4-23-10 LETTING ITEM 253

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
55	84-1-2WS	SANGAMON	36	1
	ILLINOIS	CONTRACT NO. 72D58		

36+2 = 38

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION
DIVISION OF HIGHWAYS

PROPOSED HIGHWAY PLANS
WILLIAMSVILLE WEIGH STATION
GRADING AND PAVING CONTRACT

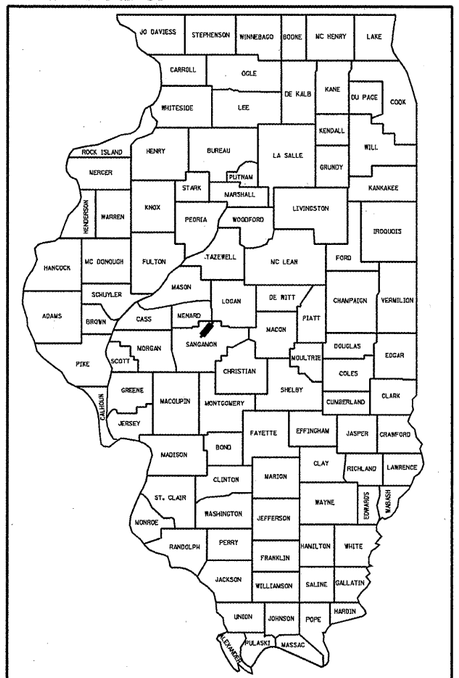
FAI ROUTE 55 (I–55)
SECTION 84–1–2WS–4

SANGAMON COUNTY

C–96–189–10

FOR INDEX OF SHEETS, SEE SHEET NO. 2

D–96–542–00

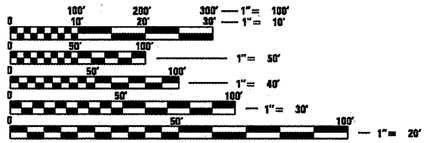


LOCATION OF SECTION INDICATED THUS: –

DESIGN DESIGNATION

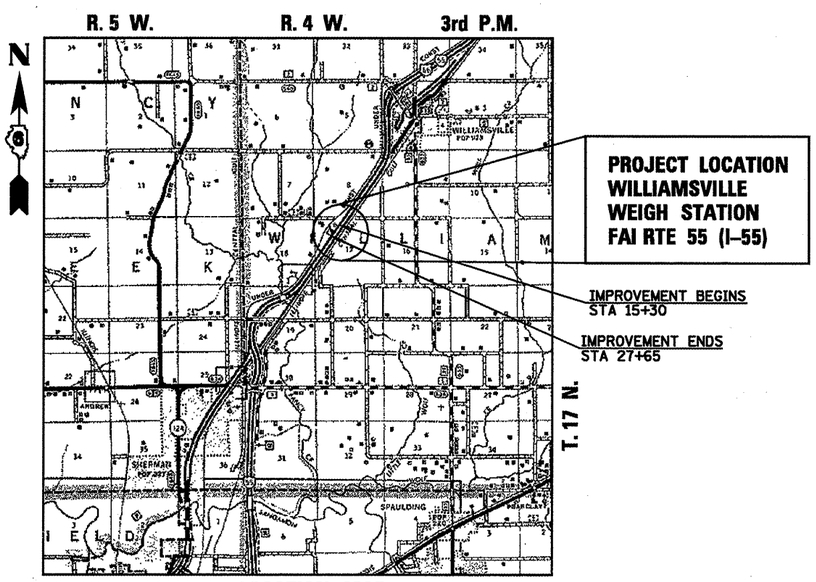
	1992 ADT	ADT	TRUCK %
WEIGH STATION	2,480		95%

SURVEY BOOK NUMBERS
FARNSWORTH GROUP BOOK #2502
IDOT BOOK * 174 & 175



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

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



PROJECT LOCATION
WILLIAMSVILLE
WEIGH STATION
FAI RTE 55 (I–55)

IMPROVEMENT BEGINS
STA 15+30

IMPROVEMENT ENDS
STA 27+65

LOCATION MAP

4 3 2 1 0 1 2 3 4 MILES
APPROXIMATE SCALE

GROSS LENGTH = 1,235 FT. = 0.234 MILE
NET LENGTH = 1,235 FT. = 0.234 MILE

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION
DIVISION OF HIGHWAYS

SUBMITTED Feb 23 2010
Roy Z Dan /JW
DEPUTY DIRECTOR OF HIGHWAYS, REGION ENGINEER
March 19 2010
Scott E. Stitt PE /BL
ACTING ENGINEER OF DESIGN AND ENVIRONMENT
March 19 2010
Christine M. Reed /BL
DIRECTOR OF HIGHWAYS, CHIEF ENGINEER

PRINTED BY THE AUTHORITY OF THE STATE OF ILLINOIS

Farnsworth GROUP
2709 McGraw Drive
Bloomington, Illinois 61704
309/663-8435, 309/663-1571 fax

PROJECT ENGINEER JOHN NEGANGARD 217-782-6990
SQUAD LEADER VINCE MADONIA 217-785-9046

CONTRACT NO. 72D58

PROJECT ENGINEER - JOHN NEGANGARD 217-782-6990
SQUAD LEADER - VINCE MADONIA 217-785-9046

DATE: 10/27/06; REVISED 02/22/10 DRR

24 6788

INDEX OF SHEETS

HIGHWAY STANDARDS

000001-05	606001-04
280001-05	642001-01
420001-07	701101-02
420106-04	701106-02
424001-05	701451-01
542301-02	701901-01
602301-02	720001-01
602401-02	720006-02
602601-02	720011-01
602701-02	780001-02
604001-03	814001-02
604006-04	836001
604036-02	

DISTRICT SIX

EXAMINED Feb 2 20 10

OPERATIONS ENGINEER

EXAMINED Feb 3 20 10

PROGRAM IMPLEMENTATION ENGINEER

EXAMINED February 2 20 10

PROGRAM DEVELOPMENT ENGINEER

GENERAL NOTES

1. WHERE SECTION OR SUBSECTION MONUMENTS ARE ENCOUNTERED, THE ENGINEER SHALL BE NOTIFIED BEFORE SUCH MONUMENTS ARE REMOVED. THE CONTRACTOR SHALL PROTECT AND CAREFULLY PRESERVE ALL PROPERTY MARKERS AND MONUMENTS UNTIL THE OWNER AND AN AUTHORIZED SURVEYOR OR AGENT HAS WITNESSED OR OTHERWISE REFERENCED THEIR LOCATION. THE CONTRACTOR WILL BE RESPONSIBLE FOR HAVING AN AUTHORIZED SURVEYOR REESTABLISH ANY SECTION OR SUBSECTION MONUMENTS DESTROYED BY HIS/HER OPERATIONS.

2. ANY REFERENCE TO A STANDARD IN THESE PLANS SHALL BE INTERPRETED TO MEAN THE EDITION AS INDICATED BY THE SUB-NUMBER LISTED IN THE INDEX OF SHEETS OR THE COPY OF THE STANDARDS INCLUDED IN THESE PLANS.

3. ALL ELEVATIONS SHOWN REFER TO THE U.S.G.S. DATUM AT SEA LEVEL, UNLESS OTHERWISE NOTED.

4. UTILITIES ARE SHOWN IN ACCORDANCE WITH THE BEST AVAILABLE INFORMATION, AND THEIR TRUE LOCATION IS NOT GUARANTEED TO BE AS SHOWN ON THE PLANS. IT WILL BE THE CONTRACTOR'S RESPONSIBILITY TO DETERMINE THE EXACT LOCATION OF ALL UTILITIES AND CARRY OUT HIS/HER OPERATIONS ACCORDINGLY. MEMBERS OF J.U.L.I.E. KNOWN TO BE WITHIN THE LIMITS OF THE IMPROVEMENT ARE:

   WILLIAMS COMMUNICATION GROUP, INC. - FIBER OPTIC
   TOUCH AMERICA & AT&T - FIBER OPTIC
   CILCO - GAS & ELECTRIC
   VILLAGE OF WILLIAMSVILLE - WATERMAIN
   VERIZON - TELEPHONE

5. THE FINAL SIX INCH LIFT OF EMBANKMENT IN AREAS TO BE SEEDED, SHALL BE ABLE TO SUSTAIN VEGETATION AND IS SUBJECT TO THE ENGINEER'S APPROVAL. THIS WORK SHALL BE INCLUDED IN THE CONTRACT UNIT PRICE BID PER CUBIC YARD FOR EARTH EXCAVATION. NO SEPARATE PAYMENT SHALL BE MADE FOR TOPSOIL.

6. ALL LIGHTING UNITS SHALL BE LABELED ACCORDING TO THE STANDARD SPECIFICATIONS, WITH POLE NUMBERS ATTACHED WITH STAINLESS STEEL BANDING. LIGHTING UNIT NUMBERING SHALL BE AS SHOWN ON THE PLANS AND AS DIRECTED BY THE ENGINEER.

7. POLE NUMBERS ASSIGNED TO EXISTING LIGHTING UNITS REFLECT THE AS-BUILT PLANS.

8. CONTRACTOR SHALL BE RESPONSIBLE TO COORDINATE ELECTRICAL WORK WITH OTHER TRADES.

9. LIGHT POLE FOUNDATIONS SHALL BE INSTALLED PLUMB AND FLUSH WITH THE PROPOSED GRADE AND SHALL MEET THE HEIGHT REQUIREMENTS OF ARTICLE 836.03 OF THE STANDARD SPECIFICATIONS.

10. THE CONTRACTOR IS RESPONSIBLE FOR UNCOVERING OR HAND DIGGING AROUND UTILITIES AS NECESSARY. THE COST OF THIS WORK IS TO BE INCLUDED WITH THE TRENCH AND BACKFILL FOR ELECTRICAL WORK PAY ITEM.

11. THE CONTRACTOR SHALL INSTALL CONDUIT IN TRENCH PRIOR TO PROPOSED PAVEMENT.

APPLICATION RATES

THE FOLLOWING APPLICATION RATES WERE UTILIZED TO CALCULATE QUANTITIES

NITROGEN FERTILIZER NUTRIENT	90 LBS/ACRE
PHOSPHOROUS FERTILIZER NUTRIENT	90 LBS/ACRE
POTASSIUM FERTILIZER NUTRIENT	90 LBS/ACRE
AGGREGATE SHOULDERS AND SURFACE CSE.	2.05 TONS/CU YD
AGRICULTURAL GROUND LIMESTONE	2 TONS/ACRE
LIME	40 LBS/SQ YD/12" LIFT
WATER	7 GAL/SQ YD

LEGEND

EXISTING

- IRON ROD
- BENCHMARK
- SIGN
- MAILBOX
- STREET LIGHT
- POWER POLE
- DOWN GUY
- ELECTRIC HANDHOLE
- FIRE HYDRANT
- WATER VALVE
- GAS VALVE (GV)
- TELEPHONE PEDESTAL (UT)
- WOODEN POST
- CATCH BASIN
- INLET
- MANHOLE
- FLARED END SECTION
- CONCRETE HEADWALL
- EVERGREEN TREE
- TREE
- BUSH
- RIGHT OF WAY LINE
- CENTERLINE
- CONTOUR (785)
- FENCE
- SANITARY SEWER
- STORM SEWER
- WATERMAIN (W)
- OVERHEAD ELECTRIC
- UNDERGROUND ELECTRIC
- GASMAIN (G)
- FIBER OPTIC
- UNDERGROUND TELEPHONE (T)

PROPOSED

- COMBINATION CONCRETE CURB & GUTTER TYPE B6.18
- MANHOLE TY A
- INLET, TY A
- STORM SEWER
- PRC FLARED END SECTION
- CURB INLET OR MANHOLE
- STONE DUMPED RIPRAP OR AGGREGATE SURFACE
- DIRECTION OF DRAINAGE ARROW
- TREE TO BE REMOVED (15")
- SIDEWALK TO BE REMOVED
- PAVEMENT TO BE REMOVED
- SHOULDER TO BE REMOVED
- SIDEWALK, P.C. CONCRETE - 4"
- SIDEWALK, P.C. CONCRETE - 6"
- DETECTABLE WARNING
- ITEM TO BE REMOVED (TBR)
- SIGN AND POST

Rev.

FILE NAME = c:\pw_work\PWIDOT\LAUGHLINRL\d0187096\D2-D100681_GEN.dgn	USER NAME = laughlinrl	DESIGNED - ERB	REVISED - DRR 02/22/10	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	INDEX OF SHEETS, LEGEND, HIGHWAY STANDARDS & GENERAL NOTES
	PLOT SCALE = 100.0000 ' / IN.	DRAWN - JJ	REVISED -		SCALE: SHEET NO. 2 OF 36 SHEETS STA. TO STA.
	PLOT DATE = Feb-23-2010 11:30:24AM	CHECKED - PJM	REVISED -		
		DATE - 11/27/06	REVISED -		

F.A.I RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
55	84-1-2WS-4	SANGAMON	36	2
		CONTRACT NO. 72D58		
		ILLINOIS FED. AID PROJECT		

100% STATE

LOCATION OF WORK				CONSTRUCTION TYPE CODE SECTION 84-1-2WS-4
SUMMARY OF QUANTITIES				WEIGH STATION
CODE NUMBER	PAY ITEM	UNIT	TOTAL QUANTITY	Y222
20200100	EARTH EXCAVATION	CU YD	4,874	4,874
20800150	TRENCH BACKFILL	CU YD	172	172
25000200	SEEDING, CLASS 2	ACRE	1.6	1.6
25000400	NITROGEN FERTILIZER NUTRIENT	POUND	144	144
25000500	PHOSPHORUS FERTILIZER NUTRIENT	POUND	144	144
25000600	POTASSIUM FERTILIZER NUTRIENT	POUND	144	144
25100115	MULCH, METHOD 2	ACRE	1.6	1.6
28000255	TEMPORARY EROSION CONTROL SEEDING	ACRE	1.6	1.6
28000305	TEMPORARY DITCH CHECKS	FOOT	90	90
28000400	PERIMETER EROSION BARRIER	FOOT	80	80
28000500	INLET AND PIPE PROTECTION	EACH	8	8
28100725	STONE DUMPED RIPRAP, CLASS B3	SQ YD	20	20
30200650	PROCESSING MODIFIED SOIL 12"	SQ YD	8,123	8,123
30201500	LIME	TON	163	163
31101000	SUB-BASE GRANULAR MATERIAL, TYPE B	TON	105	105
31200100	STABILIZED SUB-BASE 4"	SQ YD	8,046	8,046
42000531	PORTLAND CEMENT CONCRETE PAVEMENT 11½" (JOINTED)	SQ YD	7,585	7,585
42400100	PORTLAND CEMENT CONCRETE SIDEWALK 4 INCH	SQ FT	880	880
42400300	PORTLAND CEMENT CONCRETE SIDEWALK 6 INCH	SQ FT	310	310
42400800	DETECTABLE WARNINGS	SQ FT	8.0	8.0
44000100	PAVEMENT REMOVAL	SQ YD	2,127	2,127
44000205	HOT-MIX ASPHALT PAVED SHOULDER REMOVAL	SQ YD	1,155	1,155
48101200	AGGREGATE SHOULDERS, TYPE B	TON	795	795
50102500	CONCRETE REMOVAL (SPECIAL)	CU YD	3.0	3.0
50105220	PIPE CULVERT REMOVAL	FOOT	139	139
542A0223	PIPE CULVERTS, CLASS A, TYPE 1 18"	FOOT	61	61
54213660	PRECAST REINFORCED CONCRETE FLARED END SECTIONS 15"	EACH	1	1
54213663	PRECAST REINFORCED CONCRETE FLARED END SECTIONS 18"	EACH	2	2
54213669	PRECAST REINFORCED CONCRETE FLARED END SECTIONS 24"	EACH	2	2
550A0050	STORM SEWERS, CLASS A, TYPE 1 12"	FOOT	12	12
550A0070	STORM SEWERS, CLASS A, TYPE 1 15"	FOOT	96	96
550A0360	STORM SEWERS, CLASS A, TYPE 2 15"	FOOT	96	96
550A0410	STORM SEWERS, CLASS A, TYPE 2 24"	FOOT	240	240
60218500	MANHOLES, TYPE A, 4'-DIAMETER, TYPE 3 FRAME AND GRATE	EACH	1	1

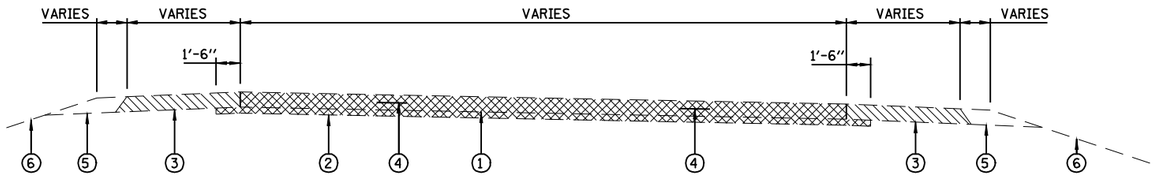
100% STATE

LOCATION OF WORK				CONSTRUCTION TYPE CODE SECTION 84-1-2WS-4
SUMMARY OF QUANTITIES				WEIGH STATION
CODE NUMBER	PAY ITEM	UNIT	TOTAL QUANTITY	Y222
60221100	MANHOLES, TYPE A, 5-DIAMETER, TYPE 1 FRAME, CLOSED LID	EACH	1	1
60236200	INLETS, TYPE A, TYPE 8 GRATE	EACH	2	2
60605000	COMBINATION CONCRETE CURB AND GUTTER, TYPE B-6.24	FOOT	215	215
67100100	MOBILIZATION	L SUM	1	1
70103710	TRAFFIC CONTROL FOR RAMPS	L SUM	1	1
72000100	SIGN PANEL-TYPE 1	SQ FT	2	2
72800100	TELESCOPING STEEL SIGN SUPPORT	FOOT	12	12
78003100	PREFORMED PLASTIC PAVEMENT MARKING, TYPE B - LETTERS AND SYMBOLS	SQ FT	5	5
81012600	CONDUIT IN TRENCH, 2" DIA., PVC	FOOT	341	341
81013200	CONDUIT IN TRENCH, 6" DIA., PVC	FOOT	244	244
81021550	CONDUIT, AUGERED 2" DIA., PVC	FOOT	53	53
81603000	UNIT DUCT, 600V, 2-1C NO. 8, 1/C NO. 8 GROUND, (XLP-TYPE USE), ¾" DIA. POLYETHYLENE	FOOT	993	993
81603030	UNIT DUCT, 600V, 2-1C NO. 4, 1/C NO. 6 GROUND, (XLP-TYPE USE), 1" DIA. POLYETHYLENE	FOOT	1,105	1,105
81900200	TRENCH AND BACKFILL FOR ELECTRICAL WORK	FOOT	1,532	1,532
81900302	TRENCH AND BACKFILL WITH SCREENINGS OR SAND	FOOT	365	365
82104000	LUMINAIRE, SODIUM VAPOR, MULTI-MOUNT, 400 WATT	EACH	6	6
83062740	LIGHT POLE, WEATHERING STEEL, 50 FT. M.H., TENON MOUNT	EACH	6	6
83600357	LIGHT POLE FOUNDATION METAL, 15" BOLT CIRCLE, 8" X 8'	EACH	6	6
83800650	BREAKAWAY DEVICE, COUPLING, WITH STAINLESS STEEL SCREEN	EACH	4	4
84200500	REMOVAL OF EXISTING LIGHTING UNIT, SALVAGE	EACH	5	5
84200804	REMOVAL OF POLE FOUNDATION	EACH	5	5
Z0013798	CONSTRUCTION LAYOUT	L SUM	1	1
X0323407	FLAG POLES	EACH	3	3
X0932150	CURB AND GUTTER OUTLET, SPECIAL	EACH	2	2
*X7800620	URETHANE PAVEMENT MARKING - LINE 5"	FOOT	3,611	3,611
*X7800650	URETHANE PAVEMENT MARKING - LINE 12"	FOOT	640	640
X8950200	REBUILD EXISTING HANDHOLE	EACH	1	1
X0326878	SEEPAGE FIELD MODIFICATIONS	L SUM	1	1

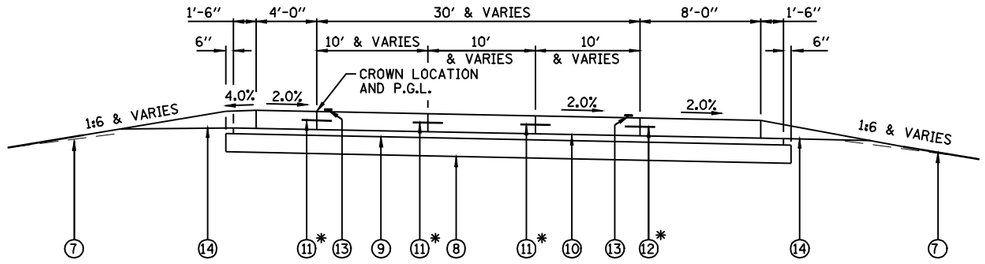
*Specialty Items

Rev.

FILE NAME = c:\pw_work\PWIDOT\LAUGHLINRL\d0187896\03-d100681_Sum.dgn	USER NAME = laughlinrl	DESIGNED - ERB	REVISED - DRR 02/22/10	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	SUMMARY OF QUANTITIES	F.A.I RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	PLOT SCALE = 40.0000 ' / IN.	DRAWN - JJ	REVISED -			55	84-1-2WS-4	SANGAMON	36	3
	PLOT DATE = Feb-23-2010 11:30:27AM	CHECKED - PJM	REVISED -		SCALE: SHEET NO. 3 OF 36 SHEETS STA. TO STA.			CONTRACT NO. 72D58		
		DATE - 11/27/06	REVISED -					ILLINOIS FED. AID PROJECT		



REMOVAL OF EXISTING WEIGH STATION PARKING AREA

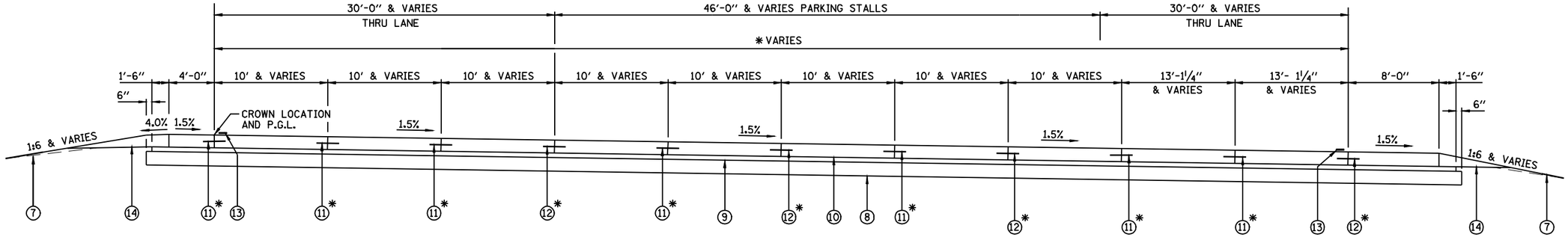


PROPOSED DETENTION PARKING AREA ENTRANCE AND EXIT LOOPS

LEGEND

1. EXISTING S.R.P.C.C. PAVEMENT - 10"± (TO BE REMOVED)
2. EXISTING STABILIZED SUB-BASE - 4"± (TO BE REMOVED)
3. EXISTING BITUMINOUS SHOULDER - 10"± (TO BE REMOVED)
4. EXISTING LONGITUDINAL JOINT WITH #5 BARS x 30" x 30" C†s. (TO BE REMOVED)
5. EXISTING AGGREGATE SHOULDER
6. EXISTING TURF
7. PROPOSED TURF SLOPE WITH SEEDING CLASS 2
8. PROPOSED LIME STABILIZED SOIL - 12"
9. PROPOSED STABILIZED SUB-BASE - 4"
10. PROPOSED P.C.C. PAVEMENT - 11½"
11. PROPOSED LONGITUDINAL SAWED JOINT (STD 420001)
12. PROPOSED LONGITUDINAL CONSTRUCTION JOINT (STD 420001)
13. PROPOSED URETHANE PAVEMENT MARKING LINE - 5"
14. PROPOSED AGGREGATE SHOULDER, TYPE B (WEDGE)

1.5" DIAMETER, 18" LONG DOWEL BARS SPACED AT 12" CENTERS SHALL BE PROVIDED AT ALL TRANSVERSE CONTRACTION AND EXPANSION JOINTS (STD 420001).



PROPOSED DETENTION PARKING AREA

NOTES:

* 1. SEE JOINT AND ELEVATION DETAIL SHEET FOR JOINT AND PROFILE GRADE LINE LOCATIONS.

FILE NAME = c:\pw_work\PWIDOT\LAUGHLINRL\d0187896\D4-D100681_TYP.dgn	USER NAME = laughlinrl	DESIGNED - ERB	REVISED - DRR 02/22/10	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	TYPICAL SECTIONS	F.A.I RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	PLOT SCALE = 100.0000 ' / IN.	DRAWN - MAL	REVISED -			55	84-1-2WS-4	SANGAMON	36	4
	PLOT DATE = Feb-23-2010 09:41:04AM	CHECKED - PJM	REVISED -		SCALE: SHEET NO. 4 OF 36 SHEETS STA. TO STA.			CONTRACT NO. 72D58		
		DATE - 11/27/06	REVISED -					ILLINOIS FED. AID PROJECT		

TRENCH BACKFILL			
STATION	TO	STATION	CU YD
PIPE CULVERT REMOVAL:			
21+84 RT			9
24+51 RT			13
PIPE CULVERT:			
19+04 RT		19+64.08 RT	5
STORM SEWER:			
23+85 RT		23+85.32 RT	2
23+85.32 RT		24+79.07 RT	8
25+85.09 RT		25+97.70 RT	42
25+97.70 RT		27+52.82 RT	93
TOTAL			172

SEEDING, CLASS 2 / MULCH METHOD 2			
STATION	TO	STATION	ACRES
15+30 RT		27+65 RT	1.6
TOTAL			1.6

NITROGEN FERTILIZER NUTRIENT PHOSPHOROUS FERTILIZER NUTRIENT POTASSIUM FERTILIZER NUTRIENT			
STATION	TO	STATION	POUND
15+30 RT		27+65 RT	144
TOTAL			144

TEMPORARY DITCH CHECKS	
STATION	FOOT
20+03, 162' RT	15
22+48, 180' RT	15
24+19, 180' RT	15
26+34, 230' RT	15
28+71, 70' RT	30
TOTAL	90

PERIMETER EROSION BARRIER	
STATION	FOOT
18+00 RT	80
TOTAL	80

INLET AND PIPE PROTECTION	
STATION	EACH
15+32 RT	1
19+68 RT	1
23+85 RT	1
23+85.32 RT	1
25+00 RT	1
25+85.09 RT	1
25+97.70 RT	1
27+52.82 RT	1
TOTAL	8

STONE DUMPED RIP-RAP, CLASS - B3	
STATION	SQ YD
18+94 RT	10
24+85 RT	10
TOTAL	20

CONCRETE REMOVAL (SPECIAL)	
STATION	CU YD
24+20 RT	3
TOTAL	3

PROCESSING MODIIFIED SOIL, 12"				
				LIME
STATION	TO	STATION	SQ YD	TON
19+26.23 RT		RPC 19+77.77 RT	505	10
RPC 19+77.77 RT		RPC 20+54.05 RT	478	10
RPC 20+54.05 RT		RPC 20+78.32 RT	220	4
RPC 20+78.32 RT		RPC 22+09.72 RT	1,496	30
RPC 22+09.72 RT		RPC 22+38.52 RT	384	8
RPC 22+38.52 RT		23+35.48 RT	1,351	27
23+35.48 RT		24+30.50 RT	1,445	29
24+30.50 RT		24+63.00 RT	100	2
24+30.50 RT		25+18.67 RT	806	16
RPC 25+18.67 RT		RPC 25+99.31 RT	488	10
RPC 25+99.31 RT		RPC 26+18.78 RT	94	2
RPC 26+18.78 RT		27+03.44 RT	756	15
TOTAL			8,123	163

STABILIZED SUB-BASE 4"			
STATION	TO	STATION	SQ YD
19+26.77 RT		RPC 19+77.77 RT	500
RPC 19+77.77 RT		RPC 20+54.05 RT	469
RPC 20+54.05 RT		RPC 20+78.32 RT	217
RPC 20+78.32 RT		RPC 22+09.72 RT	1,481
RPC 22+09.72 RT		RPC 22+38.52 RT	381
RPC 22+38.52 RT		23+35.48 RT	1,345
23+35.48 RT		24+30.50 RT	1,450
24+30.50 RT		24+63.00 RT	96
24+30.50 RT		RPC 25+18.67 RT	796
RPC 25+18.67 RT		RPC 25+99.31 RT	479
RPC 25+99.31 RT		RPC 26+18.78 RT	92
RPC 26+18.78 RT		27+03.44 RT	740
TOTAL			8,046

PORTLAND CEMENT CONCRETE PAVEMENT, 11½" (JOINTED)			
STATION	TO	STATION	SQ YD
19+26.23 RT		RPC 19+77.77 RT	463
RPC 19+77.77 RT		RPC 20+10.51 RT	142
RPC 20+10.51 RT		RPC 20+54.05 RT	293
RPC 20+54.04 RT		RPC 20+78.32 RT	208
RPC 20+78.32 RT		RPC 22+09.72 RT	1,445
RPC 22+09.72 RT		RPC 22+38.52 RT	371
RPC 22+38.52 RT		23+35.48 RT	1,187
23+35.48 RT		24+30.50 RT	1,373
24+30.50 RT		24+58.00 RT	106
24+30.50 RT		RPC 25+18.67 RT	767
RPC 25+18.67 RT		RPC 25+99.31 RT	453
RPC 25+99.31 RT		RPC 26+18.78 RT	86
RPC 26+18.78 RT		27+03.44 RT	691
TOTAL			7,585

PORTLAND CEMENT CONCRETE SIDEWALK, 4 INCH			
STATION	TO	STATION	SQ FT
22+95 RT		23+08 RT	230
23+26 RT		23+39 RT	135
23+39 RT		24+35 RT	515
TOTAL			880

PORTLAND CEMENT CONCRETE SIDEWALK, 6 INCH			
STATION	TO	STATION	SQ FT
22+95 RT		23+33 RT	310
TOTAL			310

PAVEMENT REMOVAL			
STATION	TO	STATION	SQ YD
20+60 RT		25+75 RT	2,127
TOTAL			2,127

HOT-MIX ASPHALT PAVED SHOULDER REMOVAL			
STATION	TO	STATION	SQ YD
OUTSIDE SHOULDER			
20+45 RT		25+60 RT	388
INSIDE SHOULDER			
20+97 RT		21+55 RT	99
20+97 RT		25+05 RT	676
TOTAL			1,155

AGGREGATE SHOULDERS, TYPE B			
STATION	TO	STATION	TON
19+26.23 RT		RPC 19+77.77 RT	132
RPC 19+77.77 RT		RPC 20+10.51 RT	30
RPC 20+10.51 RT		RPC 20+54.05 RT	49
RPC 20+54.04 RT		RPC 20+78.32 RT	25
RPC 20+78.32 RT		RPC 22+09.72 RT	139
RPC 22+09.72 RT		RPC 22+38.52 RT	23
RPC 22+38.52 RT		23+35.48 RT	45
23+35.48 RT		24+30.50 RT	44
24+30.50 RT		24+58.00 RT	26
24+30.50 RT		RPC 25+18.67 RT	71
RPC 25+18.67 RT		RPC 25+99.31 RT	66
RPC 25+99.31 RT		RPC 26+18.78 RT	12
RPC 26+18.78 RT		27+03.44 RT	133
TOTAL			795

PIPE CULVERT REMOVAL	
STATION	FOOT
21+84 RT	62
24+51 RT	65
26+04 RT	12
TOTAL	139

PIPE CULVERTS, TYPE 1, CLASS A 18"			
STATION	TO	STATION	FOOT
19+04 RT		19+64.08 RT	61
TOTAL			61

PRECAST REINFORCED CONCRETE FLARED END SECTIONS 15"	
STATION	EACH
24+79.07 RT	1
TOTAL	1

PRECAST REINFORCED CONCRETE FLARED END SECTIONS 18"	
STATION	EACH
19+04.00 RT	1
19+64.08 RT	1
TOTAL	2

PRECAST REINFORCED CONCRETE FLARED END SECTIONS 24"	
STATION	EACH
25+85.09 RT	1
27+52.82 RT	1
TOTAL	2

DETECTABLE WARNINGS	
STATION	SQ FT
23+48 RT	8
TOTAL	8

STORM SEWERS, CLASS A, TYPE 1 12"			
STATION	TO	STATION	FOOT
23+85.00 RT		23+85.32 RT	12
TOTAL			12

STORM SEWERS, CLASS A, TYPE 1 15"			
STATION	TO	STATION	FOOT
23+85.32 RT		24+79.07 RT	96
TOTAL			96

STORM SEWERS, CLASS A, TYPE 2 15"			
STATION	TO	STATION	FOOT
25+00 RT		25+97.70 RT	96
TOTAL			96

STORM SEWERS, CLASS A, TYPE 2 24"			
STATION	TO	STATION	FOOT
25+89.09 RT		25+97.70 RT	72
25+97.70 RT		27+52.82 RT	168
TOTAL			240

MANHOLES, TYPE A, 4'-DIAMETER, TYPE 3 FRAME AND GRATE	
STATION	EACH
23+85.32	1
TOTAL	1

MANHOLES, TYPE A, 5'-DIAMETER, TYPE 1 FRAME, CLOSED LID	
STATION	EACH
25+97.70 RT	1
TOTAL	1

INLETS, TYPE A, TYPE 8 GRATE	
STATION	EACH
23+85.00 RT	1
25+00.00 RT	1
TOTAL	2

COMBINATION CONCRETE CURB AND GUTTER, TYPE B-6.24			
STATION	TO	STATION	FOOT
22+44.52 RT		23+35.43 RT	92
23+35.43 RT		23+35.48 RT	22
23+35.48 RT		24+35.16 RT	101
TOTAL			215

SIGN PANEL TYPE 1			
			STEEL SIGN SUPPORT
STATION	DESCRIPTION	SQ FT	FOOT
23+37 RT	TELESCOPING	-	12
23+37 RT	R7-1101	0.5	-
23+37 RT	R7-8	1.5	-
TOTAL		2	12

SUB-BASE GRANULAR MATERIAL TYPE B	
STATION	TON
19+34 RT	43
24+32 RT	62
TOTAL	105

FILE NAME = c:\pw_work\PWIDOT\LAUGHLINRL\d0187896\D5_06-d100681_schd.dgn	USER NAME = laughlinrl	DESIGNED - ERB	REVISED - DRR 02/22/10	
		DRAWN - MAL	REVISED -	
	PLOT SCALE = 100.000 ' / IN.	CHECKED - PJM	REVISED -	
	PLOT DATE = Feb-23-2010 09:41:06AM	DATE - 11/27/06	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SCHEDULE OF QUANTITIES

SCALE: | SHEET NO. 5 OF 36 SHEETS | STA. | TO STA.

F.A.I RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
55	84-1-2WS-4	SANGAMON	36	5
		CONTRACT NO. 72D58		
		ILLINOIS FED. AID PROJECT		

PREFORMED PLASTIC PAVEMENT MARKING TYPE B LETTERS AND SYMBOLS	
STATION - HANDICAPPED SYMBOL	SQ FT
23+39 RT	5
TOTAL	5

URETHANE PAVEMENT MARKING - LINE 5"			
STATION	TO STATION	COLOR	FOOT
19+28.77 RT	19+52.00 RT	YELLOW	38
19+28.77 RT	RPC 19+77.77 RT	YELLOW	134
RPC 19+77.77 RT	RPC 20+54.05 RT	YELLOW	79
RPC 20+54.05 RT	PRC 20+78.32 RT	YELLOW	25
RPC 20+78.32 RT	RPC 26+18.78 RT	YELLOW	541
RPC 26+18.78 RT	27+01.30 RT	YELLOW	187
19+54.47 RT	20+50.00 RT	WHITE	110
19+54.47 RT	RPC 20+10.51 RT	WHITE	107
RPC 20+10.51 RT	RPC 22+09.72 RT	WHITE	206
RPC 22+09.72 RT	RPC 22+38.52 RT	WHITE	27
RPC 22+38.52 RT	23+35.48 RT	WHITE	97
24+63.00 RT	25+10.00 RT	WHITE	55
24+55.00 RT	24+74.00 RT	YELLOW	28
24+63.00 RT	24+38.09 RT	WHITE	33
RPC 24+38.09 RT	RPC 24+42.90 RT	WHITE	41
RPC 24+42.90 RT	RPC 25+18.67 RT	WHITE	83
RPC 25+18.67 RT	RPC 25+99.31 RT	WHITE	84
RPC 25+99.31 RT	RPC 26+17.80 RT	WHITE	19
26+15.00 RT	26+77.32 RT	WHITE	77
RPC 26+17.80 RT	26+77.32 RT	WHITE	128
26+82.59 RT	27+05.00 RT	YELLOW	33
SCALE BUILDING CAR STALLS 7@20'		YELLOW	218
TRUCK PARKING STALLS 7@115'		YELLOW	805
PAINTED TRUCK ISLAND		YELLOW	396
SCALE BUILDING HANDICAP BLOCKOUT		YELLOW	60
TOTAL			3,611

URETHANE PAVEMENT MARKING - LINE 12"	
LOCATION	FOOT
SCALE BUILDING PARKING BLOCKOUT	170
TRUCK PARKING PAINTED ISLAND	470
TOTAL	640

COMBINATION CONCRETE CURB AND GUTTER OUTLET, SPECIAL	
STATION	EACH
22+38.52	1
24+35.16	1
TOTAL	2

SEEPAGE FIELD MODIFICATIONS		
STATION	TO STATION	L SUM
22+08 RT	22+78 RT	1
TOTAL		1

FLAG POLES	
STATION	EACH
22+83 RT	1
22+89 RT	1
22+96 RT	1
TOTAL	3

EARTH EXCAVATION				
LOCATION	RAW EARTH EXCAVATION	RAW EMBANKMENT	EARTH EXCAVATION ADJUSTED FOR SHRINKAGE (25%)	EARTH EXCAVATION WASTE (+) OR BORROW (-)
STATION TO STATION	CU YD	CU YD	CU YD	CU YD
15+30 RT 27+65 RT	4,874	3,374	3,656	+282

CONDUIT IN TRENCH, 2" DIA. PVC		
STATION	TO STATION	FOOT
22+87.15 RT	23+31.2 RT	80
23+31.2 RT	24+44 RT	111
25+79.88/ 118' RT	25+79.88/ 169' RT	50
TOTAL		241

CONDUIT IN TRENCH, 6" DIA. PVC		
STATION	TO STATION	FOOT
23+00 RT	22+70 RT	122
23+00 RT	22+70 RT	122
TOTAL (FOR FUTURE USE)		244

CONDUIT AUGERED, 2" DIA. PVC		
STATION	TO STATION	FOOT
19+13.47 RT	19+63.09 RT	48
21+16.35/ 12' RT	21+16.35/ 49' LT	57
26+58.9 RT	27+02.96 RT	48
TOTAL		153

UNIT DUCT, 600V, 2-1C NO. 8, 1/C NO. 8 GROUND, (XLP-YPE USE), 3/4" DIA. POLYETHYLENE		
STATION	TO STATION	FOOT
20+73 RT	23+18 RT	252
21+06 RT	23+42 LT	313
23+18 RT	25+63 RT	251
25+63 RT	25+51 RT	177
TOTAL		993

UNIT DUCT, 600V, 2-1C NO. 4, 1/C NO. 6 GROUND, (XLP-YPE USE), 1" DIA. POLYETHYLENE		
STATION	TO STATION	FOOT
18+70.37 RT	21+06 RT	276
21+06 RT	23+31.2 RT	326
23+31.2 RT	25+51 RT	256
25+51 RT	27+57.8 RT	247
TOTAL		1,105

TRENCH AND BACKFILL WITH SCREENINGS OR SAND		
STATION	TO STATION	FOOT
22+85 RT	23+31.2 RT	80
23+00 RT	23+70 RT	122
23+31.2 RT	24+45 RT	115
25+81/ 168' RT	25+81/ 120' RT	48
TOTAL		365

TRENCH AND BACKFILL FOR ELECTRICAL WORK		
STATION	TO STATION	FOOT
18+70.37 RT	19+13.37 RT	40
19+62.49 RT	21+06 RT	140
21+06 RT	21+16.35 RT	18
21+16.35 RT	23+42 LT	225
21+06 RT	22+85 RT	220
24+45 RT	25+51 RT	110
20+73 RT	23+18 RT	245
23+18 RT	25+63 RT	245
25+63 RT	25+51 RT	115
25+51 RT	26+58.9 RT	114
27+02.96 RT	27+57.8 RT	60
TOTAL		1,532

LUMINAIRE, SODIUM VAPOR, MULTI-MOUNT, 400 WATT	
STATION	EACH
20+73 RT	1
21+06 RT	1
23+18 RT	1
23+42 LT	1
25+51 RT	1
25+63 RT	1
TOTAL	6

LIGHT POLE, WEATHERING STEEL, 50 FT. M.H., TENON MOUNT	
STATION	EACH
20+73 RT	1
21+06 RT	1
23+18 RT	1
23+42 LT	1
25+51 RT	1
25+63 RT	1
TOTAL	6

LIGHT POLE FOUNDATION METAL, 15" BOLT CIRCLE, 8" X 8'	
STATION	EACH
20+73 RT	1
21+06 RT	1
23+18 RT	1
23+42 LT	1
25+51 RT	1
25+63 RT	1
TOTAL	6

BREAKAWAY DEVICE, COUPLING, WITH STAINLESS STEEL SCREEN	
STATION	EACH
23+42 LT	4
TOTAL	4

REMOVAL OF LIGHTING UNIT, SALVAGE	
STATION	EACH
21+98.2 RT	1
22+22.52 RT	1
23+17.30 LT	1
24+12.9 RT	1
24+15.05 RT	1
TOTAL	5

REMOVAL OF POLE FOUNDATION, CONCRETE	
STATION	EACH
21+98.2 RT	1
22+22.52 RT	1
23+17.30 LT	1
24+12.9 RT	1
24+15.05 RT	1
TOTAL	5

REBUILD EXISTING HANDHOLE	
STATION	EACH
23+22.86 RT	1
TOTAL	1

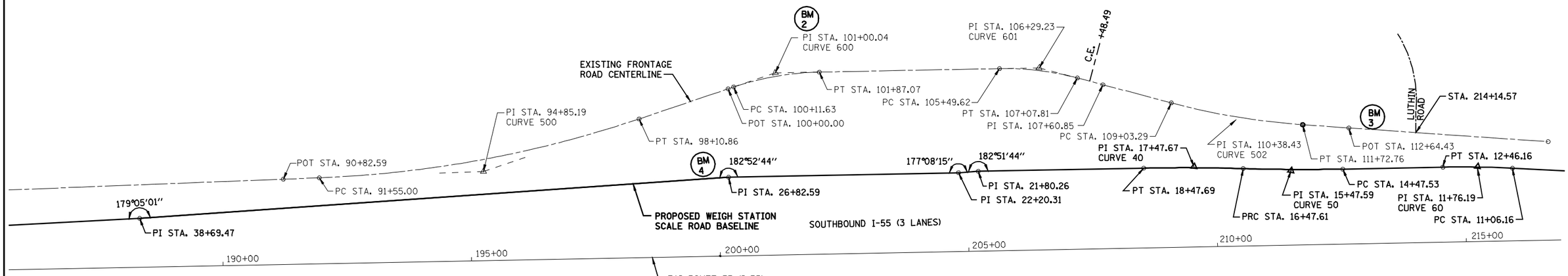
FILE NAME = c:\pw_work\PWIDOT\LAUGHLINRL\d0187096\D5_06-d100681_schd.dgn	USER NAME = laughlinrl	DESIGNED - ERB	REVISED - DRR 02/22/10	
		DRAWN - JJ	REVISED -	
	PLOT SCALE = 100.000 ' / IN.	CHECKED - PJM	REVISED -	
	PLOT DATE = Feb-23-2010 09:41:08AM	DATE - 11/27/06	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SCHEDULE OF QUANTITIES

SCALE: | SHEET NO. 6 OF 36 SHEETS | STA. | TO STA.

F.A.I RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
55	84-1-2WS-4	SANGAMON	36	6
		CONTRACT NO. 72D58		
		ILLINOIS FED. AID PROJECT		



EXIST. CURVE 500
PI STA. = 94+85.19
Δ = 16° 24′ 13″ (LT)
D = 2° 30′ 04″
R = 2,290.84′
T = 330.19′
L = 655.86′
E = 23.67′
e = -----
T.R. = -----
S.E. RUN = -----
P.C. STA. = 91+55.00
P.T. STA. = 98+10.86

EXIST. CURVE 600
PI STA. = 101+00.04
Δ = 17° 31′ 22″ (RT)
D = 9° 59′ 16″
R = 573.65′
T = 88.41′
L = 175.44′
E = 6.77′
e = -----
T.R. = -----
S.E. RUN = -----
P.C. STA. = 100+11.63
P.T. STA. = 101+87.07

EXIST. CURVE 601
PI STA. = 106+29.23
Δ = 15° 57′ 30″ (RT)
D = 10° 05′ 17″
R = 567.95′
T = 79.61′
L = 158.19′
E = 5.55′
e = -----
T.R. = -----
S.E. RUN = -----
P.C. STA. = 105+49.62
P.T. STA. = 107+07.81

WEIGH STATION
SCALE RD. CURVE 40
PI STA. = 17+47.67
Δ = 2° 48′ 46″ (LT)
D = 1° 24′ 21″
R = 4,075.54′
T = 100.06′
L = 200.08′
E = 1.23′
e = -----
T.R. = -----
S.E. RUN = -----
P.C. STA. = 16+47.61
P.T. STA. = 18+47.69

WEIGH STATION
SCALE RD. CURVE 50
PI STA. = 15+47.59
Δ = 2° 48′ 45″ (RT)
D = 1° 24′ 21″
R = 4,075.80′
T = 100.06′
L = 200.08′
E = 1.23′
e = -----
T.R. = -----
S.E. RUN = -----
P.C. STA. = 14+47.53
P.T. STA. = 16+47.61

EXIST. CURVE 502
PI STA. = 110+38.43
Δ = 10° 53′ 09″ (LT)
D = 4° 02′ 23″
R = 1,418.33′
T = 135.14′
L = 269.47′
E = 6.42′
e = -----
T.R. = -----
S.E. RUN = -----
P.C. STA. = 109+03.29
P.T. STA. = 111+72.76

WEIGH STATION
SCALE RD. CURVE 60
PI STA. = 11+76.19
Δ = 4° 1′ 16″ (LT)
D = 2° 52′ 20″
R = 1,994.76′
T = 70.03′
L = 140.00′
E = 1.23′
e = -----
T.R. = -----
S.E. RUN = -----
P.C. STA. = 11+06.16
P.T. STA. = 12+46.16

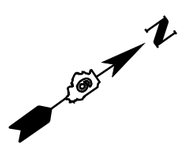
BENCHMARKS

① BM A-25: "▭" IN THE W. CONC. FOUNDATION OF SOUTH BOUND "SPRINGFIELD LINCOLN SITES" SIGN.
ELEV.=577.34 (IDOT BOOK 128; PAGE 28)

② BM : SPINDEL NAIL IN THE P.P. ON THE WEST SIDE OF THE EXIST. FRONTAGE ROAD
ELEV.=587.76; STA 24+26.20, 291.99′ RT

③ BM : TOP OF FIRE HYDRANT IN FRONT OF DONLEY INC. TRUCKING AT THE S.W. QUADRANT OF FRONTAGE ROAD & LUTHIN ROAD INT.
ELEV.=588.49; STA 13+90.86, 124.95′ RT

④ BM : NE BOLT ON LIGHT BASE
ELEV.=589.69; STA 27+57.83, 39.01′ RT



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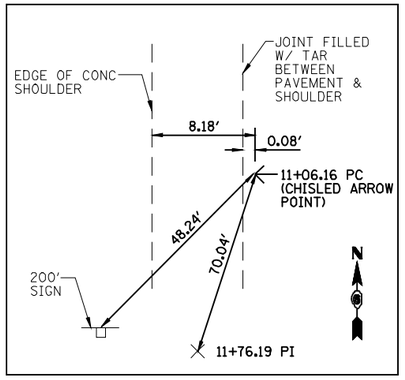
		DRAWN - JJO	REVISED -
	PLOT SCALE = 200.0000 ′ / IN.	CHECKED - PJM	REVISED -
	PLOT DATE = Feb-23-2010 09:41:10AM	DATE - 11/27/06	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

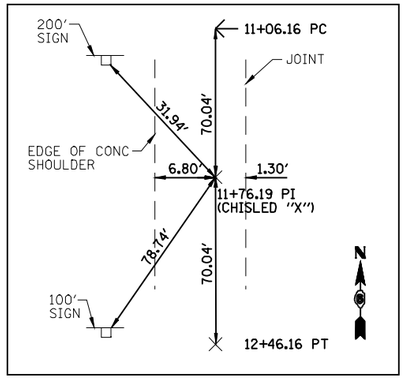
SURVEY LAYOUT & ALIGNMENT SHEET

SCALE: | SHEET NO. 7 OF 36 SHEETS | STA. | TO STA.

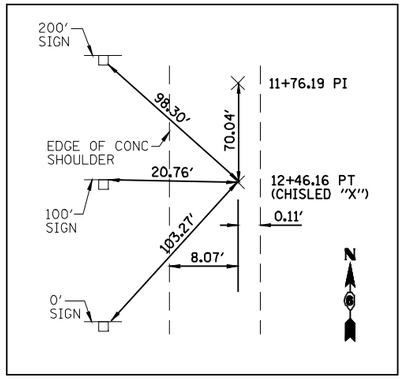
F.A.I RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
55	84-1-2WS-4	SANGAMON	36	7
		CONTRACT NO. 72D58		
	ILLINOIS FED. AID PROJECT			



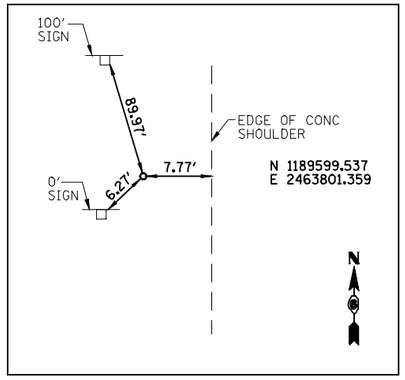
PC STA 11+06.16



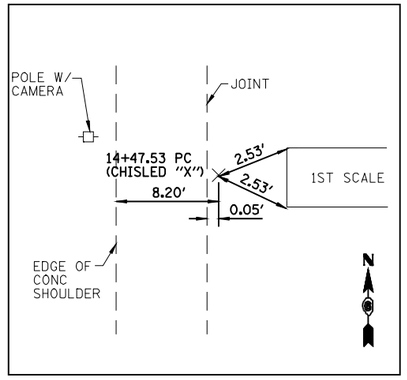
PI STA 11+76.19



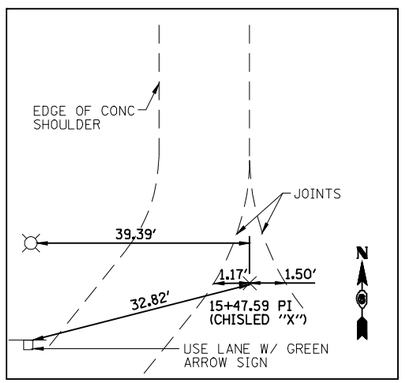
PT STA 12+46.16



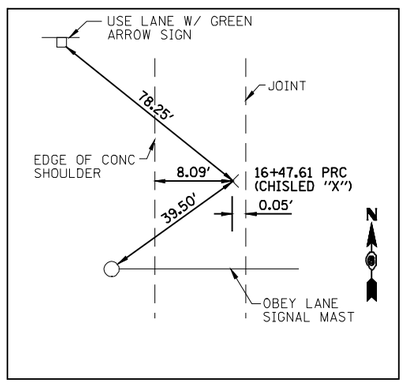
IR #1023



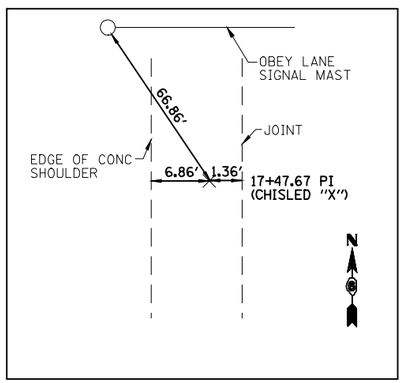
PC STA 14+47.53



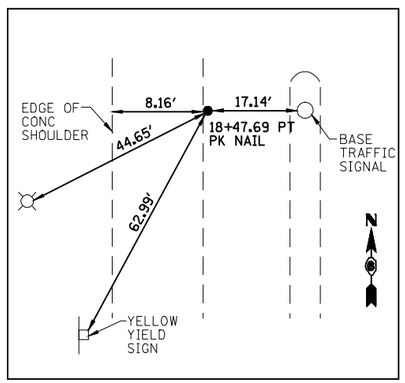
PI STA 15+47.59



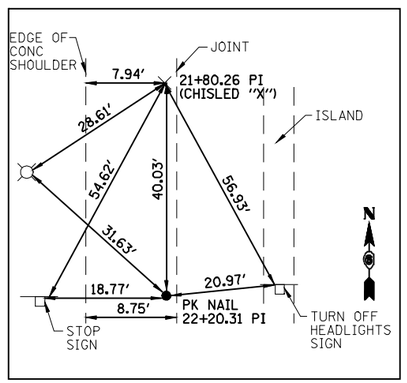
PRC STA 16+47.61



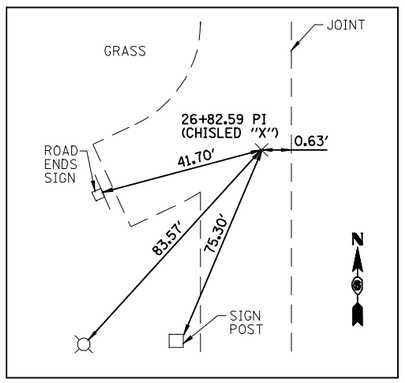
PI STA 17+47.67



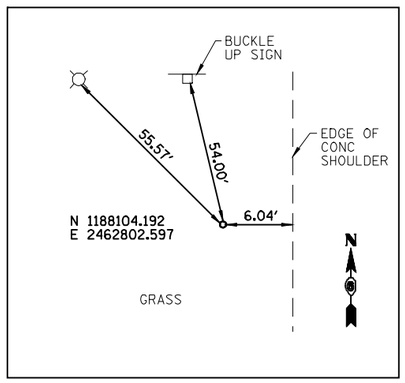
PT STA 18+47.69



PI STA'S 21+80.26 & 22+20.31



PI STA 26+82.59



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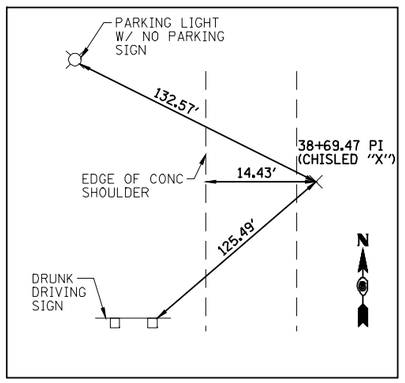

PI STA 38+69.47

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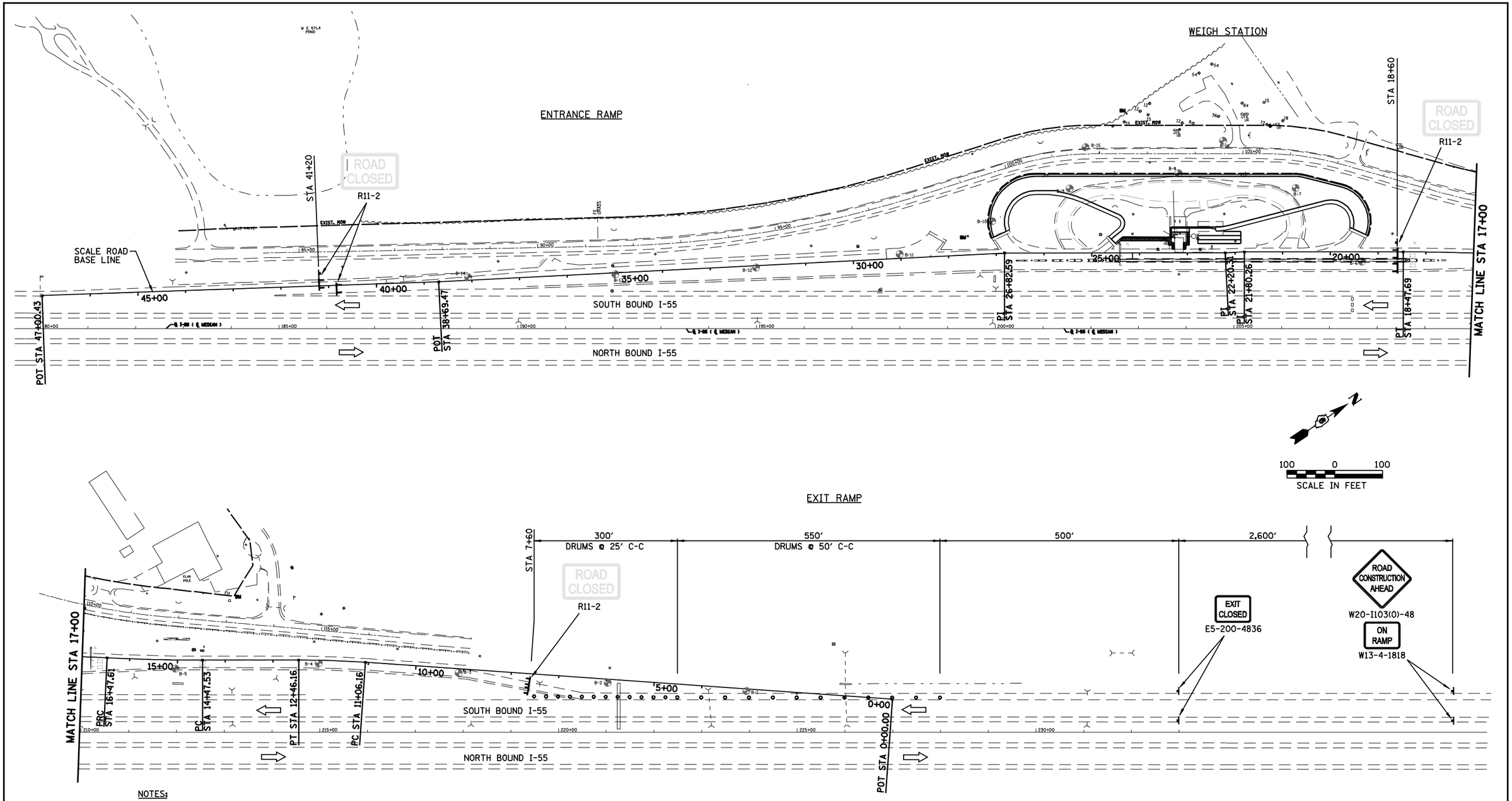
	PLOT SCALE = 100.0000 ' / IN.	CHECKED - PJM	REVISED -			55	84-1-2WS-4	SANGAMON	36	8
	PLOT DATE = Feb-23-2010 09:41:13AM	DATE - 11/27/06	REVISED -		SCALE: SHEET NO. 8 OF 36 SHEETS STA. TO STA.			CONTRACT NO. 72D58		
							ILLINOIS FED. AID PROJECT			



NOTES:

1. APPLY STANDARD 701101 WHERE AT ANY TIME, ANY VEHICLES, EQUIPMENT, WORKER OR THEIR ACTIVITIES WILL ENCROACH IN THE AREA CLOSER THAN 15' AWAY FROM THE EDGE OF PAVEMENT.
2. TRAFFIC CONTROL PLAN TYPICAL RAMP CLOSURE IN ACCORDANCE WITH STANDARD 701451.
3. DURING CONSTRUCTION, TEMPORARY SIGN OVERLAYS SHALL BE PLACED AT ALL EXISTING ADVANCED SIGNS INDICATING CLOSURE OF THE WEIGH STATION. FURNISHING, PLACEMENT, AND SUBSEQUENT REMOVAL OF SIGN OVERLAYS SHALL BE INCLUDED IN THE COST OF TRAFFIC CONTROL FOR RAMPS.
4. CONTRACTOR TO FIELD VERIFY SIGN OVERLAY DIMENSIONS TO ADEQUATELY COVER ALL ADVANCE WEIGH STATION SIGN LOCATIONS.

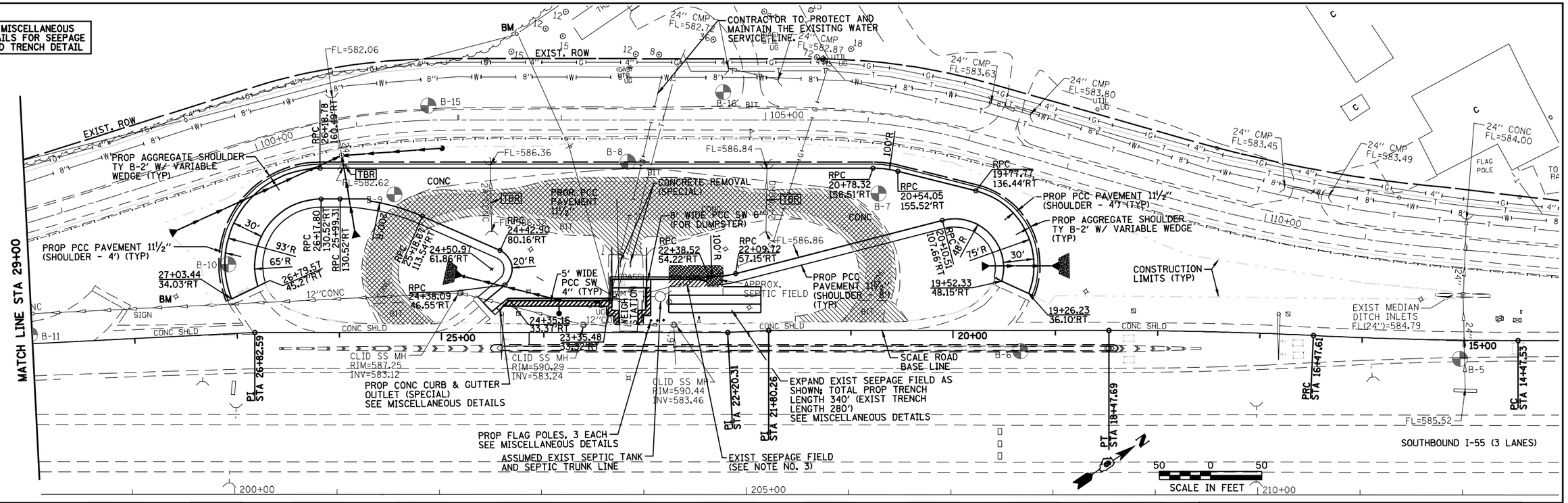
LEGEND

- SIGN
- TYPE III BARRICADE
- DRUM WITH STEADY BURNING LIGHT

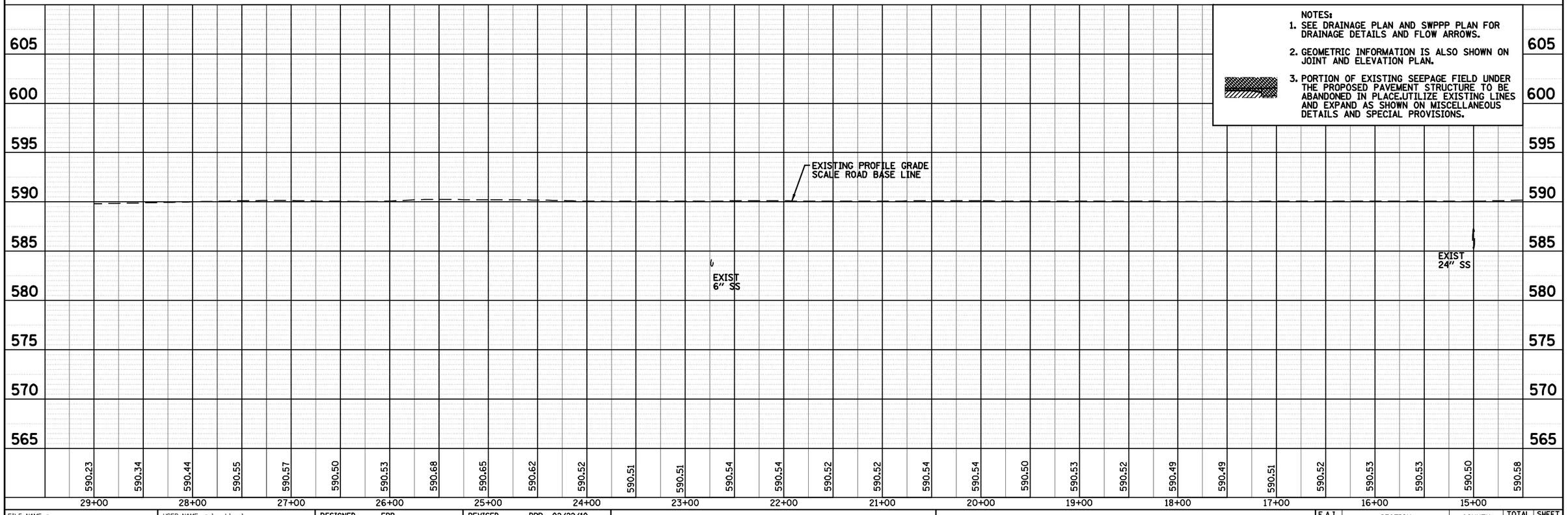
FILE NAME = c:\pw_work\PWIDOT\LAUGHLINRL\d0187896\D3-D100681_Traffic Control.dgn	USER NAME = laughlinrl	DESIGNED - ERB	REVISED - DRR 02/22/10	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	TRAFFIC CONTROL DETAILS WILLIAMSVILLE WEIGH STATION
	PLOT SCALE = 200.0000 ' / IN.	DRAWN - JJ	REVISED -		SCALE: 1"=100' SHEET NO. 9 OF 36 SHEETS STA. TO STA.
	PLOT DATE = Feb-23-2010 09:41:15AM	CHECKED - PJM	REVISED -		
		DATE - 11/27/06	REVISED -		

F.A.I RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
55	84-1-2WS-4	SANGAMON	36	9
		CONTRACT NO. 72D58		
		ILLINOIS FED. AID PROJECT		

SEE MISCELLANEOUS DETAILS FOR SEEPAGE FIELD TRENCH DETAIL



NOTES:
1. SEE DRAINAGE PLAN AND SWPPP PLAN FOR DRAINAGE DETAILS AND FLOW ARROWS.
2. GEOMETRIC INFORMATION IS ALSO SHOWN ON JOINT AND ELEVATION PLAN.
3. PORTION OF EXISTING SEEPAGE FIELD UNDER THE PROPOSED PAVEMENT STRUCTURE TO BE ABANDONED IN PLACE.UTILIZE EXISTING LINES AND EXPAND AS SHOWN ON MISCELLANEOUS DETAILS AND SPECIAL PROVISIONS.



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PROFILE — SURVEYED / PLOTTED / JOINT DRAWN CHECKED / BAR. NOTED STRUCTURE NOTATNS CHKD / NOTE BOOK / NO. / BY / DATE

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	PLOT DATE = Feb-23-2010 11:34:48AM	CHECKED - PJM	REVISED -	
		DATE - 11/27/06	REVISED -	

WILLIAMSVILLE WEIGH STATION
PLAN AND PROFILE

SCALE: | SHEET NO. 10 OF 36 SHEETS | STA. | TO STA.

F.A.I RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
55	84-1-2WS-4	SANGAMON	36	10
		CONTRACT NO. 72D58		
	ILLINOIS FED. AID PROJECT			

PLAN
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NOTE BOOK
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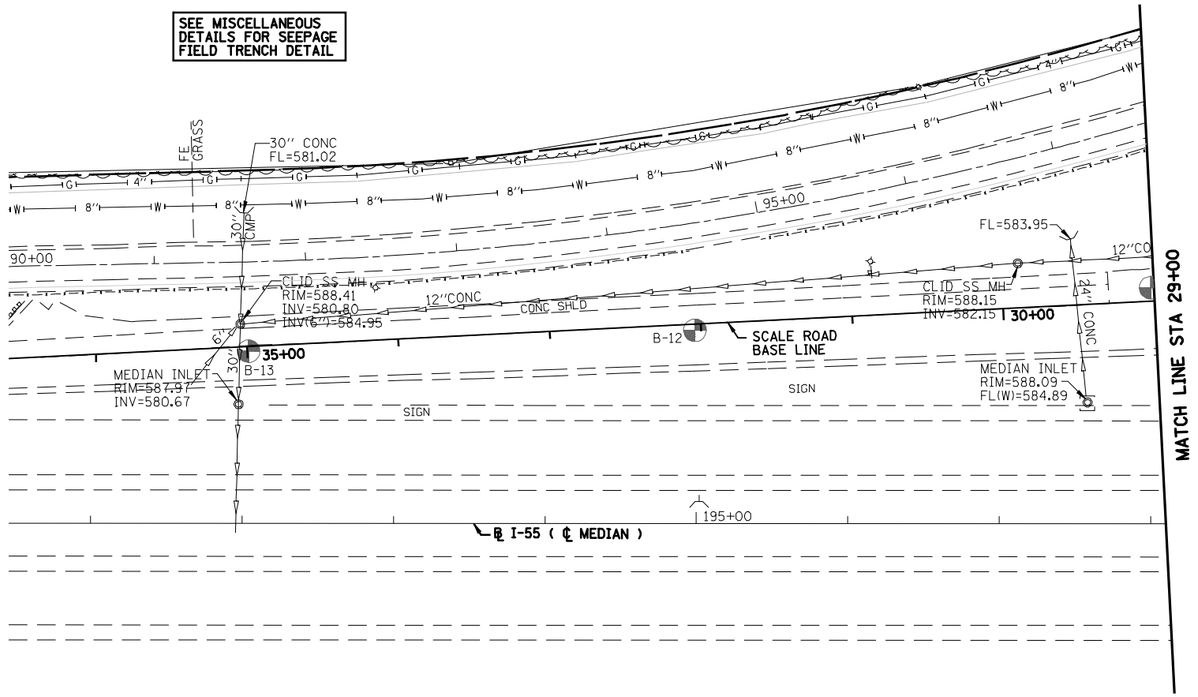
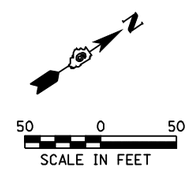
DATE

SEE MISCELLANEOUS DETAILS FOR SEEPAGE FIELD TRENCH DETAIL





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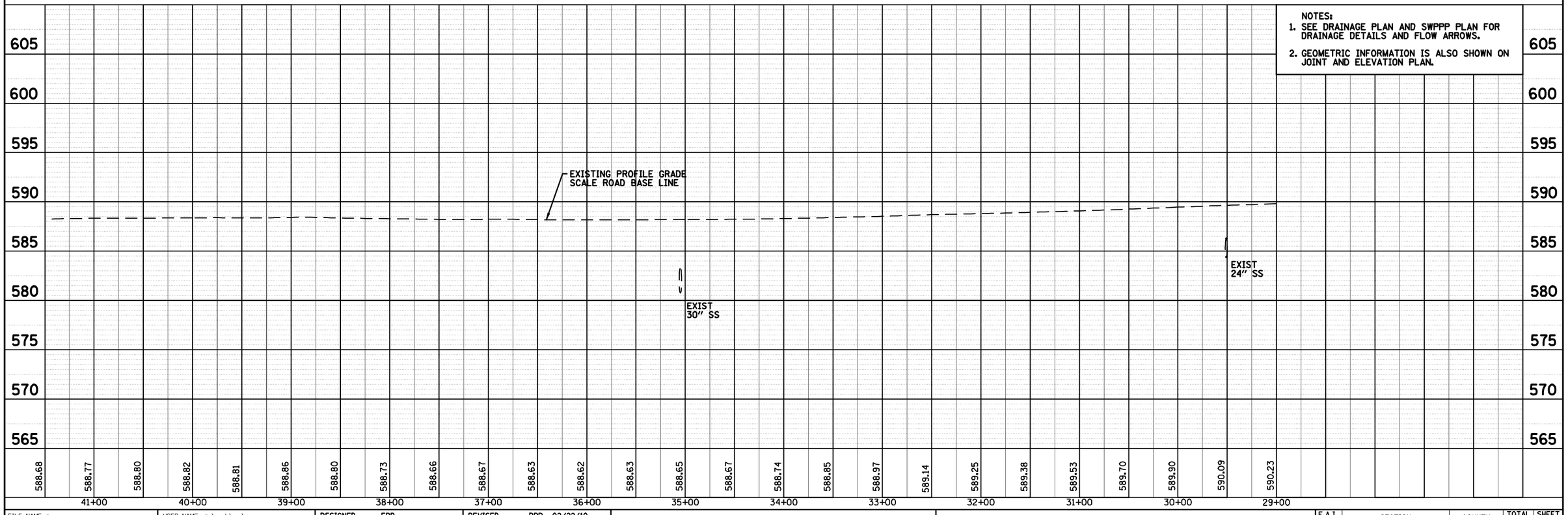

NOTES:
1. SEE DRAINAGE PLAN AND SWPPP PLAN FOR DRAINAGE DETAILS AND FLOW ARROWS.
2. GEOMETRIC INFORMATION IS ALSO SHOWN ON JOINT AND ELEVATION PLAN.

FILE NAME = c:\pw_work\PWIDOT\LAUGHLINRL\d0187096\10_1-D100681_PLAN_PP.dgn	USER NAME = laughlinrl	DESIGNED - ERB	REVISED - DRR 02/22/10
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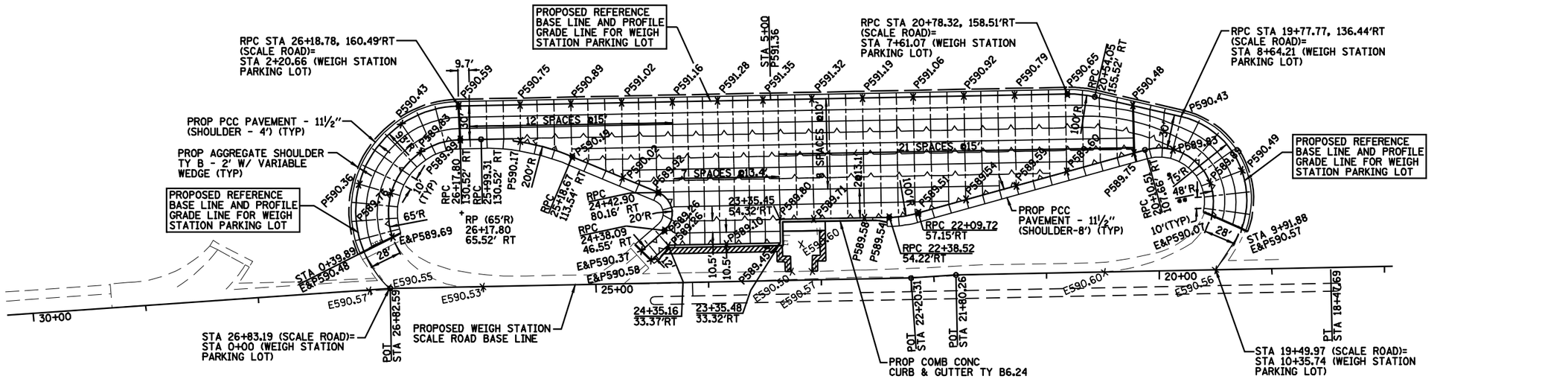
		DATE - 11/27/06	REVISED -

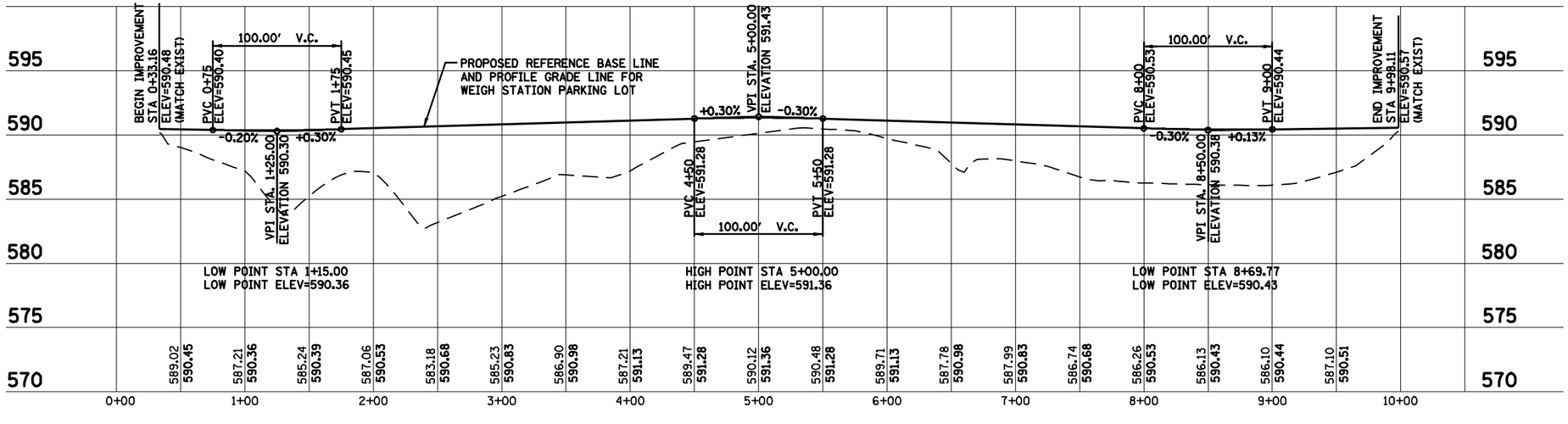
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

WILLIAMSVILLE WEIGH STATION
PLAN AND PROFILE

SCALE: 1"=50' | SHEET NO. 11 OF 36 SHEETS | STA. | TO STA.

F.A.I RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
55	84-1-2WS-4	SANGAMON	36	11
		CONTRACT NO. 72D58		
	ILLINOIS FED. AID PROJECT			





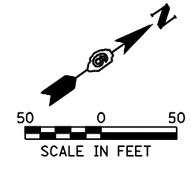
LEGEND

E590.57	EXISTING PAVEMENT ELEVATION
P589.99	PROPOSED PAVEMENT ELEVATION LOCATION
	COMBINATION CONCRETE CURB & GUTTER TYPE B-6.24
	1" TRANSVERSE EXPANSION JOINT W/ DOWEL BARS
	1½" DIAMETER DOWEL BAR ASSEMBLY @ TRANSVERSE CONTRACTION JOINT
	LONGITUDINAL CONSTRUCTION JOINT
	LONGITUDINAL SAWED JOINT OR LONGITUDINAL CONSTRUCTION JOINT (AS DETERMINED BY THE ENGINEER)

NOTE:
SEE STANDARD 420001 FOR PAVEMENT AND JOINT DETAILS

NOTES:

1. ALL JOINT STUBS TO EDGE OF PAVEMENT SHALL BE 2' MINIMUM UNLESS APPROVED OTHERWISE BY THE ENGINEER.
2. ALL STATIONS AND OFFSETS SHOWN ARE REFERENCED FROM THE WEIGH STATION SCALE ROAD ALIGNMENT.
3. STATIONS AND OFFSETS ARE SHOWN TO THE EDGE OF PAVEMENT.
4. CONSTRUCTION JOINTS SHALL BE ALLOWED AT LOCATIONS AS APPROVED BY THE ENGINEER.



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		DRAWN - JJO	REVISED -
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	PLOT DATE = Feb-23-2010 09:41:24AM	DATE - 11/27/06	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

JOINT AND ELEVATION PLAN

SCALE: 1"=50' | SHEET NO. 12 OF 36 SHEETS | STA. | TO STA.

F.A.I RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
55	84-1-2WS-4	SANGAMON	36	12
		CONTRACT NO. 72D58		
	ILLINOIS FED. AID PROJECT			

NOTE:
1. SEE CULVERT CROSS SECTION SHEET FOR ADDITIONAL DETAILS

PR STONE RIPRAP B3
SEE MISCELLANEOUS DETAILS

MATCH LINE STA 29+00

STA. 25+97.70, 172.91'RT
PR MH TY A, 5' DIA
OVER EXIST P. CULV
W/TY 1 FR & CLID
RIM=589.50
INV(W)=582.53±
INV(N)=583.56
INV(S)=582.63
INV(E)=582.63

15"x96' SS CL A, TY 2 @1.5%

STA. 25+00.00, 180'RT
PR INLET TY A
W/TY 8 GR
RIM=588.28
INV=585.00

24" CONC PIPE CULVERT & CONC HEADWALLS TBR
9C.Y. TBF

24"x168' SS CL A, TY 2 @0.35%
85C.Y. TBF

STA. 27+52.82, 103.78'RT
PRC FLARED END SECTION, 24"
USFL=583.24

24"x72' SS CL A, TY 2 @1.0%
42C.Y. TBF

15"x96' SS CL A, TY 1 @0.80%
8C.Y. TBF

5' WIDE EACH SIDE OF PIPE SUB-BASE GRANULAR MATERIAL TY B, DELETE PROCESSING MODIFIED SOIL TO AVOID CONFLICT WITH PIPE.

STA. 19+64.08, 63.00'RT
PRC FLARED END SECTION, 18"
USFL=586.55

STA. 19+04, 63.00'RT
PRC FLARED END SECTION, 18"
DSFL=586.24

PR 18"x61' PIPE CULVERT CL A, TY 1 @ 0.50%
5C.Y. TBF

GRADE TO EXISTING INLET @0.35%

LIMITS OF CONSTRUCTION (TYP)

APPROX. SEPTIC FIELD

GRADE 0.80%

SCALE ROAD BASE LINE

5' WIDE EACH SIDE OF PIPE SUB-BASE GRANULAR MATERIAL TY B, DELETE PROCESSING MODIFIED SOIL TO AVOID CONFLICT WITH PIPE.

STA. 25+85.09, 100.40'RT
PRC FLARED END SECTION, 24"
USFL=583.36

STA. 24+79.07, 55.05'RT
PRC FLARED END SECTION, 15"
DSFL=585.00

STA. 23+85.32
30.90° RT (BK CURB)
PR MH TY A, 4' DIA
W/TY 3 FR & GR
& FLAT SLAB TOP
TOP CURB=589.48
FL(E)=585.88
FL(S)=585.78

STA. 23+85, 19'RT
PR INLET TY A
W/TY 8 GR
RIM=588.50
FL(W)=586.00

12"x12" SS CL A, TY 1 @1.0%
2C.Y. TBF

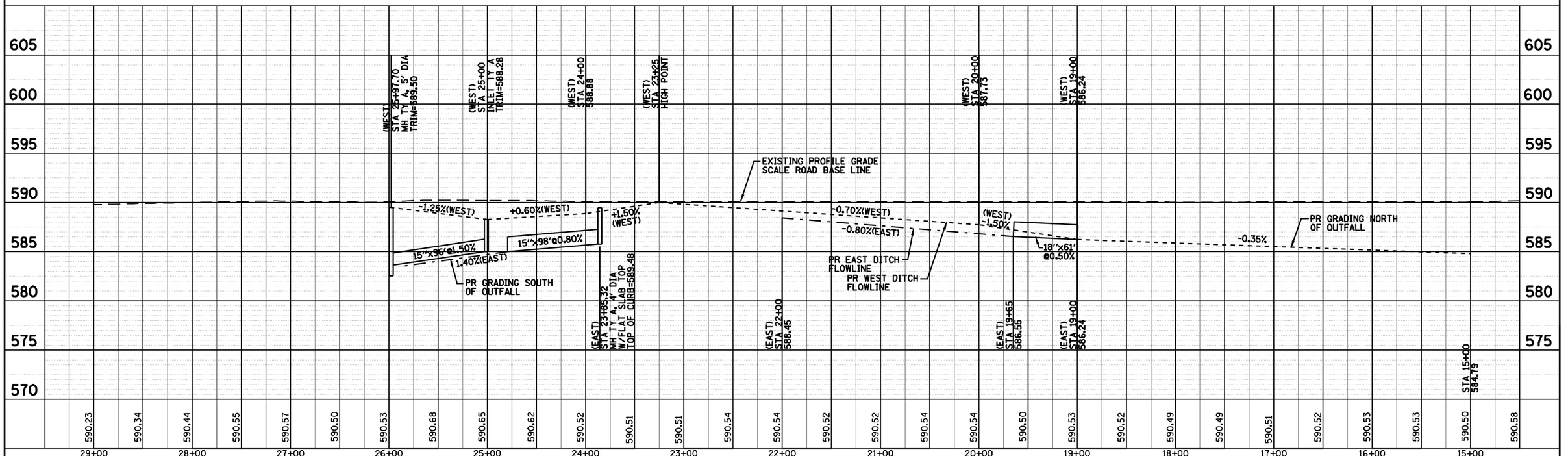
CLID SS MH RIM=587.25 INV=583.12
CLID SS MH RIM=590.29 INV=583.24
CLID SS MH RIM=590.44 INV=583.46

PI STA 26+82.59
PI STA 22+20.31
PI STA 21+80.26
PT STA 18+47.69
PRC STA 16+47.61
PC STA 14+47.53

EXIST MEDIAN DITCH INLETS FL(24")=584.79

SOUTHBOUND I-55 (3 LANES)

SCALE IN FEET



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PROFILE: SURVEYED, PLOTTED, QUANTITIES CHECKED, BM's NOTED, STRUCTURE NOTATNS CHKD, NOTE BOOK, NO., BY, DATE

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	PLOT SCALE = 100.0000 ' / IN.	DRAWN - JJ	REVISED -		SCALE: SHEET NO. 13 OF 36 SHEETS STA. TO STA.
	PLOT DATE = Feb-23-2010 09:41:27AM	CHECKED - PJM	REVISED -		
		DATE - 11/27/06	REVISED -		

F.A.I RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
55	84-1-2WS-4	SANGAMON	36	13
		CONTRACT NO. 72D58		
	ILLINOIS FED. AID PROJECT			

PLAN
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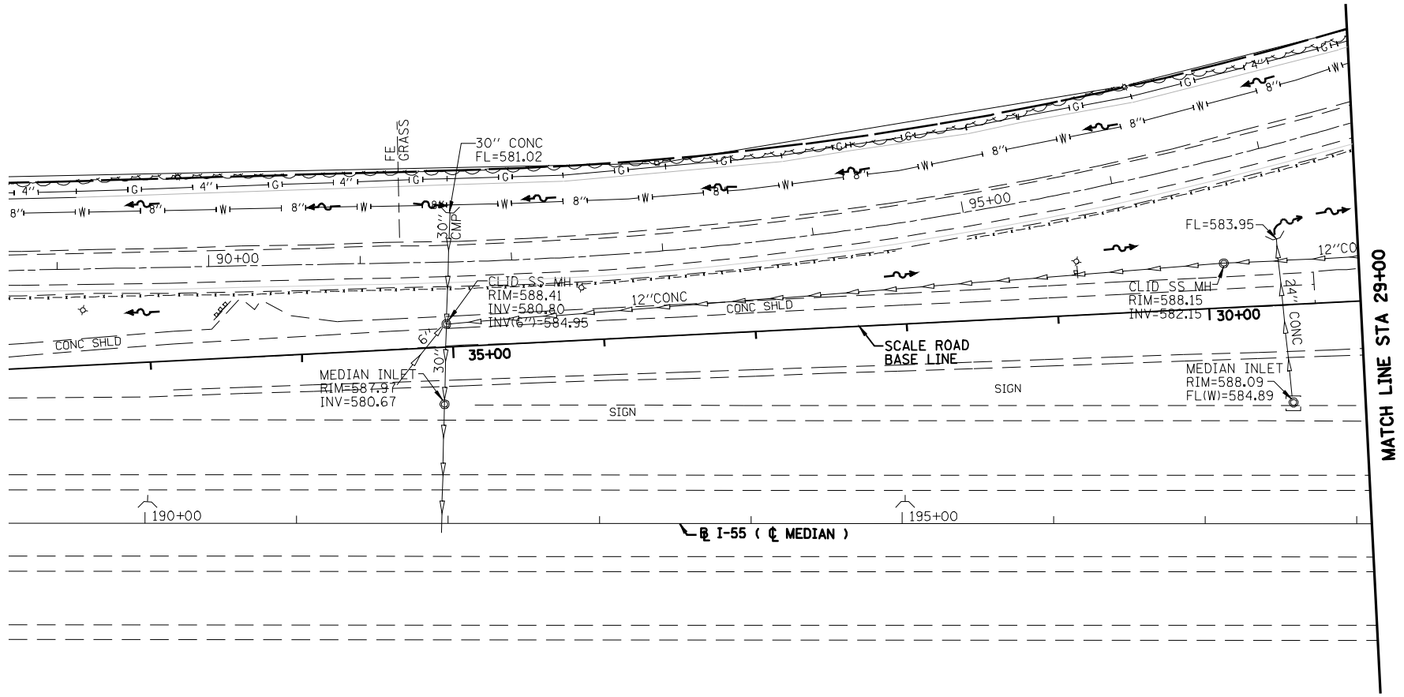
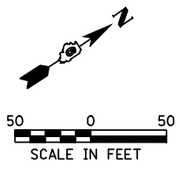
RT. OF WAY CHECKED
CADD FILE NAME
NOTE BOOK
NO.
BY
DATE





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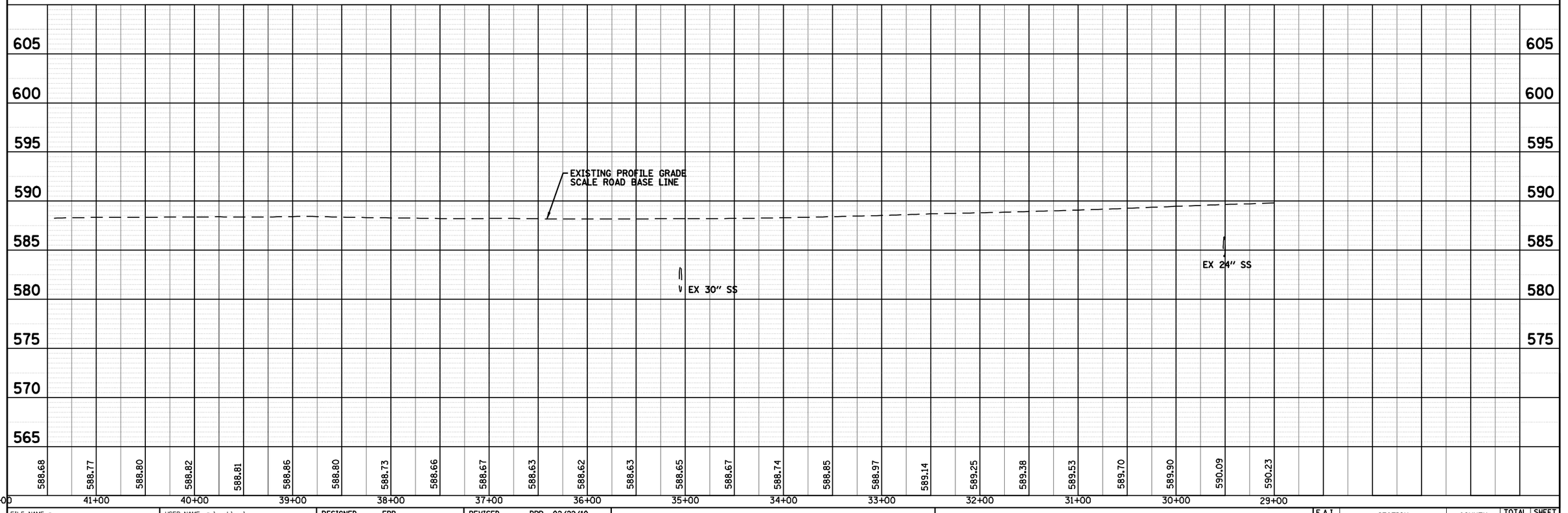
BM. NOTED
STRUCTURE NO.FAP.NS GIFKD
NOTE BOOK
NO.
BY
DATE



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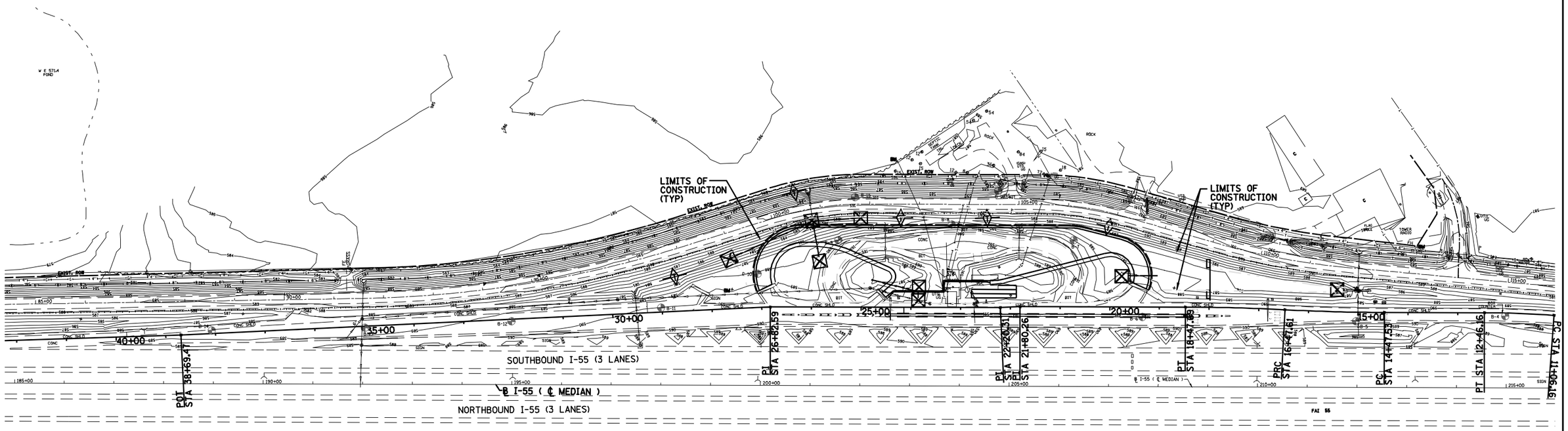
	PLOT DATE = Feb-23-2010 11:34:53AM	CHECKED - PJM	REVISED -		
		DATE - 11/27/06	REVISED -		

F.A.I RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
55	84-1-2WS-4	SANGAMON	36	14
		CONTRACT NO. 72D58		
	ILLINOIS FED. AID PROJECT			



NOTES:

1. SEE IDOT STANDARD 280001 (TEMPORARY EROSION CONTROL SYSTEMS) FOR DETAILS.
2. DISTURBED AREAS SHALL BE COVERED WITH TEMPORARY EROSION CONTROL SEEDING AS INDICATED IN THE SPECIAL PROVISIONS.

LEGEND:

- PERIMETER EROSION CONTROL BARRIER
- TEMPORARY DITCH CHECK
- INLET AND PIPE PROTECTION W/ SILT FILTER FENCE OR STRAW / HAY BALES.

N

100 0 100

SCALE IN FEET

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	PLOT DATE = Feb-23-2010 09:41:32AM	CHECKED - PJM	REVISED -
		DATE - 11/27/06	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

TEMPORARY EROSION CONTROL PLAN (SWPPP)

SCALE: 1"=100' | SHEET NO. 15 OF 36 SHEETS | STA. | TO STA.

F.A.I RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
55	84-1-2WS-4	SANGAMON	36	15
		CONTRACT NO. 72D58		
		ILLINOIS FED. AID PROJECT		

STORM WATER POLLUTION PREVENTION PLAN

Route: FAI RTE 55 Marked: I-55

Section: 84-1-2WS-4 Project No.:

County: SANGAMON Contract No.: 72D58

This plan has been prepared to comply with the provision 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 document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel gathered and evaluated the information submitted. Based on my inquire of the person or persons who manage the system, or those persons directly responsible for gathering 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 for knowing violations.

(Signature) 2/23/10 (Date)

Region 4 Engineer (Title)

Note: The above boxed in area will be filled out by IDOT - Construction after the award of the contract to obtain the required NPDES permit.

The following plan was established and included in these plans 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 Contractor shall abide to all requirements within this plan as part of the contract.

The purpose of this plan is to prevent / minimize siltation within the construction zone and to eliminate sediments from entering and leaving the construction zone by utilizing proper temporary erosion control systems and providing ground cover within a reasonable time.

Certain items, as shown in this plan and referenced by the legend, shall be placed by the Contractor at the beginning of construction. Other items shall be placed by the Contractor as directed by the Engineer on a case by case situation resulting from the Contractor's sequence of activities, time of the year, and expected weather conditions.

The Contractor shall place permanent erosion control systems and seeding within a reasonable amount of time; therefore, reducing the amount of area being open to the possibility of erosion and reducing the amount of temporary erosion control systems and temporary seeding. The Resident Engineer will determine if temporary erosion control systems shown in the plan can be deleted, the size of the proposed ditch checks, the proper method of installation, and if any additional temporary erosion control systems shall be added which are not included in this plan. The Contractor shall perform all work as directed by the Engineer and as shown in special details and in Standard 280001 of the plans.

The special provisions Temporary Seeding, Temporary Erosion Control Seeding, and Temporary Erosion Control additionally supplement this plan.

All disturbed areas having high potential for erosion, as determined by the Engineer, shall be temporarily seeded or permanently seeded by October 1st of each construction year and shall not be reopened until after the winter shutdown period.

SITE DESCRIPTION

Description of Construction Activity:

1. The Williamsville Weigh Station Improvement is located off of FAI Rte. 55 (I-55 SBL) approximately two miles south west of Williamsville, Illinois.

2. The referenced project consist of the construction of concrete pavement, ramps and parking areas, combination concrete curb and gutter, concrete shoulders, ditches, storm sewers, grading and lighting of the Williamsvile Weigh Station Area and all work incidental to these procedures.

Description of Intended Sequence of Major Construction Activities Which Will Disturb Earth and Lead to Possible Erosion for Major Portions of the Construction Site:

1. Excavation will be completed along the entire length to strip topsoil and vegetation for proposed ditches, embankments, installation of drainage structures and grading for ramps, parking areas, curb and gutter, and pavement.

2. Excavation will also be completed in proposed cut sections to lower the existing ground elevation to meet the proposed ramps, parking areas, and pavement grade/ vertical alignment.

3. Embankment will be completed in fill areas to raise the existing ground elevation to meet the proposed ramps, parking areas, and pavement foreslope and backslope.

4. Drainage structures will be installed before and/or during the construction of the excavation and embankment to allow proper drainage across the proposed ramps, parking areas, and concrete pavement.

5. Placement, maintenance, removal and proper clean-up of temporary erosion control, such as perimeter erosion barrier, temporary ditch checks, storm drain inlet protection, and temporary seeding.

6. Placement of permanent erosion control, such as stone dumped riprap, seeding, and mulch.

7. Final grading, paving, lighting and other miscellaneous items.

Area of Construction Site:
The total drainage area entering and including the construction site is estimated to be approx. 2,200 sq miles in which 3.4 acres will be disturbed by excavation, grading or other activities.

Other Reports, Studies and Plans which Aid in the Development of this Storm Water Pollution Prevention Plan as Referenced Documents:

1. Estimated run-off coefficients are contained in the project drainage study which were utilized for proposed placement of the temporary erosion control systems.

2. Information on the soils within the site was obtained from field reviews which were utilized for proposed placement of the temporary erosion control systems.

3. Site maps indicating drainage patterns and approximate slopes were contained in the project design report, USGS drainage maps, project drainage study, and project plan documents were all utilized for proposed placement of the temporary erosion control systems.

Drainage Tributaries Receiving Water from this Construction Site:

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		DRAWN - CADD	REVISED -
	PLOT SCALE = 40.000 ' / IN.	CHECKED - JCN	REVISED -
SWPPLAN.DGN	PLOT DATE = Feb-23-2010 09:35:41AM	DATE - APRIL 5, 1999	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

STORM WATER POLLUTION PREVENTION PLAN

SCALE: | SHEET NO. 16 OF 36 SHEETS | STA. | TO STA.

F.A.I RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
55	84-1-2WS-4	SANGAMON	36	16
		CONTRACT NO. 72D58		
		ILLINOIS FED. AID PROJECT		

CONTROLS - EROSION CONTROLS AND SEDIMENT CONTROLS

Description of Stabilization Practices at the Beginning of Construction:

1. The area between the existing and proposed right-of-way/temporary easement boundaries and limits of the project will be improved and managed for the purposes of controlling erosion within the area, reducing water flow by temporary diversion and minimizing siltation into the construction zone, and establishing vegetative cover which will become permanent vegetation and act as an erosion barrier. Work at the beginning of construction will consist of the following:

   (a) Areas of existing vegetation (woods and grasslands) outside the proposed construction slope limits shall be identified for preserving and shall be protected from mowing, brush cutting, tree removal and other activities which would be detrimental to their maintenance and development.

   (b) Dead, diseased, or unsuitable vegetation within the site shall be removed as directed by the Engineer, along with required tree removal.

   (c) As soon as reasonable access is available (such as trees cleared) to all locations where water drains away from the project, sediment basins, riprap ditch checks, temporary ditch checks, and/or erosion control fence shall be installed as called out in this plan and directed by the Engineer.

   (d) Bare and sparsely vegetated ground in highly erodable areas as determined by the Engineer shall be temporarily seeded at the beginning of construction where no construction activities are immediately expected as stated in the special provision "Temporary Erosion Control Seeding".

   (e) Immediately after tree removal is completed in certain areas which are highly erodable areas as determined by the Engineer, the areas shall be temporarily seeded where no construction activities are immediately expected as stated in the special provision *Temporary Erosion Control Seeding*.

   (f) At locations where a significant amount of water drains into the construction zone from outside areas (adjacent landowners), erosion control fence, temporary ditch checks, or riprap ditch checks will be utilized to locally divert water, reduce flow rates, and collect outside siltation inside the right-of-way line. Erosion control items will not be allowed to be installed to cause flooding to upstream private property which could cause crop damages or other undesireable conditions.

2. Establishment of these temporary erosion control measures will have additional benefits to the project. Desirable grass seed will become established in these areas and will spread seeds onto the construction site until permanent seeding/mowing and overseeding can be complete.

3. A third benefit of these filter areas is that they will begin to provide a screen and buffer. They will help protect the construction site from winds and excess sun and mitigate construction noise and dust.

Description of Stabilization Practices During Construction:

1. During roadway construction, areas outside the construction slope limits as outlined previous herein shall be protected from damaging effects of construction. The Contractor shall not use this area for staging (except as designated on the plans or directed by the Engineer), parking of vehicles or construction equipment, storage of materials, or other construction related activities.
   (a) Within the construction zone, critical areas which have high flows of water as determined by the Engineer shall remain undisturbed until full scale construction is underway to prevent unnecessary soil erosion.
   (b) Top soil and earth stockpiles shall be temporarily seeded if they are to remain unused for more than fourteen days.
   (c) As the Contractor constructs a portion of roadway in a fill section, he/she shall follow the following steps as directed by the Engineer:

   i. Place temporary erosion control systems at locations where water leaves and enters the construction zone
   ii. Temporary seed highly erodable areas outside the construction slope limits
   iii. Construct roadside ditches and provide temporary erosion control systems
   iv. Temporary divert water around proposed culvert locations
   v. Build necessary embankment at culvert locations and then excavate and place culvert
   vi. Continue building up the embankment to the proposed grade while at the same time place permanent erosion control such as riprap ditch lining and conduct final shaping to the slopes

   (d) The Contractor shall immediately follow major earth moving operations with final grading equipment. After the major earth spread operation has moved to a new location, final grading shall be completed within fourteen days. If grading is not completed within fourteen days, all major earth moving operations will be stopped, as directed by the Engineer, until disturbed areas are final graded and seeded.

   (e) Excavated areas and embankments shall be permanently seeded when final graded. If not, they shall be temporarily seeded as stated in the special provision "Temporary Erosion Control Seeding".

   (f) Construction equipment shall be stored and fueled only at designated locations. All necessary measures shall be taken to contain any fuel or pollution run-off in compliance with EPA water quality regulations. Leaking equipment or supplies shall be immediately repaired or removed from the site.

   (g) The Resident Engineer shall inspect the project daily during activities and weekly or after large rains during the winter shutdown period. The project shall additionally be inspected by the Construction Field Engineer on a bi-weekly basis to determine that erosion control efforts are in place and effective and if other control work is necessary.

   (h) Sediment collected during construction by the various temporary erosion control systems shall be disposed of on the site on a regular basis as directed by the Engineer. The cost of this maintenance will be paid for in accordance with Article 109.04 of the Standard Specifications.

   (i) The temporary erosion control systems shall be removed as directed by the Engineer after use is no longer needed or no longer functioning. The costs of this removal shall be included in the unit bid price for the temporary erosion control system. No additional compensation will be allowed.

Description of Structural Practices After Final Grading:

1. Temporary erosion control systems shall be left in place with proper maintenance until permanent erosion control is in place and working properly and all proposed turf areas seeded and established with a proper stand.

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 reseeded. Temporary riprap ditch checks will be allowed to remain in place where approved by the Engineer.

Maintenance after Construction:

1. Construction is complete after acceptance is received at the final inspection.

2. Areas will be inspected on a regular basis by IDOT District 6 Bureau of Operations.

3. Maintenance crews will perform regular mowings to aid in keeping weeds down and establishing a good roadside seed stand.

4. Maintenance crews will also aid in any ditch lining maintenance or in any drainage problems.

5. All maintenance will be conducted at times when weather conditions will not cause site damage.

DOCUMENTATION

1. A report summarizing the scope of the inspection, name(s) and qualifications of personnel making the inspection, date(s) of the inspection, major observations relating to the implementation of this storm water pollution prevention plan, and actions taken in accordance with Section 4.b. shall be made and retained as part of the plan for at least three years after the date of inspection. The report shall be signed in accordance with part VI.G of the general permit.

2. If any violation of the provisions of this plan is identified during the conduct of the construction work covered by this plan, the Resident Engineer or Resident Technician shall complete and file an "Incident of Noncompliance (ION)" report for the identified violation. The Resident Engineer or Resident Technician shall use forms provided by the Illinois Environmental Protection Agency and shall include specific information on the noncompliance, actions which were taken to prevent any further causes of noncompliance, and a statement detailing any environmental impact which may have resulted from the noncompliance. All reports of noncompliance shall be signed by a responsible authority in accordance with Part VI.G. of the general permit. The report of noncompliance shall be mailed to the following address:

   Illinois Environmental Protection Agency
   Division of Water Pollution Control
   2200 Churchill Road, P.O. Box 19276
   Springfield, IL 62794-9276
   Attn: Compliance Assurance Section

FILE NAME = c:\pw_work\PWIDOT\LAUGHLINRL\d0187896\I6_19-D100681_swpplan.dgn	USER NAME = laughlinrl	DESIGNED -	REVISED - AUG 2007 (JCN)	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	STORM WATER POLLUTION PREVENTION PLAN	F.A.I RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
		DRAWN - CADD	REVISED -			55	84-1-2WS-4	SANGAMON	36	17
SWPPLAN.DGN	PLOT SCALE = 40.000 ' / IN.	CHECKED - JCN	REVISED -					CONTRACT NO. 72D58		
	PLOT DATE = Feb-23-2010 09:41:39AM	DATE - APRIL 5, 1999	REVISED -		SCALE: SHEET NO. 17 OF 36 SHEETS STA. TO STA.			ILLINOIS FED. AID PROJECT		

CONTRACTOR CERTIFICATION STATEMENT

This certification statement is part of the Storm Water Pollution Plan for the project described below in accordance with NPDES Permit No. ILR10 _____, issued by the Illinois Environmental Protection Agency on _____.

Route: FAI RTE 55 Marked: I-55

Section: 84-1-2WS-4 Project No.: _____

County: SANGAMON Contract No.: 72D58

I certify under penalty of law that I understand the terms of the general National Pollutant Discharge Elimination System (NPDES) permit that authorizes the storm water discharges associated with industrial activity from the construction site identified as part of this certification.

Signature _____ Date _____

Title _____

Name of Firm _____

Street Address _____

City, State, Zip _____

Phone Number _____

Note: The above boxed in area shall be filled out by the Contractor after the award of the contract to obtain the required NPDES Permit from IEPA. This is a requirement for this contract.

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		DRAWN - CADD	REVISED -					55	84-1-2WS-4	SANGAMON	36	18
SWPPLAN.DGN	PLOT SCALE = 40.000 ' / IN.	CHECKED - JCN	REVISED -							CONTRACT NO. 72D58		
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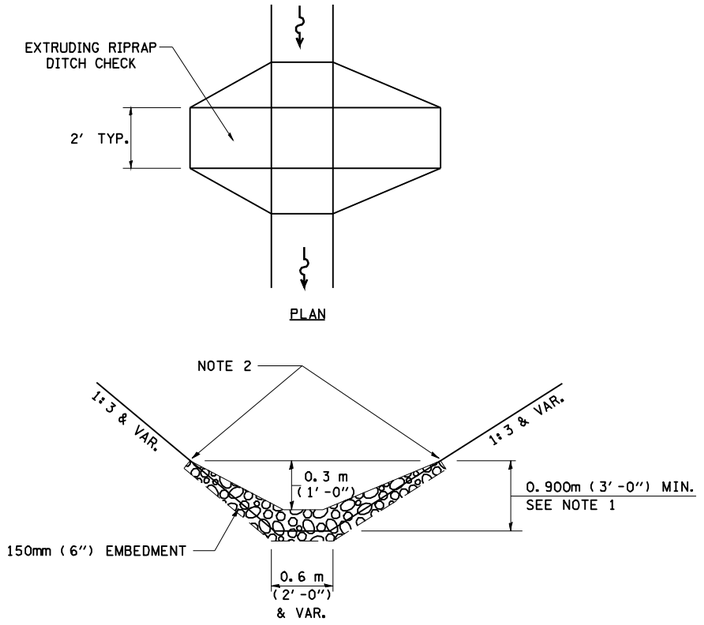
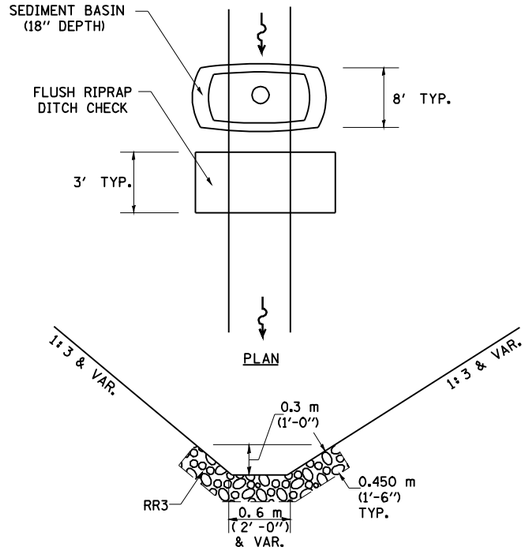


ELEVATION

OPTION 1

(EXTRUDING DITCH CHECK)
RECOMMENDED FOR AREAS
W/ RIPRAP DITCH LINING



ELEVATION

OPTION 2

(FLUSH DITCH CHECK)
RECOMMENDED FOR AREAS
W/O RIPRAP DITCH LINING

STONE DUMPED RIPRAP DITCH CHECK

(TYPICAL & OPTIONS 1 & 2
AS DIRECTED BY THE ENGINEER)

NOTE 1: RIPRAP SHALL EXTEND FAR ENOUGH UP THE SLOPES TO ALLOW 0.3m (1') OVERTOPPING TO AVOID ERODING AROUND THE EDGES OF THE RIPRAP.

NOTE 2: ENDS SHALL BE TIED INTO SLOPES.

LEGEND FOR STORM WATER POLLUTION PREVENTION PLAN

ITEM	SYMBOL
AGGREGATE (EROSION CONTROL) [STONE DUMPED RIPRAP DITCH CHECKS: Height = 0.6m (2')]	
TEMPORARY DITCH CHECKS	
INLET PIPE PROTECTION (I&PP)	
EROSION CONTROL FENCE	
EARTH EXCAVATION FOR EROSION CONTROL (SEDIMENT BASINS)	
PRESERVE EXISTING TREES, WOODLANDS, AND UNDERSTORY (OUTSIDE CONSTRUCTION LIMITS)	
ITEM PLACED AT BEGINNING OF CONSTRUCTION (Requirement)	* ITEM *
ITEM PLACED AS DIRECTED BY ENGINEER (When required by situation)	ITEM
DIRECTION OF OVERLAND FLOW	

GENERAL NOTES:

All Items shall be constructed as shown on this sheet, on Standard 280001, and as directed by the Engineer.

The symbology on the STORM WATER POLLUTION PREVENTION PLAN sheets does not represent the size or quantity of bales, for number of bales refer to details and notes shown on this sheet and/or as directed by the Engineer.

THE CONTRACTOR SHALL INSTALL DITCH CHECKS AS DIRECTED BY THE ENGINEER. IF THE ENGINEER ELECTS TO UTILIZE FLUSH RIPRAP DITCH CHECKS IN LIEU OF TEMPORARY DITCH CHECKS AS SHOWN ON THE FOLLOWING PLAN SHEETS, THE SPACING SHOULD BE DOUBLED.

FILE NAME = c:\pw_work\PWIDOT\LAUGHLINRL\d0187096\I6_19-D100681_swpplan.dgn	USER NAME = laughlinrl	DESIGNED -	REVISED - AUG 2007 (JCN)
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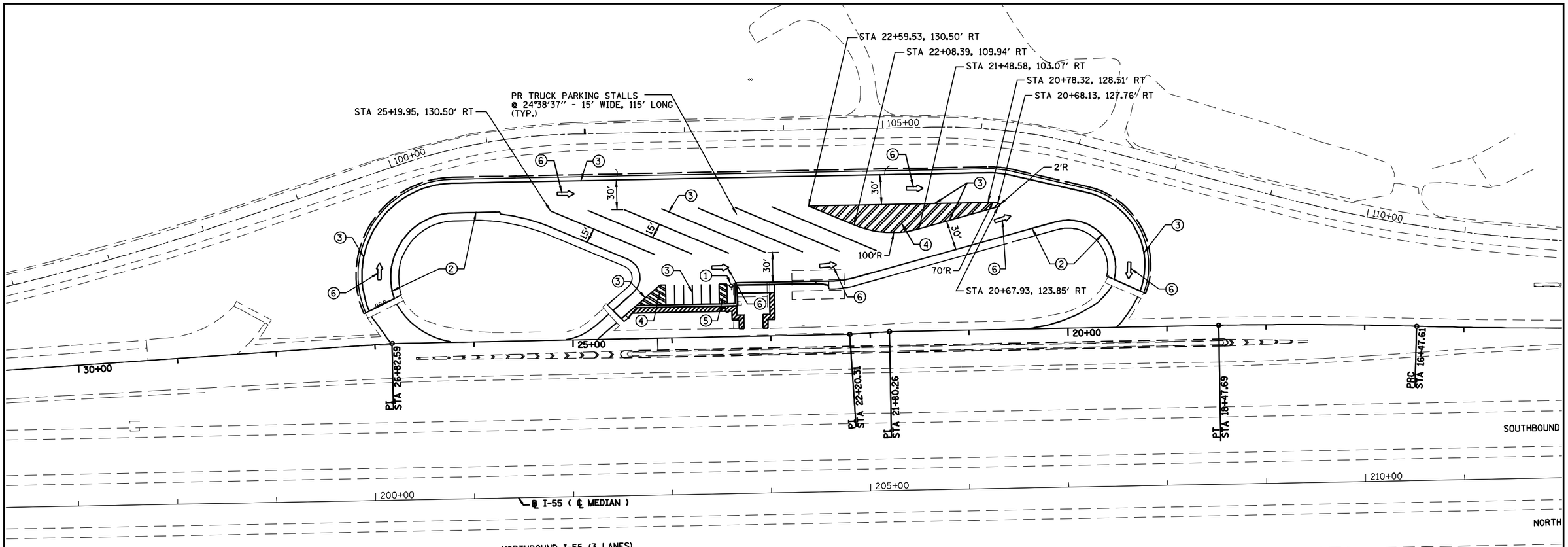
	PLOT DATE = Feb-23-2010 09:41:45AM	CHECKED - JCN	REVISED -
		DATE - APRIL 5, 1999	REVISED -

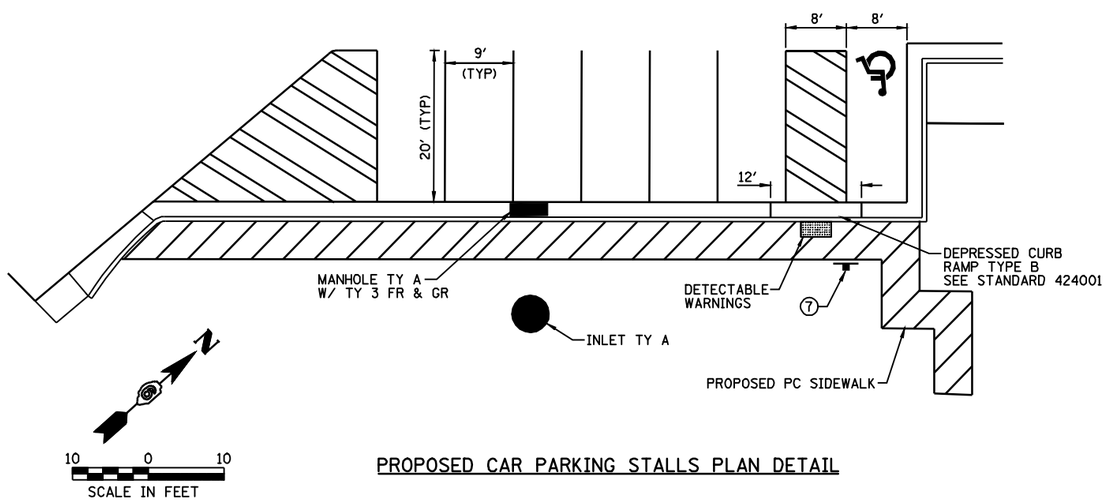
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

STORM WATER POLLUTION PREVENTION PLAN

SCALE: | SHEET NO. 19 OF 36 SHEETS | STA. | TO STA.

F.A.I RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
55	84-1-2WS-4	SANGAMON	36	19
		CONTRACT NO. 72D58		
	ILLINOIS	FED. AID PROJECT		

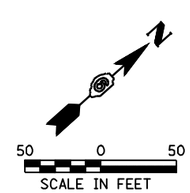




PROPOSED CAR PARKING STALLS PLAN DETAIL

LEGEND

1. PREFORMED PLASTIC PAVEMENT MARKING, TYPE B - LETTERS AND SYMBOLS (SEE MISCELLANEOUS DETAILS)
2. URETHANE PAVEMENT MARKING - LINE 5" (SOLID WHITE)
3. URETHANE PAVEMENT MARKING - LINE 5" (SOLID YELLOW)
4. URETHANE PAVEMENT MARKING - LINE 12" (SOLID YELLOW) @ 4' SPACING
5. URETHANE PAVEMENT MARKING - LINE 5" (SOLID YELLOW) @ 4' SPACING
6. ⇨ PLAN DIRECTION TRAFFIC FLOW ARROW - NOT PAVEMENT MARKING SYMBOL
7. SIGN R7-8 AND R7-I101 WITH POST (SEE MISCELLANEOUS DETAILS)



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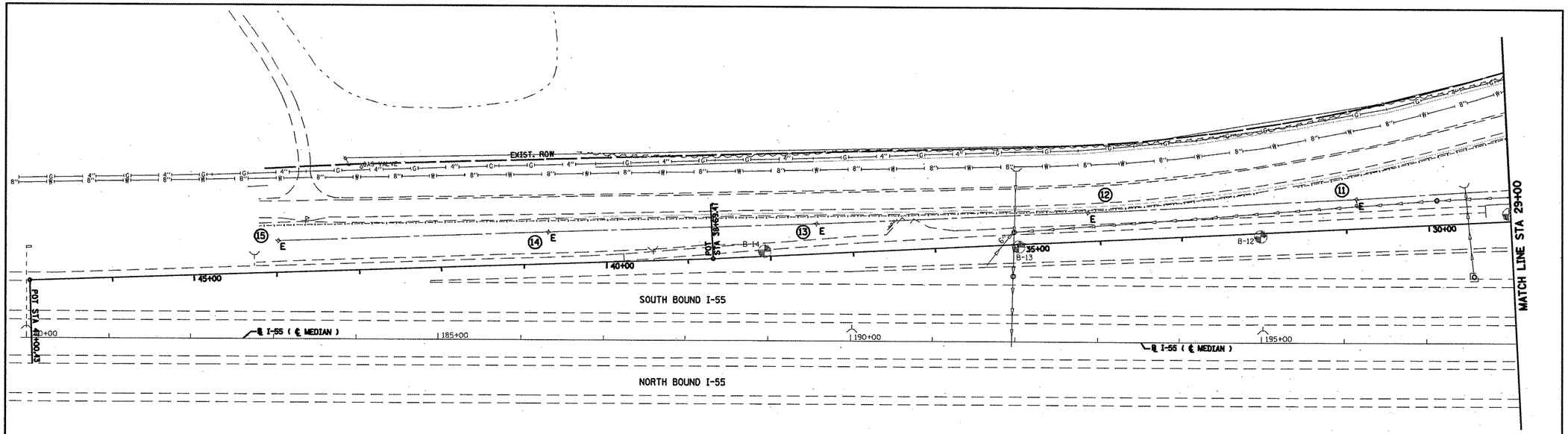
	PLOT DATE = Feb-23-2010 09:41:47AM	CHECKED - PJM	REVISED -		
		DATE - 11/27/06	REVISED -		

F.A.I RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
55	84-1-2WS-4	SANGAMON	36	20
		CONTRACT NO. 72D58		
	ILLINOIS FED. AID PROJECT			



LEGEND

⑥ E — EXISTING LIGHTING UNIT TO REMAIN

R — EXISTING LIGHTING UNIT TO BE REMOVED, SALVAGE

① — LIGHT POLE, WEATHERING STEEL, 50 FT. M.H., TENON MOUNT WITH 400W HPS MULTI-MOUNT LUMINAIRE

——— EXISTING UNIT DUCT TO REMAIN

CABLE / CONDUIT SCHEDULE

Ⓐ UNIT DUCT, 600V, 2-1C No. 8, I/C NO. 8 GROUND, (XLP-TYPE USE), ¾" DIA. POLYETHYLENE

Ⓑ UNIT DUCT, 600V, 2-1C No. 4, 1/C NO. 6 GROUND, (XLP-TYPE USE) 1" DIA. POLYETHYLENE

Ⓒ CONDUIT IN TRENCH, 2" DIA., PVC

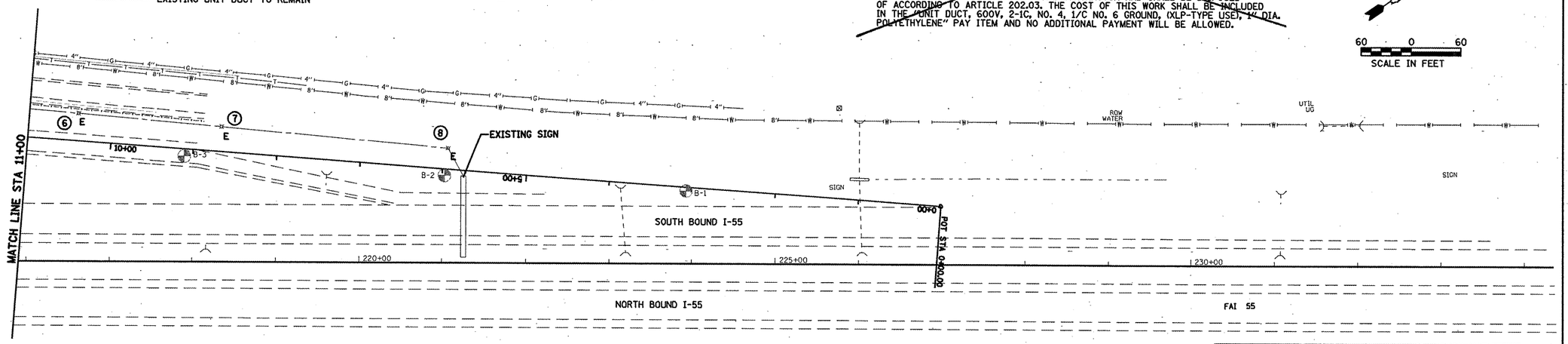
Ⓓ CONDUIT AUGERED, 2" DIA., PVC

NOTES:

1. POLE NUMBER 1 SHALL BE INSTALLED WITH BREAKAWAY COUPLINGS.
2. LUMINARIES SHALL NOT BE SALVAGED BUT SHALL BECOME THE PROPERTY OF THE CONTRACTOR AND SHALL BE DISPOSED OF ACCORDING TO ARTICLE 202.03. THE COST OF THIS WORK, INCLUDING REMOVAL OF THE LUMINARIES FROM THE LIGHT POLES, SHALL BE INCLUDED IN THE "REMOVAL OF LIGHTING UNIT, SALVAGE" PAY ITEM AND NO ADDITIONAL PAYMENT WILL BE ALLOWED.
3. SPLICE PROPOSED ELECTRIC CABLE TO EXISTING IN POLE HANDHOLE. REMOVE EXISTING ELECTRIC CABLE AND DUCT AS NEEDED. ALL REMOVED MATERIALS SHALL BECOME THE PROPERTY OF THE CONTRACTOR AND SHALL BE DISPOSED OF ACCORDING TO ARTICLE 202.03. THE COST OF THIS WORK SHALL BE INCLUDED IN THE "UNIT DUCT, 600V, 2-1C, NO. 4, 1/C NO. 6 GROUND, (XLP-TYPE USE), 1" DIA. POLYETHYLENE" PAY ITEM AND NO ADDITIONAL PAYMENT WILL BE ALLOWED.

N

60 0 60
SCALE IN FEET



NOTE:
LIGHTING AND ELECTRICAL DESIGN WAS PERFORMED BY THE ILLINOIS DEPARTMENT OF TRANSPORTATION.

FOR INFORMATION ONLY

Rev.

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	PLOT DATE = Feb-23-2010 09:41:58AM	DATE - 11/27/06	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

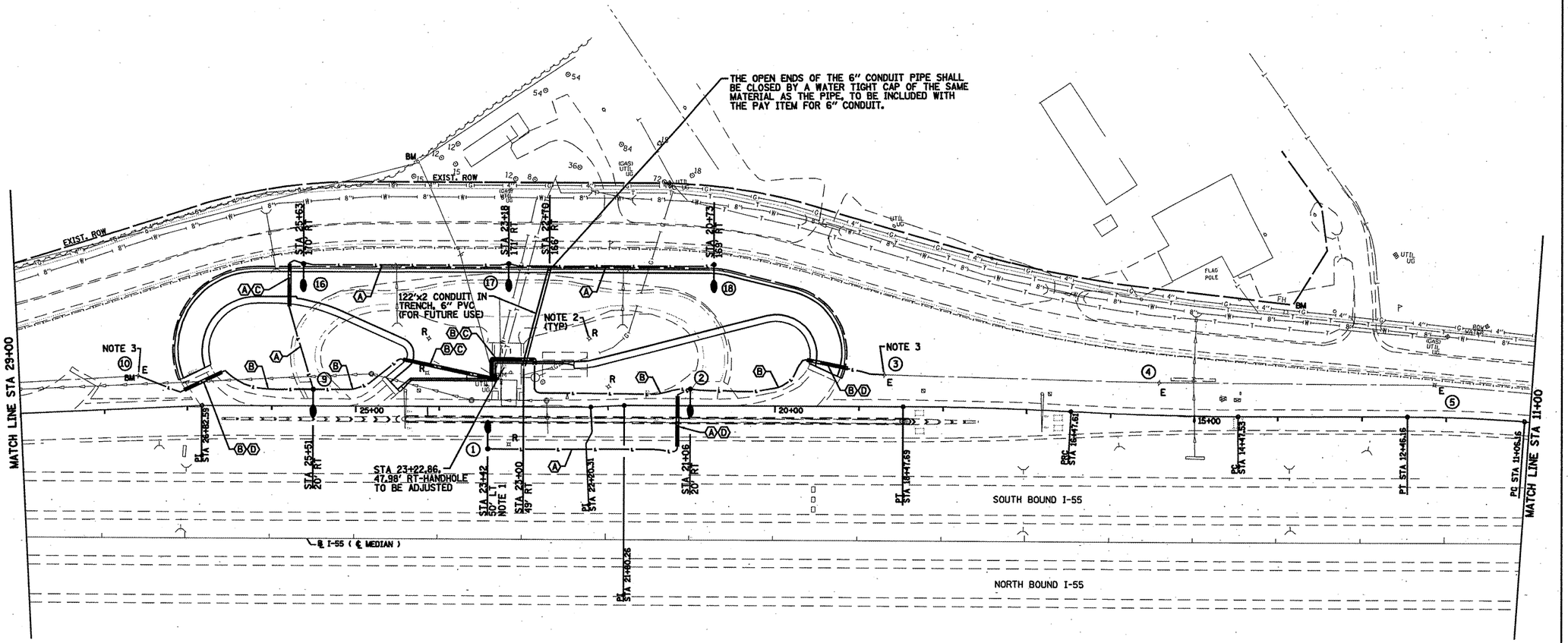
LIGHTING PLAN

SCALE: | SHEET NO. 21 OF 36 SHEETS | STA. | TO STA.

F.A.I RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
55	84-1-2WS-4	SANGAMON	36	21
		CONTRACT NO. 72D58		
		ILLINOIS FED. AID PROJECT		

EARNSWORTH GROUP INC. CONSULTING ENGINEERS 2709 MCGRAW DRIVE BLOOMINGTON, ILLINOIS 61704 (309) 663-8435 / (309) 663-1571 FAX

24-6799



LEGEND

- (6) E — EXISTING LIGHTING UNIT TO REMAIN
- R — EXISTING LIGHTING UNIT TO BE REMOVED, SALVAGE
- (1) — LIGHT POLE, WEATHERING STEEL, 50 FT. M.H., TENON MOUNT WITH 400W HPS MULTI-MOUNT LUMINAIRE
- ——— EXISTING UNIT DUCT TO REMAIN

CABLE / CONDUIT SCHEDULE

- (A) UNIT DUCT, 600V, 2-1C No. 8, 1/C NO. 8 GROUND, (XLP-TYPE USE), 3/4" DIA. POLYETHYLENE
- (B) UNIT DUCT, 600V, 2-1C No. 4, 1/C NO. 6 GROUND, (XLP-TYPE USE) 1" DIA. POLYETHYLENE
- (C) CONDUIT IN TRENCH, 2" DIA., PVC
- (D) CONDUIT AUGERED, 2" DIA., PVC

NOTES:

1. POLE NUMBER 1 SHALL BE INSTALLED WITH BREAKAWAY COUPLINGS.
2. LUMINARIES SHALL NOT BE SALVAGED BUT SHALL BECOME THE PROPERTY OF THE CONTRACTOR AND SHALL BE DISPOSED OF ACCORDING TO ARTICLE 202.03. THE COST OF THIS WORK, INCLUDING REMOVAL OF THE LUMINARIES FROM THE LIGHT POLES, SHALL BE INCLUDED IN THE "REMOVAL OF LIGHTING UNIT, SALVAGE" PAY ITEM AND NO ADDITIONAL PAYMENT WILL BE ALLOWED.
3. SPLICE PROPOSED ELECTRIC CABLE TO EXISTING IN POLE HANDHOLE. REMOVE EXISTING ELECTRIC CABLE AND DUCT AS NEEDED. ALL REMOVED MATERIALS SHALL BECOME THE PROPERTY OF THE CONTRACTOR AND SHALL BE DISPOSED OF ACCORDING TO ARTICLE 202.03. THE COST OF THIS WORK SHALL BE INCLUDED IN THE "UNIT DUCT, 600V, 2-1C, NO. 4, 1/C NO. 6 GROUND, (XLP-TYPE USE), 1" DIA. POLYETHYLENE" PAY ITEM AND NO ADDITIONAL PAYMENT WILL BE ALLOWED.

LIGHT POLES SHALL BE SALVAGED AND DELIVERED TO THE 100T DISTRICT 6 SIGN SHOP AT 701 N. MACARTHUR BLVD., SPRINGFIELD, IL.

60 0 60
SCALE IN FEET

NOTE:
LIGHTING AND ELECTRICAL DESIGN WAS PERFORMED BY THE ILLINOIS DEPARTMENT OF TRANSPORTATION.

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FILE NAME = c:\pw_work\PWIDOT\LAUGHLINRL\d0187096\S1_26-0100681.Lighting.dgn	USER NAME = laughlinrl	DESIGNED - ERB	REVISED - DRR 02/22/10	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	LIGHTING PLAN
	PLOT SCALE = 120.0000 ' / IN.	DRAWN - JJ	REVISED -		
	PLOT DATE = Feb-23-2010 09:41:53AM	CHECKED - PJM	REVISED -		SCALE: SHEET NO. 22 OF 36 SHEETS STA. TO STA.
		DATE - 11/27/06	REVISED -		

F.A.I RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
55	84-1-2WS-4	SANGAMON	36	22
		CONTRACT NO. 72D58		
		ILLINOIS FED. AID PROJECT		

EARNSWORTH GROUP INC. CONSULTING ENGINEERS 2709 MCGRAW DRIVE BLOOMINGTON, ILLINOIS 61704 (309) 663-8435 / (309) 663-1571 FAX

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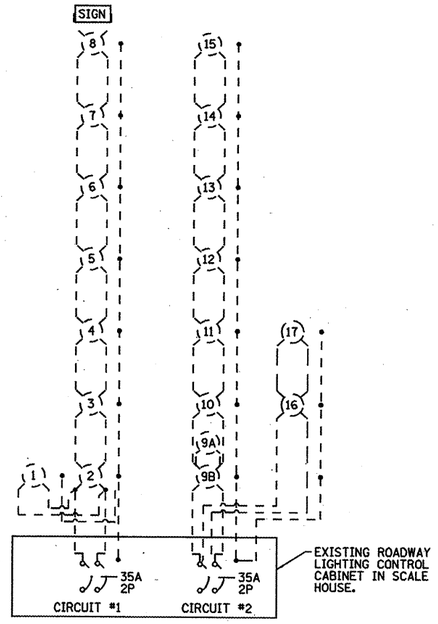
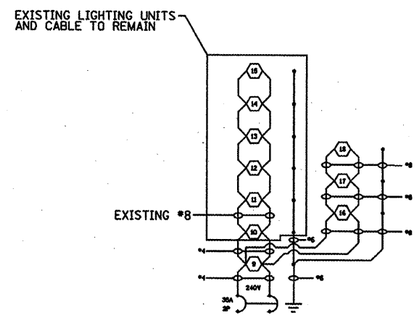
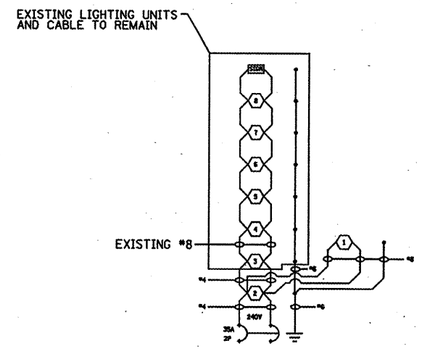


EXISTING WIRING DIAGRAM
(FOR INFORMATION ONLY)

NOTE:
LIGHTING AND ELECTRICAL DESIGN WAS PERFORMED BY THE ILLINOIS DEPARTMENT OF TRANSPORTATION.



LIGHTING CKT 1
EXISTING LIGHTING CONTROLLER IN SCALE HOUSE



LIGHTING CKT 2
EXISTING LIGHTING CONTROLLER IN SCALE HOUSE

NOTES:
1. ALL NECESSARY REVISIONS TO THE WIRING SHOWN ON THIS SHEET SHALL BE MADE AT NO ADDITIONAL COST TO THE DEPARTMENT AND TO THE SATISFACTION OF THE ENGINEER.
2. CONTRACTOR SHALL REUSE EXISTING CIRCUIT BREAKERS IN THE EXISTING LIGHTING CONTROLLER LOCATED IN THE SCALE HOUSE. THE COST OF THIS WORK, INCLUDING CONNECTION AND TERMINATION OF THE LIGHTING CIRCUITS, SHALL BE INCLUDED IN THE "UNIT DUCT, 600V, 2-1C NO.4, 1/C NO. 6 GROUND, (XLP-TYPE USE), 1" DIA. POLYETHYLENE" PAY ITEM. NO ADDITIONAL PAYMENT SHALL BE MADE.

⬡ 400W ROADWAY LUMINAIRE
EXISTING SIGN LIGHTING

To Existing Lighting Panel in the Scale House

2/18/2010

ILLINOIS DEPARTMENT OF TRANSPORTATION
LUMINAIRE PERFORMANCE TABLE
SOUTHBOUND WILLIAMSVILLE WEIGH STATION
Entrance, Exit and Interior Roadways

GIVEN CONDITIONS

ROADWAY DATA:	Pavement Width	35 FT
	Number Of Lanes	2
	Median Width	N/A
	IES Surface Classification	R3
	Q-Zero Value	.07
LIGHT POLE DATA:	Mounting Height	50 FT
	Mast Arm Length	N/A
	Pole Set-Back From Edge Of Pavement	20 FT
LUMINAIRE DATA:	Lamp Type	HPS
	Lamp Lumens	50000
	IES Vertical Distribution	L
	IES Control Of Distribution	NC
	IES Lateral Distribution	4
	Total Light Loss Factor	.684
LAYOUT DATA:	Spacing	445 FT
	Configuration	STAGGERED
	Luminaire Overhang Over Edge Of Pavement Lane	-20 FT

NOTE: Variations from the above specified IES distribution pattern may be requested and acceptance of variations will be subject to review by the Engineer based on how well the performance requirements are met.

PERFORMANCE REQUIREMENTS

NOTE: These performance requirements shall be the minimum acceptable standards of photometric performance for the luminaire, based on the given conditions listed above.

ILLUMINATION:	Average Horizontal Illumination, (E_{Ave})	0.6 fc
	Uniformity Ratio, (E_{Ave}/E_{Min})	3.0
LUMINANCE:	Average Luminance: (L_{Ave})	0.4 Cd/m^2
	Uniformity Ratios: (L_{Ave}/L_{Min})	3.5
	(L_{Max}/L_{Min})	6.0
	Maximum Veiling Luminance Ratio: (L_v/L_{Ave})	0.3

FOR INFORMATION ONLY

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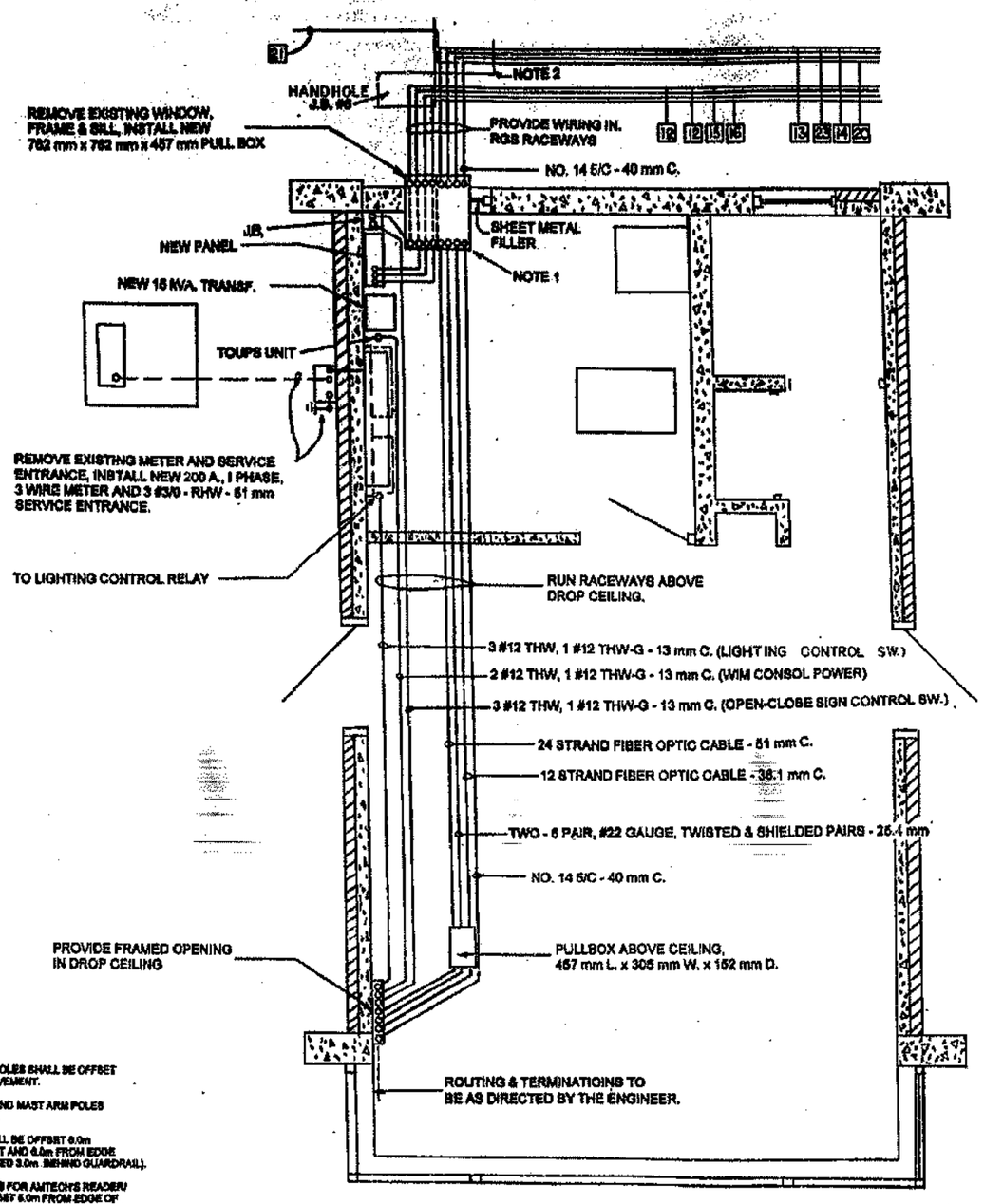
FILE NAME = c:\pw_work\PWIDOT\LAUGHLINRL\d0187896\Z26-0100681_Lighting.dgn	USER NAME = laughlinrl	DESIGNED - ERB	REVISED - DRR 02/22/10	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	LIGHTING PLAN WIRING DIAGRAM
		DRAWN - JJ	REVISED -		SCALE: SHEET NO. 23 OF 36 SHEETS STA. TO STA.
	PLOT SCALE = 120.0000 ' / IN.	CHECKED - PJM	REVISED -		
	PLOT DATE = Feb-23-2010 09:41:56AM	DATE - 11/27/06	REVISED -		

F.A.I RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
55	84-1-2WS-4	SANGAMON	36	23
		CONTRACT NO. 72D58		
		ILLINOIS FED. AID PROJECT		



LEGEND

1. PROP. UNIT DUCT, 2#6 XLP, 1#6 XLP-G, 25 mm, P
2. EXIST. CIRCUIT TO REMAIN
3. ABANDON EXISTING CIRCUIT (LEAVE UNIT DUCT AND WIRING IN PLACE; UNLESS EARTHWORK EXPOSES, THEN REMOVE-CONSIDERED INCIDENTAL)
4. PROP. PVC CONDUIT IN TRENCH, 100 mm, 18.0 m (SHARED BY UNIT DUCT & WIRING-(1) FOR LIGHTING AND UNIT DUCTS & WIRING (2) FOR HIGH SPEED W.I.M. SYSTEM)
5. EXIST. POLE TO REMAIN, REPLACE LUMINAIRE (INCLUDES REPLACEMENT OF LUMINAIRE AND WIRING IN PLACE; LUMINAIRE AND WIRING PAID FOR SEPARATELY)
6. EXIST. POLE, LUMINAIRE AND WIRING TO REMAIN
7. EXIST. POLE TO BE RELOCATED, REMOVE LIGHT POLE FOUNDATION-PARTIAL
8. PROP. LOCATION OF RELOCATED POLE WITH PROP. LUMINAIRE AND WIRING (EXIST. LUMINAIRE AND WIRING REMOVED CONSIDERED INCIDENTAL)
9. PROP. LIGHT POLE, STEEL 15.24 m MH TENSION MOUNT WITH PROP. LUMINAIRE AND WIRING.
10. SEVERAL UTILITIES EXIST IN THIS AREA AND CARE SHALL BE TAKEN WHILE TRENCHING. ANY REQUIRED REMOVAL AND REPLACEMENT OF P.C.C. SIDEWALK AS DETERMINED BY THE ENGINEER WILL BE CONSIDERED INCLUDED IN THE CONTRACT UNIT BID PRICE FOR TRENCHING AND BACKFILLING.
11. EXIST. POLE TO BE RELOCATED, REMOVE LIGHT POLE FOUNDATION-PARTIAL (PROVIDE WATERTIGHT SPLICES TO MAINTAIN EXISTING CIRCUIT IN OPERATION-CONSIDERED INCIDENTAL)
12. PROP. UNIT DUCT, 3#2 XLP, 1#2 XLP-G, 30 mm, P
13. PROP. UNIT DUCT, FIBER OPTIC CABLE NO. 62.6/125, 24F, 50 mm DIA, P.
14. PROP. UNIT DUCT, FIBER OPTIC CABLE NO. 62.6/125, 12F, 40 mm DIA, P.
15. PROP. UNIT DUCT, 3#8 XLP, 1#6 XLP-G, 20 mm, P.
16. PROP. UNIT DUCT, 3#10 XLP, 1#10 XLP-G, 20 mm, P.
17. PROP. PVC CONDUIT IN TRENCH, 75 mm; PROP. 2- ELECTRICAL CABLES IN CONDUIT NO. 14 3/C; PROP. 5- ELECTRICAL CABLES IN CONDUIT NO. 14 2/C TWISTED, SHIELDED; AND PROP. 1-ELECTRICAL CABLE IN CONDUIT NO. 18, 3 PAIR TWISTED, SHIELDED.
18. PROP. PVC CONDUIT IN TRENCH, 50 mm; PROP. 1- ELECTRICAL CABLES IN CONDUIT NO.14 3/C; PROP. 2- ELECTRICAL CABLES IN CONDUIT NO. 14 2/C TWISTED, SHIELDED; AND PROP. 1-ELECTRICAL CABLE IN CONDUIT NO. 18, 3 PAIR TWISTED, SHIELDED.
19. PROP. PVC CONDUIT IN TRENCH, 40 mm; AND PROP. 2-ELECTRICAL CABLES IN CONDUIT NO. 14 2/C TWISTED, SHIELDED.
20. PROP. PVC CONDUIT IN TRENCH, 40 mm; AND PROP. 1-ELECTRICAL CABLES IN CONDUIT NO. 14 2/C TWISTED, SHIELDED.
21. PROP. PVC CONDUIT IN TRENCH, 40 mm; PROP. 1-ELECTRICAL CABLES IN CONDUIT NO. 14 5/C AND PROP. 1-ELECTRICAL CABLES IN CONDUIT NO. 14 2/C TWISTED, SHIELDED.
22. PROP. PVC CONDUIT IN TRENCH, 40 mm; AND PROP. 1-ELECTRICAL CABLES IN CONDUIT NO. 14 5/C.
23. PROP. UNIT DUCT, COMMUNICATION CABLE 2-NO. 22, 6 PAIR TWISTED, SHIELDED, 20 mm DIA., P.

NOTES:
PROP. AND RELOCATED LIGHT POLES SHALL BE OFFSET 12.0 m FROM EDGE OF RAMP PAVEMENT.

PROP. TRAFFIC SIGNAL POLES AND MAST ARM POLES SHALL BE OFFSET AS DETAILED.

PROP. CONTROL CABINETS SHALL BE OFFSET 8.0m FROM EDGE OF RAMP PAVEMENT AND 6.0m FROM EDGE OF MAINLINE PAVEMENT (LOCATED 3.0m BEHIND GUARDRAIL).

PROP. CONCRETE FOUNDATIONS FOR AMTECH'S READER/ ANTENNA POLES SHALL BE OFFSET 5.0m FROM EDGE OF MAINLINE PAVEMENT (LOCATED 2.0m BEHIND GUARDRAIL).

PROP. HANDHOLES SHALL BE PLACED AT THE MOST FEASIBLE POSITION AS DETERMINED BY THE ENGINEER.

THE CONTRACTOR SHALL VERIFY LENGTHS OF MATERIALS REQUIRED PRIOR TO ORDERING MATERIALS. ALL LENGTHS SHOWN IN THE PLANS ARE ESTIMATED FOR BIDDING PURPOSES.

QUANTITIES INCLUDE SEPARATE TRENCHING AND BACKFILLING FOR ROADWAY LIGHTING. ◄ REPRESENTS THE ONLY COMMONLY SHARED CONDUIT FOR ROADWAY LIGHTING AND HIGH SPEED W.I.M.

SCALE HOUSE

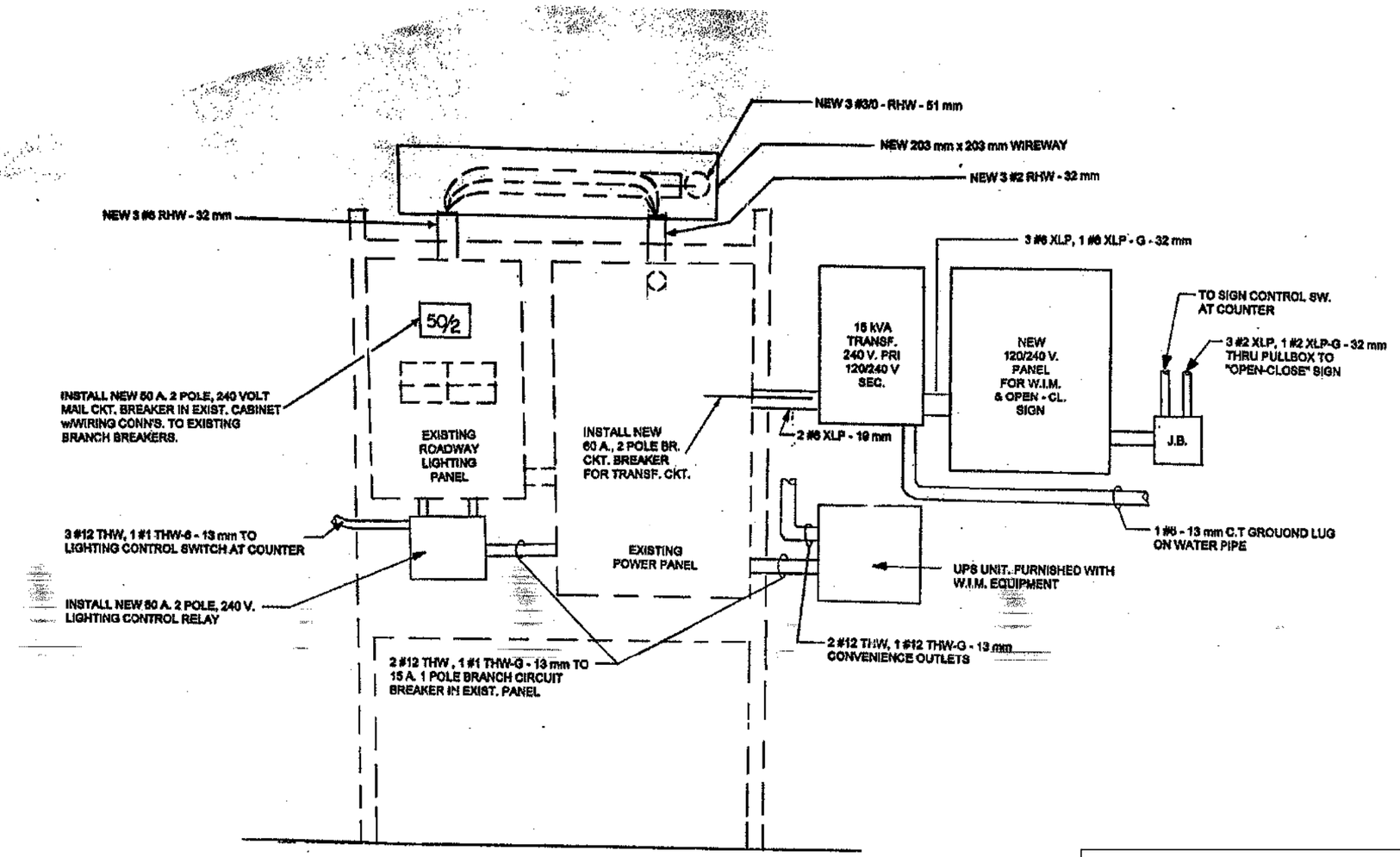
NOTES: 1) PROVIDE LONG RADIUS BENDS FOR RACEWAYS WITH FIBER OPTIC CABLES.

2) ONE #14 TWISTED & SHIELDED 2/C. PASSES THRU J.B. #6 FROM 20 TO 21

FOR INFORMATION ONLY

NOTE:
LIGHTING AND ELECTRICAL DESIGN WAS PERFORMED BY THE ILLINOIS DEPARTMENT OF TRANSPORTATION.

FILE NAME = c:\pw_work\PWIDOT\LAUGHLINRL\d0187896\Z...26-D120681_Lighting.dgn	USER NAME = laughlinrl	DESIGNED - ERB	REVISED - DRR 02/22/10	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	EXISTING SCALE HOUSE ELECTRICAL WORK COMPLETE	F.A.I RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
		DRAWN - JJ	REVISED -			55	84-1-2WS-4	SANGAMON	36	24
	PLOT SCALE = 120.0000 ' / IN.	CHECKED - PJM	REVISED -					CONTRACT NO. 72D58		
	PLOT DATE = Feb-23-2010 09:42:00AM	DATE - 11/27/06	REVISED -		SCALE: SHEET NO. 24 OF 36 SHEETS STA. TO STA.			ILLINOIS FED. AID PROJECT		



FOR INFORMATION ONLY

NOTE:
LIGHTING AND ELECTRICAL DESIGN WAS PERFORMED BY THE ILLINOIS DEPARTMENT OF TRANSPORTATION.

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		DRAWN - JJ	REVISED -			55	84-1-2WS-4	SANGAMON	36	25
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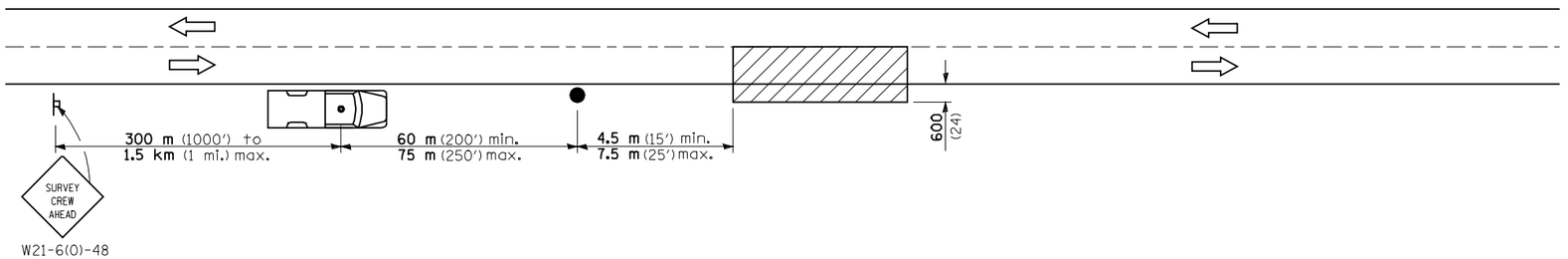

SYMBOLS

Work area

Sign on portable or permanent support

Truck with flashing amber light and dual emergency flashers

Flagger with traffic control sign

TYPICAL APPLICATIONS

Utility operations

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

NOTE:
LIGHTING AND ELECTRICAL DESIGN WAS PERFORMED BY THE ILLINOIS DEPARTMENT OF TRANSPORTATION.

DATE	REVISIONS

DETAIL FOR NIGHTTIME LIGHTING INSPECTION

LGT017.M32

FILE NAME = c:\pw_work\PWIDOT\LAUGHLINRL\d0187896\Z...26-D100681_Lighting.dgn	USER NAME = laughlinrl	DESIGNED - ERB	REVISED - DRR 02/22/10
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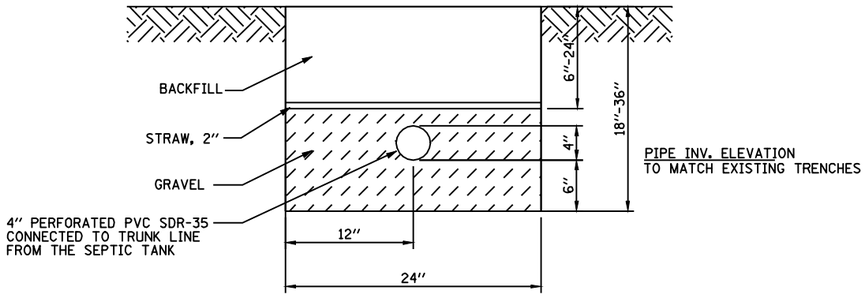
	PLOT DATE = Feb-23-2010 09:42:09AM	CHECKED - PJM	REVISED -
		DATE - 11/27/06	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

NIGHTTIME LIGHTING INSPECTION DETAIL

SCALE: | SHEET NO. 26 OF 36 SHEETS | STA. | TO STA.

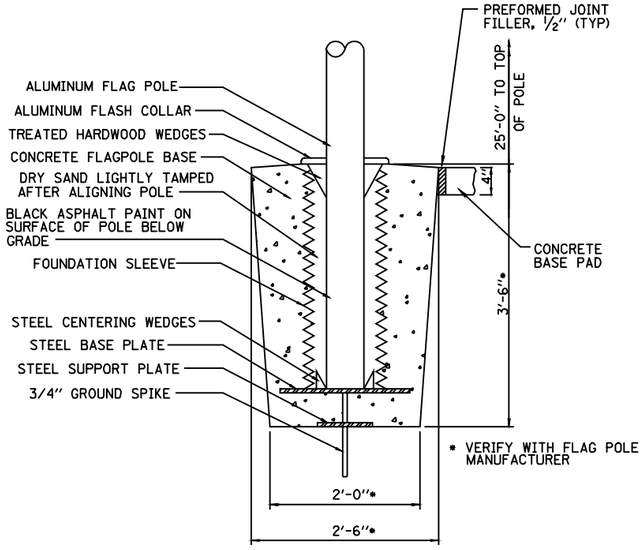
F.A.I RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
55	84-1-2WS-4	SANGAMON	36	26
		CONTRACT NO. 72D58		
	ILLINOIS FED. AID PROJECT			



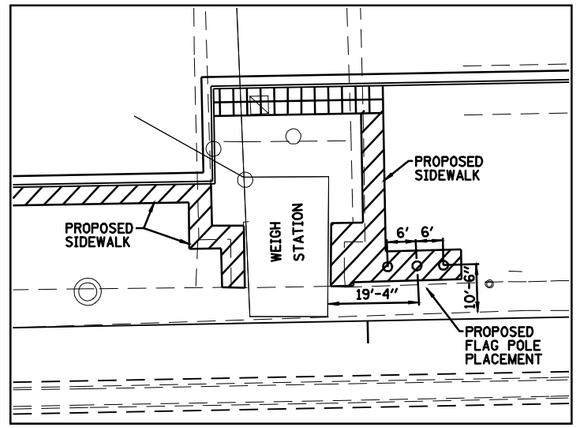
SEEPAGE FIELD TRENCH DETAIL

SEPTIC FIELD NOTES:

1. ALL MATERIAL AND INSTALLATION SHALL CONFORM WITH ALL REQUIREMENTS OF ILLINOIS DEPT. OF PUBLIC HEALTH AND PRIVATE SEWAGE DISPOSAL LICENSING ACT AND CODE, SANGAMON COUNTY HEALTH DEPT. REQUIREMENTS AND APPLICABLE BUILDING CODES.
2. CONTRACTOR SHALL OBTAIN SANGAMON COUNTY HEALTH DEPT. PERMIT PRIOR TO INITIATING CONSTRUCTION AND SHALL NOTIFY THE DEPT. AS REQUIRED DURING CONSTRUCTION FOR INSPECTION(S).
3. PRIOR TO INITIATING ANY CONSTRUCTION AT THE SITE, CONTRACTOR SHALL LOCATE EXISTING SEPTIC TANK AND PIPING BETWEEN SEPTIC TANK AND SEEPAGE FIELD, AND SHALL PROTECT THESE FACILITIES DURING CONSTRUCTION. ACCESS TO SEPTIC TANK FOR CLEANING AND INSPECTION MUST BE MAINTAINED. IF THE EXISTING SEPTIC TANK FALLS WITHIN THE AREA OF THE PROPOSED PAVEMENT OR GUTTER IT SHALL BE EXCAVATED, DISPOSED, BACKFILLED WITH EMBANKMENT AND A NEW TANK AND FITTINGS INSTALLED OUTSIDE THE PROPOSED PAVEMENT STRUCTURES.
4. PRIOR TO CONNECTING THE NEW SYSTEM, CONTRACTOR SHALL PUMP OUT THE EXISTING SEPTIC TANK, INSPECT INLET AND OUTLET TEES (OR BAFFLES), AND CORRECT ANY DEFICIENCIES REQUIRED TO CONFORM WITH HEALTH DEPT. REQUIREMENTS.
5. THE TOTAL LENGTH OF NEW SEEPAGE TRENCHES MUST EXCEED THE LENGTH OF EXISTING TRENCHES REMOVED OR DISTURBED.
6. THE AREA SHOWN FOR NEW SEEPAGE FIELD (PLUS 5 FT IN ALL DIRECTIONS) SHOULD BE PROTECTED WITH CONSTRUCTION TAPE TO PREVENT ANY VEHICLE TRAFFIC OR SOIL DISTURBANCE PRIOR TO INSTALLATION OF THE SEEPAGE FIELD.
7. CONTRACTOR IS RESPONSIBLE FOR LOCATING UNDERGROUND UTILITIES PRIOR TO CONSTRUCTION AND PROTECTING UTILITIES DURING CONSTRUCTION.

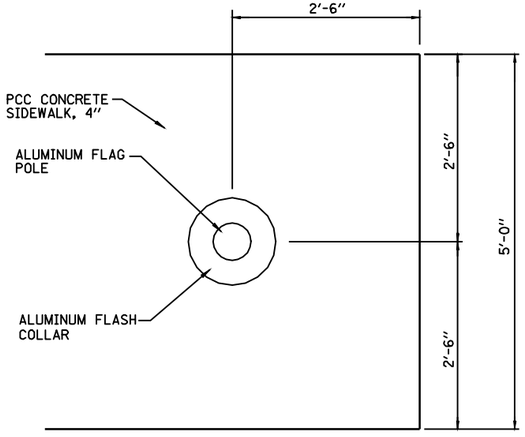


SECTION

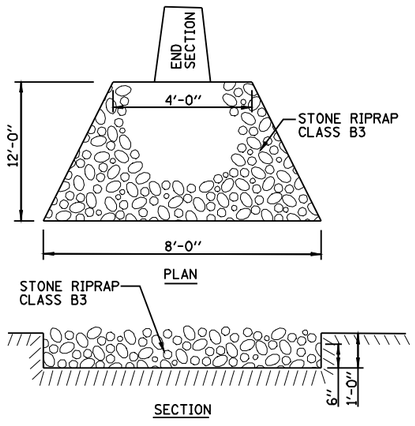


LOCATION PLAN VIEW

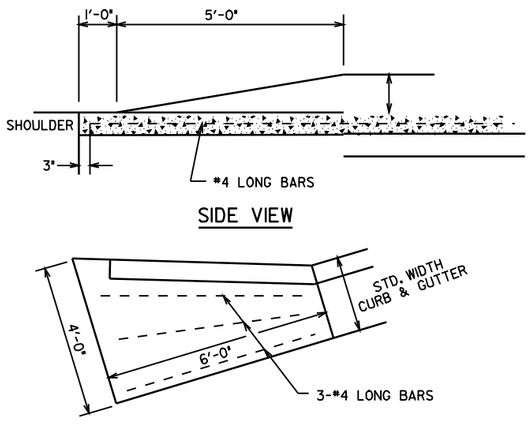
NOT TO SCALE



PLAN (NORTH FLAG POLE)



RIPRAP OUTLET DETAIL



COMBINATION CURB & GUTTER OUTLET, SPECIAL

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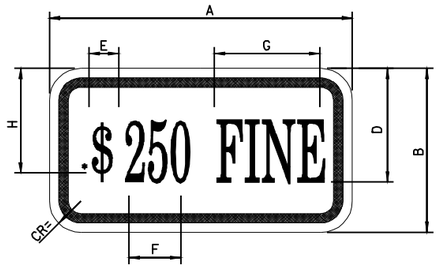
	PLOT DATE = Feb-23-2010 09:42:11AM	CHECKED - PJM	REVISED -		SCALE: SHEET NO. 27 OF 36 SHEETS STA. TO STA.
		DATE - 11/27/06	REVISED -		

F.A.I RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
55	84-1-2WS-4	SANGAMON	36	27
		CONTRACT NO. 72D58		
		ILLINOIS FED. AID PROJECT		



SIGN SIZE	DIMENSIONS							
	A	B	C	D	E	F	G	H
12x6	12.0	6.0	1.5	4.5	1.1	3.0	5.5	3.0

SIGN SIZE	SERIES LINES	MARGIN	BORDER	BLK STD
12x6	13A	0.37	0.37	B5-126

NOTES:

1. ALL DIMENSIONS IN INCHES. THIS SIGN TO BE USED WITH R7-8 (*$=Series 3A "s")
2. THIS SIGN SHALL BE PLACED AT ALL HANDICAP PARKING SPACES.
3. THIS PLATE MAY BE MOUNTED DIRECTLY BELOW THE R7-8 SIGN OR COMBINED WITH THAT SIGN ON A SINGLE 12 INCH BY 24 INCH PANEL.

   FOR A FINE OF $200, USE F=4.0 AND G=4.0 (REDUCE LETTER TO LETTER SPACING AS NECESSARY TO FIT).
4. COLORS:

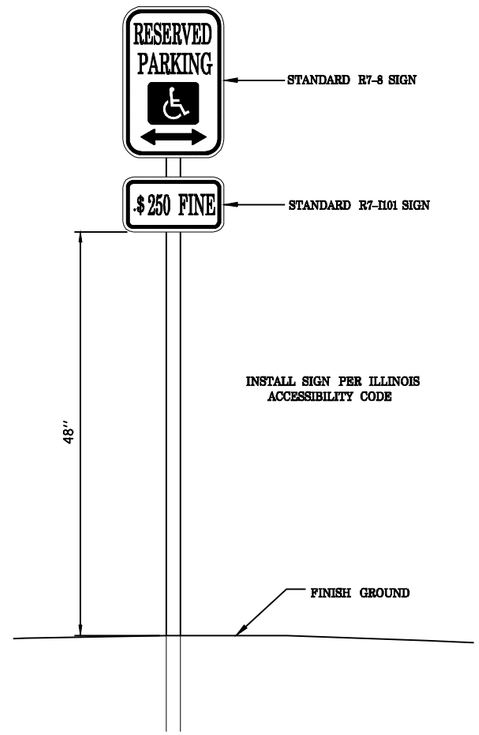
   LEGEND AND BORDER - GREEN NON-REFLECTORIZED

   BACKGROUND - WHITE REFLECTORIZED

STANDARD HANDICAP SIGN R7-I101

NOTES:
1. ALL DIMENSIONS IN INCHES.
2. THIS SIGN SHALL BE PLACED AT ALL HANDICAP PARKING SPACES.

TYPICAL DETAIL FOR PREFORMED PLASTIC PAVEMENT MARKING ACCESSIBLE STALL



HANDICAP PARKING SIGN ON POST DETAIL

NOTES:

1. EFFECTIVE JANUARY 1, 1985, PUBLIC ACT 83-1316 AMENDED SEC. 11-301 OF "THE ILLINOIS VEHICLE CODE" TO REQUIRED HANDICAPPED PARKING SIGNS (FOR PARKING LOTS SUBJECT TO "THE ILLINOIS VEHICLE CODE") TO COMPLY WITH R 7-8 SIGN SHOWN BELOW (U.S. DEPARTMENT OF TRANSPORTATION STANDARD). EXISTING SIGNS MAY REMAIN, BUT THEIR USEFUL LIVES SHALL NOT BE EXTENDED BY OTHER MEANS THAN NORMAL MAINTENANCE.
2. ALL DIMENSIONS IN INCHES. THIS SIGN TO BE USED WITH R7-1101.
3. THIS SIGN SHALL BE PLACED AT ALL HANDICAP PARKING SPACES.
4. THE ARROW SHOULD BE OMITTED WHERE THERE IS ONLY ONE SPACE. THE RROW MAY ALSO BE MADE TO POINT IN ONLY ONE DIRECTION. THE ARROW MAY ALSO BE REPLACED BY "TIME" SUCH AS 9 AM - 5 PM WHERE A PART TIME RESTRICTION EXISTS.
5. THIS IS A STANDARD SIGN AND MAY BE ORDERED FROM ANY TRAFFIC SIGN SUPPLIER BY NUMBER. THE ARROW SHOULD BE OMITTED WHERE THERE IS ONLY ONE SPACE. THE ARROW MAY ALSO BE MADE TO POINT IN ONLY ONE DIRECTION. THE ARROW MAY ALSO BE REPLACED BY "TIME" SUCH AS 9AM-5PM WHERE A PART TIME RESTRICTION EXISTS. THE SIGN MUST BE SUPPLEMENTED WITH THE ILLINOIS STANDARD R7-1101 PLATE GIVING THE AMOUNT OF THE FINE FOR ILLEGALLY PARKING IN THE RESERVED SPACE(S).
6. COLORS:

   LEGEND AND BORDER - GREEN

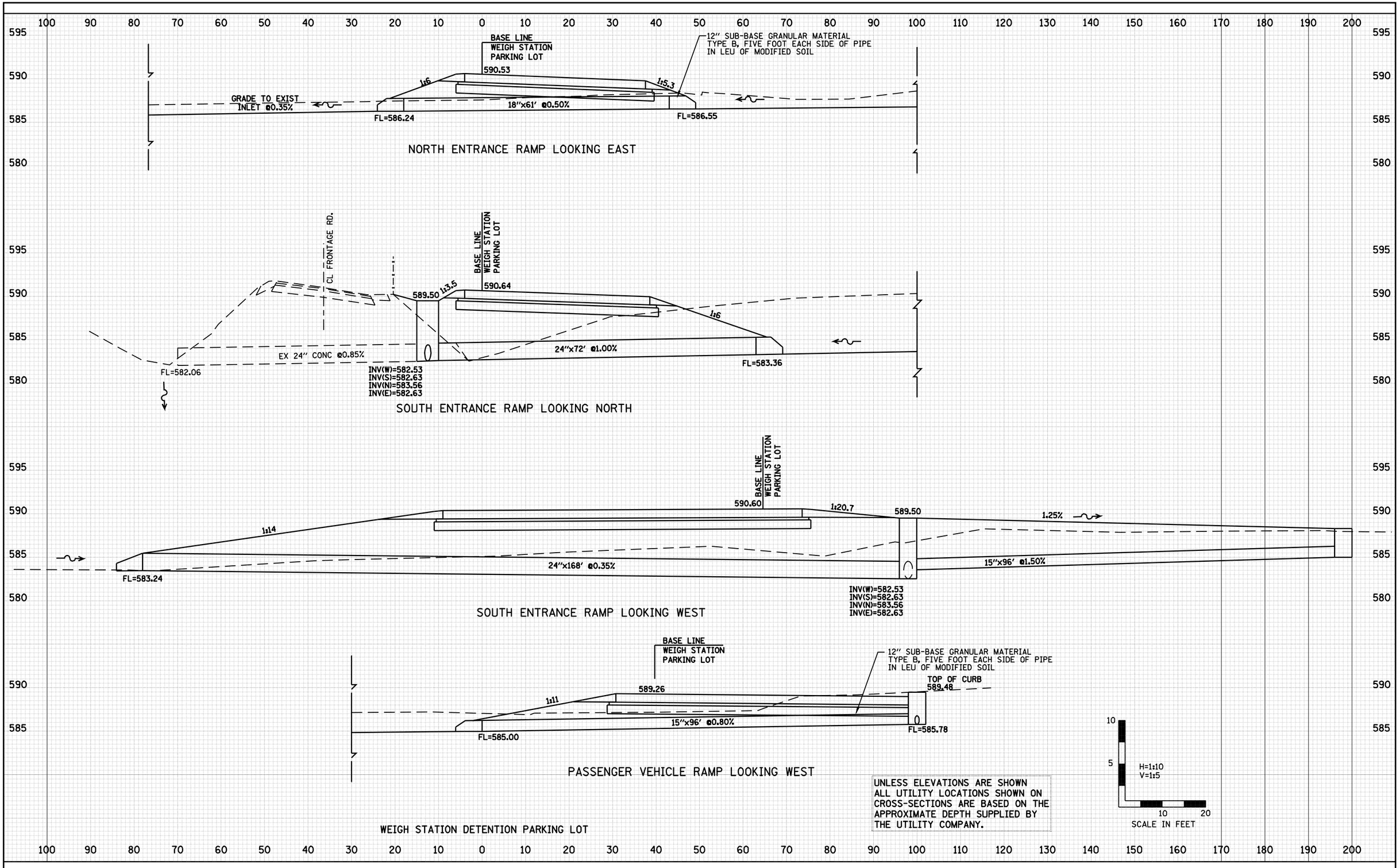
   WHITE SYMBOL ON BLUE BACKGROUND

   BACKGROUND - WHITE

* REDUCE SPACING 50% ** SEE APPENDIX "E" FOR SYMBOL PROPORTIONS

STANDARD HANDICAP SIGN R7-8

FILE NAME = c:\pw_work\PWIDOT\LAUGHLINRL\d0187096\27_28-d102681_misc.dgn	USER NAME = laughlinrl	DESIGNED - ERB	REVISED - DRR 02/22/10	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	MISCELLANEOUS DETAILS		F.A.I RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
		DRAWN -	REVISED -				55	84-1-2WS-4	SANGAMON	36	28
	PLOT SCALE = 100.0000 ' / IN.	CHECKED - PJM	REVISED -						CONTRACT NO. 72D58		
	PLOT DATE = Feb-23-2010 09:42:14AM	DATE - 11/27/06	REVISED -		SCALE:	SHEET NO. 28 OF 36 SHEETS	STA.	TO STA.	ILLINOIS FED. AID PROJECT		



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

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

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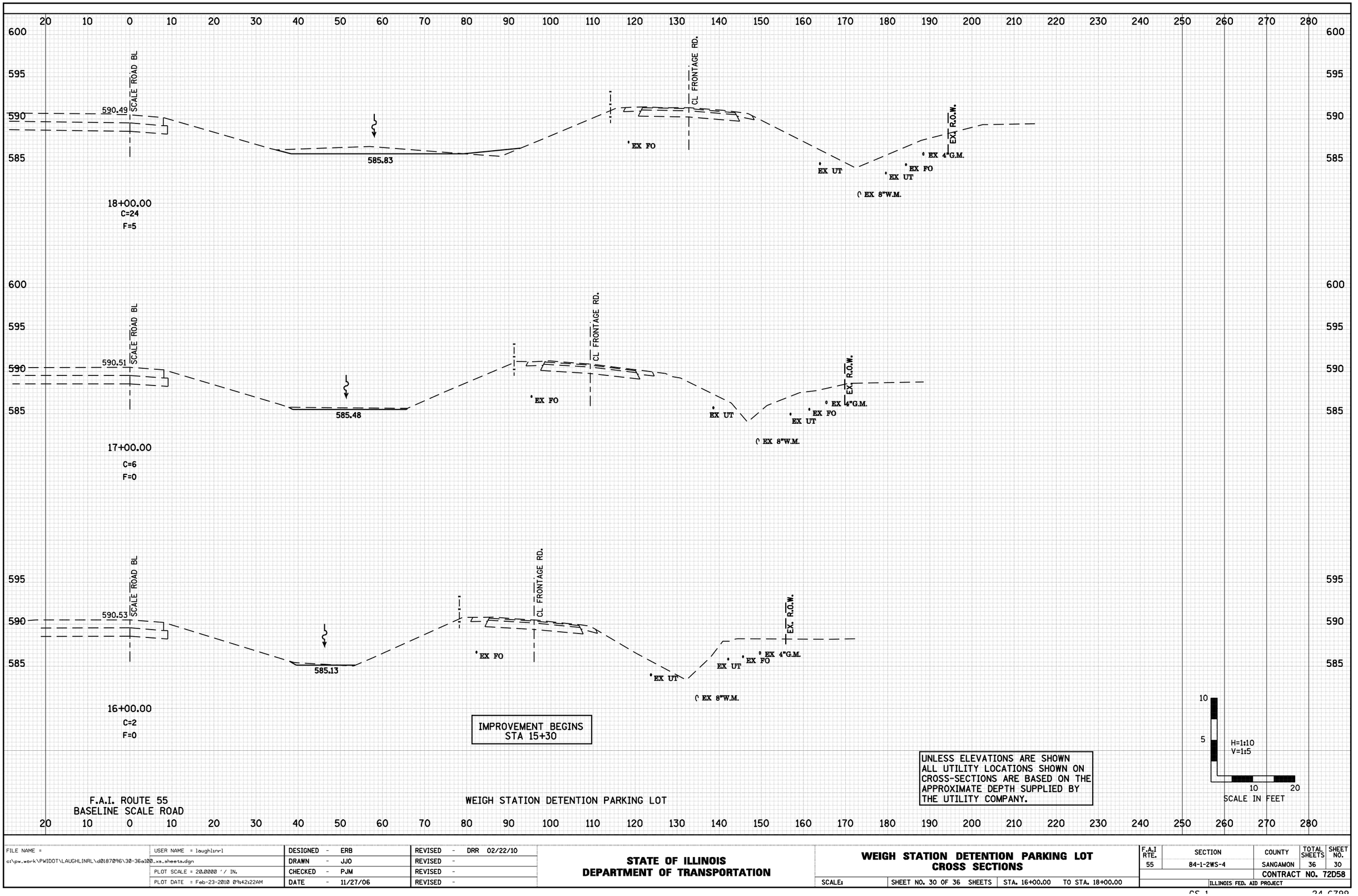
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

WEIGH STATION CULVERT
CROSS SECTIONS

SCALE: | SHEET NO. 29 OF 36 SHEETS | STA. | TO STA.

F.A.I RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
55	84-1-2WS-4	SANGAMON	36	29
		CONTRACT NO. 72D58		
	ILLINOIS FED. AID PROJECT			



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

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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

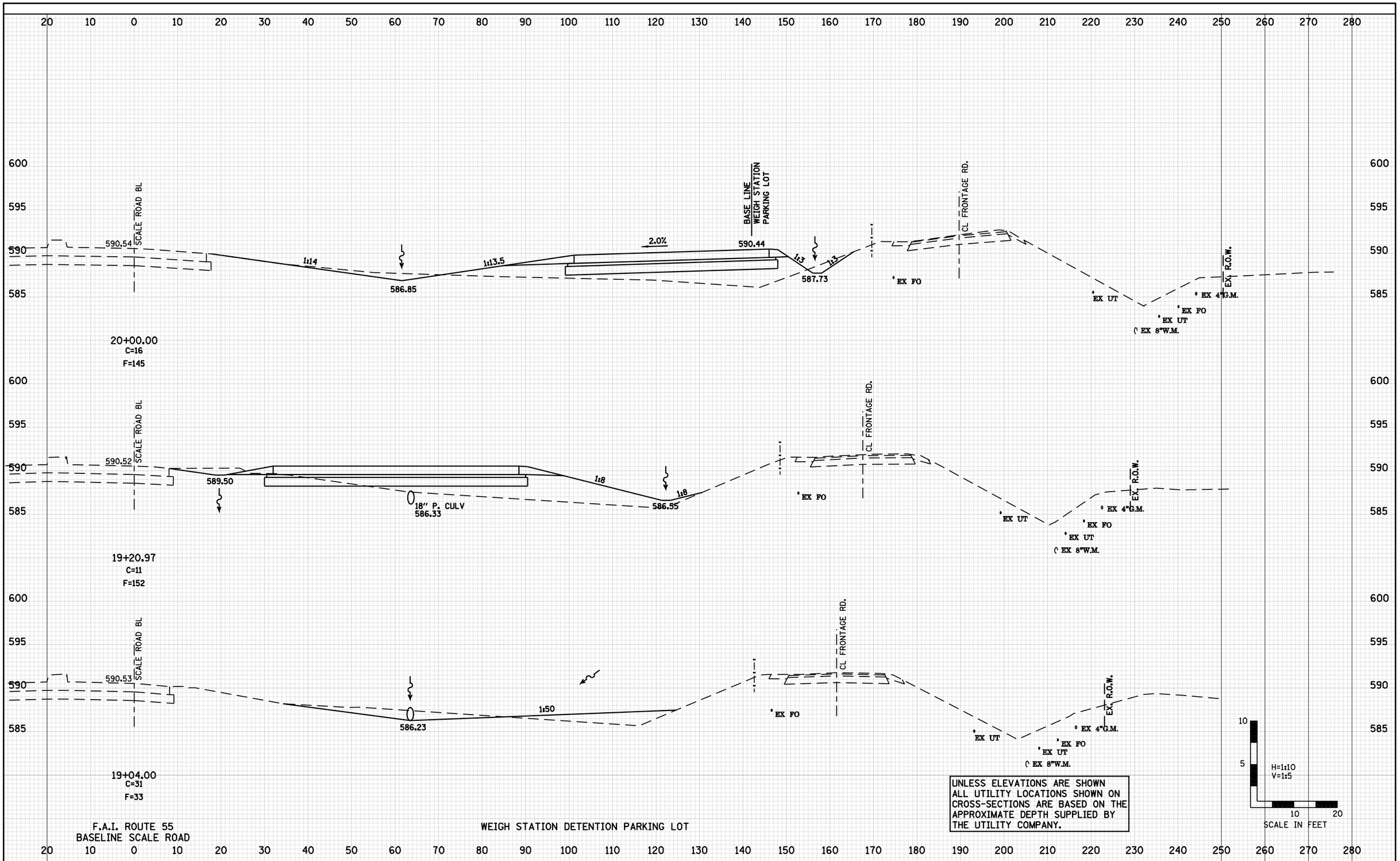
WEIGH STATION DETENTION PARKING LOT
CROSS SECTIONS

SCALE: | SHEET NO. 30 OF 36 SHEETS | STA. 16+00.00 TO STA. 18+00.00

F.A.I RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
55	84-1-2WS-4	SANGAMON	36	30
		CONTRACT NO. 72D58		
	ILLINOIS FED. AID PROJECT			

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

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



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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

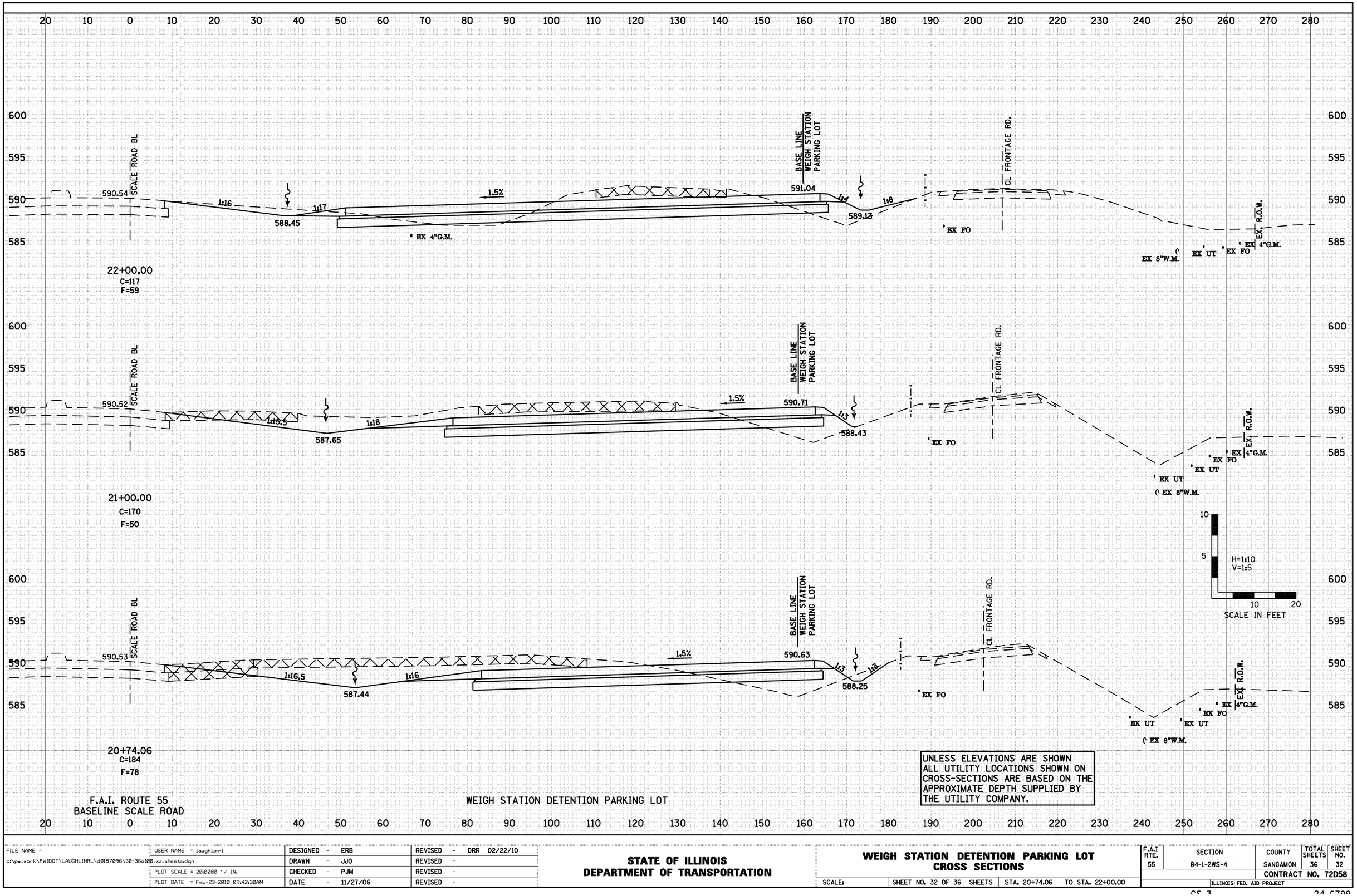
WEIGH STATION DETENTION PARKING LOT
CROSS SECTIONS

SCALE: | SHEET NO. 31 OF 36 SHEETS | STA. 19+04.00 TO STA. 20+00.00

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
55	84-1-2WS-4	SANGAMON	36	31
		CONTRACT NO. 72D58		
	ILLINOIS FED. AID PROJECT			

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

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



UNLESS ELEVATIONS ARE SHOWN ALL UTILITY LOCATIONS SHOWN ON CROSS-SECTIONS ARE BASED ON THE APPROXIMATE DEPTH SUPPLIED BY THE UTILITY COMPANY.

F.A.I. ROUTE 55
BASELINE SCALE ROAD

WEIGH STATION DETENTION PARKING LOT

FILE NAME = c:\pw_work\PWIDOT\LAUGHLINRL\d0187096\30-36a102_xs_sheets.dgn	USER NAME = laughlinrl	DESIGNED - ERB	REVISED - DRR 02/22/10
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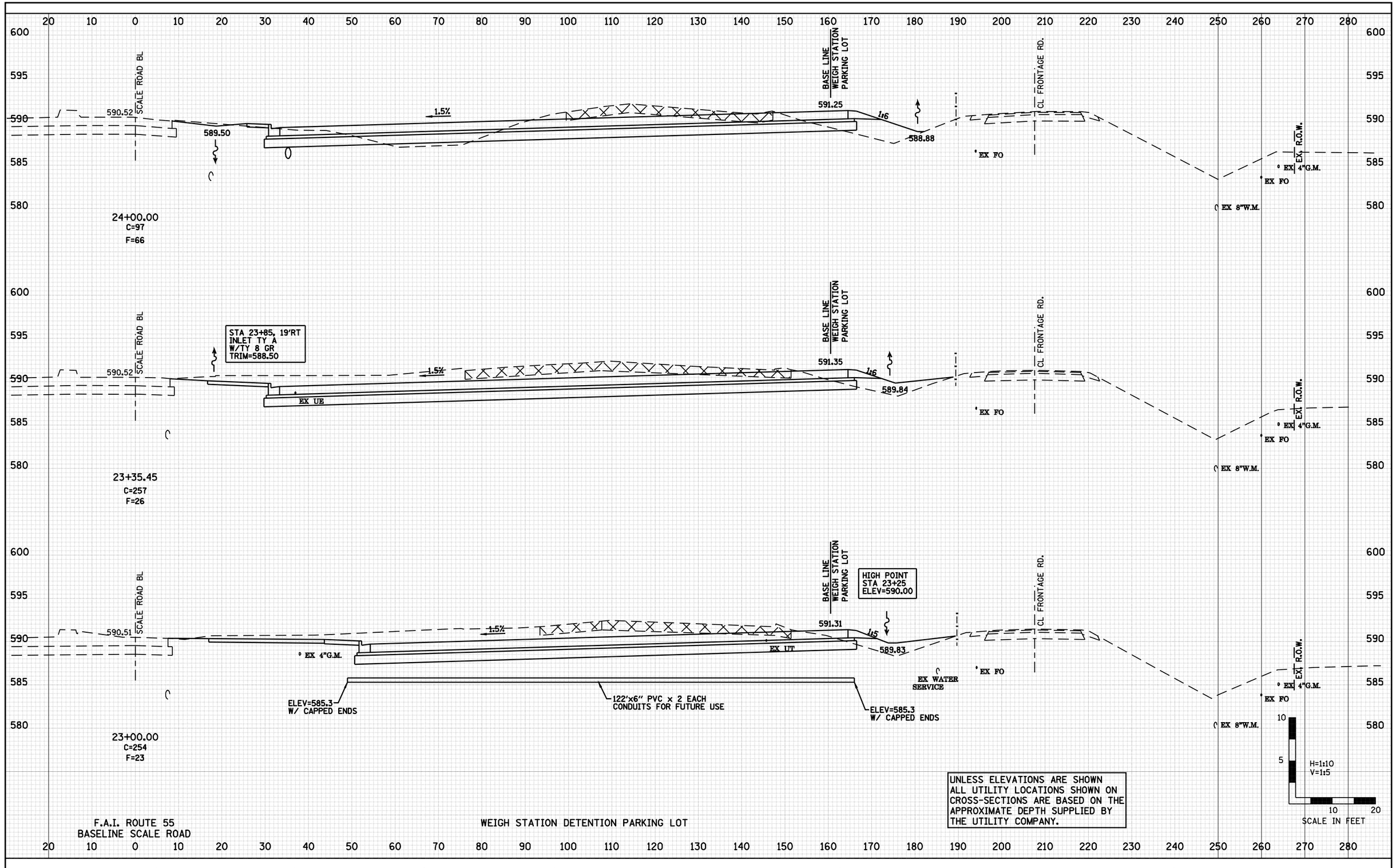
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

WEIGH STATION DETENTION PARKING LOT
CROSS SECTIONS

SCALE: | SHEET NO. 32 OF 36 SHEETS | STA. 20+74.06 TO STA. 22+00.00

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
55	84-1-2WS-4	SANGAMON	36	32
		CONTRACT NO. 72D58		
	ILLINOIS FED. AID PROJECT			



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

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

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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

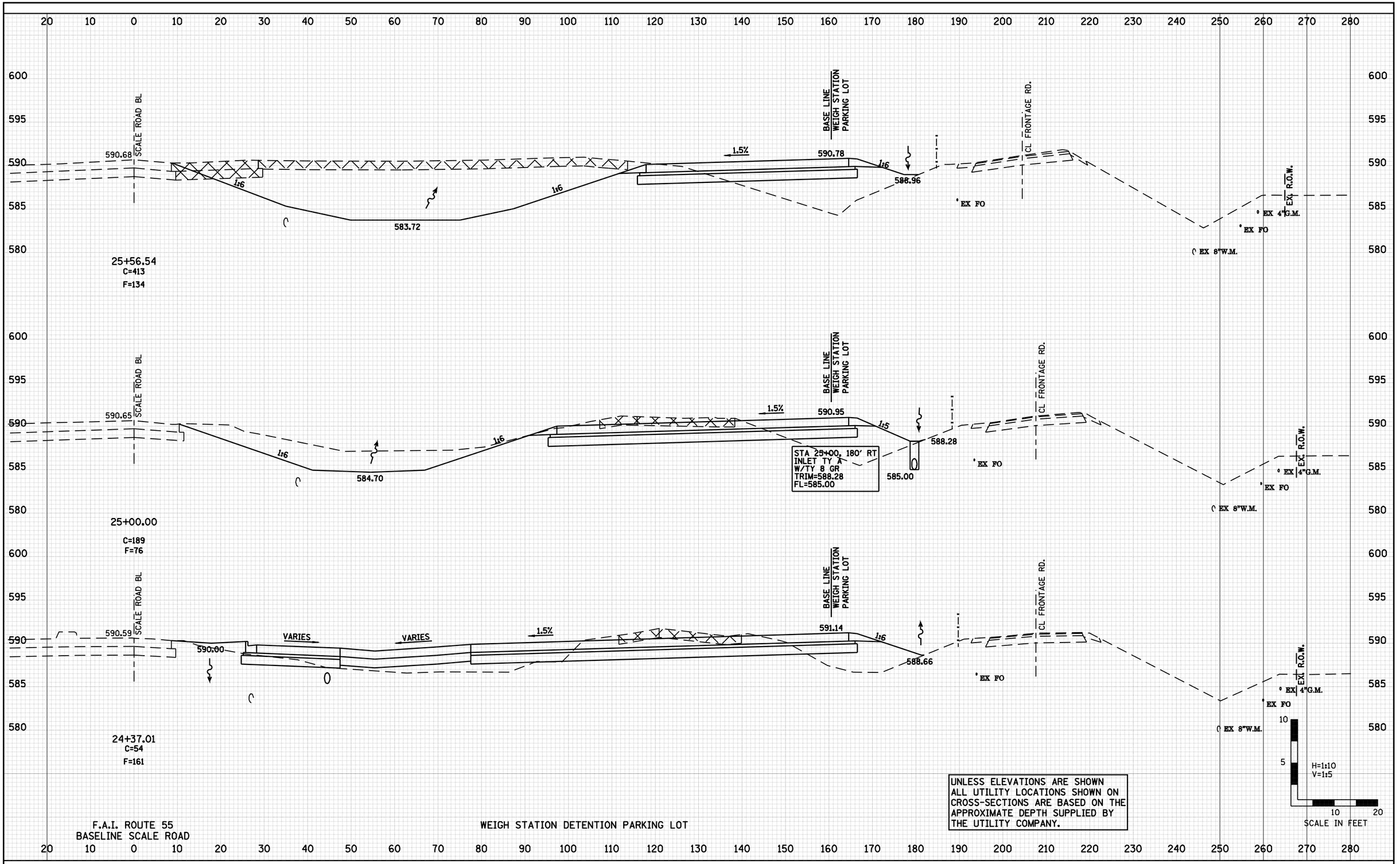
WEIGH STATION DETENTION PARKING LOT
CROSS SECTIONS

SCALE: | SHEET NO. 33 OF 36 SHEETS | STA. 23+00.00 TO STA. 24+00.00

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
55	84-1-2WS-4	SANGAMON	36	33
		CONTRACT NO. 72D58		
	ILLINOIS FED. AID PROJECT			

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

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



UNLESS ELEVATIONS ARE SHOWN ALL UTILITY LOCATIONS SHOWN ON CROSS-SECTIONS ARE BASED ON THE APPROXIMATE DEPTH SUPPLIED BY THE UTILITY COMPANY.

F.A.I. ROUTE 55
BASELINE SCALE ROAD

WEIGH STATION DETENTION PARKING LOT

FILE NAME = c:\pw_work\PWIDOT\LAUGHLINRL\d0187096\30-36a100_xs_sheets.dgn	USER NAME = laughlinrl	DESIGNED - ERB	REVISED - DRR 02/22/10
		DRAWN - JJO	REVISED -
	PLOT SCALE = 20.0000 ' / IN.	CHECKED - PJM	REVISED -
	PLOT DATE = Feb-23-2010 09:42:37AM	DATE - 11/27/06	REVISED -

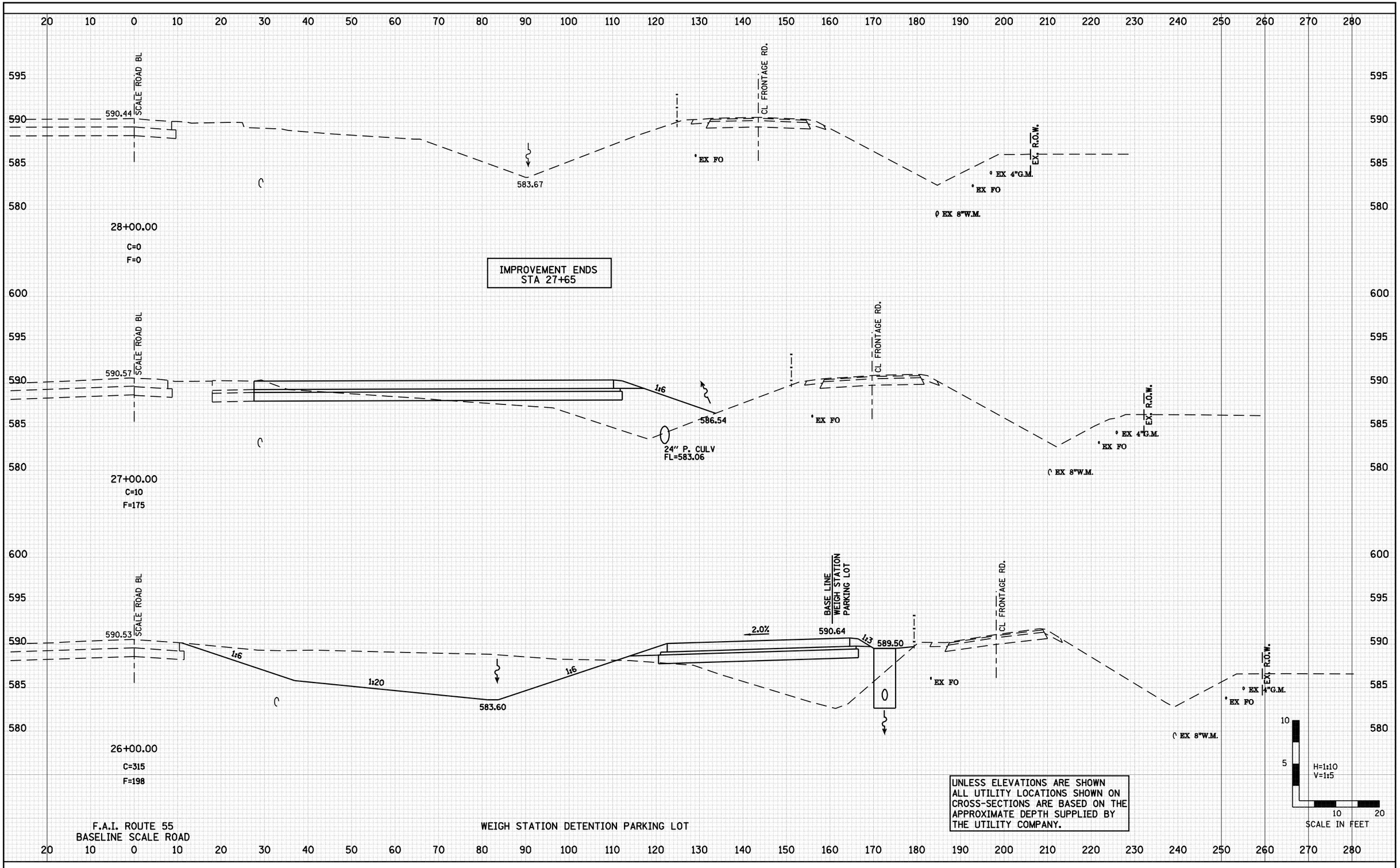
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

WEIGH STATION DETENTION PARKING LOT
CROSS SECTIONS

SCALE: | SHEET NO. 34 OF 36 SHEETS | STA. 24+37.01 | TO STA. 25+56.54

F.A.I RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
55	84-1-2WS-4	SANGAMON	36	34
		CONTRACT NO. 72D58		
	ILLINOIS FED. AID PROJECT			

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



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

FILE NAME = c:\pw_work\PWIDOT\LAUGHLINRL\d0187096\30-36a100.xs_sheets.dgn	USER NAME = laughlinrl	DESIGNED - ERB	REVISED - DRR 02/22/10	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION
		DRAWN - JJO	REVISED -	
	PLOT SCALE = 20.0000 ' / IN.	CHECKED - PJM	REVISED -	
	PLOT DATE = Feb-23-2010 09:42:40AM	DATE - 11/27/06	REVISED -	

WEIGH STATION DETENTION PARKING LOT
CROSS SECTIONS

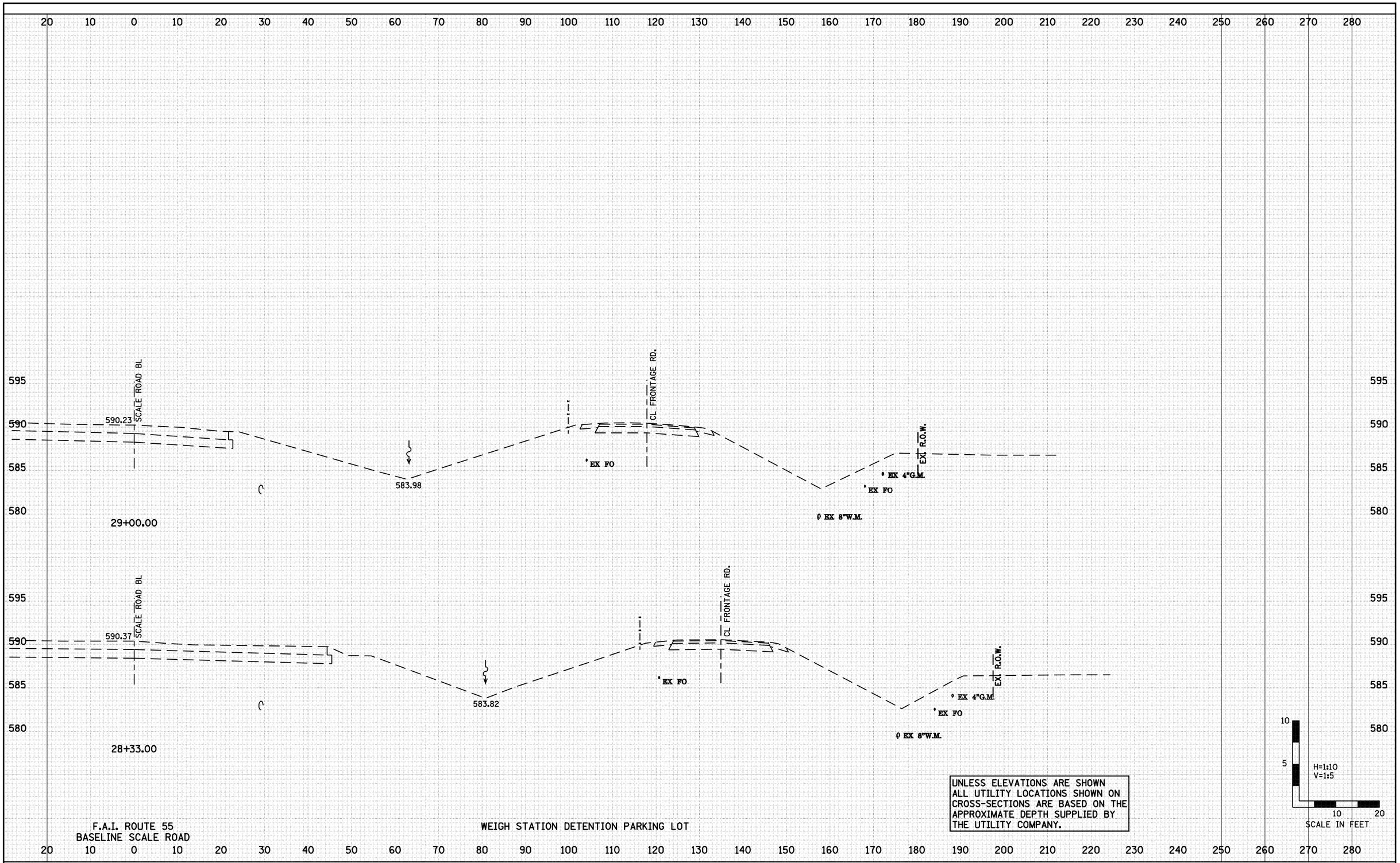
SCALE: | SHEET NO. 35 OF 36 SHEETS | STA. 26+00.00 TO STA. 28+00.00

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
55	84-1-2WS-4	SANGAMON	36	35
		CONTRACT NO. 72D58		
	ILLINOIS FED. AID PROJECT			

CS-C 24-C788

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

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



UNLESS ELEVATIONS ARE SHOWN ALL UTILITY LOCATIONS SHOWN ON CROSS-SECTIONS ARE BASED ON THE APPROXIMATE DEPTH SUPPLIED BY THE UTILITY COMPANY.

F.A.I. ROUTE 55
BASELINE SCALE ROAD

WEIGH STATION DETENTION PARKING LOT

FILE NAME = c:\pw_work\PWIDOT\LAUGHLINRL\d0187096\30-36a100_xs_sheets.dgn	USER NAME = laughlinrl	DESIGNED - ERB	REVISED - DRR 02/22/10
		DRAWN - JJO	REVISED -
	PLOT SCALE = 20.0000 ' / IN.	CHECKED - PJM	REVISED -
	PLOT DATE = Feb-23-2010 09:42:44AM	DATE - 11/27/06	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

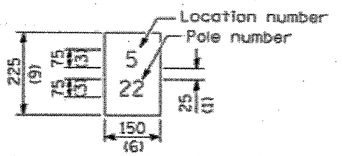
WEIGH STATION DETENTION PARKING LOT
CROSS SECTIONS

SCALE: | SHEET NO. 36 OF 36 SHEETS | STA. 28+33.00 | TO STA. 29+00.00

F.A.I RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
55	84-1-2WS-4	SANGAMON	36	36
		CONTRACT NO. 72D58		
	ILLINOIS FED. AID PROJECT			

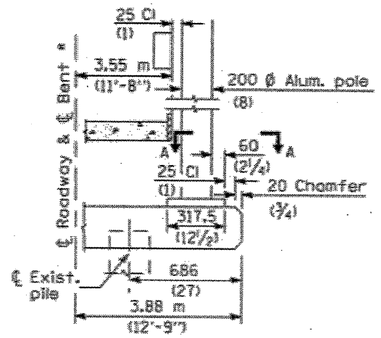
"Install and orient arm bracket over pole tenon and firmly hand tighten the two set screws. Use third hole in arm bracket as a guide to drill a 8.3 (5/16) diameter hole through tenon. Install and tighten self-tapping screw. Tighten set screws an additional (1/4 to 3/8) turn with hex key (not provided). Install locknuts on set screws if threaded projection allows."

Pole shall meet AASHTO Standard Specifications for 128.72 km (80 mph) wind loading and 40.82 kg (90 lb.), .37 m² (4.0 sq. ft.) E.P.A. luminaire.

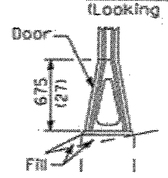


The contractor shall furnish and install a light pole identification of each new light pole, as shown above, incidental to the respective light pole pay item. The numerals shall be 75 (3) series "D", black, screened on silver-white type B pressure sensitive reflective sheeting conforming to the requirements of section T602.01 of the Standard Specifications for Traffic Control Items. The numerals shall conform to the FHWA "Standard Alphabets for Highway Signs".

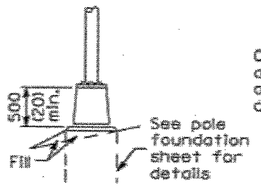
The light pole identification shall be applied to sign base material as specified in section 1085.05 of the Standard Specifications, approximatey 180 (7) above the adjacent pavement grade visible to approaching traffic in accordance with Highway Standard 2319.



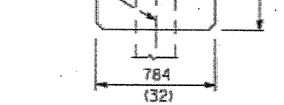
BENT # (Looking)



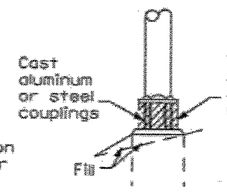
☐ STAINLESS STEEL FLAIR BASE



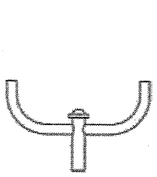
☐ TRANSFORMER BASE



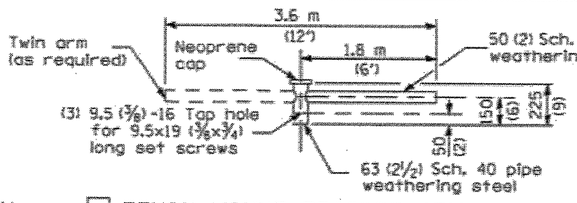
☐ BRIDGE PIER MOUNT



☒ BREAKAWAY COUPLING

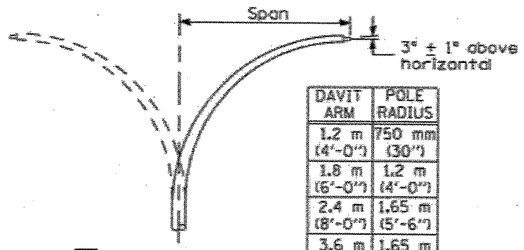


☐ TWIN TENON



☐ TENON MOUNT BRACKET ARM

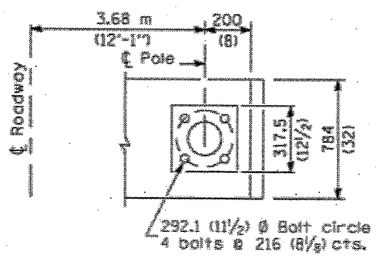
NOTE: Single or twin arm assembly shall be tilted 3° above horizontal.



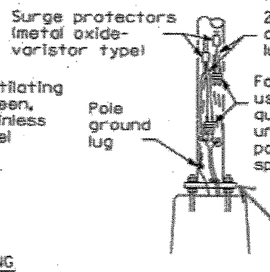
DAVIT ARM	POLE RADIUS
1.2 m (4'-0")	750 mm (30")
1.8 m (6'-0")	1.2 m (4'-0")
2.4 m (8'-0")	1.65 m (5'-6")
3.6 m (12'-0")	1.65 m (5'-6")

☐ DAVIT ARM

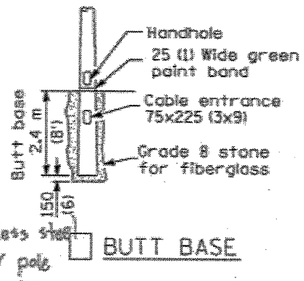
☐ DAVIT ARM-TWIN



SECTION A-A



☒ ANCHOR



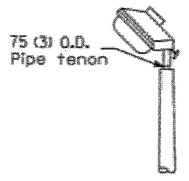
☐ BUTT BASE

Provide stainless steel wire cloth per pole handhole wiring detail.

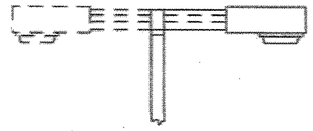
☒ FRANGIBLE

☒ METAL OR ☐ CONCRETE

Details for underground distribution if required

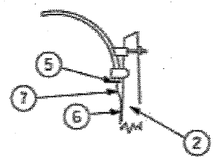


☐ TENON

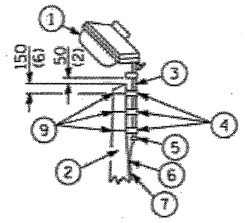


☐ SHORT BRACKET

☐ SHORT BRACKET - TWIN

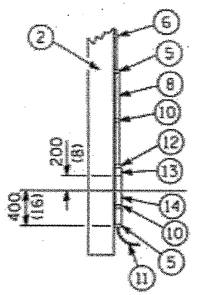


☐ MAST ARM



☐ TENON

1. Luminaire
2. Wood pole, class 3 or better
3. 63 (2½) Galv. steel conduit
4. Single offset pole band
5. Conduit bushing
6. Cable clamps on 600 (24) centers
7. 2/c #12 Type use cable
8. 25 (1) Galv. steel conduit 3.0 m (10') in length
9. 16 (5/8) Ø hot dipped galvanized bolt with flat washer & locknut (3 req'd)
10. Conduit clamps on 900 (36) centers
11. Unit duct
12. Threaded reducer
13. "C" Conduit, threaded
14. 40 (1½) Galv. steel conduit for 1 unit duct or 75 (3) galv. steel conduit for 2 or 3 unit ducts.



☐ POLE, WOOD

POLE LENGTH	DEPTH IN GROUND
19.8 m (65')	3.6 m (12')
18.0 m (60')	3.0 m (10')
16.8 m (55')	2.7 m (9')
16.0 m (50')	2.4 m (8')
13.7 m (45')	2.1 m (7')
12.0 m (40')	2.0 m (6.5')
10.7 m (35')	1.8 m (6')
9.0 m (30')	1.7 m (5.5')

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

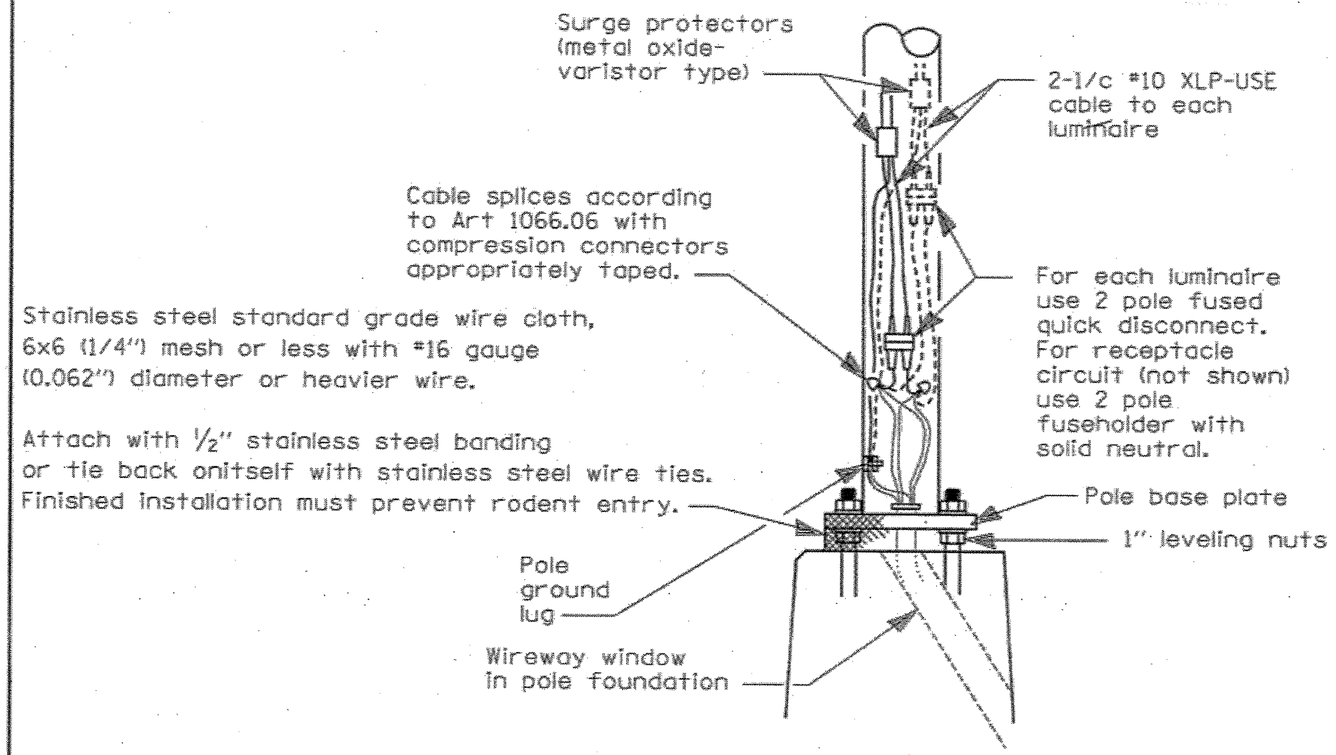
Please include in the lighting plans.

DATE	REVISIONS

POLE STANDARDS

Contract 72D58 Sheet 36A.

LGT008.M32



WIRING DETAIL

NO SCALE

Please include in the lighting plans

GENERAL NOTES

All taped splices shall use 2 layers of electrical tape over 3 layers of rubber tape as required by the Standard Specifications. Coat the finished taped splice with bonding compound.

All cable splices shall be taped unless another method has been specifically approved by the Engineer.

For example purposes the pole is shown on an anchor base. If the pole is required to be set on a breakaway base, consult the Standard Specifications.

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

DRAFT COPY
not for distribution

DATE	REVISIONS
7/31/08	Updated

POLE HANDHOLE WIRING

Contract 72058 Sheet36B.

DRAFT

LGT008A.DGN

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