

**INDEX OF SHEETS**

06-16-21017 LETTING ITEM 060 STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

ROUTE	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
FAU 9474	09-00056-00-RP	FRANKLIN	82	1
EAST ST. LOUIS STREET		WEST FRANKFORT		
PROJECT M-5071(012)		CONTRACT 99582		

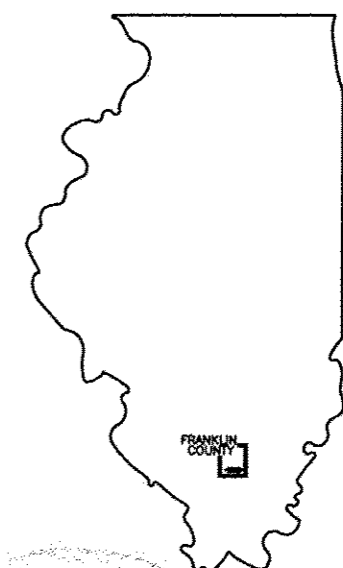
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- 32 JUNCTION BOX (SPECIAL) DETAIL
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- 34-35 SEGMENTAL CONCRETE BLOCK WALL PROFILES
- 36-37 SWPPP
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**PLANS FOR PROPOSED  
FEDERAL AID URBAN SYSTEM**

**FUNCTIONAL CLASS, COLLECTOR - URBAN**  
**ADT (2013) = 1300**  
**DESIGN SPEED = 30 M.P.H.**

**CITY OF WEST FRANKFORT**

**F.A.U. ROUTE 9474 (EAST ST. LOUIS STREET)  
BRYAN STREET TO HORRELL STREET  
SECTION 09-00056-00-RP  
PROJECT M-5071(012)  
CONTRACT 99582**



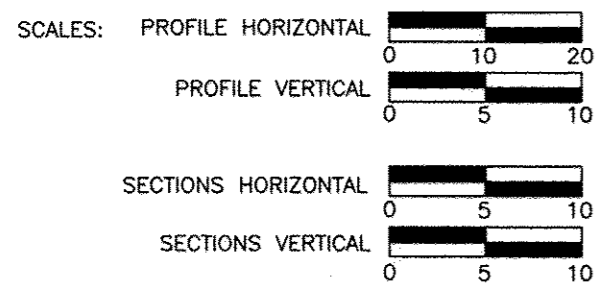
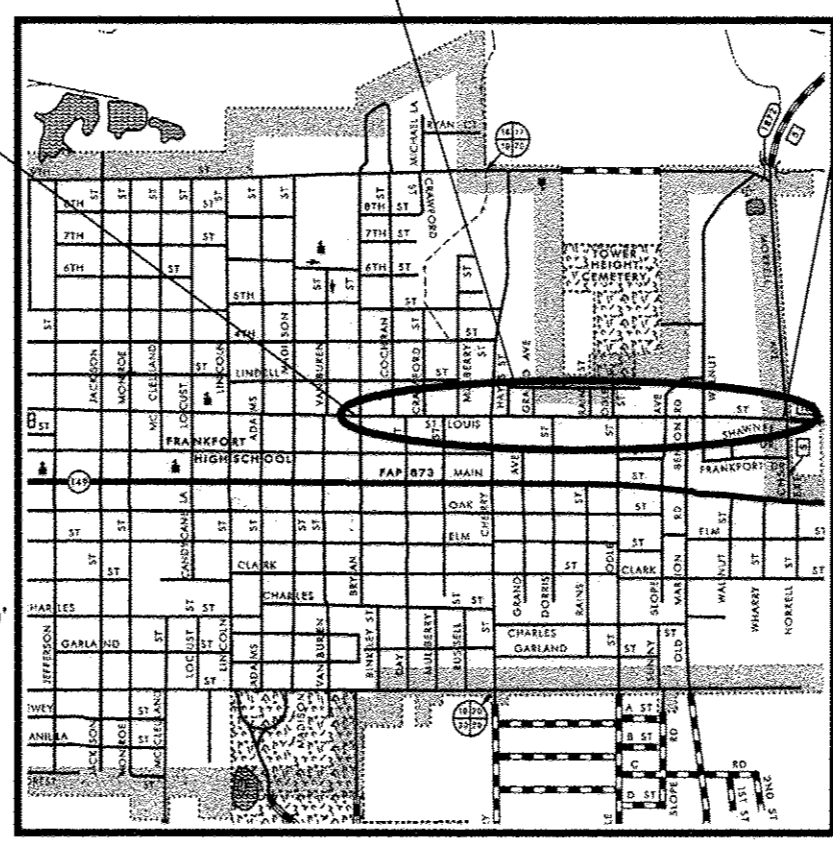
**STANDARDS**

- 000001-06 STANDARD SYMBOLS, ABBR, PATTERNS
- 001001-02 AREAS OF REINFORCEMENT BARS
- 001006 DECIMAL OF AN INCH AND FOOT
- 280001-07 TEMPORARY EROSION CONTROL
- 420001-08 PAVEMENT JOINTS
- 424001-09 PERPENDICULAR CURB RAMPS
- 424006-02 DIAGONAL CURB RAMPS
- 424011-03 CORNER PARALLEL CURB RAMPS
- 424016-03 MID-BLOCK CURB RAMPS
- 542301-03 P.R.C. FLARED END SECTIONS
- 602301-04 INLET - TYPE A
- 602401-03 MANHOLE TYPE A
- 602601-04 P.R.C. FLAT TOP SLAB
- 602701-02 CAST IRON STEPS
- 604001-03 FRAME AND LID, TYPE 1
- 606001-06 CONCRETE CURB
- 701501-06 TRAFFIC CONTROL
- 701901-06 TRAFFIC CONTROL DEVICES
- 720001-01 SIGN PANEL MOUNTING DETAILS
- 720006-04 SIGN PANEL ERECTION DETAILS
- 728001-01 TELESCOPING STEEL SIGN SUPPORT
- 780001-05 PAVEMENT MARKINGS
- BLR 10-6 PCC PAVEMENT SPECIAL (NONREINF)
- BLR 21-9 TRAFFIC CONTROL
- BLR 22-7 TRAFFIC CONTROL

**PROPOSED IMPROVEMENTS**

**BEGIN IMPROVEMENTS**  
STA. 0+00  
WEST SIDE OF BRYAN STREET

**END IMPROVEMENTS**  
STA. 44+98.41  
WEST SIDE OF HORRELL AVENUE



ALL EXISTING UTILITIES AND LOCATIONS TO BE CONFIRMED BY J.U.L.I.E. 800-892-0123

LOCATION OF SECTION INDICATED THUS -

*Jim W. Brown* 1/10/17  
Jim W. Brown as President of Brown and Roberts, Inc. Date:  
Illinois Professional Design Firm  
Land Survey & Professional Engineering Corporation  
Number 184-002518  
Expires April 30, 2017

**CITY OF WEST FRANKFORT**

APPROVED 1/10/17 DATE  
*Tom Sedlan*  
MAYOR, CITY OF WEST FRANKFORT

PASSED 3/13/2017 DATE  
*Dennis W. Hill*  
DISTRICT 9 ENGINEER OF LOCAL ROADS & STREETS

RELEASING FOR BID  
BASED ON LIMITED  
REVIEW 3/13/2017 DATE  
*Jeffrey L. Keirn*  
JEFFREY L. KEIRN, P.E.  
REGION FIVE ENGINEER

**LOCATION MAP**  
LENGTH OF IMPROVEMENTS = 4,498.41 FT. = 0.85 MI.

**BROWN & ROBERTS, INC.**  
CONSULTING ENGINEERS & LAND SURVEYORS  
1 WESTRIDGE ROAD HARRISBURG, IL 62946 (618) 252-0111

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ROUTE	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
FAU 9474	09-00056-00-RP	FRANKLIN	82	2
EAST ST. LOUIS STREET		WEST FRANKFORT		
PROJECT M-5071(012)		CONTRACT 99582		

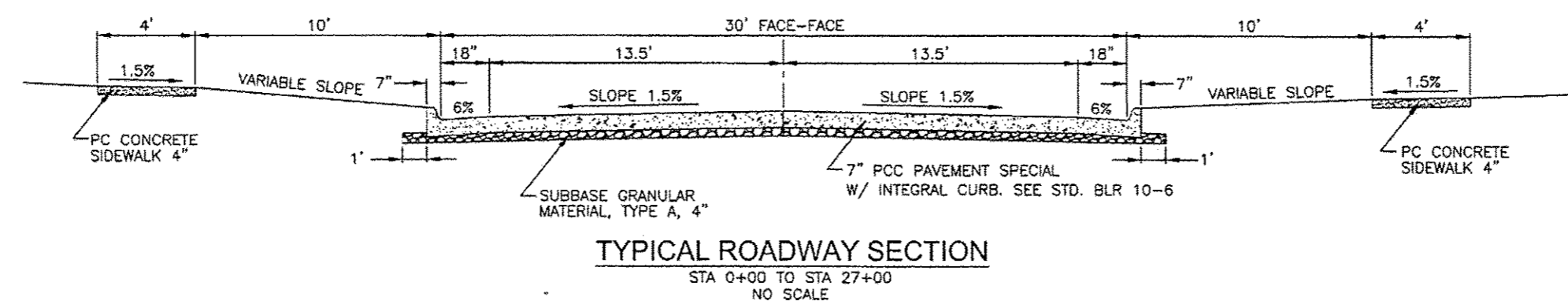
### SUMMARY OF QUANTITIES

Code Number	Item	Unit	Quantity
20100110	TREE REMOVAL (6 TO 15 UNITS DIAMETER)	UNIT	479
20100210	TREE REMOVAL (OVER 15 UNITS DIAMETER)	UNIT	740
20200100	EARTH EXCAVATION	CU YD	3500
20400100	BORROW EXCAVATION	CU YD	10000
20800150	TRENCH BACKFILL	CU YD	1133
25100630	EROSION CONTROL BLANKET	SQ YD	11954
28000250	TEMPORARY EROSION CONTROL SEEDING	POUND	250
28000400	PERIMETER EROSION CONTROL BARRIER	FOOT	350
28000500	INLET AND PIPE PROTECTION	EACH	101
31100100	SUBBASE GRANULAR MATERIAL, TYPE A	TON	4567
40200800	AGGREGATE SURFACE COURSE, TYPE B	TON	500
42300200	PORTLAND CEMENT CONCRETE DRIVEWAY PAVEMENT, 6 INCH	SQ YD	1236
42400100	PORTLAND CEMENT CONCRETE SIDEWALK 4 INCH	SQ FT	29203
42400800	DETECTABLE WARNINGS	SQ FT	442
44000200	DRIVEWAY PAVEMENT REMOVAL	SQ YD	673
44000500	COMBINATION CURB AND GUTTER REMOVAL	FOOT	1276
44000600	SIDEWALK REMOVAL	SQ FT	18841
44213204	TIE BARS 3/4"	EACH	180
50901760	PIPE HANDRAIL	FOOT	25
52200800	SEGMENTAL CONCRETE BLOCK WALL	SQ FT	6748
54213657	PRECAST REINFORCED CONCRETE FLARED END SECTION, 12"	EACH	8
54213660	PRECAST REINFORCED CONCRETE FLARED END SECTION, 15"	EACH	2
54213663	PRECAST REINFORCED CONCRETE FLARED END SECTION, 18"	EACH	1
550A0050	STORM SEWERS, CLASS A, TYPE 1, 12"	FOOT	2824
550A0070	STORM SEWERS, CLASS A, TYPE 1, 15"	FOOT	692
550A0090	STORM SEWERS, CLASS A, TYPE 1, 18"	FOOT	99
550A0110	STORM SEWERS, CLASS A, TYPE 1, 21"	FOOT	137
550A0120	STORM SEWERS, CLASS A, TYPE 1, 24"	FOOT	165
550A0160	STORM SEWERS, CLASS A, TYPE 1, 36"	FOOT	104
550A4100	STORM SEWERS, CLASS A, TYPE 1 EQUIVALENT ROUND-SIZE 24"	FOOT	155
550B0050	STORM SEWERS, CLASS B, TYPE 1, 12"	FOOT	1547
550B0070	STORM SEWERS, CLASS B, TYPE 1, 15"	FOOT	587
550B0090	STORM SEWERS, CLASS B, TYPE 1, 18"	FOOT	93
550B0120	STORM SEWERS, CLASS B, TYPE 1, 24"	FOOT	389
55100200	STORM SEWER REMOVAL 6"	FOOT	100
55100300	STORM SEWER REMOVAL 8"	FOOT	48
55100500	STORM SEWER REMOVAL 12"	FOOT	958
55100700	STORM SEWER REMOVAL 15"	FOOT	155
55100900	STORM SEWER REMOVAL 18"	FOOT	444
55101100	STORM SEWER REMOVAL 21"	FOOT	322
55101200	STORM SEWER REMOVAL 24"	FOOT	1249
55101400	STORM SEWER REMOVAL 30"	FOOT	108
55101600	STORM SEWER REMOVAL 36"	FOOT	194

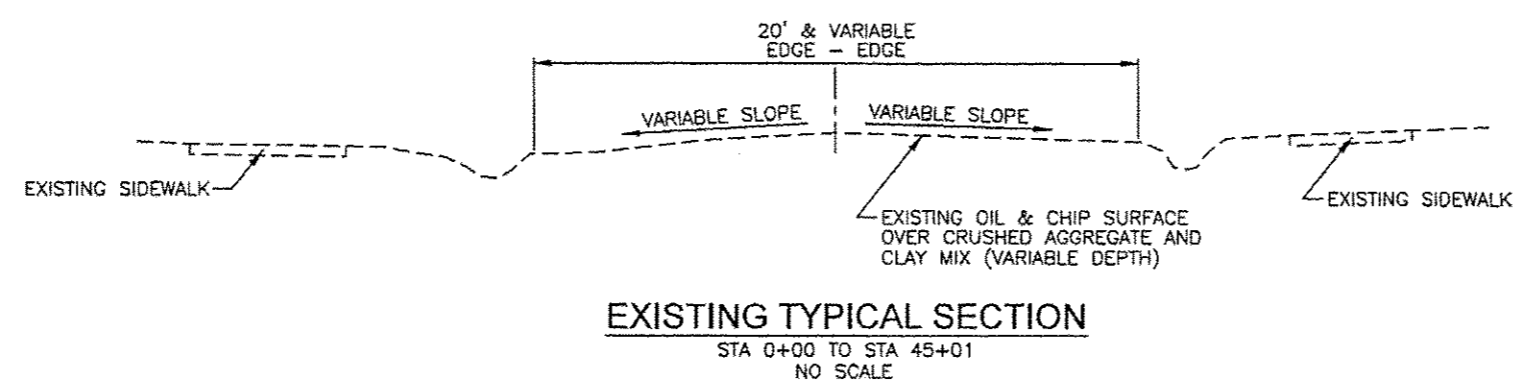
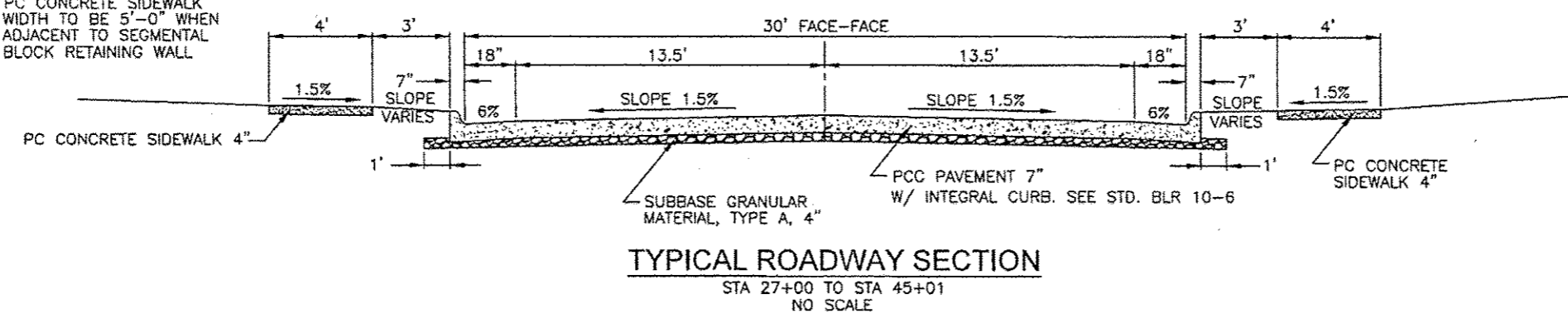
Code Number	Item	Unit	Quantity
60218400	MANHOLES, TYPE A, 4'-DIAMETER, TYPE 1 FRAME, CLOSED LID	EACH	6
60236200	INLETS, TYPE A, TYPE 8 GRATE	EACH	2
60255800	MANHOLES TO BE ADJUSTED WITH NEW TYPE 1 FRAME, CLOSED LID	EACH	10
60266600	VALVE BOXES TO BE ADJUSTED	EACH	12
60500040	REMOVING MANHOLES	EACH	1
60500060	REMOVING INLETS	EACH	32
67000400	ENGINEER'S FIELD OFFICE, TYPE A	CAL MO	24
67100100	MOBILIZATION	L SUM	1
Δ 72000100	SIGN PANEL, TYPE 1	SQ FT	181
Δ 72800100	TELESCOPING STEEL SIGN SUPPORT	FOOT	604
Δ 78001110	PAINT PAVEMENT MARKING - LINE 4"	FOOT	1130
Δ 78001130	PAINT PAVEMENT MARKING - LINE 6"	FOOT	1587
Δ 78001180	PAINT PAVEMENT MARKING - LINE 24"	FOOT	318
LR420125	PORTLAND CEMENT CONCRETE PAVEMENT 7" (SPECIAL) WITH INTEGRAL CURB	SQ YD	17163
* X2500900	SEEDING, CLASS 1 (SPECIAL)	ACRE	2.5
* X6024242	INLETS, SPECIAL, NO. 1	EACH	79
* X6024244	INLETS, SPECIAL, NO. 2	EACH	1
* X8130110	JUNCTION BOX (SPECIAL)	EACH	1
* Z0012450	CONCRETE STEPS	CU YD	3.3
* Z0013798	CONSTRUCTION LAYOUT	L SUM	1
* XX009172	RETAINING WALL MODIFICATION	L SUM	1
* XX009173	RETAINING WALL AND STEPS REMOVAL	L SUM	1
* XX007968	PVC CASING PIPE 12"	FOOT	25
* XX007220	PVC CASING PIPE 20"	FOOT	251
Z0076600	TRAINES	HR	1,000
Z0076604	TRAINES, TRG	HR	1,000

\* SPECIAL PROVISION    Δ SPECIALTY ITEMS

ROUTE	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
9474	09-00056-00-RP	FRANKLIN	82	3
EAST ST. LOUIS STREET		WEST FRANKFORT		
PROJECT M-5071(012)		CONTRACT 99582		

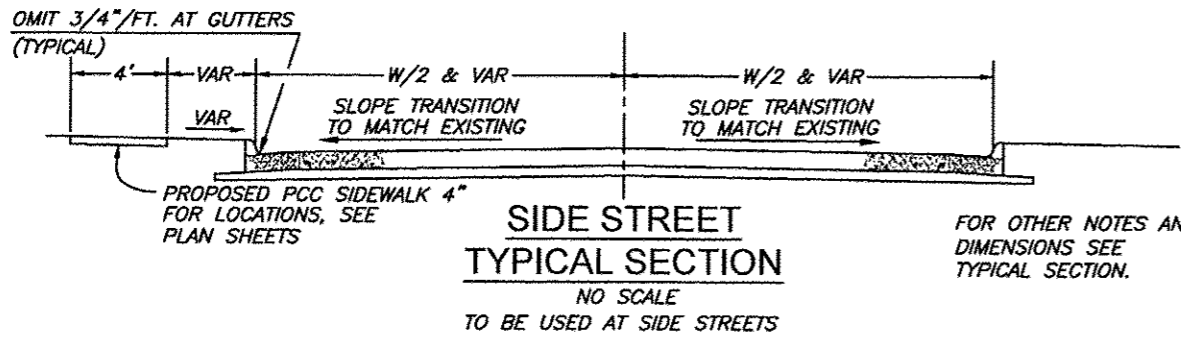


NOTE: PC CONCRETE SIDEWALK WIDTH TO BE 5'-0" WHEN ADJACENT TO SEGMENTAL BLOCK RETAINING WALL



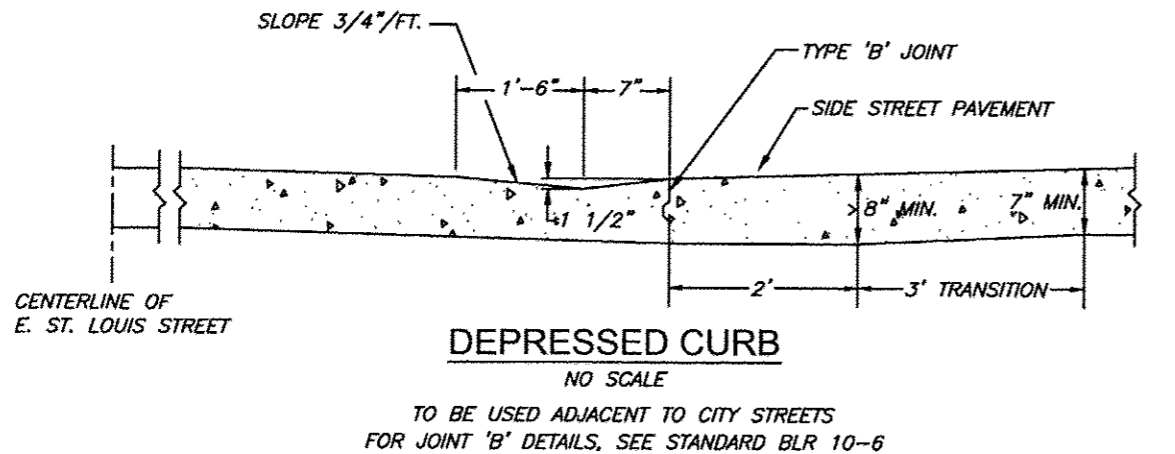
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ROUTE	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
9474	09-00056-00-RP	FRANKLIN	82	4
EAST ST. LOUIS STREET		WEST FRANKFORT		
PROJECT M-5071(012)		CONTRACT 99582		



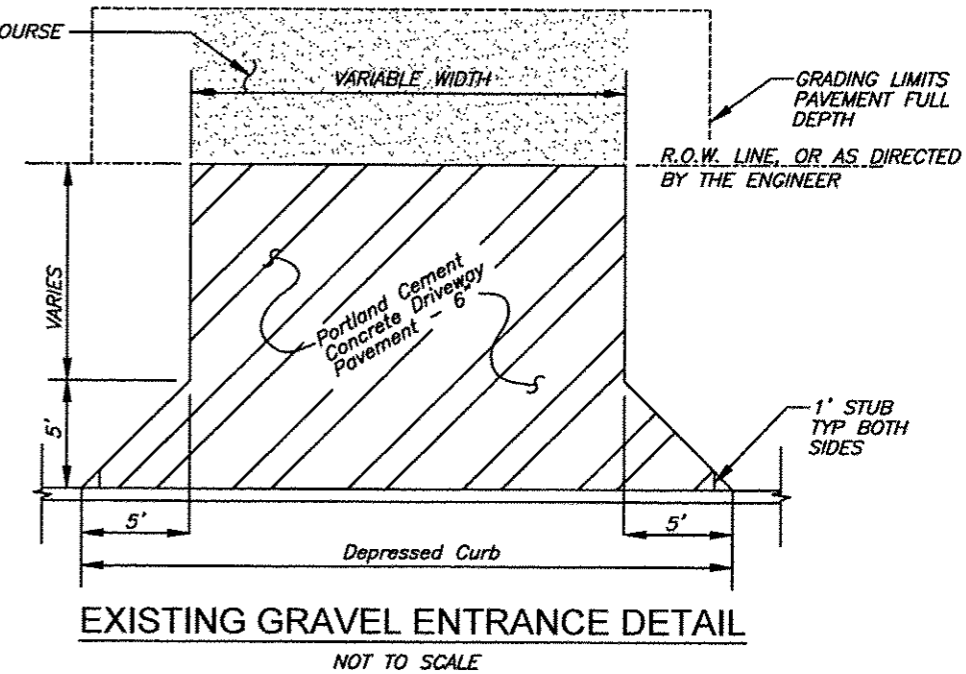
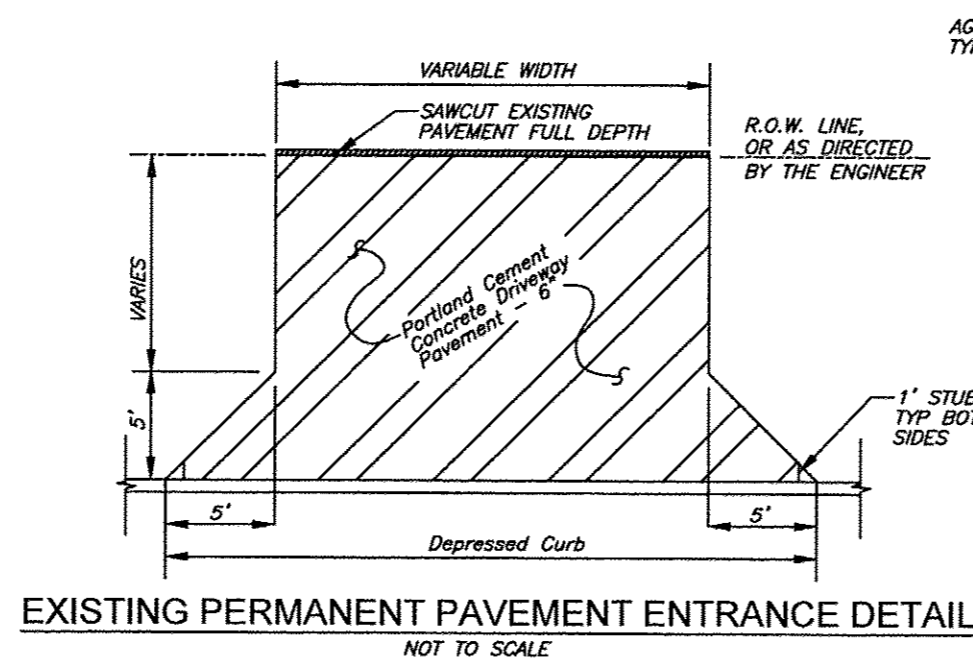
**SIDE STREET WIDTHS**

LOCATION	WIDTH
BRYAN STREET	20'
COCHRAN STREET	19'
DAY STREET	20'
CRAWFORD STREET	20'
MULBERRY ST. (SOUTH)	19'
MULBERRY ST. (NORTH)	18.5'
HAYES STREET	18'
GRAND STREET	18'
DORRIS STREET	18'
RAINS STREET	18'
ODLE ST. (NORTH)	18'
ODLE ST. (SOUTH)	18'
SUNNYSLOPE (NORTH)	23'
SUNNYSLOPE (SOUTH)	19.5'
BENTON AVE. (SOUTH)	24'
WALNUT ST. (NORTH)	27'
WALNUT ST. (SOUTH)	18'



**LEGEND**

- ⊕ EXISTING UTILITY POLE
- ⊠ EXISTING CULVERT TO BE REMOVED
- ⊡ EXISTING INLET TO BE REMOVED
- PROPOSED STORM SEWER
- ⊙ PROPOSED DRAINAGE STRUCTURE
- W--- PROPOSED WATERMAIN
- W— EXISTING WATERMAIN
- ⊕ EXISTING HYDRANT
- |— CONSTRUCTION LIMITS
- ×× EXISTING FENCE
- EXISTING SANITARY SEWER
- ⊙ EXISTING SANITARY SEWER MANHOLE
- PROPOSED SANITARY SEWER
- ⊙ PROPOSED SANITARY SEWER MANHOLE
- ⊠ EXISTING MAILBOX TO BE MOVED
- ⊙ EXISTING TREE TO REMAIN
- ⊙ EXISTING TREE TO BE REMOVED



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ROUTE	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
FAU 9474	09-00056-00-RP	FRANKLIN	82	5
EAST ST. LOUIS STREET		WEST FRANKFORT		
PROJECT M-5071(012)		CONTRACT 99582		

### PCC PAVEMENT 7" (SPECIAL) WITH INTEGRAL CURB

LOCATION	LENGTH	WIDTH	AREA (SQ YD)
0+00.0 TO 0+26.4 MAINLINE	26.4	22.6	66.3
0+26.4 TO 1+07.0 LT BRYAN STREET	VAR.	VAR.	229.1
0+26.4 TO 1+07.0 RT BRYAN STREET	VAR.	VAR.	241.0
1+07.0 TO 13+74.1 MAINLINE	1267.1	31.17	4389.8
3+67.5 TO 4+45.8 LT COCHRAN STREET	VAR.	VAR.	107.8
4+92.8 TO 5+72.8 RT DAY STREET	VAR.	VAR.	110.9
7+07.6 TO 7+86.6 LT CRAWFORD STREET	VAR.	VAR.	107.9
8+83.0 TO 9+62.0 RT MULBERRY STREET	VAR.	VAR.	107.6
10+49.3 TO 11+28.0 LT MULBERRY STREET	VAR.	VAR.	104.4
13+74.1 TO 13+88.7 LT CHERRY STREET	VAR.	VAR.	3.4
13+74.1 TO 14+09.5 RT CHERRY STREET	VAR.	VAR.	23.8
14+31.5 TO 15+16.6 RT CHERRY STREET	VAR.	VAR.	63.8
14+64.4 TO 15+16.6 LT CHERRY STREET	VAR.	VAR.	20.5
15+16.6 TO 44+64.5 MAINLINE	2947.9	31.17	10209.6
15+53.2 TO 16+31.2 LT HAYES STREET	VAR.	VAR.	104.2
18+29.2 TO 19+07.2 LT GRAND STREET	VAR.	VAR.	104.4
20+17.9 TO 20+94.1 RT DORRIS STREET	VAR.	VAR.	104.2
24+20.1 TO 24+95.9 LT RAINS STREET	VAR.	VAR.	104.1
26+48.9 TO 27+14.3 LT ODLE STREET	VAR.	VAR.	80.6
26+97.1 TO 27+71.9 RT ODLE STREET	VAR.	VAR.	111.0
32+10.8 TO 32+94.3 LT SUNNYSLOPE	VAR.	VAR.	120.4
32+12.3 TO 32+91.4 RT SUNNYSLOPE	VAR.	VAR.	109.1
34+25.4 TO 35+09.4 RT BENTON AVENUE	VAR.	VAR.	111.1
36+05.2 TO 36+91.8 LT WALNUT STREET	VAR.	VAR.	133.6
36+19.8 TO 36+98.2 RT WALNUT STREET	VAR.	VAR.	121.3
44+64.5 TO 45+00.66 HORRELL STREET	VAR.	VAR.	173.1

TOTAL PCC PAVEMENT 7" SPECIAL WITH INTEGRAL CURB 17163

### MANHOLES TO BE ADJUSTED WITH NEW TYPE 1 FRAME, CLOSED LID

LOCATION	LID ELEVATION		ADJUSTMENT (FOOT)
	EXISTING	PROPOSED	
0+67.1, 1'LT	416.71	416.46	-0.25
4+77.6, 4.2'LT	419.41	419.41	0.00
7+83.5, 1.1'LT	415.67	416.81	+1.14
10+88.6, 4.6'LT	413.57	412.62	-0.95
15+87.9, 1.8'LT	415.72	415.47	-0.25
18+88.2, 2.5'LT	421.43	421.92	+0.49
21+87.3, 1.3'LT	428.93	429.55	+0.62
24+88.7, 6.8'RT	438.00	437.60	-0.40
26+88.1, 6.2'LT	443.55	444.03	+0.48
36+49.9, 2.4'RT	471.37	472.69	+1.32

TOTAL MANHOLES TO BE ADJUSTED = 10 EACH

### DRIVEWAY PAVEMENT

LOCATION	EXISTING SURFACE	DRIVEWAY PAVT REMOVAL			PCC DRIVEWAY PAVT 6"		
		LENGTH	WIDTH	SQ. YD.	LENGTH	WIDTH	SQ. YD.
1+43 TO 1+65 LT	AGG.				14.4	12	22.0
1+48 TO 1+85 RT	BIT./CONC.	VAR.	VAR.	27.7	14.4	27	46.0
2+07 TO 2+27 LT	BIT.	VAR.	10	45.7	29.4	10	35.2
2+87 TO 3+07 RT	AGG.				14.4	10	18.8
3+39 TO 3+73 RT	BIT.	26	20	57.8	14.4	24	41.2
4+58 TO 4+80 RT	AGG.				14.4	12	22.0
4+66 TO 5+04 LT	AGG./CONC.	VAR.	VAR.	20.0	14.4	28	47.6
5+29 TO 5+64 LT	AGG.				14.4	25	42.9
6+10 TO 6+30 LT	BIT.	16	12	21.3	14.4	10	18.8
7+47 TO 7+67 RT	AGG.				14.4	10	18.8
8+22 TO 8+44 RT	AGG.				14.4	12	22.1
8+78 TO 9+00 LT	AGG.				33.4	12	47.3
9+90 TO 10+24 LT	BIT./AGG.	VAR.	10	22.3	14.4	24	41.1
10+07 TO 10+27 RT	AGG.				14.5	10	18.9
10+94 TO 11+14 RT	AGG.				14.6	10	19.0
11+58 TO 11+92 LT	AGG.				14.4	18	31.6
11+65 TO 11+87 RT	CONC.	VAR.	12	16.2	24.4	12	35.3
12+00 TO 12+20 LT	AGG.				14.4	10	18.8
12+65 TO 12+87 RT	BIT.	VAR.	12	41.2	19.4	12	28.6
13+51 TO 13+73 LT	AGG.				14.6	12	22.3
14+76 TO 14+96 LT	CONC.	VAR.	VAR.	16.0	14.4	10	18.8
15+54 TO 16+07 RT	CONC.	VAR.	21.4	55.8	14.4	43.4	72.4
16+73 TO 16+93 LT	CONC.	VAR.	8	1.0	14.4	10	18.8
17+64 TO 17+84 LT	CONC.	VAR.	8	1.2	14.4	10	18.8
17+70 TO 17+92 RT	AGG.				14.4	12	22.0
18+37 TO 18+84 RT	CONC.	VAR.	24.7	102.3	VAR.	VAR.	102.0
19+21 TO 19+41 LT	AGG.				14.4	10	18.8
20+57 TO 20+91 LT	BIT./NONE	VAR.	10.9	28.5	VAR.	VAR.	62.3
21+59 TO 21+81 RT	AGG.				14.4	12	22.0
22+01 TO 22+23 LT	CONC.	VAR.	12.9	47.3	19.4	12.9	30.6
25+78 TO 26+00 LT	AGG.				14.6	12	22.2
26+36 TO 26+58 RT	AGG.				14.7	12	21.7
27+76 TO 28+02 LT	BIT.	VAR.	16.4	54.1	14.8	16.4	29.4
33+66 TO 33+86 RT	CONC.	VAR.	VAR.	21.2	14.4	10	18.8
35+41 TO 35+76 RT	CONC.	12	24.7	32.9	7	24.7	22.0
36+74 TO 36+82 RT	CONC.	8.1	13.5	11.9	13.4	12.3	26.4
38+38 TO 38+60 LT	AGG.				14.4	12	22.0
42+27 TO 42+49 LT	CONC.	VAR.	10	48.1	29.4	12	41.9
42+57 TO 42+79 LT	AGG.				14.4	10	18.8
43+13 TO 43+39 RT	AGG.				14.4	16	28.3

TOTAL DRIVEWAY PAVEMENT REMOVAL 673 REPLACEMENT 1236  
 \* EXACT LOCATION TO BE DESIGNATED BY THE ENGINEER

# DETECTABLE WARNINGS

LOCATION	AREA (SQ. FT.)
BRYAN NW CORNER	8.0
BRYAN SW CORNER	8.0
BRYAN NE CORNER	8.0
BRYAN SE CORNER	8.0
COCHRAN NW CORNER	8.0
COCHRAN NE CORNER	8.0
DAY SW CORNER	8.0
DAY SE CORNER	8.0
CRAWFORD NW CORNER	18.0
CRAWFORD NE CORNER	8.0
MULBERRY SW CORNER	8.0
MULBERRY SE CORNER	8.0
MULBERRY NW CORNER	8.0
MULBERRY NE CORNER	8.0
CHERRY NW CORNER	16.0
CHERRY SW CORNER	20.0
CHERRY NE CORNER	8.0
CHERRY SE CORNER	16.0
CHERRY NE CROSS	8.0
CHERRY SE CROSS	8.0
HAYES NW CORNER	8.0
HAYES NE CORNER	8.0
GRAND NW CORNER	16.0
GRAND NE CORNER	8.0
DORRIS SW CORNER	8.0
DORRIS SE CORNER	8.0
RAINS NW CORNER	16.0
RAINS NE CORNER	8.0
ODLE NW CORNER	8.0
ODLE NE CORNER	10.0
ODLE SW CORNER	8.0
ODLE SE CORNER	8.0
SUNNYSLOPE NW CORNER	16.0
SUNNYSLOPE SW CORNER	8.0
SUNNYSLOPE NE CORNER	8.0
SUNNYSLOPE SE CORNER	8.0
BENTON NW CROSS	8.0
BENTON SW CROSS	8.0
BENTON SW CORNER	8.0
BENTON SE CORNER	8.0
BENTON NE CROSS	8.0
BENTON SE CROSS	8.0
WALNUT NW CORNER	8.0
WALNUT SW CORNER	8.0
WALNUT NE CORNER	8.0
WALNUT SE CORNER	8.0
HORRELL NW CORNER	10.0

TOTAL 442.0

LOCATION	WIDTH (FT)	LENGTH (FT)	AREA (SQ. FT.)
0+27.3 TO 0+47 LT	4	20	80
BRYAN NW CORNER	VAR.	VAR.	51
0+47 TO 0+51 LT	4	11	44
0+27.3 TO 0+45 RT	4	18	72
BRYAN SW CORNER	VAR.	VAR.	44
0+45 TO 0+49 RT	4	11	155
0+82 TO 0+86 LT	4	10	40
BRYAN NE CORNER	VAR.	VAR.	56
0+91 TO 1+48 LT	4	58	232
0+88 TO 0+92 RT	4	16	64
BRYAN SE CORNER	VAR.	VAR.	39
0+92 TO 1+53 RT	4	61	244
1+60 TO 2+12 LT	4	52	208
1+80 TO 2+92 RT	4	112	448
2+66 TO 2+69 RT	4	1	4
2+22 TO 3+83 LT	4	161	644
3+02 TO 3+44 RT	4	42	168
3+30 TO 3+34 RT	3	2	6
COCHRAN NW CORNER	VAR.	VAR.	63
3+88 TO 3+92 LT	4	10	38
3+68 TO 4+63 RT	4	95	380
4+75 TO 5+09 RT	4	34	136
3+82 TO 3+84 RT	4	2	8
4+44 TO 4+48 RT	4	3	12
4+81 TO 4+85 RT	4	3	12
DAY SW CORNER	VAR.	VAR.	35
4+22 TO 4+26 LT	4	11	44
COCHRAN NE CORNER	VAR.	VAR.	58
4+29 TO 4+71 LT	4	42	168
4+99 TO 5+34 LT	4	35	140
5+49 TO 5+53 RT	4	11	44
DAY SE CORNER	VAR.	VAR.	56
5+57 TO 7+52 RT	4	195	780
5+59 TO 6+15 LT	4	56	224
5+87 TO 5+91 RT	4	4	16
6+25 TO 7+24 LT	4	99	396
CRAWFORD NW CORNER	VAR.	VAR.	126
6+51 TO 6+55 RT	4	3	12
7+62 TO 8+27 RT	4	65	284
7+62 TO 7+66 LT	4	10	40
CRAWFORD NE CORNER	VAR.	VAR.	60
7+70 TO 8+83 LT	4	113	452
8+95 TO 9+95 LT	4	100	400
8+39 TO 8+99 RT	4	60	240

# PCC SIDEWALK 4 INCH

LOCATION	WIDTH (FT)	LENGTH (FT)	AREA (SQ. FT.)
MULBERRY SW CORNER	VAR.	VAR.	36
MULBERRY SE CORNER	VAR.	VAR.	61
9+39 TO 9+43 RT	4	11	44
9+46 TO 10+12 RT	4	66	265
10+19 TO 10+65 LT	4	46	184
10+22 TO 10+99 RT	4	77	309
MULBERRY NW CORNER	VAR.	VAR.	58
10+70 TO 10+74 LT	4	11	44
MULBERRY NE CORNER	VAR.	VAR.	68
11+02 TO 11+06 LT	4	9	36
11+09 TO 11+70 RT	4	61	246
11+12 TO 11+64 LT	4	52	208
11+82 TO 12+05 LT	4	23	94
11+82 TO 12+70 RT	4	88	352
12+15 TO 13+56 LT	4	141	565
12+82 TO 13+97 RT	4	115	460
13+68 TO 13+99 LT	VAR.	31	158
13+83 TO 13+88 RT	VAR.	9	43
CHERRY SW CORNER	VAR.	VAR.	82
CHERRY SE CORNER	VAR.	VAR.	76
14+44 TO 15+59 RT	4	115	460
14+51 TO 14+82 LT	VAR.	31	115
14+67 TO 14+72 RT	VAR.	VAR.	29
14+67 TO 14+72 LT	VAR.	VAR.	37
14+91 TO 15+69 LT	4	78	312
HAYES NW CORNER	VAR.	VAR.	35
16+02 TO 17+75 RT	4	173	692
HAYES NE CORNER	VAR.	VAR.	35
16+15 TO 16+78 LT	4	63	252
16+88 TO 17+69 LT	4	81	324
17+79 TO 18+45 LT	4	66	266
17+87 TO 18+17 RT	4	30	121
18+17 TO 19+03 RT	VAR.	VAR.	247
GRAND NW CORNER	VAR.	VAR.	68
18+51 TO 18+55 LT	4	8	32
GRAND NE CORNER	VAR.	VAR.	35
18+91 TO 19+26 LT	4	35	141
19+03 TO 20+34 RT	4	131	524
19+36 TO 20+62 LT	4	126	504
DORRIS SW CORNER	VAR.	VAR.	35
DORRIS SE CORNER	VAR.	VAR.	35
20+80 TO 21+64 RT	4	84	336
20+86 TO 22+06 LT	4	120	480
21+76 TO 26+41 RT	4	465	1860

LOCATION	WIDTH (FT)	LENGTH (FT)	AREA (SQ. FT.)
22+19 TO 24+36 LT	4	217	868
RAINS NW CORNER	VAR.	VAR.	64
24+41 TO 24+45 LT	4	9	36
RAINS NE CORNER	VAR.	VAR.	35
24+82 TO 25+84 LT	4	102	408
25+96 TO 26+63 LT	4	67	269
26+53 TO 27+01 RT	4	48	192
ODLE NW CORNER	VAR.	VAR.	34
ODLE SW CORNER	VAR.	VAR.	47
ODLE NE CORNER	VAR.	VAR.	44
27+03 TO 27+81 LT	5	78	396
ODLE SE CORNER	VAR.	VAR.	47
27+97 TO 32+18 LT	5	420	2100
SUNNYSLOPE NW CORNER	VAR.	VAR.	76
32+25 TO 32+29 LT	4	16	64
SUNNYSLOPE SW CORNER	VAR.	VAR.	118
SUNNYSLOPE SE CORNER	VAR.	VAR.	151
SUNNYSLOPE NE CORNER	VAR.	VAR.	47
32+85 TO 33+72 RT	4	87	348
32+87 TO 34+23 LT	4	136	544
BENTON NW CORNER	VAR.	VAR.	82
34+38 TO 34+97 LT	VAR.	60	254
BENTON NE CORNER	VAR.	VAR.	82
33+82 TO 34+23 RT	4	41	164
34+07 TO 34+11 RT	4	7	30
BENTON SW CORNER	VAR.	VAR.	231
BENTON SE CORNER	VAR.	VAR.	220
35+11 TO 35+46 RT	4	35	140
35+11 TO 36+12 LT	4	101	404
35+60 TO 35+68 LT	8	VAR.	67
35+71 TO 36+27 RT	4	56	224
35+89 TO 36+00 LT	8	VAR.	81
WALNUT SW CORNER	VAR.	VAR.	47
WALNUT NW CORNER	VAR.	VAR.	46
WALNUT SE CORNER	VAR.	VAR.	47
WALNUT NE CORNER	VAR.	VAR.	201
36+69 TO 36+72 LT	4	8	32
37+03 TO 38+43 LT	5	140	700
38+55 TO 40+50 LT	5	195	975
40+50 TO 40+67 LT	5	17	86
40+67 TO 42+32 LT	5	165	822
42+42 TO 42+62 LT	5	20	89
42+72 TO 44+71	5	199	993
42+92 TO 42+96 LT	5	VAR.	51
HORRELL NW CORNER	VAR.	VAR.	60

TOTAL PROPOSED PCC SIDEWALK 4 INCH 29203

ROUTE	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
FAU 9474	09-00056-00-RP	FRANKLIN	82	6
EAST ST. LOUIS STREET		WEST FRANKFORT		
PROJECT M-5071(012)		CONTRACT 99582		

**PAVEMENT MARKINGS**

LOCATION	SKIP DASH 4" YELLOW (FOOT)	CROSSWALK 6" WHITE (FOOT)	STOP BAR 24" WHITE (FOOT)
0+00 TO 45+00	1130		
0+53 TO 0+86 LT		59	
0+54 TO 0+86 RT		62	
0+56 TO 0+67 LT			11
0+67 TO 0+80 RT			13
3+88 TO 4+25 LT		64	
3+94 TO 4+06 LT			12
5+14 TO 5+51 RT		65	
5+33 TO 5+45 RT			12
7+29 TO 7+65 LT		65	
7+37 TO 7+47 LT			10
9+04 TO 9+41 RT		65	
9+22 TO 9+34 RT			12
10+70 TO 11+06 LT		62	
10+78 TO 10+89 LT			12
13+73 RT			14
13+83 LT,RT		63	
13+95 TO 14+55 LT		110	
14+02 TO 14+38 RT		64	
14+04 TO 14+21 LT			17
14+20 TO 14+31 RT			11
14+66 LT,RT		63	
14+75 LT			14
15+75 TO 16+10 LT		62	
15+81 TO 15+92 LT			11
18+51 TO 18+86 LT		61	
18+57 TO 18+68 LT			11
20+39 TO 20+74 RT		61	
20+56 TO 20+67 RT			11
24+41 TO 24+77 LT		61	
24+48 TO 24+59 LT			11
26+66 TO 26+97 LT		51	
26+73 TO 26+83 LT			10
27+06 TO 27+59 RT		88	
27+32 TO 27+46 RT			14
32+24 TO 32+82 LT		100	
32+31 TO 32+72 RT		74	
32+38 TO 32+53 LT			15
32+52 TO 32+67 RT			15
34+25 RT			14
34+30 LT,RT		60	
34+49 TO 34+85 RT		64	
34+67 TO 34+79 RT			12
35+05 LT,RT		60	
35+10 LT			14
36+17 TO 36+77 LT		103	
36+33 TO 36+48 LT			15
36+59 TO 36+72 RT			13
44+69 RT			14
<b>TOTAL PAVEMENT</b>	<b>1130</b>	<b>1587</b>	<b>318</b>

**SEGMENTAL CONCRETE  
BLOCK WALL**

LOCATION	AREA (SQ. FT.)
28+00 TO 29+25.25 LT	839
28+89.75 TO 31+50 LT	2438
36+70 TO 38+45 LT	1278
38+53 TO 40+50 LT	1427
37+75 TO 39+00 RT	766

TOTAL SEGMENTAL CONCRETE BLOCK WALL **6748**

**PIPE CASING, PVC**

LOCATION	PVC CASING	
	12" DIA. (FOOT)	20" DIA. (FOOT)
1+10, 3'RT TO 15'LT		18.0
7+45 TO 7+67, 17'LT		22.0
10+88 TO 11+10, 17'LT		22.0
11+80 TO 12+10, 9'RT		30.0
16+03, 29'LT TO 4'LT	25.0	
24+57 TO 24+69, 17'LT		12.0
35+35, 15'RT TO 1'LT		16.0
36+12 TO 36+26, 28'LT		14.0
36+27, 1'LT TO 15'RT		16.0
36+47, 24'LT TO 36+69, 21'LT		22.0
38+30, 3'LT TO 15'RT		18.0
40+70, 3'LT TO 15'RT		18.0
43+05, 1'LT TO 15'RT		16.0
44+00, 1'RT TO 15'RT		14.0
44+61, 2'RT TO 15'RT		13.0

TOTAL CASING LENGTHS (FT) **25.0** **251.0**

ROUTE	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
FAU 9474	09-00056-00-RP	FRANKLIN	82	7
EAST ST. LOUIS STREET		WEST FRANKFORT		
PROJECT M-5071(012)		CONTRACT 99582		

**SIGNS**

APPROXIMATE LOCATION	TYPE	NO.	SIGN AREA (SQ. FT.)	POST LENGTH (FOOT)
0+54, 33'LT	STOP	R1-1 (30")	6.3	15.5
0+83, 31'RT	STOP	R1-1 (30")	6.3	15.5
2+50, 18'RT	NO PARKING	R7 (12"X18")	1.5	14.5
3+00, 18'LT	NO PARKING	R7 (12"X18")	1.5	14.5
3+94, 38'LT	STOP	R1-1 (30")	6.3	15.5
5+47, 33'RT	STOP	R1-1 (30")	6.3	15.5
7+35, 38'LT	STOP	R1-1 (30")	6.3	15.5
9+37, 32'RT	STOP	R1-1 (30")	6.3	15.5
10+50, 19'RT	NO PARKING	R7 (12"X18")	1.5	14.5
10+75, 35'LT	STOP	R1-1 (30")	6.3	15.5
13+00, 19'LT	NO PARKING	R7 (12"X18")	1.5	14.5
13+69, 20'RT	STOP	R1-1 (30")	6.3	15.5
14+00, 32'LT	STOP	R1-1 (30")	6.3	15.5
14+34, 35'RT	STOP	R1-1 (30")	6.3	15.5
14+75, 18'LT	STOP	R1-1 (30")	6.3	15.5
15+78, 32'LT	STOP	R1-1 (30")	6.3	15.5
17+30, 19'RT	NO PARKING	R7 (12"X18")	1.5	14.5
18+56, 37'LT	STOP	R1-1 (30")	6.3	15.5
20+00, 18'LT	NO PARKING	R7 (12"X18")	1.5	14.5
20+72, 32'RT	STOP	R1-1 (30")	6.3	15.5
22+50, 18'RT	NO PARKING	R7 (12"X18")	1.5	14.5
23+00, 18'LT	NO PARKING	R7 (12"X18")	1.5	14.5
24+46, 35'LT	STOP	R1-1 (30")	6.3	15.5
26+70, 32'RT	STOP	R1-1 (30")	6.3	15.5
27+50, 28'RT	STOP	R1-1 (30")	6.3	15.5
28+50, 18'RT	NO PARKING	R7 (12"X18")	1.5	14.5
30+75, 18'LT	NO PARKING	R7 (12"X18")	1.5	14.5
32+34, 30'LT	STOP	R1-1 (30")	6.3	15.5
32+71, 27'RT	STOP	R1-1 (30")	6.3	15.5
33+50, 18'RT	NO PARKING	R7 (12"X18")	1.5	14.5
34+25, 18'RT	STOP	R1-1 (30")	6.3	15.5
34+80, 39'RT	STOP	R1-1 (30")	6.3	15.5
35+00, 25'RT	SIDEWALK ENDS	(18"X18")	2.3	13.5
35+10, 18'LT	STOP	R1-1 (30")	6.3	15.5
35+80, 18'LT	NO PARKING	R7 (12"X18")	1.5	14.5
36+31, 34'LT	STOP	R1-1 (30")	6.3	15.5
36+77, 28'RT	STOP	R1-1 (30")	6.3	15.5
39+50, 18'RT	NO PARKING	R7 (12"X18")	1.5	14.5
43+50, 18'LT	NO PARKING	R7 (12"X18")	1.5	14.5
44+70, 17'RT	STOP	R1-1 (30")	6.3	15.5

TOTAL SIGN AREA **181**  
TOTAL POST LENGTH **604**

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### STORM SEWER

ROUTE	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
FAU 9474	09-00056-00-RP	FRANKLIN	82	8
EAST ST. LOUIS STREET		WEST FRANKFORT		
PROJECT M-5071(012)		CONTRACT 99582		

POINT TO POINT	STORM SEWERS, CLASS A, TYPE 1						STORM SEWERS, CLASS B, TYPE 1				% GRADE	TRENCH BACKFILL (CU. YD.)	
	12"	15"	18"	21"	24"	24" EQRS	36"	12"	15"	18"			24"
1-2									11			0.24	0.0
2-3									30			0.33	4.1
3-4								31				0.97	3.9
3-5								80				0.40	14.1
4-6	80											0.40	13.9
6-7	19											8.32	2.5
5-8								65				0.58	8.6
6-9	65											0.58	8.6
8-10								61				0.51	9.8
9-11	61											0.51	7.9
10-12								114				0.52	18.1
11-13	114											0.52	14.9
14-16								95				1.63	12.3
15-17	150											0.86	19.6
16-18								125				1.40	20.0
17-19	113											2.04	16.9
18-20								67				2.28	9.8
19-21	67											1.42	8.6
20-22											40	1.17	4.4
21-23	61											1.92	11.1
22-24											61	1.23	9.0
23-25	25											1.40	3.1
25-26	32											5.45	3.3
24-28											40	1.15	4.5
25-29	64											1.13	8.3
27-28	16											10.05	2.0
28-30											55	1.16	8.7
29-31	42											1.21	9.2
30-32											37	0.97	6.8
31-32								31				0.29	5.0
31-35								21				1.19	3.0
33-34								31				0.29	5.0
33-35								21				1.19	3.0
33-36					48							0.52	9.5
34-37											48	0.44	5.6
37-38	16											18.64	2.0
36-39					70							0.79	12.0
37-40											70	1.51	10.7
39-42					47							3.66	8.0
40-41											38	1.16	4.2
43-46						155						0.89	23.4
44-45				137								0.51	11.2
46-47		24										5.50	2.5
46-48										93		2.26	9.6
45-49		153										2.61	29.1
S-48	12											1.00	0.0
48-50									68			2.56	10.8
49-52		125										2.40	19.9
50-51									98			2.26	16.5

POINT TO POINT	STORM SEWERS, CLASS A, TYPE 1						STORM SEWERS, CLASS B, TYPE 1				% GRADE	TRENCH BACKFILL (CU. YD.)	
	12"	15"	18"	21"	24"	24" EQRS	36"	12"	15"	18"			24"
51-53									79			2.53	9.4
52-54		170										2.65	27.9
53-55									101			2.82	12.0
54-57		130										2.85	20.6
55-56									95			2.84	13.2
56-58									105			3.10	12.5
57-59	110											3.00	14.3
58-60									105			2.81	13.7
59-61	75											2.89	9.7
60-67									95			2.95	12.3
61-62	32											6.92	3.3
61-63	20											3.20	2.4
63-64	32											5.76	3.3
63-65	56											3.27	7.1
65-66	16											9.36	2.0
65-68	67											3.22	10.6
67-69									75			3.40	9.7
68-70	59											3.08	7.6
69-72									65			3.85	10.4
70-71	24											1.27	1.6
70-73	47											4.53	6.0
72-74									50			4.00	6.4
73-77	90											4.44	14.1
74-75	32											1.00	2.0
74-76									26			4.42	3.2
76-78									100			5.95	13.0
77-79	145											7.52	18.9
78-80									165			8.73	21.6
79-81	180											8.50	23.6
81-82	168											2.92	22.0
83-84									32			0.50	4.0
84-85	83											5.35	17.0
85-86	71											5.51	12.7
85-101									41			0.73	5.4
86-87	125											8.15	30.5
87-88									31			0.52	3.9
87-89	125											8.29	30.0
89-90	105											8.32	25.4
90-91									31			0.52	3.9
90-92	105											8.34	25.4
92-94	120											7.48	28.4
93-94									31			0.97	3.9
94-96		90										4.53	21.8
95-96									31			0.97	3.9
96-98				56								2.86	14.6
97-98									31			0.97	4.5
98-100												15.84	5.9
99-100									24			8.87	5.3

TOTALS	2824	692	99	137	165	155	104	1547	587	93	389	1036	
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ROUTE	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
FAU 9474	09-00056-00-RP	FRANKLIN	82	9
EAST ST. LOUIS STREET		WEST FRANKFORT		
PROJECT M-5071(012)		CONTRACT 99582		

### DRAINAGE STRUCTURES

NO.	STATION	OFFSET	SIDE	STRUCTURE TYPE	TOP OF CASTING ELEVATION	FLOWLINE ELEVATION
1	0+84.1	53.02	RT	PRC FLARED END SECTION, 15"	-	414.36
2	0+83.4	35.38	RT	INLET, TYPE A, TYPE 8 GRATE	416.88	414.40
3	1+10	16.75	RT	INLET, SPECIAL, NO. 1	417.20	414.50
4	1+10	16.75	LT	INLET, SPECIAL, NO. 1	417.20	414.80
5	1+95	16.75	RT	INLET, SPECIAL, NO. 1	417.78	414.82
6	1+95	16.75	LT	INLET, SPECIAL, NO. 1	417.78	415.12
7	2+09	32.9	LT	INLET, TYPE A, TYPE 8 GRATE	418.70	416.70
8	2+65	16.75	RT	INLET, SPECIAL, NO. 1	418.26	415.20
9	2+65	16.75	LT	INLET, SPECIAL, NO. 1	418.26	415.50
10	3+31	16.75	RT	INLET, SPECIAL, NO. 1	418.71	415.51
11	3+31	16.75	LT	INLET, SPECIAL, NO. 1	418.71	415.81
12	4+50	16.75	RT	INLET, SPECIAL, NO. 1	419.53	416.10
13	4+50	16.75	LT	INLET, SPECIAL, NO. 1	419.53	416.40
14	6+35	16.75	RT	INLET, SPECIAL, NO. 1	419.04	416.10
15	6+35	16.75	LT	INLET, SPECIAL, NO. 1	419.04	415.80
16	7+35	16.75	RT	INLET, SPECIAL, NO. 1	417.69	414.55
17	7+90	16.75	LT	INLET, SPECIAL, NO. 1	416.95	414.51
18	8+65	16.75	RT	INLET, SPECIAL, NO. 1	415.93	412.80
19	9+08	16.75	LT	INLET, SPECIAL, NO. 1	415.34	412.20
20	9+36.2	19.30	RT	MANHOLE, TYPE A, 4' DIA, T1F, CL	414.59	411.27
21	9+80	16.75	LT	INLET, SPECIAL, NO. 1	414.36	411.25
22	9+80	16.75	RT	INLET, SPECIAL, NO. 1	414.36	410.80
23	10+46	16.75	LT	INLET, SPECIAL, NO. 1	413.46	410.08
24	10+46	16.75	RT	INLET, SPECIAL, NO. 1	413.46	410.05
25	10+76	16.81	LT	MANHOLE, TYPE A, 4' DIA, T1F, CL	412.35	409.73
26	10+76	56.80	LT	PRC FLARED END SECTION, 12"	-	411.80
27	10+90	40	RT	PRC FLARED END SECTION, 12"	-	411.80
28	10+90.4	16.75	RT	INLET, SPECIAL, NO. 1	412.87	409.59
29	11+44.6	16.75	LT	INLET, SPECIAL, NO. 1	412.40	409.01
30	11+50	16.75	RT	INLET, SPECIAL, NO. 1	412.37	408.95
31	11+91.7	16.75	LT	INLET, SPECIAL, NO. 1	412.31	408.50
32	11+91.7	16.75	RT	INLET, SPECIAL, NO. 1	412.31	408.59
33	11+97.7	16.75	LT	INLET, SPECIAL, NO. 1	412.32	408.50
34	11+97.7	16.75	RT	INLET, SPECIAL, NO. 1	412.32	408.59
35	11+91	40.71	LT	EXISTING JUNCTION BOX	-	408.25
36	12+50	16.75	LT	INLET, SPECIAL, NO. 1	412.61	408.75
37	12+50	16.75	RT	INLET, SPECIAL, NO. 1	412.61	408.80
38	12+52.7	39.85	RT	PRC FLARED END SECTION, 12"	-	412.90
39	13+25	16.75	LT	INLET, SPECIAL, NO. 1	413.52	409.30
40	13+25	16.75	RT	INLET, SPECIAL, NO. 1	413.52	409.86
41	13+67.7	17.25	RT	INLET, SPECIAL, NO. 1	414.07	410.30
42	13+76.7	16.75	LT	INLET, SPECIAL, NO. 1	414.19	411.02
43	14+97.3	16.75	RT	INLET, SPECIAL, NO. 1	415.11	412.27
44	15+16	16.75	LT	INLET, SPECIAL, NO. 1	415.19	412.30
45	16+57.5	16.75	LT	INLET, SPECIAL, NO. 1	416.92	413.00
46	16+57.5	16.75	RT	INLET, SPECIAL, NO. 1	416.92	413.65
47	16+79	38.70	RT	PRC FLARED END SECTION, 15"	-	415.30
48	17+55	16.75	RT	INLET, SPECIAL, NO. 1	419.14	415.75
49	18+15	16.75	LT	INLET, SPECIAL, NO. 1	420.50	417.00
50	18+27.8	16.75	RT	INLET, SPECIAL, NO. 1	420.79	417.49

NO.	STATION	OFFSET	SIDE	STRUCTURE TYPE	TOP OF CASTING ELEVATION	FLOWLINE ELEVATION
51	19+30	16.75	RT	INLET, SPECIAL, NO. 1	423.12	419.70
52	19+45	16.75	LT	INLET, SPECIAL, NO. 1	423.46	420.00
53	20+14	16.75	RT	INLET, SPECIAL, NO. 1	425.12	421.70
54	21+20	16.75	LT	INLET, SPECIAL, NO. 1	427.95	424.50
55	21+20	16.75	RT	INLET, SPECIAL, NO. 1	427.95	424.55
56	22+20	16.75	RT	INLET, SPECIAL, NO. 1	430.65	427.25
57	22+55	16.75	LT	INLET, SPECIAL, NO. 1	431.60	428.20
58	23+30	16.75	RT	INLET, SPECIAL, NO. 1	433.62	430.50
59	23+70	16.75	LT	INLET, SPECIAL, NO. 1	434.70	431.50
60	24+40	16.75	RT	INLET, SPECIAL, NO. 1	436.59	433.45
61	24+48.9	17.13	LT	MANHOLE, TYPE A, 4' DIA, T1F, CL	436.53	433.67
62	24+49	57.00	LT	PRC FLARED END SECTION, 12"	-	436.30
63	24+72.1	16.63	LT	MANHOLE, TYPE A, 4' DIA, T1F, CL	437.16	434.31
64	24+72	57.00	LT	PRC FLARED END SECTION, 12"	-	436.50
65	25+33	16.75	LT	INLET, SPECIAL, NO. 1	439.22	436.14
66	25+33	40.00	LT	PRC FLARED END SECTION, 12"	-	438.20
67	25+40	16.75	RT	INLET, SPECIAL, NO. 1	439.39	436.25
68	26+05	16.75	LT	INLET, SPECIAL, NO. 1	441.44	438.30
69	26+20	16.75	RT	INLET, SPECIAL, NO. 1	441.94	438.80
70	26+68.6	16.75	LT	MANHOLE, TYPE A, 4' DIA, T1F, CL	443.11	440.12
71	26+68	48.75	LT	PRC FLARED END SECTION, 12"	-	440.50
72	26+90	16.75	RT	INLET, SPECIAL, NO. 1	444.41	441.30
73	27+20	16.75	LT	INLET, SPECIAL, NO. 1	445.50	442.25
74	27+44.4	16.75	RT	MANHOLE, TYPE A, 4' DIA, T1F, CL	445.92	443.30
75	27+46.5	56.70	RT	PRC FLARED END SECTION, 12"	-	443.68
76	27+75	16.75	RT	INLET, SPECIAL, NO. 1	447.57	444.45
77	28+15	16.75	LT	INLET, SPECIAL, NO. 1	449.49	446.25
78	28+80	16.75	RT	INLET, SPECIAL, NO. 1	453.51	450.40
79	29+65	16.75	LT	INLET, SPECIAL, NO. 1	460.40	457.15
80	30+50	16.75	RT	INLET, SPECIAL, NO. 1	467.93	464.80
81	31+50	16.75	LT	INLET, SPECIAL, NO. 1	475.69	472.45
82	33+23	16.75	LT	INLET, SPECIAL, NO. 1	480.47	477.35
83	35+35.8	16.75	RT	INLET, SPECIAL, NO. 1	478.28	475.06
84	35+43	16.75	LT	INLET, SPECIAL, NO. 1	478.03	474.90
85	36+27	27.45	LT	INLET, SPECIAL, NO. 1	474.20	470.46
86	37+00	16.75	LT	INLET, SPECIAL, NO. 1	469.68	466.55
87	38+29.7	16.75	LT	INLET, SPECIAL, NO. 1	459.52	456.36
88	38+29.7	16.75	RT	INLET, SPECIAL, NO. 1	459.52	456.52
89	39+60	16.75	LT	INLET, SPECIAL, NO. 1	449.14	446.00
90	40+70	16.75	LT	INLET, SPECIAL, NO. 1	440.37	437.26
91	40+70	16.75	RT	INLET, SPECIAL, NO. 1	440.37	437.42
92	41+80	16.75	LT	INLET, SPECIAL, NO. 1	431.61	428.50
93	43+05	16.75	RT	INLET, SPECIAL, NO. 1	422.84	419.83
94	43+05	16.75	LT	INLET, SPECIAL, NO. 1	422.84	419.53
95	44+00	16.75	RT	INLET, SPECIAL, NO. 1	418.85	415.75
96	44+00	16.75	LT	INLET, SPECIAL, NO. 1	418.85	415.45
97	44+61	16.75	RT	INLET, SPECIAL, NO. 1	417.54	414.15
98	44+61	16.75	LT	INLET, SPECIAL, NO. 1	417.54	413.85
99	44+86.8	46.40	LT	PRC FLARED END SECTION, 18"	-	413.50
100	44+82.8	14.64	LT	JUNCTION BOX (SPECIAL)	417.18	410.84
101	36+27.7	15.65	RT	INLET, SPECIAL, NO. 2	473.81	470.76

### TREE REMOVAL

STATION	OFFSET (FT)	6-15 UNITS	OVER 15 UNITS
8+89	44'LT		18
15+08	27'RT	13	
15+22	29'LT		26
15+27	23'RT	10	
15+52	26'RT	14	
15+52	26'RT	13	
16+85	22'RT	10	
16+85	22'RT	9	
16+87	27'RT		18
17+01	27'RT	10	
17+04	23'RT	12	
17+07	26'RT		19
17+14	26'RT		18
20+65	35'LT		22
21+86	22'RT		23
22+92	28'RT		17
22+92	28'RT		18
22+93	22'RT	8	
23+09	29'RT	13	
23+57	20'LT	10	
23+95	23'RT	8	
23+98	24'RT	7	
24+00	24'RT	9	
24+00	24'RT	6	
24+03	25'RT	9	
25+72	27'RT	11	
25+74	26'RT	10	
25+76	20'RT	10	
25+76	20'RT	7	
25+83	21'RT	10	
25+83	21'RT	12	
25+92	18'RT	9	
25+92	22'RT	7	
25+92	22'RT	6	
25+99	20'RT	7	
25+99	22'RT	13	
26+01	21'RT	12	
26+01	21'RT	14	
26+12	22'RT		15
26+12	22'RT	14	
26+22	25'RT	6	
26+24	22'RT	10	
26+25	23'RT	11	
26+25	26'RT	12	
26+71	28'RT		26
26+89	28'RT		42
28+85	35'LT		26

STATION	OFFSET (FT)	6-15 UNITS	OVER 15 UNITS
29+02	36'LT	14	
29+16	33'LT	13	
29+16	33'LT		18
30+85	22'RT		36
31+15	22'RT		33
31+47	23'RT		30
37+02	21'RT		20
37+50	21'RT	14	
37+50	21'RT		17
37+61	21'RT		22
37+86	19'RT	9	
37+86	19'RT	8	
38+10	18'RT	12	
38+10	18'RT	10	
38+29	18'RT		17
38+29	18'RT		16
38+48	18'RT	9	
38+92	24'RT		16
38+92	24'RT	13	
38+92	24'RT		15
39+10	28'RT		16
39+59	18'RT		30
40+06	32'RT		18
40+10	33'RT		18
40+98	27'RT	10	
41+02	27'RT	12	
41+20	28'RT	13	
41+30	27'RT		15
41+48	29'RT		17
41+52	29'RT		19
42+00	28'RT		19
42+22	28'RT		20
42+32	29'RT		40

TOTALS	479	740
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ROUTE	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
FAU 9474	09-00056-00-RP	FRANKLIN	82	10
EAST ST. LOUIS STREET		WEST FRANKFORT		
PROJECT M-5071(012)		CONTRACT 99582		

### INLET AND STRUCTURE REMOVAL

STRUCTURE NO.	LOCATION	DESCRIPTION
S1	6+93, 19'RT	INLET
S2	8+18, 19'RT	INLET
S3	9+36, 19'RT	JUNCTION BOX
S4	9+45, 19'RT	INLET
S5	10+04, 20'RT	INLET
S6	10+27, 20'RT	INLET
S7	10+91, 19'RT	INLET
S8	11+37, 18'RT	INLET
S9	11+66, 17'RT	INLET
S10	11+97, 18'LT	INLET
S11	11+99, 17'RT	INLET
S12	12+87, 17'RT	INLET
S13	13+69, 18'RT	INLET
S14	13+77, 17'LT	INLET
S15	14+98, 17'RT	INLET
S16	15+16, 17'LT	INLET
S17	15+69, 17'LT	INLET
S18	18+33, 15'RT	INLET
S19	21+00, 17'LT	INLET
S20	21+62, 17'LT	INLET
S21	23+75, 16'LT	INLET
S22	24+03, 16'RT	INLET
S23	24+48, 17'LT	INLET
S24	24+72, 18'LT	INLET
S25	26+98, 18'LT	INLET
S26	27+60, 20'RT	INLET
S27	27+75, 14'LT	INLET
S28	28+46, 12'LT	INLET
S29	28+90, 11'LT	INLET
S30	32+76, 24'LT	INLET
S31	36+28, 26'LT	INLET
S32	36+70, 24'LT	INLET
S33	42+80, 18'LT	INLET

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### SIDEWALK REMOVAL

LOCATION	WIDTH (FT)	LENGTH (FT)	AREA (SQ. FT.)
0+26.4 TO 0+54 LT	VAR.	27.6	86
0+26.4 TO 0+49 RT	VAR.	22.6	85
0+45 TO 0+49 RT	4	VAR.	155
0+48 TO 0+52 LT	4	VAR.	61
0+82 TO 0+86 RT	4	VAR.	56
0+82 TO 2+12 RT	VAR.	130	493
0+88 TO 0+92 RT	4	VAR.	111
0+92 TO 3+44 RT	VAR.	252	961
2+22 TO 3+93 LT	VAR.	171	649
3+68 TO 5+21 RT	VAR.	153	616
3+89 TO 3+93 LT	4	VAR.	59
4+20 TO 7+37 LT	VAR.	317	1275
4+22 TO 4+26 LT	4	VAR.	64
5+14 TO 5+18 RT	4	VAR.	43
5+34 TO 9+07 RT	VAR.	373	1464
5+49 TO 5+53 RT	4	VAR.	47
7+57 TO 10+77 LT	VAR.	VAR.	1282
7+63 TO 7+67 LT	4	VAR.	68
9+39 TO 9+43 RT	4	VAR.	68
9+39 TO 12+71 RT	VAR.	332	1320
10+69 TO 10+73 LT	4	VAR.	64
11+01 TO 11+82 LT	VAR.	81	318
11+03 TO 11+07 LT	4	VAR.	72
12+24 TO 13+99 LT	VAR.	175	721
12+82 TO 14+05 RT	VAR.	123	492

LOCATION	WIDTH (FT)	LENGTH (FT)	AREA (SQ. FT.)
14+02 TO 14+06 RT	4	VAR.	44
14+35 TO 14+49 RT	VAR.	VAR.	121
14+50 TO 15+81 LT	VAR.	131	516
16+04 TO 18+57 LT	VAR.	253	970
18+82 TO 20+76 LT	VAR.	194	639
20+87 TO 22+06 LT	VAR.	119	448
22+19 TO 24+43 LT	VAR.	224	836
24+41 TO 24+45 LT	4	VAR.	55
24+74 TO 25+38 LT	VAR.	64	249
26+93 TO 27+80 LT	VAR.	87	350
27+98 TO 32+29 LT	VAR.	431	1628
32+25 TO 32+29 LT	4	VAR.	69
32+25 TO 32+29 RT	4	VAR.	135
32+71 TO 34+54 RT	VAR.	183	752
32+74 TO 32+78 RT	VAR.	VAR.	106
34+50 TO 34+54 RT	VAR.	VAR.	99
34+65 TO 34+73 LT	VAR.	8	27
32+81 TO 32+85 RT	4	VAR.	87
32+81 TO 35+46 RT	VAR.	265	248
35+60 TO 36+00 LT	VAR.	VAR.	263
35+71 TO 36+49 RT	VAR.	78	295
36+64 TO 36+73 LT	VAR.	VAR.	107
37+50 TO 37+99 RT	VAR.	49	167

TOTAL SIDEWALK REMOVAL 18841

### RETAINING WALL AND STEPS REMOVAL

LOCATION
STA 20+07 LT TO STA 20+71 LT (RET. WALL AND STEP)
STA 23+25 RT TO STA 23+98 RT (RET. WALL AND STEPS)
STA 24+74 RT TO STA 24+88 RT (RET. WALL)
STA 26+99 LT TO STA 27+83 LT (RET. WALL)
STA 27+99 LT TO STA 28+81 LT (RET. WALL)
STA 29+05 LT TO STA 29+09 LT (STEPS)
STA 29+98 LT TO STA 30+02 LT (STEPS)
STA 37+92 RT TO STA 37+97 RT (RET. WALL AND STEPS)
STA 42+91 LT TO STA 42+95 LT (STEPS)
STA 44+37 LT TO STA 44+78 LT (RET WALL)

TOTAL = 1 LUMP SUM

ROUTE	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
FAU 9474	09-00056-00-RP	FRANKLIN	82	11
EAST ST. LOUIS STREET		WEST FRANKFORT		
PROJECT M-5071(012)		CONTRACT 99582		

### COMBINATION CURB & GUTTER REMOVAL

LOCATION	LENGTH (FOOT)
13+74 TO 13+89 LT	15
13+74 TO 14+10 RT	54
14+32 TO 15+17 RT	97
14+64 TO 15+16 LT	53
32+66 TO 36+35 LT	400
32+68 TO 34+55 RT	228
34+79 TO 36+94 RT	240
36+62 TO 37+26 LT	84
36+94 TO 37+99 RT	105

TOTAL COMBINATION CURB AND GUTTER REMOVAL 1276

### VALVE BOXES TO BE ADJUSTED

LOCATION	VALVE BOXES TO BE ADJUSTED (EACH)
STA 0+76.6, 17.9' RT	1
STA 0+79.5, 8.4' RT	1
STA 0+79.8, 20.5' RT	1
STA 14+30.5, 5.3' RT	1
STA 16+03.1, 4.8' RT	1
STA 32+65.8, 17.1' RT	1
STA 34+56.9, 20.4' RT	1
STA 34+58.8, 23.2' RT	1
STA 34+77.4, 15.8' RT	1
STA 36+55.2, 13.0' RT	1
STA 36.58.3, 5.8' RT	1
STA 36+60.1, 7.8' RT	1

TOTAL 12

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## STORM SEWER REMOVAL

ROUTE	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
FAU 9474	09-00056-00-RP	FRANKLIN	82	12
EAST ST. LOUIS STREET		WEST FRANKFORT		
PROJECT M-5071(012)		CONTRACT 99582		

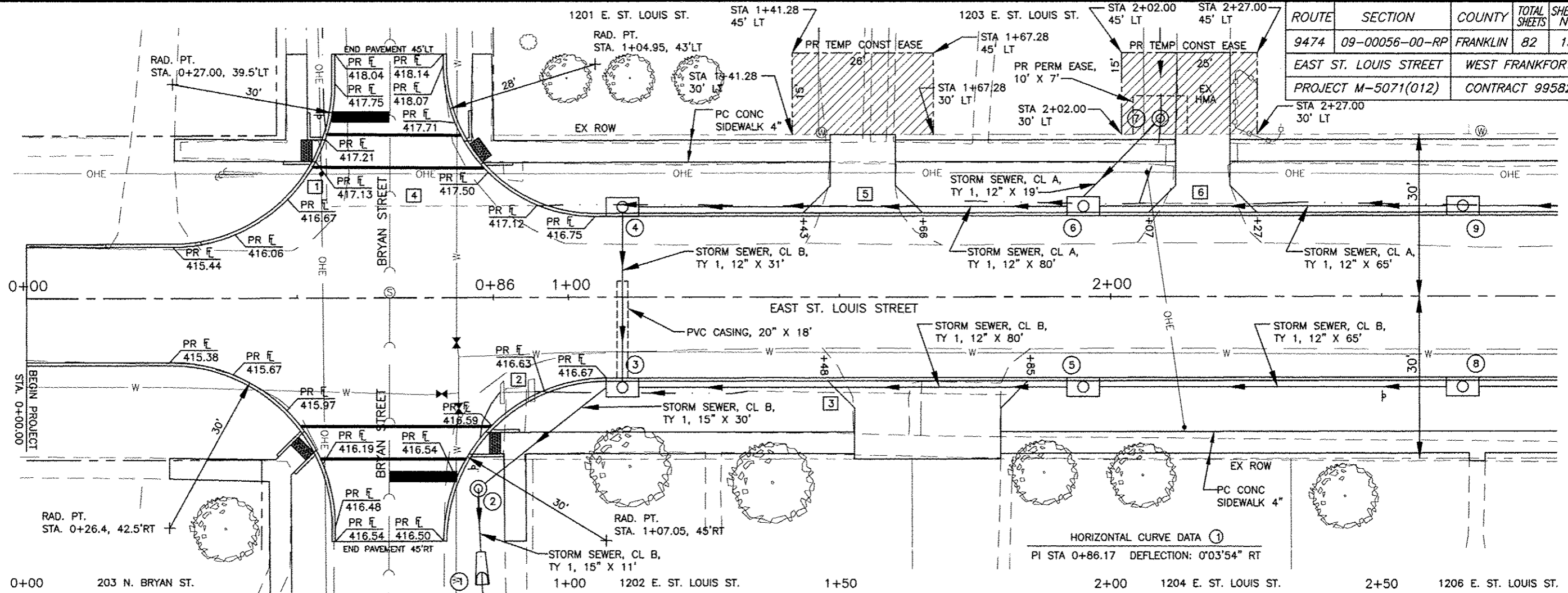
LOC. NO.	STATION	OFFSET (FT)	LENGTH (FEET)									TRENCH BACKFILL (C.Y.)
			6"	8"	12"	15"	18"	21"	24"	30"	36"	
1	0+55	18' TO 32'LT			14							1.8
2	0+87 TO 0+94	17.5'RT					7					0.7
3	1+33 TO 1+81	18'RT		48								0.0
4	0+55 TO 0+94	17'LT			38							5.0
5	1+44 TO 1+64	17'LT			20							0.0
6	2+06 TO 2+26	17'LT			20							0.0
7	3+03 TO 3+11	16.5'RT			8							0.0
8	3+18 TO 3+45	16.5'RT			27							0.0
9	3+95	17' TO 32'RT			15							0.0
10	4+19	17' TO 32'RT			15							0.0
11	3+87 TO 4+28	16.5'LT			41							0.0
12	5+39 TO 5+59	17'LT			20							2.6
13	6+13 TO 6+29	17'LT			17							2.2
14	7+32 TO 7+62	18'LT			30							0.0
15	8+28 TO 9+12	17'LT			84							0.0
16	6+23 TO 6+92	19'RT	69									0.0
17	6+95 TO 8+16	18'RT			122							0.0
18	8+18 TO 9+36	18'RT TO 20'RT			117							0.0
19	9+37 TO 9+43	20'RT						8				0.0
20	9+47 TO 10+03	20'RT						56				0.0
21	10+06 TO 10+26	21'RT						20				2.3
22	9+92 TO 10+23	15'LT			31							0.0
23	10+28 TO 10+88	21'RT			10			61				0.0
24	10+93 TO 11+36	22' TO 20'RT						44				0.0
25	11+38 TO 11+65	20'RT						27				0.0
26	11+67 TO 11+98	20'RT								31		0.0
27	11+64 TO 11+94	17'RT	31									4.3
28	11+92	36'LT TO 18'RT								55		0.0
29	11+98	15'LT TO 18'RT								33		0.0
30	11+91 TO 11+98	36'LT TO 15'LT								20		0.0
31	12+00 TO 12+86	19'RT			13			86				0.0
32	12+00 TO 13+75	16'LT TO 14'LT						175				0.0
33	12+88 TO 13+68	19'LT						80				0.0
34	15+01 TO 16+11	17'RT						110				0.0
35	15+18 TO 15+68	15'LT								50		0.0
36	15+71 TO 16+09	15'LT								38		0.0
37	16+71 TO 16+89	15'LT						18				0.0

LOC. NO.	STATION	OFFSET (FT)	LENGTH (FEET)									TRENCH BACKFILL (C.Y.)
			6"	8"	12"	15"	18"	21"	24"	30"	36"	
38	17+66 TO 17+82	15'LT					16					0.0
39	17+56 TO 18+32	16'RT					76					0.0
40	18+34 TO 19+63	16'RT								129		0.0
41	18+48 TO 18+90	15'LT								42		0.0
42	19+16 TO 19+38	15'LT								22		0.0
43	20+29 TO 21+00	16'LT								71		0.0
44	20+47 TO 20+67	18'RT					20					0.0
45	21+01 TO 21+61	17'LT								60		0.0
46	21+51 TO 21+86	16'RT					35					0.0
47	21+64 TO 23+73	16'LT								210		0.0
48	23+26 TO 25+67	18'RT								241		0.0
49	23+76 TO 24+47	17'LT								71		0.0
50	24+48	17' TO 37'LT				20						0.0
51	24+49 TO 24+71	17'LT								22		0.0
52	24+72	18' TO 38'LT				20						0.0
53	25+33	26' TO 31'LT				5						0.0
54	25+78 TO 25+98	18'LT								20		3.8
55	26+37 TO 26+57	18'RT						20				0.0
56	26+53 TO 26+66	21' TO 34'RT								18		0.0
57	26+55 TO 26+97	18'LT								42		0.0
58	26+99 TO 27+73	18'LT				75						0.0
59	27+11 TO 27+59	17'RT								48		5.0
60	27+46	17' TO 31'RT								14		0.0
61	27+75 TO 28+44	16'LT				69						9.1
62	28+47 TO 28+88	16'LT				41						5.4
63	28+91 TO 29+43	15'LT				52						6.9
64	31+92 TO 32+75	14' TO 22'LT						83				10.0
65	32+75	22'LT TO 50'RT						72				8.7
66	36+30 TO 36+69	22' TO 19'LT								40		4.2
67	36+72 TO 37+27	19'LT TO 10'LT								57		6.0
68	38+39 TO 38+60	16'LT								21		0.0
69	42+30 TO 42+46	18'LT								16		0.0
70	42+61 TO 42+79	19'LT									18	0.0
71	42+81 TO 43+18	19'LT									37	0.0
72	43+14 TO 43+48	14'RT								34		11.6
73	44+77 TO 44+80	17'RT TO 14'LT								32		7.4

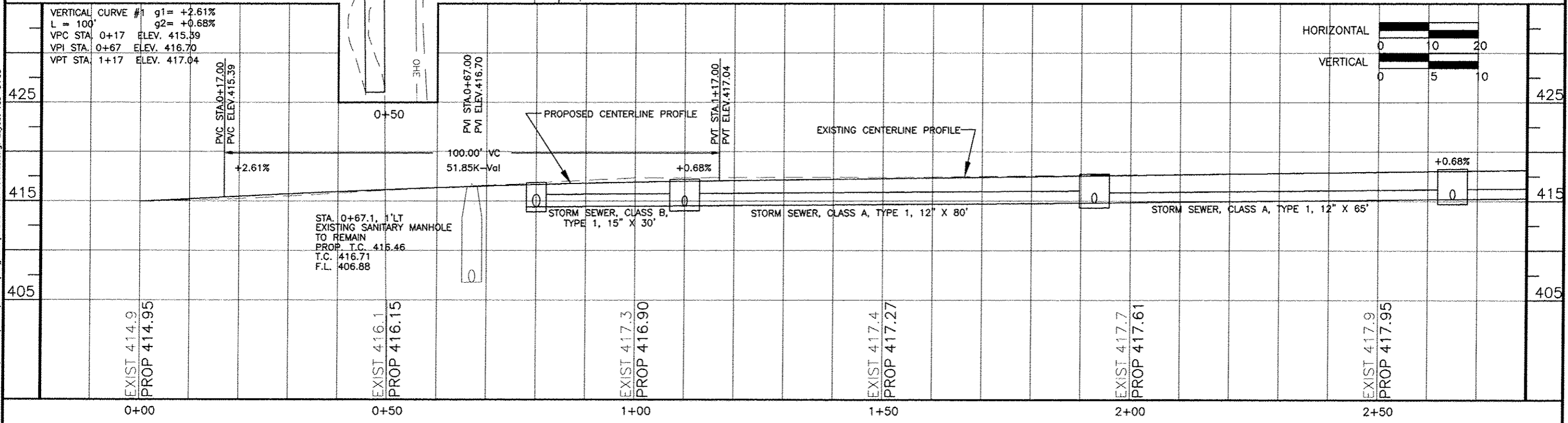
TOTAL STORM SEWER REMOVAL	100	48	958	155	444	322	1249	108	194	97
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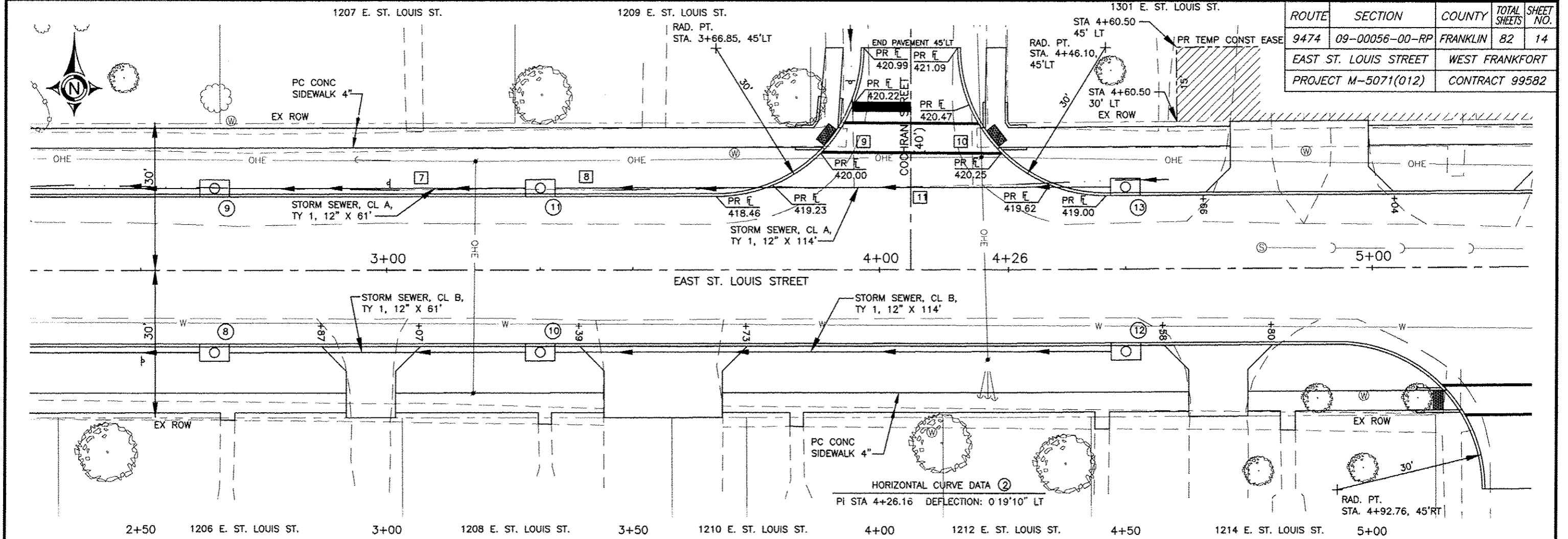
ROUTE	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
9474	09-00056-00-RP	FRANKLIN	82	13
EAST ST. LOUIS STREET		WEST FRANKFORT		
PROJECT M-5071(012)		CONTRACT 99582		



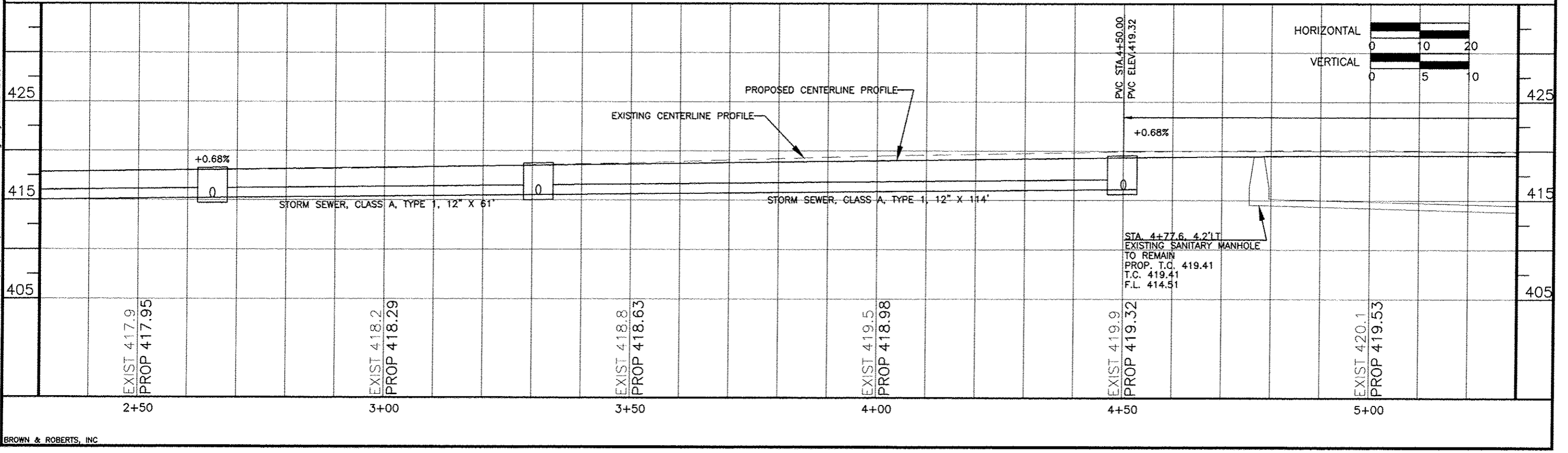
HORIZONTAL CURVE DATA ①  
 PI STA 0+86.17 DEFLECTION: 0°03'54" RT



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ROUTE	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
9474	09-00056-00-RP	FRANKLIN	82	14
EAST ST. LOUIS STREET		WEST FRANKFORT		
PROJECT M-5071(012)		CONTRACT 99582		



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1303 E. ST. LOUIS ST.

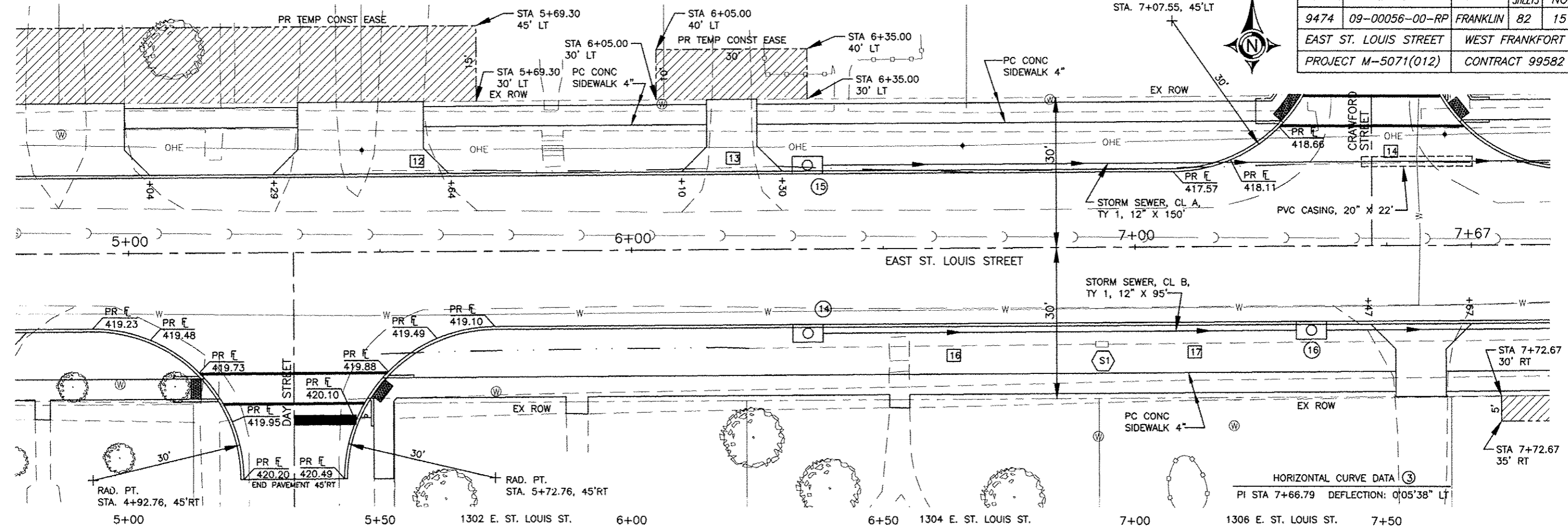
1305 E. ST. LOUIS ST.

1307 E. ST. LOUIS ST.

1309 E. ST. LOUIS ST.

RAD. PT. STA. 7+07.55, 45'LT

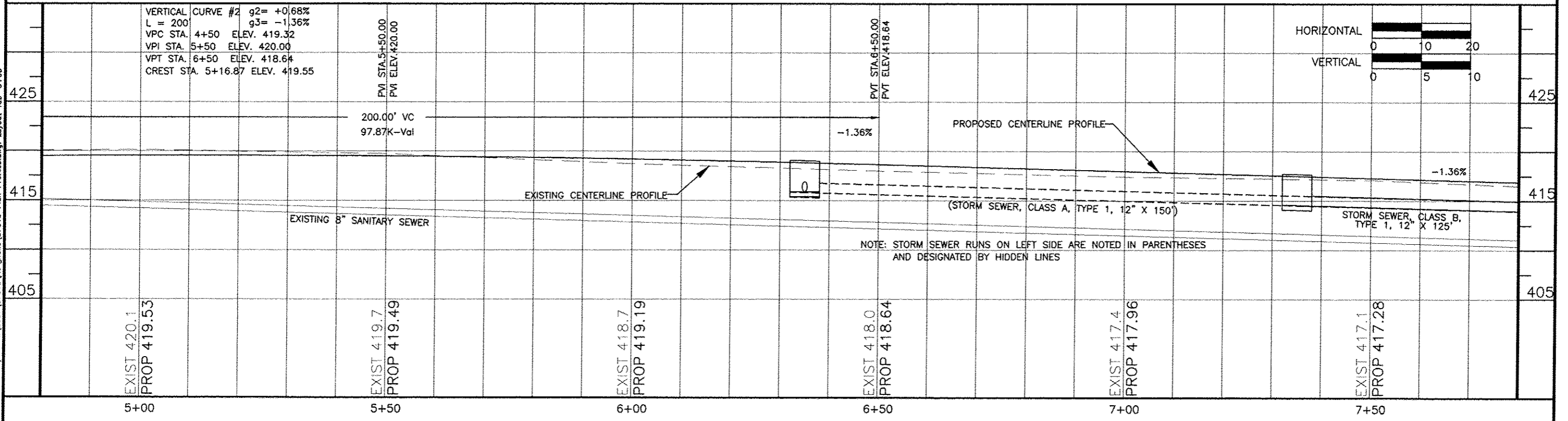
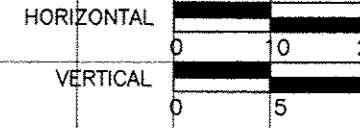
ROUTE	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
9474	09-00056-00-RP	FRANKLIN	82	15
EAST ST. LOUIS STREET		WEST FRANKFORT		
PROJECT M-5071(012)		CONTRACT 99582		



VERTICAL CURVE #2  
 $g_2 = +0.68\%$   
 $g_3 = -1.36\%$   
 $L = 200'$   
 VPC STA. 4+50 ELEV. 419.32  
 VPI STA. 5+50 ELEV. 420.00  
 VPT STA. 6+50 ELEV. 418.64  
 CREST STA. 5+16.87 ELEV. 419.55

PVI STA. 5+50.00  
 PVI ELEV. 420.00

PVI STA. 6+50.00  
 PVI ELEV. 418.64



NOTE: STORM SEWER RUNS ON LEFT SIDE ARE NOTED IN PARENTHESES AND DESIGNATED BY HIDDEN LINES

EXIST 420.1  
 PROP 419.53

EXIST 419.7  
 PROP 419.49

EXIST 418.7  
 PROP 419.19

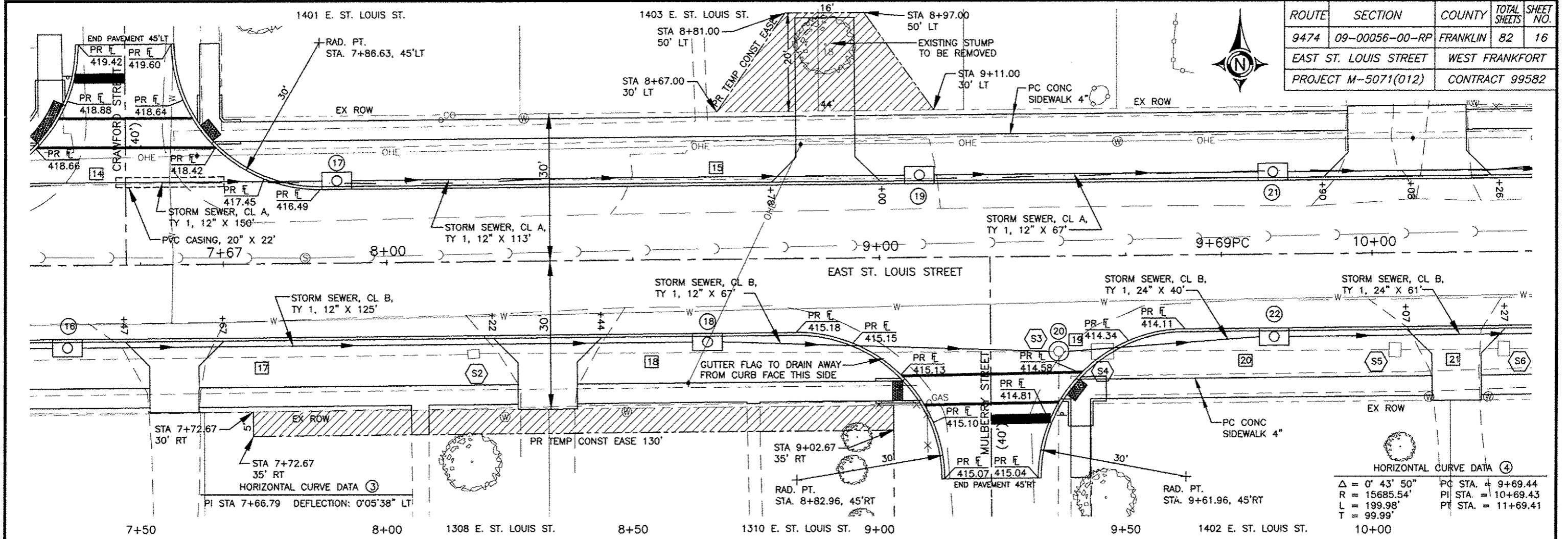
EXIST 418.0  
 PROP 418.64

EXIST 417.4  
 PROP 417.96

EXIST 417.1  
 PROP 417.28

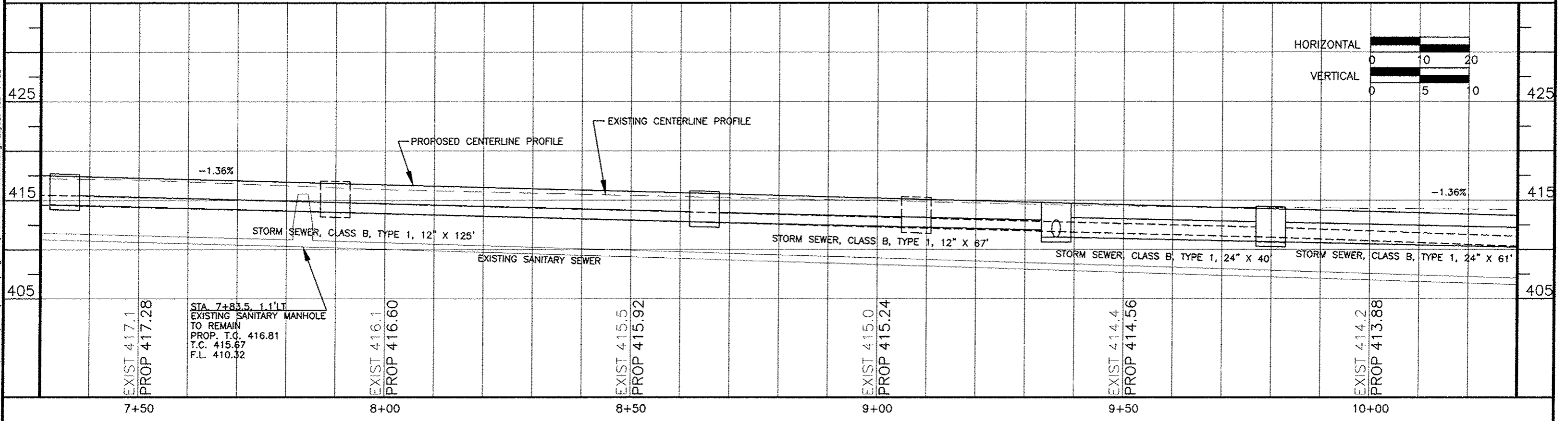
06 Jan 2017 - 3:25pm x:\2007\07018\vac\plans\07018 Plan Profiles.dwg: Layout Tab '5+00'

ROUTE	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
9474	09-00056-00-RP	FRANKLIN	82	16
EAST ST. LOUIS STREET		WEST FRANKFORT		
PROJECT M-5071(012)		CONTRACT 99582		



HORIZONTAL CURVE DATA ④

$\Delta = 0^\circ 43' 50''$	PC STA. = 9+69.44
$R = 15685.54'$	PI STA. = 10+69.43
$L = 199.98'$	PT STA. = 11+69.41
$T = 99.99'$	



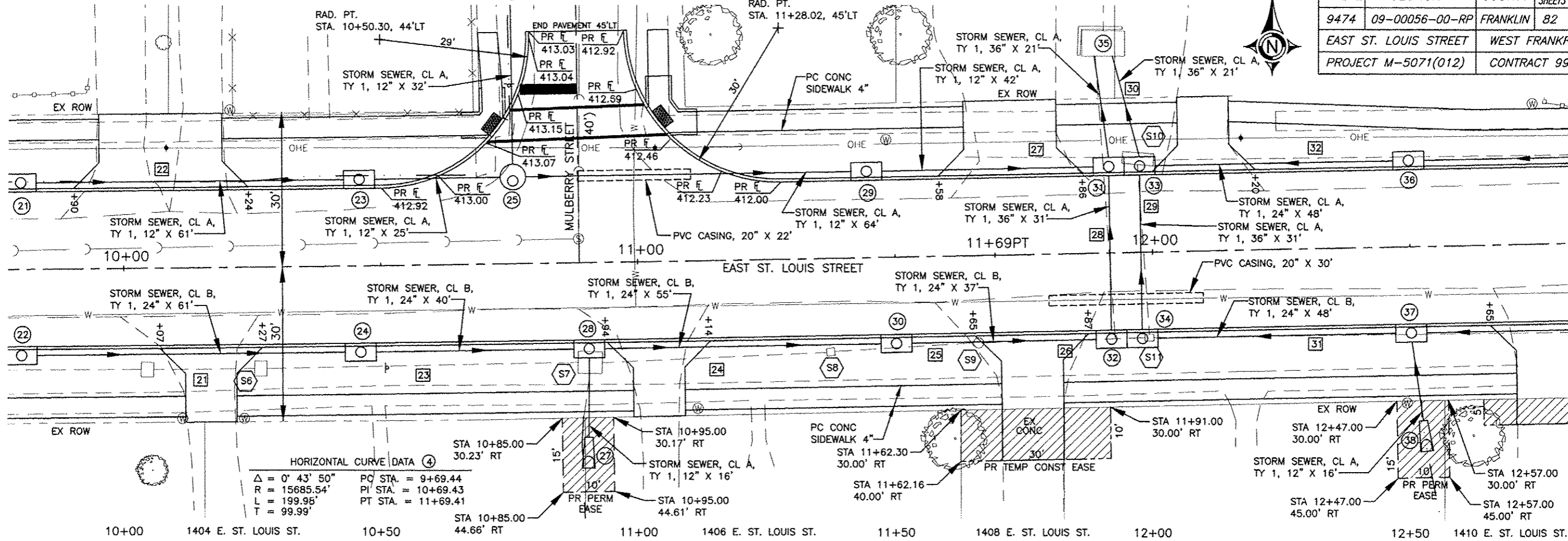
08 Jan 2017 - 3:25pm X:\2007\07018\plan\07018 Plan Profiles.dwg: Layout Tab 7+50



1409 E. ST. LOUIS ST.

302 N. MULBERRY

ROUTE	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
9474	09-00056-00-RP	FRANKLIN	82	17
EAST ST. LOUIS STREET		WEST FRANKFORT		
PROJECT M-5071(012)		CONTRACT 99582		

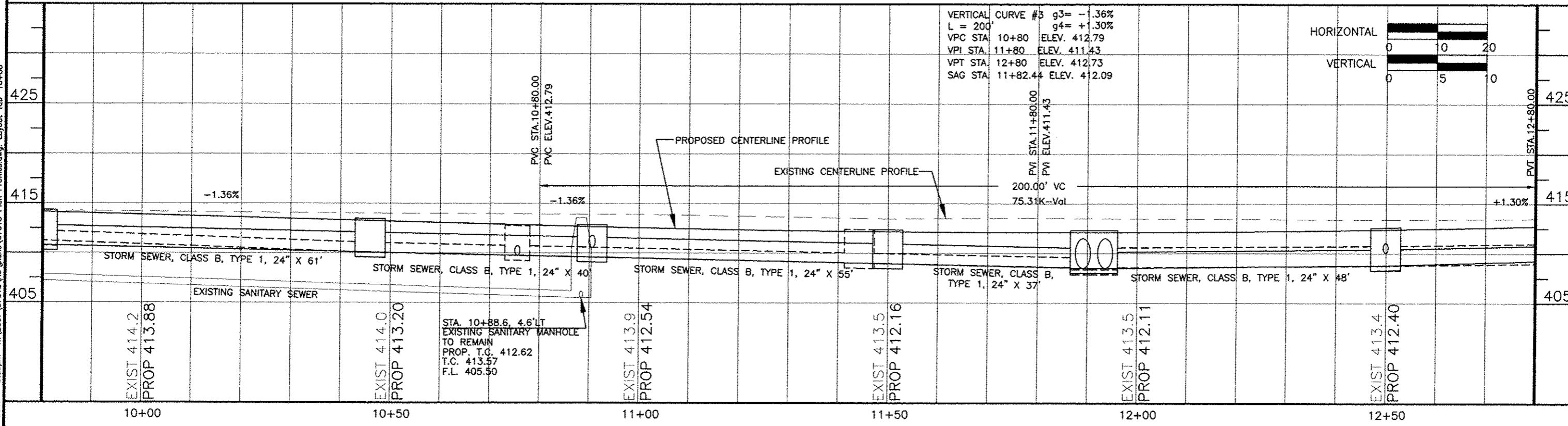
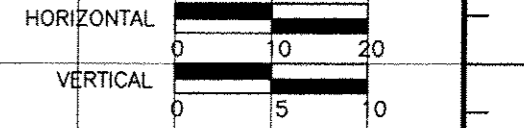


HORIZONTAL CURVE DATA (4)

$\Delta = 0^\circ 43' 50''$	PC STA. = 9+69.44
$R = 15685.54'$	PI STA. = 10+69.43
$L = 199.95'$	PT STA. = 11+69.41
$T = 99.99'$	

VERTICAL CURVE #3

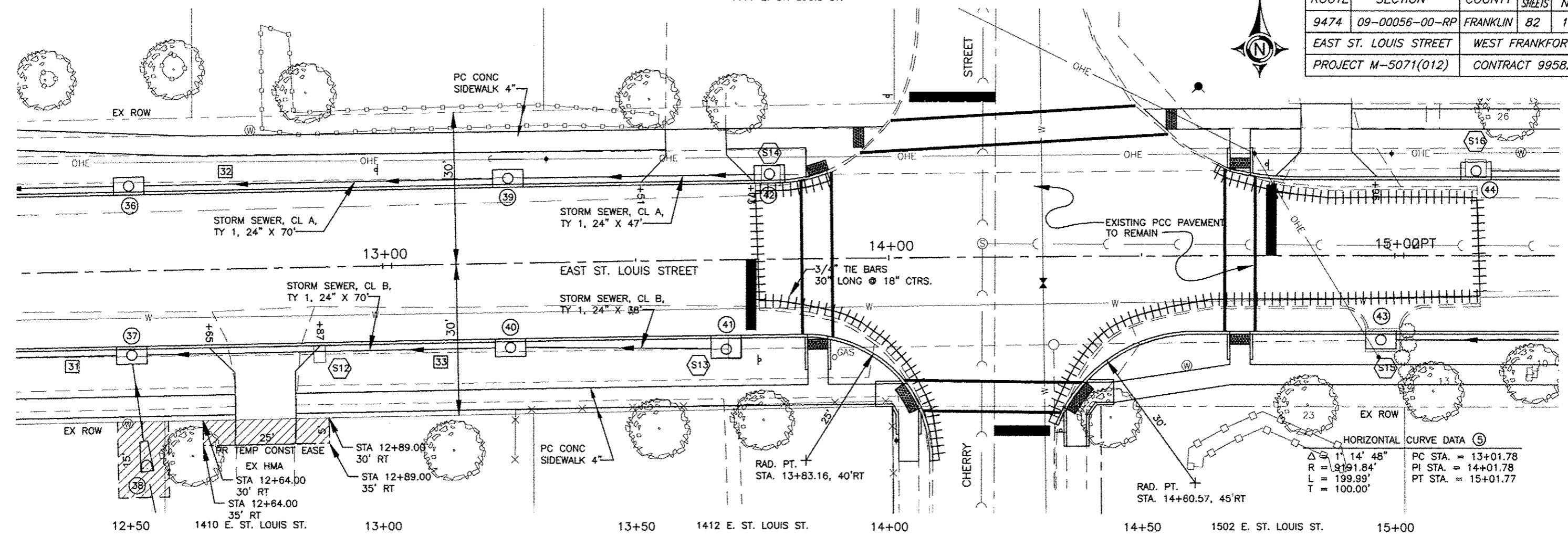
$g3 = -1.36\%$	$g4 = +1.30\%$
$L = 200'$	
VPC STA. 10+80	ELEV. 412.79
VPI STA. 11+80	ELEV. 411.43
VPT STA. 12+80	ELEV. 412.73
SAG STA. 11+82.44	ELEV. 412.09



06 Jan 2017 - 3:25pm x:\2007\07018\vac\plans\07018 Plan Profiles.dwg: Layout Tab '10+00'

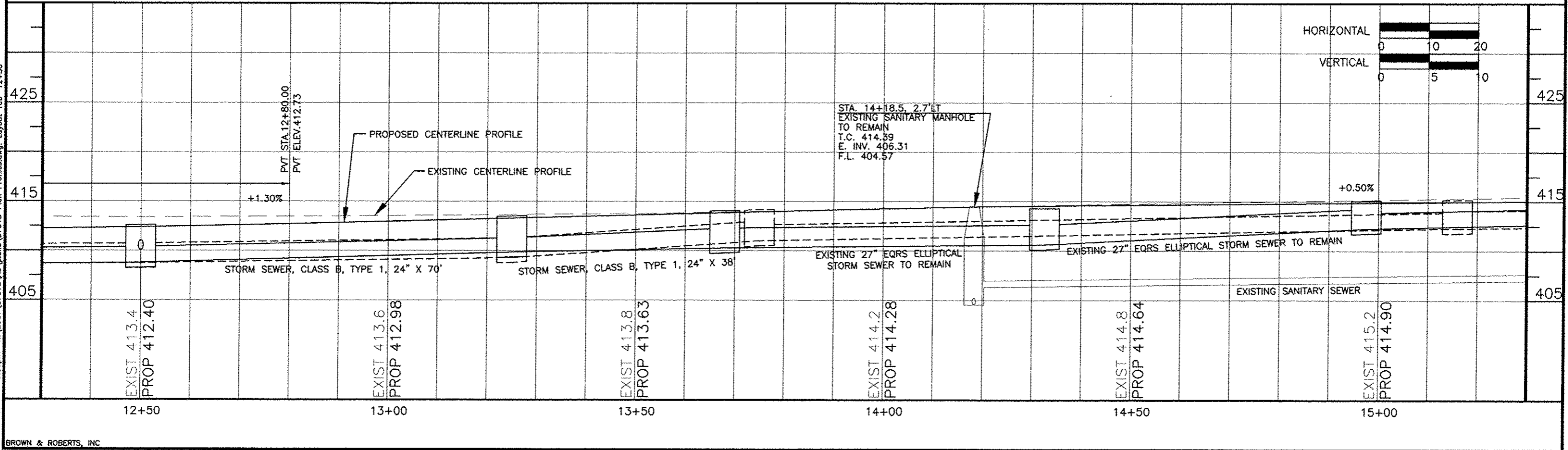
1411 E. ST. LOUIS ST.

ROUTE	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
9474	09-00056-00-RP	FRANKLIN	82	18
EAST ST. LOUIS STREET		WEST FRANKFORT		
PROJECT M-5071(012)		CONTRACT 99582		



HORIZONTAL CURVE DATA (S)

$\Delta$ = 1° 14' 48"	PC STA. = 13+01.78
R = 9191.84'	PI STA. = 14+01.78
L = 199.99'	PT STA. = 15+01.77
T = 100.00'	



HORIZONTAL SCALE: 1" = 20'

VERTICAL SCALE: 1" = 5'

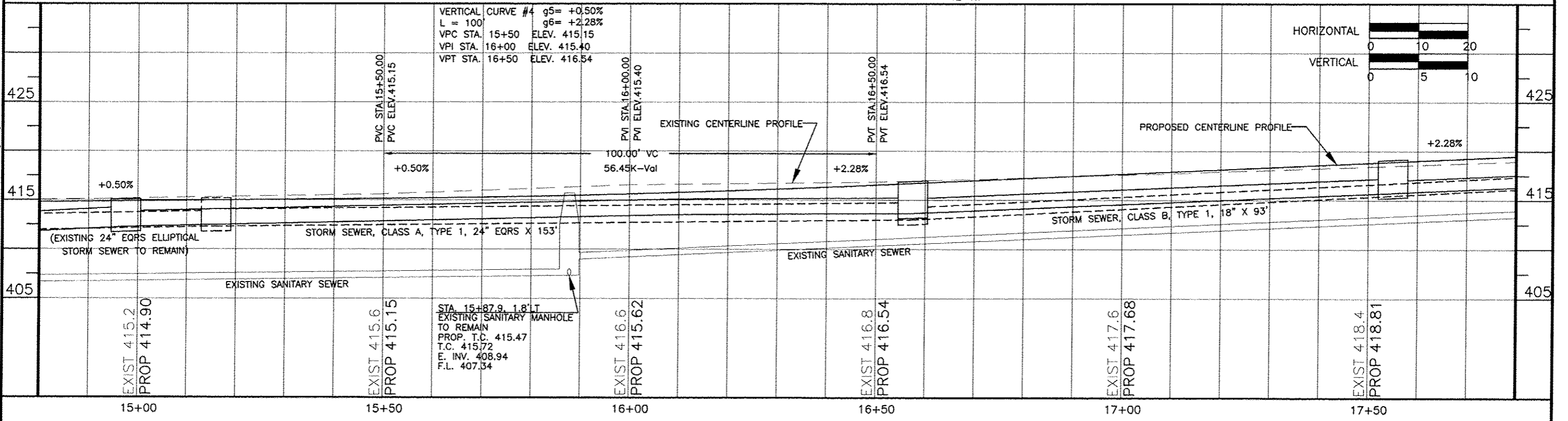
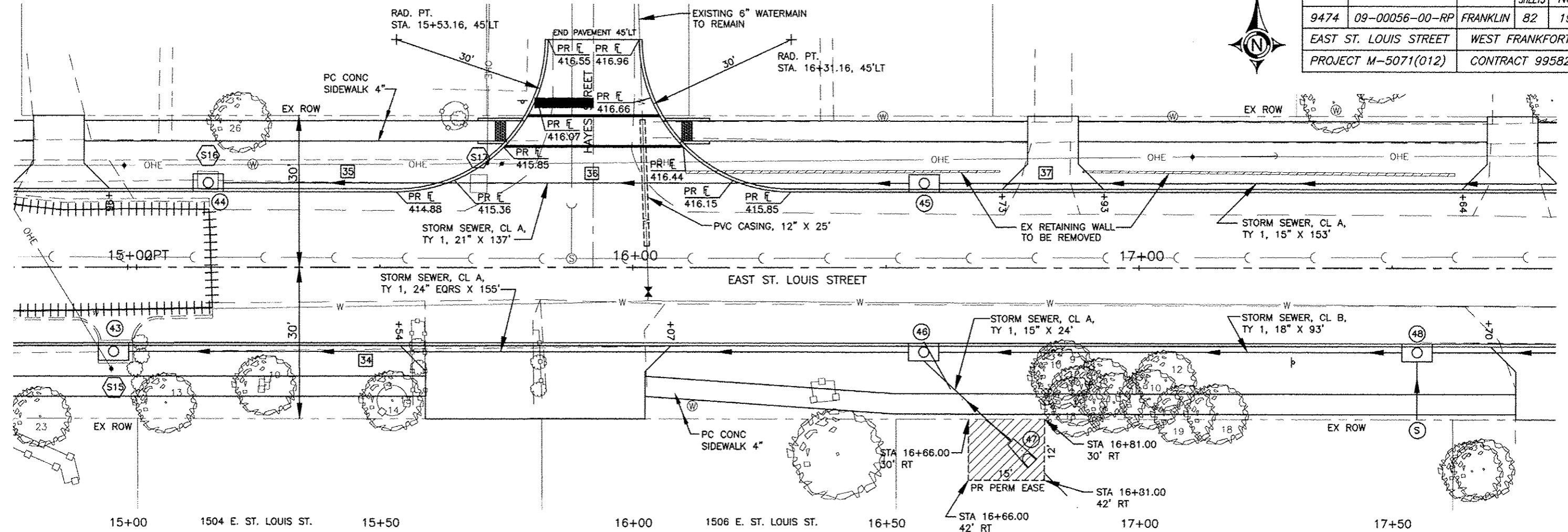
05 Jan 2017 - 3:26pm x:\2007\07018\AC\plans\07018 Plan Profiles.dwg: Layout Tab '12+50'

301 N. HAYES

1603 E. ST. LOUIS



ROUTE	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
9474	09-00056-00-RP	FRANKLIN	82	19
EAST ST. LOUIS STREET		WEST FRANKFORT		
PROJECT M-5071(012)		CONTRACT 99582		



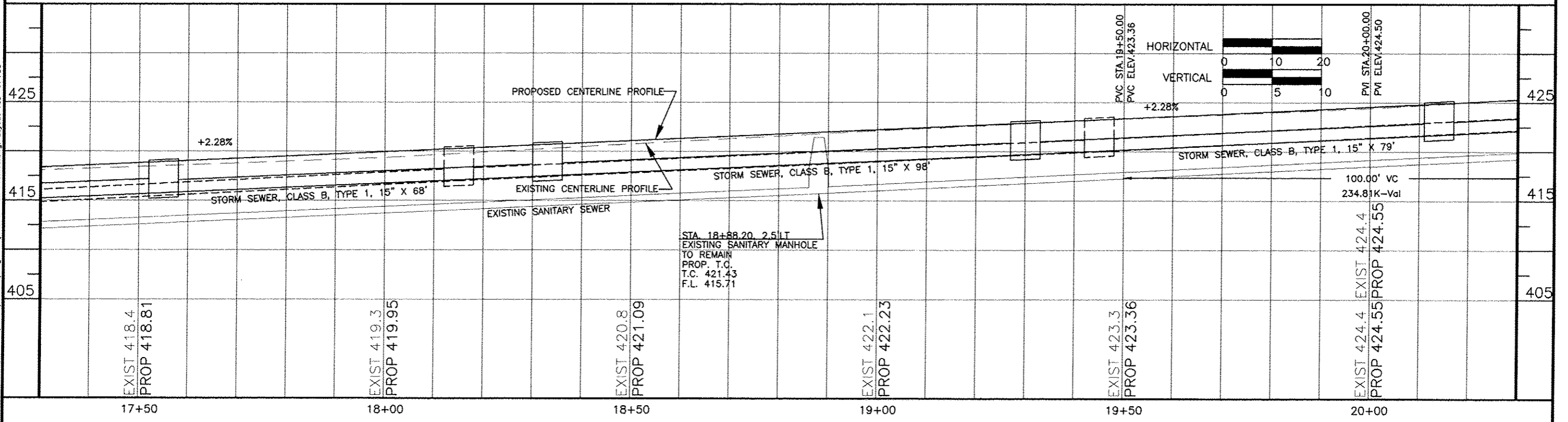
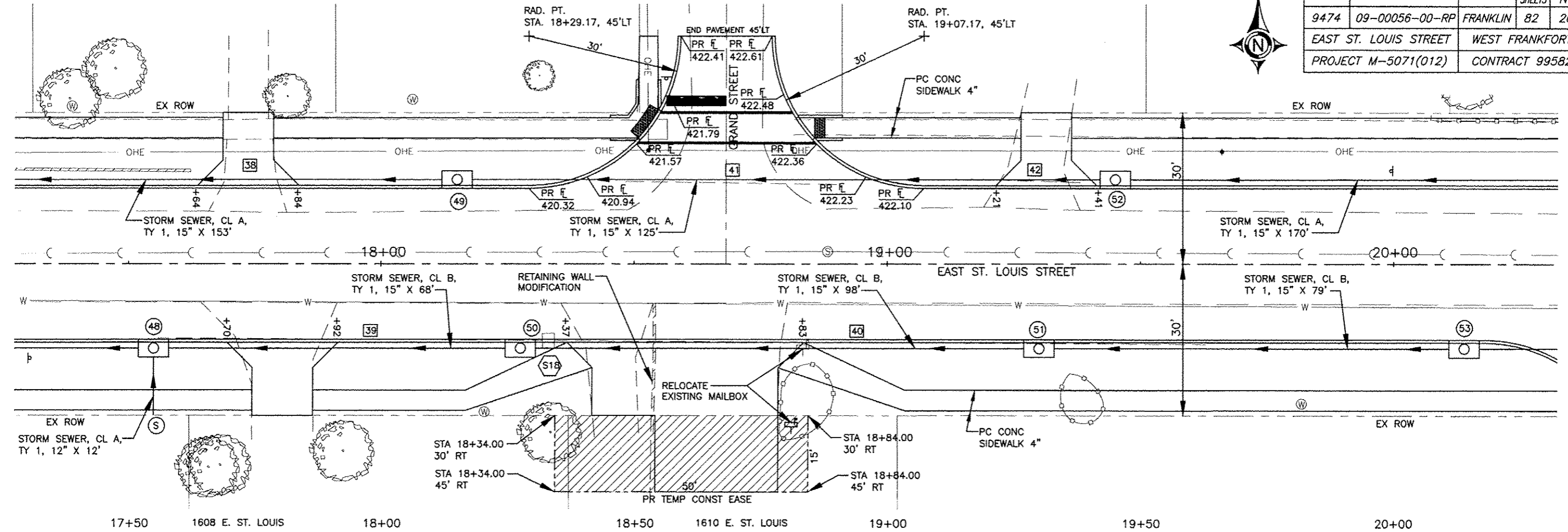
08 Jan 2017 3:28pm X:\2007\07018\MC\plans\07018 Plan Profiles.dwg: Layout Tab '15+00'

1605 E. ST. LOUIS

1607 E. ST. LOUIS

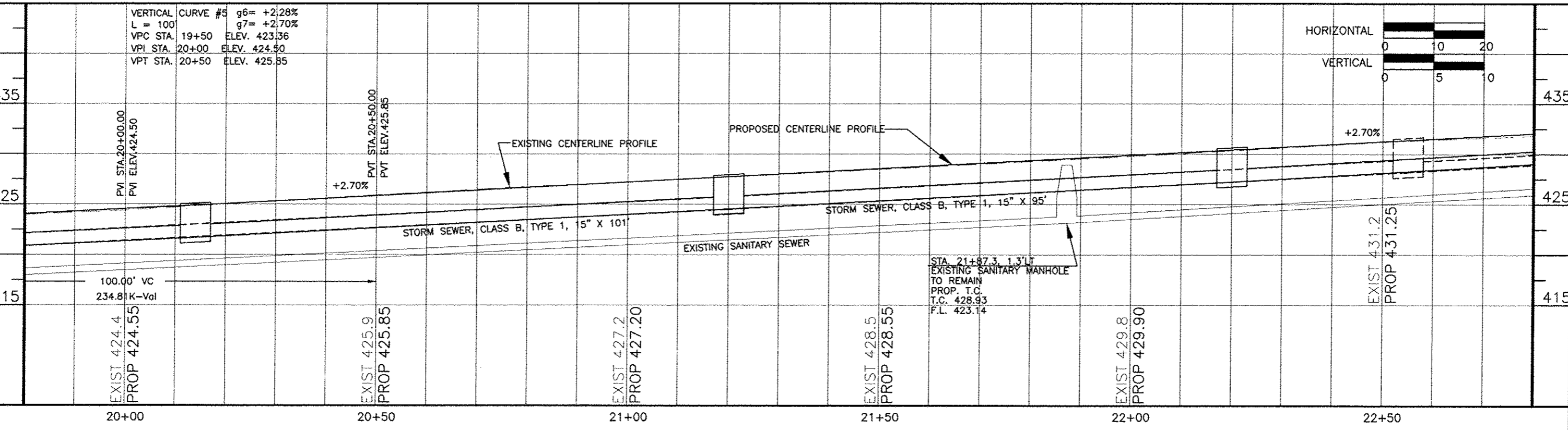
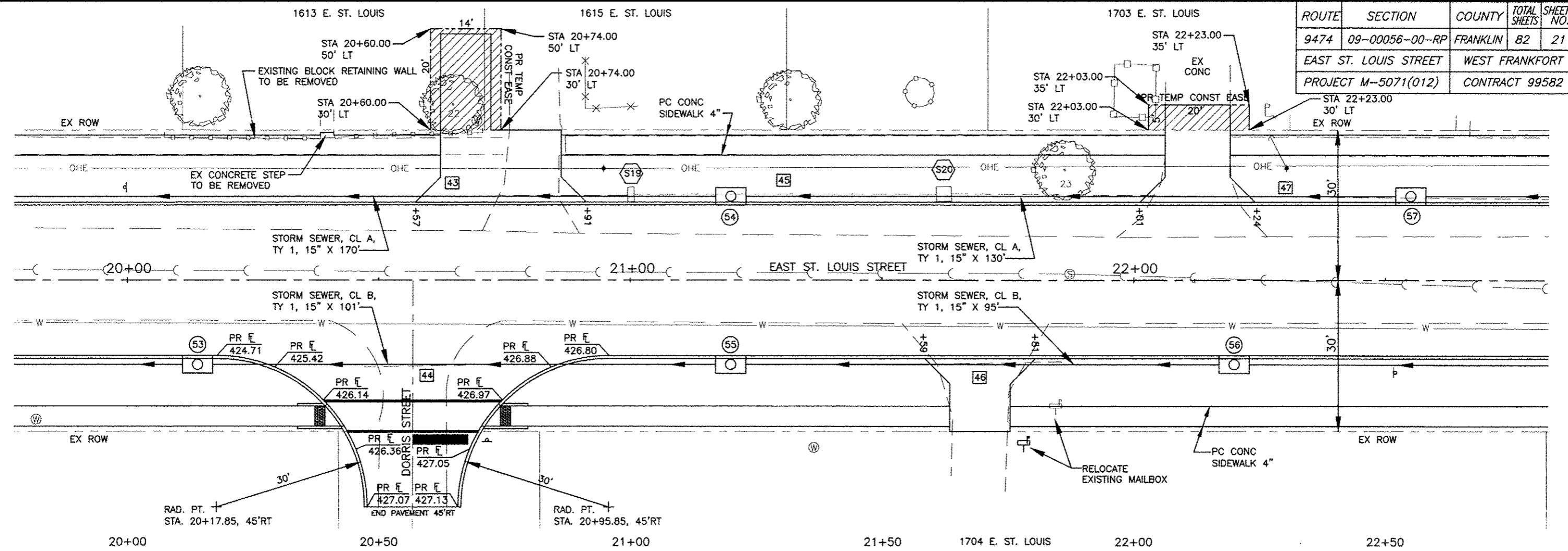
1611 E. ST. LOUIS

ROUTE	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
9474	09-00056-00-RP	FRANKLIN	82	20
EAST ST. LOUIS STREET		WEST FRANKFORT		
PROJECT M-5071(012)		CONTRACT 99582		



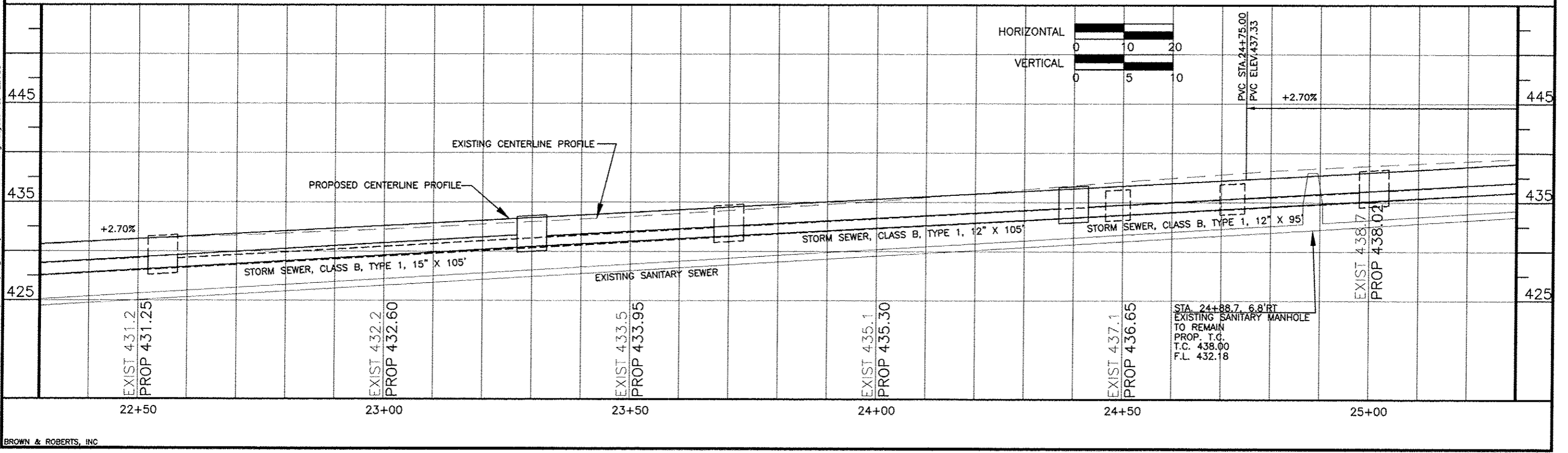
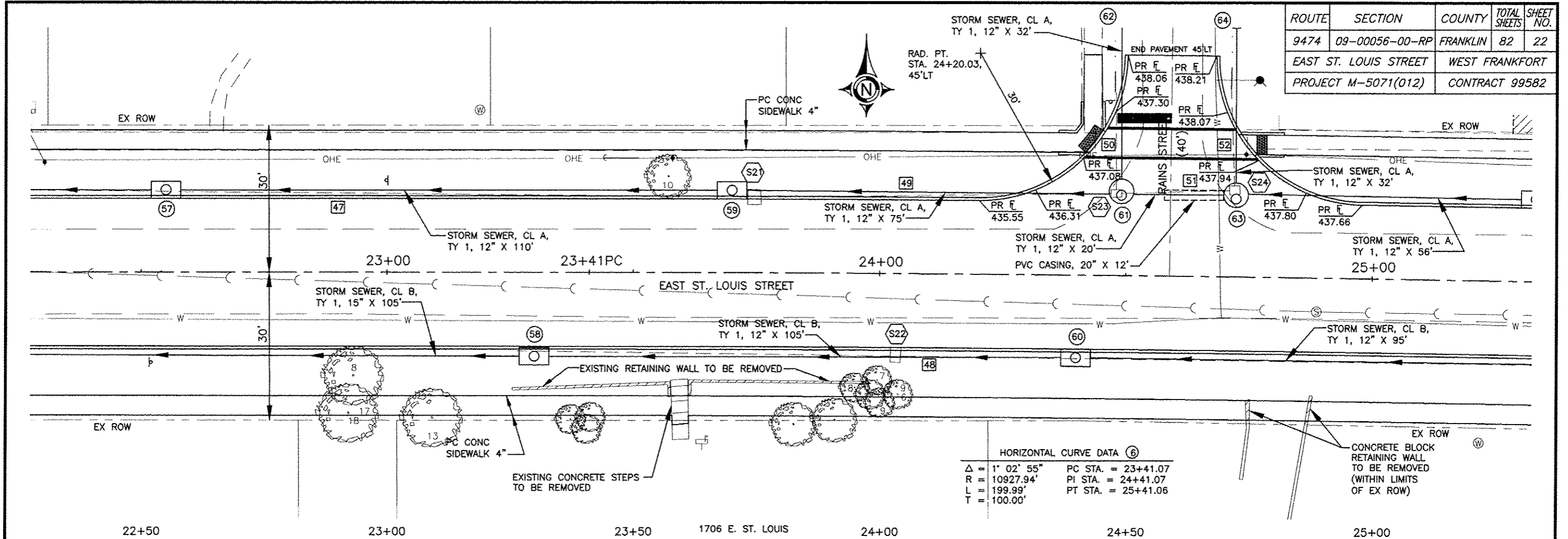
06 Jan 2017 - 3:28pm X:\2007\07018\AC\plans\07018 Plan Profiles.dwg: Layout Tab '17+50'

ROUTE	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
9474	09-00056-00-RP	FRANKLIN	82	21
EAST ST. LOUIS STREET		WEST FRANKFORT		
PROJECT M-5071(012)		CONTRACT 99582		



08 Jan 2017 - 3:26pm X:\2007\07018\AC\plans\07018 Plan Profiles.dwg: Layout Tab '20+00'

ROUTE	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
9474	09-00056-00-RP	FRANKLIN	82	22
EAST ST. LOUIS STREET		WEST FRANKFORT		
PROJECT M-5071(012)		CONTRACT 99582		

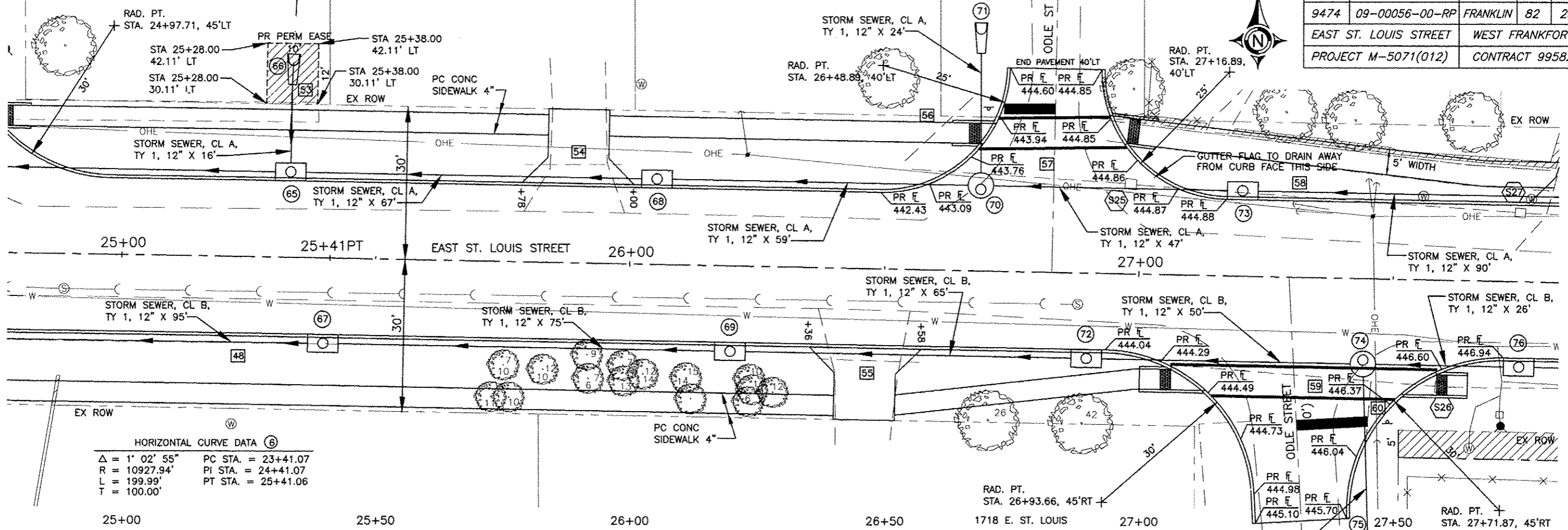


08 Jan 2017 - 3:28pm X:\2007\07018\plan\07018 Plan Profiles.dwg: Layout Tab '22+50'

302 N. RAINS

1801 E. ST. LOUIS

ROUTE	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
9474	09-00056-00-RP	FRANKLIN	82	23
EAST ST. LOUIS STREET		WEST FRANKFORT		
PROJECT M-5071(012)		CONTRACT 99582		

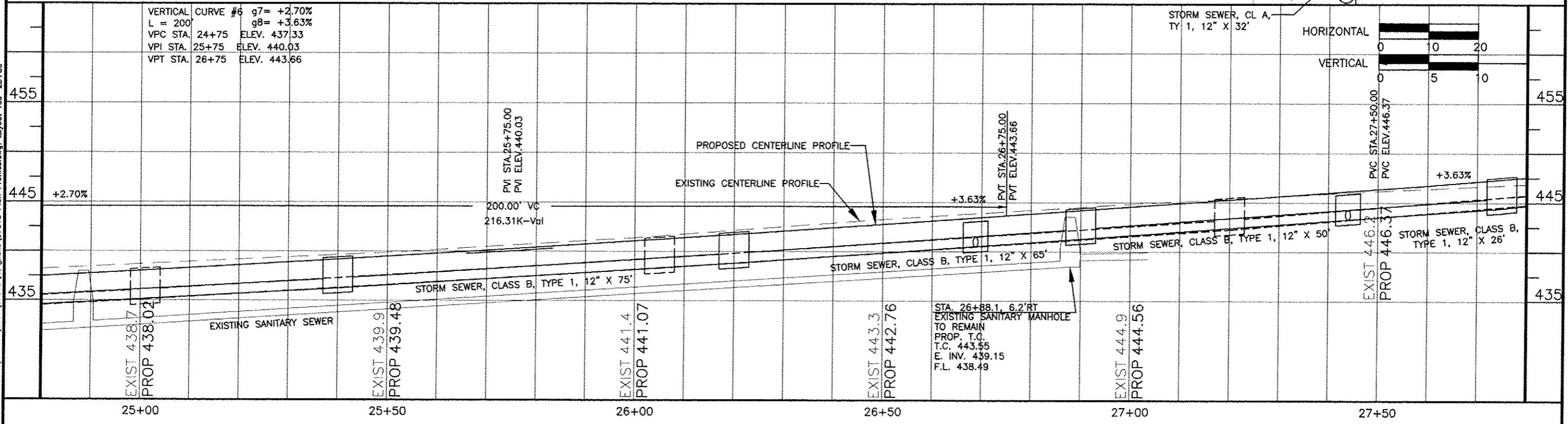


HORIZONTAL CURVE DATA (6)

$\Delta = 1^\circ 02' 55''$	PC STA. = 23+41.07
$R = 10927.94'$	PI STA. = 24+41.07
$L = 199.99'$	PT STA. = 25+41.06
$T = 100.00'$	

VERTICAL CURVE #6

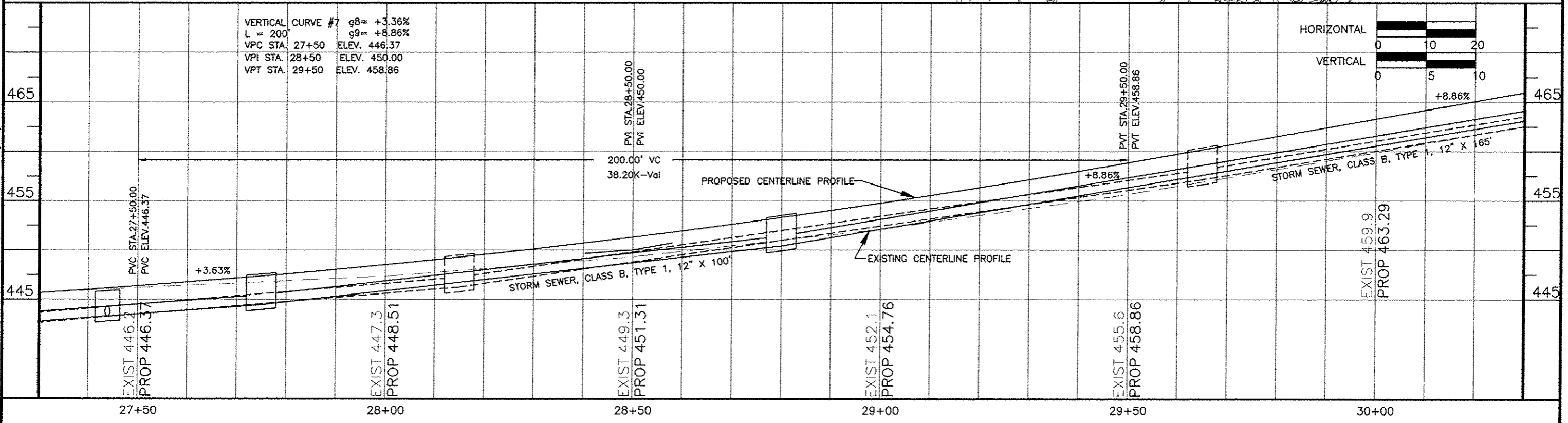
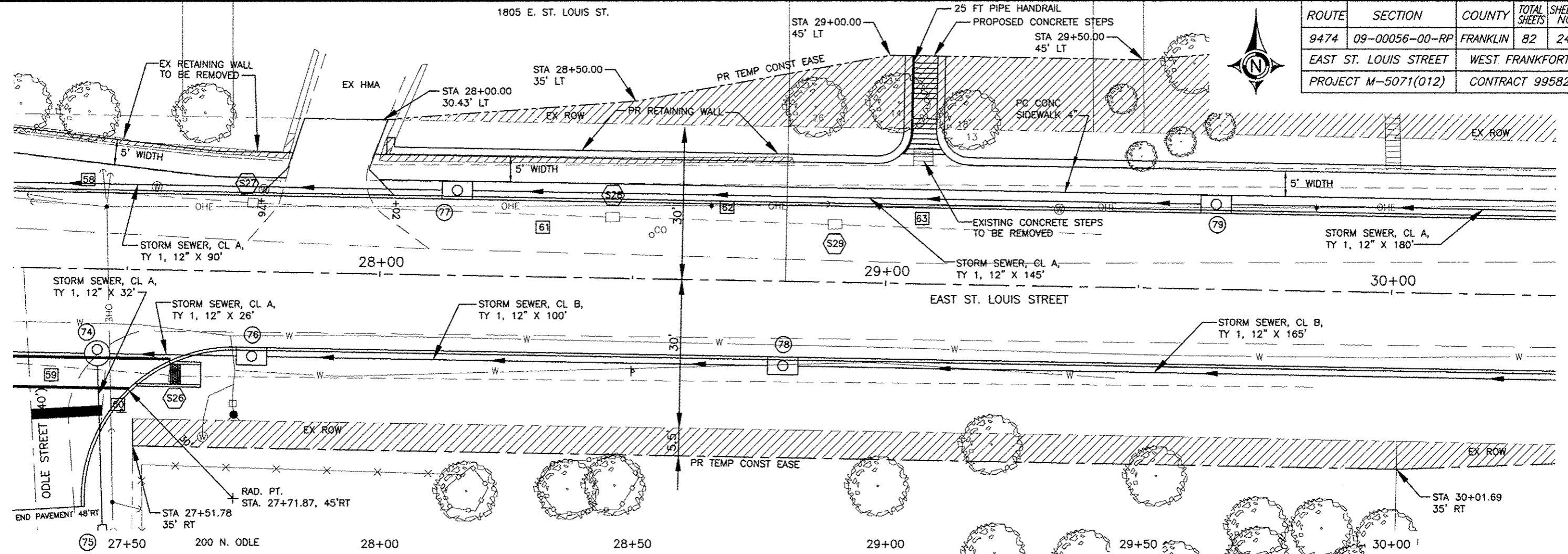
$g7 = +2.70\%$	$g8 = +3.63\%$
$L = 200'$	
VPC STA. 24+75	ELEV. 437.33
VPI STA. 25+75	ELEV. 440.03
VPT STA. 26+75	ELEV. 443.66



06 Jan 2017 - 3:26pm X:\2007\07018\AC\plans\07018 Plan Profiles.dwg: Layout Tab '25+00'

1805 E. ST. LOUIS ST.

ROUTE	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
9474	09-00056-00-RP	FRANKLIN	82	24
EAST ST. LOUIS STREET		WEST FRANKFORT		
PROJECT M-5071(012)		CONTRACT 99582		



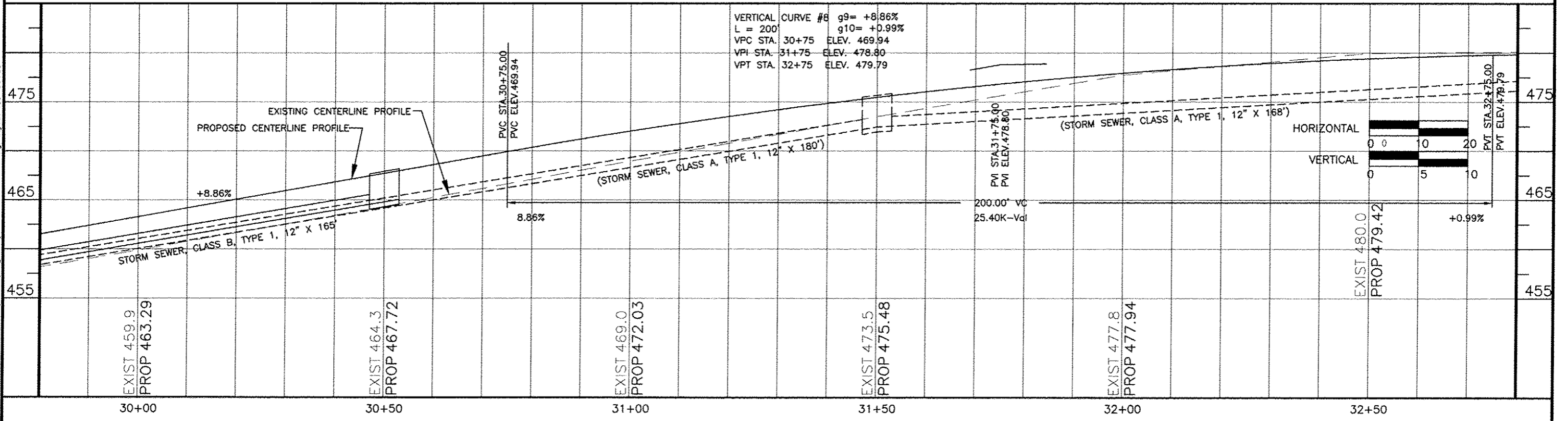
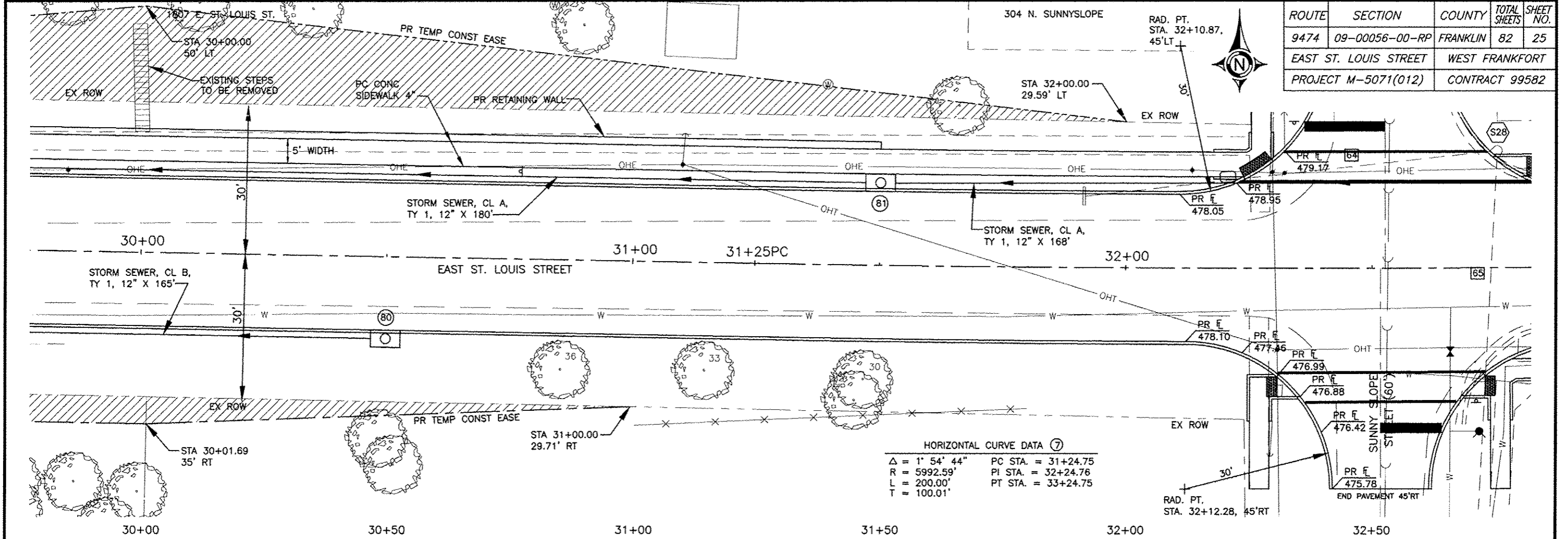
VERTICAL CURVE #7  
 $g_8 = +3.36\%$   
 $L = 200'$   
 VPC STA. 27+50 ELEV. 446.37  
 VPI STA. 28+50 ELEV. 450.00  
 VPT STA. 29+50 ELEV. 458.86



06 Jan 2017 3:27pm X:\2007\07018\MC\plans\07018 Plan Profiles.dwg: Layout Tab '27+50'

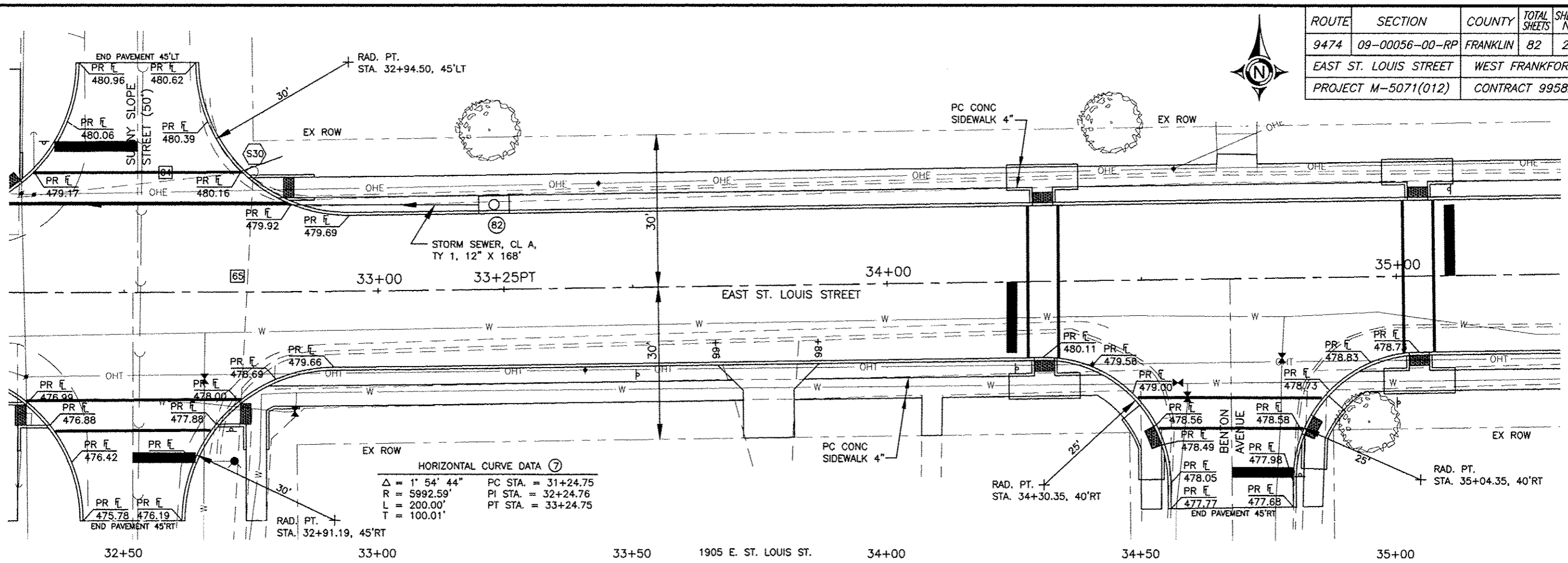


ROUTE	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
9474	09-00056-00-RP	FRANKLIN	82	25
EAST ST. LOUIS STREET		WEST FRANKFORT		
PROJECT M-5071(012)		CONTRACT 99582		



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ROUTE	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
9474	09-00056-00-RP	FRANKLIN	82	26
EAST ST. LOUIS STREET		WEST FRANKFORT		
PROJECT M-5071(012)		CONTRACT 99582		

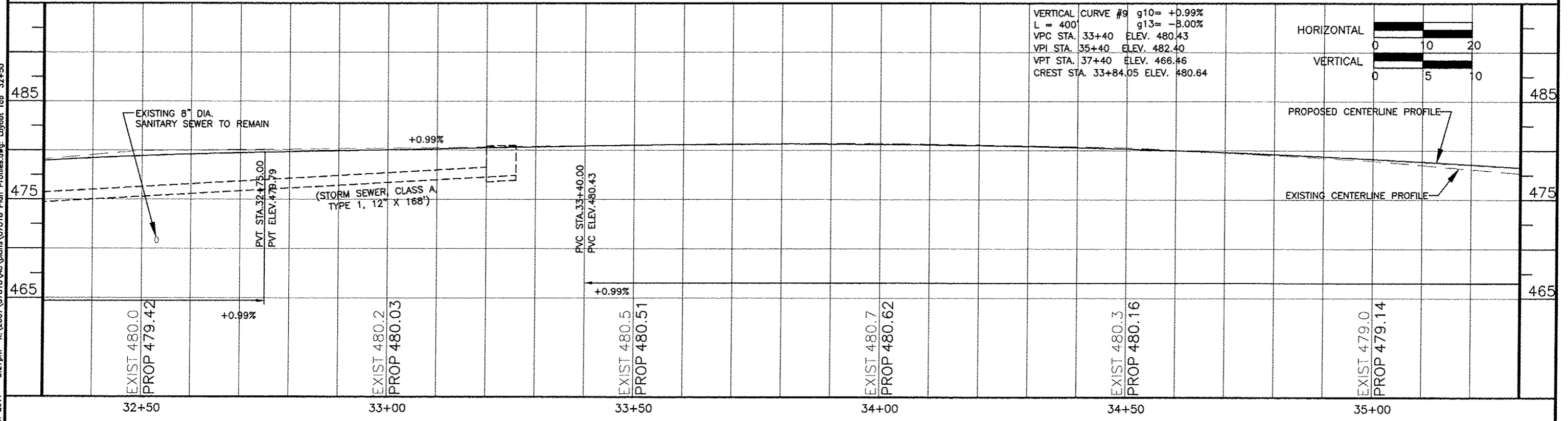
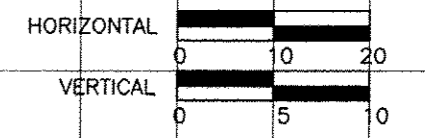


HORIZONTAL CURVE DATA ⑦

$\Delta = 1^\circ 54' 44''$	PC STA. = 31+24.75
$R = 5992.59'$	PI STA. = 32+24.76
$L = 200.00'$	PT STA. = 33+24.75
$T = 100.01'$	

VERTICAL CURVE #9

$g_{10} = +0.99\%$	
$L = 400'$	$g_{13} = -8.00\%$
VPC STA. 33+40	ELEV. 480.43
VPI STA. 35+40	ELEV. 482.40
VPT STA. 37+40	ELEV. 466.46
CREST STA. 33+84.05	ELEV. 480.64

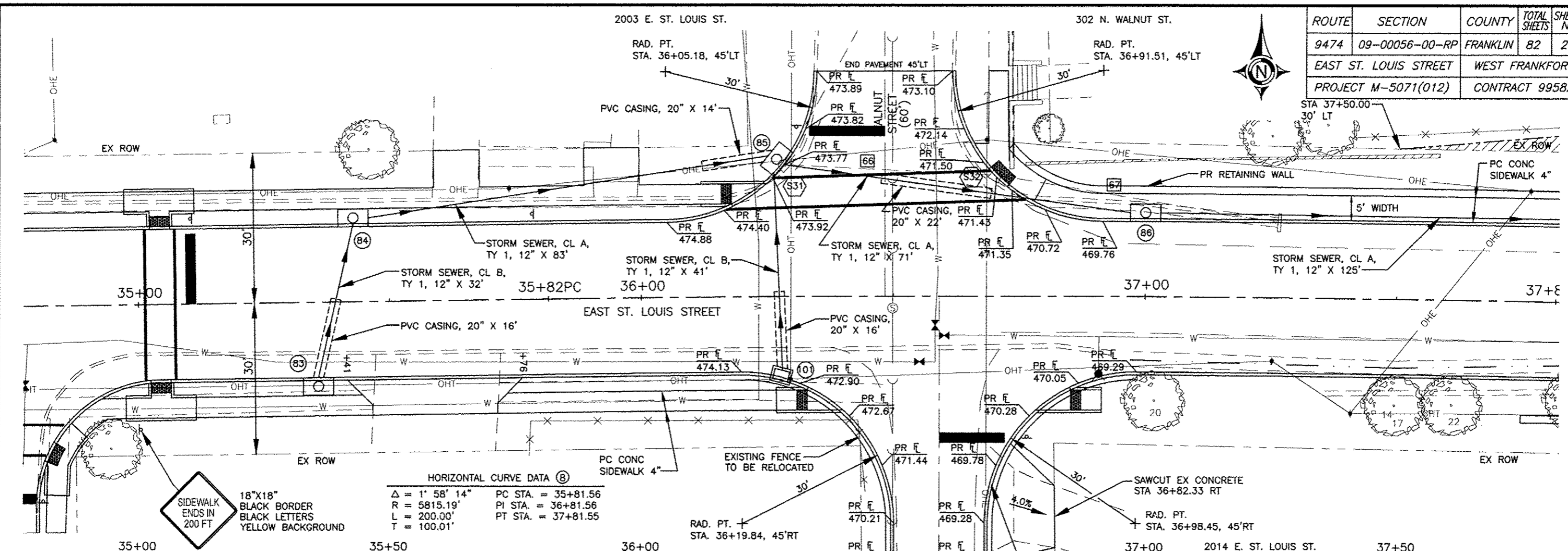


06 Jan 2017 - 3:27pm X:\2007\07018\AC\plans\07018 Plan Profiles.dwg - Layout Tab '32+50'

2003 E. ST. LOUIS ST.

302 N. WALNUT ST.

ROUTE	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
9474	09-00056-00-RP	FRANKLIN	82	27
EAST ST. LOUIS STREET		WEST FRANKFORT		
PROJECT M-5071(012)		CONTRACT 99582		



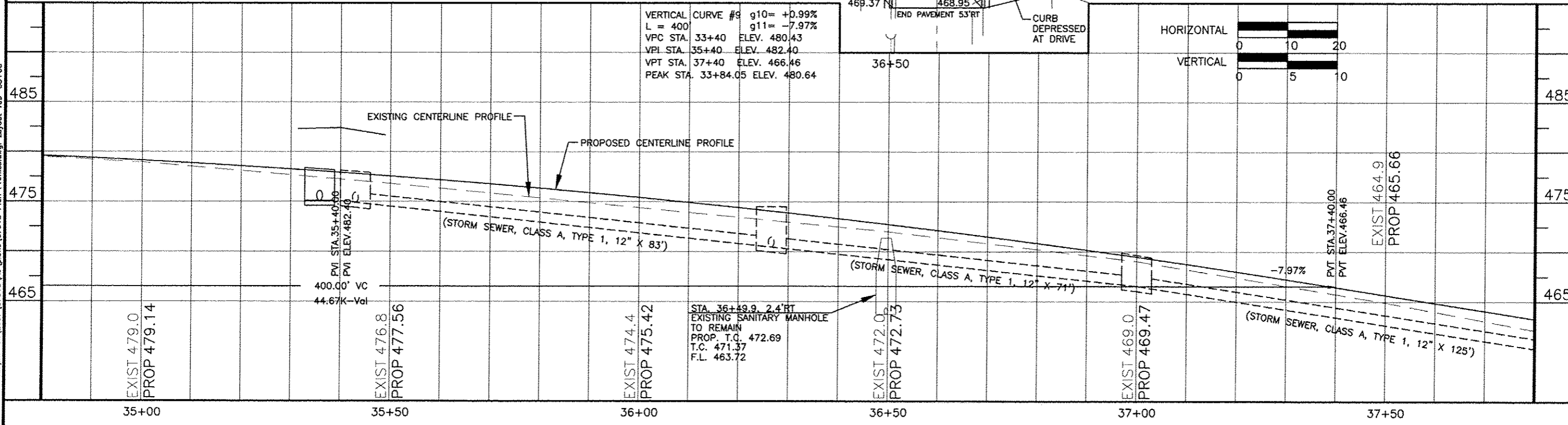
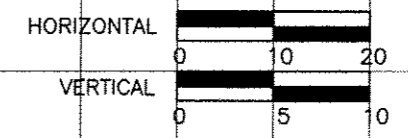
18"X18" BLACK BORDER  
BLACK LETTERS  
YELLOW BACKGROUND  
SIDEWALK ENDS IN 200 FT

HORIZONTAL CURVE DATA (B)

$\Delta = 1^\circ 58' 14"$	PC STA. = 35+81.56
$R = 5815.19'$	PI STA. = 36+81.56
$L = 200.00'$	PT STA. = 37+81.55
$T = 100.01'$	

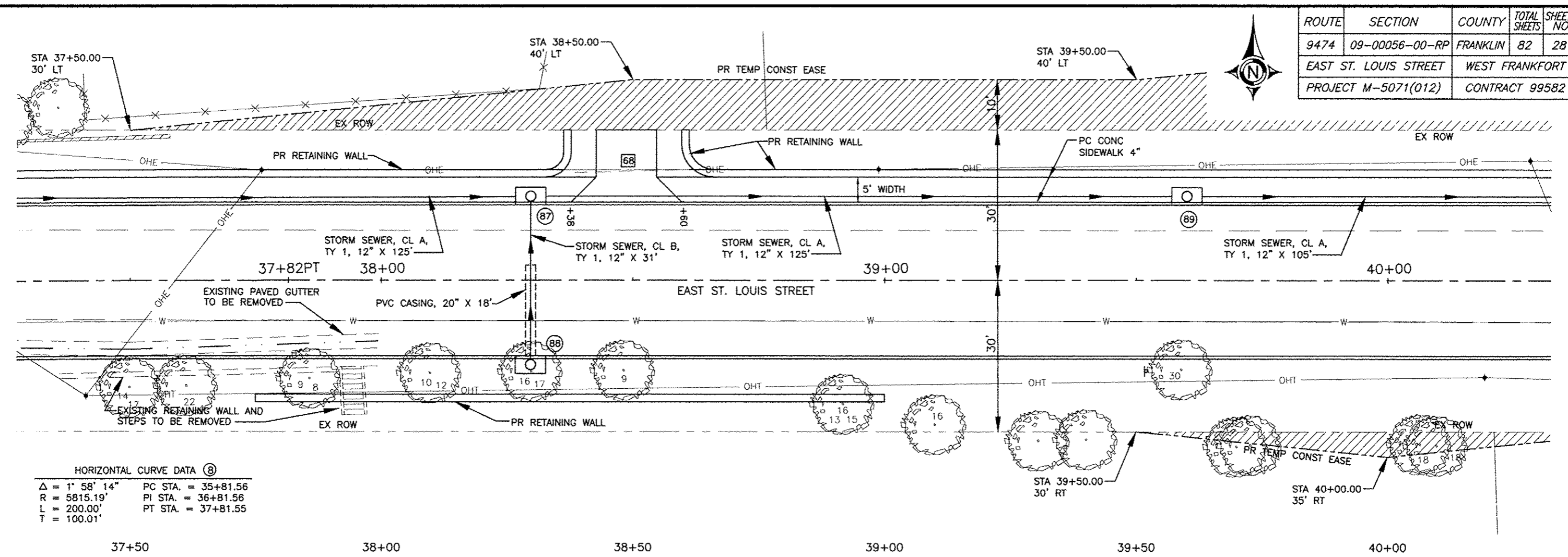
VERTICAL CURVE #9

$g_{10} = +0.99\%$	$g_{11} = -7.97\%$
$L = 400'$	
VPC STA. 33+40 ELEV. 480.43	
VPI STA. 35+40 ELEV. 482.40	
VPT STA. 37+40 ELEV. 466.46	
PEAK STA. 33+84.05 ELEV. 480.64	



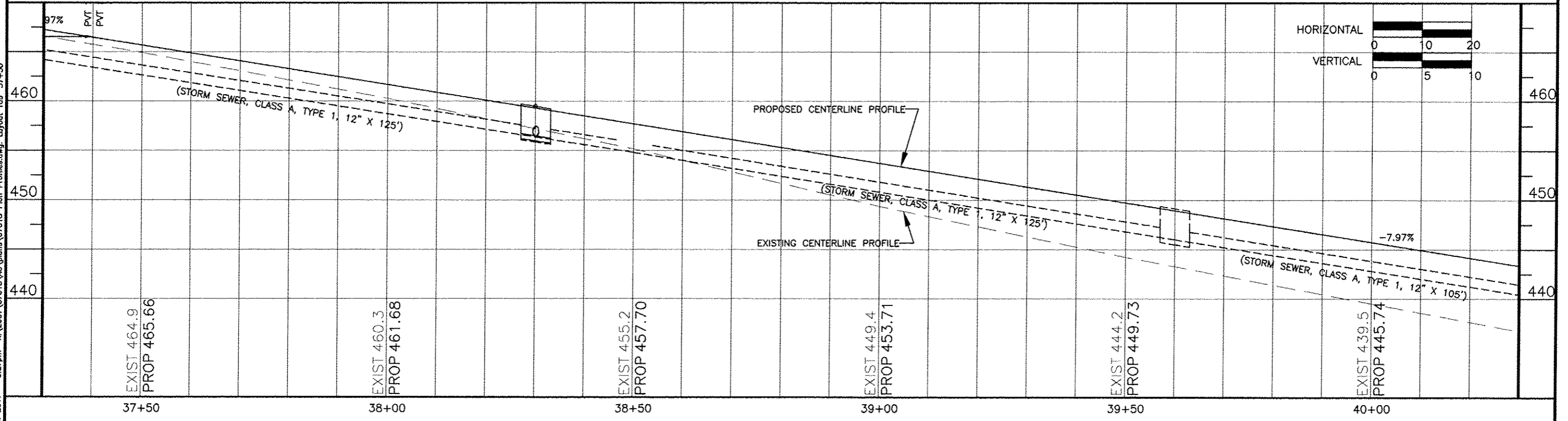
08 Jan 2017 - 3:27pm x:\2007\07018\AC\plans\07018 Plan Profiles.dwg: Layout Tab '35+00'

ROUTE	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
9474	09-00056-00-RP	FRANKLIN	82	28
EAST ST. LOUIS STREET		WEST FRANKFORT		
PROJECT M-5071(012)		CONTRACT 99582		



HORIZONTAL CURVE DATA ⑧

$\Delta = 1^\circ 58' 14''$	PC STA. = 35+81.56
$R = 5815.19'$	PI STA. = 36+81.56
$L = 200.00'$	PT STA. = 37+81.55
$T = 100.01'$	

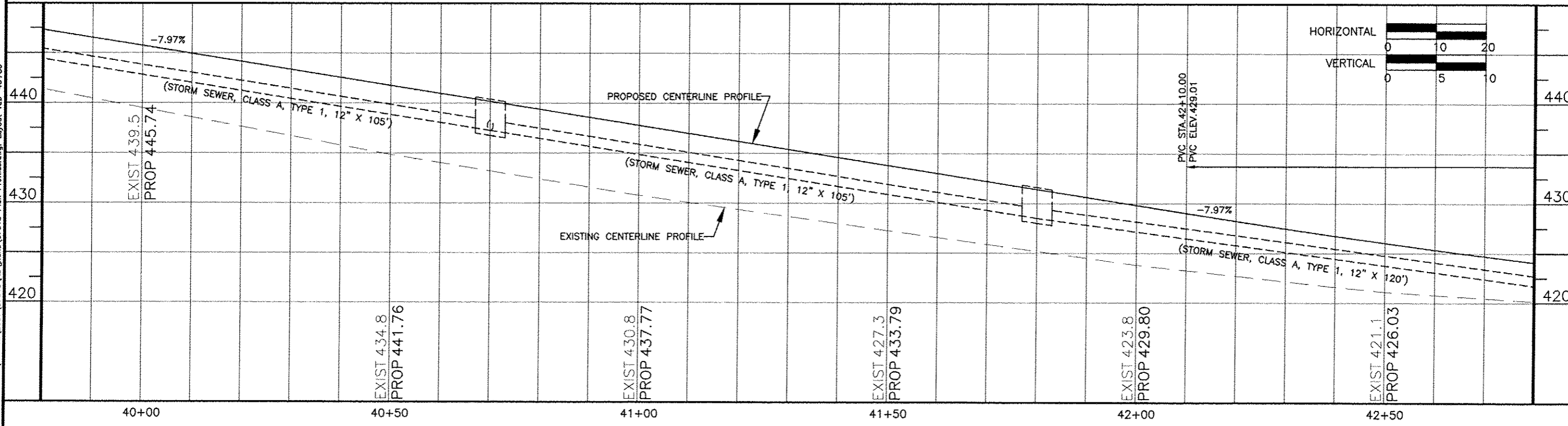
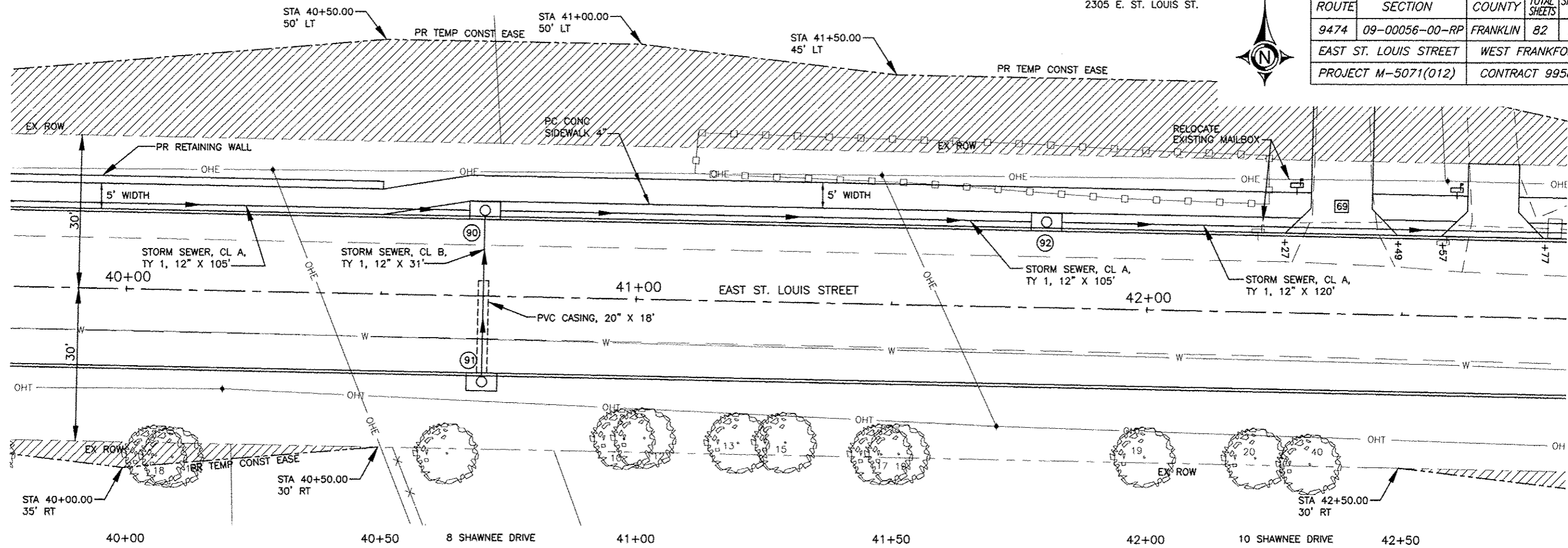


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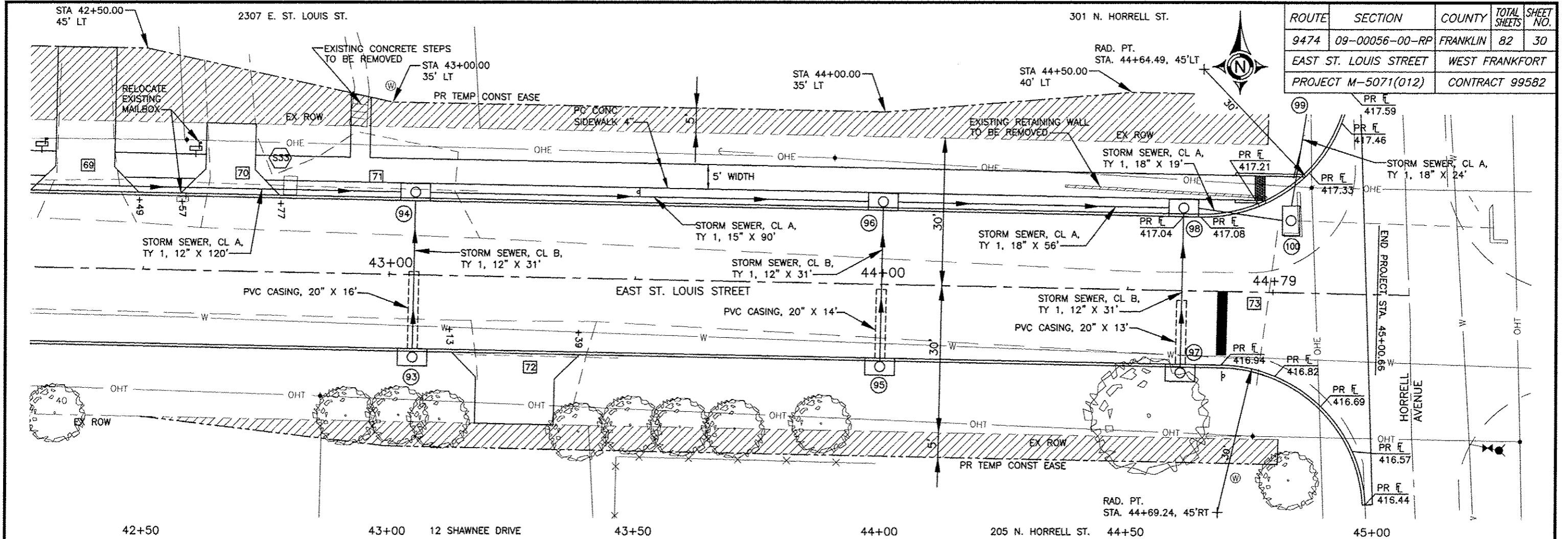
2305 E. ST. LOUIS ST.



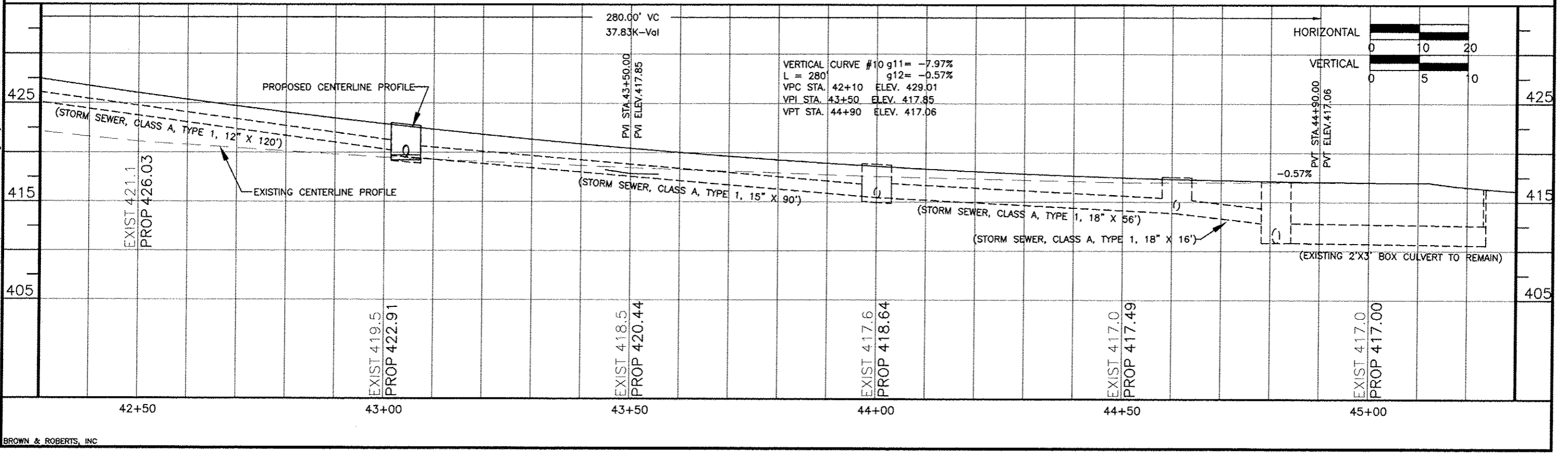
ROUTE	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
9474	09-00056-00-RP	FRANKLIN	82	29
EAST ST. LOUIS STREET		WEST FRANKFORT		
PROJECT M-5071(012)		CONTRACT 99582		



08 Jan 2017 - 3:27pm X:\2007\07018\AC\plans\07018 Plan Profiles.dwg: Layout Tab '40+00'

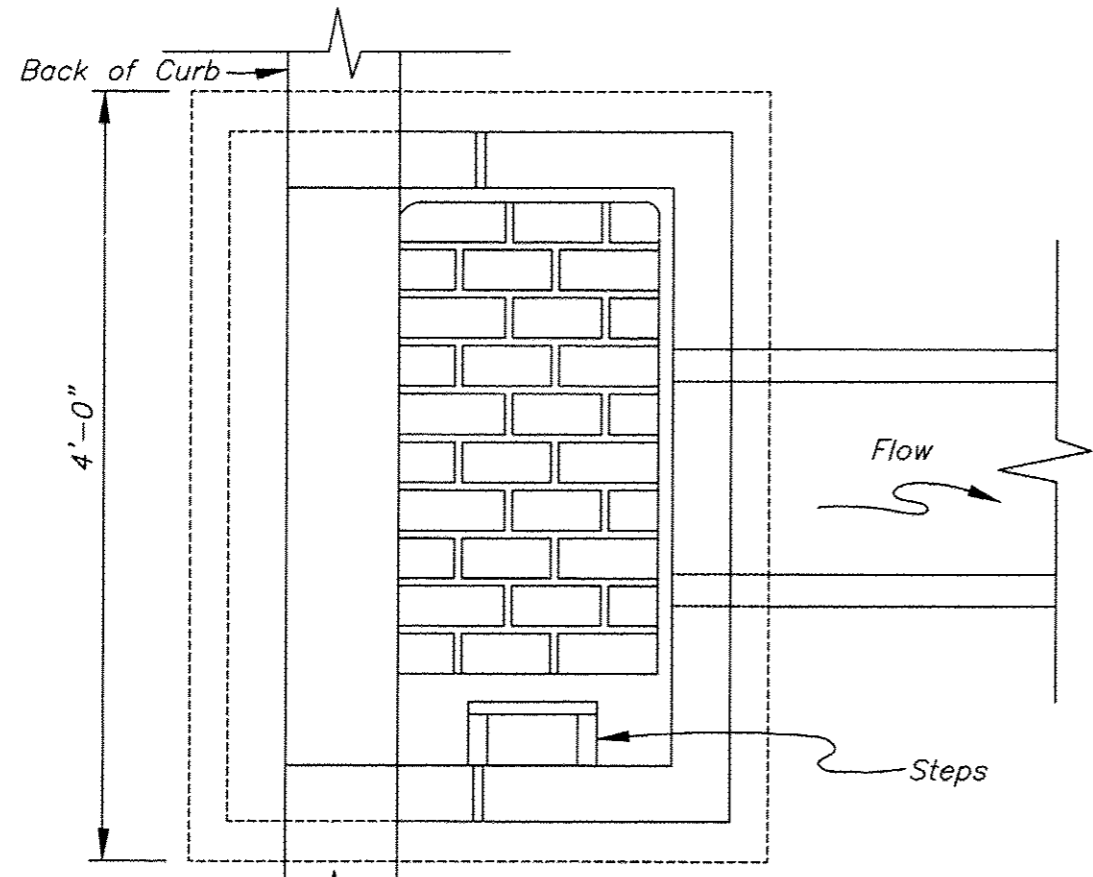


ROUTE	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
9474	09-00056-00-RP	FRANKLIN	82	30
EAST ST. LOUIS STREET		WEST FRANKFORT		
PROJECT M-5071(012)		CONTRACT 99582		

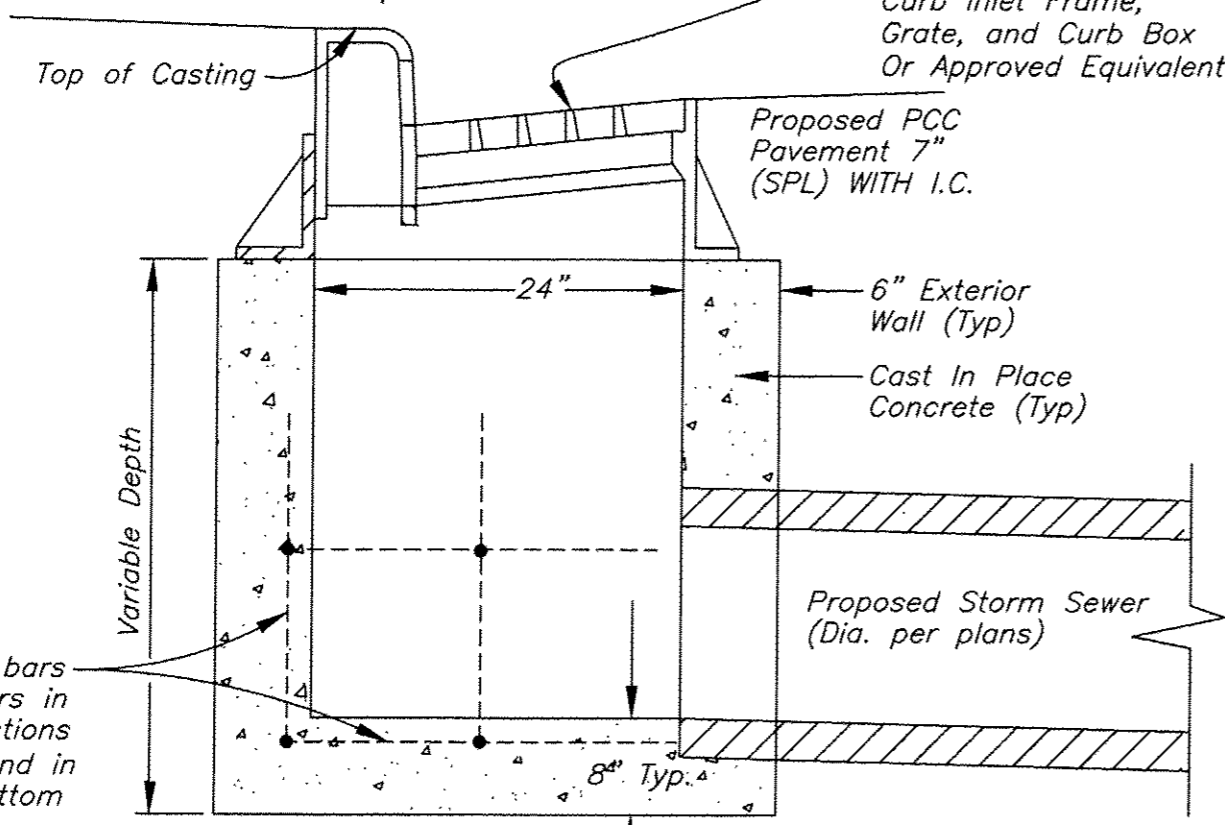


08 Jan 2017 3:28pm X:\2007\07018\AC\piana\07018 Plan Profiles.dwg: Layout Tab '42+50'  
 BROWN & ROBERTS, INC

ROUTE	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
FAU 9474	09-00056-00-RP	FRANKLIN	82	31
EAST ST. LOUIS STREET		WEST FRANKFORT		
PROJECT M-5071(012)		CONTRACT 99582		



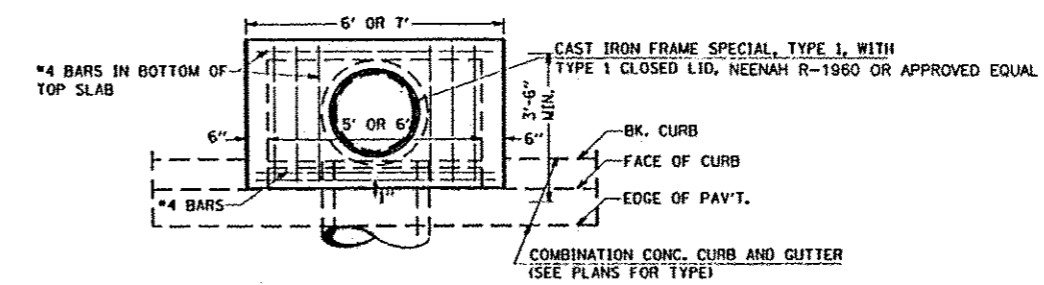
PLAN VIEW  
 Neenah R-3246-CL  
 Curb Inlet Frame,  
 Grate, and Curb Box  
 Or Approved Equivalent



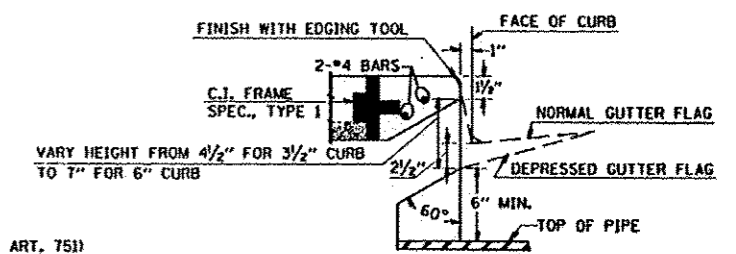
ELEVATION

DETAIL - INLETS, SPECIAL, NO. 2

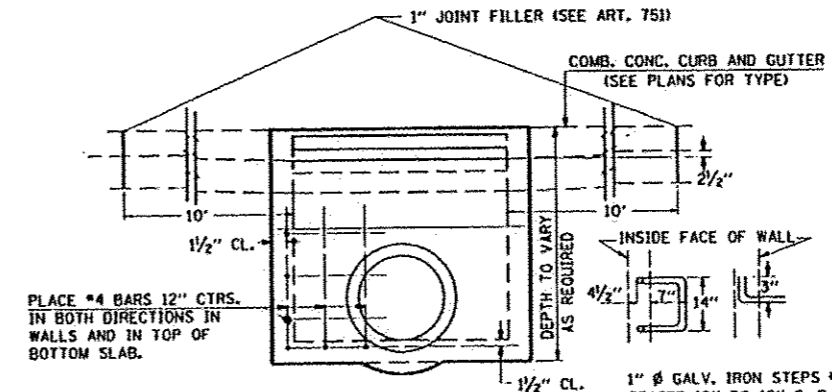
Place #4 bars  
 12" centers in  
 both directions  
 in walls and in  
 top of bottom  
 slab.



PLAN



DETAIL AT WEIR



ELEVATION

DESIGN	PIPE DIA.	"D"
A	18" ALESS	2'-6"
B	21" & 24"	3'-0"
C	27" & 30"	3'-7"
D	33" & 36"	4'-2"
E	42"	4'-9"
F	48"	5'-0"
G	54"	6'-1"

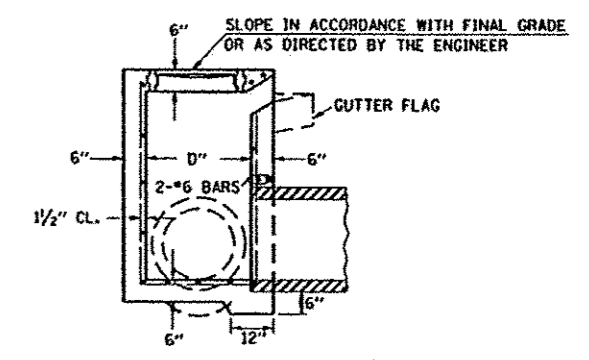
NOTES:

CLASS SI CONCRETE SHALL BE USED THROUGHOUT. SET FACE OF INLET 1" BEHIND FACE OF CURB. DEPRESS GUTTER FLOWLINE AT INLET 2 1/2" BELOW NORMAL GUTTER FLOWLINE. CONSTRUCT TRANSITION IN FLOWLINE IN 10 FEET EACH SIDE OF INLET. PIPES TO BE CONNECTED TO INLET AS SHOWN ON STORM SEWER LAYOUT.

INLETS WILL BE PAID FOR AT THE CONTRACT UNIT PRICE EACH FOR INLET, SPECIAL, TYPE 3, 5 FEET OR INLET, SPECIAL, TYPE 3, 6 FEET WHICH PRICE SHALL INCLUDE THE CAST IRON FRAME, SPECIAL, TYPE 1 WITH TYPE 1 CLOSED LID, THE REINFORCEMENT BARS, METAL STEPS AND JOINT FILLER.

\*\*THE GALV. IRON STEPS AS DETAILED HEREON ARE TYPICAL. STEPS OF OTHER DESIGN AND MATERIAL THAT WILL CONFORM TO THE MINIMUM REQUIREMENTS OF THE STEPS SHOWN, MAY BE USED WHEN APPROVED BY THE ENGINEER.

INLETS MAY BE PRECAST WHEN APPROVED BY THE ENGINEER.



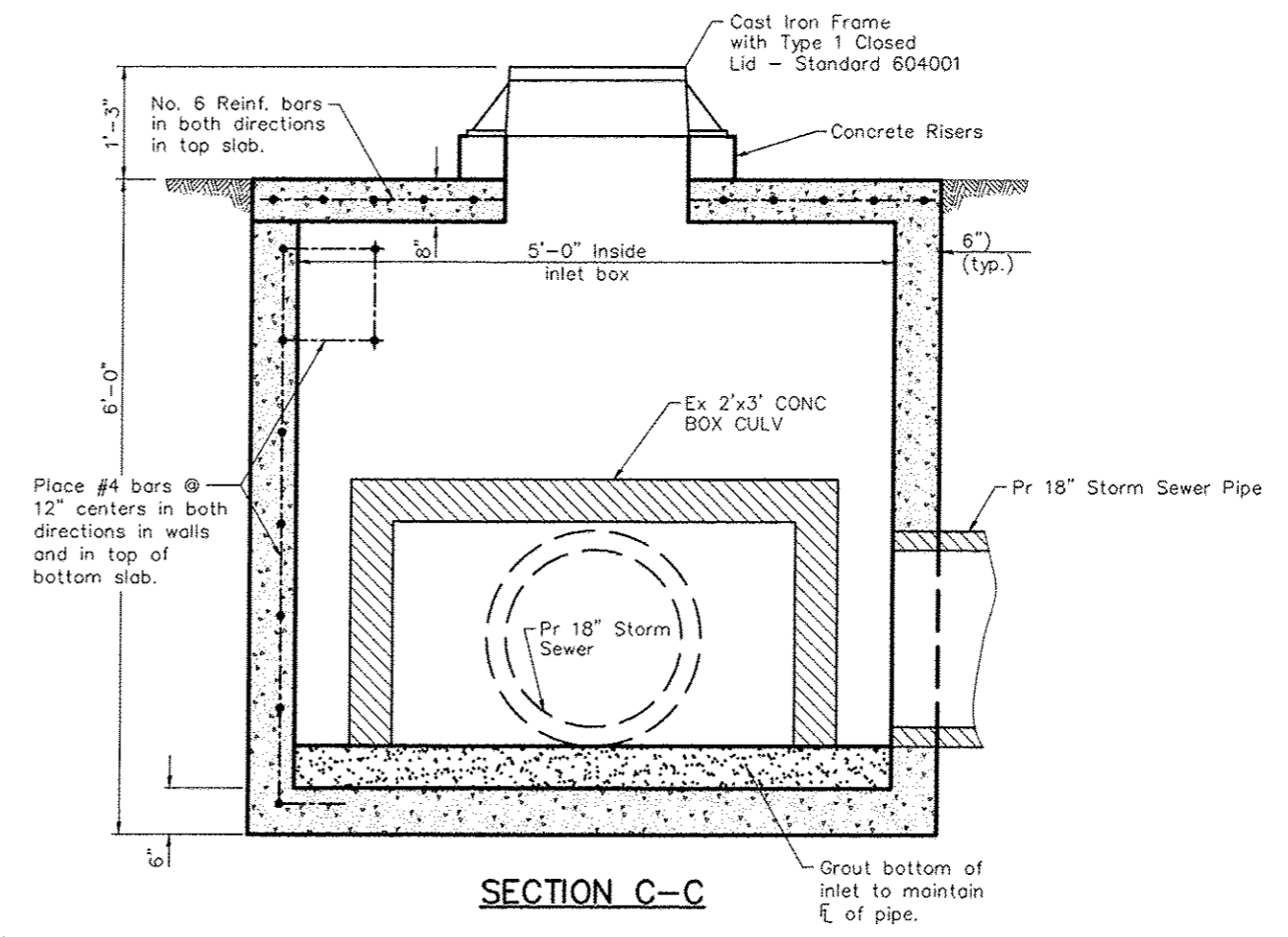
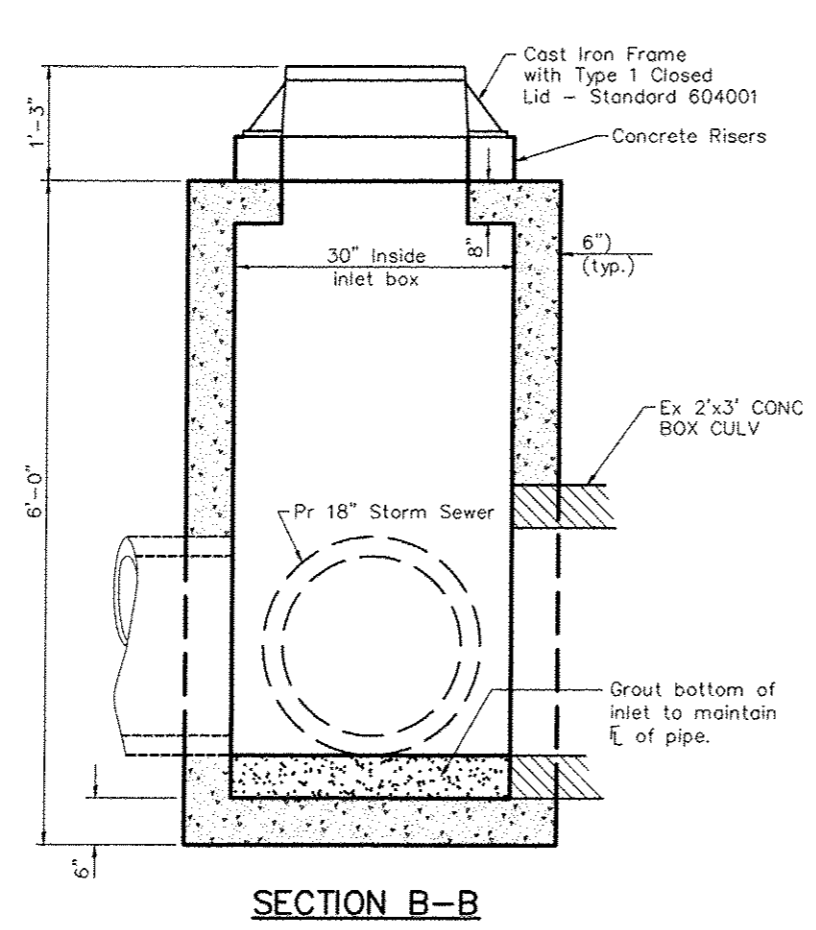
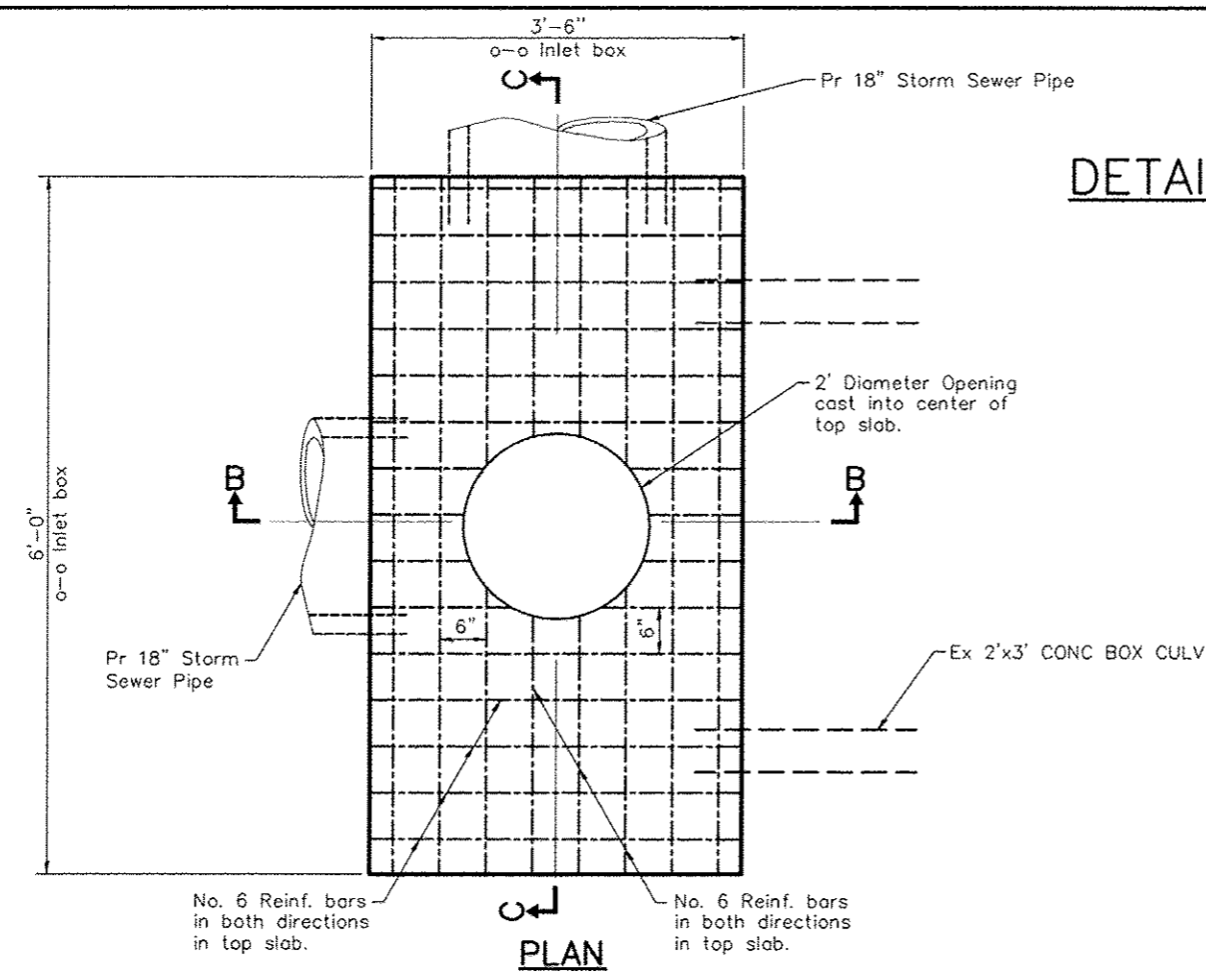
SECTION

DETAIL - INLETS, SPECIAL, NO. 1

06 Jan 2017 - 3:31pm x:\2007\07018\AC\plans\drainage structure details.dwg

ROUTE	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
9474	09-00056-00-RP	FRANKLIN	82	32
EAST ST. LOUIS STREET		WEST FRANKFORT		
PROJECT M-5071(012)		CONTRACT 99582		

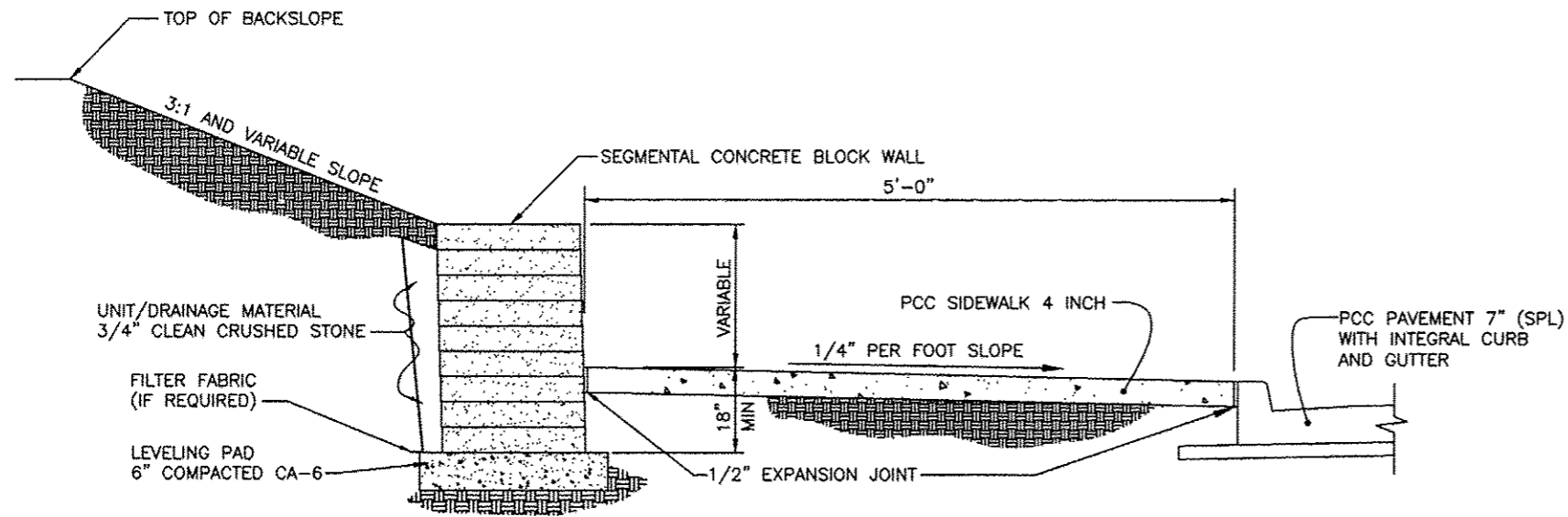
## DETAIL - JUNCTION BOX (SPECIAL)



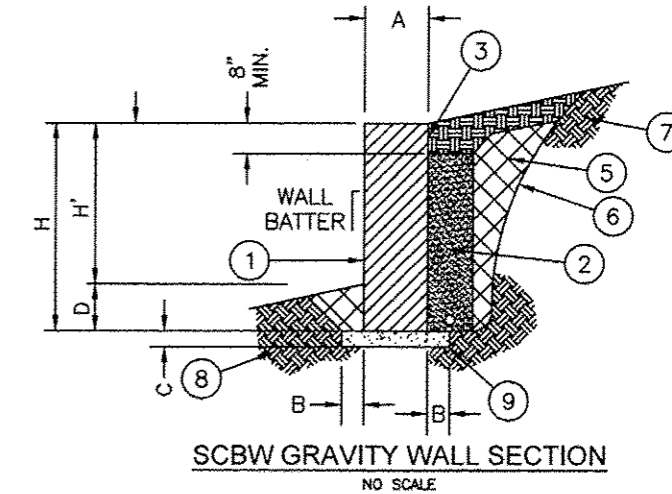
06 Jan 2017 - 3:23pm X:\2007\07018\AC\plans\07018 Junction Box.dwg



ROUTE	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
9474	09-00056-00-RP	FRANKLIN	82	33
EAST ST. LOUIS STREET		WEST FRANKFORT		
PROJECT M-5071(012)		CONTRACT 99582		

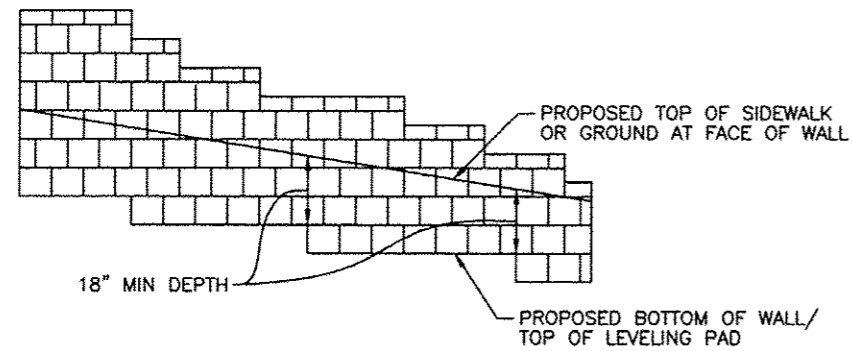


TYPICAL SECTION - PC CONCRETE SIDEWALK  
NO SCALE

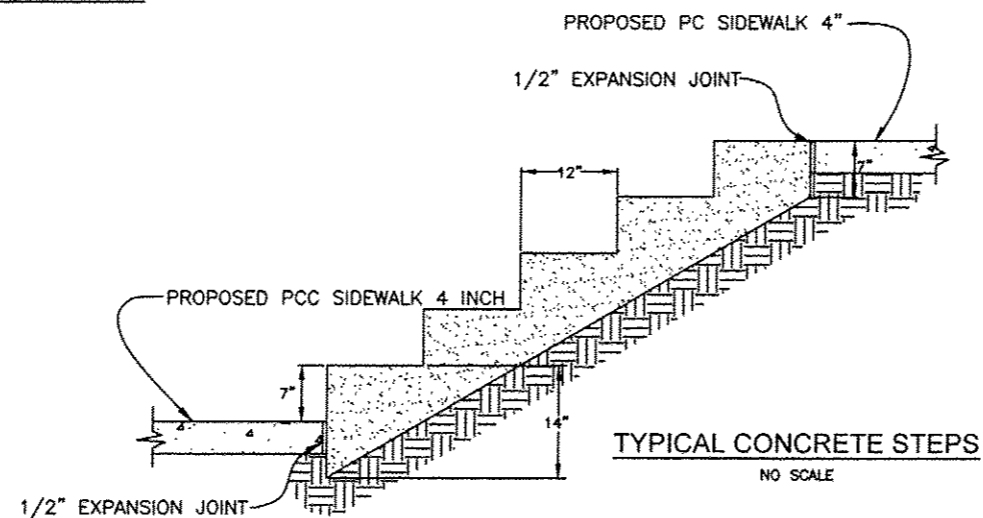


SCBW GRAVITY WALL SECTION  
NO SCALE

SCB WALL SECTION DIMENSIONS	
A	12" MINIMUM, GREATER IF REQUIRED BY THE RETAINING WALL ENGINEER
B	6" MINIMUM, GREATER IF REQUIRED BY THE RETAINING WALL ENGINEER
C	6" MINIMUM, GREATER IF REQUIRED BY THE RETAINING WALL ENGINEER
D	WHICHEVER IS GREATER: 18" OR THAT SPECIFIED BY THE RETAINING WALL ENGINEER
WALL BATTER	AS REQUIRED BY THE RETAINING WALL ENGINEER



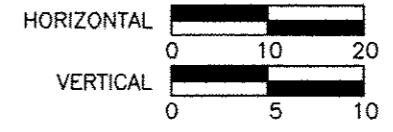
TYPICAL PROFILE - SEGMENTAL CONCRETE BLOCK WALL  
NO SCALE



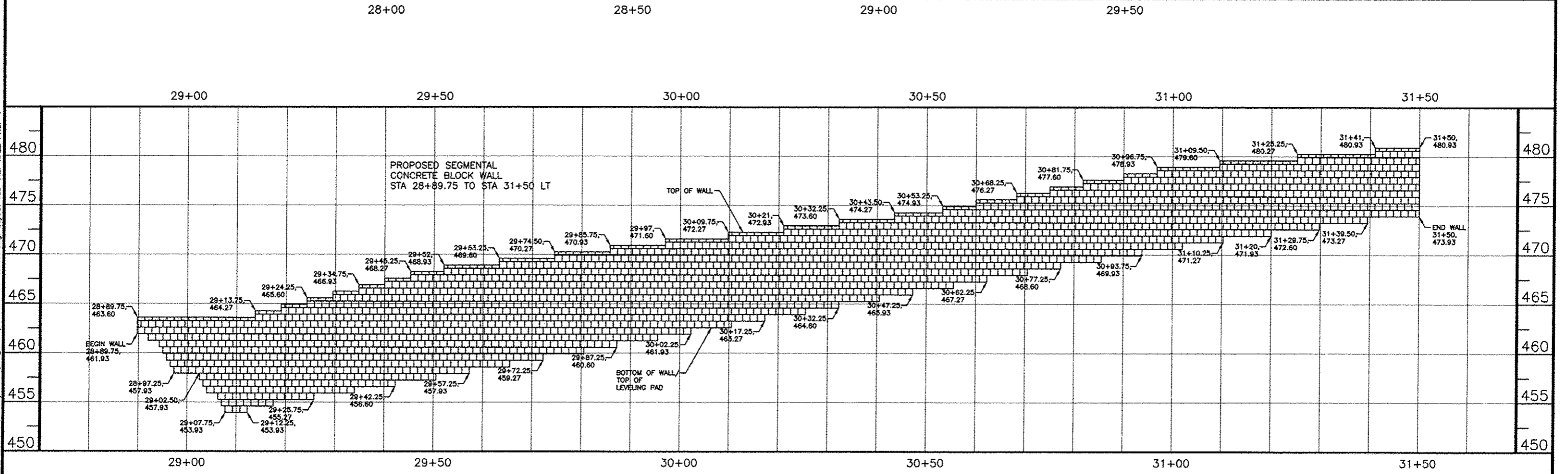
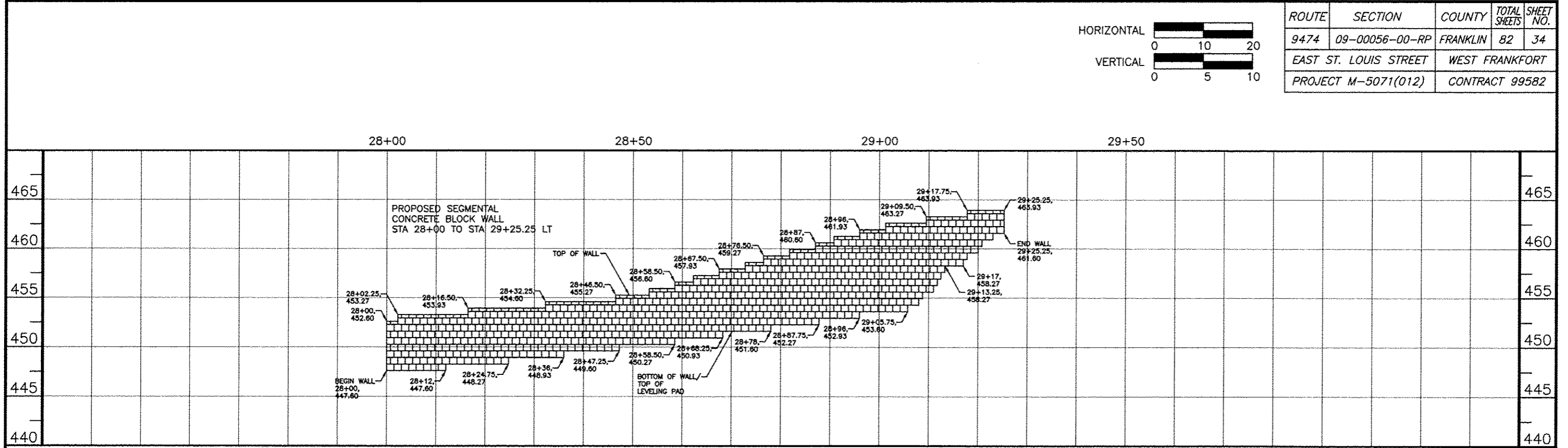
TYPICAL CONCRETE STEPS  
NO SCALE

WALL SECTION NOTES:

- ① CONCRETE SRW UNITS.
- ② SCBW UNIT DRAINAGE SYSTEM SHALL CONSIST OF DRAINAGE FILL ENTIRELY WRAPPED IN FILTER FABRIC AND A 4" PERFORATED PIPE AS SHOWN.
- ③ LAP FILTER FABRIC FIRMLY AGAINST SRW UNITS AND 6" ABOVE THE DRAINAGE FILL.
- ④ THE DRAINAGE DETAILS ARE MINIMUM REQUIREMENTS. THE RETAINING WALL ENGINEER SHALL APPROVE THE USE OF THESE MINIMUMS, OR SHALL SPECIFY DRAINAGE OF GREATER EXTENT AND CAPACITY, OR SPECIFY ITEMS IN ADDITION TO THE MINIMUMS SUCH AS DRAINAGE GEO. COMPOSITES BEHIND THE REINFORCED BACKFILL. MSE WALL DRAINAGE ALTERNATIVES MAY BE OMITTED FROM MSE WALLS WHEN THE REINFORCED BACKFILL IS DRAINAGE FILL, IS ENTIRELY WRAPPED IN FILTER FABRIC, AND CONTAINS A 4" PERFORATED DRAIN PIPE.
- ⑤ COMPACTED EMBANKMENT, WHERE SPECIFIED BY THE RETAINING WALL ENGINEER.
- ⑥ EXCAVATION LIMITS.
- ⑦ EXISTING EMBANKMENT.
- ⑧ FOUNDATION SOIL.
- ⑨ LEVELING PAD.
- ⑩ ALL VOIDS IN OR BETWEEN SCBW UNITS SHALL BE FILLED WITH DRAINAGE BACKFILL MATERIAL.
- ⑪ DRAIN PIPES SHALL BE SLOPED 1/8" PER FOOT MINIMUM AND SHALL BE DISCHARGED EVERY 100 FEET MAXIMUM AT LOW POINTS ALONG THE TOE OF THE WALL.

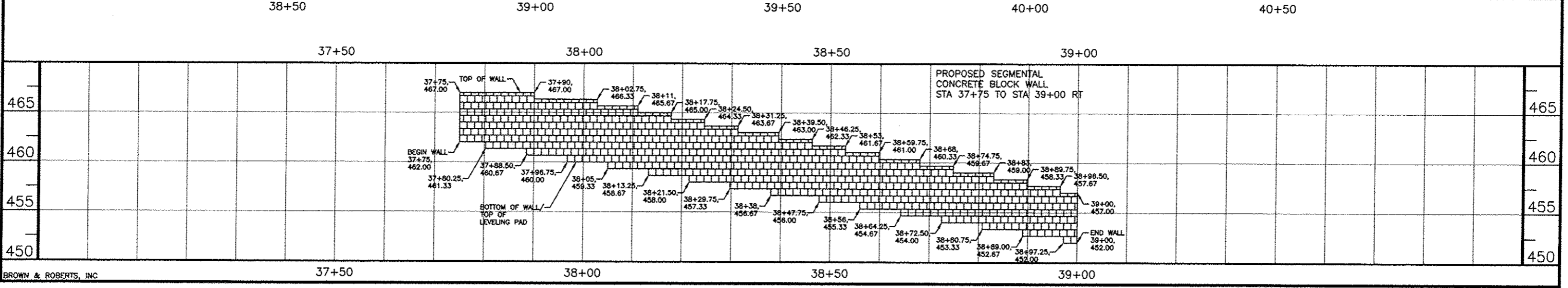
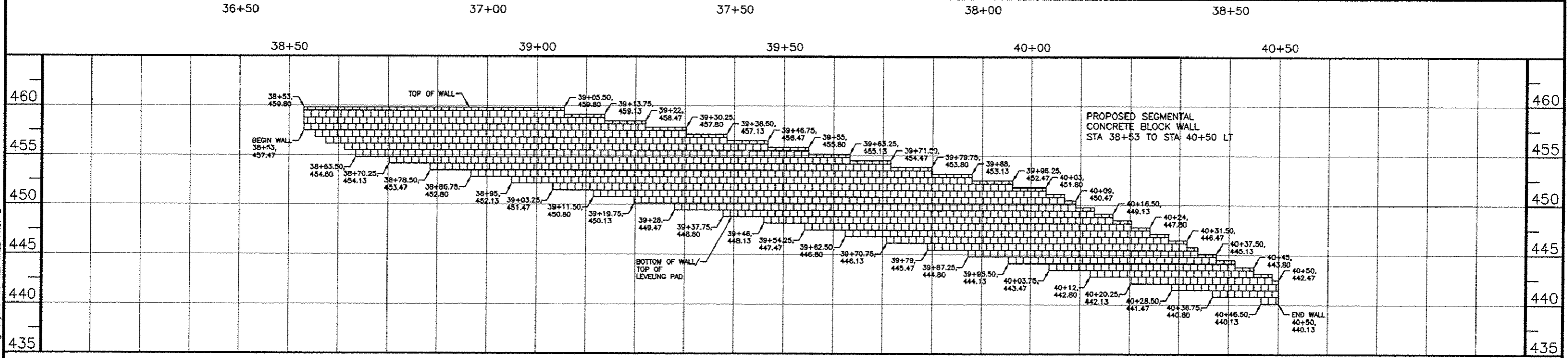
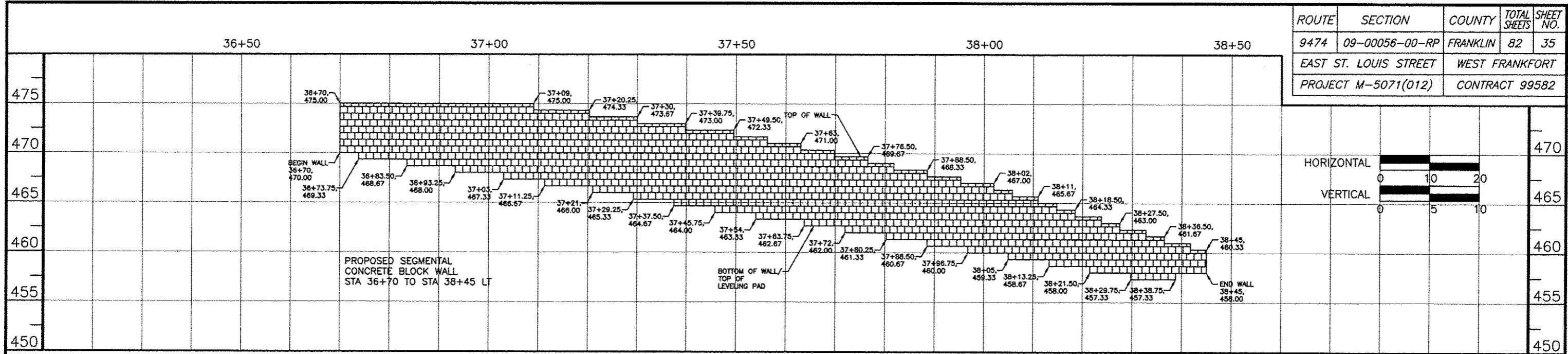


ROUTE	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
9474	09-00056-00-RP	FRANKLIN	82	34
EAST ST. LOUIS STREET		WEST FRANKFORT		
PROJECT M-5071(012)		CONTRACT 99582		



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ROUTE	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
9474	09-00056-00-RP	FRANKLIN	82	35
EAST ST. LOUIS STREET		WEST FRANKFORT		
PROJECT M-5071(012)		CONTRACT 99582		



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## STORM WATER POLLUTION PREVENTION PLAN

The following Plan is established and incorporated in the project to direct the Contractor in the placement of temporary erosion control systems and to provide a storm water pollution prevention plan for compliance under NPDES.

The purpose of this plan is to minimize erosion within the construction site and to limit sediments leaving the construction site by utilizing proper temporary erosion control systems and providing ground cover within a reasonable amount of time.

Certain erosion control facilities shall be installed by the Contractor at the beginning of construction. Other items shall be installed as directed by the Engineer on a case by case situation depending on the Contractor's sequence of activities, time of year and expected weather conditions.

The Contractor shall construct permanent erosion control systems and seeding within a time frame specified herein and as directed by the Engineer, therefore minimizing the amount of area susceptible to erosion and reducing the amount of temporary seeding. The engineer will determine if any temporary erosion control systems shown in the plans can be deleted and if any additional temporary erosion control systems, which are not included in the plans, shall be added. The contractor shall perform all work as directed by the Engineer and as shown in STANDARD 280001.

Section 280, Temporary Erosion Control, of the Standard Specifications additionally supplements this plan.

### INTENDED SEQUENCE OF MAJOR CONSTRUCTION ACTIVITIES

1. Isolated tree removal. Trees to remain will be protected against damage.
2. Watermain, Sanitary Sewers, Storm Sewers, and Drainage Structures.
3. Excavation and grading.
4. Placement of Aggregate Base Course.
5. Placement of PCC Pavement.
6. Seeding and permanent erosion control systems.

### AREA OF CONSTRUCTION SITE

1. The total area of the construction site is estimated to be 6.5 Acres of which approximately 6.5 Acres will be disturbed.

### OTHER REPORTS, STUDIES AND PLANS WHICH AID IN THE DEVELOPMENT OF THE SWPPP AS REFERENCED DOCUMENTS.

1. Information of the terrain was obtained from topographic maps.
2. Project plan documents, specifications and special provisions and plan drawings indicating the drainage patterns and location of existing drainage features were utilized in the preparation of the proposed placement of temporary erosion control systems.

### DRAINAGE TRIBUTARIES AND SENSITIVE AREAS RECEIVING RUNOFF

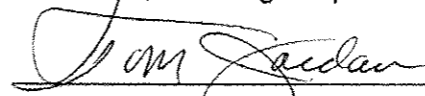
1. Proposed storm sewers are tributary to existing storm sewers. No new discharge points will be constructed.

### CONTROLS - EROSION CONTROLS AND SEDIMENT CONTROLS

1. Existing vegetation will be preserved where attainable and disturbed portions of the site will be stabilized. Stabilization practices will include temporary seeding, permanent seeding, mulching, protection of trees, preservation of mature vegetation and other appropriate measures as directed by the Engineer. Stabilization measures shall be initiated as soon as practical in those areas of the site where construction activities have ceased, but in no case more than 7 days after the construction activity for an area has temporarily or permanently ceased.
2. Areas outside the construction limits shall be protected from construction activities.
3. Dead, diseased or unsuitable vegetation within the site shall be removed as directed by the Engineer.
4. As soon as is reasonable, the temporary erosion control system shall be installed as indicated in the plans or as directed by the engineer.

This plan has been prepared with the intent to comply with the provisions of the NPDES Permit Number ILR10, issued by the Illinois Environmental Protection Agency for storm water discharges from construction site activities.

I certify under penalty of law that this plan was prepared at my direction in accordance with a system that qualified personnel properly gathered and evaluated the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment.

  
Tom Jordan, Mayor

1/10/17

Date

ROUTE	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
9474	09-00056-00-RP	FRANKLIN	82	36
EAST ST. LOUIS STREET		WEST FRANKFORT		
PROJECT M-5071(012)		CONTRACT 99582		

DESCRIPTION OF STABILIZATION PRACTICES  
DURING CONSTRUCTION

1. During construction, areas outside the construction limits shall be protected.
2. Within the construction limits, areas which may be susceptible to erosion as determined by the Engineer shall remain undisturbed until full scale construction is underway.
3. Earth stockpiles shall be temporary seeded if they are to remain unused for more than 14 days.
4. As soon as construction proceeds, the contractor shall institute the following as directed by the Engineer:
  - A) Place temporary erosion control facilities at locations shown in the plans.
  - B) Temporarily seed erodable bare earth on a weekly basis to minimize the amount of erodable surface area within the contract limits.
  - C) Provide temporary erosion control systems.
  - D) Temporarily divert water around proposed culvert locations.
5. Excavated areas shall be permanently seeded immediately after final grading. If not, they shall be temporarily seeded if no construction in the area is planned for 7 days.
6. All necessary measures shall be taken by the contractor to contain any fuel or pollutant in accordance with EPA water quality regulations. Leaking equipment or supplies shall be immediately repaired or removed from the site.
7. The Resident Engineer shall inspect the project daily during construction activities. Inspection shall also be done weekly and after rains of 0.5 inches or greater or equivalent snowfall and during any winter shutdown period.
8. Sediment collected during the construction by the various temporary erosion control systems shall be disposed of on site on a regular basis as directed by the Resident Engineer. The cost of this maintenance shall be considered incidental to the erosion control system.
9. The temporary erosion control systems shall be removed as directed by the Engineer after use is no longer needed or no longer functioning. The cost of removal shall be included in the unit bid price for various temporary erosion control pay items.

DESCRIPTION OF STRUCTURAL PRACTICES  
AFTER FINAL GRADING

1. Temporary seeding shall be left in place with proper maintenance until permanent erosion control and all proposed turf areas seeded and established.
2. Once permanent erosion control systems as proposed in the plans are functional and established, temporary items shall be removed, cleaned up and disturbed turf areas reseeded.

MAINTENANCE AFTER CONSTRUCTION

1. Construction is complete after FINAL acceptance by I.D.O.T. final inspection. Maintenance up to this date will be by the contractor.

MISCELLANEOUS

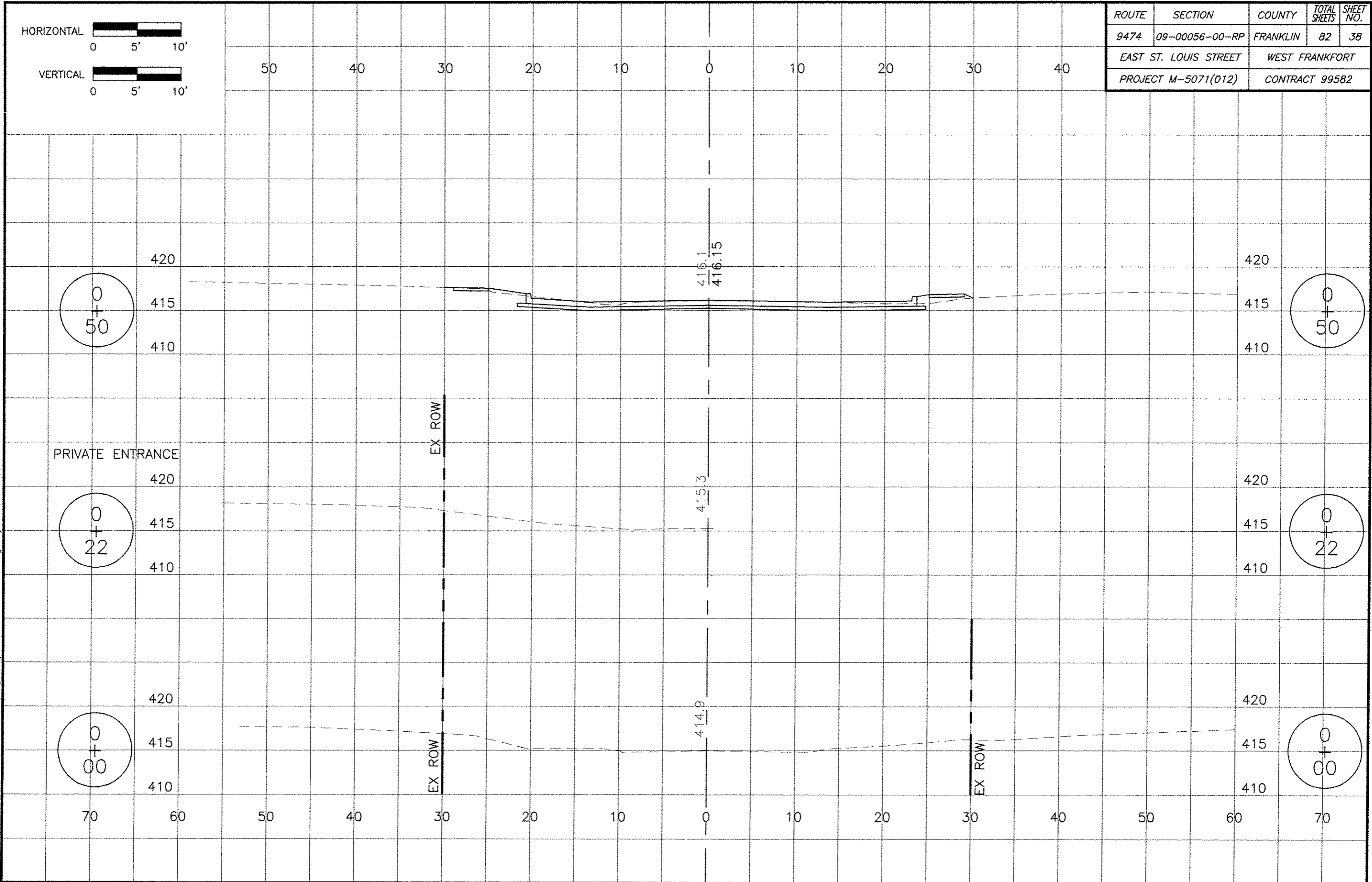
1. Temporary erosion control seeding shall be applied at the rate of 100 lbs/acre.
2. All erosion control products furnished shall be specifically recommended by the manufacturer for the use specified in the erosion control plan. Prior to the approval and use of the product, the contractor shall submit to the Engineer a notarized certification by the producer stating the intended use of the product and the physical properties required for this application are met or exceeded. The contractor shall provide manufacturer installation procedures to facilitate the Engineer in construction inspection.
3. All items shall be constructed as shown on STANDARD 280001 and as directed by the Engineer. Maintenance and cleaning of erosion control items shall be considered part of the respective erosion control pay item.

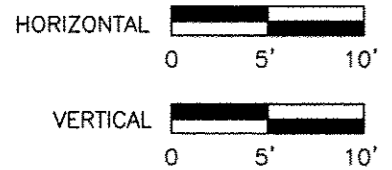
ROUTE	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
9474	09-00056-00-RP	FRANKLIN	82	37
EAST ST. LOUIS STREET		WEST FRANKFORT		
PROJECT M-5071(012)		CONTRACT 99582		



ROUTE	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
9474	09-00056-00-RP	FRANKLIN	82	38
EAST ST. LOUIS STREET		WEST FRANKFORT		
PROJECT M-5071(012)		CONTRACT 99582		

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ROUTE	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
9474	09-00056-00-RP	FRANKLIN	82	39
EAST ST. LOUIS STREET		WEST FRANKFORT		
PROJECT M-5071(012)		CONTRACT 99582		

50 40 30 20 10 0 10 20 30 40

1  
+  
50

425  
420  
415

PR EASE

EX ROW

417.4  
417.27

CUT 36 SQ.FT. FILL 5 SQ.FT.

PROPOSED 12" DIA. STORM SEWER

PROPOSED 12" DIA. STORM SEWER

EX ROW

425  
420  
415

1  
+  
50

1  
+  
00

420  
415  
410

EX ROW

417.3  
416.90

EXISTING 10" DIA. WATERMAIN

PROPOSED 15" DIA. STORM SEWER

EX ROW

420  
415  
410

1  
+  
00

BRYAN STREET INTERSECTION

0  
+  
67

420  
415  
410

EXISTING SANITARY SEWER MANHOLE TO REMAIN

416.7  
416.46

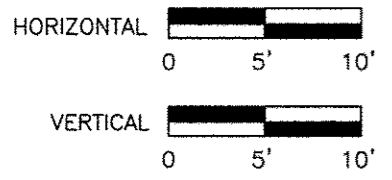
EXISTING 15" DIA. SANITARY SEWER TO REMAIN

420  
415  
410

0  
+  
67

70 60 50 40 30 20 10 0 10 20 30 40 50 60 70

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ROUTE	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
9474	09-00056-00-RP	FRANKLIN	82	40
EAST ST. LOUIS STREET		WEST FRANKFORT		
PROJECT M-5071(012)		CONTRACT 99582		

50 40 30 20 10 0 10 20 30 40

2  
+  
00

425  
420  
415

EX ROW

417.7  
417.61

PROPOSED 12" DIA.  
STORM SEWER

CUT 30 SQ.FT. FILL 16 SQ.FT.

EX ROW

425  
420  
415

2  
+  
00

1  
+  
73

425  
420  
415

417.5  
417.42

PROPOSED 12" DIA.  
STORM SEWER

6.6% 1.5%

PRIVATE ENTRANCE

425  
420  
415

1  
+  
73

PRIVATE ENTRANCE

425  
420  
415

PR EASE

7.2% 1.5% 6.2%

417.4  
417.31

EXISTING 10" DIA.  
WATERMAIN

7.4% 1.5%

PRIVATE ENTRANCE

425  
420  
415

1  
+  
57

70 60

50

40

30

20

10

0

10

20

30

40

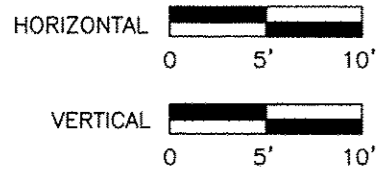
50

60

70

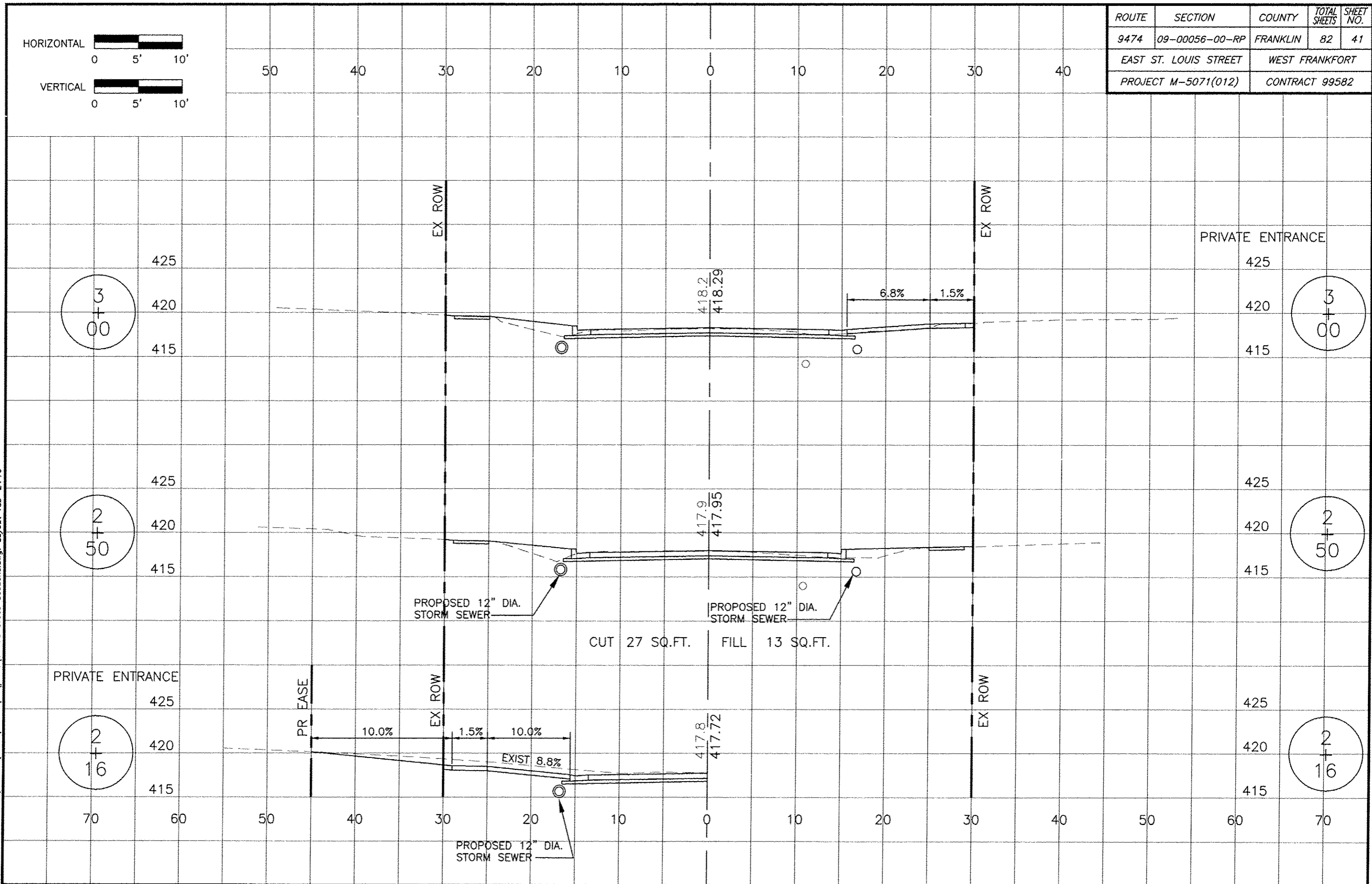
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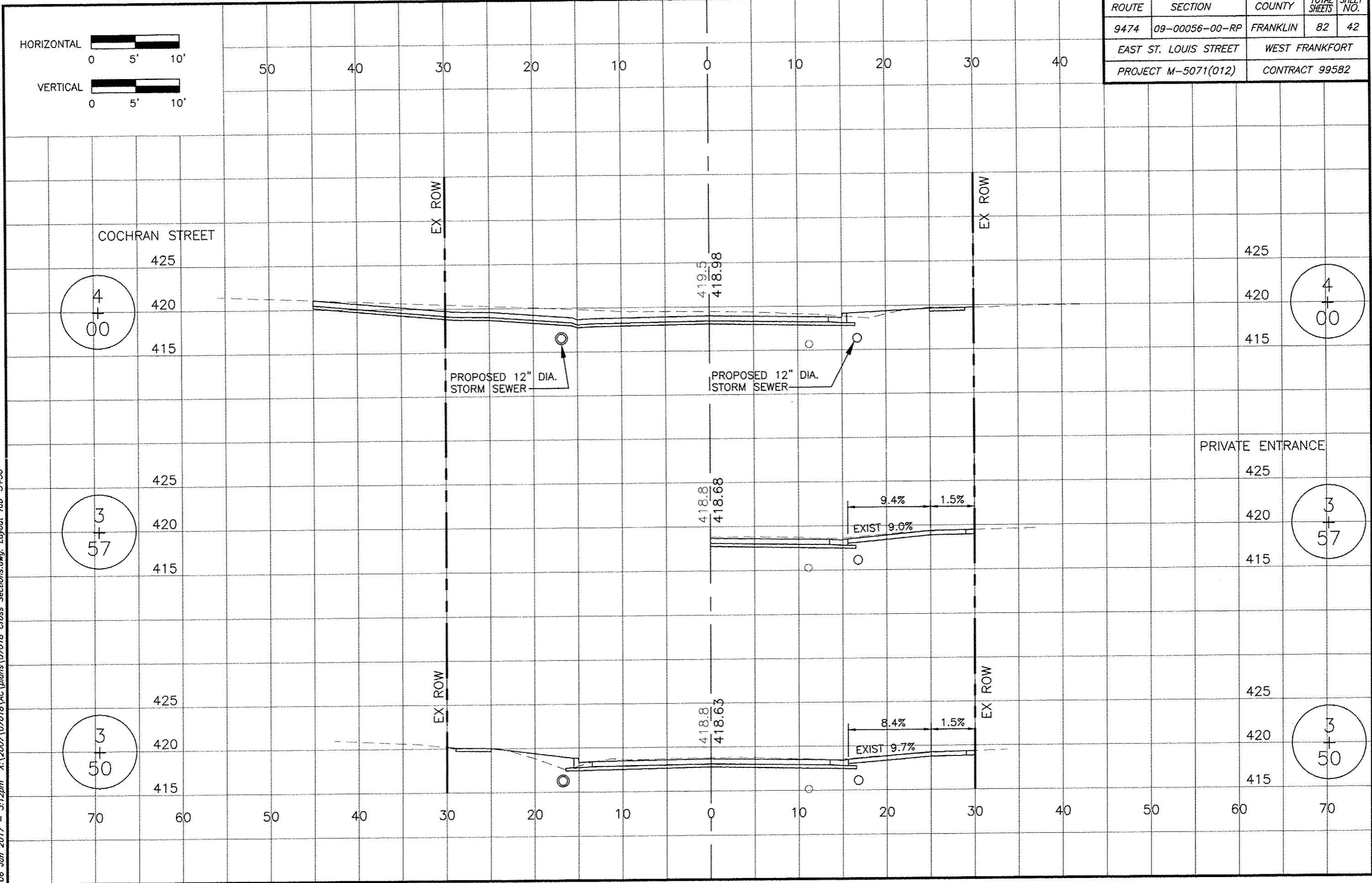
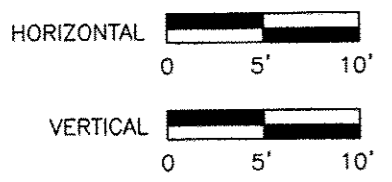


ROUTE	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
9474	09-00056-00-RP	FRANKLIN	82	41
EAST ST. LOUIS STREET		WEST FRANKFORT		
PROJECT M-5071(012)		CONTRACT 99582		

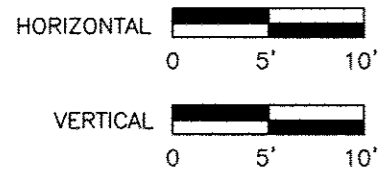
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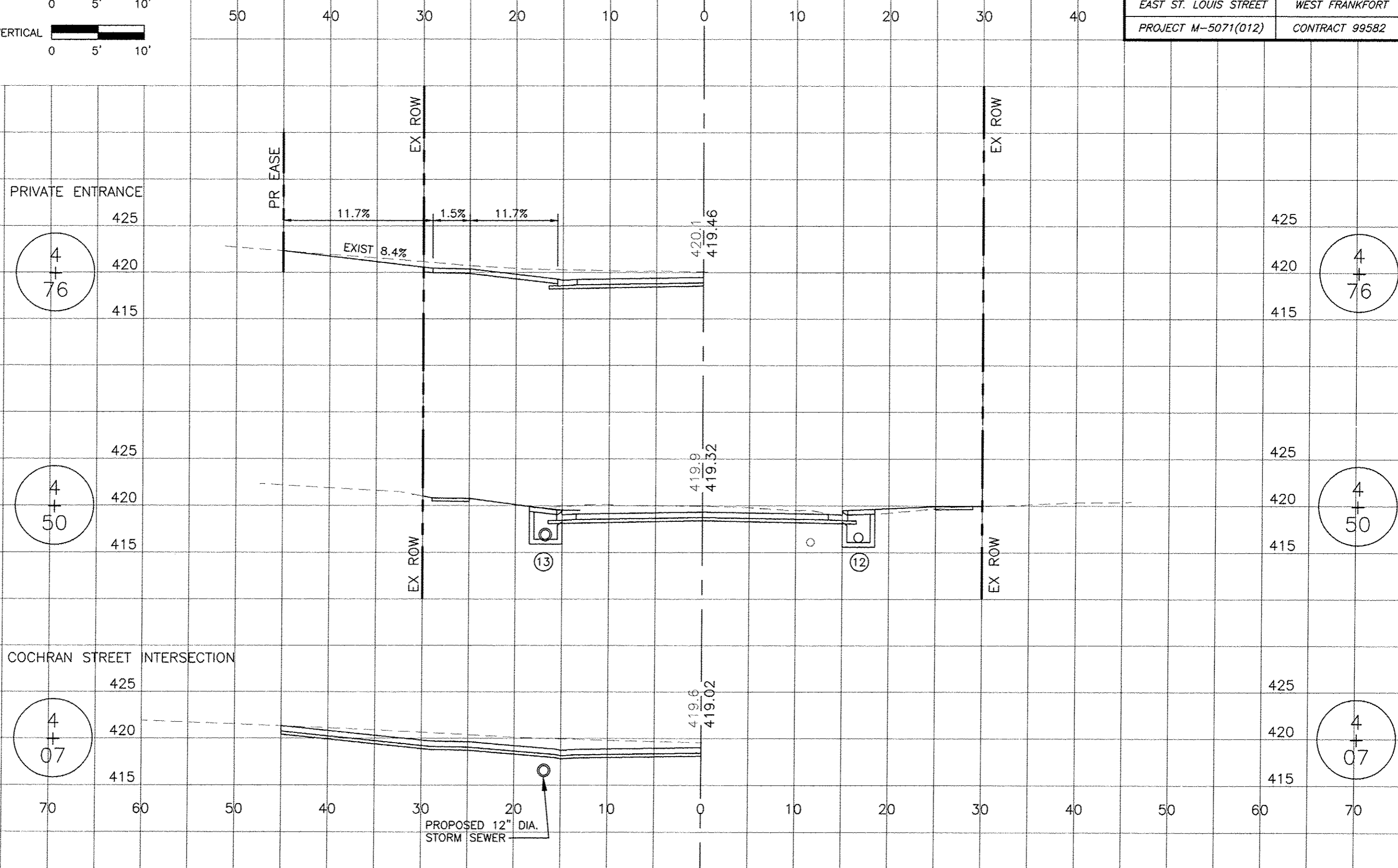
ROUTE	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
9474	09-00056-00-RP	FRANKLIN	82	42
EAST ST. LOUIS STREET		WEST FRANKFORT		
PROJECT M-5071(012)		CONTRACT 99582		



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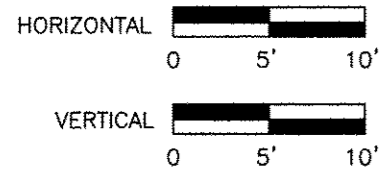


ROUTE	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
9474	09-00056-00-RP	FRANKLIN	82	43
EAST ST. LOUIS STREET		WEST FRANKFORT		
PROJECT M-5071(012)		CONTRACT 99582		



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ROUTE	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
9474	09-00056-00-RP	FRANKLIN	82	44
EAST ST. LOUIS STREET		WEST FRANKFORT		
PROJECT M-5071(012)		CONTRACT 99582		



50 40 30 20 10 0 10 20 30 40

PRIVATE ENTRANCE

DAY STREET INTERSECTION

425  
420  
415

425  
420  
415

5  
+  
34

5  
+  
34

425  
420  
415

425  
420  
415

5  
+  
00

5  
+  
00

425  
420  
415

425  
420  
415

4  
+  
95

4  
+  
95

PR EASE

EX ROW

EX ROW

PR EASE

EX ROW

EX ROW

14.4% 1.5% 13.6%

14.4% 1.5% 13.6%

15.0% 1.5% 12.2%

EXIST 11.2%

EXIST 18.6%

EXIST 13.8%

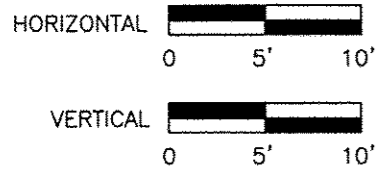
420.0  
419.53

420.1  
419.53

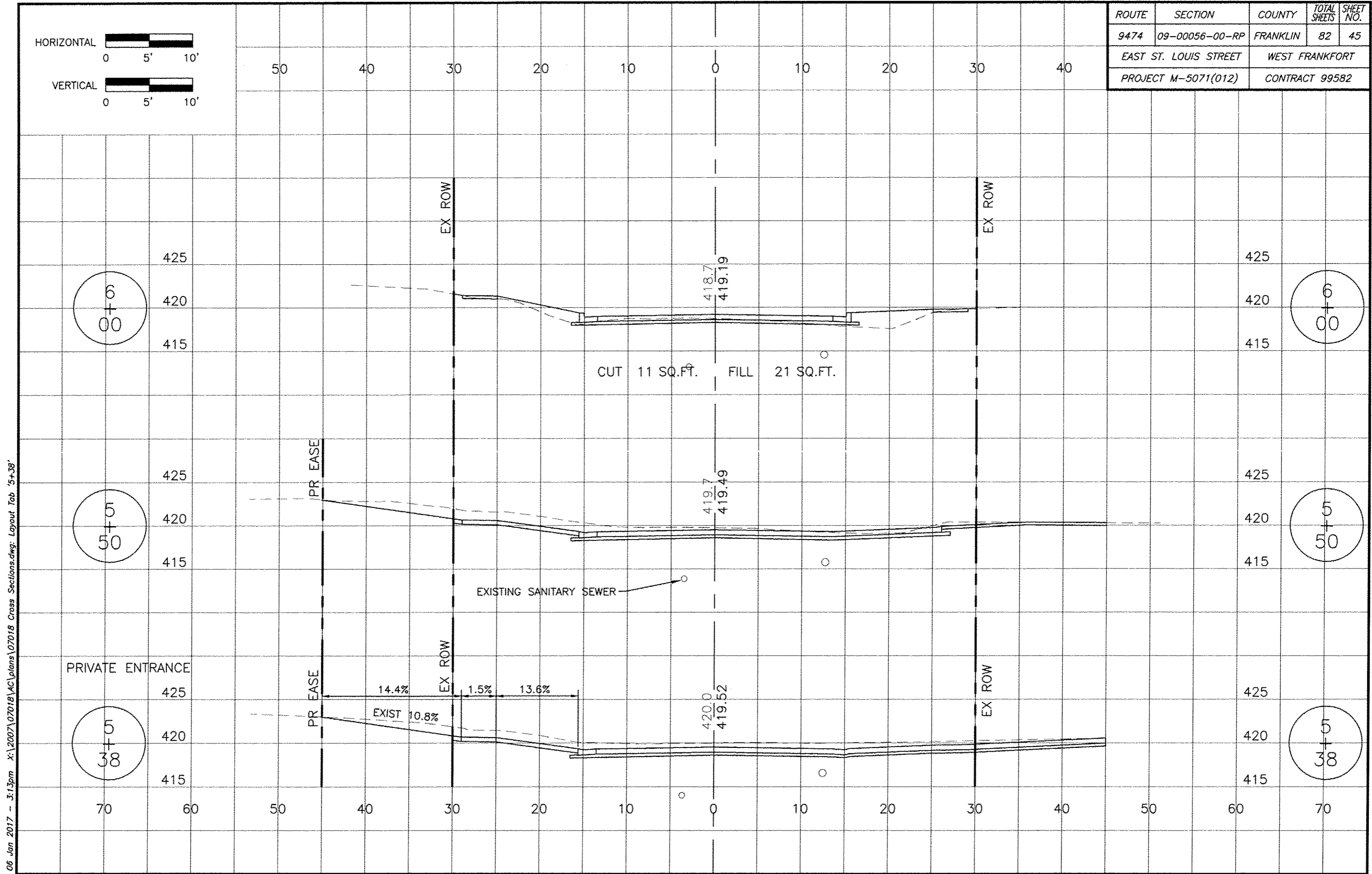
420.1  
419.52

EXISTING SANITARY SEWER

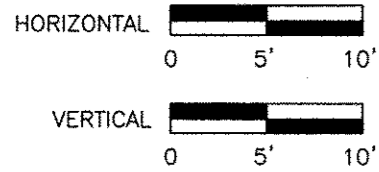
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ROUTE	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
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EAST ST. LOUIS STREET		WEST FRANKFORT		
PROJECT M-5071(012)		CONTRACT 99582		

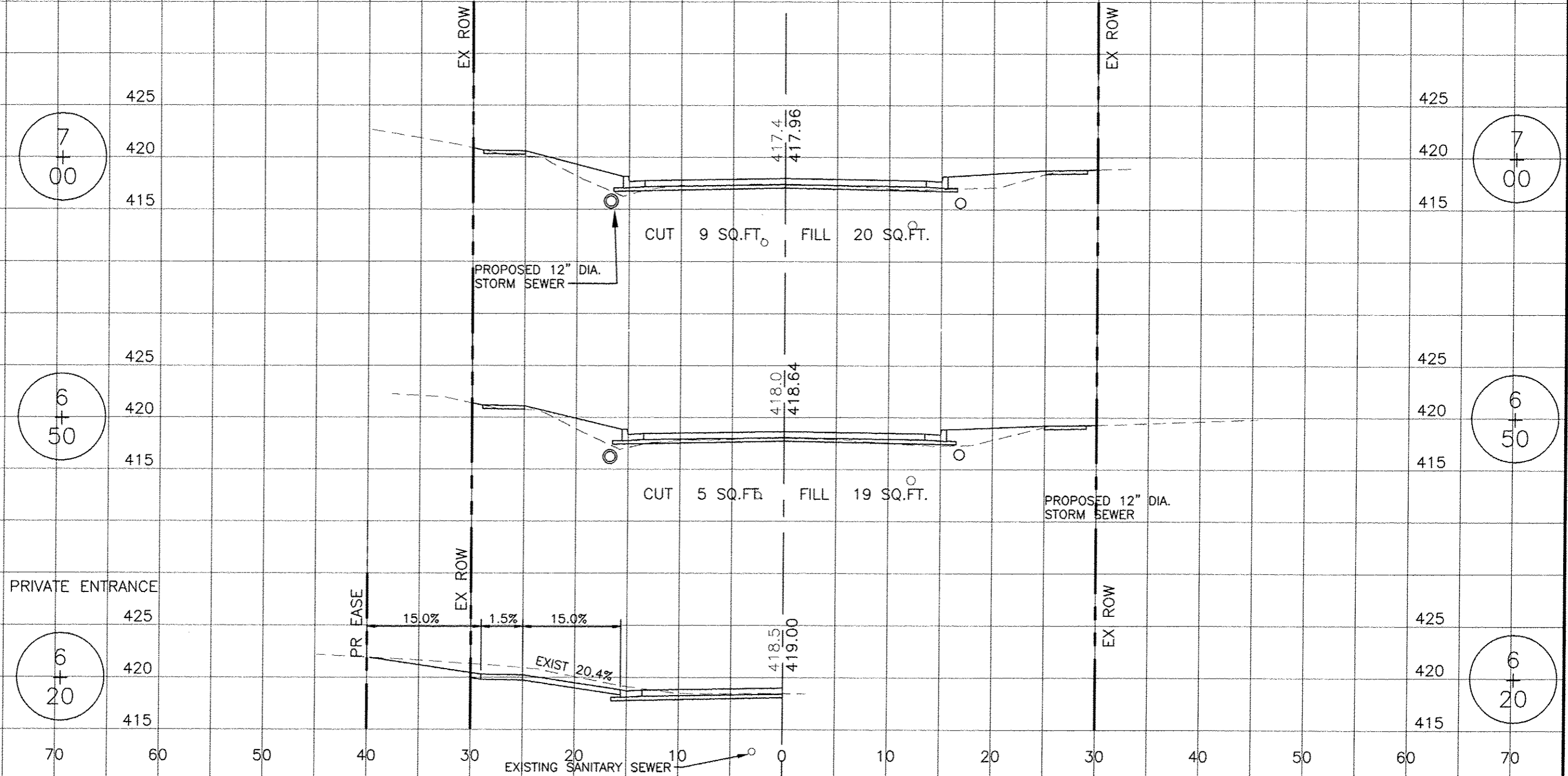


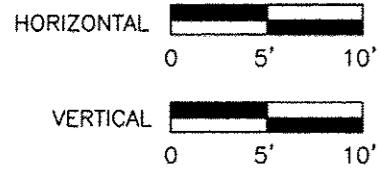
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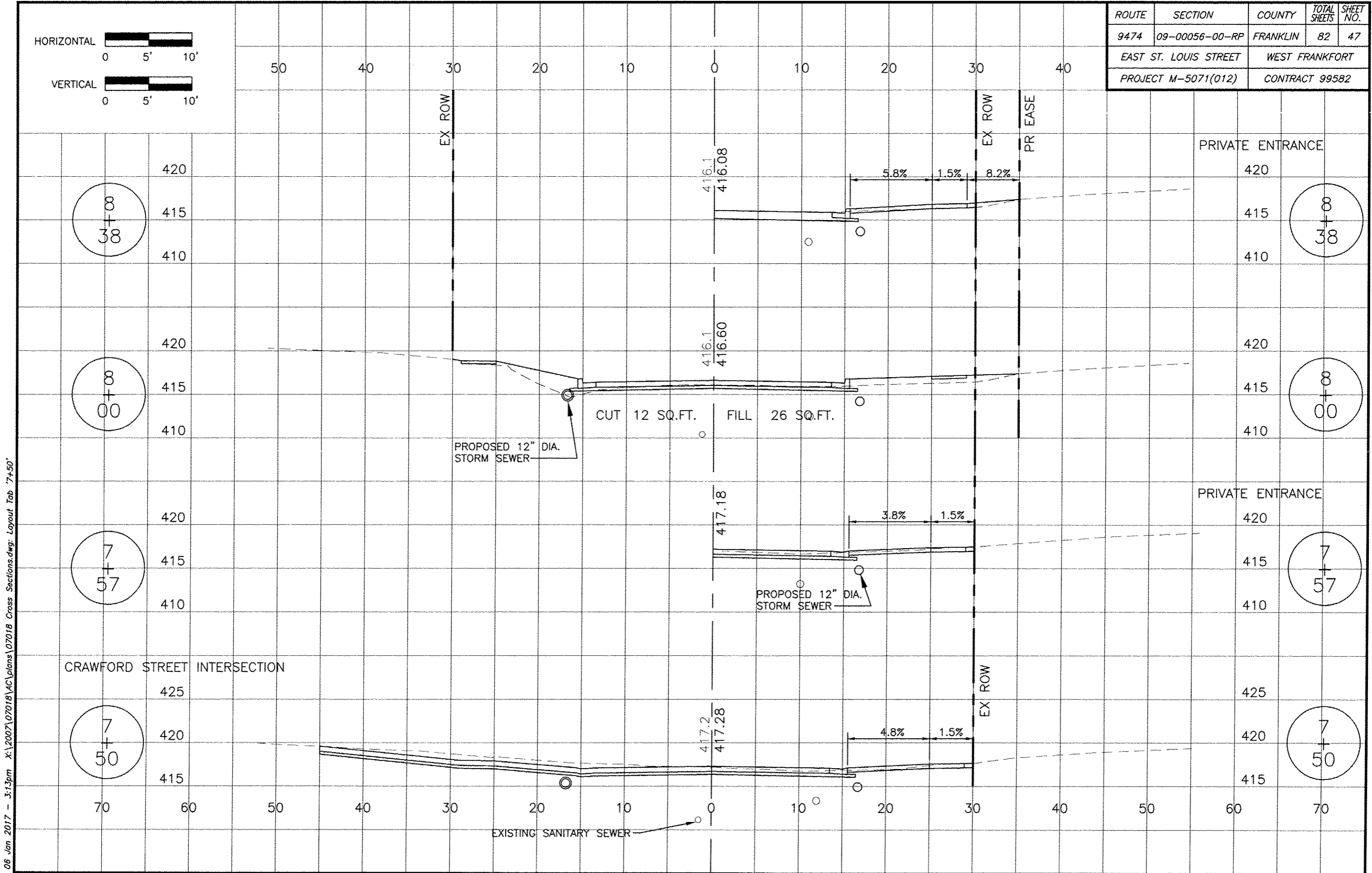
ROUTE	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
9474	09-00056-00-RP	FRANKLIN	82	46
EAST ST. LOUIS STREET		WEST FRANKFORT		
PROJECT M-5071(012)		CONTRACT 99582		

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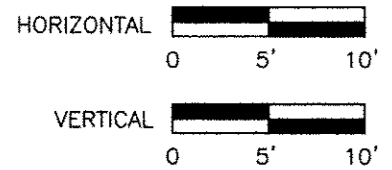




ROUTE	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
9474	09-00056-00-RP	FRANKLIN	82	47
EAST ST. LOUIS STREET		WEST FRANKFORT		
PROJECT M-5071(012)		CONTRACT 99582		

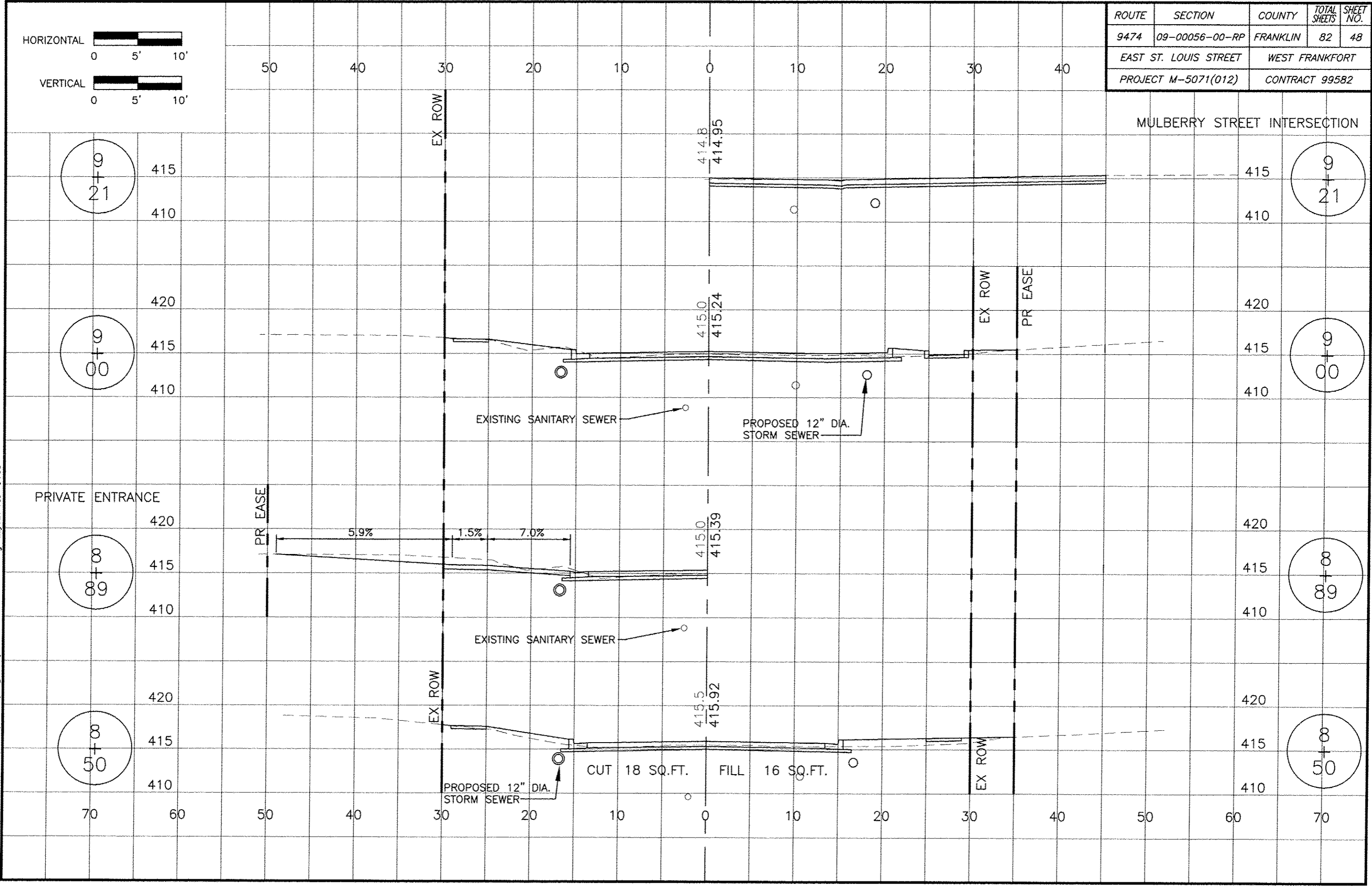


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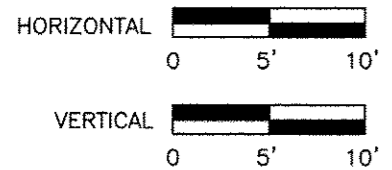
ROUTE	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
9474	09-00056-00-RP	FRANKLIN	82	48
EAST ST. LOUIS STREET		WEST FRANKFORT		
PROJECT M-5071(012)		CONTRACT 99582		

MULBERRY STREET INTERSECTION



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ROUTE	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
9474	09-00056-00-RP	FRANKLIN	82	49
EAST ST. LOUIS STREET		WEST FRANKFORT		
PROJECT M-5071(012)		CONTRACT 99582		

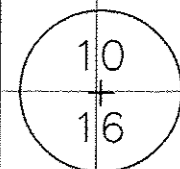
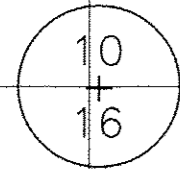
50 40 30 20 10 0 10 20 30 40

PRIVATE ENTRANCE

PRIVATE ENTRANCE

420  
415  
410

420  
415  
410



EX ROW

EX ROW

1.5% 10.2%

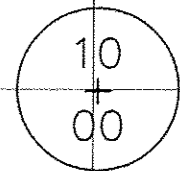
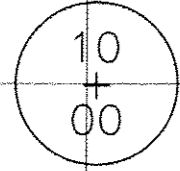
5.6% 1.5%

PROPOSED 12" DIA. STORM SEWER

414.2  
413.66

PRIVATE ENTRANCE

420  
415  
410



1.5% 10.0%

EXISTING SANITARY SEWER

PROPOSED 24" DIA. STORM SEWER

414.2  
413.88

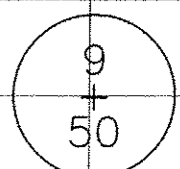
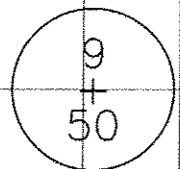
EX ROW

EX ROW

414.4  
414.56

420  
415  
410

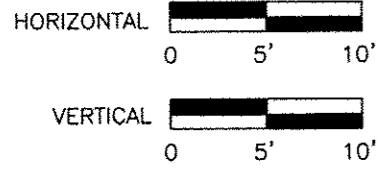
420  
415  
410



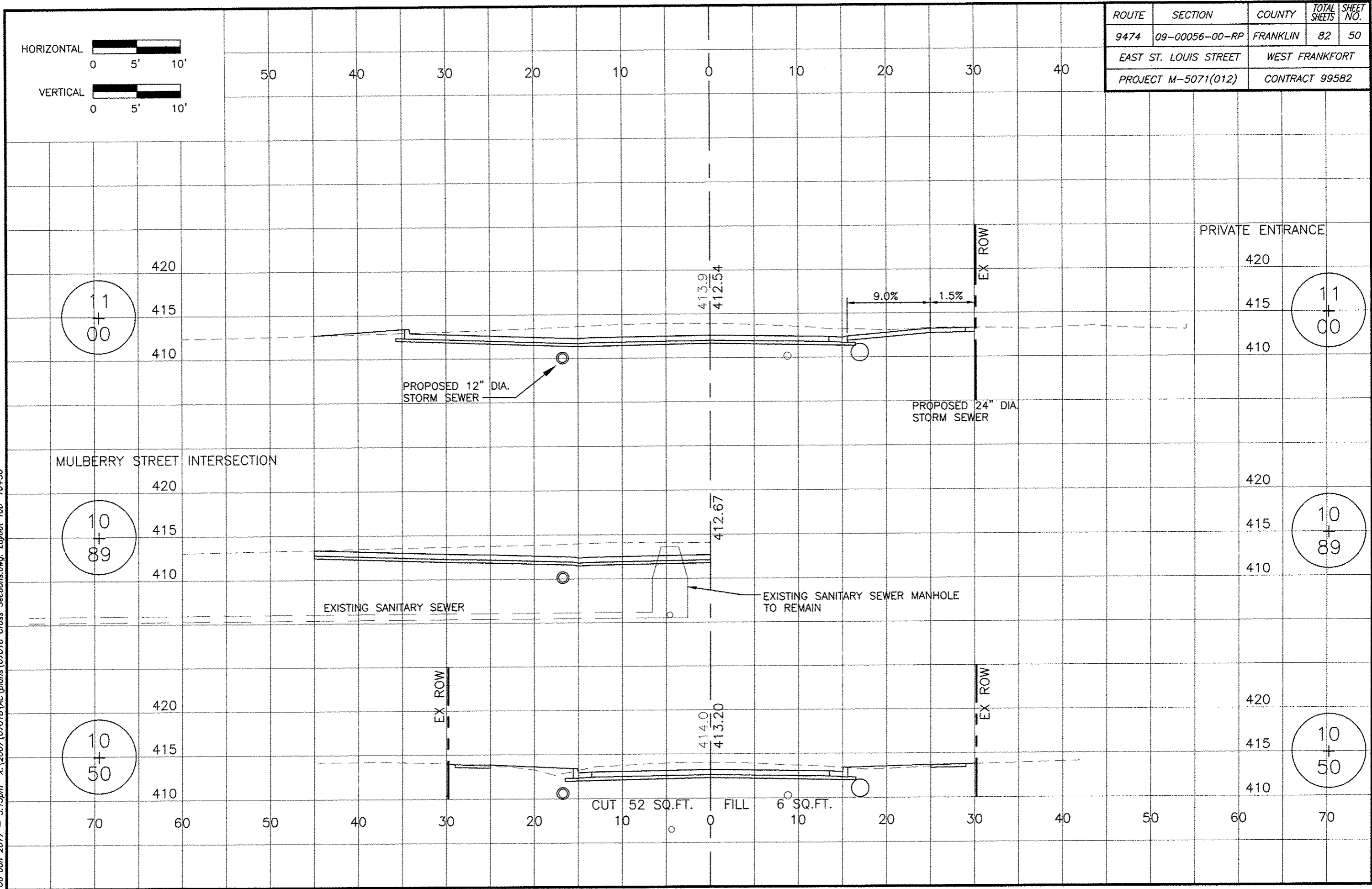
70 60 50 40 30 20 10 0 10 20 30 40 50 60 70

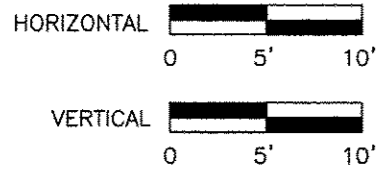
06 Jan 2017 - 3:13pm X:\2007\07018\AC\plans\07018 Cross Sections.dwg: Layout Tab '9+50'

ROUTE	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
9474	09-00056-00-RP	FRANKLIN	82	50
EAST ST. LOUIS STREET		WEST FRANKFORT		
PROJECT M-5071(012)		CONTRACT 99582		



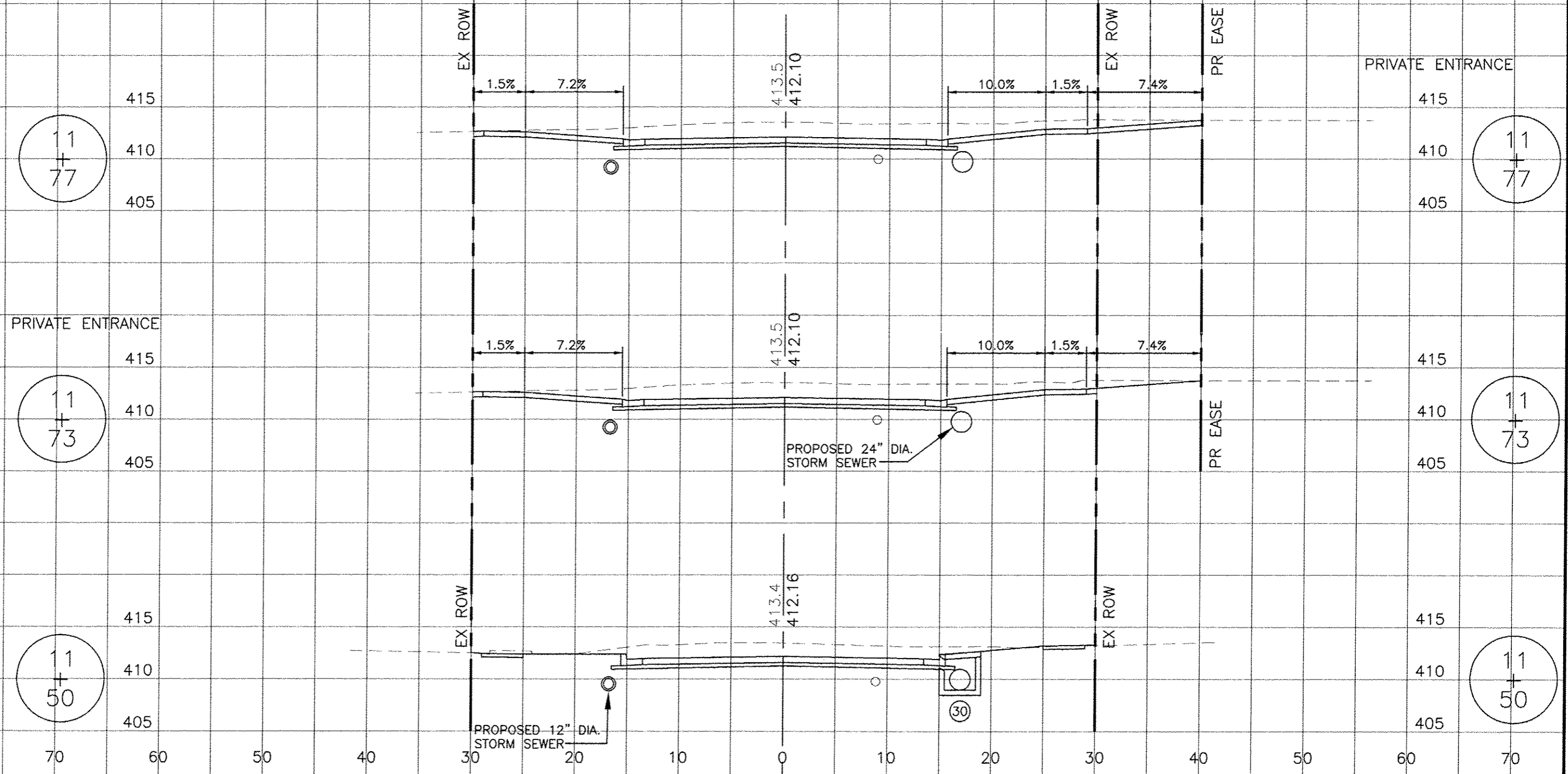
06 Jan 2017 - 3:13pm X:\2007\07018\AC\plans\07018 Cross Sections.dwg: Layout Tab '10+50'





ROUTE	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
9474	09-00056-00-RP	FRANKLIN	82	51
EAST ST. LOUIS STREET		WEST FRANKFORT		
PROJECT M-5071(012)		CONTRACT 99582		

06 Jan 2017 - 3:14pm X:\2007\07018\AC\plans\07018 Cross Sections.dwg: Layout Tab '11+50'



11  
+  
77

11  
+  
73

11  
+  
50

11  
+  
77

11  
+  
73

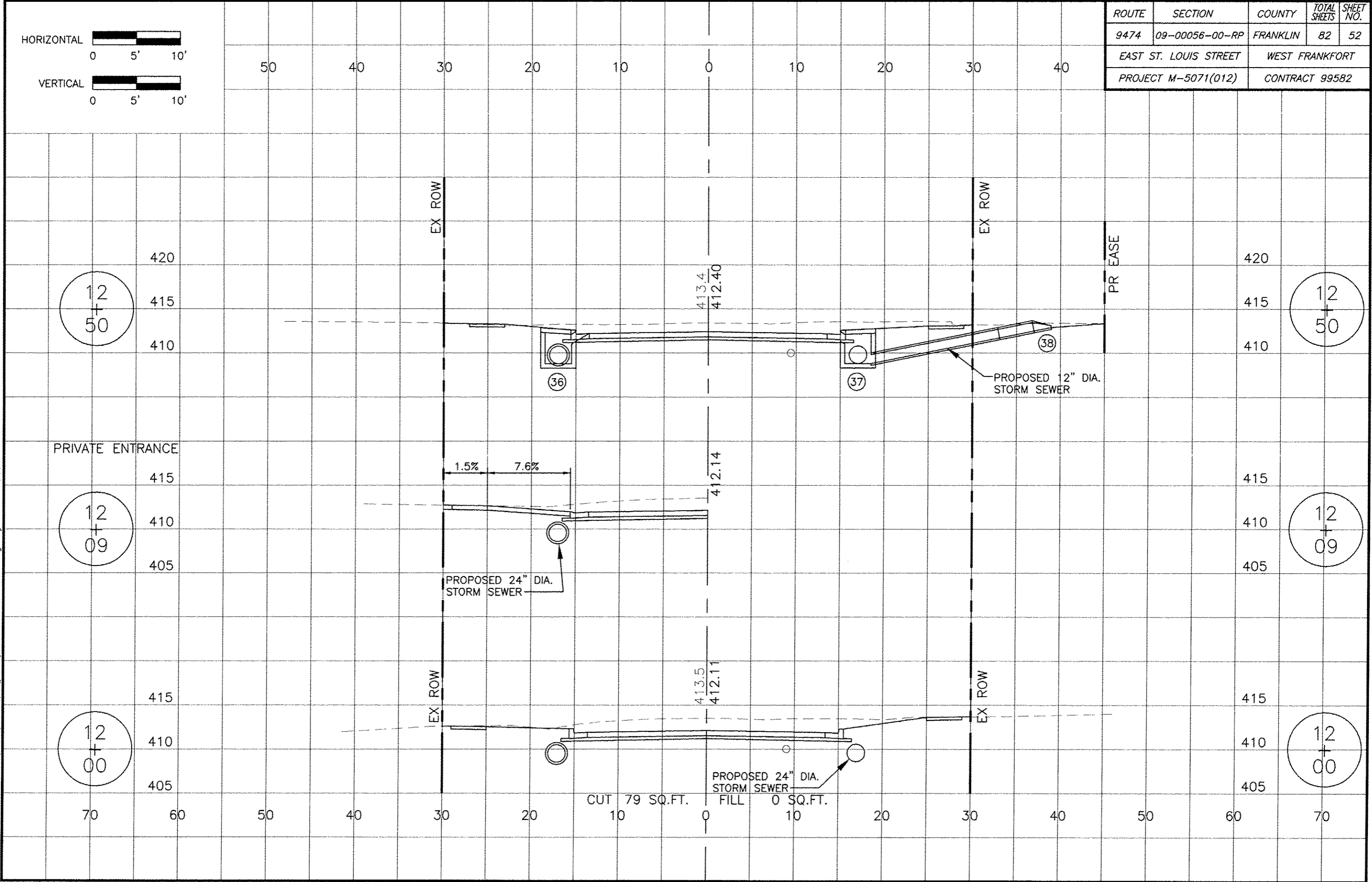
11  
+  
50

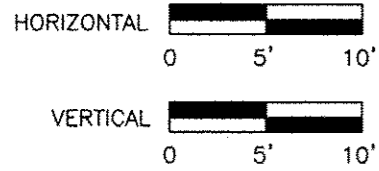
(30)



ROUTE	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
9474	09-00056-00-RP	FRANKLIN	82	52
EAST ST. LOUIS STREET		WEST FRANKFORT		
PROJECT M-5071(012)		CONTRACT 99582		

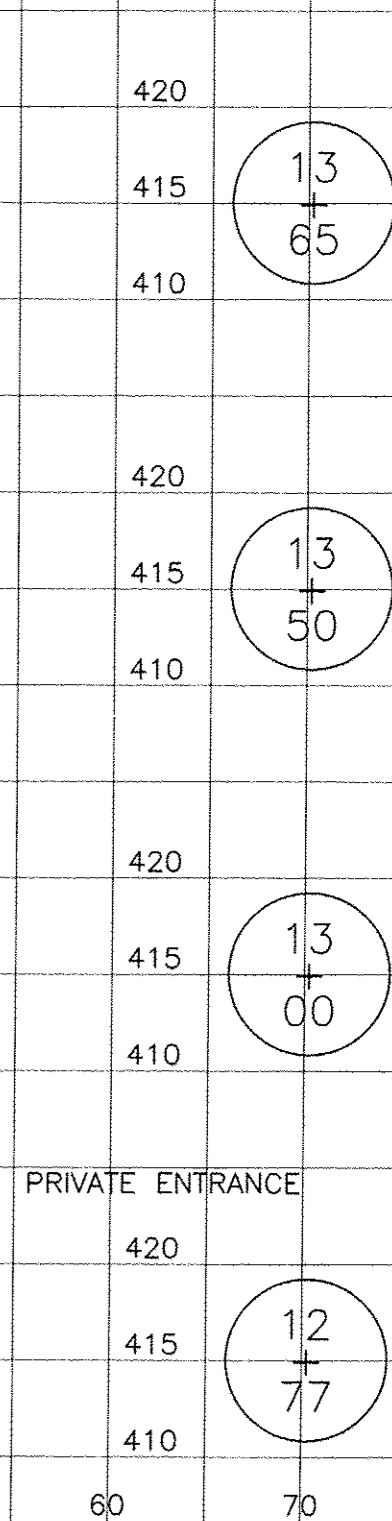
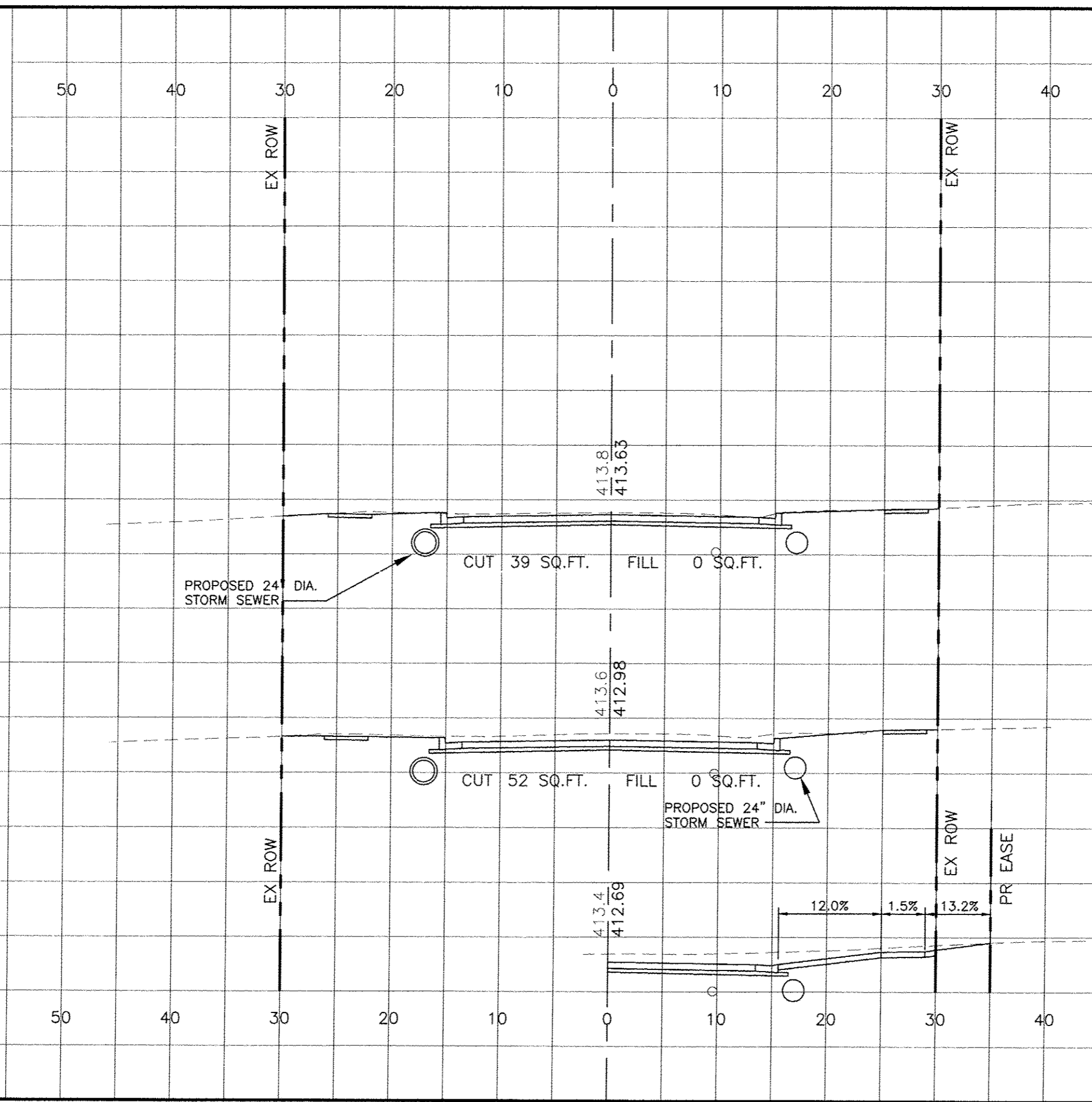
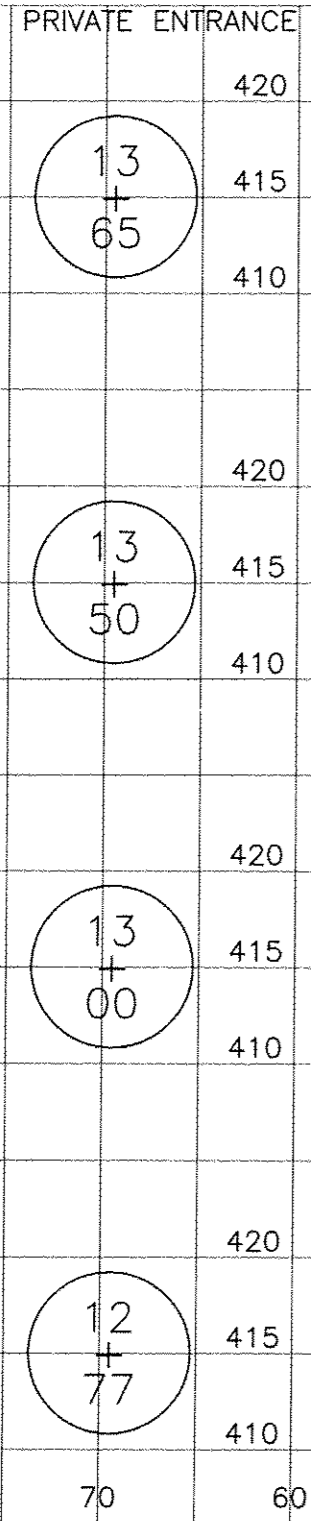
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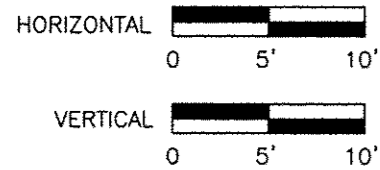
ROUTE	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
9474	09-00056-00-RP	FRANKLIN	82	53
EAST ST. LOUIS STREET		WEST FRANKFORT		
PROJECT M-5071(012)		CONTRACT 99582		

06 Jan 2017 - 3:14pm X:\2007\07018\AC\plans\07018 Cross Sections.dwg: Layout Tab '12+77'



PR EASE

PRIVATE ENTRANCE

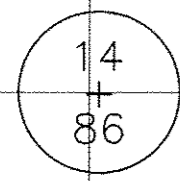


ROUTE	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
9474	09-00056-00-RP	FRANKLIN	82	54
EAST ST. LOUIS STREET		WEST FRANKFORT		
PROJECT M-5071(012)		CONTRACT 99582		

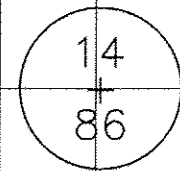
50 40 30 20 10 0 10 20 30 40

PRIVATE ENTRANCE

420  
415  
410



420  
415  
410

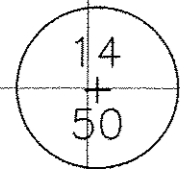


EX ROW

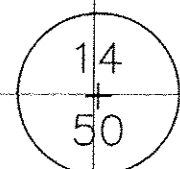
EXISTING PCC PAVEMENT TO REMAIN

EX ROW

420  
415  
410



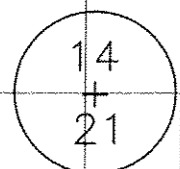
420  
415  
410



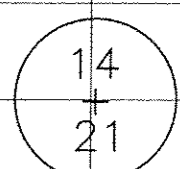
EXISTING 24" EQRS STORM SEWER TO REMAIN

CHERRY STREET INTERSECTION

420  
415  
410



420  
415  
410

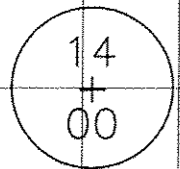


EXISTING SANITARY SEWER

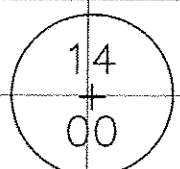
EXISTING PCC PAVEMENT TO REMAIN

EXISTING 27" EQRS STORM SEWER TO REMAIN

420  
415  
410



420  
415  
410

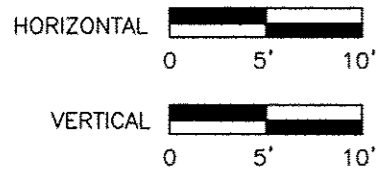


EX ROW

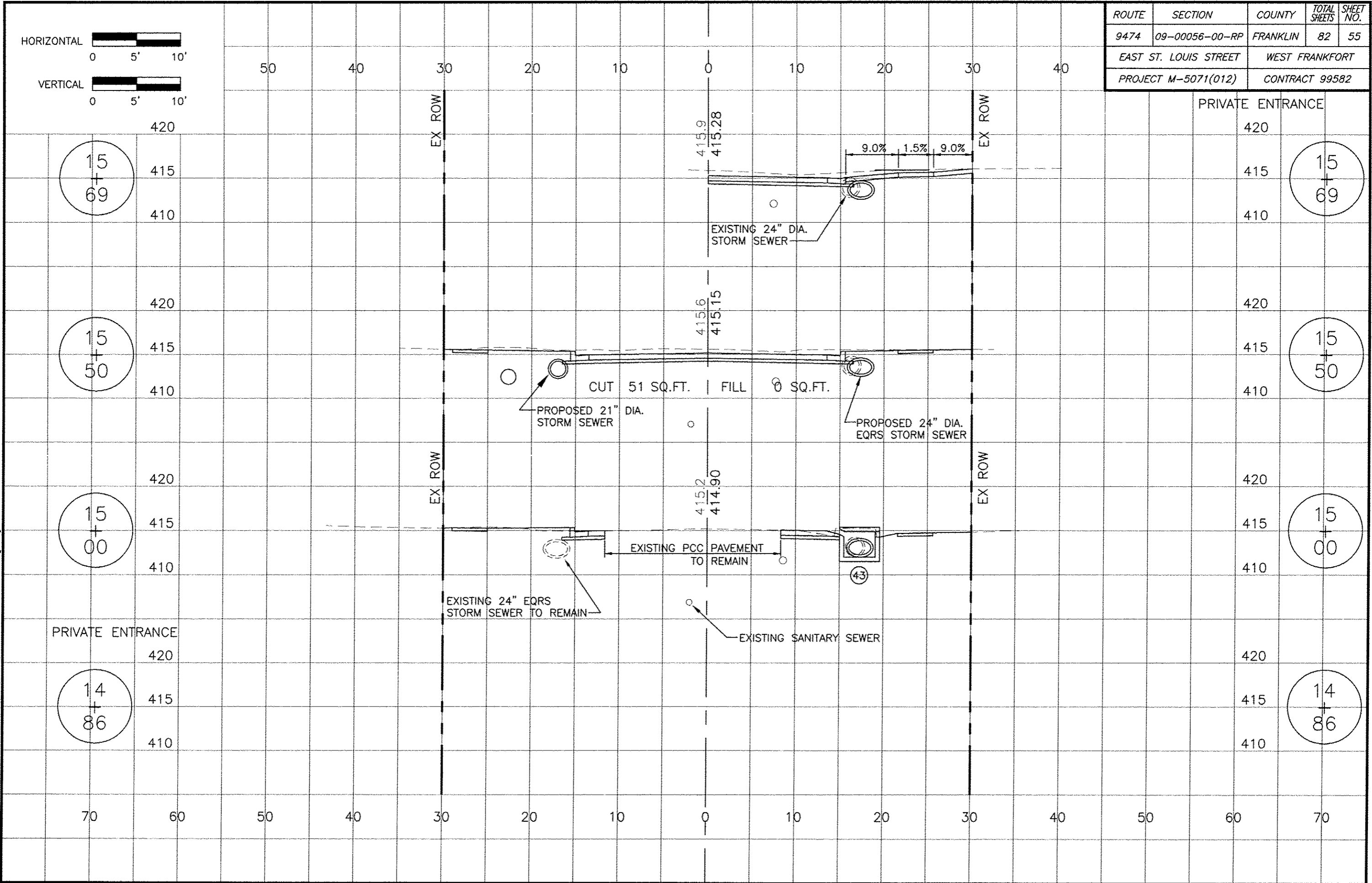
EX ROW

70 60 50 40 30 20 10 0 10 20 30 40 50 60 70

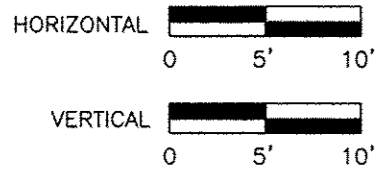
06 Jan 2017 - 3:14pm X:\2007\07018\AC\plans\07018 Cross Sections.dwg: Layout Tab '14+00'



ROUTE	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
9474	09-00056-00-RP	FRANKLIN	82	55
EAST ST. LOUIS STREET		WEST FRANKFORT		
PROJECT M-5071(012)		CONTRACT 99582		

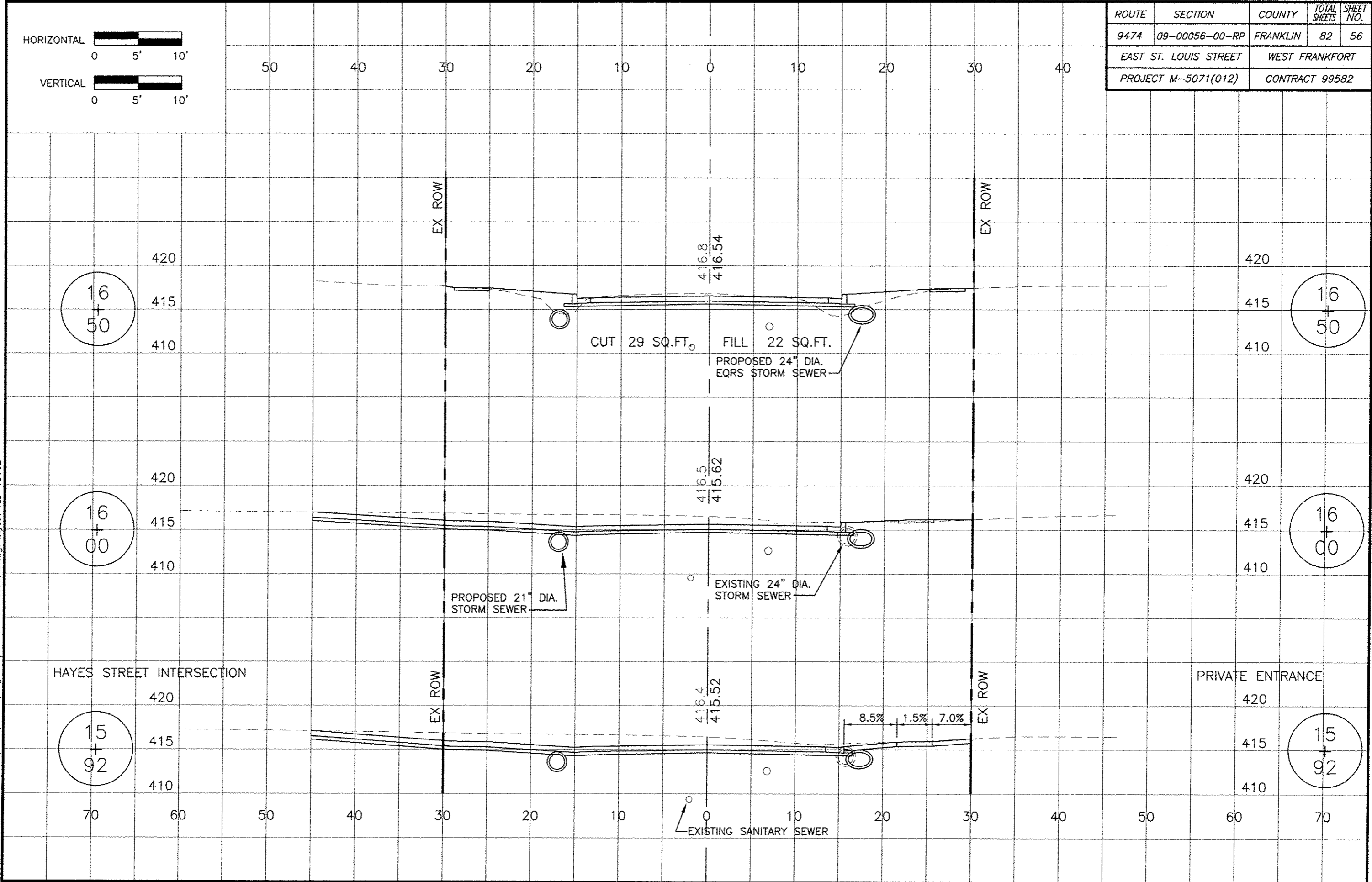


06 Jan 2017 - 3:14pm X:\2007\07018\AC\plans\07018 Cross Sections.dwg: Layout Tab '14+86'



ROUTE	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
9474	09-00056-00-RP	FRANKLIN	82	56
EAST ST. LOUIS STREET		WEST FRANKFORT		
PROJECT M-5071(012)		CONTRACT 99582		

06 Jan 2017 - 3:14pm X:\2007\07018\AC\plans\07018 Cross Sections.dwg: Layout Tab '15+92'



16  
+  
50

16  
+  
00

15  
+  
92

16  
+  
50

16  
+  
00

15  
+  
92

EX ROW

EX ROW

EX ROW

EX ROW

416.8  
416.54

416.5  
415.62

416.4  
415.52

CUT 29 SQ.FT. FILL 22 SQ.FT.  
PROPOSED 24" DIA. EQRS STORM SEWER

PROPOSED 21" DIA. STORM SEWER

EXISTING 24" DIA. STORM SEWER

EXISTING SANITARY SEWER

8.5% 1.5% 7.0%

HAYES STREET INTERSECTION

PRIVATE ENTRANCE

420  
415  
410

420  
415  
410

420  
415  
410

420  
415  
410

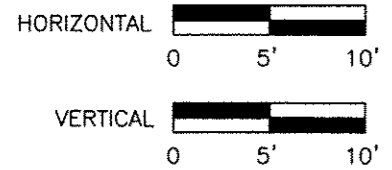
420  
415  
410

420  
415  
410

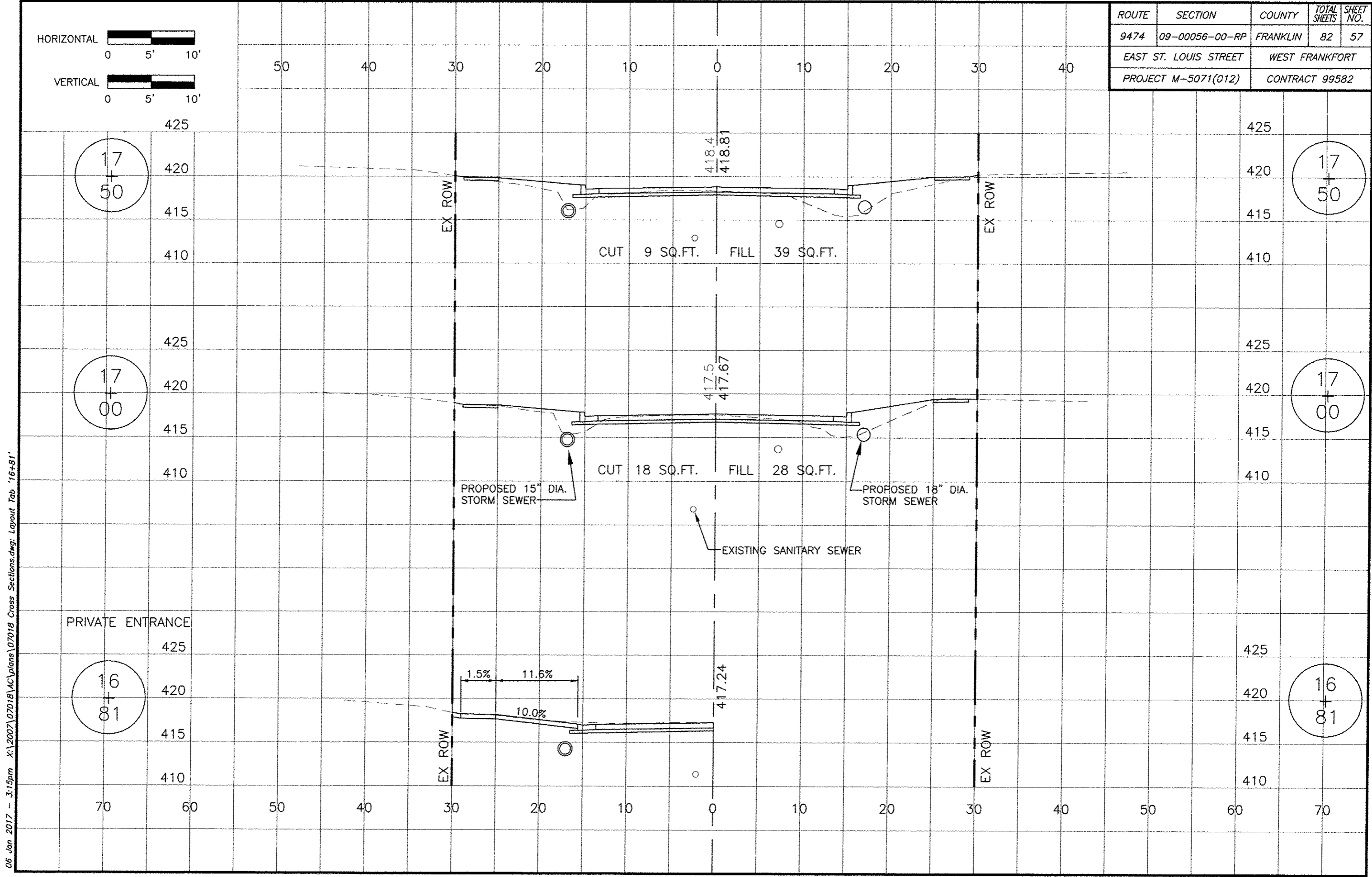
50 40 30 20 10 0 10 20 30 40

70 60 50 40 30 20 10 0 10 20 30 40 50 60 70

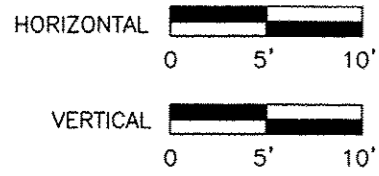




ROUTE	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
9474	09-00056-00-RP	FRANKLIN	82	57
EAST ST. LOUIS STREET		WEST FRANKFORT		
PROJECT M-5071(012)		CONTRACT 99582		

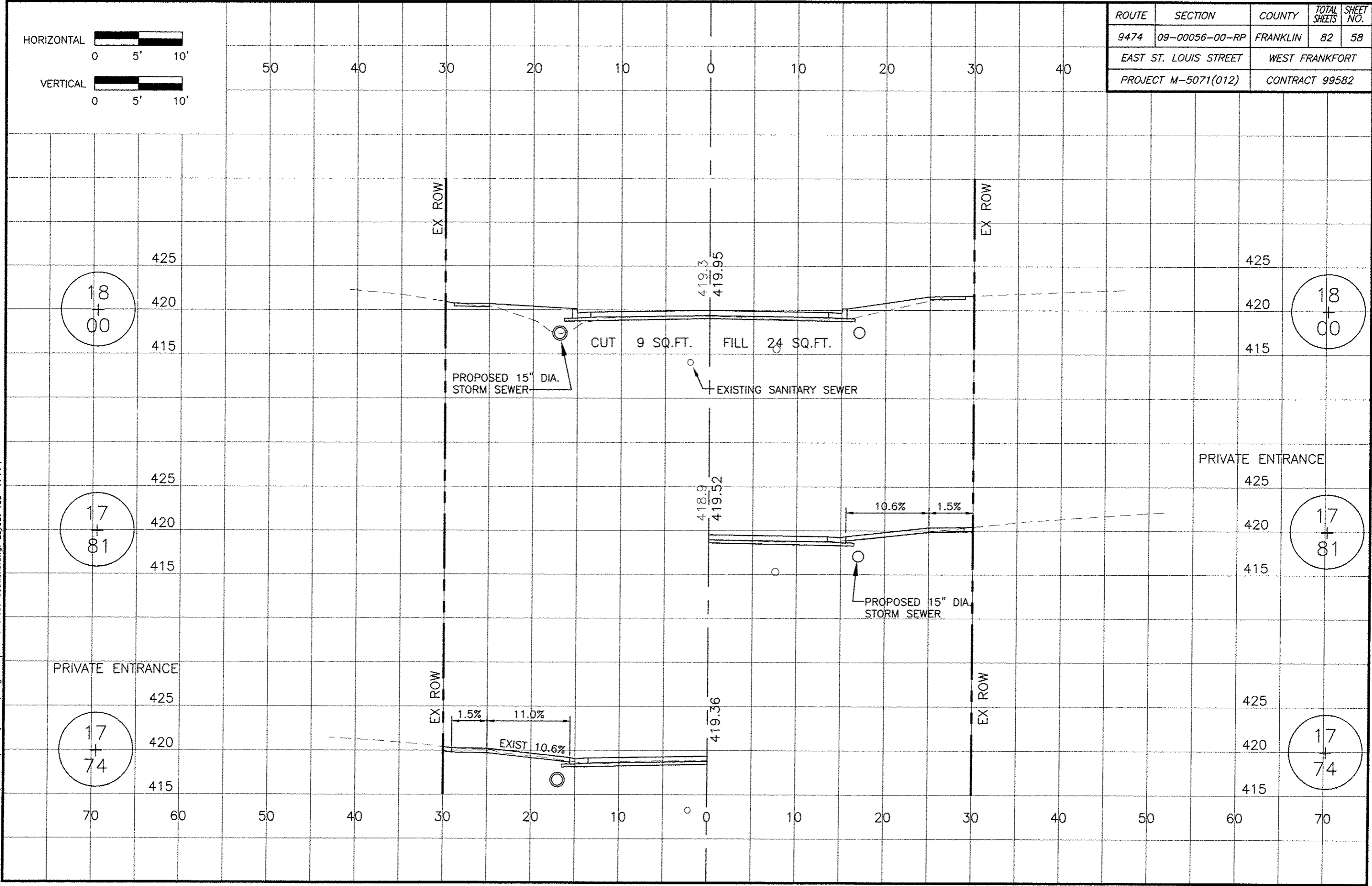


06 Jan 2017 - 3:15pm X:\2007\07018\AC\plans\07018 Cross Sections.dwg: Layout Tab '16+81'



ROUTE	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
9474	09-00056-00-RP	FRANKLIN	82	58
EAST ST. LOUIS STREET		WEST FRANKFORT		
PROJECT M-5071(012)		CONTRACT 99582		

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18  
+  
00

18  
+  
00

17  
+  
81

17  
+  
81

17  
+  
74

17  
+  
74

EX ROW

EX ROW

EX ROW

EX ROW

CUT 9 SQ.FT. FILL 24 SQ.FT.

PROPOSED 15" DIA. STORM SEWER

EXISTING SANITARY SEWER

PROPOSED 15" DIA. STORM SEWER

PRIVATE ENTRANCE

PRIVATE ENTRANCE

419.3  
419.95

418.9  
419.52

419.36

10.6% 1.5%

1.5% 11.0%  
EXIST 10.6%

425  
420  
415

425  
420  
415

425  
420  
415

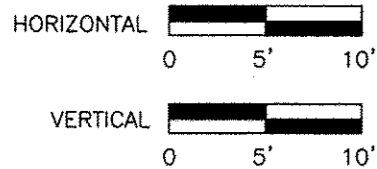
425  
420  
415

425  
420  
415

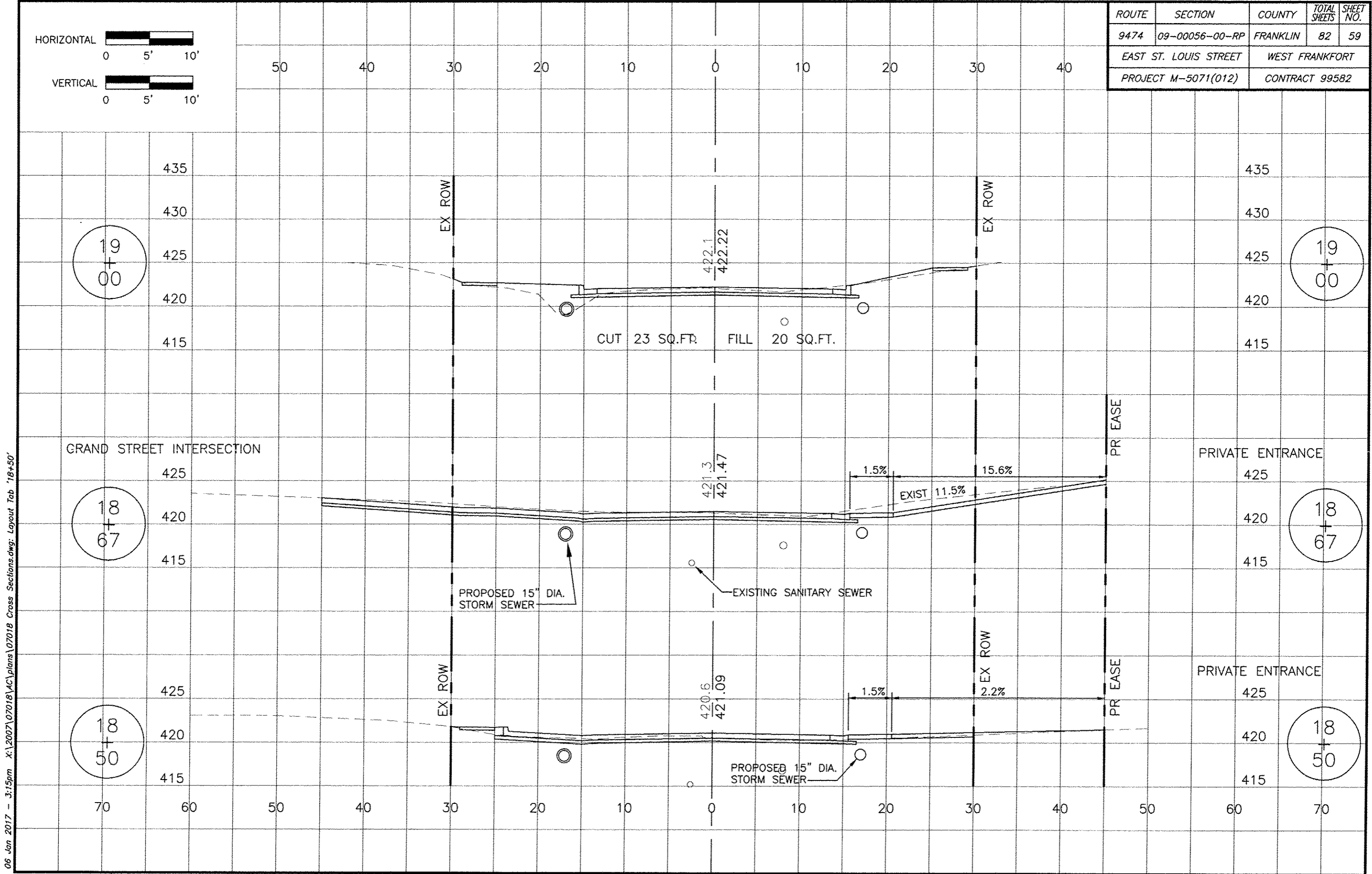
425  
420  
415

70 60 50 40 30 20 10 0 10 20 30 40 50 60 70

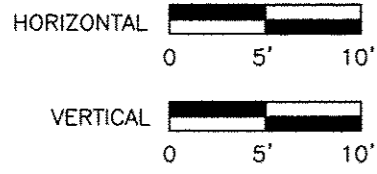
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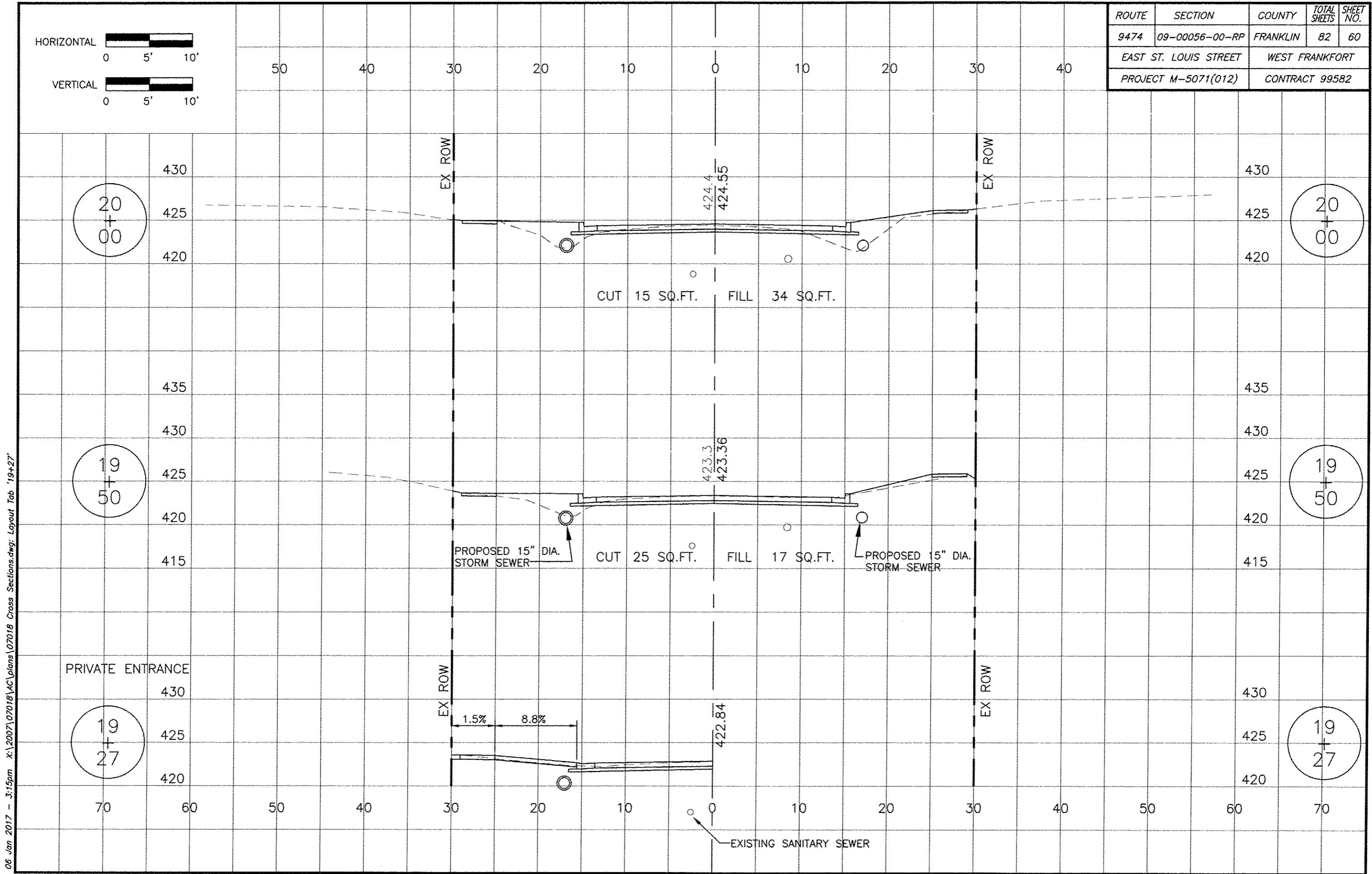
ROUTE	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
9474	09-00056-00-RP	FRANKLIN	82	59
EAST ST. LOUIS STREET		WEST FRANKFORT		
PROJECT M-5071(012)		CONTRACT 99582		



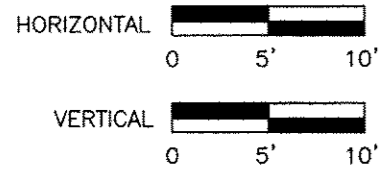
06 Jan 2017 - 3:15pm X:\2007\07018\AC\plans\07018 Cross Sections.dwg: Layout Tab '18+50'



ROUTE	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
9474	09-00056-00-RP	FRANKLIN	82	60
EAST ST. LOUIS STREET		WEST FRANKFORT		
PROJECT M-5071(012)		CONTRACT 99582		

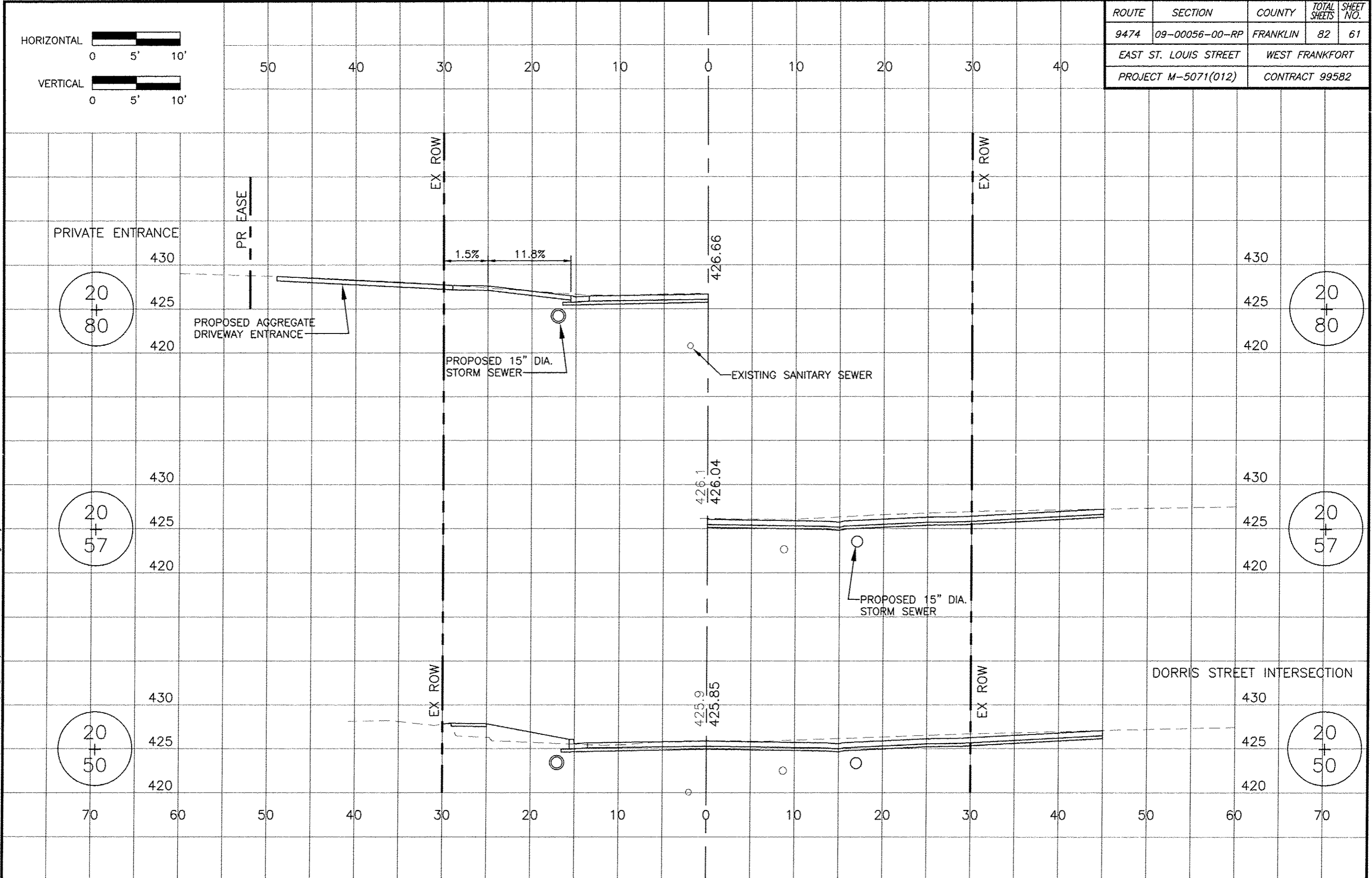


06 Jan 2017 - 3:15pm X:\2007\07018\AC\plans\07018 Cross Sections.dwg: Layout Tab '19+27'

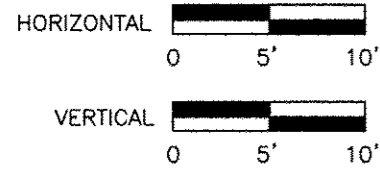


ROUTE	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
9474	09-00056-00-RP	FRANKLIN	82	61
EAST ST. LOUIS STREET		WEST FRANKFORT		
PROJECT M-5071(012)		CONTRACT 99582		

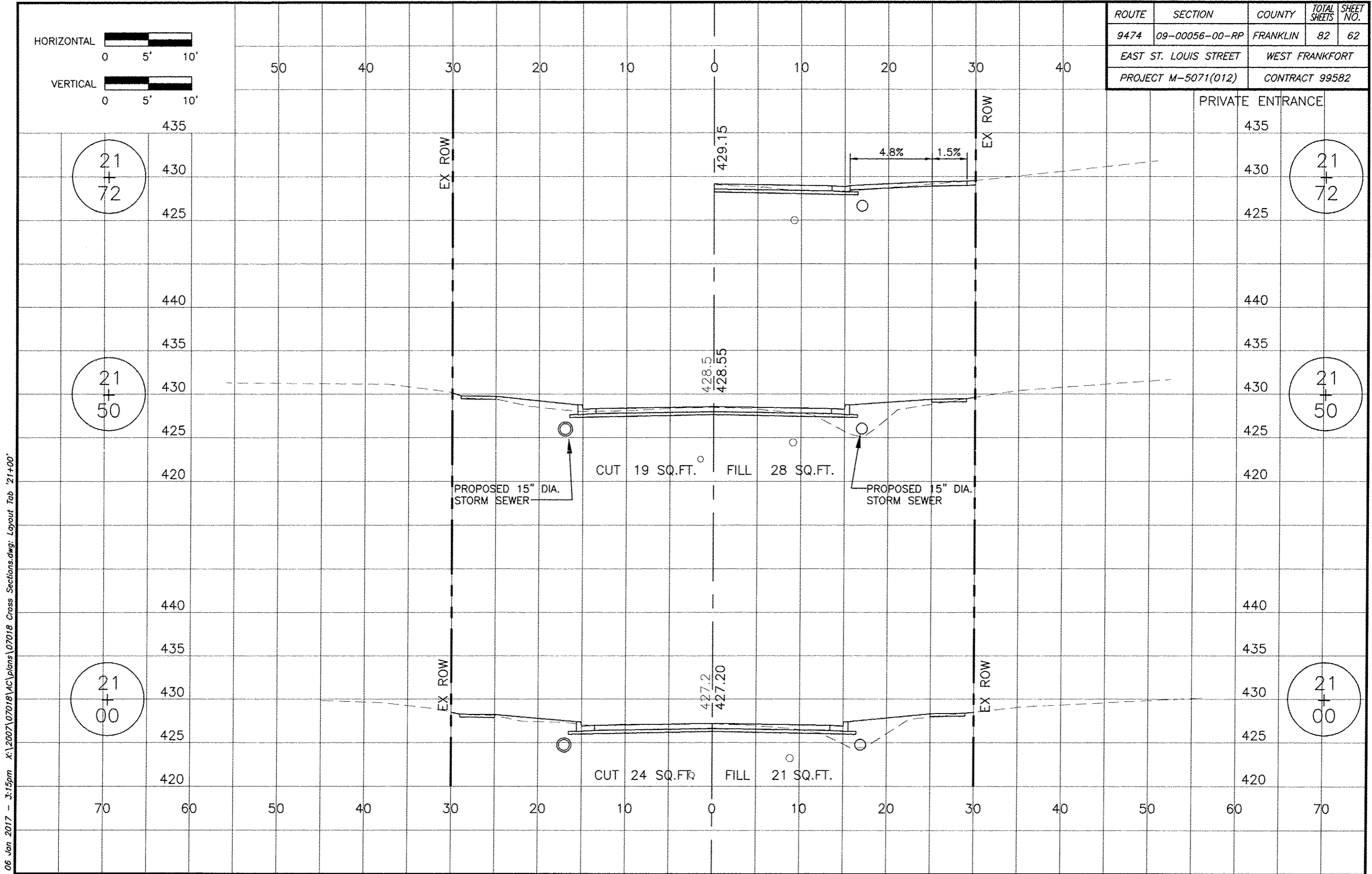
06 Jan 2017 - 3:15pm X:\2007\07018\AC\plans\07018 Cross Sections.dwg: Layout Tab '20+50'



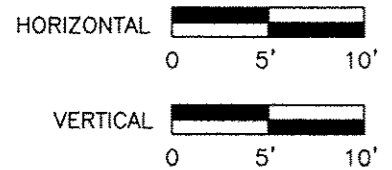
DORRIS STREET INTERSECTION



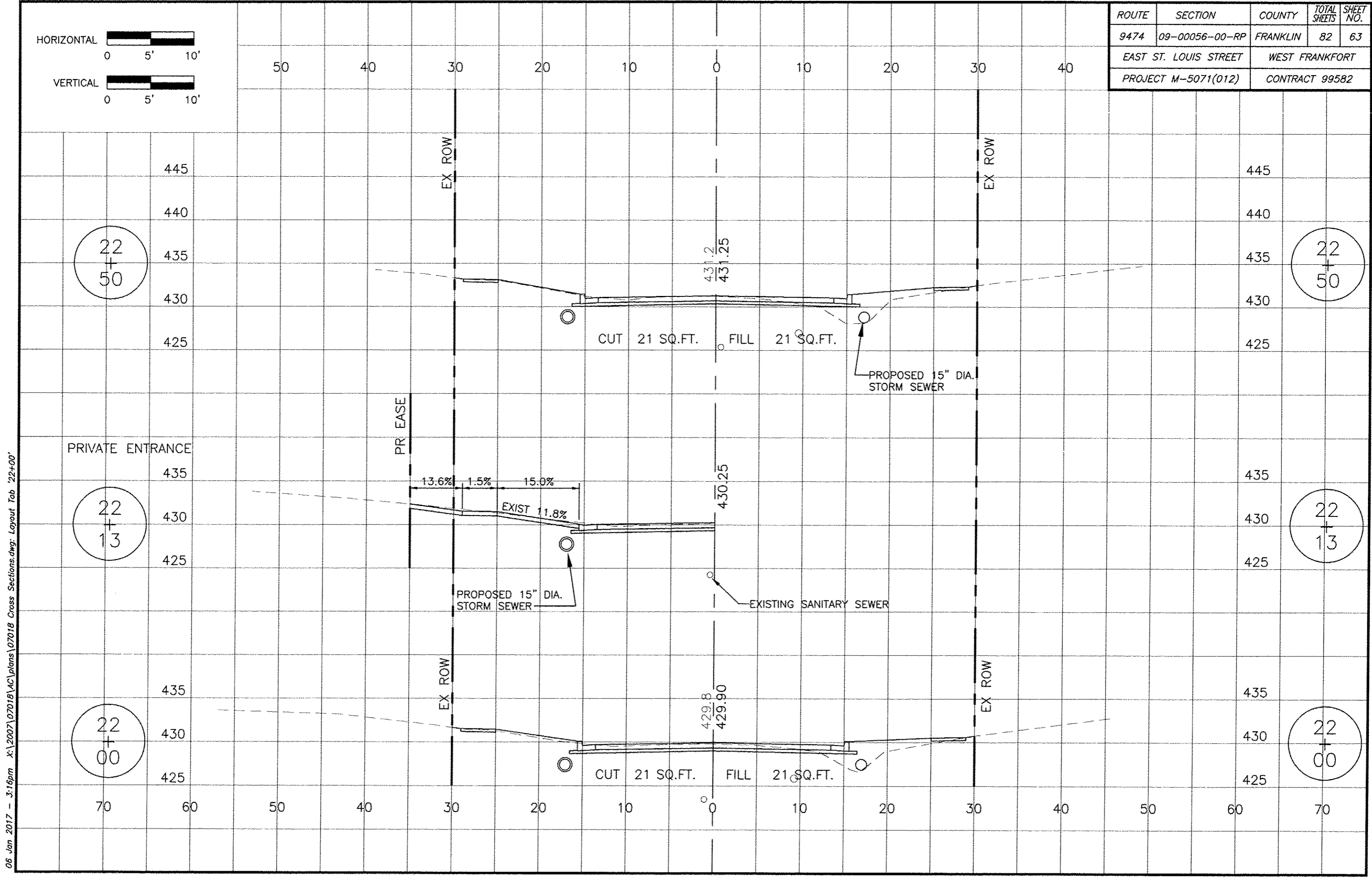
ROUTE	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
9474	09-00056-00-RP	FRANKLIN	82	62
EAST ST. LOUIS STREET		WEST FRANKFORT		
PROJECT M-5071(012)		CONTRACT 99582		



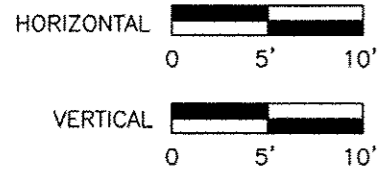
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ROUTE	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
9474	09-00056-00-RP	FRANKLIN	82	63
EAST ST. LOUIS STREET		WEST FRANKFORT		
PROJECT M-5071(012)		CONTRACT 99582		

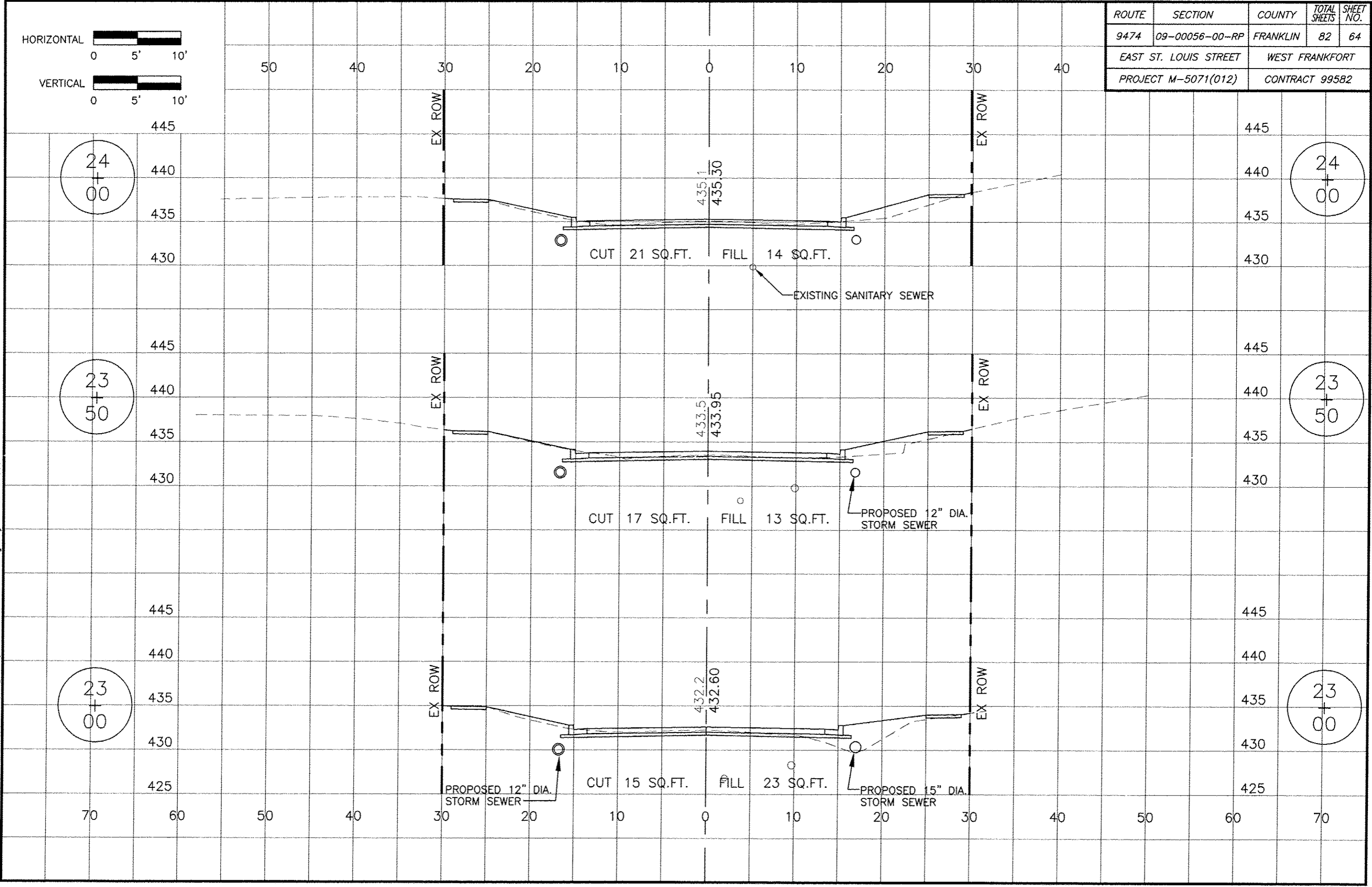


06 Jan 2017 - 3:16pm X:\2007\07018\AC\plans\07018 Cross Sections.dwg: Layout Tab '22+00'

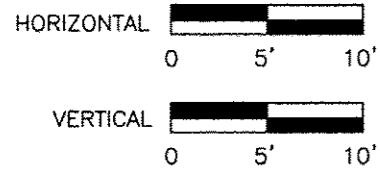


ROUTE	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
9474	09-00056-00-RP	FRANKLIN	82	64
EAST ST. LOUIS STREET		WEST FRANKFORT		
PROJECT M-5071(012)		CONTRACT 99582		

06 Jan 2017 - 3:16pm X:\2007\07018\AC\plans\07018 Cross Sections.dwg: Layout Tab '23+00'

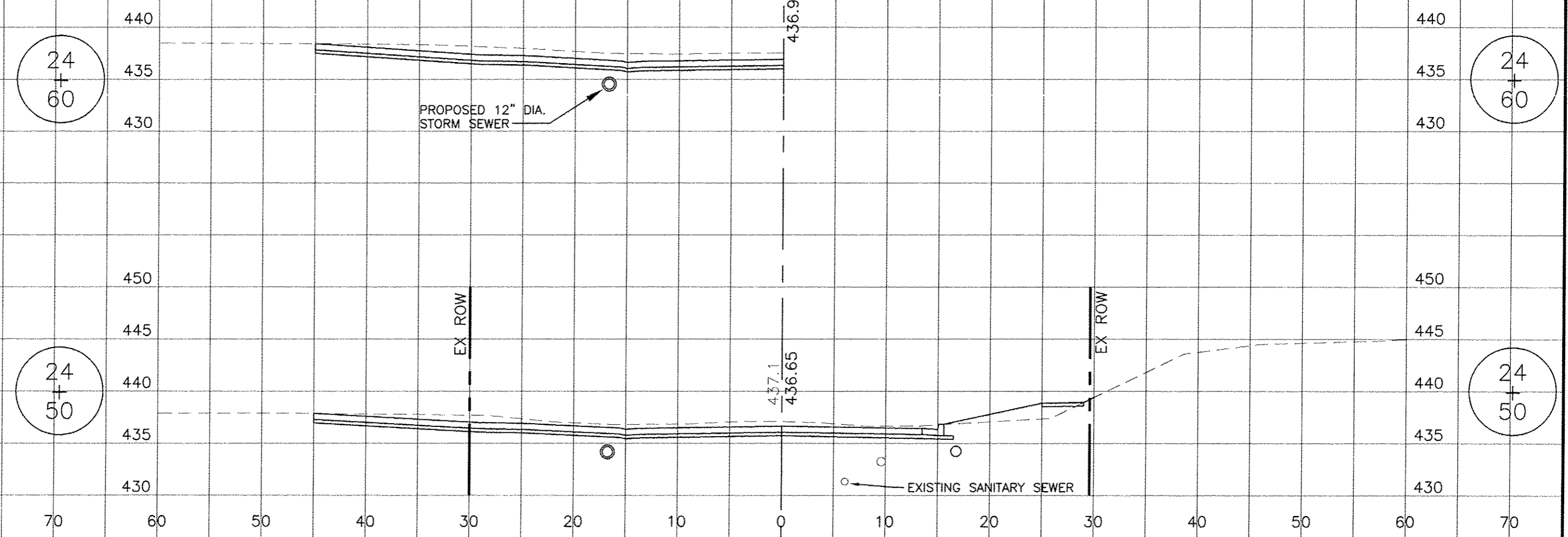






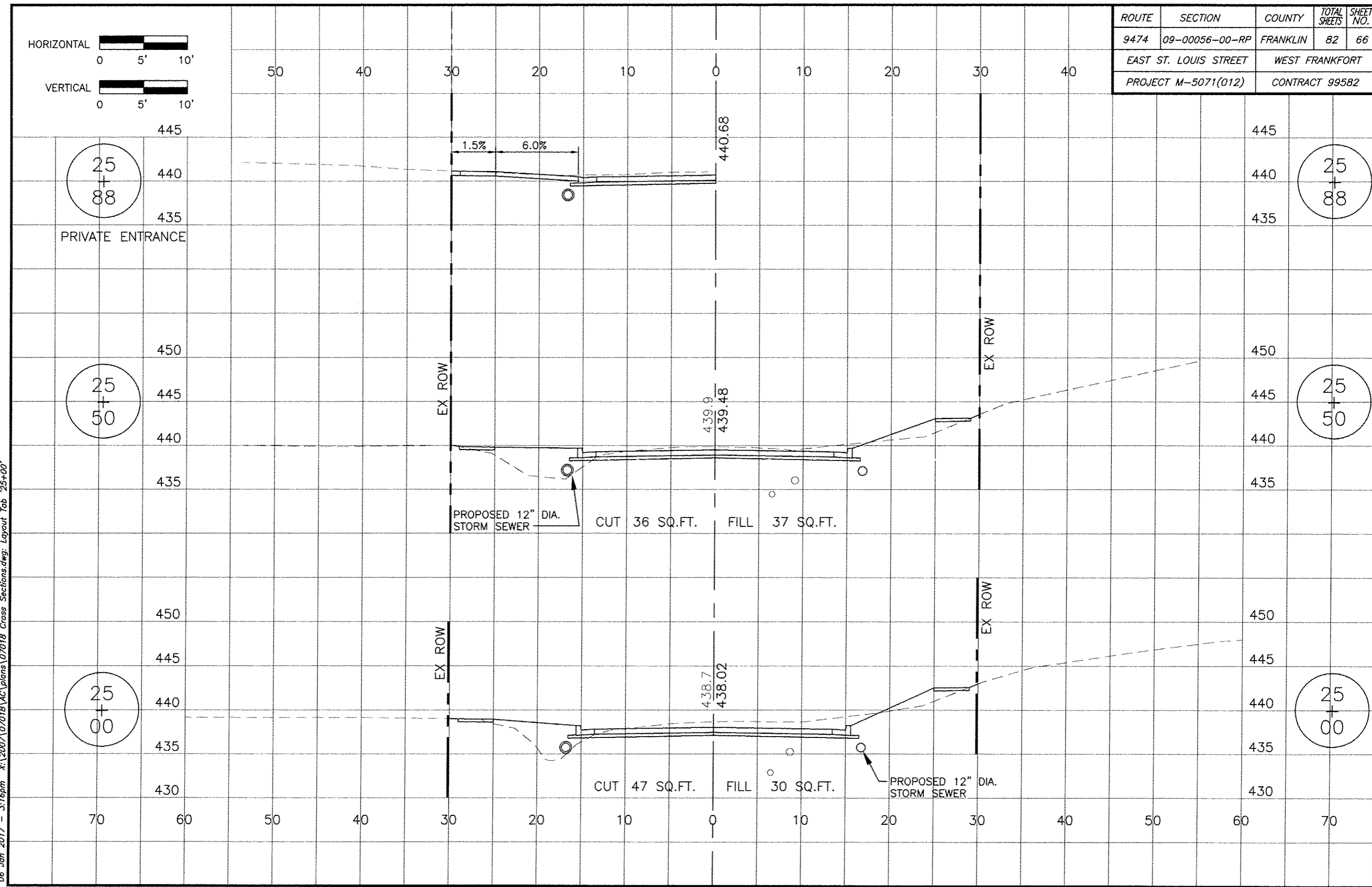
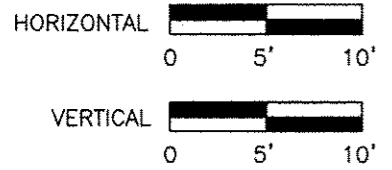
ROUTE	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
9474	09-00056-00-RP	FRANKLIN	82	65
EAST ST. LOUIS STREET		WEST FRANKFORT		
PROJECT M-5071(012)		CONTRACT 99582		

RAINS STREET INTERSECTION



06 Jan 2017 - 3:16pm X:\2007\07018\AC\plans\07018 Cross Sections.dwg: Layout Tab '24+50'

ROUTE	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
9474	09-00056-00-RP	FRANKLIN	82	66
EAST ST. LOUIS STREET		WEST FRANKFORT		
PROJECT M-5071(012)		CONTRACT 99582		



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25  
+  
88

PRIVATE ENTRANCE

25  
+  
50

25  
+  
00

25  
+  
88

25  
+  
50

25  
+  
00

EX ROW

EX ROW

EX ROW

EX ROW

PROPOSED 12" DIA. STORM SEWER

CUT 36 SQ.FT. FILL 37 SQ.FT.

PROPOSED 12" DIA. STORM SEWER

CUT 47 SQ.FT. FILL 30 SQ.FT.

440.68

439.9  
439.48

438.7  
438.02

445

440

435

450

445

440

435

450

445

440

435

430

445

440

435

450

445

440

435

450

445

440

435

430

70

60

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10

20

30

40

50

60

70

50

40

30

20

10

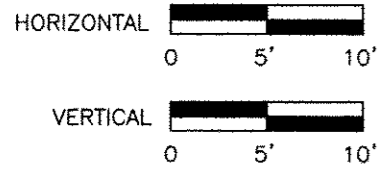
0

10

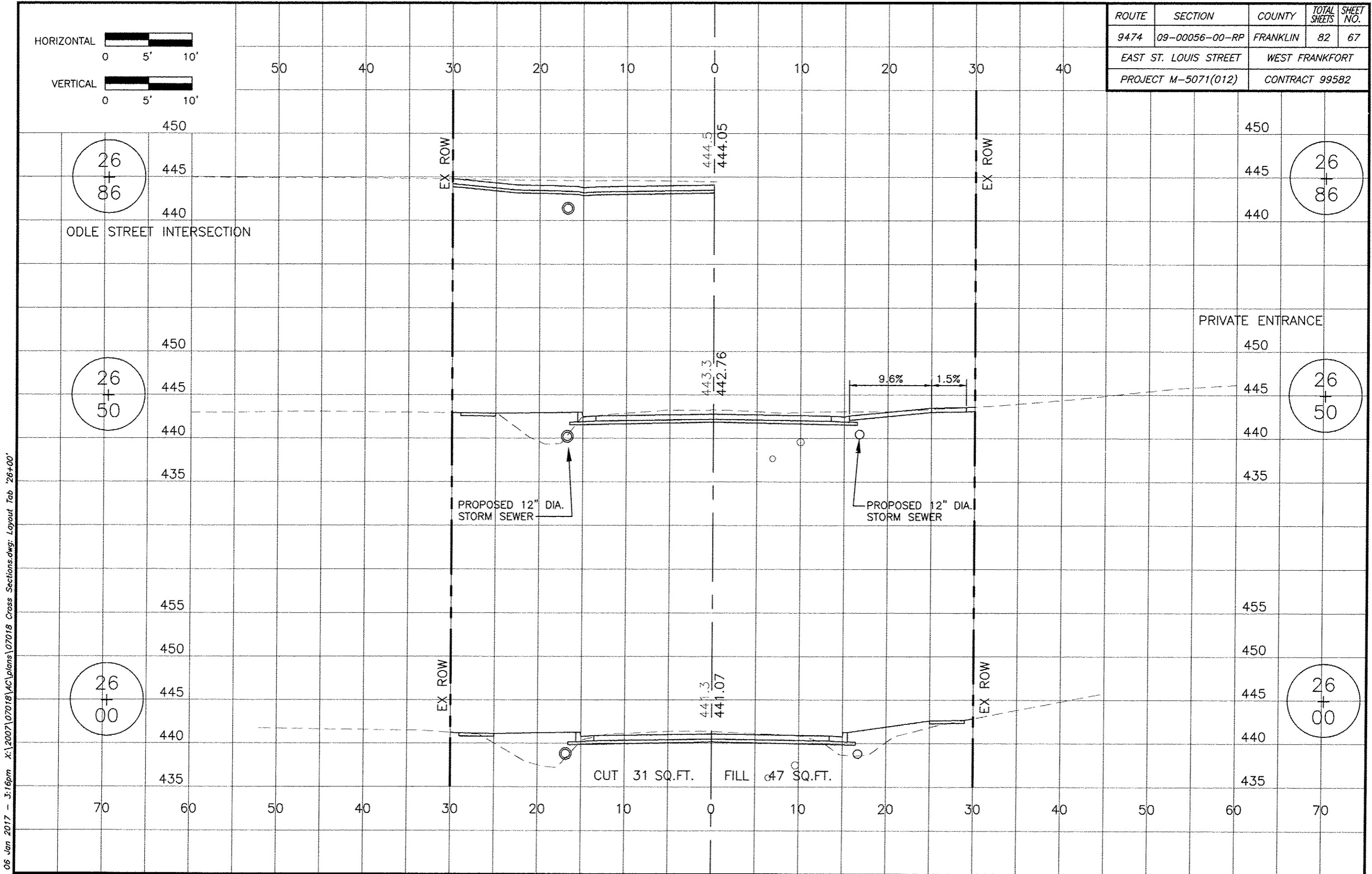
20

30

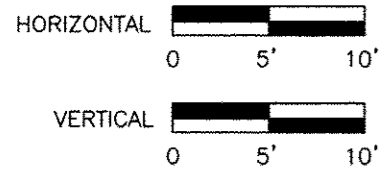
40



ROUTE	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
9474	09-00056-00-RP	FRANKLIN	82	67
EAST ST. LOUIS STREET		WEST FRANKFORT		
PROJECT M-5071(012)		CONTRACT 99582		

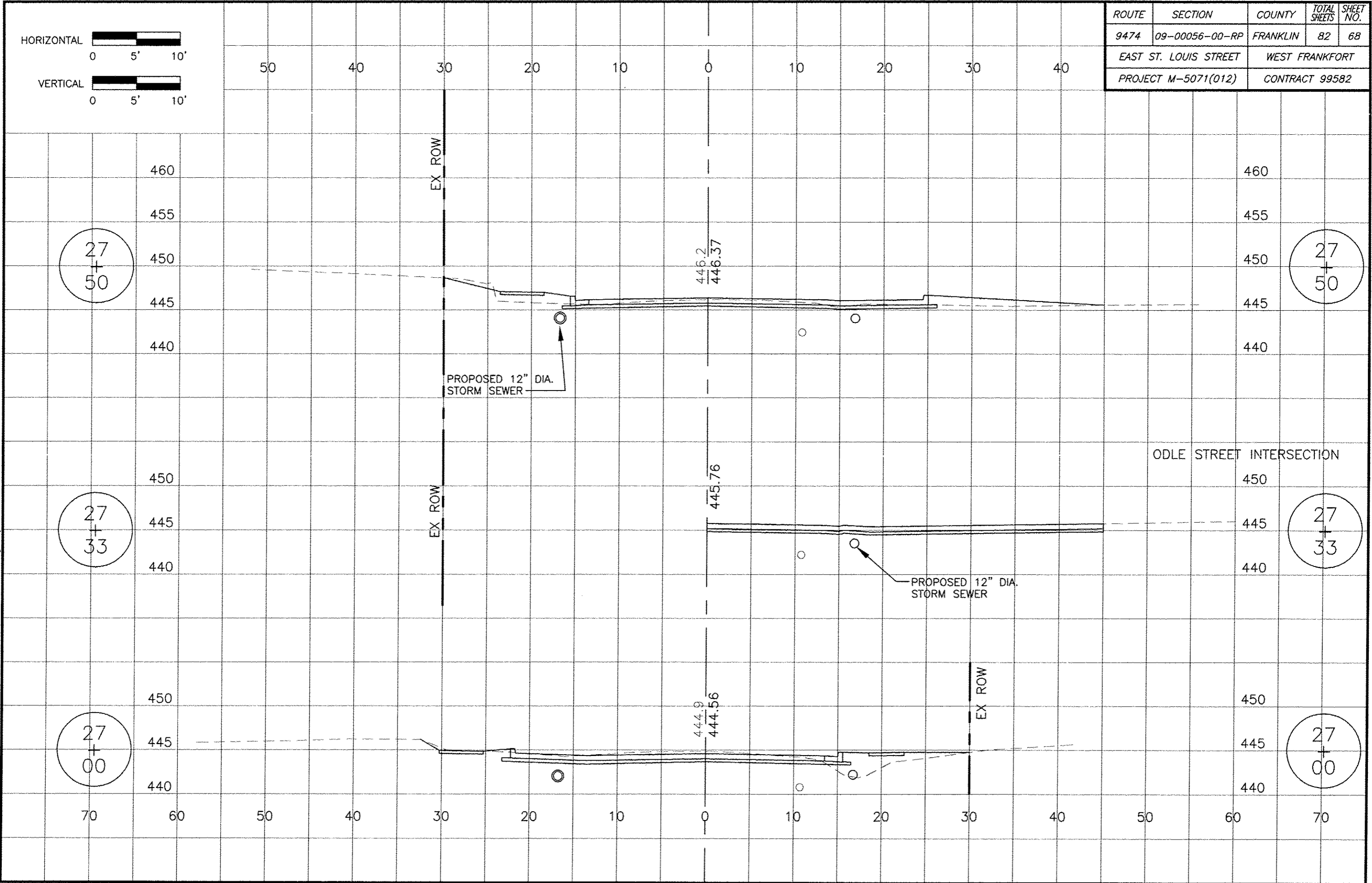


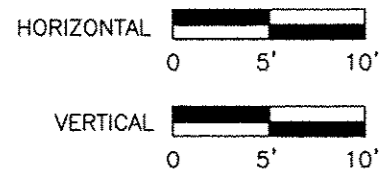
06 Jan 2017 - 3:16pm X:\2007\07018\AC\plans\07018\_Cross Sections.dwg: Layout Tab '26+00'



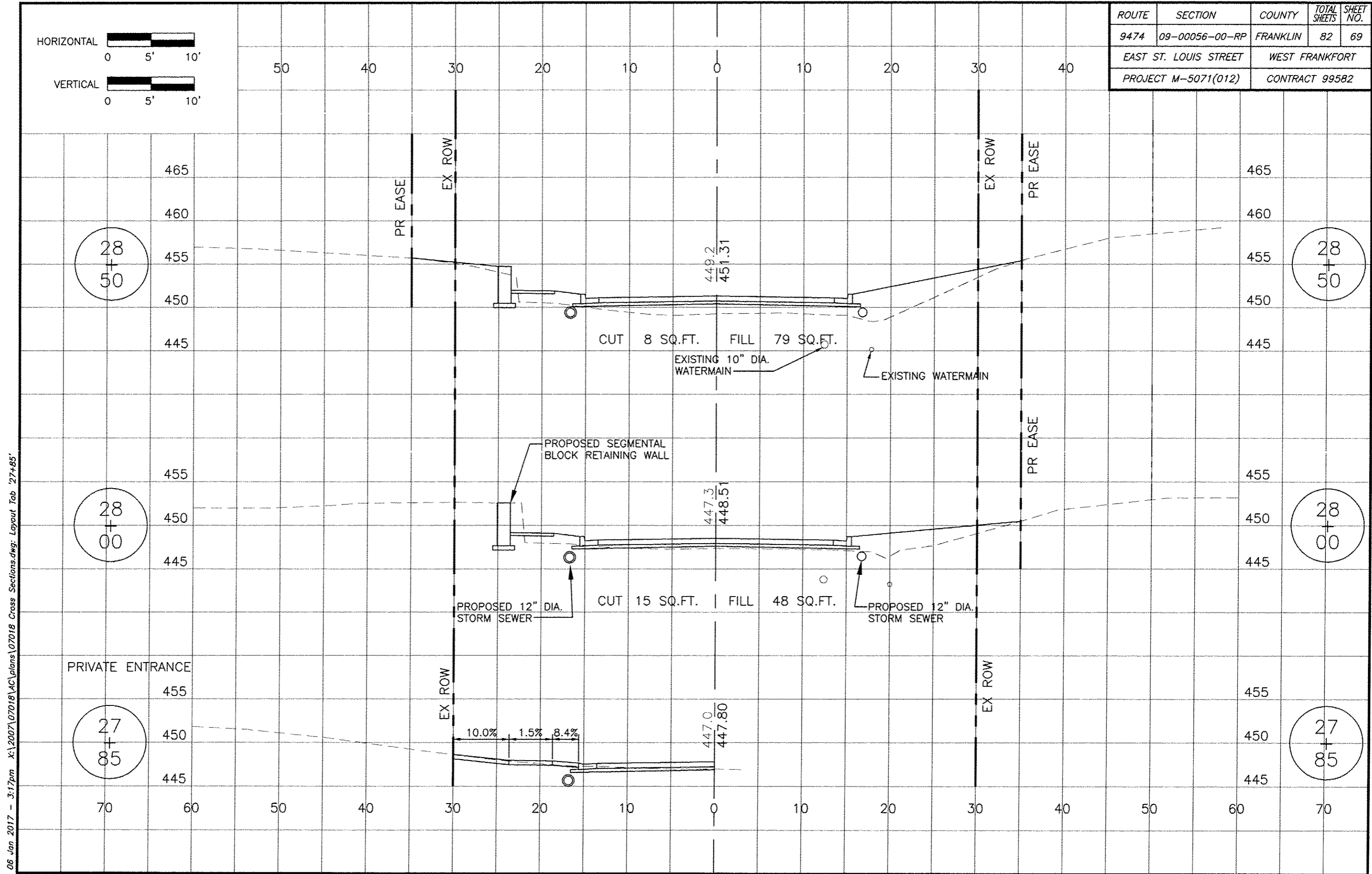
ROUTE	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
9474	09-00056-00-RP	FRANKLIN	82	68
EAST ST. LOUIS STREET		WEST FRANKFORT		
PROJECT M-5071(012)		CONTRACT 99582		

06 Jan 2017 - 3:16pm X:\2007\07018\AC\plans\07018 Cross Sections.dwg: Layout Tab '27+00'

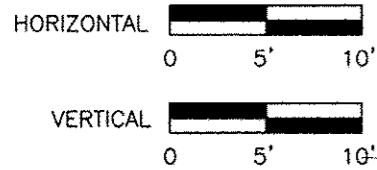




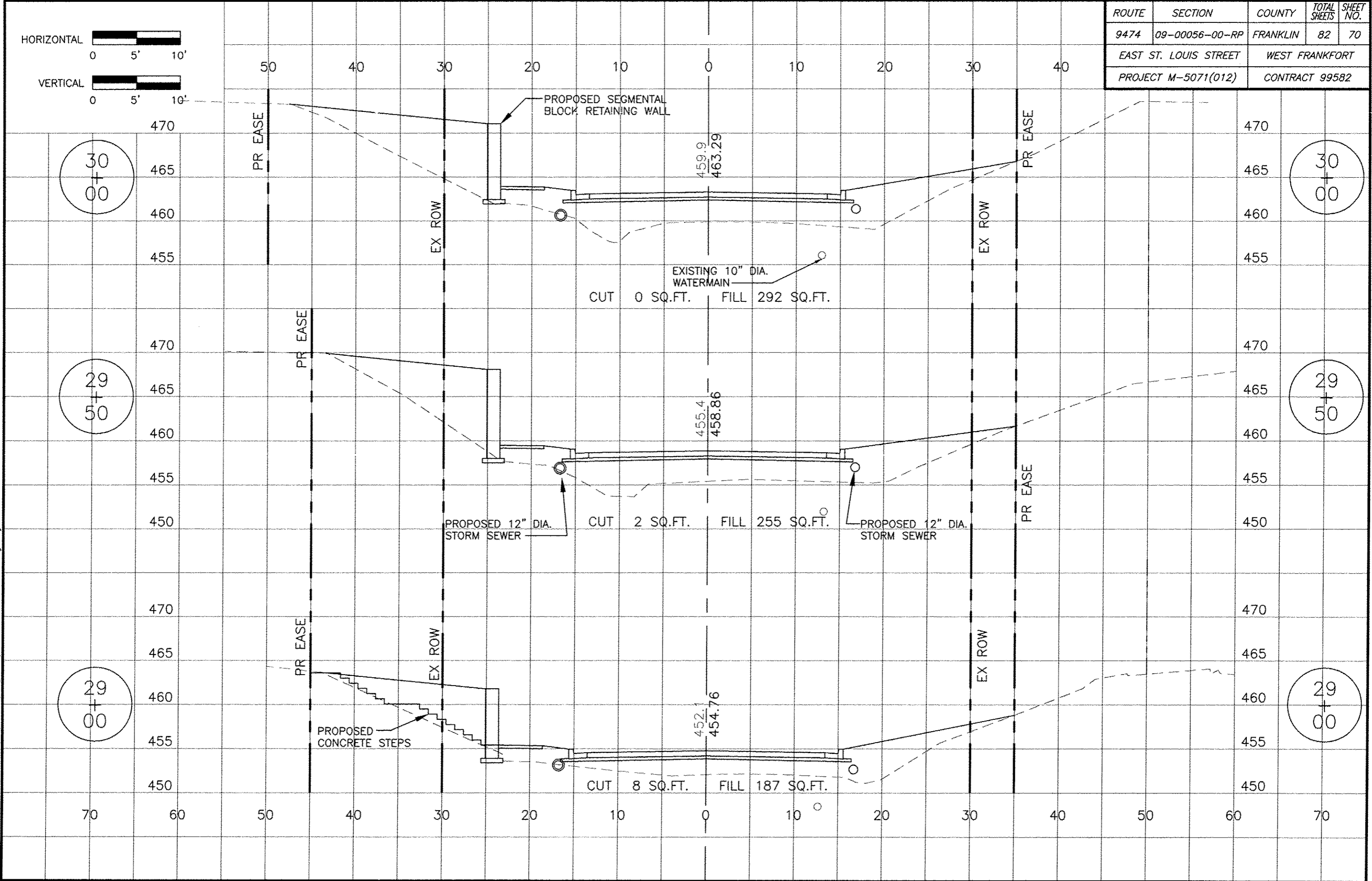
ROUTE	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
9474	09-00056-00-RP	FRANKLIN	82	69
EAST ST. LOUIS STREET		WEST FRANKFORT		
PROJECT M-5071(012)		CONTRACT 99582		



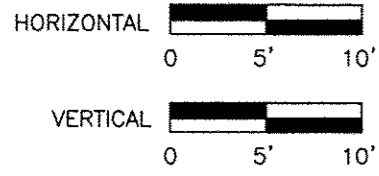
06 Jan 2017 - 3:17pm X:\2007\07018\AC\plans\07018 Cross Sections.dwg: Layout Tab '27+85'



ROUTE	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
9474	09-00056-00-RP	FRANKLIN	82	70
EAST ST. LOUIS STREET		WEST FRANKFORT		
PROJECT M-5071(012)		CONTRACT 99582		

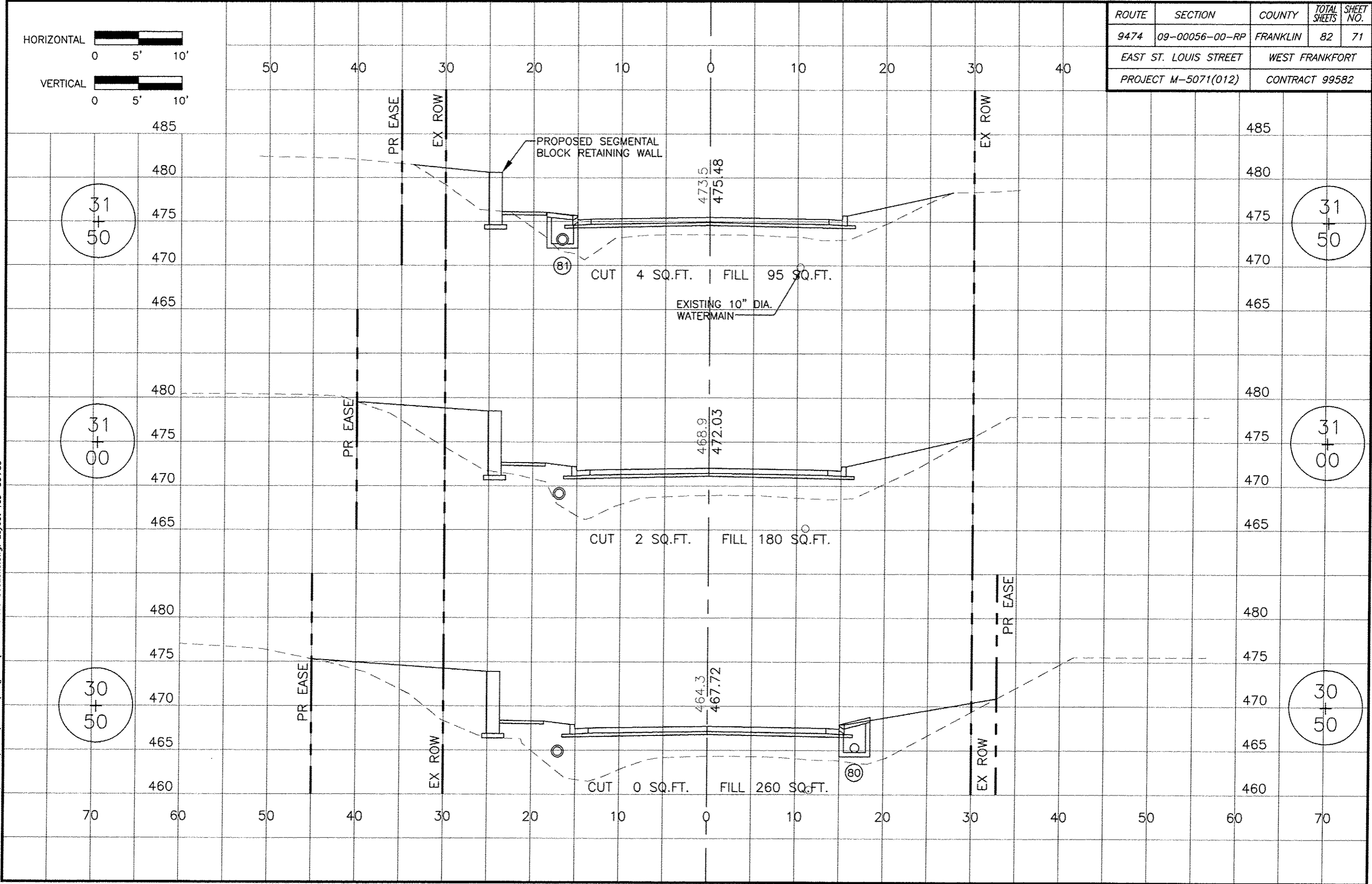


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ROUTE	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
9474	09-00056-00-RP	FRANKLIN	82	71
EAST ST. LOUIS STREET		WEST FRANKFORT		
PROJECT M-5071(012)		CONTRACT 99582		

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31  
+  
50

31  
+  
50

31  
+  
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31  
+  
00

30  
+  
50

30  
+  
50

PROPOSED SEGMENTAL  
BLOCK RETAINING WALL

EXISTING 10" DIA.  
WATERMAIN

CUT 4 SQ.FT. | FILL 95 SQ.FT.

CUT 2 SQ.FT. | FILL 180 SQ.FT.

CUT 0 SQ.FT. | FILL 260 SQ.FT.

473.5  
475.48

468.9  
472.03

464.3  
467.72

(B1)

(B0)

PR EASE

EX ROW

EX ROW

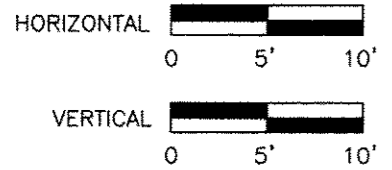
PR EASE

PR EASE

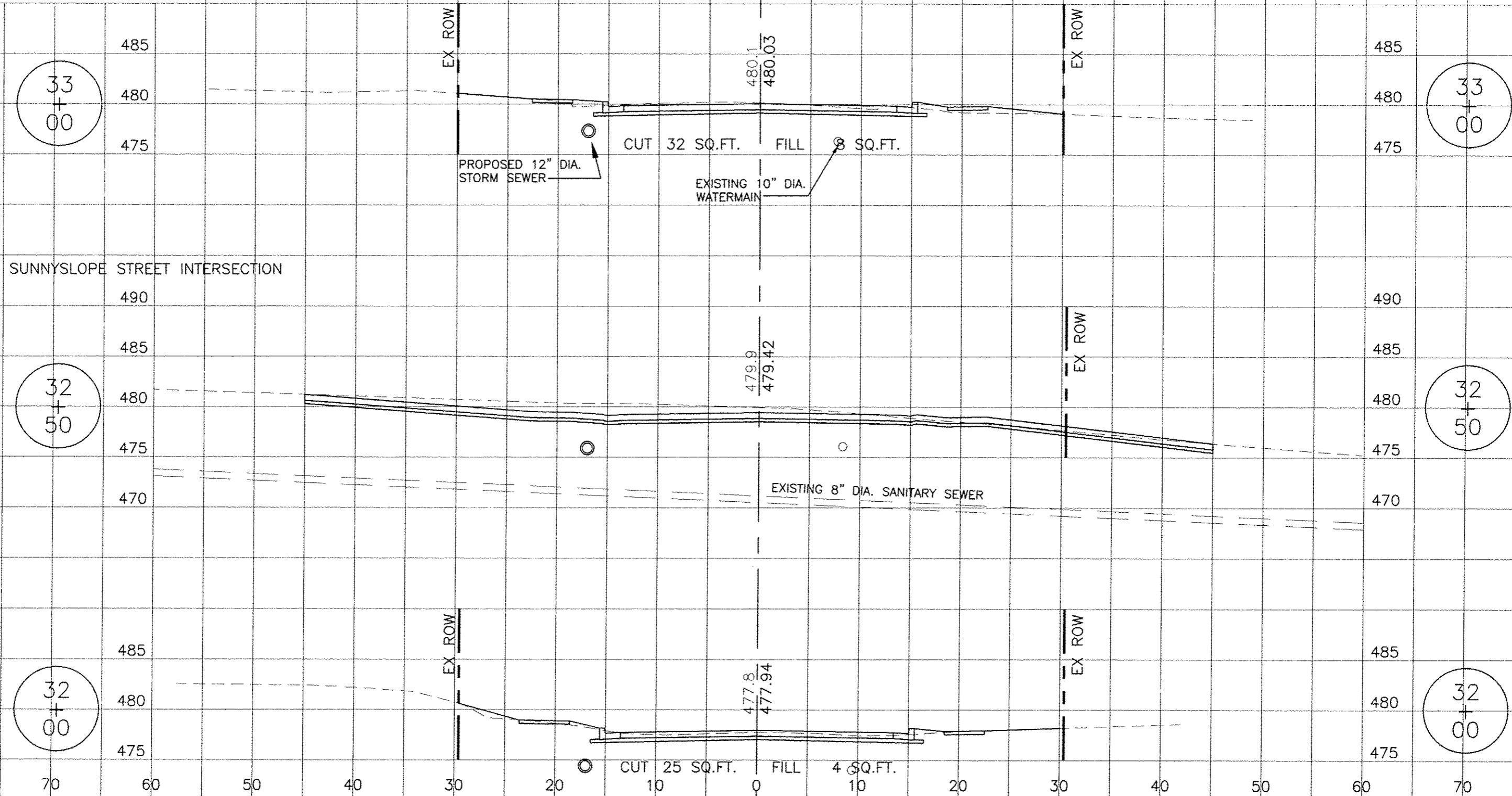
EX ROW

PR EASE

EX ROW

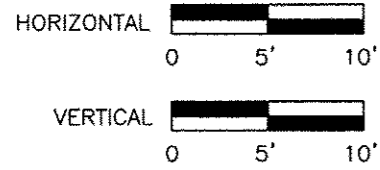


ROUTE	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
9474	09-00056-00-RP	FRANKLIN	82	72
EAST ST. LOUIS STREET		WEST FRANKFORT		
PROJECT M-5071(012)		CONTRACT 99582		



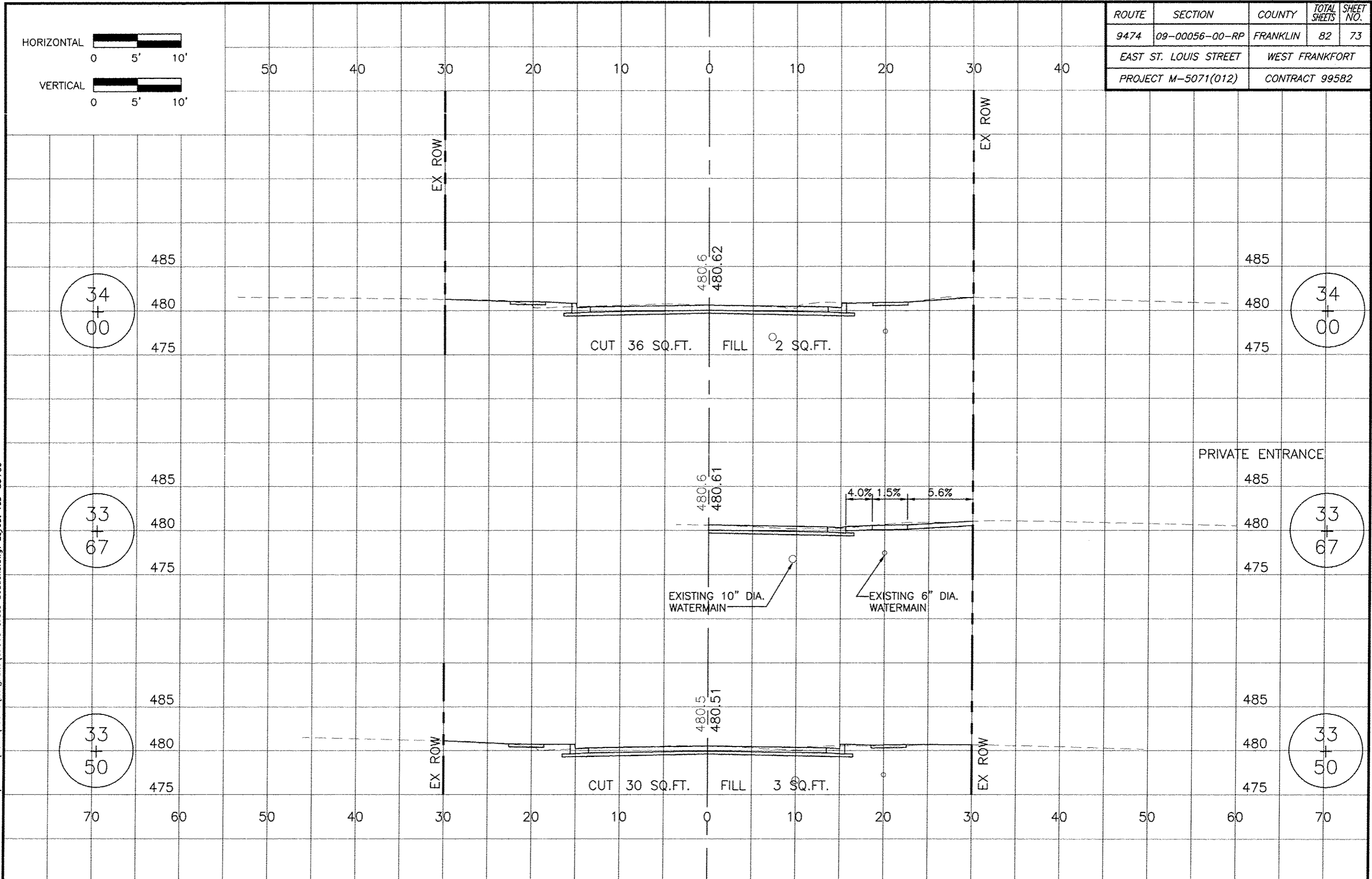
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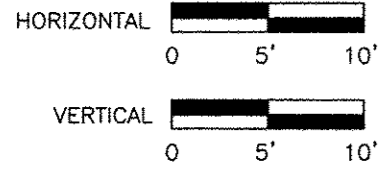




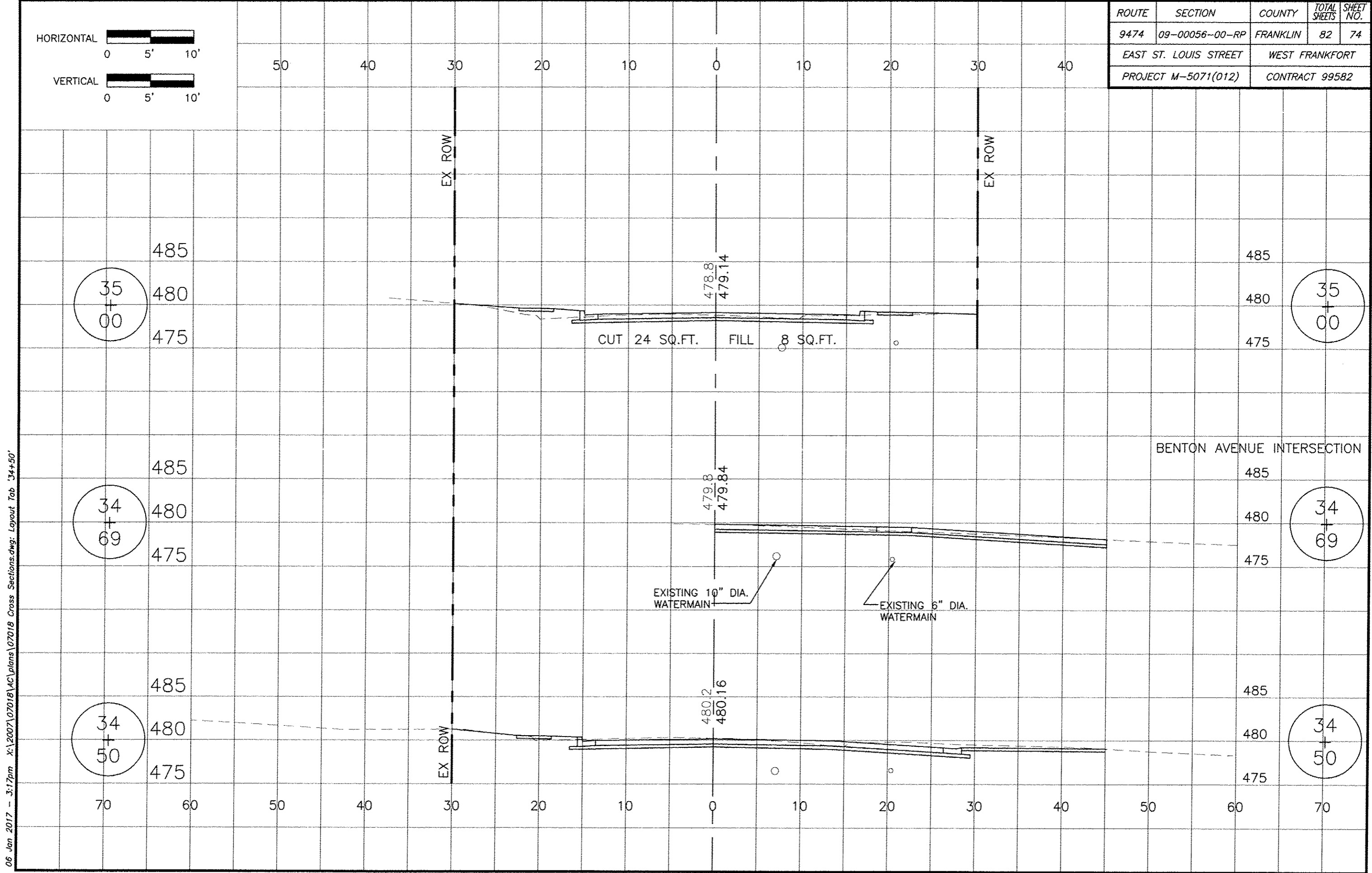
ROUTE	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
9474	09-00056-00-RP	FRANKLIN	82	73
EAST ST. LOUIS STREET		WEST FRANKFORT		
PROJECT M-5071(012)		CONTRACT 99582		

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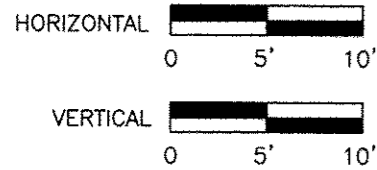




ROUTE	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
9474	09-00056-00-RP	FRANKLIN	82	74
EAST ST. LOUIS STREET		WEST FRANKFORT		
PROJECT M-5071(012)		CONTRACT 99582		

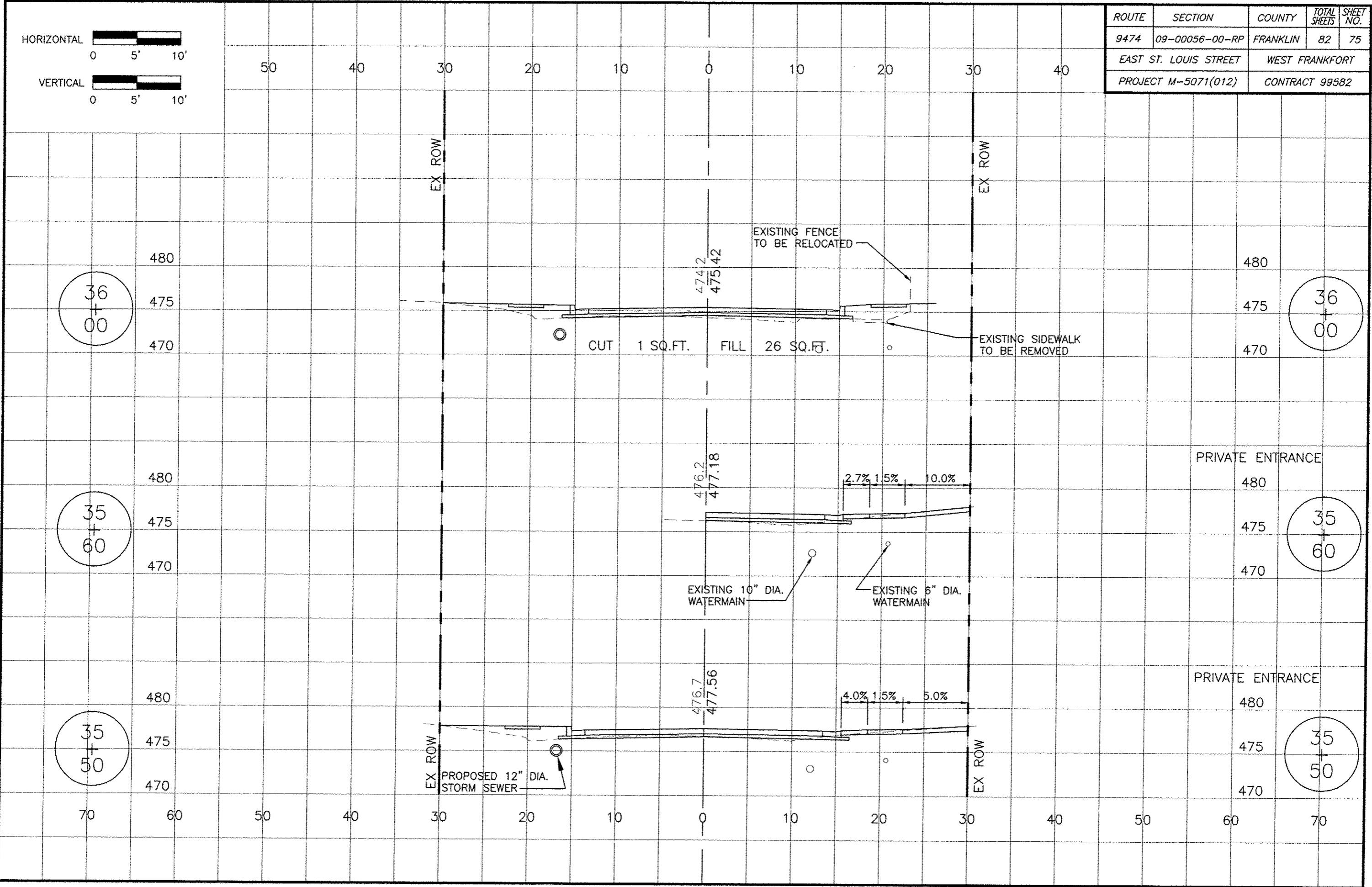


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ROUTE	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
9474	09-00056-00-RP	FRANKLIN	82	75
EAST ST. LOUIS STREET		WEST FRANKFORT		
PROJECT M-5071(012)		CONTRACT 99582		

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36  
+  
00

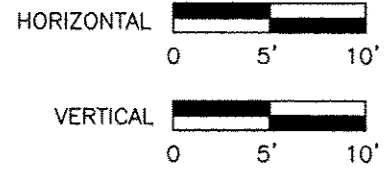
36  
+  
00

35  
+  
60

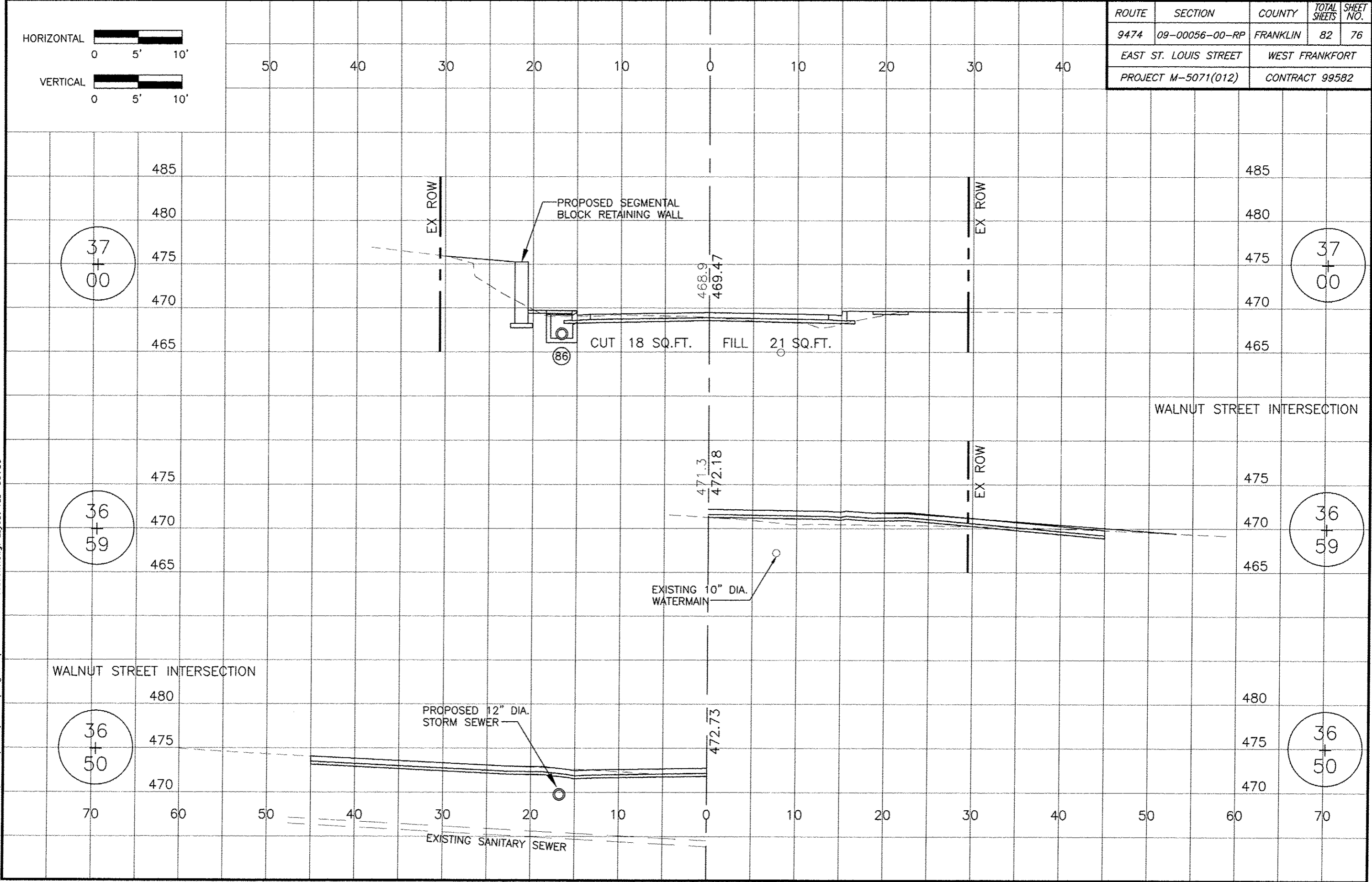
35  
+  
60

35  
+  
50

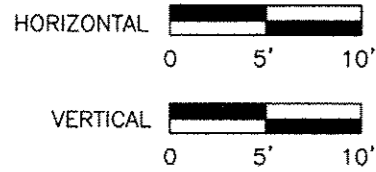
35  
+  
50



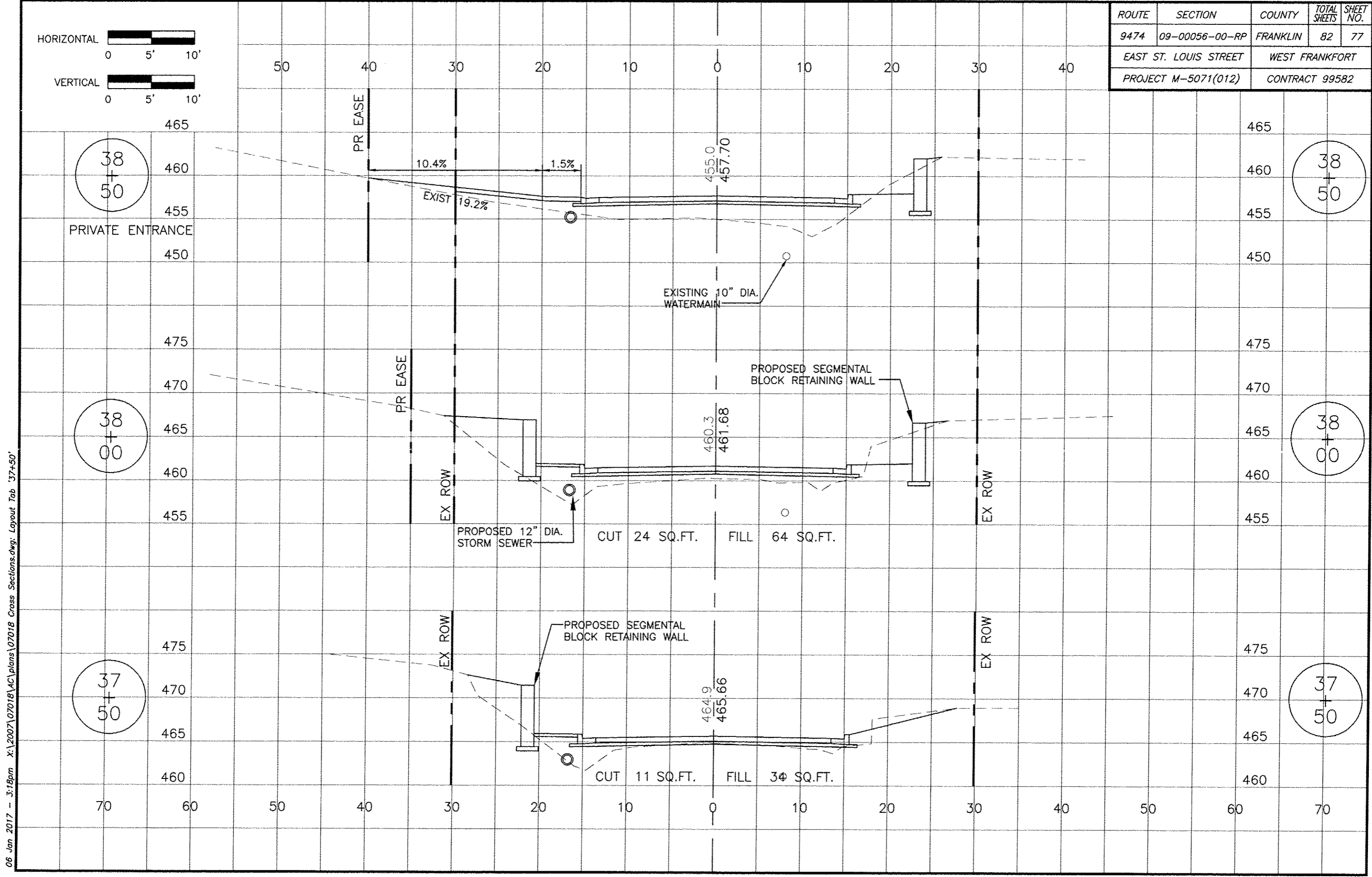
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9474	09-00056-00-RP	FRANKLIN	82	76
EAST ST. LOUIS STREET		WEST FRANKFORT		
PROJECT M-5071(012)		CONTRACT 99582		



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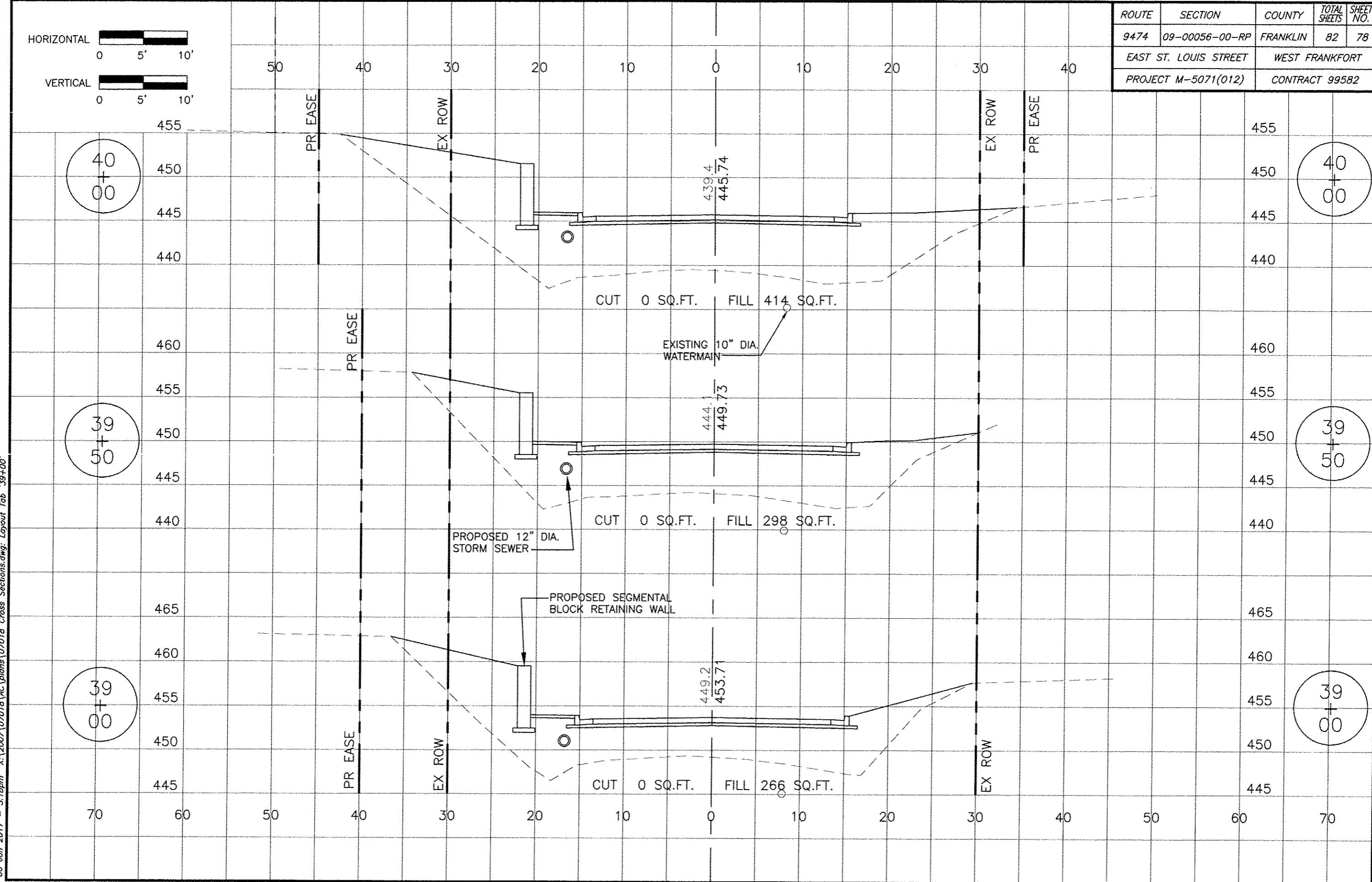
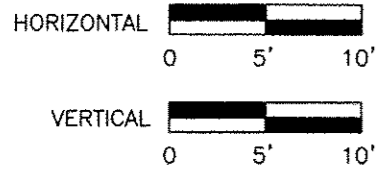


ROUTE	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
9474	09-00056-00-RP	FRANKLIN	82	77
EAST ST. LOUIS STREET		WEST FRANKFORT		
PROJECT M-5071(012)		CONTRACT 99582		

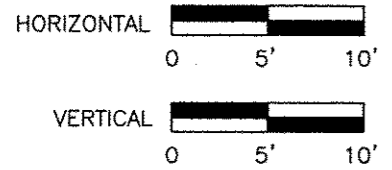


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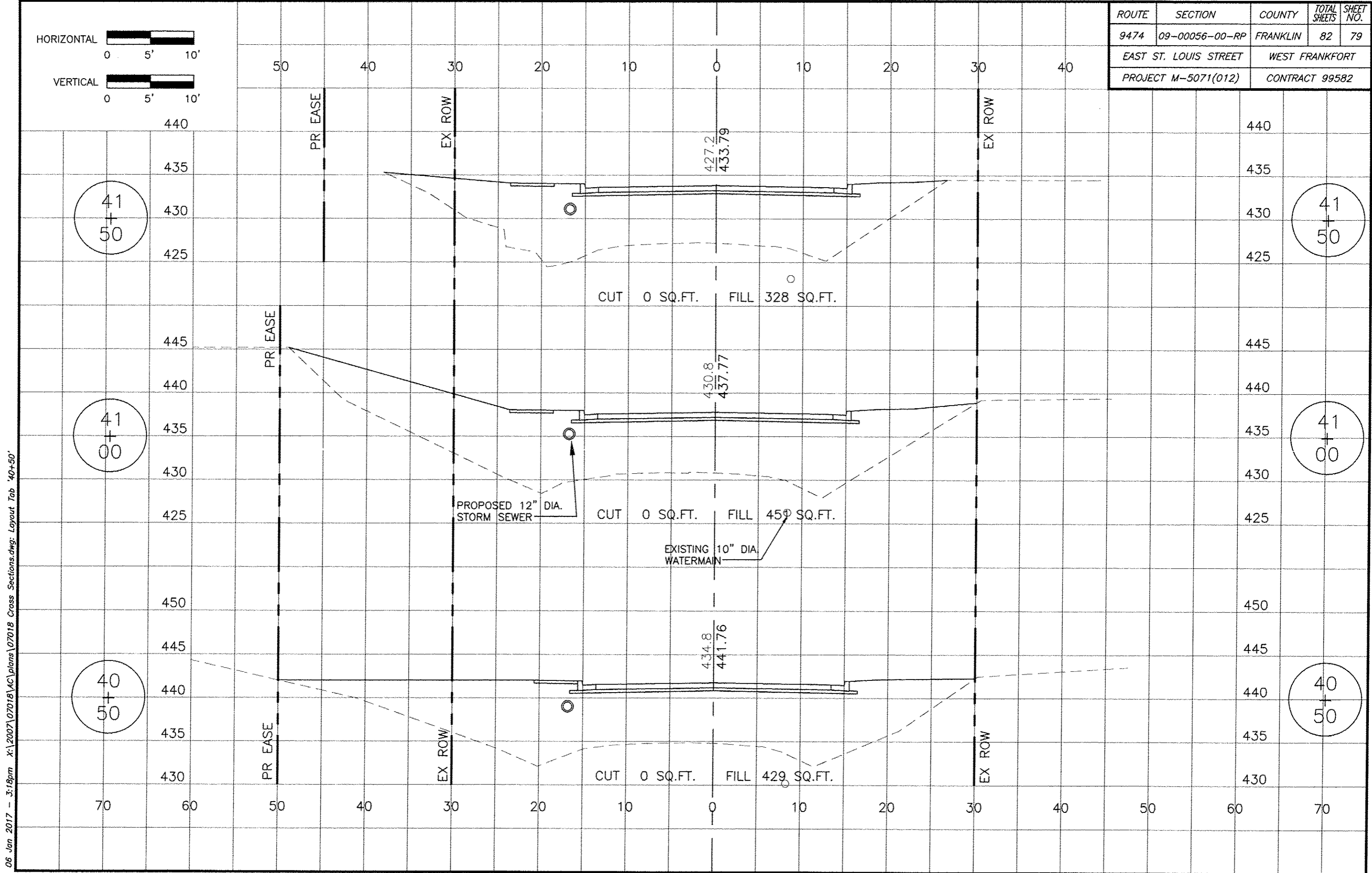
ROUTE	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
9474	09-00056-00-RP	FRANKLIN	82	78
EAST ST. LOUIS STREET		WEST FRANKFORT		
PROJECT M-5071(012)		CONTRACT 99582		



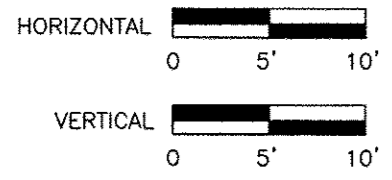
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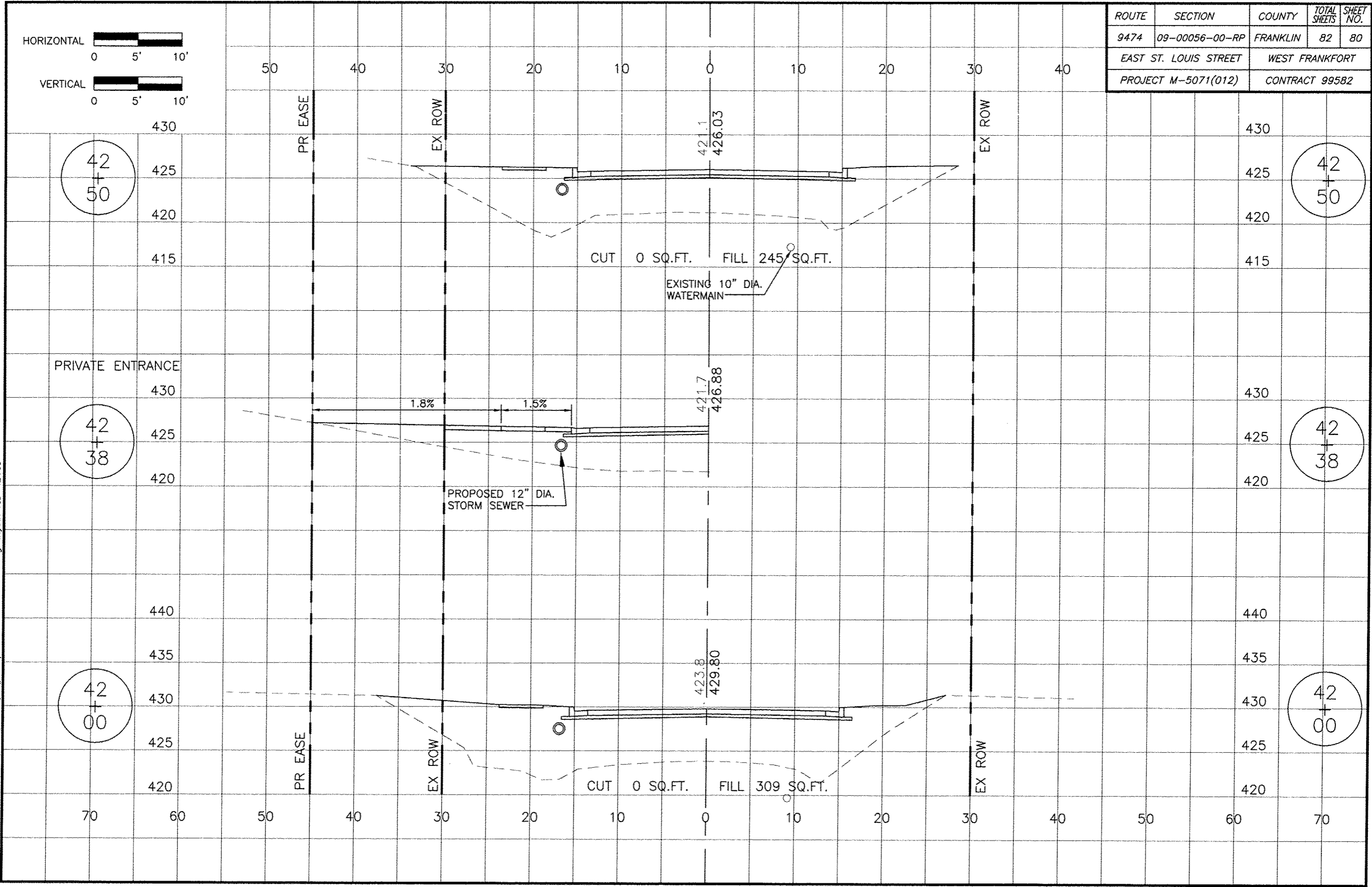
ROUTE	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
9474	09-00056-00-RP	FRANKLIN	82	79
EAST ST. LOUIS STREET		WEST FRANKFORT		
PROJECT M-5071(012)		CONTRACT 99582		



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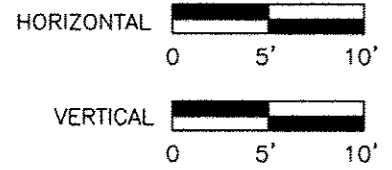


ROUTE	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
9474	09-00056-00-RP	FRANKLIN	82	80
EAST ST. LOUIS STREET		WEST FRANKFORT		
PROJECT M-5071(012)		CONTRACT 99582		

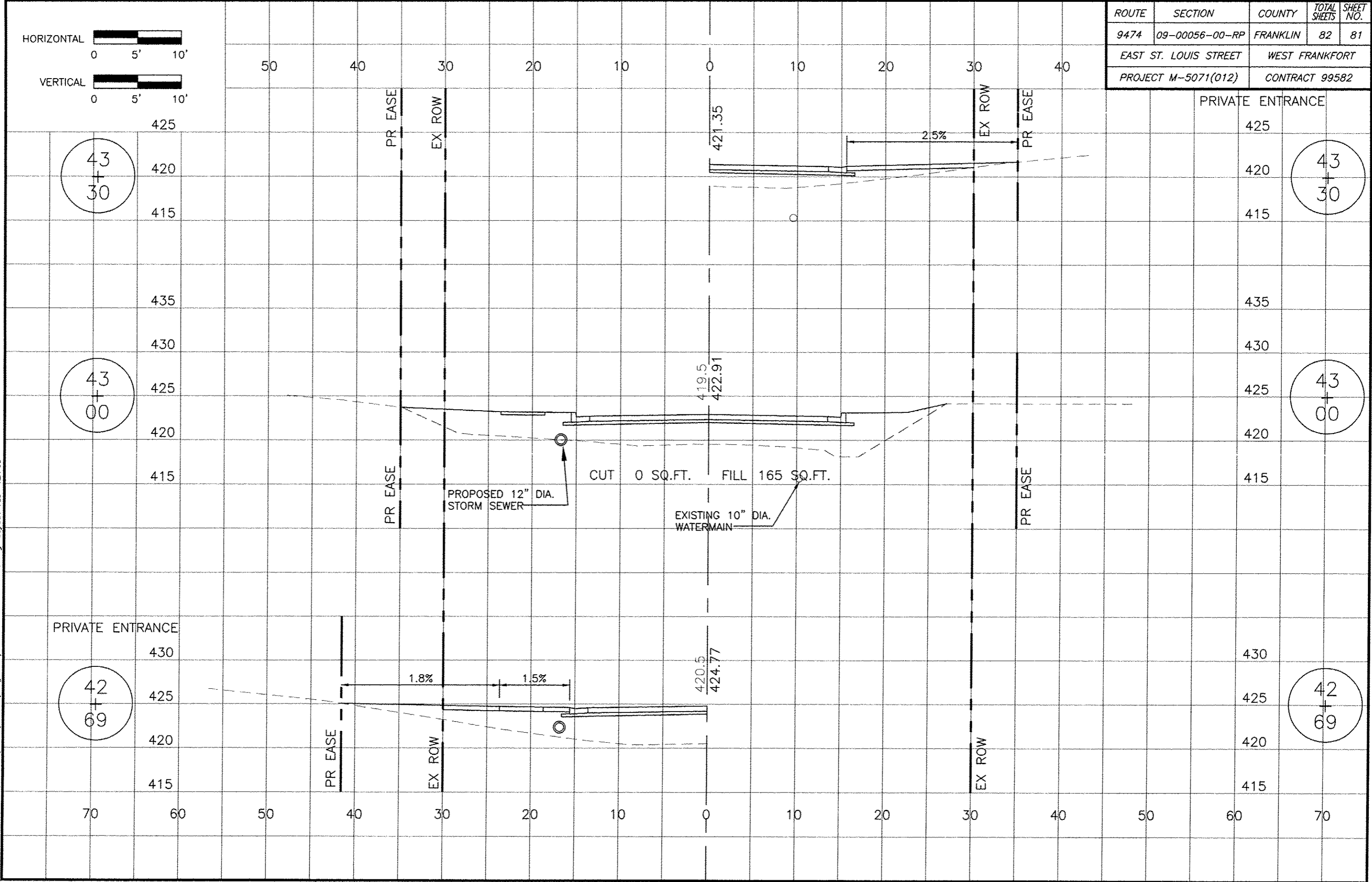


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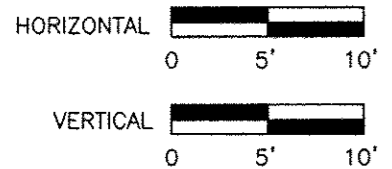


ROUTE	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
9474	09-00056-00-RP	FRANKLIN	82	81
EAST ST. LOUIS STREET		WEST FRANKFORT		
PROJECT M-5071(012)		CONTRACT 99582		



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ROUTE	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
9474	09-00056-00-RP	FRANKLIN	82	82
EAST ST. LOUIS STREET		WEST FRANKFORT		
PROJECT M-5071(012)		CONTRACT 99582		

