED - PSA	REVISED -	CITY OF EFFINGHAM	RICKELMAN AVE (FAU 8376) SECTION 07-00112-00-PV PAVEMENT MARKING AND SIGNAGE PLAN	F.A.U. RTE. 8376	SECTION 07-00112-00-PV	COUNTY EFFINGHAM	TOTAL SHEETS 53	SHEET NO. 26	
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PLOT DATE - 10/19/2010	DATE - 10/19/10	CHECKED - PJM	REVISED -							CONTRACT NO. 95635	
		DATE - 10/19/10	REVISED -								

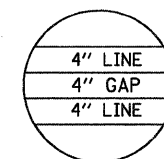
FARNSWORTH GROUP, INC. CONSULTING ENGINEERS - 104 NORTH SECOND STREET, SUITE A, EFFINGHAM, IL 62401 (217)342-5668 / (217)342-5853 FAX



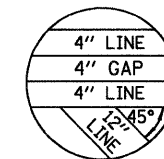
LEGEND

- ① EPOXY PAVEMENT MARKING LINE - 4", SOLID WHITE
- ② EPOXY PAVEMENT MARKING LINE - 4", SOLID YELLOW WITH DASHES, 10' LONG W/ 30' GAP (SEE DETAIL 3)
- ③ EPOXY PAVEMENT MARKING LINE - 4", SOLID DOUBLE YELLOW (SEE DETAIL 1)
- ④ EPOXY PAVEMENT MARKING LINE - 4", YELLOW DASHES, 10' LONG W/ 30' GAP
- ⑤ EPOXY PAVEMENT MARKING LINE - 12", SOLID WHITE 45 DEGREE DIAGONAL LINES @ 20' CTS. (SEE DETAIL 2)
- ⑥ EPOXY PAVEMENT MARKING LINE - 12", SOLID YELLOW 45 DEGREE DIAGONAL LINES @ 20' CTS. (SEE DETAIL 2)
- ⑦ EPOXY PAVEMENT MARKING - LETTERS & SYMBOLS (LARGE SIZE)

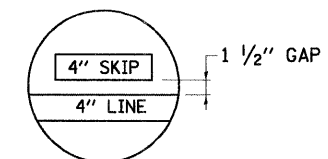
- NOTES:**
1. ALL EXISTING PAVEMENT MARKINGS THAT CONFLICT WITH PROPOSED MARKINGS SHALL BE REMOVED.
 2. PAVEMENT MARKING LINES SHALL NOT BE LAID DIRECTLY OVER A LONGITUDINAL OR TRANSVERSE CRACK OR JOINT. THE EDGES OF THE PAVEMENT MARKING LINES SHALL BE OFFSET A MINIMUM OF 2" FROM A LONGITUDINAL OR TRANSVERSE CRACK OR JOINT.



DETAIL 1



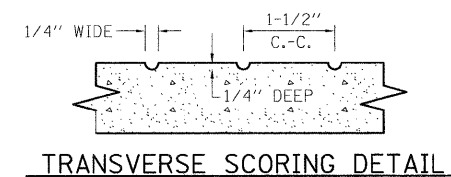
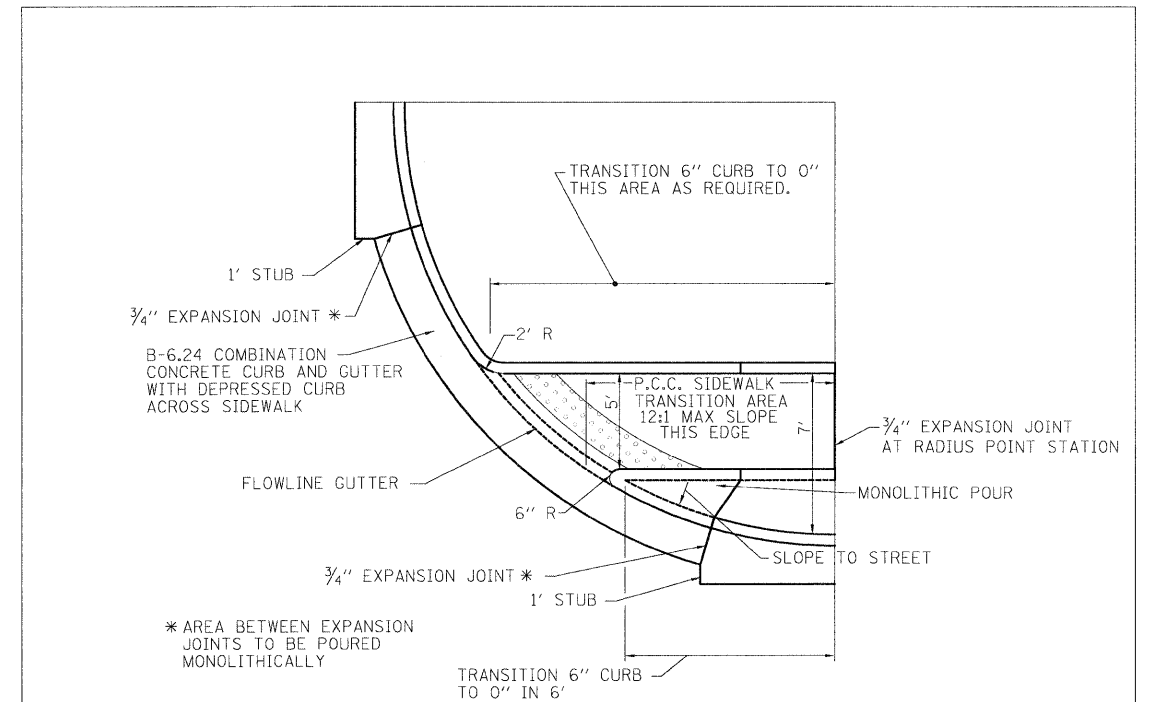
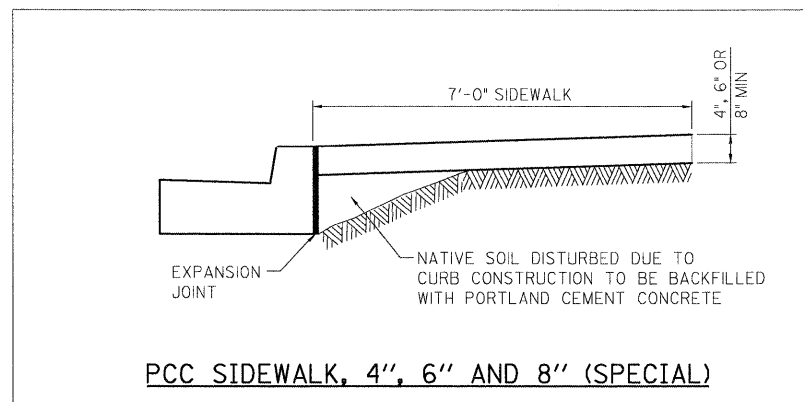
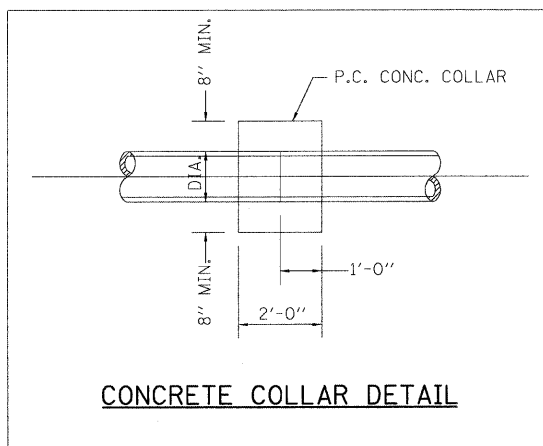
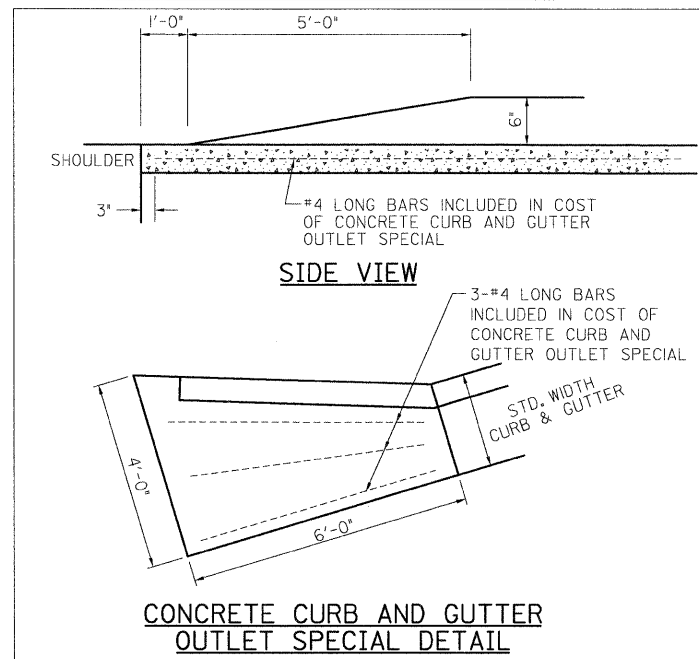
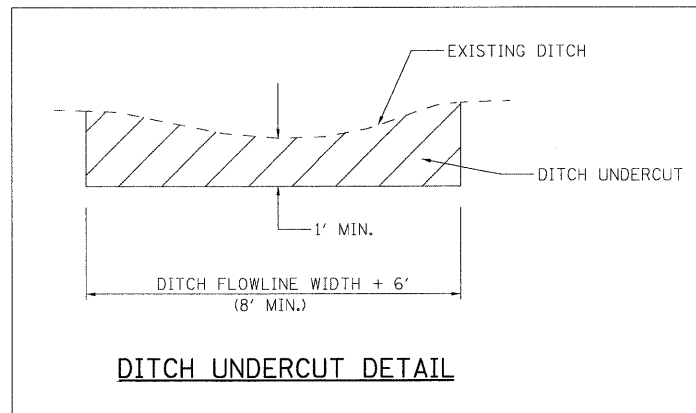
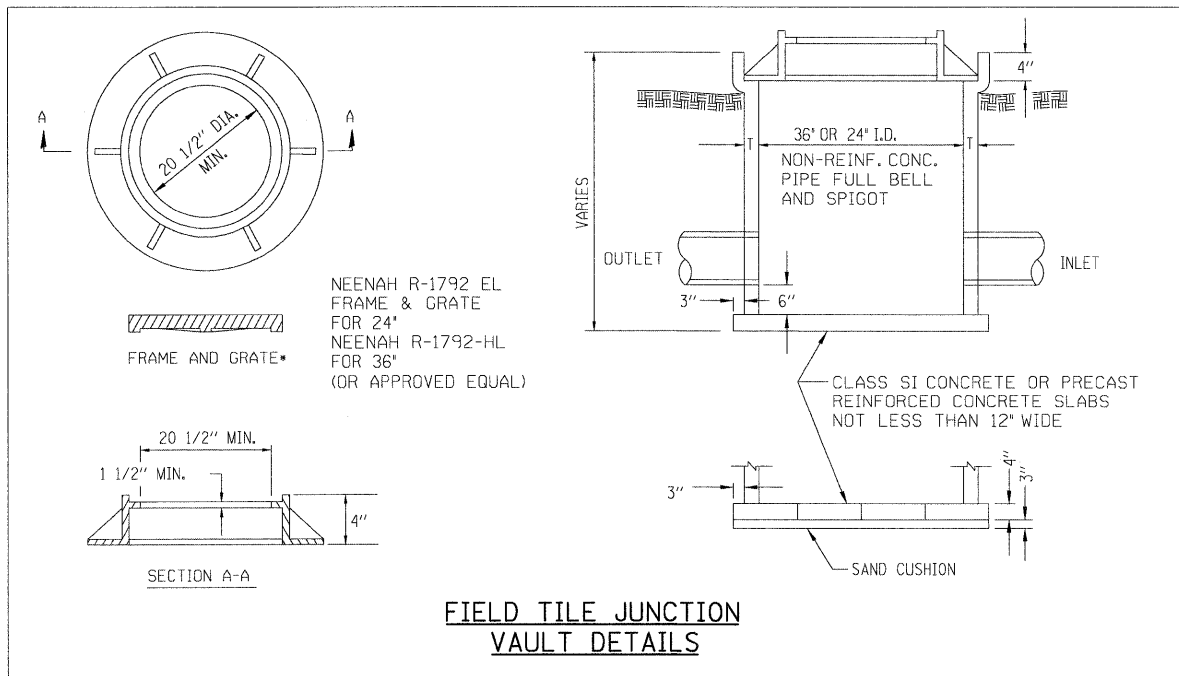
DETAIL 2



DETAIL 3

IL 45 TO EAST OF BOX

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PLOT DATE: 10/19/2010	DATE: 10/19/10	REVISED:	REVISED:								
FARNSWORTH GROUP, INC. CONSULTING ENGINEERS - 104 NORTH SECOND STREET, SUITE A, EFFINGHAM, IL 62401 (217)342-5668 / (217)342-5853 FAX											

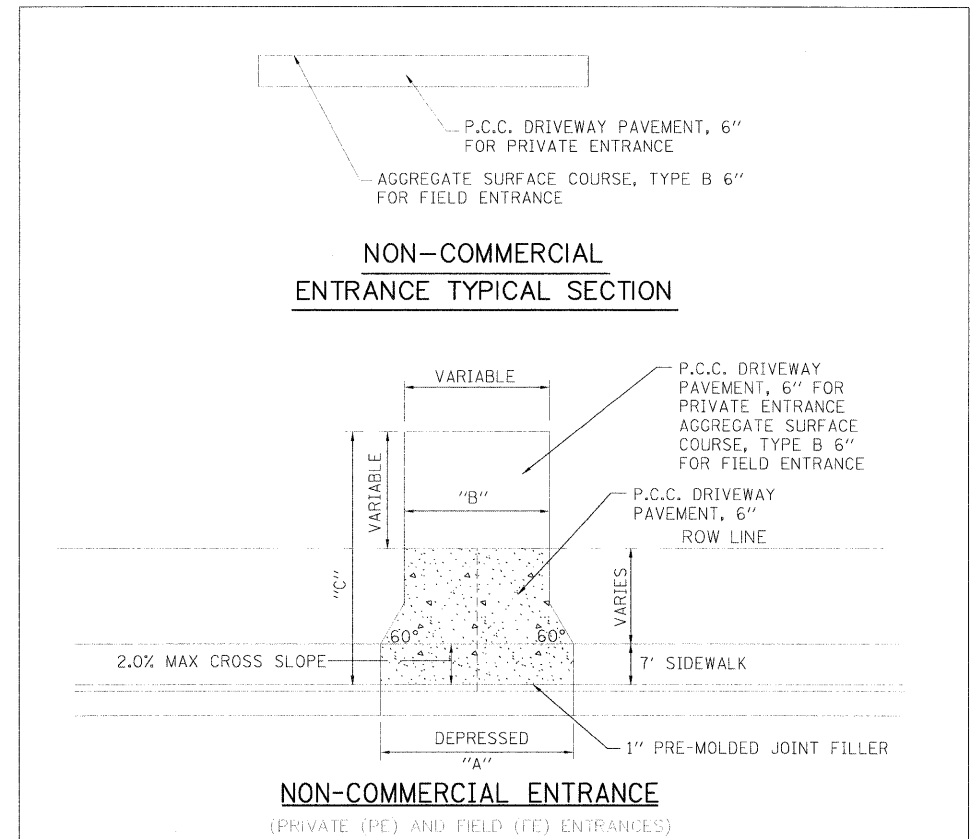
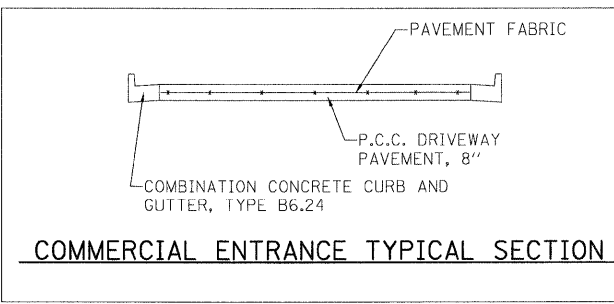
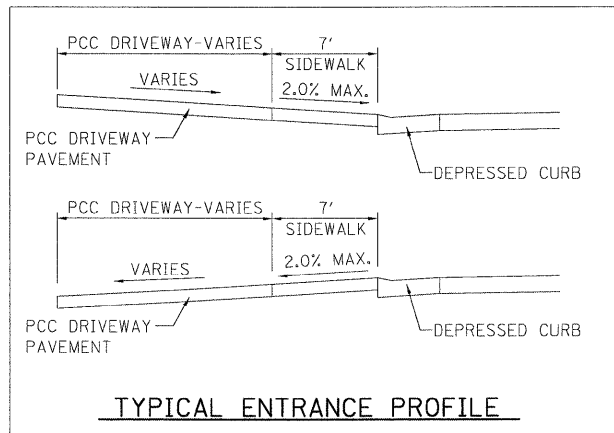
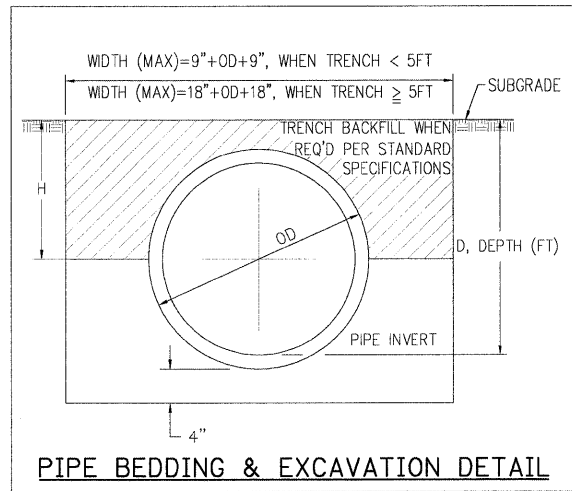


NOTES:

- 1: THE COST OF CONSTRUCTING THE DEPRESSED CURB AS SHOWN SHALL BE INCLUDED IN THE COST OF CONSTRUCTING COMBINATION CONCRETE CURB AND GUTTER TYPE B-6.24 AND NO ADDITIONAL COMPENSATION WILL BE ALLOWED.
- 2: THE COST OF FURNISHING AND INSTALLING THE 3/4" EXPANSION JOINTS AND THE COST OF CONSTRUCTING THE P.C.C. SIDEWALK, INCLUDING THE ADJACENT CURBING SHOWN, SHALL BE INCLUDED IN THE COST OF CONSTRUCTING PORTLAND CEMENT CONCRETE SIDEWALK 4" AND NO ADDITIONAL COMPENSATION WILL BE ALLOWED.
- 3: THE SIDEWALK TRANSITION AREA (EXCEPT FOR TRUNCATED DOME AREA) SHALL BE GIVEN A TEXTURED SURFACE BY MEANS OF CONSTRUCTING TRANSVERSE GROOVES IN THE SURFACE OF THE PORTLAND CEMENT CONCRETE SIDEWALK RAMP. THE GROOVES MAY BE CONSTRUCTED BY TOOLING THE SURFACE OF THE CONCRETE WITH A CONCRETE FINISHING TOOL SIMILAR TO THOSE USED TO CONSTRUCT SIDEWALK CONSTRUCTION JOINTS. THE GROOVES SHALL BE NOMINALLY 1/4" INCH DEEP AND 1/4" INCH WIDE AND SHALL BE CONSTRUCTED AT ONE AND ONE HALF INCHES (1 1/2") CENTER TO CENTER ACROSS THE ENTIRE WIDTH AND LENGTH OF THE SLOPED RAMP. THE GROOVES SHOULD BE CONSTRUCTED IN STRAIGHT PARALLEL LINES TRAVERSE TO THE DIRECTION OF PEDESTRIAN TRAVEL. THIS WORK SHALL NOT BE PAID FOR SEPARATELY, BUT SHALL BE CONSIDERED INCLUDED IN THE CONTRACT UNIT PRICE FOR PORTLAND CEMENT CONCRETE SIDEWALK 4".
- 4: THE MAXIMUM LONGITUDINAL SLOPE OF A RAMP SHALL BE 1:12. THE MAXIMUM CROSS SLOPE OF A RAMP SHALL BE NO GREATER THAN 1:50 (2.0%).

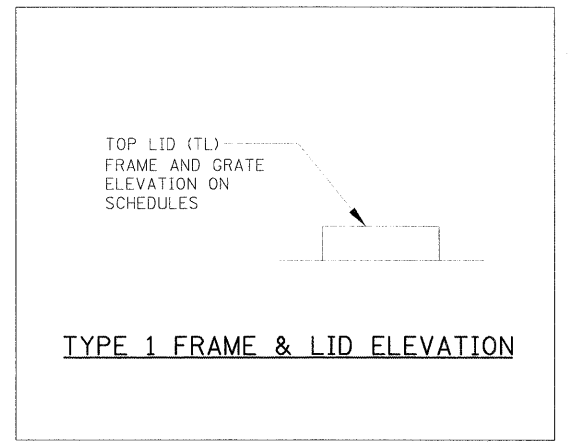
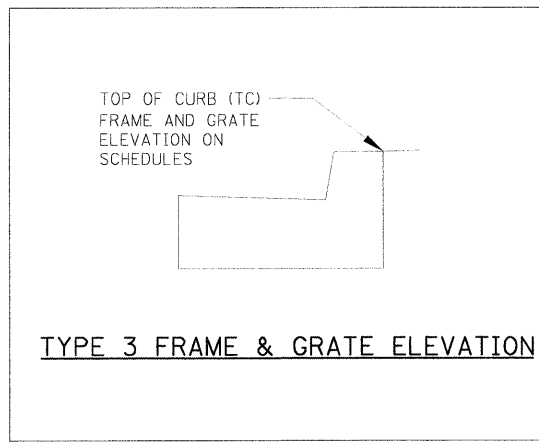
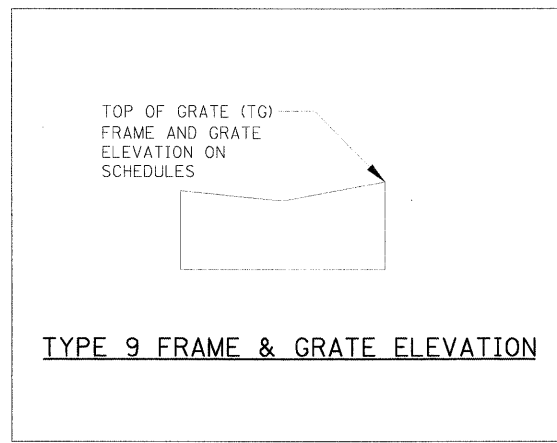
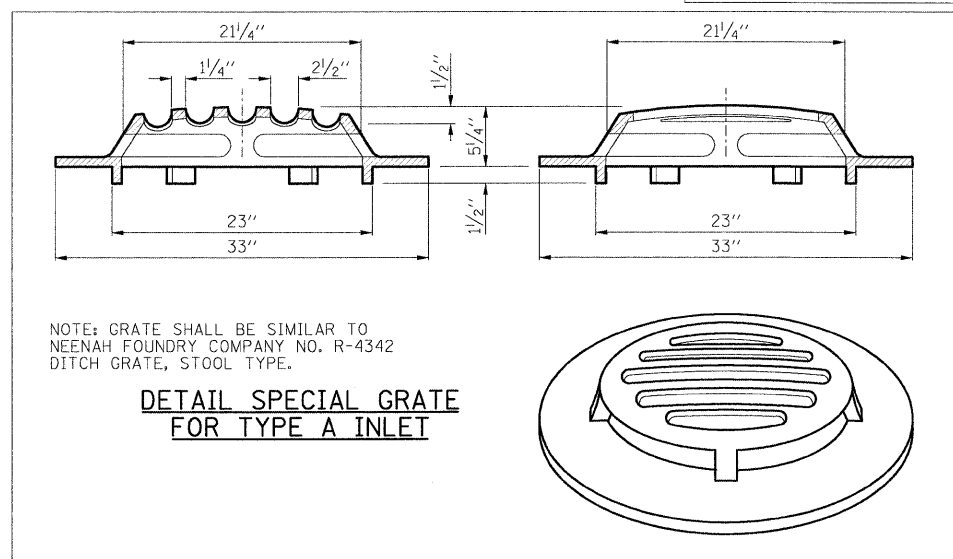
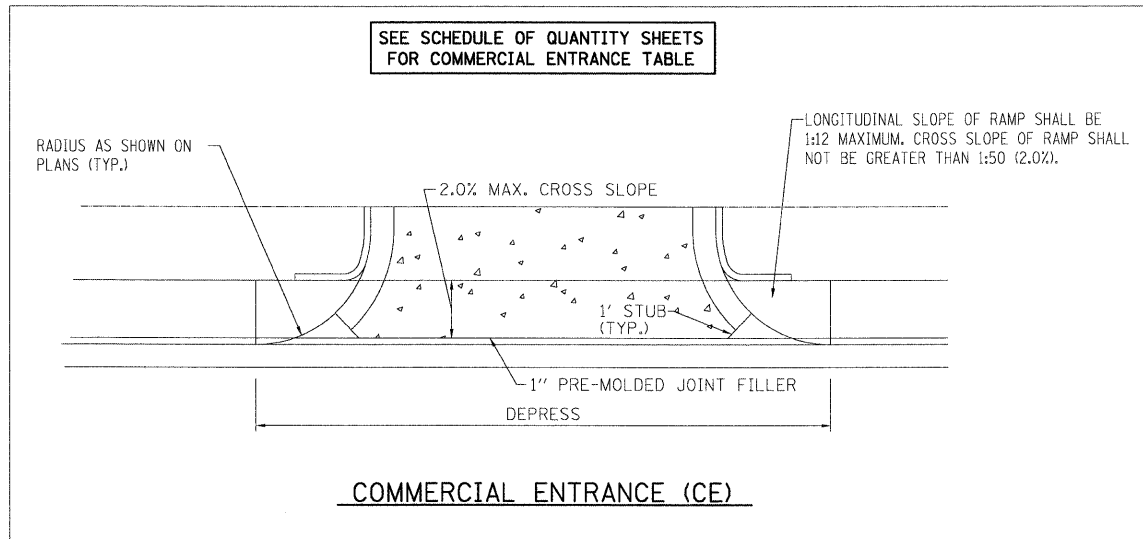
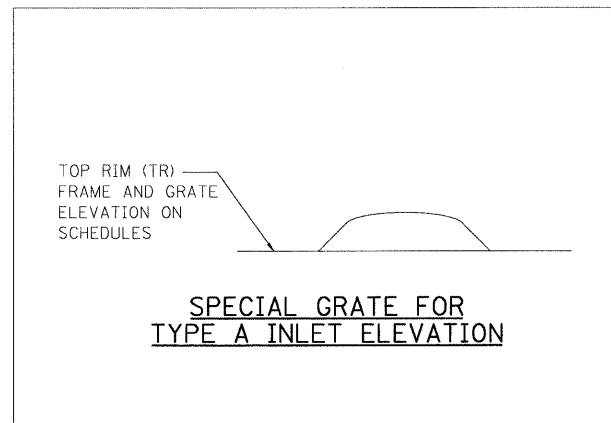
IL 45 TO EAST OF BOX

FILE NAME: 0890196_MiscDetails west.dgn	USER NAME: @USER#	DESIGNED: PSA	REVISED: -	CITY OF EFFINGHAM	RICKELMAN AVE (FAU 8376) SECTION 07-00112-00-PV MISCELLANEOUS ROADWAY DETAILS	F.A.U. RTE. 8376	SECTION 07-00112-00-PV	COUNTY EFFINGHAM	TOTAL SHEETS 53	SHEET NO. 28
PLOT SCALE: AS SCALE 1	CHECKED: PJM	REVISOR: -	SCALE: N.T.S.			SHEET NO. OF SHEETS	STA. 13+80.0 TO STA. 24+60.0	FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT	CONTRACT NO. 95635	
PLOT DATE: 10/19/2010	DATE: 10/19/10	REVISOR: -								
FARNSWORTH GROUP, INC.		CONSULTING ENGINEERS - 104 NORTH SECOND STREET, SUITE A, EFFINGHAM, IL 62401 (217)342-5668 / (217)342-5853 FAX								



SEE SCHEDULE OF QUANTITY SHEETS FOR COMMERCIAL ENTRANCE TABLE

ENTRANCE SCHEDULE				
STATION	TYPE	A	B	C
22+81.3, RT	PE	16.62'	12'	34.5'



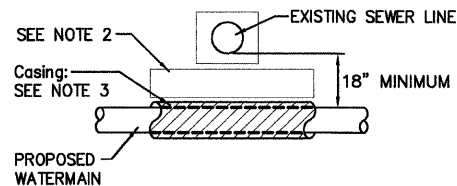
IL 45 TO EAST OF BOX

PROPOSED WATERMAIN BELOW EXISTING SEWER LINE WITH 18" MINIMUM SEPERATION.

NOTE: CLASS IV MATERIAL SHALL BE COMPACTED TO 95% OF STANDARD PROCTOR MAXIMUM DENSITY.

GUIDELINES

1. Omit Select Granular Cradle and Granular Backfill to one (1) foot over top of pipe and use Select Excavated Material (Class IV) AND compact for 10 feet on either side of sewer line.
2. If Select Granular Backfill exists, remove within width of existing Sewer line trench and replace with Select Excavated Material (Class IV) and compact.
3. Use a casing for proposed Watermain and seal ends of casing.

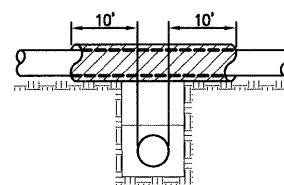


PROPOSED WATERMAIN ABOVE EXISTING SEWER LINE WITH LESS THAN 18" SEPERATION.

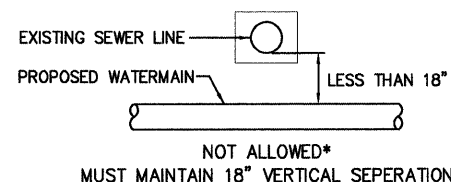
NOTE: CLASS IV MATERIAL SHALL BE COMPACTED TO 95% OF STANDARD PROCTOR MAXIMUM DENSITY.

GUIDELINES

1. Omit Select Granular Cradle and Granular Backfill to one (1) foot over top of pipe and use Select Excavated Material (Class IV) AND compact for 10 feet on either side of sewer line.
2. If Select Granular Backfill exists, remove within width of existing Sewer line trench and replace with Select Excavated Material (Class IV) and compact.
3. Use a casing for proposed Watermain and seal ends of casing.
4. Point loads shall not be allowed between watermain or watermain casing and sewer.



PROPOSED WATERMAIN BELOW EXISTING SEWER LINE WITH LESS THAN 18" MINIMUM SEPERATION.

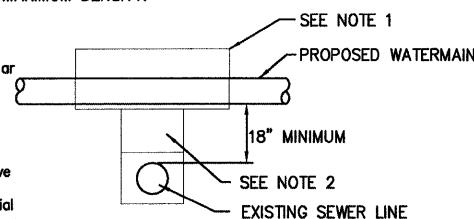


PROPOSED WATERMAIN ABOVE EXISTING SEWER LINE WITH 18" MINIMUM SEPERATION.

NOTE: CLASS IV MATERIAL SHALL BE COMPACTED TO 95% OF STANDARD PROCTOR MAXIMUM DENSITY.

GUIDELINES

1. Omit Select Granular Cradle and Granular Backfill to one (1) foot over top of pipe and use Select Excavated Material (Class IV) AND compact for 10 feet on either side of sewer line.
2. If Select Granular Backfill exists, remove within width of existing Sewer line trench and replace with Select Excavated Material (Class IV) and compact.



GENERAL NOTES

1. THE STANDARD SPECIFICATIONS FOR WATER AND SEWER MAIN CONSTRUCTION IN ILLINOIS 6TH EDITION SHALL APPLY TO THIS WORK (EXCEPT DIVISION D).
2. THE UTILITY COMPANIES HAVE BEEN NOTIFIED OF THE IMPENDING PROJECT. EXISTING UNDERGROUND UTILITIES WERE NOT FIELD LOCATED FOR THE PREPARATION OF THE PLANS. THE CONTRACTOR SHALL HAVE THE RESPONSIBILITY BEFORE ANY CONSTRUCTION WORK HAS BEGUN, OF OBTAINING FROM ALL UTILITIES THE EXACT LOCATION OF ANY UNDERGROUND FACILITIES IN THE AREA OF CONSTRUCTION, WHETHER INDICATED ON THE PLANS OR NOT. ANY FACILITIES DISTURBED BY THE CONTRACTOR SHALL BE RESTORED BY HIM AT HIS OWN EXPENSE. THE CONTRACTOR SHALL COORDINATE WITH THE PROPER UTILITY THE RELOCATION OF ANY FACILITY DESIGNATED ON THE PLANS OR DEEMED NECESSARY TO BE RELOCATED BY THE ENGINEER IN ORDER TO COMPLETE CONSTRUCTION OF THE PROJECT.
3. WATER MAIN PIPE SHALL BE:
PVC SDR-21 ASTM D2241, JOINTS-SINGLE GASKET RUBBER, ASTM F-477.
4. WATER SUPPLIES SHALL BE PROTECTED PER SECTION 370.350 OF THE ILLINOIS RECOMMENDED STANDARDS FOR SEWAGE WORKS.
5. WATER MAIN SHALL BE PRESSURE TESTED WITH WATER AT 100 PSI FOR ONE HOUR WITHOUT LEAKAGE.

IL 45 TO EAST OF BOX

1

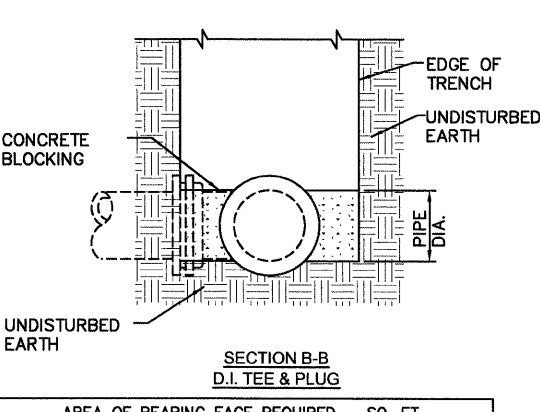
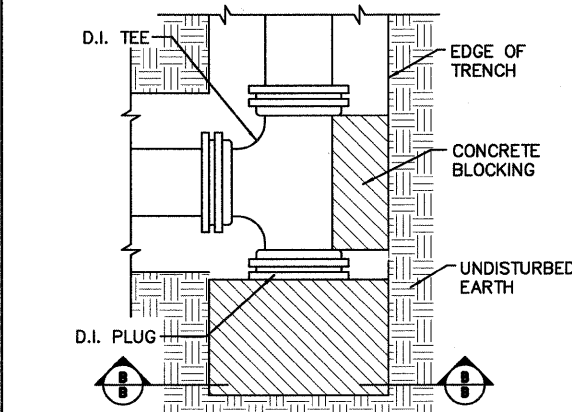
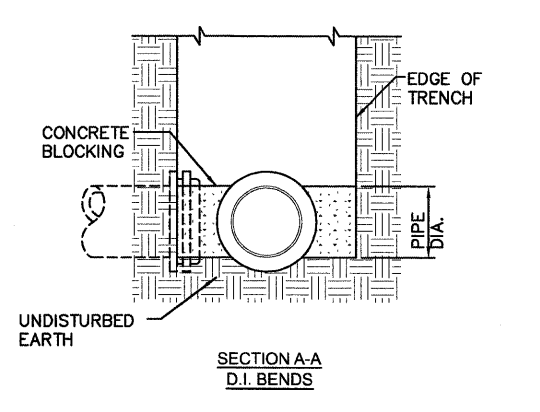
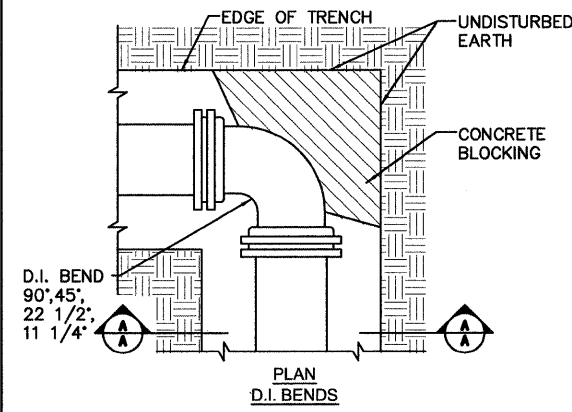
TYPICAL CONCRETE BLOCKING DETAIL

Scale: Not To Scale

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PLOT SCALE = #SCALE#	CHECKED - ACH	DRAWN - JTC	REVISED -			SCALE: N.T.S.	SHEET NO. OF SHEETS	STA. 13+80.0	TO STA. 24+60.0	FED. ROAD DIST. NO.	ILLINOIS FED. AID PROJECT
PLOT DATE = 10/19/2010	DATE 10/19/10	CHECKED - ACH	REVISED -			CONTRACT NO. 95635					
		DATE 10/19/10	REVISED -								

FARNSWORTH GROUP, INC.

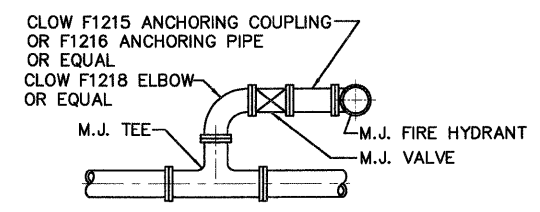
CONSULTING ENGINEERS - 104 NORTH SECOND STREET, SUITE A, EFFINGHAM, IL 62401 (217)342-5668 / (217)342-5853 FAX



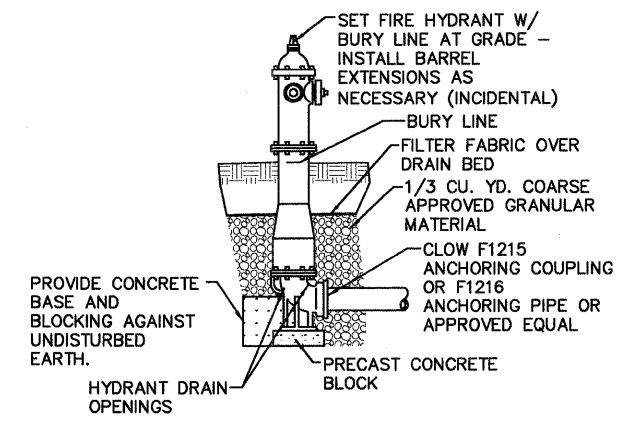
PIPE SIZE	AREA OF BEARING FACE REQUIRED - SQ. FT.		
	1/4 BEND	1/8 OR 1/16 BEND	TEES & PLUGS
4,6,8	3	3	3
10	4	3	3
12	6	3	4
16	11	4	7
18	16	6	10
20	18	8	12

NOTE:
RETAINER GLANDS SHALL
BE USED AT ALL FITTINGS.
NO ADDITIONAL
COMPENSATION WILL BE
ALLOWED.

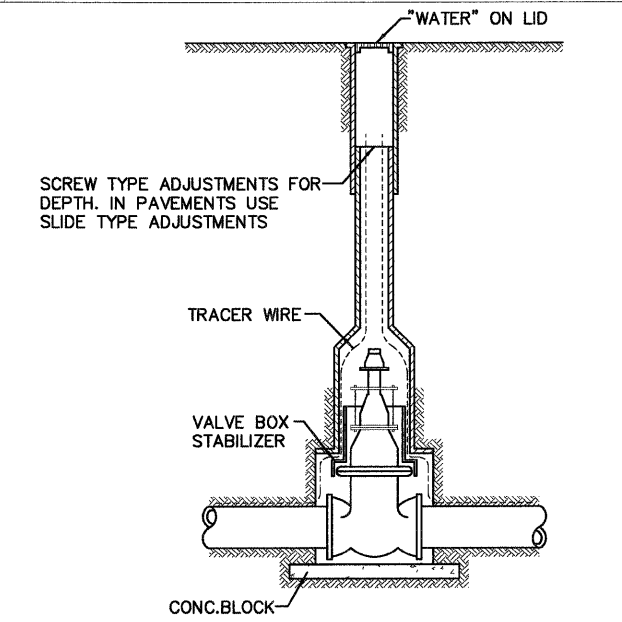
2 TYPICAL CONCRETE BLOCKING DETAIL
Scale: Not To Scale



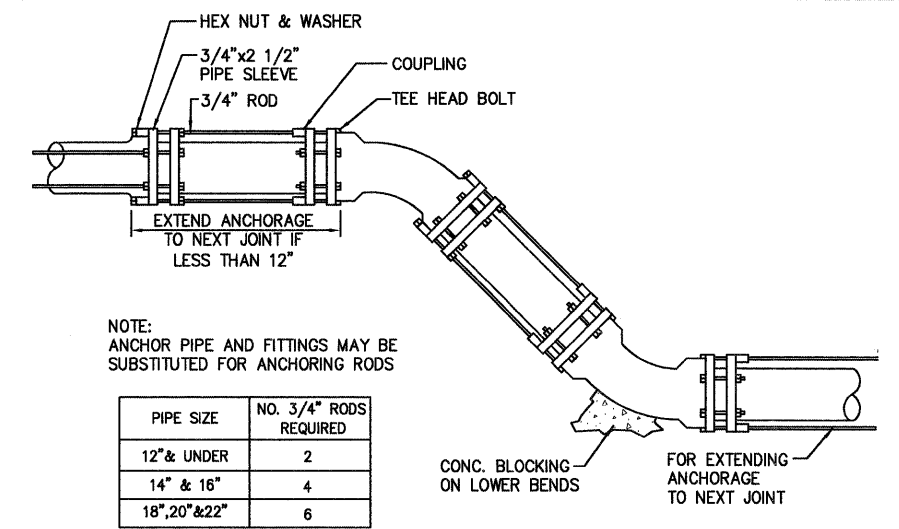
3 HYDRANT CONNECTION TYPE 5
Scale: Not To Scale



4 HYDRANT INSTALLATION
Scale: Not To Scale



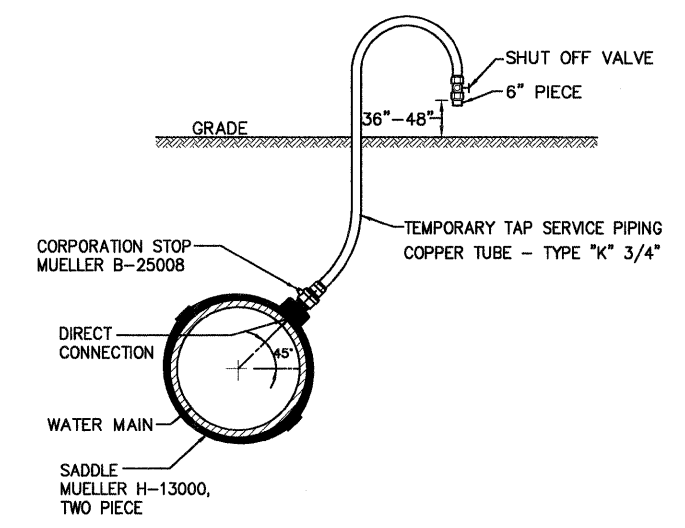
5 TYP. VALVE BOX INSTALLATION
Scale: Not To Scale



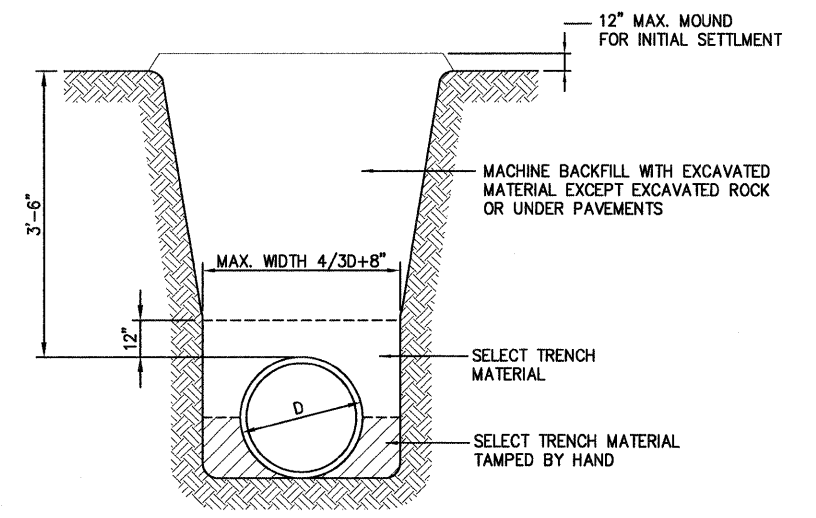
NOTE:
ANCHOR PIPE AND FITTINGS MAY BE
SUBSTITUTED FOR ANCHORING RODS

PIPE SIZE	NO. 3/4" RODS REQUIRED
12" & UNDER	2
14" & 16"	4
18", 20" & 22"	6

6 ANCHORAGE OF FITTINGS
LYING IN VERTICAL PLANE
Scale: Not To Scale



7 SAMPLING & CHLORINATION
SERVICE PIPING TAP
Scale: Not To Scale

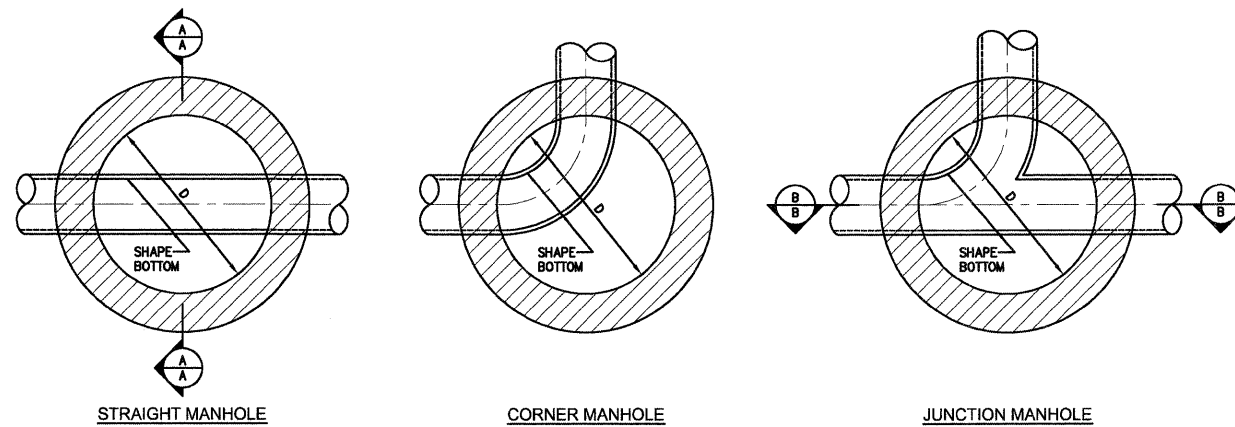


8 WATER MAIN TRENCH DETAIL
Scale: Not To Scale

IL 45 TO EAST OF BOX

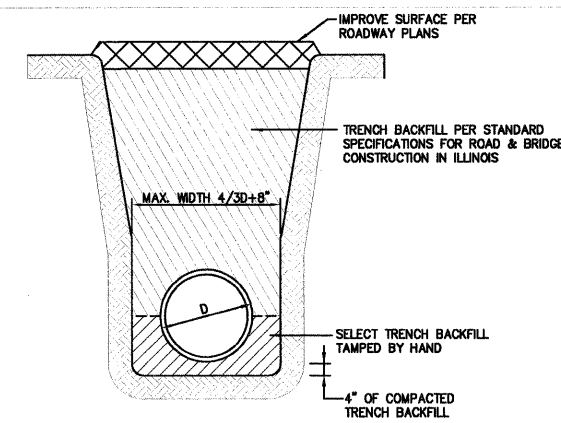
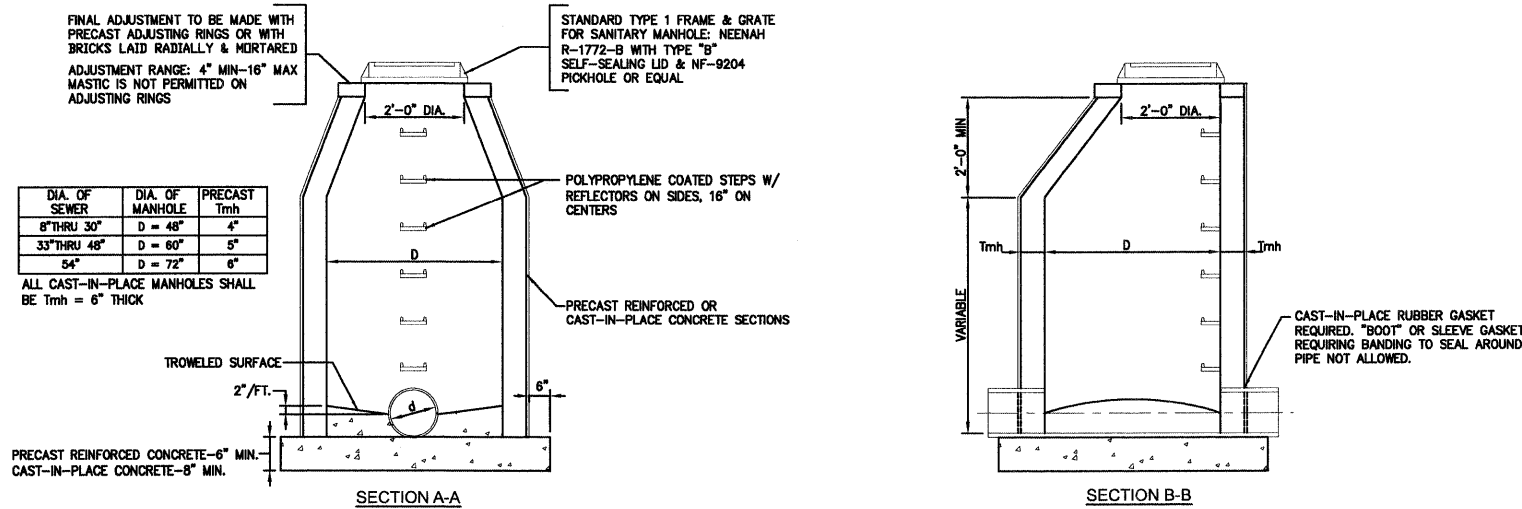
GENERAL NOTES

1. THE STANDARD SPECIFICATIONS FOR WATER AND SEWER MAIN CONSTRUCTION IN ILLINOIS 6TH EDITION SHALL APPLY TO THIS WORK (EXCEPT DIVISION I).
2. THE UTILITY COMPANIES HAVE BEEN NOTIFIED OF THE IMPENDING PROJECT. EXISTING UNDERGROUND UTILITIES WERE NOT FIELD LOCATED FOR THE PREPARATION OF THE PLANS. THE CONTRACTOR SHALL HAVE THE RESPONSIBILITY BEFORE ANY CONSTRUCTION WORK HAS BEGUN, OF OBTAINING FROM ALL UTILITIES THE EXACT LOCATION OF ANY UNDERGROUND FACILITIES IN THE AREA OF CONSTRUCTION, WHETHER INDICATED ON THE PLANS OR NOT. ANY FACILITIES DISTURBED BY THE CONTRACTOR SHALL BE RESTORED BY HIM AT HIS OWN EXPENSE. THE CONTRACTOR SHALL COORDINATE WITH THE PROPER UTILITY THE RELOCATION OF ANY FACILITY DESIGNATED ON THE PLANS OR DEEMED NECESSARY TO BE RELOCATED BY THE ENGINEER IN ORDER TO COMPLETE CONSTRUCTION OF THE PROJECT.
3. GRAVITY SANITARY SEWER PIPE SHALL BE: PVC SDR-26 ASTM D3034, JOINTS-SINGLE GASKET RUBBER, ASTM F-477, MAIN AND FITTINGS SHALL BE INSTALLED PER ASTM D2321.
4. WATER SUPPLIES SHALL BE PROTECTED PER SECTION 370.350 OF THE ILLINOIS RECOMMENDED STANDARDS FOR SEWAGE WORKS.
5. GRAVITY SANITARY SEWER SHALL BE AIR TESTED AND DEFLECTION TESTED PER SECTION 31.1.11B OF THE STANDARD SPECIFICATION FOR WATER AND SEWER MAIN CONSTRUCTION IN ILLINOIS, LATEST EDITION.



MANHOLE NOTES:

1. MANHOLE COVER ON SANITARY AND COMBINATION SEWERS SHALL BE CLOSED TYPE, ON STORM SEWERS THEY SHALL BE OPEN TYPE.
2. ALL SANITARY SEWER MANHOLES TO BE WATER TIGHT.
3. ALL MANHOLES TO BE BACKFILLED WITH SELECT POROUS GRANULAR MATERIAL.
4. 8" THRU 24" DIAMETER SEWERS TO BE LAID THROUGH MANHOLES WITH FITTINGS FOR JUNCTIONS IF REQUIRED AND TOP HALF BROKEN OUT. (SANITARY ONLY).



1 Standard Sanitary Manhole Type A

Scale: Not to Scale

FILE NAME -	USER NAME - #USER#	DESIGNED - RJB/ACH	REVISED -
0890198_San DETAIL 5 west.dgn		DRAWN - JTC	REVISED -
	PLOT SCALE = #SCALE#	CHECKED - ACH	REVISED -
	PLOT DATE = 10/19/2010	DATE - 10/19/10	REVISED -

CITY OF EFFINGHAM

**RICKELMAN AVE (FAU 8376) SECTION 07-00112-00-PV
SANITARY SEWER DETAILS & GENERAL NOTES**

SCALE: N.T.S. SHEET NO. OF SHEETS STA. 13+60.0 TO STA. 24+60.0

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
8376	07-00112-00-PV	EFFINGHAM	53	32
FED. ROAD DIST. NO.			ILLINOIS FED. AID PROJECT	
			CONTRACT NO. 95635	

FARNSWORTH GROUP, INC.

CONSULTING ENGINEERS - 104 NORTH SECOND STREET, SUITE A, EFFINGHAM, IL 62401 (217)342-5668 / (217)342-5853 FAX

IL 45 TO EAST OF BOX

Benchmarks: 1.) Iron rod in power pole, Sta. 22+29/38' LT, Elev. 599.18

2.) Top of cap bolt on hydrant in front of house #805 on Rickelman Ave., Sta. 25+61/23' RT, Elev. 604.03

Existing Structure:

The existing structure consists of a 7' x 5.5' reinforced concrete box culvert with concrete wingwalls. The culvert length is approximately 40'-0". One lane of traffic will be maintained utilizing stage construction.

No Salvage.

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

DESIGN SPECIFICATIONS

AASHTO 2002

DESIGN STRESSES

FIELD UNITS

$f'_c = 3,500$ psi (Cast-In-Place)
 $f_y = 60,000$ psi (Reinforcement)

PRECAST UNITS

$f'_c = 5,000$ psi (Precast)
 $f_y = 60,000$ psi (Reinforcement)
 $f_y = 65,000$ psi (Welded Wire Fabric)

LOADING HS20-44

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

WATERWAY INFORMATION

Drainage Area = 1.08 Sq. Mi.		Existing Low Grade Elev. 595.96 @ Sta. 23+22.81		Proposed Low Grade Elev. 595.89 @ Sta. 23+23.00		
Flood	Freq. Yr.	Q C.F.S.	Opening Sq. Ft. Exist. Prop.	Nat. H.W.E.	*Head - Ft. Exist. Prop.	Headwater El. Exist. Prop.
Design	30	442	39 65	590.7	4.6 0.6	595.3 591.3
Base	100	593	39 75	591.8	4.0 0.2	595.8 592.0
Overlapping						
Max. Calc.	500					

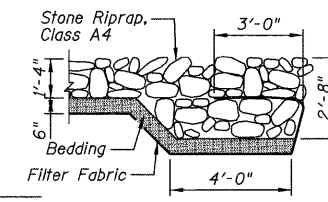
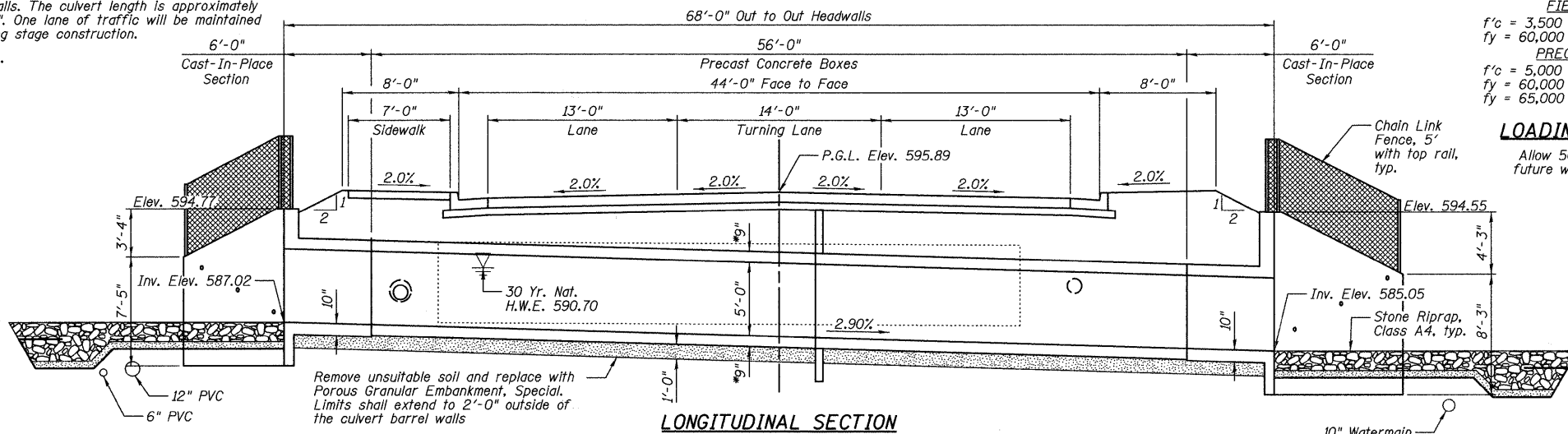
10 year velocity through Existing Structure = 11.34 fps
10 year velocity through Proposed Structure = 4.02 fps

TOTAL BILL OF MATERIAL - BOX CULVERT

ITEM	UNIT	TOTAL
Removal And Disposal Of Unsuitable Material	Cu Yd	62
Porous Granular Embankment, Special	Cu Yd	62
Stone Riprap, Class A4	Sq Yd	145
Filter Fabric	Sq Yd	145
Removal Of Existing Structures	Each	1
Reinforcement Bars	Pound	7,360
Temporary Sheet Piling	Sq Ft	626
Concrete Box Culverts	Cu Yd	45.1
Precast Concrete Box Culvert 9'x5'	Foot	112
Chain Link Fence, 5'	Foot	86

GENERAL NOTES

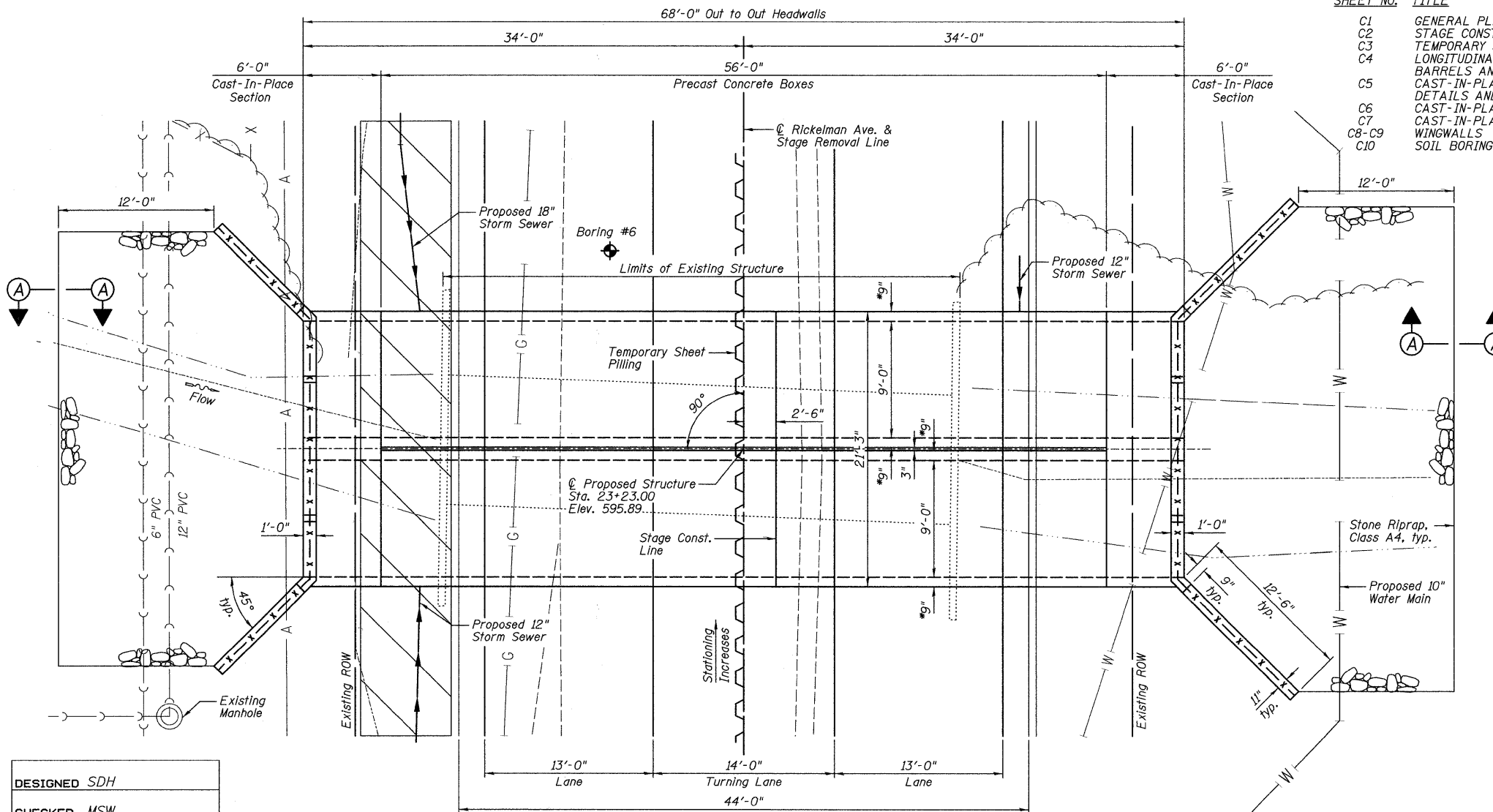
- 1.) Reinforcement bars shall conform to the requirements of ASTM A 706 Gr 60 (IL Modified). See Special Provisions.
- 2.) Layout of the slope protection system may be varied to suit ground conditions in the field as directed by the Engineer.
- 3.) Cast-In-Place concrete exposed edges shall be beveled $\frac{3}{4}$ ".
- 4.) It shall be the responsibility of the Contractor to divert the stream flow during construction in order to keep the construction area free of water. The method of water diversion shall be subject to the approval of the Engineer and the cost shall be included with the cost of "Concrete Box Culverts".
- 5.) Structural seal does not include design of precast elements.
- 6.) The precast concrete culvert sections shall be designed and manufactured in accordance with AASHTO M259 (ASTM C 789).
- 7.) For backfilling and embankment, see Standard Specifications.
- 8.) End of precast section shall not have a bell or spigot.
- 9.) Contractor to confirm all precast culvert dimensions with supplier before starting construction. All applicable cast-in-place concrete dimensions shall match precast culvert dimensions.
- 10.) See Sheet C10 for soil borings.
- 11.) The last section of precast culvert shall have reinforcing bars extending from the precast culvert as shown on Sheets C4-C7.
- 12.) The pay item "Removal and Disposal of Unsuitable Material" shall include the excavation of unsuitable material for a depth of 1'-0" below the structure for a width of 25'-3" within the limits of the toe walls as shown on the plans. The actual amount shall be determined in the field by the Engineer.
- 13.) The pay item "Porous Granular Embankment, Special" shall include the placement of CA-7 below the structure for a width of 25'-3" within the limits of the toe walls as shown on the plans. The actual amount shall be determined in the field by the Engineer.
- 14.) The Contractor shall reshape the channel within the Easement in order to facilitate drainage and the placement of riprap as directed by the Engineer. The cost of reshaping the channel shall be included in the cost of "Removal of Existing Structures".
- 15.) At least 6'-0" of the culvert walls shall be poured with the wingwalls.



SECTION A-A

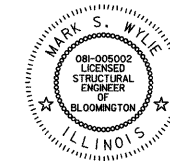
INDEX OF SHEETS

SHEET NO.	TITLE
C1	GENERAL PLAN AND ELEVATION
C2	STAGE CONSTRUCTION PLAN
C3	TEMPORARY SHEET PILING DETAIL
C4	LONGITUDINAL SECTION, SECTION THRU PRECAST BARRELS AND PRECAST END ELEVATION
C5	CAST-IN-PLACE CONCRETE CULVERT SECTION, DETAILS AND BILL OF MATERIAL
C6	CAST-IN-PLACE TOP SLAB PLAN AND SECTION
C7	CAST-IN-PLACE BOTTOM SLAB PLAN AND SECTION
C8-C9	WINGWALLS
C10	SOIL BORING LOGS

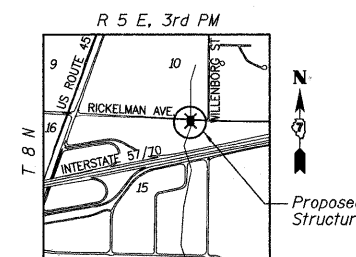


PLAN

I certify that to the best of my knowledge, information and belief, this box culvert design is structurally adequate for the design loading shown on the plans. The design is an economical one for the style of structure and complies with requirements of the current "AASHTO Standard Specifications for Highway Bridges".



Mark S. Wylie Date 10/19/10
MARK S. WYLIE
ILLINOIS STRUCTURAL ENGINEER
NO. 081-005002
Exp. Date 11/30/10



LOCATION SKETCH

GENERAL PLAN AND ELEVATION

DESIGNED	SDH
CHECKED	MSW
DRAWN	JWK
CHECKED	MSW

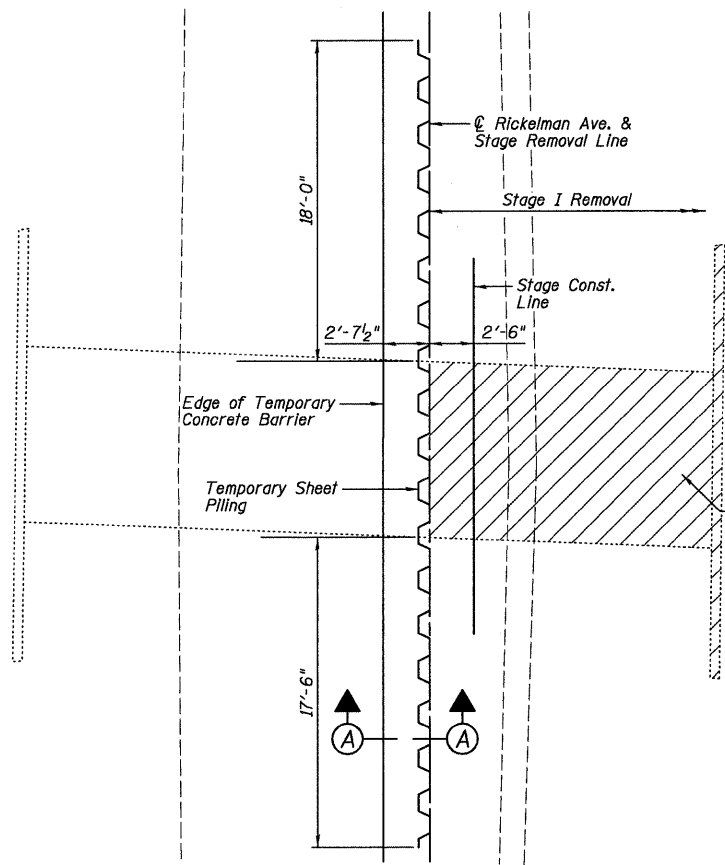
DATE 10/19/10

NOTES:

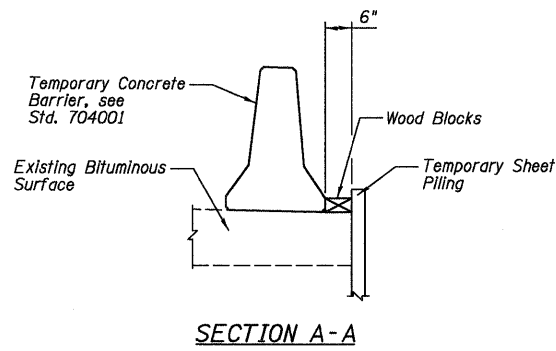
- 1.) *Confirm slab and wall thickness with Precaster.
- 2.) P.G.L. denotes Profile Grade Line.

SHEET NO. C1	F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
10 SHEETS		07-00112-00-PV	EFFINGHAM	53	33
			CONTRACT NO. 95635		
			FED. ROAD DIST. NO. 3 ILLINOIS FED. AID PROJECT		

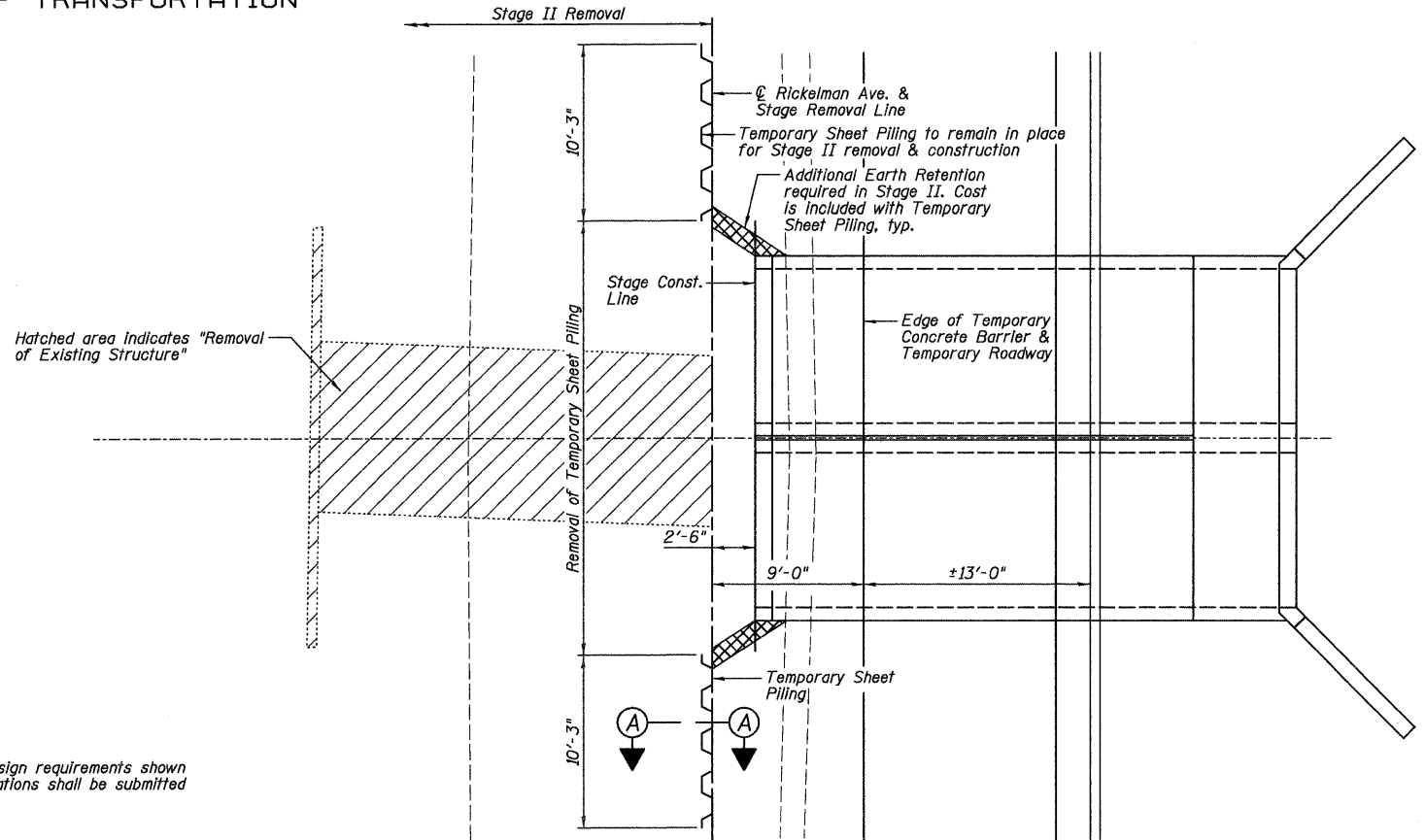
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION



STAGE I REMOVAL



SECTION A-A

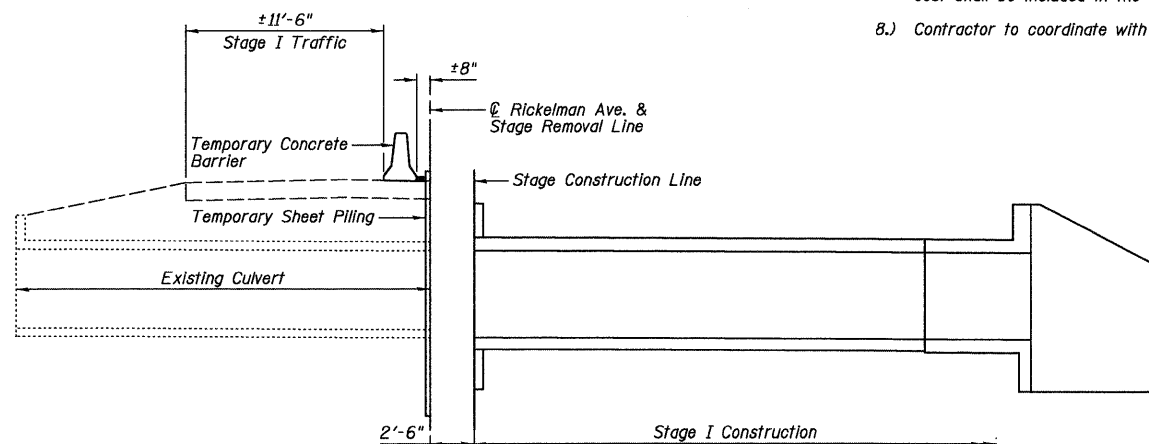


STAGE II REMOVAL

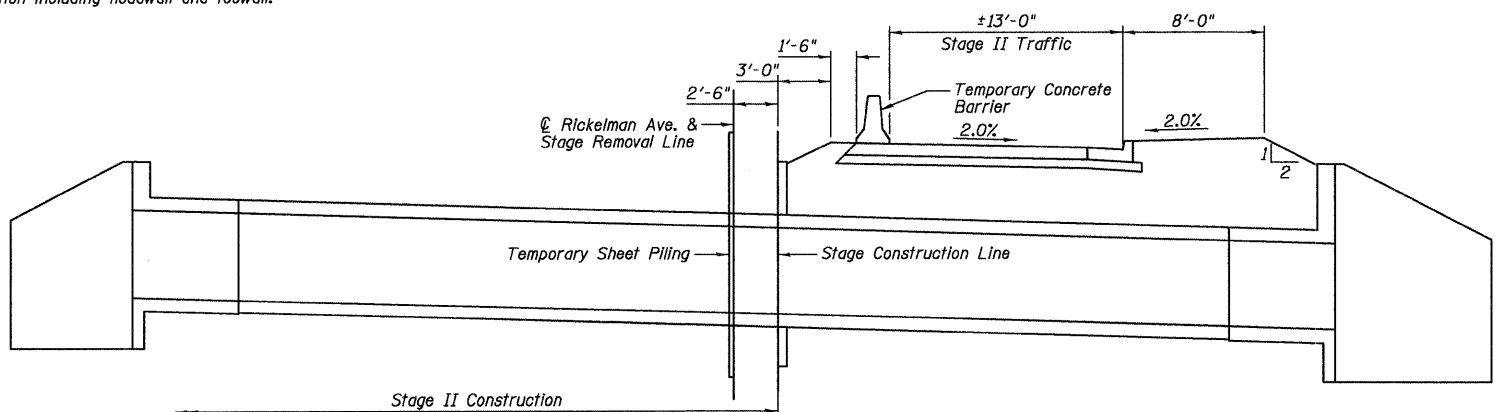


NOTES:

- 1.) If the Contractor chooses to alter the Temporary Sheet Piling design requirements shown on the plans, a sealed design submittal including plans and calculations shall be submitted to the Engineer for review and approval.
- 2.) See Sheet C3 for Temporary Sheet Piling Details.
- 3.) Within the width of the existing culvert, the Temporary Sheet Piling shall be placed in Stage I Removal. Contractor shall submit detailed plans to be approved by the Engineer showing how the earth and roadway material above the culvert shall be retained. At all times, a minimum cross sectional culvert area of 29 sq. ft. (75% of total opening) shall be maintained. The retained material above the culvert shall be adequately stable, in the judgment of the Engineer, to safely support the Temporary Concrete Barrier. Payment for the Temporary Sheet Piling shall include the area across the culvert width as if the Temporary Sheet Piling were continuous.
- 4.) The Contractor shall excavate behind existing sidewalls and saw cut existing sidewalls at the Stage Removal Line before removing the existing structure.
- 5.) Dimensions for Stage Construction are measured at right angles to the centerline of Rickelman Avenue.
- 6.) Quantities for Temporary Concrete Barrier are included in the roadway plans. See Standard 704001.
- 7.) It shall be the responsibility of the Contractor to divert the stream flow during construction in order to keep the construction area free of water. The water table shall be lowered below the bottom of the wingwalls and cutoff walls. The method of water diversion shall be subject to the approval of the Engineer and the cost shall be included in the Pay Item "Concrete Box Culverts."
- 8.) Contractor to coordinate with Precaster to determine precast section including headwall and toewall.



STAGE I CONSTRUCTION



STAGE II CONSTRUCTION

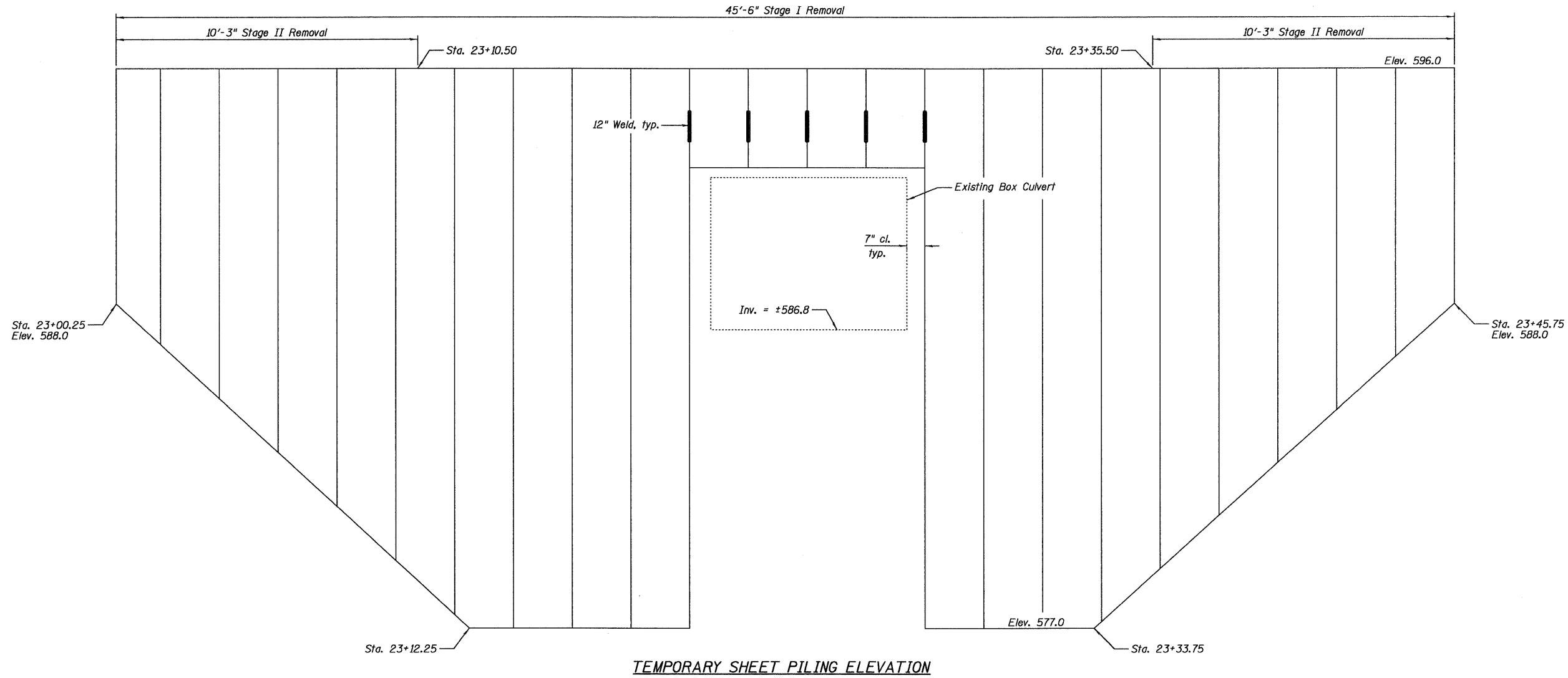
STAGE CONSTRUCTION PLAN

DESIGNED	SDH
CHECKED	MSW
DRAWN	JWK
CHECKED	MSW

DATE 10/19/10

SHEET NO. C2	F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	10 SHEETS	07-00112-00-PV	EFFINGHAM	53	34
			CONTRACT NO. 95635		
FED. ROAD DIST. NO. 3 ILLINOIS FED. AID PROJECT					

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION



TEMPORARY SHEET PILING ELEVATION

TEMPORARY SHEET PILING DATA

Min. Section Modulus = 14.6 In³/ft.
Area = 626 ft²

NOTES:

- 1.) Contractor to confirm location of the existing culvert before driving sheet piling.
- 2.) The unit price bid for Temporary Sheet Piling shall also include any "Block Outs" or cutting necessary for utilities.

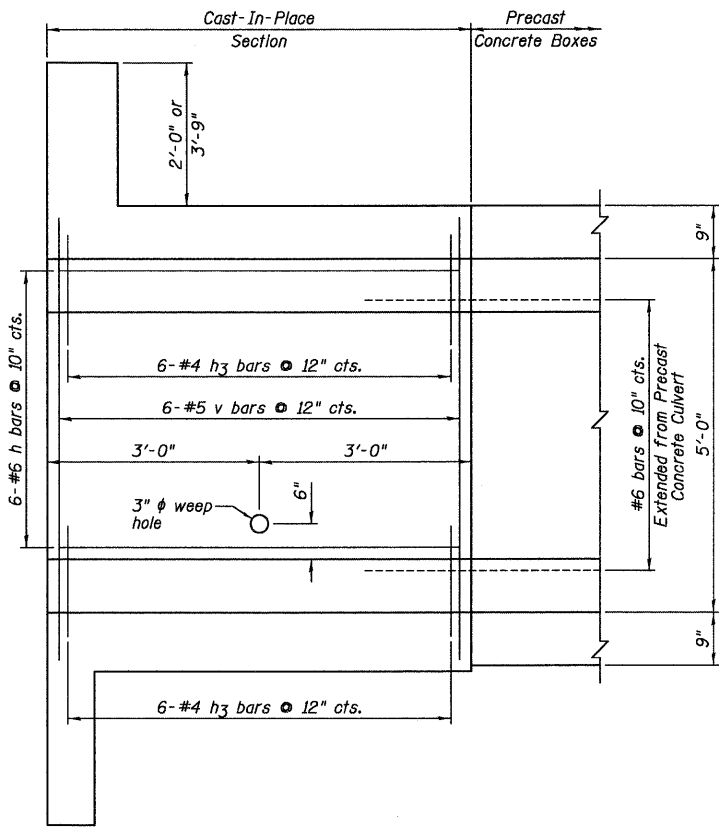
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DRAWN	JWK
CHECKED	MSW

DATE 10/19/10

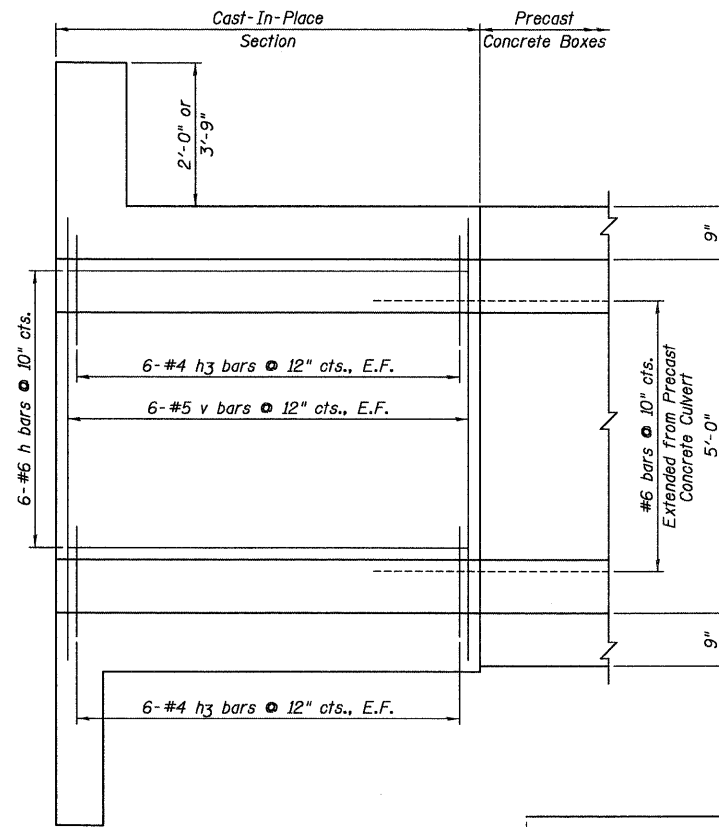
TEMPORARY SHEET PILING DETAIL

SHEET NO. C3	F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
		07-00112-00-PV	EFFINGHAM	53	35
10 SHEETS	CONTRACT NO. 95635				
FED. ROAD DIST. NO. 3 ILLINOIS FED. AID PROJECT					

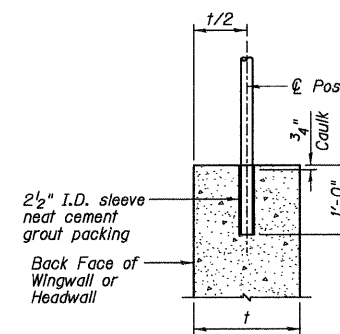
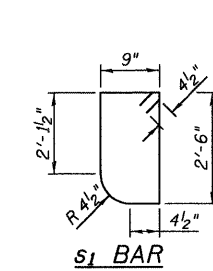
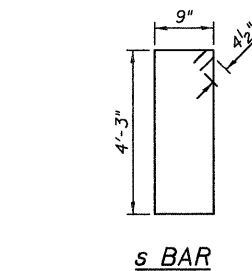
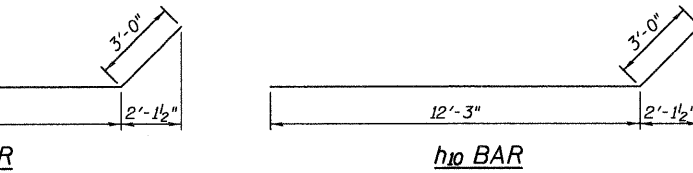
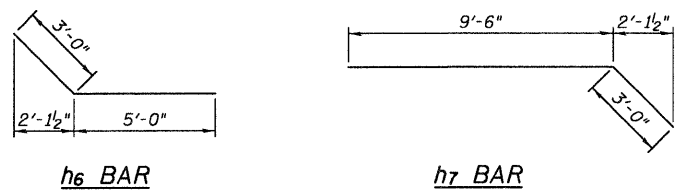
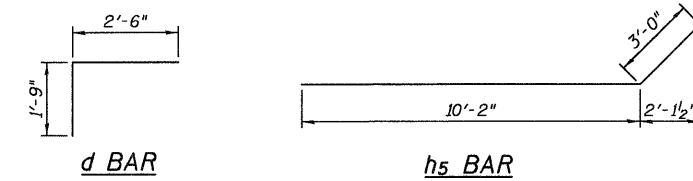
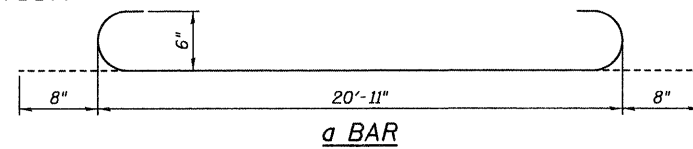
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION



EXTERIOR WALL



INTERIOR WALL

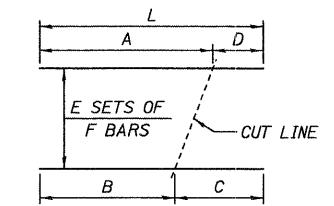


CHAIN LINK FENCE
POST ANCHORAGE DETAIL

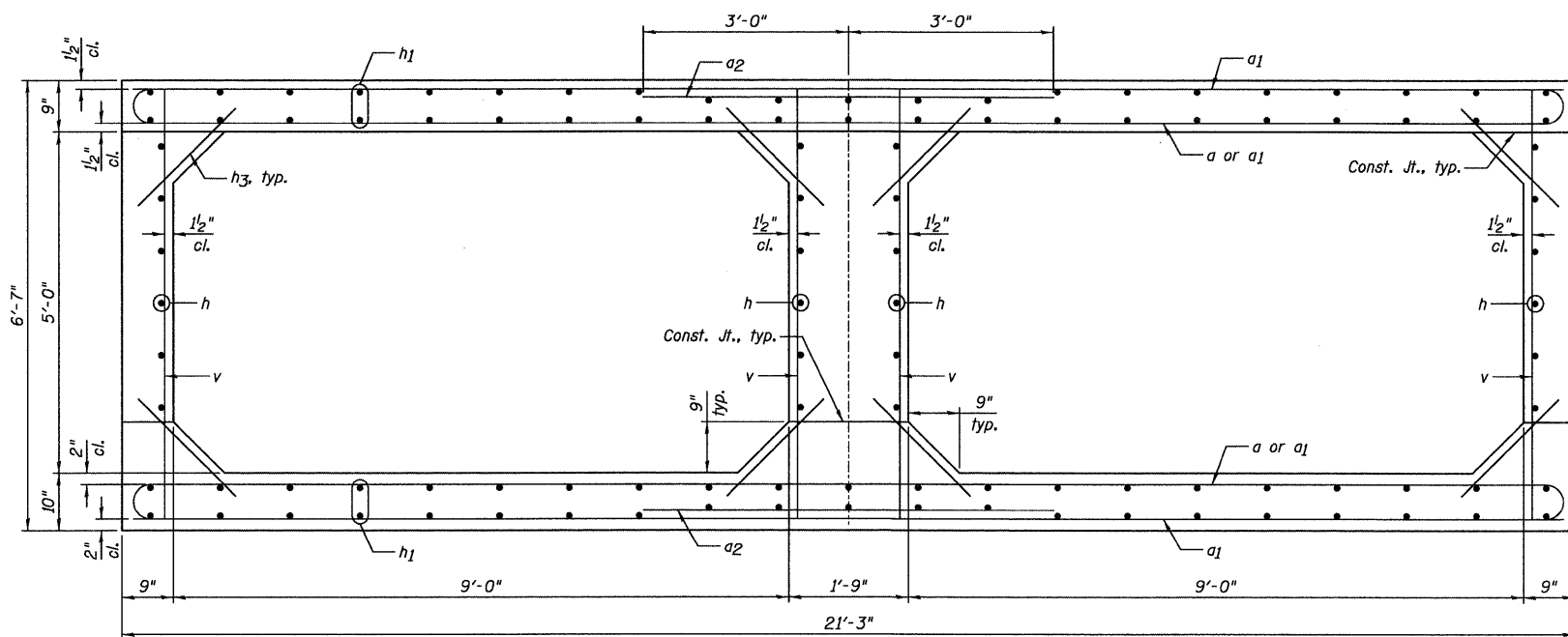
CAST-IN-PLACE CULVERT
BILL OF MATERIAL

Bar	No.	Size	Length	Shape
a	22	#6	22'-3"	U
a1	46	#6	20'-11"	U
a2	24	#6	6'-0"	U
d	42	#4	4'-3"	L
h	48	#6	5'-8"	U
h1	176	#5	5'-8"	U
h2	16	#6	20'-0"	U
h3	96	#4	1'-11"	U
h4	6	#4	20'-11"	U
h5	14	#6	13'-2"	U
h6	20	#5	8'-0"	U
h7	10	#6	12'-6"	U
h8	10	#6	9'-3"	U
h9	14	#7	15'-11"	U
h10	10	#7	15'-3"	U
h11	12	#7	12'-0"	U
s	21	#4	10'-9"	U
s1	21	#4	7'-1"	U
v	52	#5	6'-3"	U
v1	7	#4	17'-6"	U
v2	3	#4	19'-8"	U
v3	9	#4	20'-1"	U
v4	3	#4	23'-3"	U
Item		Unit	Quantity	
Reinforcement Bars		Pound	7,360	
Concrete Box Culverts		Cu. Yd.	45.1	

BAR CUTTING DIAGRAM



BAR	A	B	C	D	E	F	L
v1	10'-5"	7'-1"	10'-5"	7'-1"	1	7	17'-6"
v2	10'-5"	9'-3"	10'-5"	9'-3"	1	3	19'-8"
v3	12'-2"	7'-11"	12'-2"	7'-11"	1	9	20'-1"
v4	12'-2"	11'-1"	12'-2"	11'-1"	1	3	23'-3"



SECTION THRU CAST-IN-PLACE CONCRETE BARRELS

DESIGNED	SDH
CHECKED	MSW
DRAWN	JWK
CHECKED	MSW

DATE 10/19/10

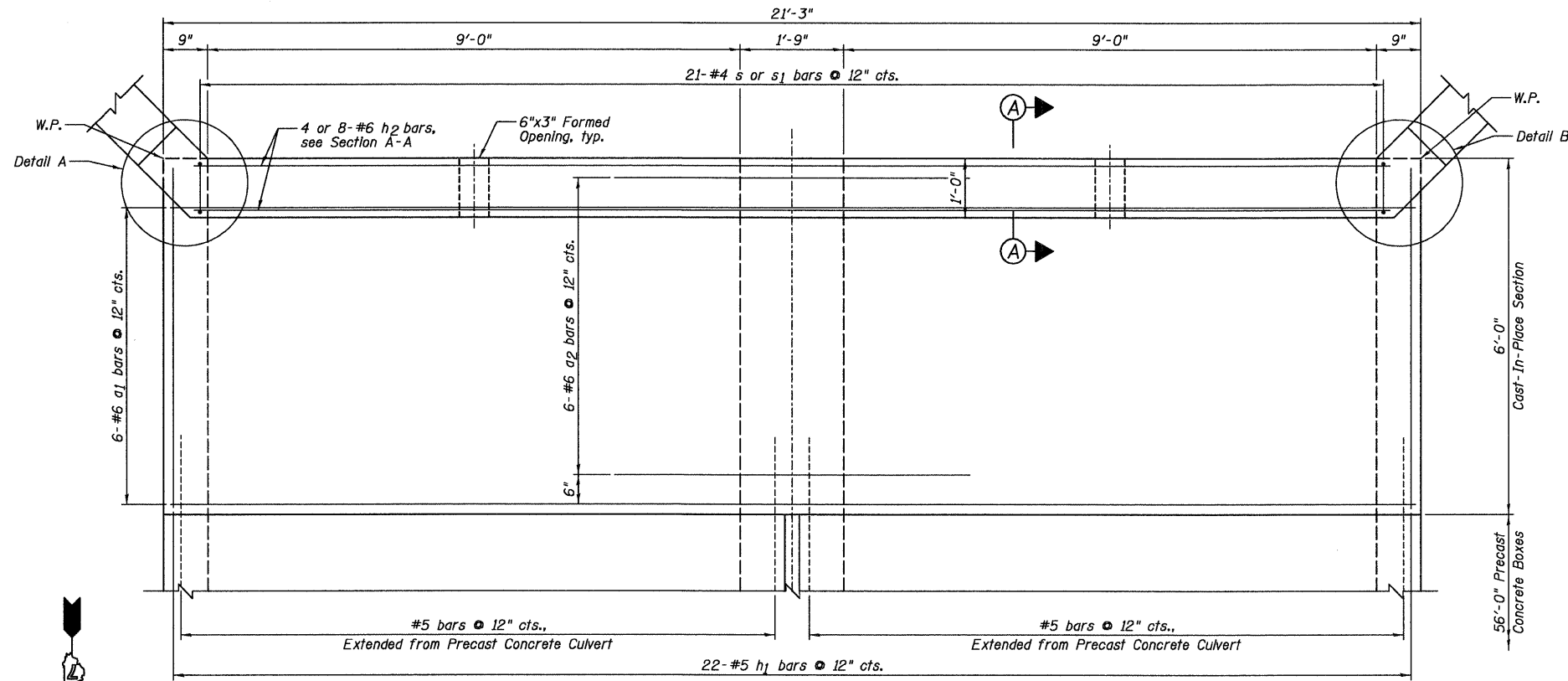
FARNSWORTH GROUP, INC.

CONSULTING ENGINEERS - 104 N. SECOND ST., SUITE A, EFFINGHAM, ILLINOIS 62401 (217) 342-5668 / (217) 342-5853 FAX

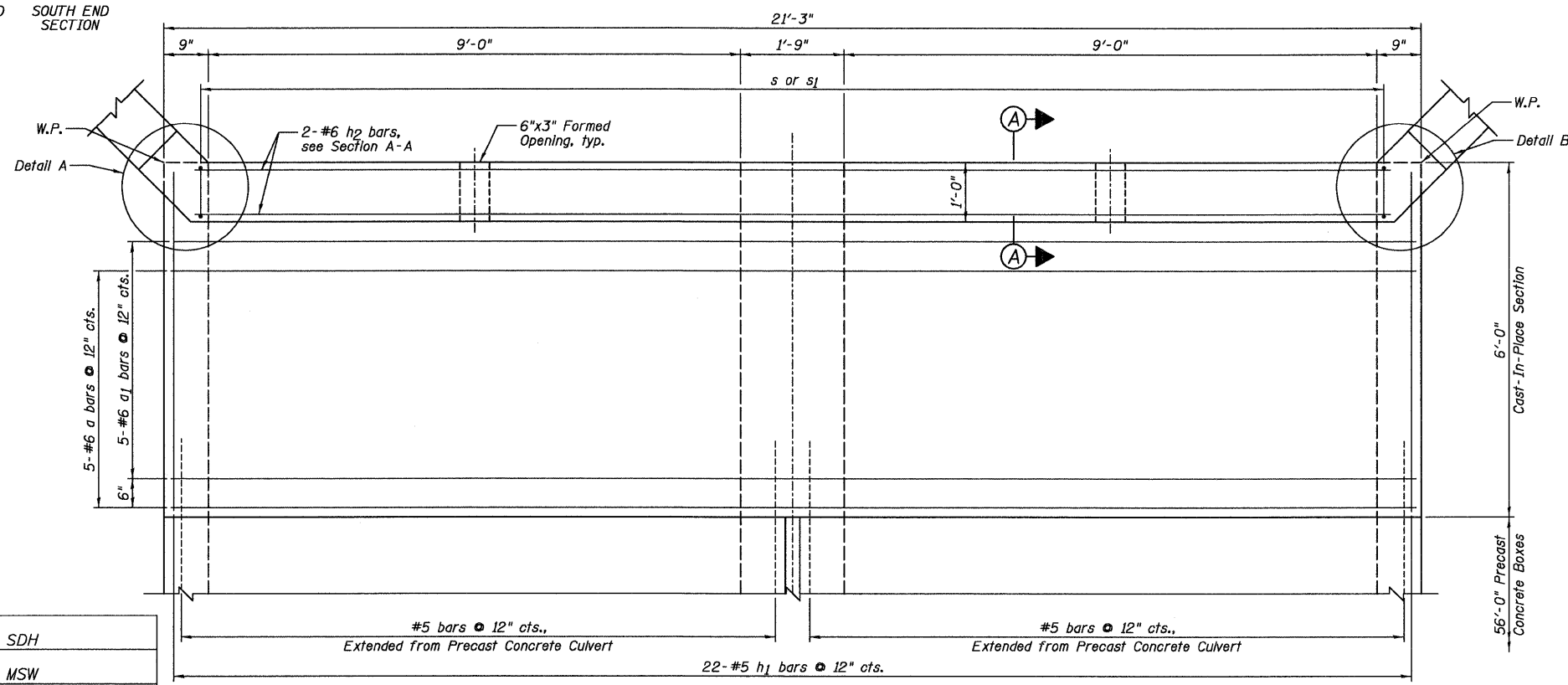
NOTES:
1.) Chain Link Fence shall have a 1 5/8" O.D. top post.
2.) Maximum Chain Link Fence post spacing = 6'-0"

SHEET NO. C5	F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
10 SHEETS		07-00112-00-PV	EFFINGHAM	53	37
			CONTRACT NO. 95635		
FED. ROAD DIST. NO. 3 ILLINOIS FED. AID PROJECT					

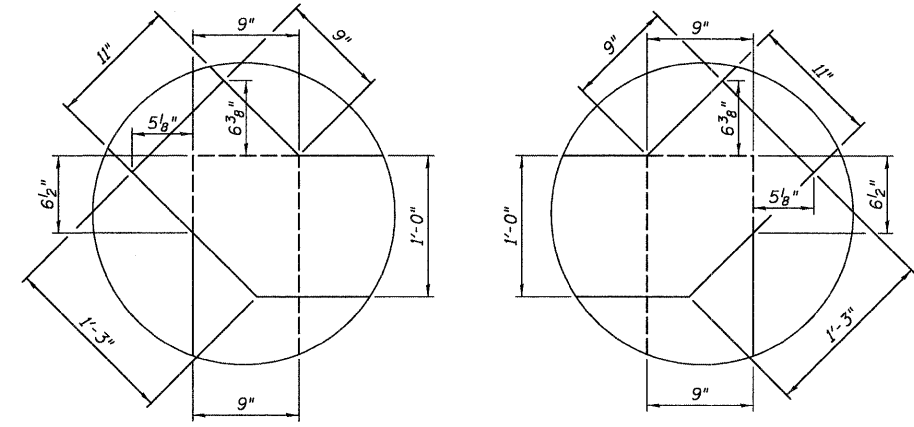
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION



TOP MAT OF REINFORCEMENT PLAN

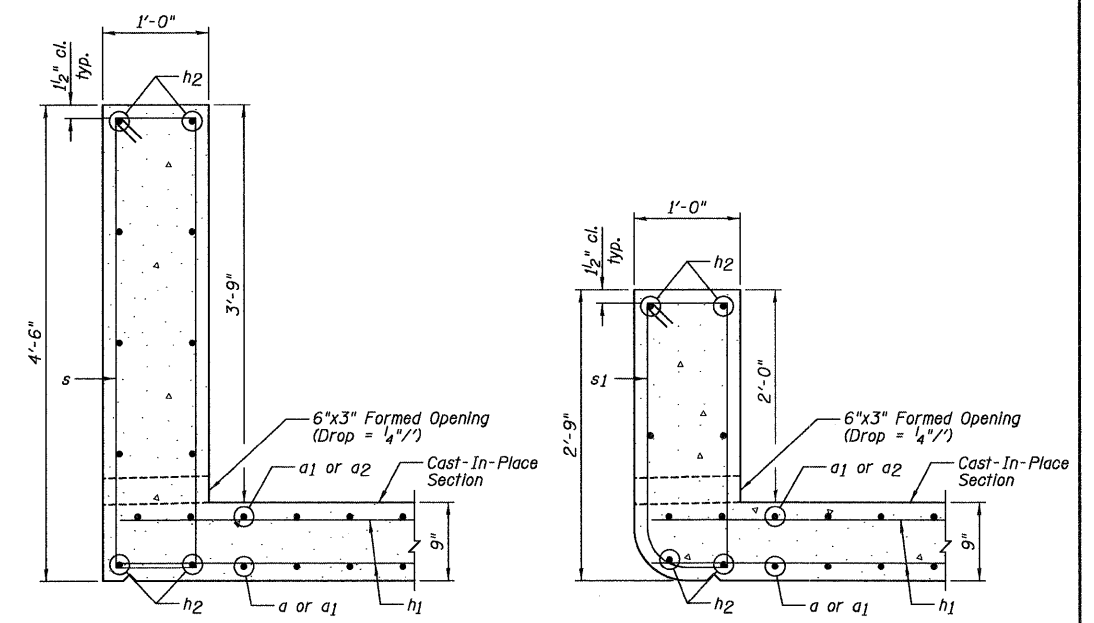


BOTTOM MAT OF REINFORCEMENT PLAN



DETAIL A

DETAIL B

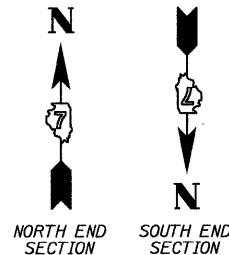


DOWNSTREAM HEADWALL

UPSTREAM HEADWALL

SECTION A-A

CAST-IN-PLACE TOP
SLAB PLAN AND SECTION



DESIGNED	SDH
CHECKED	MSW
DRAWN	JWK
CHECKED	MSW

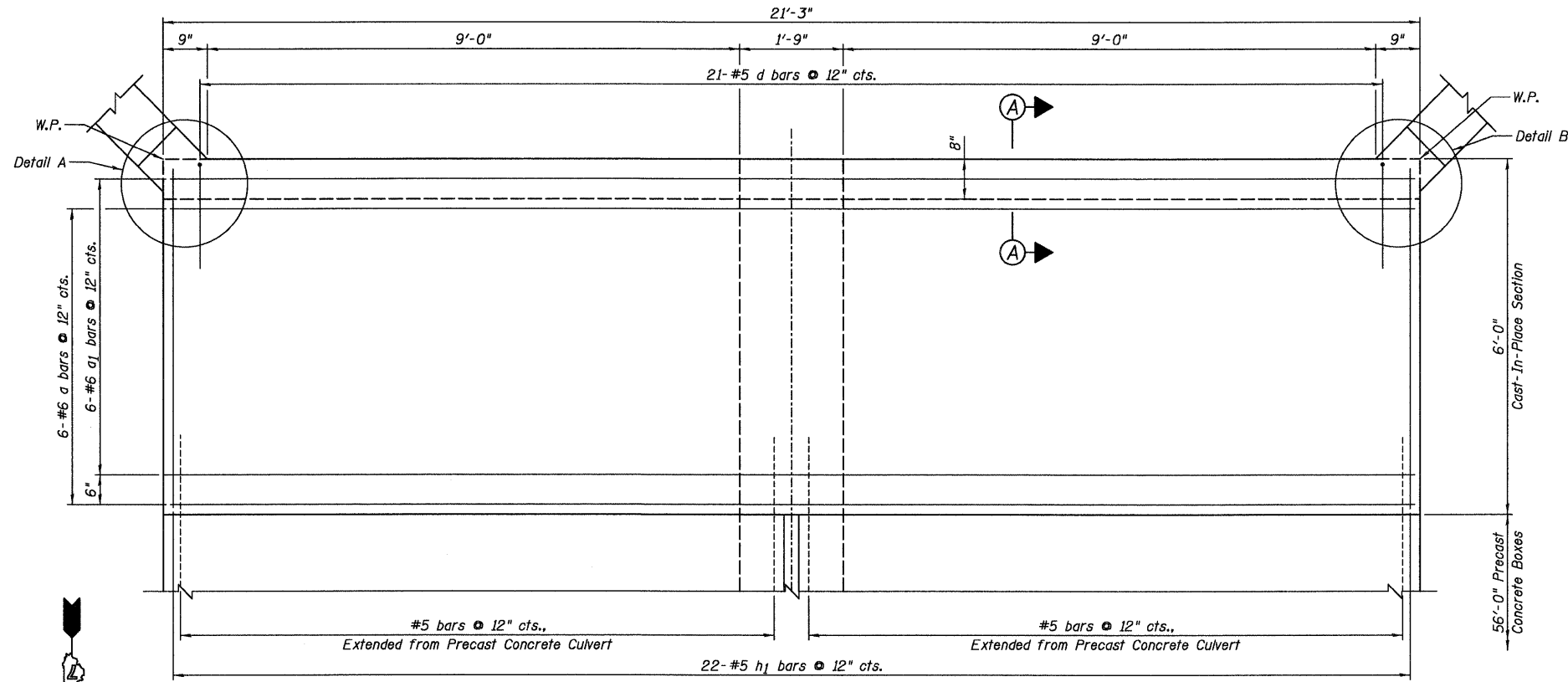
DATE 10/19/10

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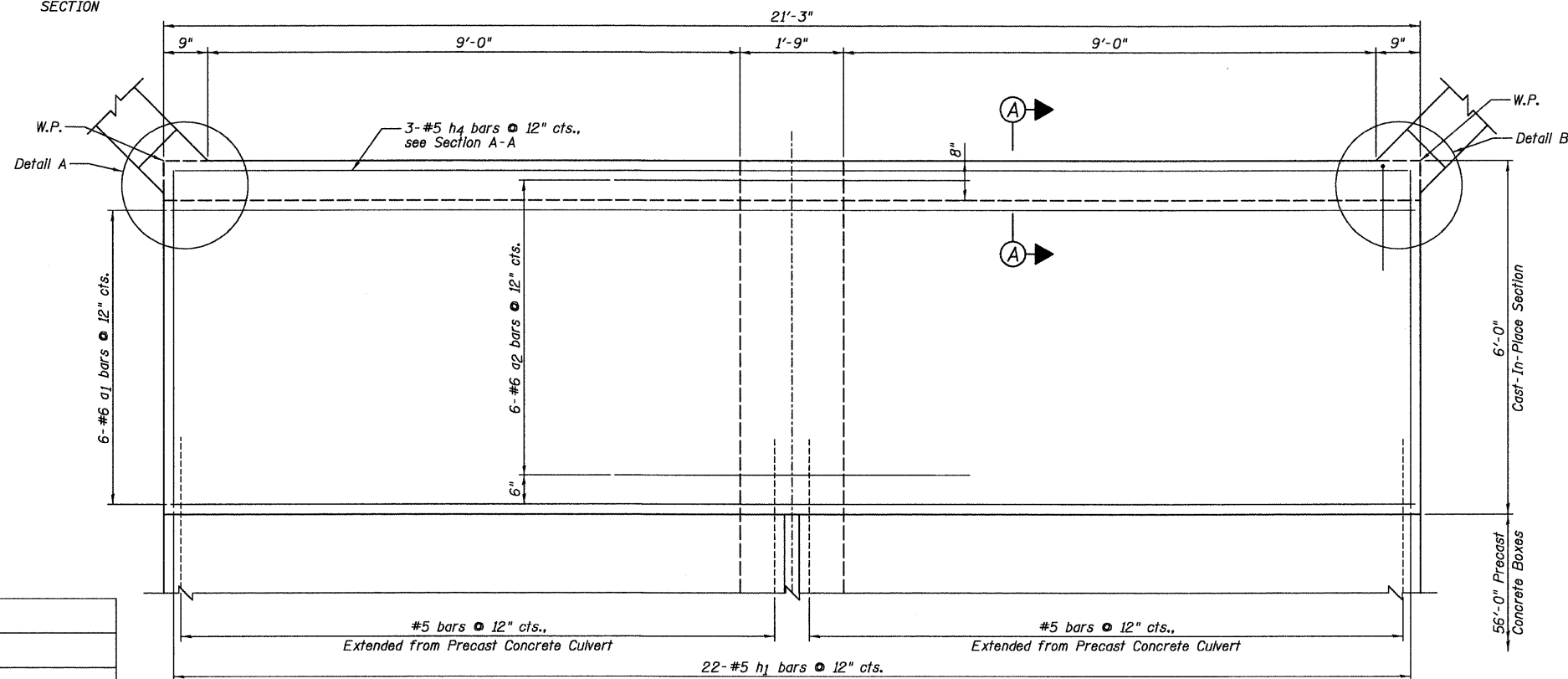
- 1.) For Bill of Material, see Sheet C5.
- 2.) W.P. denotes Working Point.

SHEET NO. C6	F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	10 SHEETS	07-00112-00-PV	EFFINGHAM	53	38
			CONTRACT NO. 95635		
FED. ROAD DIST. NO. 3 ILLINOIS FED. AID PROJECT					

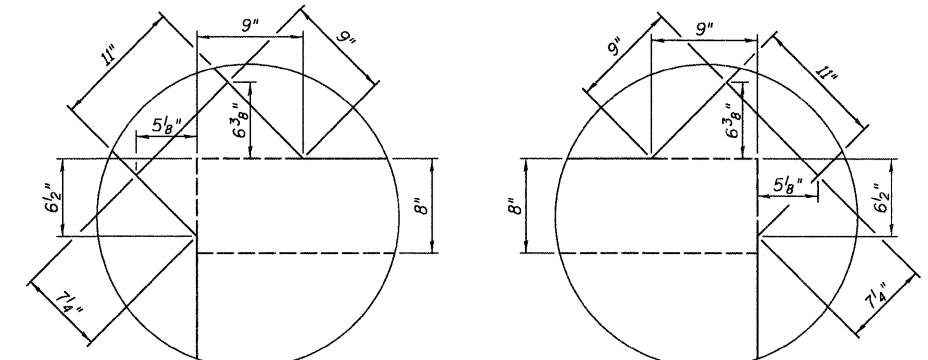
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION



TOP MAT OF REINFORCEMENT PLAN

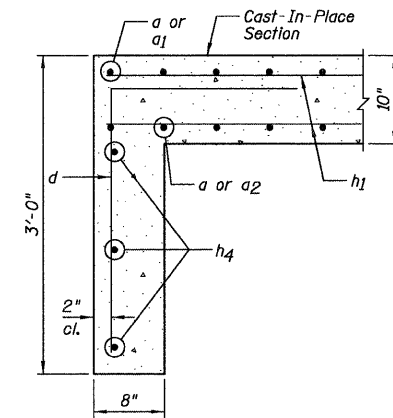


BOTTOM MAT OF REINFORCEMENT PLAN

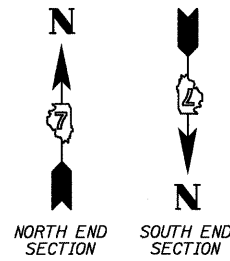


DETAIL A

DETAIL B



SECTION A-A



DESIGNED	SDH
CHECKED	MSW
DRAWN	JWK
CHECKED	MSW

DATE 10/19/10

FARNSWORTH GROUP, INC.

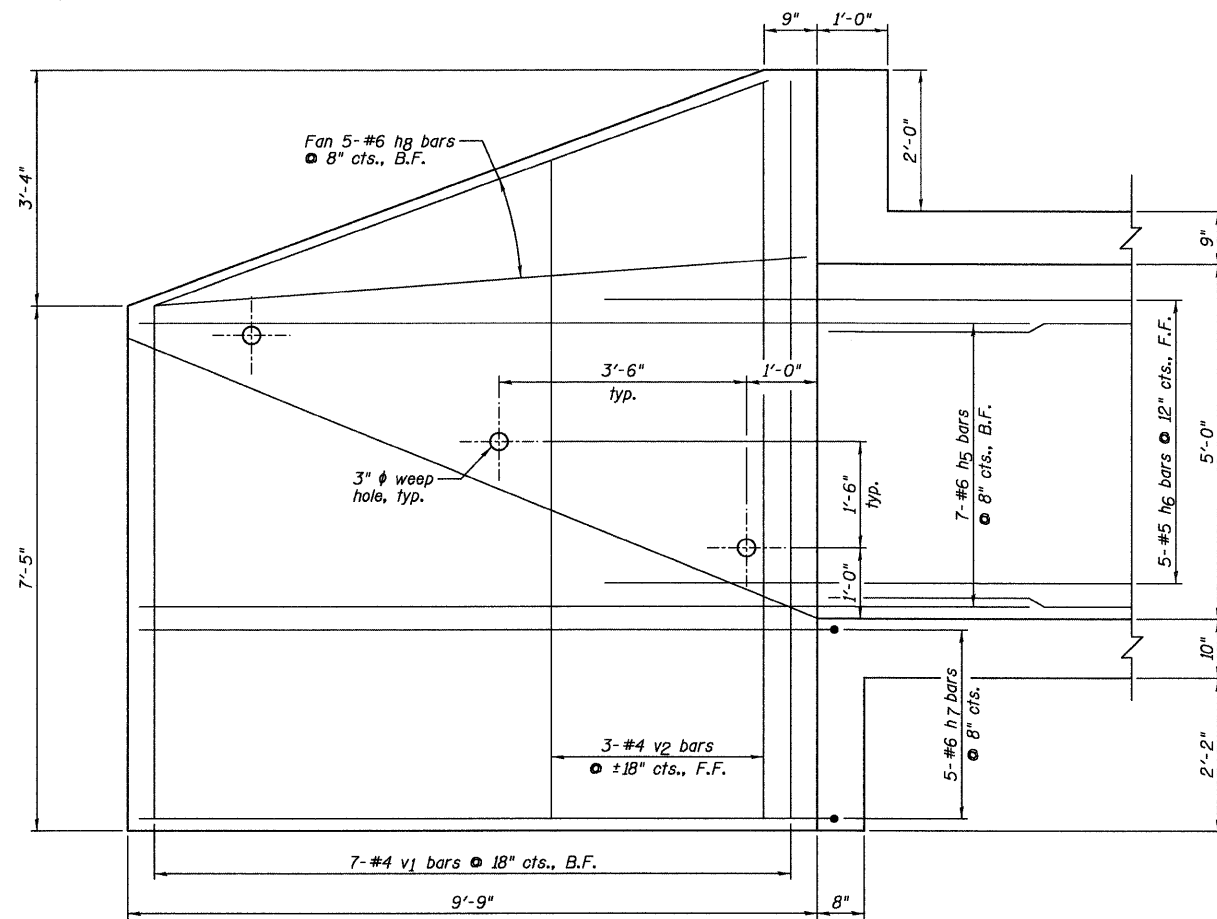
NOTES:

- 1.) For Bill of Material, see Sheet C5.
- 2.) W.P. denotes Working Point.

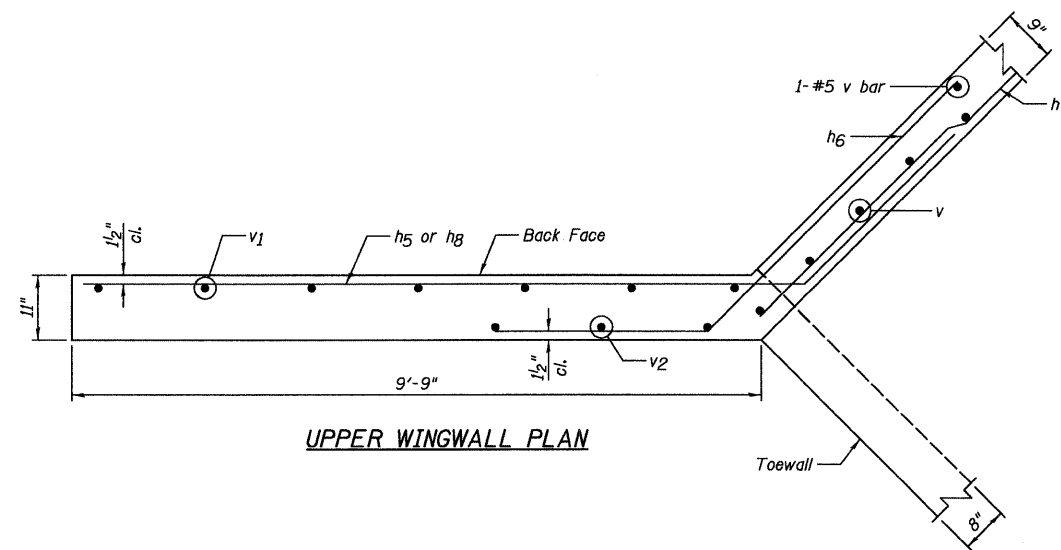
CAST-IN-PLACE BOTTOM
SLAB PLAN AND SECTION

SHEET NO. C7	F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	10 SHEETS	07-00112-00-PV	EFFINGHAM	53	39
			CONTRACT NO. 95635		
FED. ROAD DIST. NO. 3 ILLINOIS FED. AID PROJECT					

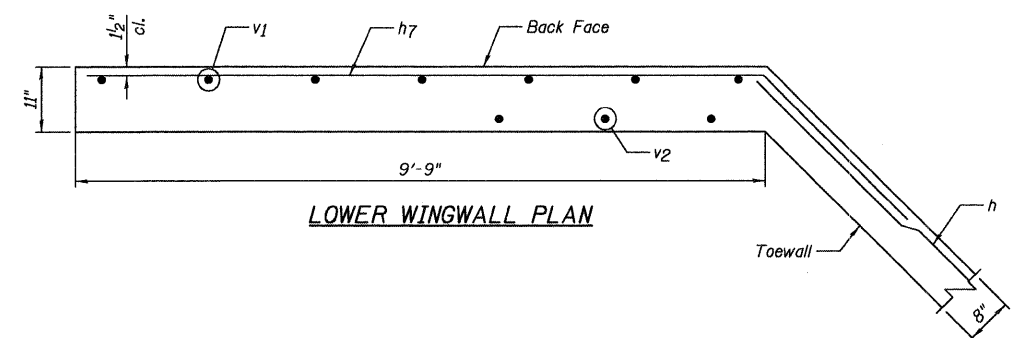
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION



NORTH WINGWALL ELEVATION
(Chain Link Fence not shown for clarity.)



UPPER WINGWALL PLAN



LOWER WINGWALL PLAN

WINGWALLS

DESIGNED	SDH
CHECKED	MSW
DRAWN	JWK
CHECKED	MSW

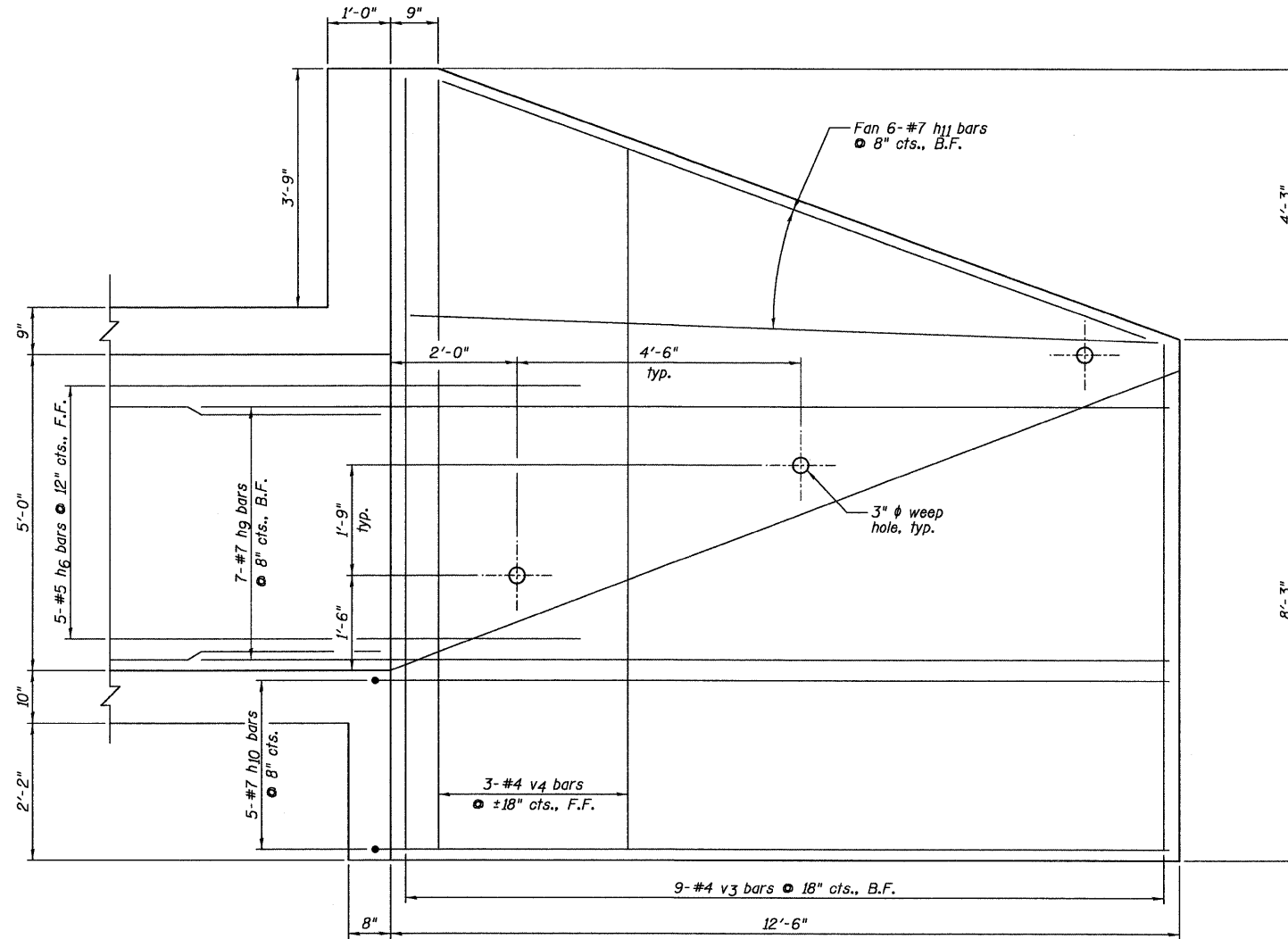
DATE 10/19/10

NOTES:

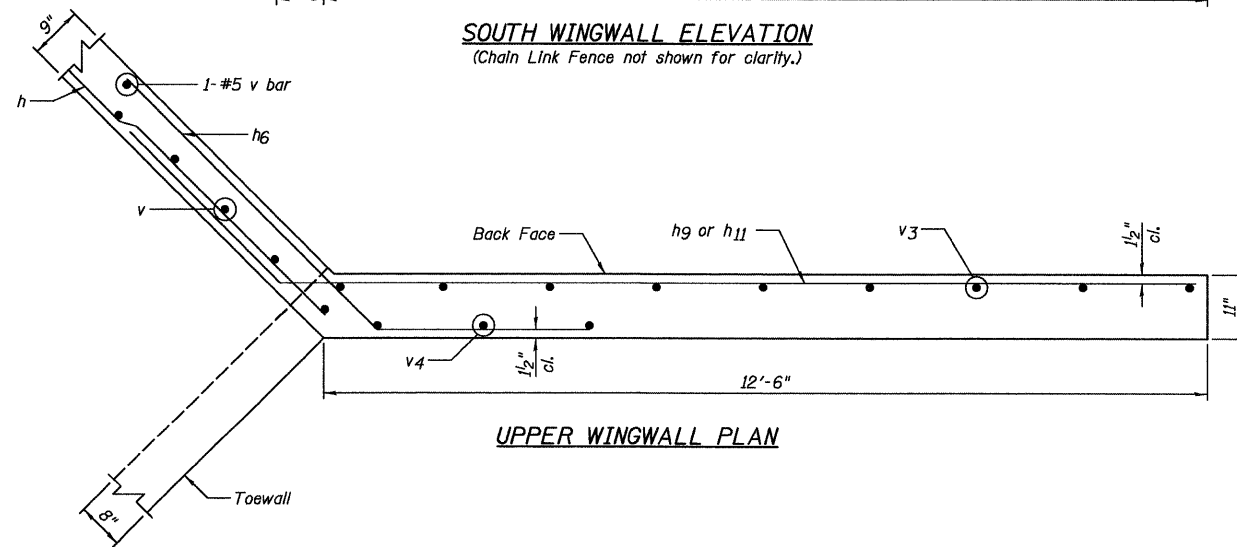
- 1.) For Bill of Material, see Sheet C5.
- 2.) B.F. denotes Back Face and F.F. denotes Front Face.
- 3.) Order v1 and v2 bars full length. Cut according to the Bar Cutting Diagram on Sheet C5. Use remainder of bars in adjacent wingwall.

SHEET NO. C8	F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
		07-00112-00-PV	EFFINGHAM	53	40
10 SHEETS	CONTRACT NO. 95635				
FED. ROAD DIST. NO. 3 ILLINOIS FED. AID PROJECT					

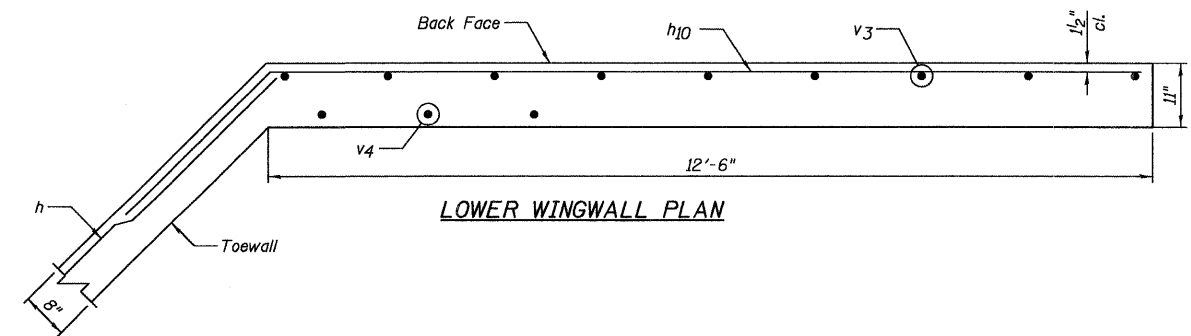
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION



SOUTH WINGWALL ELEVATION
(Chain Link Fence not shown for clarity.)



UPPER WINGWALL PLAN



LOWER WINGWALL PLAN

DESIGNED	SDH
CHECKED	MSW
DRAWN	JWK
CHECKED	MSW

DATE 10/19/10

NOTES:

- 1.) For Bill of Material, see Sheet C5.
- 2.) B.F. denotes Back Face and F.F. denotes Front Face.
- 3.) Order v3 and v4 bars full length. Cut according to the Bar Cutting Diagram on Sheet C5. Use remainder of bars in adjacent wingwall.

WINGWALLS

SHEET NO. C9	F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
		07-00112-00-PV	EFFINGHAM	53	41
10 SHEETS	CONTRACT NO. 95635				
FED. ROAD DIST. NO. 3 ILLINOIS FED. AID PROJECT					

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SOIL BORING LOG
midwest engineering services, inc.

Project Name: Proposed Box Culvert Replacement
Location: Rickleman Avenue
East of US Route 45
Effingham, Illinois

Boring: B-6
Project No.: 1-93033
Date of Boring: May 5, 2009
Field Representative: JR Muse

VISUAL SOIL CLASSIFICATION	FT.	SAMPLE NO.	N	Q _p (tsf)	Q _u (tsf)	MC (%)	Dd (pcf)	REMARKS
Ground Surface Elevation:								
3" Oil & Chip		1-AU	-	-	-	12	-	Dry during and upon completion
5" Sand and Gravel								
Brown CLAY		2-SS	5	1.3	-	13		
	5							
Brown silty clay LOAM		3-SS	4	1.8	-	17		
Brown silty CLAY		4-SS	9	1.8	-	17		
	10							
Brown silty LOAM		5-SS	54	1.0	0.6	15	121	
		6-SS	70	4.0	-	8	-	
	15							
Gray fine silty SAND		7-SS	40	-	-	13	-	
Gray clay LOAM	20							
		8-SS	61	4.5+	-	9	-	
END OF BORING AT 21.5 FEET								

Lines of Demarcation represent an approximate boundary between soil types. Variations may occur between sampling intervals and between boring locations, and the transition may be gradual. Dashed lines are indicative of potentially erratic or unknown changes, such as fill-to-natural soil zone transitions.

DESIGNED SDH
CHECKED MSW
DRAWN JWK
CHECKED MSW

DATE 10/19/10

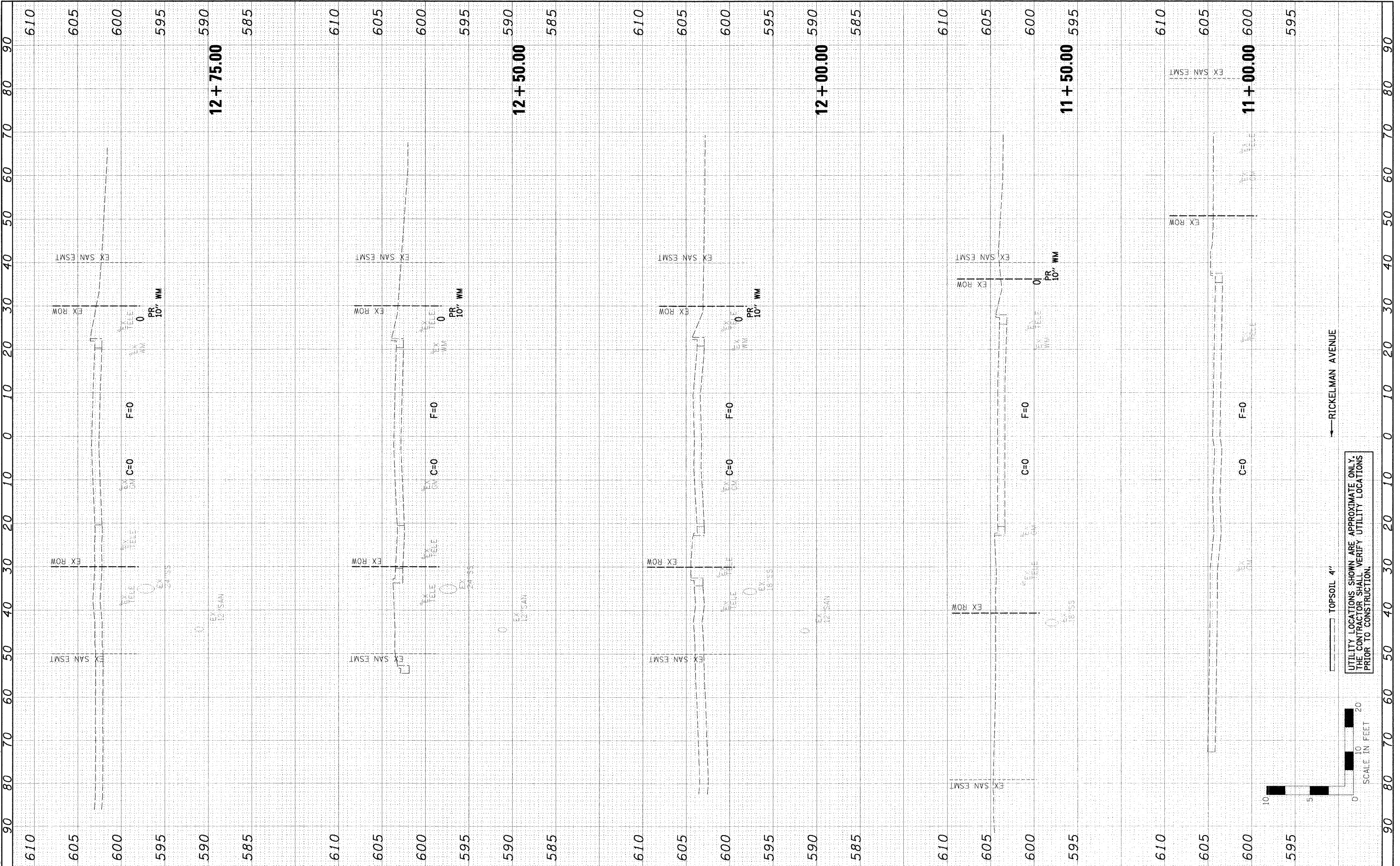
SOIL BORING LOGS

SHEET NO. C9	F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
		07-00112-00-PV	EFFINGHAM	53	42
10 SHEETS	CONTRACT NO. 95635				
FED. ROAD DIST. NO. 3 ILLINOIS FED. AID PROJECT					

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 DESIGNED: PSA
 DRAWN: JTC
 CHECKED: PJM
 DATE: 10/19/10

NOTE BOOK: TOPLEFT
 AREA: AREAS
 CHECKED: AREAS

IL 45 TO EAST OF BOX
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 10/19/2010
 10:08:30 PM



FILE NAME: 00990198_west-west.dgn	USER NAME: #USCR4	DESIGNED: PSA	REVISED: -	CITY OF EFFINGHAM	RICKELMAN AVE (FAU 8376) SECTION 07-00112-00-PV CROSS SECTIONS	F.A.U. RTE. 8376	SECTION 07-00112-00-PV	COUNTY EFFINGHAM	TOTAL SHEETS 53	SHEET NO. 43	
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PLOT DATE: 10/19/2010	DATE: 10/19/10	REVISED: -	REVISED: -								
FARNSWORTH GROUP, INC. CONSULTING ENGINEERS - 104 NORTH SECOND STREET, SUITE A, EFFINGHAM, IL 62401 (217)342-5668 / (217)342-5853 FAX											

← RICKELMAN AVENUE

TOPSOIL 4"

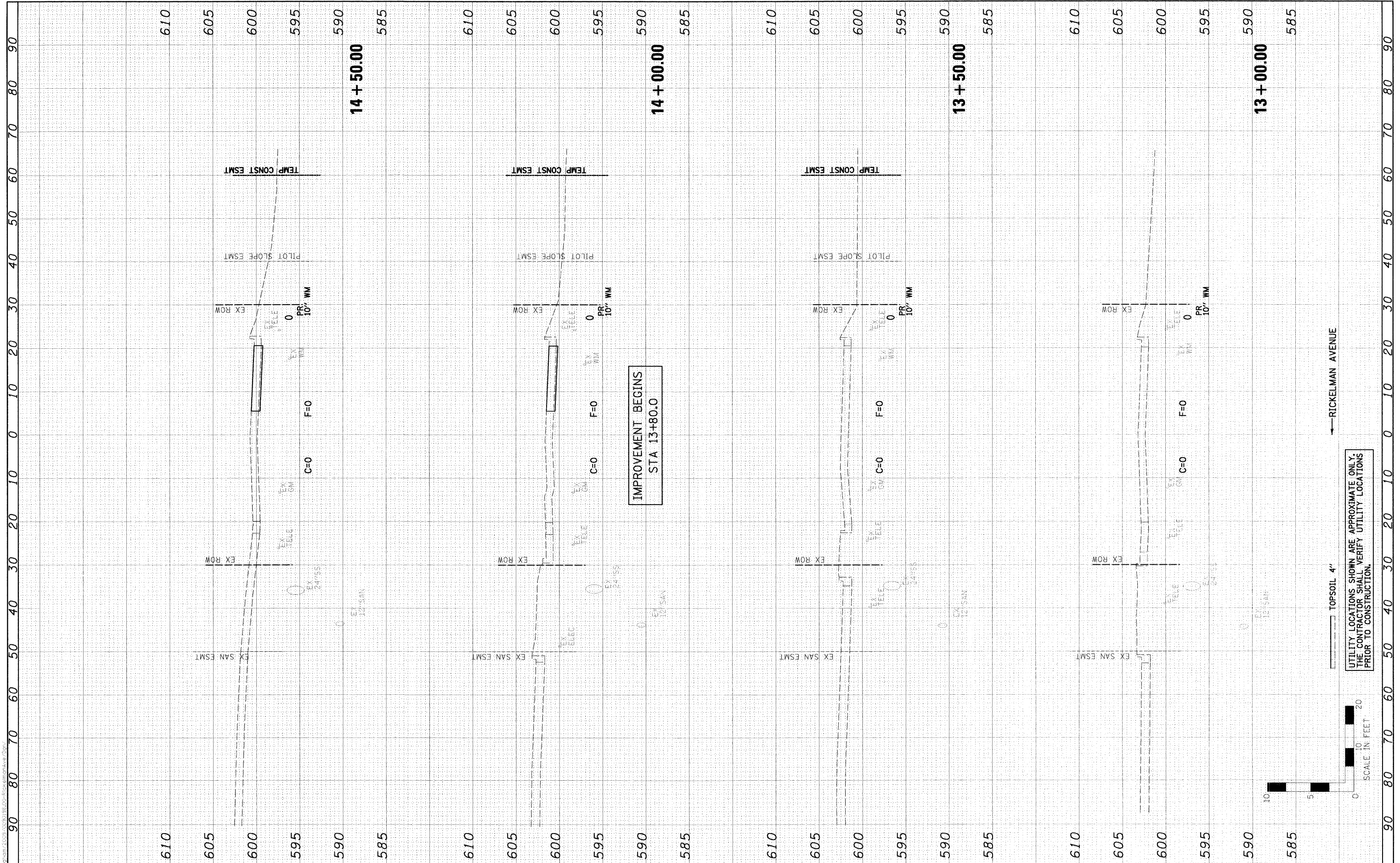
UTILITY LOCATIONS SHOWN ARE APPROXIMATE ONLY.
 THE CONTRACTOR SHALL VERIFY UTILITY LOCATIONS
 PRIOR TO CONSTRUCTION.

SCALE IN FEET
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DESIGNED	PSA
DRAWN	JTC
CHECKED	PJM
DATE	10/19/10
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REVISION	

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REVISION	

IL 45 TO EAST OF BOX
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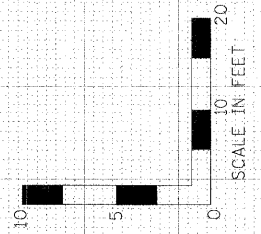


IMPROVEMENT BEGINS
 STA 13+80.0

← RICKELMAN AVENUE

TOPSOIL 4"

UTILITY LOCATIONS SHOWN ARE APPROXIMATE ONLY.
 THE CONTRACTOR SHALL VERIFY UTILITY LOCATIONS
 PRIOR TO CONSTRUCTION.



FILE NAME : 07-00112-00-PV.sect-west.dgn	USER NAME : #USER#	DESIGNED : PSA	REVISIONS	CITY OF EFFINGHAM	RICKELMAN AVE (FAU 8376) SECTION 07-00112-00-PV CROSS SECTIONS	F.A.U. RTE. 8376	SECTION 07-00112-00-PV	COUNTY EFFINGHAM	TOTAL SHEETS 53	SHEET NO. 44
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06/30/2018 10:18:22 PM

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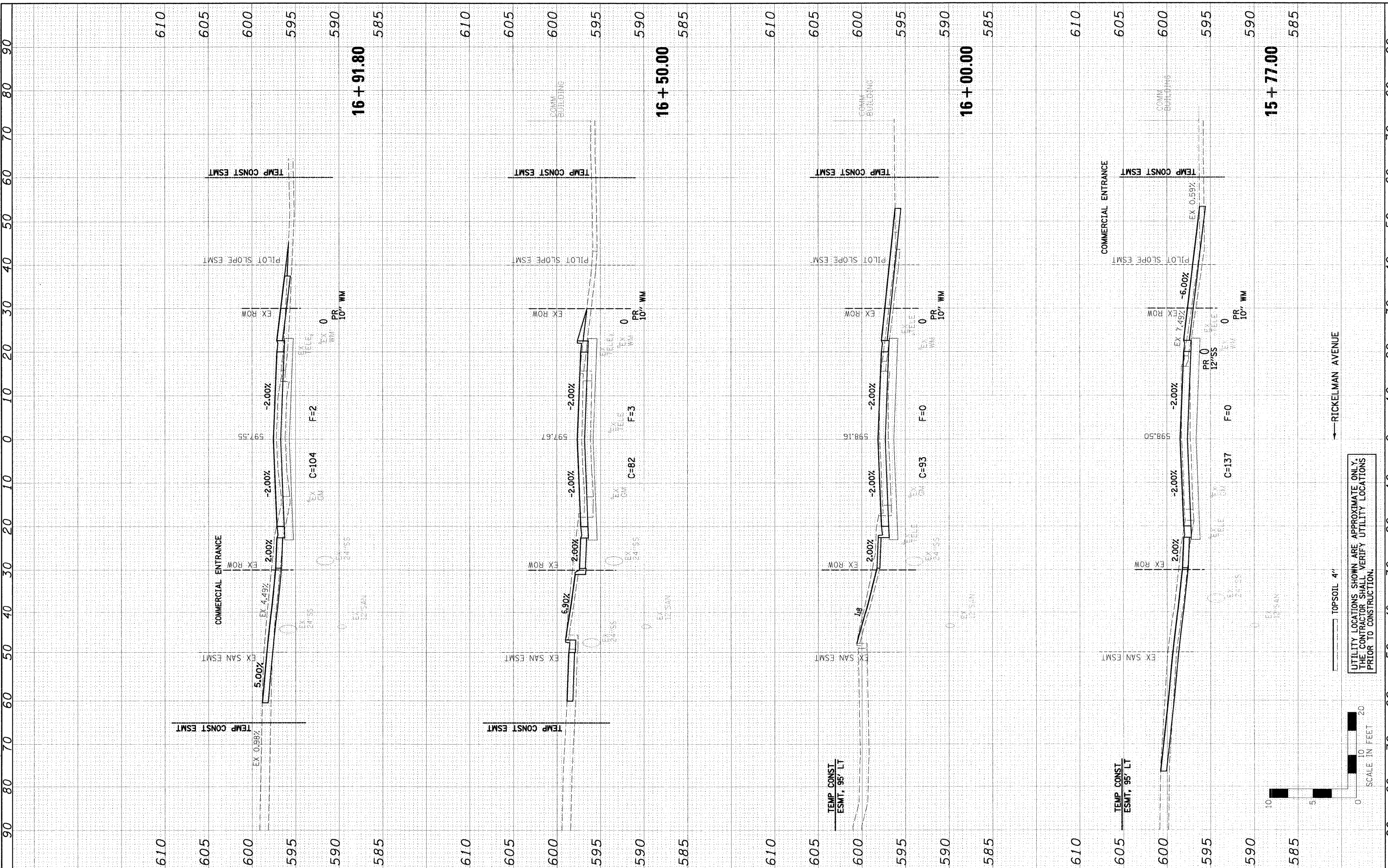
10/19/2018

10/19/2018

10/19/2018

10/19/2018

NO.	DATE	BY	REVISION



UTILITY LOCATIONS SHOWN ARE APPROXIMATE ONLY.
THE CONTRACTOR SHALL VERIFY UTILITY LOCATIONS
PRIOR TO CONSTRUCTION.



TOPSOIL 4"

← RICKELMAN AVENUE

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AREA	DRAWN
AREA CHECKED	CHECKED
	DATE

DESIGNED	PSA	REVISED	-
DRAWN	JTC	REVISED	-
CHECKED	PJM	REVISED	-
DATE	10/19/10	REVISED	-

DESIGNED	PSA	REVISED	-
DRAWN	JTC	REVISED	-
CHECKED	PJM	REVISED	-
DATE	10/19/10	REVISED	-

CITY OF EFFINGHAM

**RICKELMAN AVE (FAU 8376) SECTION 07-00112-00-PV
CROSS SECTIONS**

SCALE: H=10', V=5' SHEET NO. OF SHEETS STA. 15+77.00 TO STA. 16+91.80

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
8376	07-00112-00-PV	EFFINGHAM	53	46
FED. ROAD DIST. NO.	ILLINOIS FED. AID PROJECT	CONTRACT NO. 95635		

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10/19/2010 10:35:35 PM

By: C:\Users\jmc\Documents\2009\00090398.00-RickelmanAve\Draw

NO. 1
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NO. 2
DATE

NO. 3
DATE
NO. 4
DATE

NO. 5
DATE
NO. 6
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NO. 11
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REVISED	
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DESIGNED	PSA
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REVISIONS	
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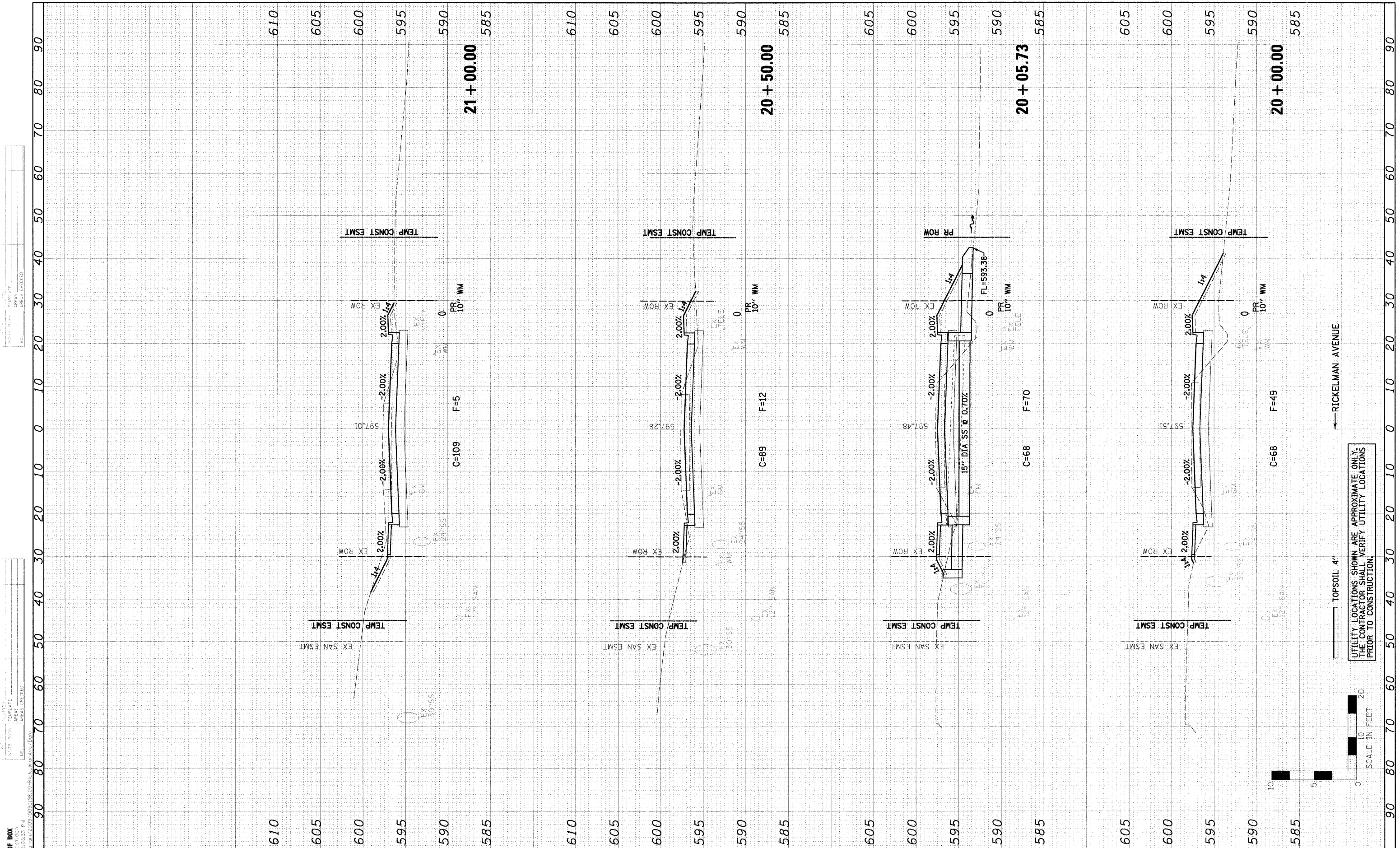
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DATE	10/19/10
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DATE	10/19/10
REVISIONS	
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CHECKED	PJM
DATE	10/19/10
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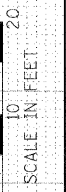
CITY OF EFFINGHAM			
RICKELMAN AVE (FAU 8376) SECTION 07-00112-00-PV			
CROSS SECTIONS			
SCALE: H=10', V=5'	SHEET NO.	OF	SHEETS
	20+00.00		TO STA. 21+00.00

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
8376	07-00112-00-PV	EFFINGHAM	53	49
FED. ROAD DIST. NO.	ILLINOIS FED. AID PROJECT			CONTRACT NO. 95635



UTILITY LOCATIONS SHOWN ARE APPROXIMATE ONLY. THE CONTRACTOR SHALL VERIFY UTILITY LOCATIONS PRIOR TO CONSTRUCTION.

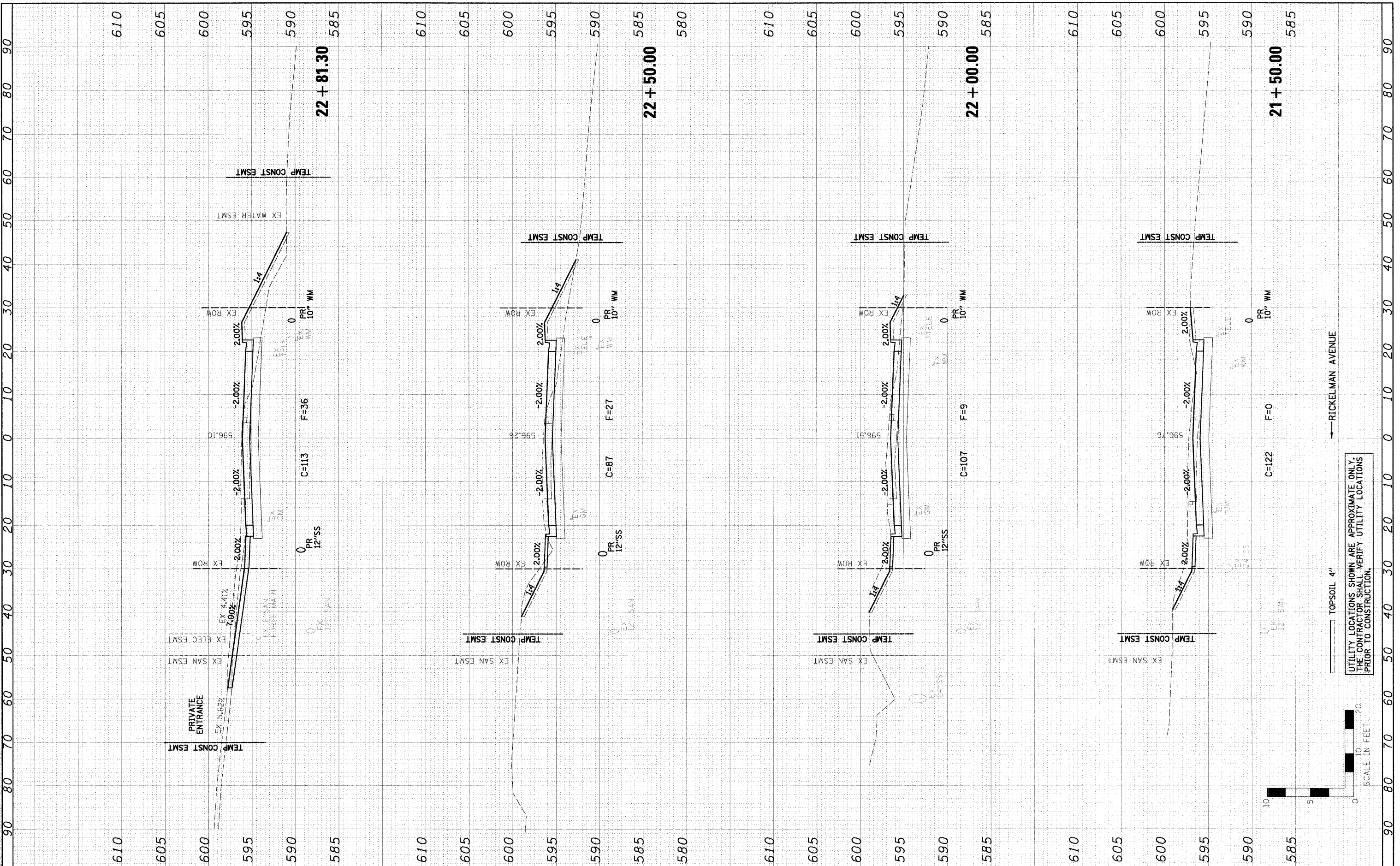
TOPSOIL 4"



RICKELMAN AVENUE

IL 45 TO EAST OF BOX
 3/19/09 3:58:33 PM
 10/19/2010 10:06:34 PM
 P:\City of Effingham\2009\000198\10-RickelmanAve\10r

FILE NAME: 10r
 USER: JTC
 DATE: 10/19/2010
 TIME: 10:06:34 PM
 PLOT DATE: 10/19/2010



FILE NAME: 10r	USER: JTC	DESIGNED: PSA	REVISED: -	CITY OF EFFINGHAM	RICKELMAN AVE (FAU 8376) SECTION 07-00112-00-PV CROSS SECTIONS			F.A.U. RTE. 8376	SECTION 07-00112-00-PV	COUNTY EFFINGHAM	TOTAL SHEETS 53	SHEET NO. 50		
10r	JTC	DRAWN: JTC	REVISED: -					SCALE: H=10', V=5'			FED. ROAD DIST. NO.	ILLINOIS FED. AID PROJECT	CONTRACT NO. 95635	
10r	JTC	CHECKED: PJM	REVISED: -					SHEET NO. OF SHEETS						
10r	JTC	DATE: 10/19/10	REVISED: -					STA. 21+50.00 TO STA. 22+81.30						

FARNSWORTH GROUP, INC. CONSULTING ENGINEERS - 104 NORTH SECOND STREET, SUITE A, EFFINGHAM, IL 62401 (217)342-5668 / (217)342-5853 FAX

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 PRIOR TO CONSTRUCTION.

TOPSOIL 4"

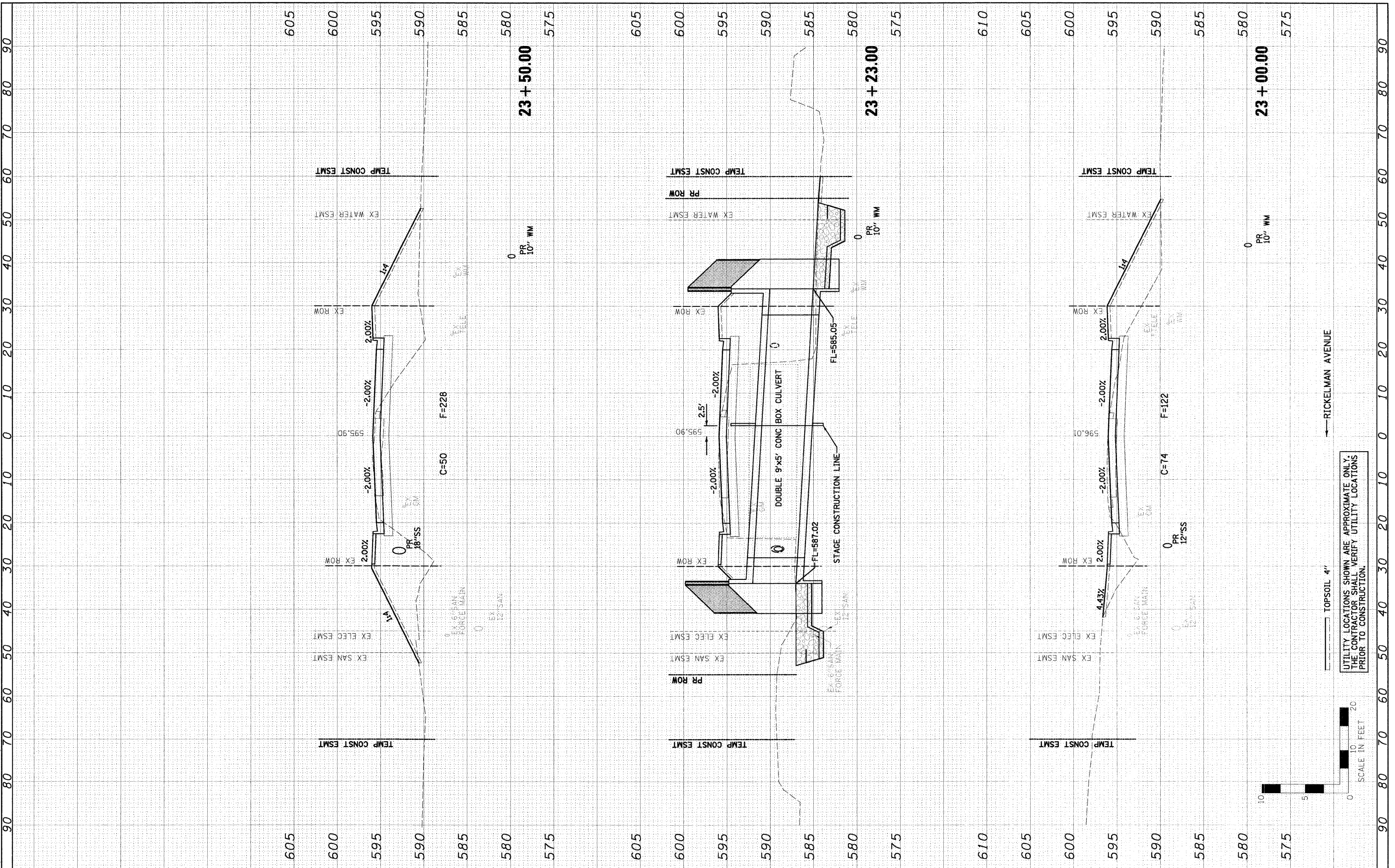


← RICKELMAN AVENUE

FILE NAME	PROJECT
DATE	DATE
AREA	AREA
AREA	AREA
AREA	AREA

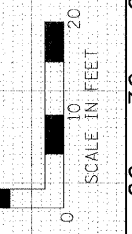
FILE NAME	PROJECT
DATE	DATE
AREA	AREA
AREA	AREA
AREA	AREA

IL 45 TO EAST OF BOX
 09/09/19 10:53:54 AM
 10/19/2010
 P:\City of Effingham\2009-000198.DWG-Rickelman Ave Cross



FILE NAME 09/09/19 10:53:54 AM 10/19/2010 P:\City of Effingham\2009-000198.DWG-Rickelman Ave Cross	USER NAME = #USER#	DESIGNED - PSA DRAWN - JTC CHECKED - PJM DATE 10/19/10	REVISED - REVISED - REVISED - REVISED -	CITY OF EFFINGHAM		RICKELMAN AVE (FAU 8376) SECTION 07-00112-00-PV CROSS SECTIONS		SCALE: H=10', V=5'	SHEET NO. OF SHEETS	STA. 23+00.00 TO STA. 23+50.00	F.A.U. RTE. 8376	SECTION 07-00112-00-PV	COUNTY EFFINGHAM	TOTAL SHEETS 53	SHEET NO. 51
FARNSWORTH GROUP, INC. CONSULTING ENGINEERS - 104 NORTH SECOND STREET, SUITE A, EFFINGHAM, IL 62401 (217)342-5668 / (217)342-5853 FAX											CONTRACT NO. 95635				

UTILITY LOCATIONS SHOWN ARE APPROXIMATE ONLY
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 PRIOR TO CONSTRUCTION.



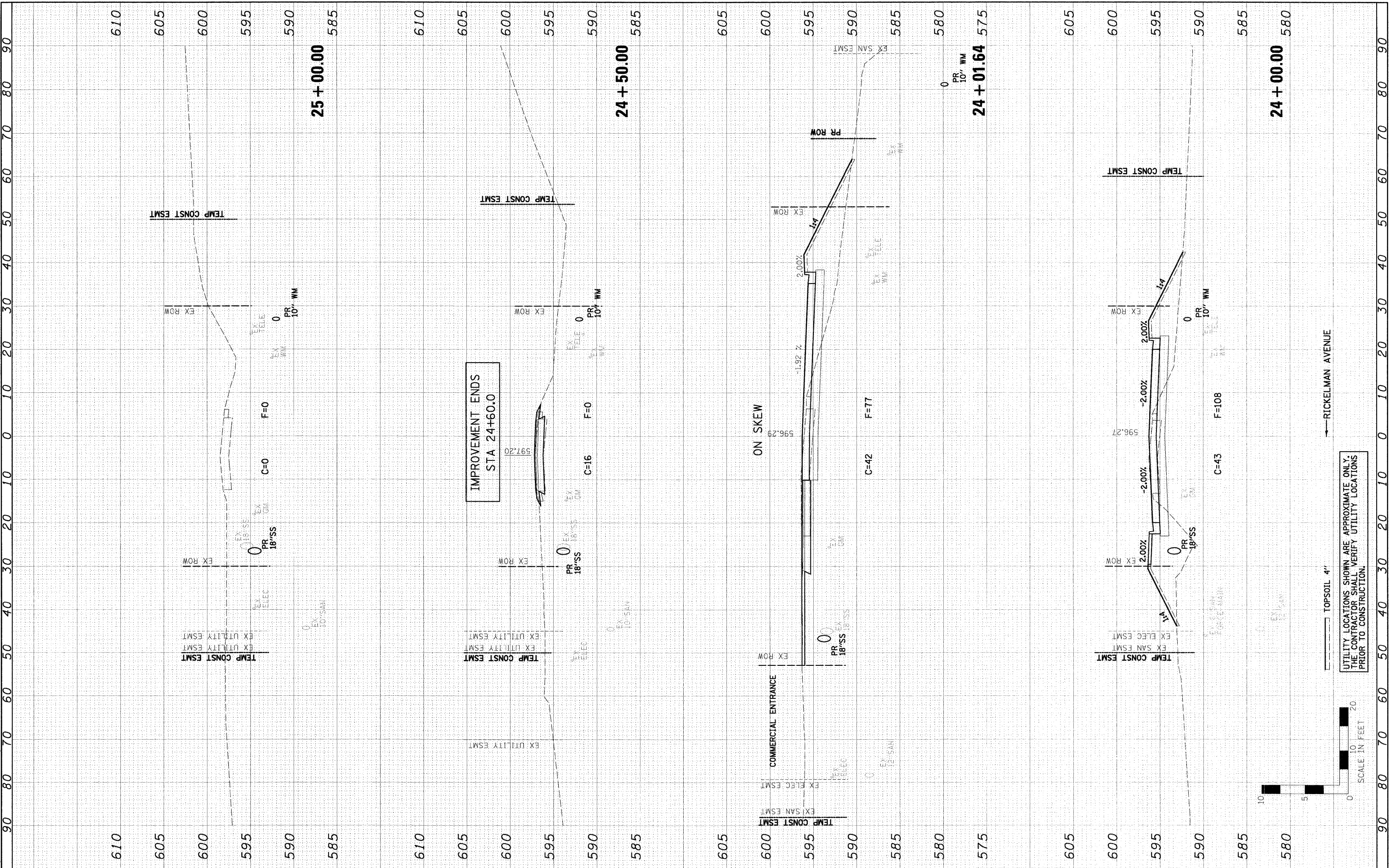
TOPSOIL 4'

← RICKELMAN AVENUE

IL 45 TO EAST OF BOX
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 10/19/2010 12:03:35 PM
 P:\CITY OF EFFINGHAM\2009\00112-00-Rickelman Ave\01

FILE NO.	112112
DATE	10/19/2010
NOTE BOOK	TEMPLATE
AREAS	AREAS CHECKED
NO.	

FILE NAME	112112-01-01.dgn
USER NAME	#USERS
DESIGNED	PSA
DRAWN	JTC
CHECKED	PJM
DATE	10/19/10



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PLOT SCALE = #SCALE*	CHECKED = PJM	DRAWN = JTC	REVISOR =		FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT			
PLOT DATE = 10/19/2010	DATE = 10/19/10	CHECKED = PJM	REVISOR =					
		DATE = 10/19/10	REVISOR =					
			REVISOR =					
			REVISOR =					

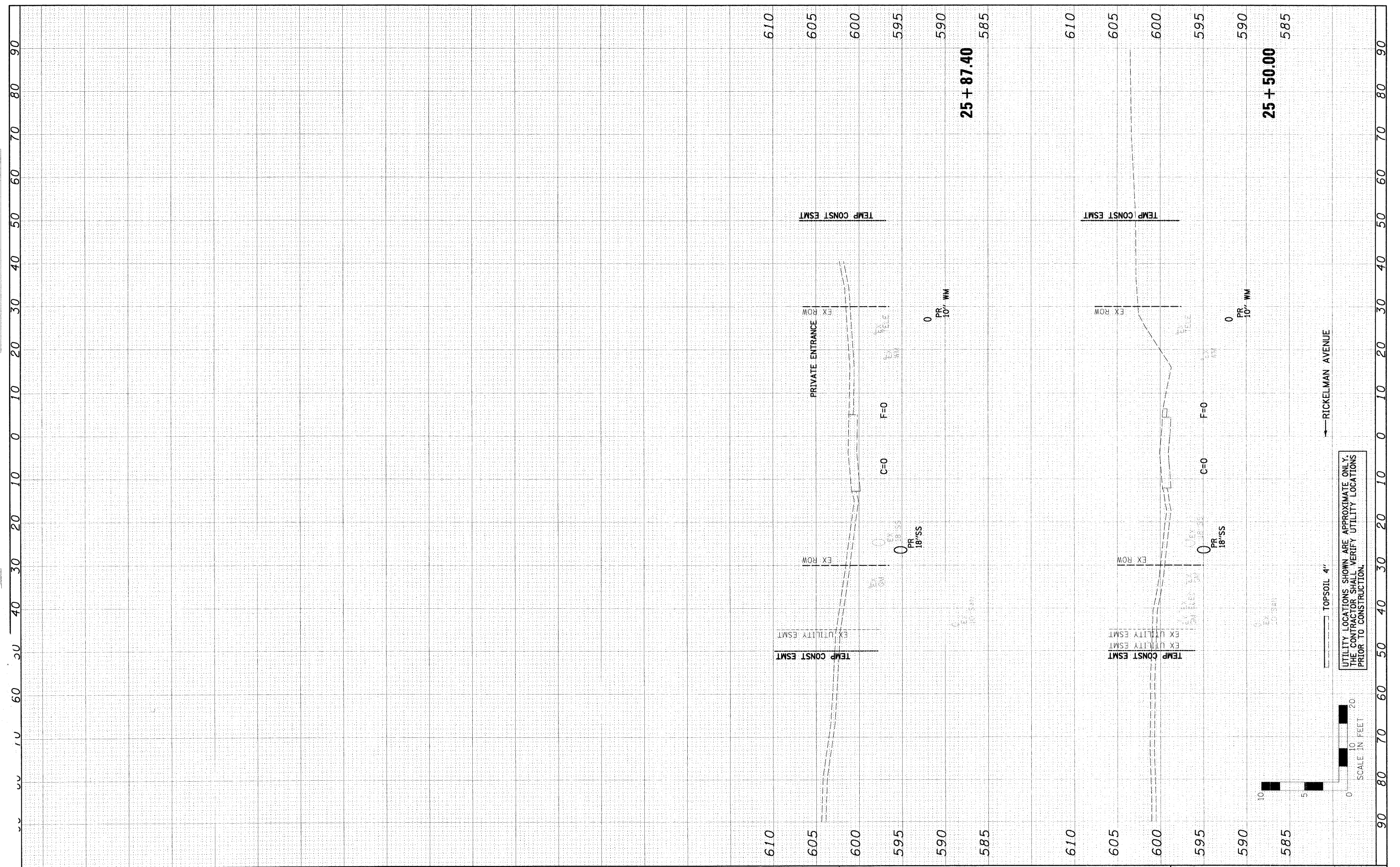
FARNSWORTH GROUP, INC. CONSULTING ENGINEERS - 104 NORTH SECOND STREET, SUITE A, EFFINGHAM, IL 62401 (217)342-5668 / (217)342-5853 FAX

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 PRIOR TO CONSTRUCTION.

← RICKELMAN AVENUE

TOPSOIL 4"

DATE	10/19/2010
USER	JTC
PROJECT	EFFINGHAM
SECTION	07-00112-00-PV
SHEET	53
TITLE	UTILITY AREAS
SCALE	AS SHOWN



FILE NAME = 198148.vsect-west.dgn	USER NAME = JUSER4	DESIGNED - PSA	REVISED -	CITY OF EFFINGHAM	RICKELMAN AVE (FAU 8376) SECTION 07-00112-00-PV CROSS SECTIONS			F.A.U. RTE. 8376	SECTION 07-00112-00-PV	COUNTY EFFINGHAM	TOTAL SHEETS 53	SHEET NO. 53	
	PLOT SCALE = #SCALE#	DRAWN - JTC	REVISED -		SCALE: H=10', V=5'	SHEET NO. OF SHEETS	STA. 25+50.00 TO STA. 25+87.40	FED. ROAD DIST. NO.	ILLINOIS FED. AID PROJECT	CONTRACT NO. 95635			
	PLOT DATE = 10/19/2010	CHECKED - PJM	REVISED -		UTILITY LOCATIONS SHOWN ARE APPROXIMATE ONLY. THE CONTRACTOR SHALL VERIFY UTILITY LOCATIONS PRIOR TO CONSTRUCTION.								
		DATE - 10/19/10	REVISED -										