

FILE NAME = WAB94-200 KDOT LHP Section BYCAD00 SHEETS\Section B2\20131894_SHT 501.dgn

CODE NO.	ITEM	UNIT	TOTAL QUANTITY	CONSTRUCTION TYPE CODE								
				ROADWAY	SAFETY	BRIDGE, NEW CONSTRUCTION (S.N. 045-3048)	SPECIAL BRIDGE (S.N. 045-5574)	SPECIAL BRIDGE (S.N. 045-0112)	SPECIAL BRIDGE (STA 2172+50.15)	SPECIAL BRIDGE (S.N. 045-5573)	SPECIAL BRIDGE (STA 60+28.79)	SPECIAL BRIDGE (RETAINING WALLS)
				0001	0021	0008	0040	0040	0040	0040	0040	0040
50100400	REMOVAL OF EXISTING STRUCTURES NO. 2	EACH	1	1								
50105220	PIPE CULVERT REMOVAL	FOOT	1,170	1,170								
50200100	STRUCTURE EXCAVATION	CU YD	3,140			1,303		646				1,191
50200450	REMOVAL AND DISPOSAL OF UNSUITABLE MATERIAL FOR STRUCTURES	CU YD	2,169			871	729	63	214	292		
50300225	CONCRETE STRUCTURES	CU YD	610			172						438
50300255	CONCRETE SUPERSTRUCTURE	CU YD	628			628						
50300285	FORM LINER TEXTURED SURFACE	SO FT	27,725			17,582						10,143
50300300	PROTECTIVE COAT	SO YD	1,064			1,064						
50301350	CONCRETE SUPERSTRUCTURE (APPROACH SLAB)	CU YD	237			237						
50401345	FURNISHING AND ERECTING PRECAST PRESTRESSED CONCRETE BEAMS, IL63N	FOOT	1,254			1,254						
50500505	STUD SHEAR CONNECTORS	EACH	1,293									1,293
50800205	REINFORCEMENT BARS, EPOXY COATED	POUND	343,760			215,340	27,200	35,750	7,220	11,370		46,880
50800515	BAR SPLICERS	EACH	54					54				
* 50901720	BICYCLE RAILING	FOOT	517			458		37			22	

* SPECIALITY ITEMS



**Bollinger, Lach
& Associates, Inc.**
ITASCA, ILLINOIS

USER NAME = jthede
PLOT SCALE = 40.0000' / 1" =
PLOT DATE = 10/25/2017

DESIGNED - GJE
DRAWN - GJE
CHECKED - DGB
DATE - 08/07/2017

REVISED -
REVISED -
REVISED -
REVISED -

10/23/2017

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**LONGMEADOW PARKWAY
SUMMARY OF QUANTITIES**

SHEET 9 OF 611 SHEETS STA. TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2298	16-00215-11-PV	KANE	611	9
CONTRACT NO. 61E05				
ILLINOIS FED. AID PROJECT				

FILE NAME = W:\94-010 KDOT LMP Section BAC000 SHEETS\Section B2\20130914_SHT_500.dgn

CODE NO.	ITEM	UNIT	TOTAL QUANTITY	CONSTRUCTION TYPE CODE								
				ROADWAY	SAFETY	BRIDGE, NEW CONSTRUCTION (S.N. 045-3048)	SPECIAL BRIDGE (S.N. 045-5574)	SPECIAL BRIDGE (S.N. 045-0112)	SPECIAL BRIDGE (STA 2172+50.15)	SPECIAL BRIDGE (S.N. 045-5573)	SPECIAL BRIDGE (STA 60+28.79)	SPECIAL BRIDGE (RETAINING WALLS)
				0001	0021	0008	0040	0040	0040	0040	0040	0044
550A0410	STORM SEWERS, CLASS A, TYPE 2 24"	FOOT	2,009	2,009								
550A0450	STORM SEWERS, CLASS A, TYPE 2 36"	FOOT	258	258								
550A0470	STORM SEWERS, CLASS A, TYPE 2 42"	FOOT	1,751	1,751								
550A0480	STORM SEWERS, CLASS A, TYPE 2 48"	FOOT	276	276								
550A0500	STORM SEWERS, CLASS A, TYPE 2 60"	FOOT	1,482	1,482								
550B0330	STORM SEWERS, CLASS B, TYPE 2 10"	FOOT	354	354								
55101200	STORM SEWER REMOVAL 24"	FOOT	48	48								
56103000	DUCTILE IRON WATER MAIN 6"	FOOT	552	552								
59100100	GEOCOMPOSITE WALL DRAIN	SQ YD	1,298			134		99				1,065
60108204	PIPE UNDERDRAINS, TYPE 2, 4"	FOOT	18,717	18,717								
60108500	PIPE UNDERDRAINS 12" (SPECIAL)	FOOT	2,032	2,032								
60109600	BACKSLOPE DRAINS, TYPE 1 4"	FOOT	3,000	3,000								
60109601	BACKSLOPE DRAINS, TYPE 1 6"	FOOT	794	794								
60200105	CATCH BASINS, TYPE A, 4'-DIAMETER, TYPE 1 FRAME, OPEN LID	EACH	3	3								

• SPECIALITY ITEMS



**Bollinger, Lach
& Associates, Inc.**
ITASCA, ILLINOIS

USER NAME = gellwanger
PLOT SCALE = 40.0000' / in.
PLOT DATE = 10/30/2017

DESIGNED - GJE
DRAWN - GJE
CHECKED - DBB
DATE - 08/07/2017

REVISED - ADD *1 11/1/2017
REVISED -
REVISED -
REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**LONGMEADOW PARKWAY
SUMMARY OF QUANTITIES**

SHEET 13 OF 611 SHEETS STA. TO STA.

F.A.U.
RTE.
2298

SECTION
16-00215-11-PV

COUNTY
KANE

TOTAL SHEETS
611

SHEET NO.
13

CONTRACT NO. 61E05

ILLINOIS FED. AID PROJECT

FILE NAME: \\A894-018\KDOT\MP\Section\B\CADD SHEETS\Section B2\20131814_Sht_500.dgn

CODE NO.	ITEM	UNIT	TOTAL QUANTITY	CONSTRUCTION TYPE CODE													
				ROADWAY	SAFETY	BRIDGE, NEW CONSTRUCTION (S.N. 045-3048)	SPECIAL BRIDGE (S.N. 045-5574)	SPECIAL BRIDGE (S.N. 045-0112)	SPECIAL BRIDGE (STA 2172+50.15)	SPECIAL BRIDGE (S.N. 045-5573)	SPECIAL BRIDGE (STA 60+28.79)	SPECIAL BRIDGE (RETAINING WALLS)					
				0001	0021	0008	0040	0040	0040	0040	0040	0044					
70300100	SHORT TERM PAVEMENT MARKING	FOOT	1,008	1,008													
70300150	SHORT TERM PAVEMENT MARKING REMOVAL	SQ FT	336	336													
70300220	TEMPORARY PAVEMENT MARKING - LINE 4"	FOOT	72,943	72,943													
70300280	TEMPORARY PAVEMENT MARKING - LINE 24"	FOOT	88	88													
70300520	PAVEMENT MARKING TAPE, TYPE III 4"	FOOT	37,818	37,818													
70300570	PAVEMENT MARKING TAPE, TYPE III 24"	FOOT	52	52													
70400100	TEMPORARY CONCRETE BARRIER	FOOT	4,663	4,663													
70400200	RELOCATE TEMPORARY CONCRETE BARRIER	FOOT	5,438	5,438													
70600260	IMPACT ATTENUATORS, TEMPORARY (FULLY REDIRECTIVE, NARROW), TEST LEVEL 3	EACH	10	10													
70600332	IMPACT ATTENUATORS, RELOCATE (FULLY REDIRECTIVE, NARROW), TEST LEVEL 3	EACH	14	14													
72000100	SIGN PANEL - TYPE 1	SQ FT	693	693													
72000200	SIGN PANEL - TYPE 2	SQ FT	172	172													
72000300	SIGN PANEL - TYPE 3	SQ FT	136	136													
72300100	INSTALL EXISTING SIGN PANEL	SQ FT	6	6													

* SPECIALITY ITEMS



Bollinger, Lach & Associates, Inc.
ITASCA, ILLINOIS

USER NAME = gallwanger
PLOT SCALE = 40.0000' / 1" = 100'
PLOT DATE = 10/30/2017

DESIGNED - GJE
DRAWN - GJE
CHECKED - DBB
DATE - 08/07/2017

REVISED - ADD #1 11/11/2017
REVISED -
REVISED -
REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

LONGMEADOW PARKWAY
SUMMARY OF QUANTITIES

SHEET 17 OF 611 SHEETS STA. TO STA.

F.A.U. RTE. 229B	SECTION 16-00215-11-PV	COUNTY KANE	TOTAL SHEETS 611	SHEET NO. 17
ILLINOIS FED. AID PROJECT			CONTRACT NO. 61E05	

FILE NAME = W:\954-018 KDOT LRP Section B\CA000 SHEET\Section B2\20131994_SHT_S00.dgn

CODE NO.	ITEM	UNIT	TOTAL QUANTITY	CONSTRUCTION TYPE CODE								
				ROADWAY	SAFETY	BRIDGE, NEW CONSTRUCTION (S.N. 045-3048)	SPECIAL BRIDGE (S.N. 045-5574)	SPECIAL BRIDGE (S.N. 045-0112)	SPECIAL BRIDGE (STA 2172+50.15)	SPECIAL BRIDGE (S.N. 045-5573)	SPECIAL BRIDGE (STA 60+28.79)	SPECIAL BRIDGE (RETAINING WALLS)
				0001	0021	0008	0040	0040	0040	0040	0040	0044
• 72400100	REMOVE SIGN PANEL ASSEMBLY - TYPE A	EACH	28	28								
• 72400200	REMOVE SIGN PANEL ASSEMBLY - TYPE B	EACH	2	2								
• 72501000	TERMINAL MARKER - DIRECT APPLIED	EACH	8	8								
• 72700100	STRUCTURAL STEEL SIGN SUPPORT - BREAKAWAY	POUND	1,620	1,620								
• 72800100	TELESCOPING STEEL SIGN SUPPORT	FOOT	1,463	1,463								
• 72900100	METAL POST - TYPE A	FOOT	69	69								
• 72900200	METAL POST - TYPE B	FOOT	224	224								
• 73000100	WOOD SIGN SUPPORT	FOOT	182	182								
73400100	CONCRETE FOUNDATIONS	CU YD	4	4								
• 78000100	THERMOPLASTIC PAVEMENT MARKING - LETTERS AND SYMBOLS	SQ FT	458	458								
• 78000200	THERMOPLASTIC PAVEMENT MARKING - LINE 4"	FOOT	23,836	23,836								
• 78000400	THERMOPLASTIC PAVEMENT MARKING - LINE 6"	FOOT	1,283	1,283								
• 78000600	THERMOPLASTIC PAVEMENT MARKING - LINE 12"	FOOT	614	614								
• 78000650	THERMOPLASTIC PAVEMENT MARKING - LINE 24"	FOOT	105	105								

• SPECIALITY ITEMS



**Bollinger, Lach
& Associates, Inc.**
ITASCA, ILLINOIS

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DESIGNED - GJE
DRAWN - GJE
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DATE - 08/07/2017

REVISED - ADD #1 11/1/2017
REVISED -
REVISED -
REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**LONGMEADOW PARKWAY
SUMMARY OF QUANTITIES**

SHEET 18 OF 611 SHEETS STA. TO STA.

F.A.U. RTE. 2298	SECTION 16-00215-11-PV	COUNTY KANE	TOTAL SHEETS 611	SHEET NO. 18
CONTRACT NO. 61E05				
ILLINOIS FED. AID PROJECT				

FILE NAME = \\s94-010 K001 LMP Section BAC000 SHEETS\Section B2\20131894_SHT_500.dgn

CODE NO.	ITEM	UNIT	TOTAL QUANTITY	CONSTRUCTION TYPE CODE								
				ROADWAY	SAFETY	BRIDGE, NEW CONSTRUCTION (S.N. 045-3048)	SPECIAL BRIDGE (S.N. 045-5574)	SPECIAL BRIDGE (S.N. 045-0112)	SPECIAL BRIDGE (STA 2172+50.15)	SPECIAL BRIDGE (S.N. 045-5573)	SPECIAL BRIDGE (STA 60+28.79)	SPECIAL BRIDGE (RETAINING WALLS)
				0001	0021	0008	0040	0040	0040	0040	0040	0044
• 87702980	STEEL COMBINATION MAST ARM ASSEMBLY AND POLE 50 FT.	EACH	1		1							
• 87800100	CONCRETE FOUNDATION, TYPE A	FOOT	12		12							
• 87800150	CONCRETE FOUNDATION, TYPE C	FOOT	8		8							
• 87800400	CONCRETE FOUNDATION, TYPE E 30-INCH DIAMETER	FOOT	24		24							
• 87800415	CONCRETE FOUNDATION, TYPE E 36-INCH DIAMETER	FOOT	66		66							
• 87800420	CONCRETE FOUNDATION, TYPE E 42-INCH DIAMETER	FOOT	21		21							
• 88030020	SIGNAL HEAD, LED, 1-FACE, 3-SECTION, MAST-ARM MOUNTED	EACH	12		12							
• 88030050	SIGNAL HEAD, LED, 1-FACE, 3-SECTION, BRACKET MOUNTED	EACH	6		6							
• 88030080	SIGNAL HEAD, LED, 1-FACE, 4-SECTION, MAST ARM MOUNTED	EACH	2		2							
• 88030100	SIGNAL HEAD, LED, 1-FACE, 5-SECTION, BRACKET MOUNTED	EACH	1		1							
• 88030110	SIGNAL HEAD, LED, 1-FACE, 5-SECTION, MAST-ARM MOUNTED	EACH	7		7							
• 88200100	TRAFFIC SIGNAL BACKPLATE	EACH	5		5							
• 88200110	TRAFFIC SIGNAL BACKPLATE, LOUVERED	EACH	10		10							
• 88200510	TRAFFIC SIGNAL BACKPLATE, RETROREFLECTIVE	EACH	9		9							
• 88500100	INDUCTIVE LOOP DETECTOR	EACH	14		14							

• SPECIALITY ITEMS



**Bollinger, Lach
& Associates, Inc.**
ITASCA, ILLINOIS

USER NAME = gellwanger
PLOT SCALE = 40.0000' / 1" =
PLOT DATE = 10/30/2017

DESIGNED - GJE
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CHECKED - DBS
DATE - 08/07/2017

REVISED - ADD #1 11/1/2017
REVISED -
REVISED -
REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**LONGMEADOW PARKWAY
SUMMARY OF QUANTITIES**

SHEET 23 OF 611 SHEETS STA. TO STA.

F.A.U. RTE. 2298	SECTION 16-00215-11-FV	COUNTY KANE	TOTAL SHEETS 611	SHEET NO. 23
CONTRACT NO. 61E05				
ILLINOIS FED. AID PROJECT				

FILE NAME = W:\94-010 KDOT LMP Section B2\0000 SHEETS\Section B2\2013B14_SHT_500.dgn

CODE NO.	ITEM	UNIT	TOTAL QUANTITY	CONSTRUCTION TYPE CODE								
				ROADWAY	SAFETY	BRIDGE, NEW CONSTRUCTION (S.N. 045-3048)	SPECIAL BRIDGE (S.N. 045-5574)	SPECIAL BRIDGE (S.N. 045-0112)	SPECIAL BRIDGE (STA 2172+50.15)	SPECIAL BRIDGE (S.N. 045-5573)	SPECIAL BRIDGE (STA 60+28.79)	SPECIAL BRIDGE (RETAINING WALLS)
				0001	0021	0008	0040	0040	0040	0040	0040	0041
Z0023202	SEDIMENT CONTROL. DRAINAGE STRUCTURE INLET FILTER CLEANING	EACH	459	459								
Z0030850	TEMPORARY INFORMATION SIGNING	SO FT	51	51								
* Z0033056	OPTIMIZE TRAFFIC SIGNAL SYSTEM	EACH	2		2							
* Z0033058	POST MOUNTED FLASHING BEACON INSTALLATION (SPECIAL)	EACH	2		2							
Z0046304	PIPE UNDERDRAINS FOR STRUCTURES 4"	FOOT	691									691
Z0062456	TEMPORARY PAVEMENT	SO YD	8,862	8,862								
Z0066600	STABILIZED DRIVEWAYS 8"	SO YD	707	707								
Z0066700	STABILIZED DRIVEWAYS 10"	SO YD	559	559								
** Z0076600	TRAINEES	HOOR	2,000	2,000								
** Z0076604	TRAINEES TRAINING PROGRAM GRADUATE	HOOR	2,000	2,000								
* Z0077900	WOOD POST AND RAIL FENCE	FOOT	72			32					40	
* 81101105	CONDUIT ATTACHED TO STRUCTURE, 5" DIA., PVC COATED GALVANIZED STEEL	FOOT	886			886						
XX0009205	CORRUGATED STRUCTURAL STEEL PIPE ARCHES 17 SO FT	FOOT	113					113				
* 81300965	JUNCTION BOX, STAINLESS STEEL, ATTACHED TO STRUCTURE, 60" X 42" X 12"	EACH	2			2						
* XX0009206	FIBER OPTIC TERMINATIONS 24 FIBER	EACH	2		2							
60100060	CONCRETE HEADWALLS FOR PIPE DRAINS	EACH	3	3								

- * SPECIALITY ITEMS
- ** CONSTRUCTION CODE 0042



**Bollinger, Lach
& Associates, Inc.**
EASCA, ILLINOIS

USER NAME = gellwenger
PLOT SCALE = 40,0000' / 1" =
PLOT DATE = 10/30/2017

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REVISED - ADD *1 11/1/2017
REVISED -
REVISED -
REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**LONGMEADOW PARKWAY
SUMMARY OF QUANTITIES**

SHEET 33 OF 611 SHEETS STA. TO STA.

F.A.U.
RTE.
2298

SECTION
16-00215-11-PV

COUNTY
KANE

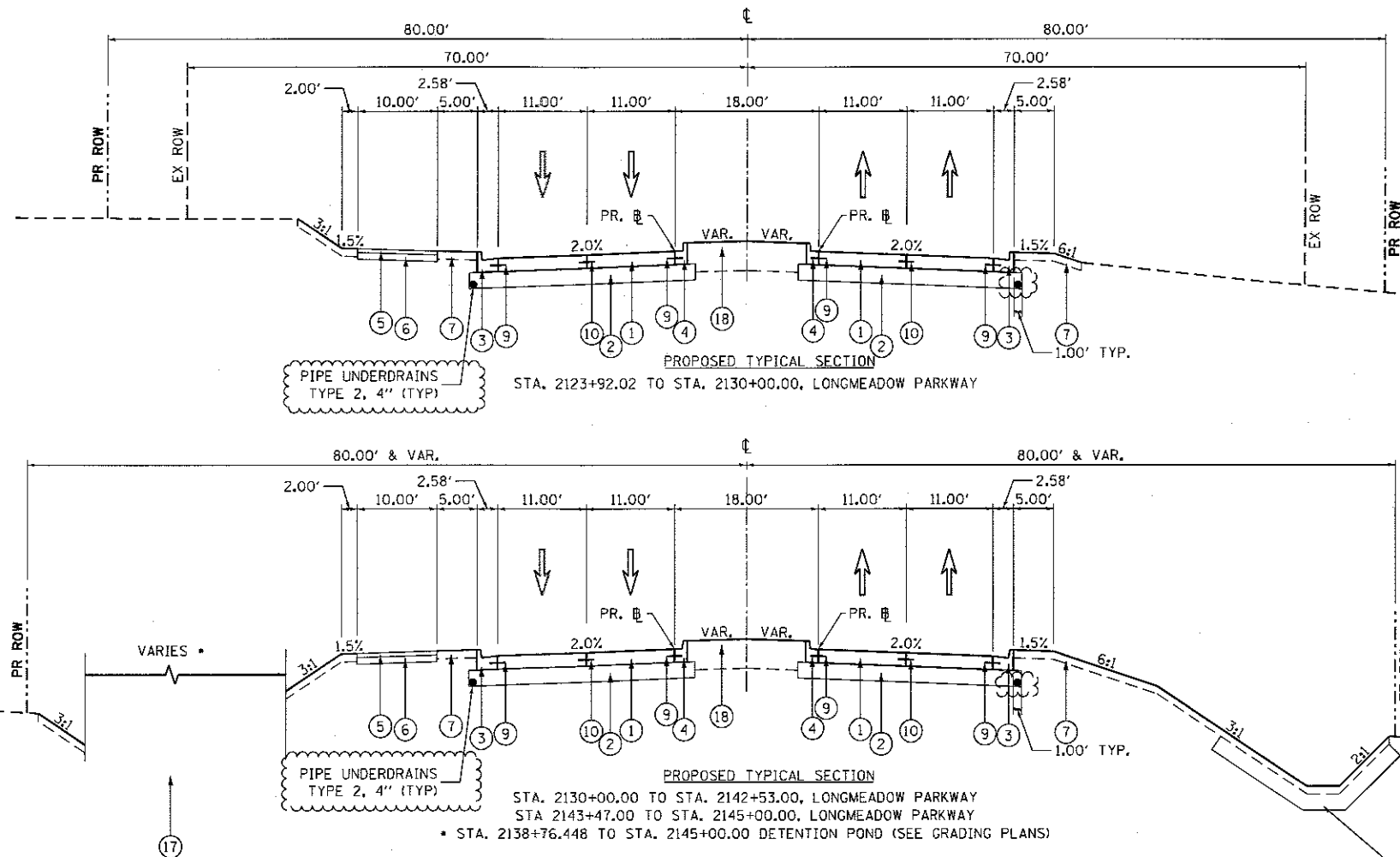
TOTAL
SHEETS
611

SHEET
NO.
33

CONTRACT NO. 61E05

ILLINOIS FED. AID PROJECT

FILE NAME: W:\04-210 KDOT LMP Section 61C600 SHEETS\Section 61C600\61C600_SHT_1.TIP05.dgn



- PROPOSED**
- ① PORTLAND CEMENT CONCRETE PAVEMENT 10" (JOINTED)
 - ② AGGREGATE SUBGRADE IMPROVEMENT 12"
 - ③ COMBINATION CONCRETE CURB & GUTTER, TYPE B-6.24
 - ④ COMBINATION CONCRETE CURB & GUTTER, TYPE B-6.12
 - ⑤ HOT-MIX ASPHALT SURFACE COURSE, MIX "D", N50, 3"
 - ⑥ AGGREGATE BASE COURSE, TYPE B, 6"
 - ⑦ TOPSOIL EXCAVATION AND PLACEMENT, SPECIAL, 6"
 - ⑧ CONCRETE CURB TYPE B, 6"
 - ⑨ PROPOSED LONGITUDINAL CONSTRUCTION JOINT WITH NO. 6 x 24" EPOXY COATED DEFORMED TIE BARS AT 24" CENTERS
 - ⑩ PROPOSED SAWED LONGITUDINAL JOINT WITH NO. 6 x 30" EPOXY COATED DEFORMED TIE BARS AT 30" CENTERS
 - ⑪ POLYMERIZED HOT-MIX ASPHALT SURFACE COURSE, "MIX E", N70, IL-9.5 mm, 2"
 - ⑫ POLYMERIZED HOT-MIX ASPHALT BINDER COURSE, IL-19.0, N90, 2 1/4"
 - ⑬ HOT-MIX ASPHALT SHOULDERS, 8"
 - ⑭ HOT-MIX ASPHALT BASE COURSE, 5 3/4"
 - ⑮ SUBBASE GRANULAR MATERIALS, TYPE C, 2"
 - ⑯ COMBINATION CONCRETE CURB & GUTTER, TYPE M-4.24
 - ⑰ TOPSOIL EXCAVATION AND PLACEMENT, SPECIAL, 12" [BASINS]
 - ⑱ TOPSOIL EXCAVATION AND PLACEMENT, SPECIAL, 24"
 - ⑲ CONCRETE MEDIAN, TYPE SB-6.12
 - ⑳ HOT-MIX ASPHALT SURFACE COURSE, MIX "D", N70, 2"
 - ㉑ AGGREGATE SHOULDERS, TYPE B, 8"
 - ㉒ AGGREGATE SHOULDERS, TYPE B, 10"
 - ㉓ HOT-MIX ASPHALT SHOULDERS, 6"

NOTE: TOPSOIL FURNISH AND PLACE, SPECIAL, 12" TO BE APPLIED IN ALL BASINS TO HWL

HMA MIXTURE REQUIREMENTS CHART			
MIXTURE TYPE	AIR VOIDS @ Ndes	THICKNESS	QMP
HOT-MIX ASPHALT PAVEMENT (IL RTE 31)			
POLYMERIZED HOT-MIX ASPHALT SURFACE COURSE, MIX "E", N70, IL-9.5mm, 2"	4% @ 70 GYR.	2"	QCP
POLYMERIZED HOT-MIX ASPHALT BINDER COURSE, (HMA BINDER IL-19.0), N90, 2.25"	4% @ 90 GYR.	2.25"	QCP
HOT-MIX ASPHALT BASE COURSE (HMA BINDER IL-19mm), 5.75"	4% @ 90 GYR.	5.75" (2 LIFTS)	QCP
HOT-MIX ASPHALT SHOULDERS, 6"			
HOT-MIX ASPHALT SURFACE COURSE "MIX D", N70, IL-9.5mm, 2"	4% @ 70 GYR.	2"	QC/QA
HOT-MIX ASPHALT SHOULDER (HMA BINDER IL-19.0), 4"	4% @ 70 GYR.	4" (2 LIFTS)	QC/QA
HOT-MIX ASPHALT SHOULDERS, 8"			
POLYMERIZED HOT-MIX ASPHALT SURFACE COURSE, MIX "E", N70, IL-9.5mm, 2"	4% @ 70 GYR.	2"	QCP
HOT-MIX ASPHALT SHOULDER (HMA BINDER IL-19.0), 6"	4% @ 50 GYR.	6" (2 LIFTS)	QC/QA
FULL DEPTH PAVEMENT, 6" (RAGING BUFFALO)			
HOT-MIX ASPHALT SURFACE COURSE, MIX "D", N50, IL-9.5mm, 2"	4% @ 50 GYR.	2"	QC/QA
HOT-MIX ASPHALT BINDER COURSE, (HMA BINDER IL-19.0), N50, 4"	4% @ 50 GYR.	4" (2 LIFTS)	QC/QA
HOT-MIX ASPHALT PAVEMENT (FOREST DRIVE & KAREN DRIVE)			
HOT-MIX ASPHALT SURFACE COURSE, MIX "D", N50, IL-9.5mm, 2"	4% @ 50 GYR.	2"	QC/QA
HOT-MIX ASPHALT BINDER COURSE, (HMA BINDER IL-19.0), N50, 2.25"	4% @ 50 GYR.	2.25"	QC/QA
STABILIZED DRIVEWAYS, 8"			
HOT-MIX ASPHALT SURFACE COURSE, MIX "D", N50, IL-9.5mm, 2"	4% @ 50 GYR.	2"	QC/QA
HOT-MIX ASPHALT BASE COURSE (HMA BINDER IL-19.0), 6"	4% @ 50 GYR.	6" (2 LIFTS)	QC/QA
STABILIZED DRIVEWAYS, 10"			
HOT-MIX ASPHALT SURFACE COURSE, MIX "D", N50, IL-9.5mm, 2"	4% @ 50 GYR.	2"	QC/QA
HOT-MIX ASPHALT BASE COURSE (HMA BINDER IL-19.0), 8"	4% @ 50 GYR.	8" (2 LIFTS)	QC/QA
MULTI-PURPOSE PATH			
HOT-MIX ASPHALT SURFACE COURSE, MIX "D", N50, IL-9.5mm, 3"	4% @ 50 GYR.	3"	QC/QA
TEMPORARY PAVEMENT - IL-31			
HOT-MIX ASPHALT SURFACE COURSE "MIX D", N70, IL-9.5mm, 2"	4% @ 70 GYR.	2"	QC/QA
HOT-MIX ASPHALT BINDER COURSE, (HMA BINDER IL-19.0), N70, 8"	4% @ 70 GYR.	8" (3 LIFTS)	QC/QA

QMP DESIGNATION: QUALITY CONTROL; QUALITY ASSURANCE (QC/QA); QUALITY CONTROL FOR PERFORMANCE (QCP)

NOTES:

- THE UNIT WEIGHT USED TO CALCULATE ALL HOT-MIX ASPHALT SURFACE AND BINDER MIXTURES IS 112 LBS/SQ YD/IN
- THE AC TYPE FOR POLYMERIZED HMA MIXES SHALL BE SBS/SBR PG 76-22 AND FOR NON-POLYMERIZED HMA THE AC TYPE SHALL BE PG 64-22 UNLESS MODIFIED BY DISTRICT ONE SPECIAL PROVISIONS. FOR THE USE OF RECYCLED MATERIALS SEE DISTRICT ONE SPECIAL PROVISIONS.
- THE CONTRACTOR SHALL HAVE THE OPTION OF USING PCC PAVEMENT 8.0" OR HMA PAVEMENT 10.0" FOR TEMPORARY PAVEMENT AS SPECIFIED IN THE SPECIAL PROVISIONS AND THE MIXTURE TABLE ON THIS SHEET. EITHER OPTION SHALL BE PLACED ON 4.0" SUBBASE GRANULAR MATERIAL, TYPE B (CA-6).
- PC CONCRETE TEMPORARY PAVEMENT SHALL CONSIST OF CLASS PV CONCRETE MEETING THE REQUIREMENTS OF ART. 1020 OF THE STANDARD SPECIFICATIONS. PCC PAVEMENT 8" THICK. TEMPORARY PCC PAVEMENT DOES NOT REQUIRE DOWEL BARS.
- QUALITY MANAGEMENT PROGRAM (QMP) IDENTIFIES THE PARTICULAR QUALITY CONTROL SPECIFICATION THAT APPLIES TO THE HMA MIXTURE.



Bollinger, Lach & Associates, Inc.
CHICAGO, ILLINOIS

USER NAME: gellwanger	DESIGNED: GJE	REVISED: ADD #1 11/1/2017
PLOT SCALE: 20,0000' / in.	DRAWN: GJE	REVISED:
PLOT DATE: 10/30/2017	CHECKED: DBB	REVISED:
	DATE: 08/07/2017	REVISED:

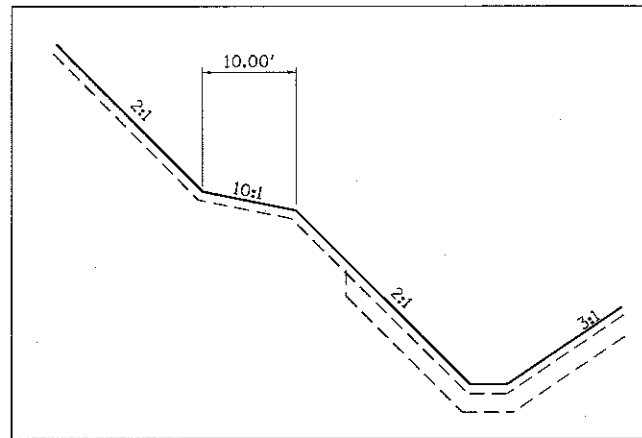
**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**LONGMEADOW PARKWAY
PROPOSED TYPICAL SECTIONS**

SCALE: N.T.S. SHEET 36 OF 611 SHEETS STA. TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2298	16-00215-11-PV	KANE	611	36
CONTRACT NO. 61E05				
ILLINOIS FED. AID PROJECT				

BENCHING DETAIL



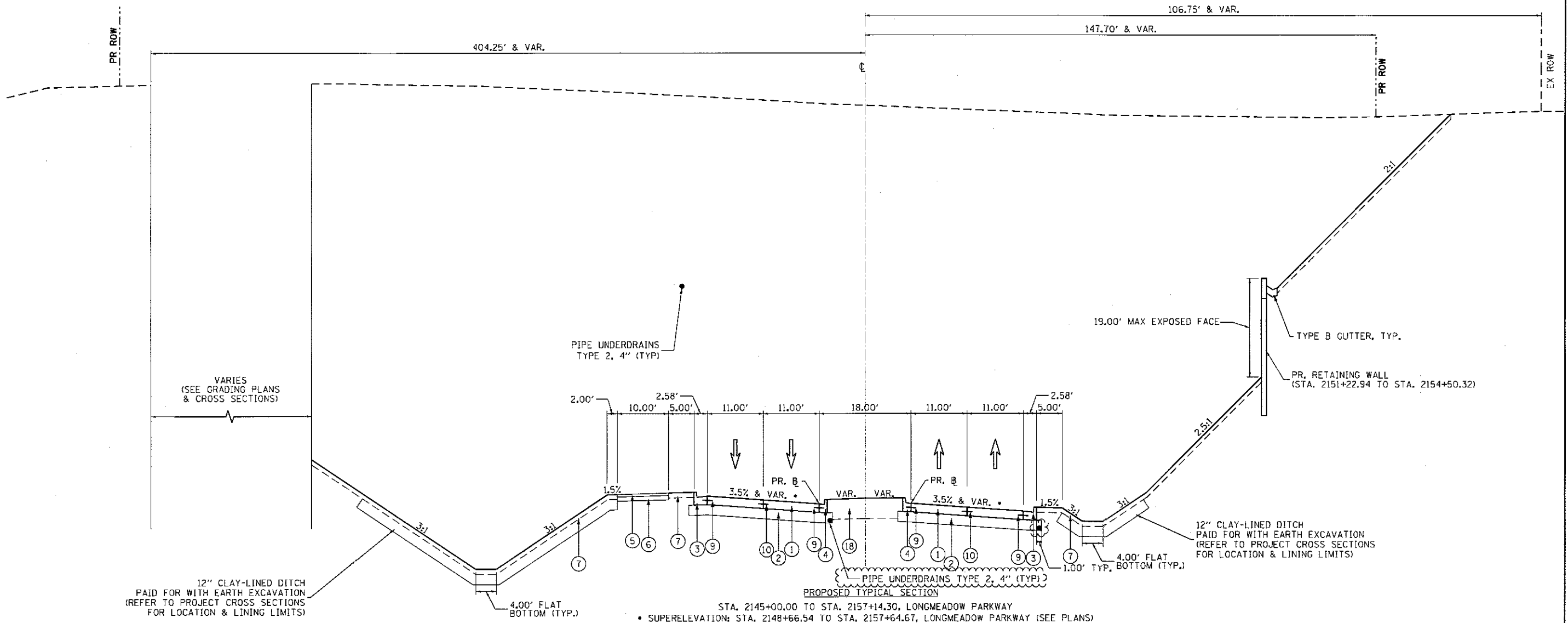
STA. 2151+50.00 TO STA. 2159+00.00, LT, LONGMEADOW PARKWAY
 STA. 2148+50.00 TO STA. 2151+00.00, RT, LONGMEADOW PARKWAY
 STA. 1501+00.00 TO STA. 1502+00.00, RT, CONNECTOR ROAD
 NOTE: REFER TO GRADING PLAN AND CROSS SECTIONS FOR ELEVATIONS

PROPOSED

- ① PORTLAND CEMENT CONCRETE PAVEMENT 10" (JOINTED)
- ② AGGREGATE SUBGRADE IMPROVEMENT 12"
- ③ COMBINATION CONCRETE CURB & GUTTER, TYPE B-6.24
- ④ COMBINATION CONCRETE CURB & GUTTER, TYPE B-6.12
- ⑤ HOT-MIX ASPHALT SURFACE COURSE, MIX "D", N50, 3"
- ⑥ AGGREGATE BASE COURSE, TYPE B, 6"
- ⑦ TOPSOIL EXCAVATION AND PLACEMENT, SPECIAL, 6"
- ⑧ CONCRETE CURB TYPE B, 6"
- ⑨ PROPOSED LONGITUDINAL CONSTRUCTION JOINT WITH NO. 6 x 24" EPOXY COATED DEFORMED TIE BARS AT 24" CENTERS
- ⑩ PROPOSED SAWED LONGITUDINAL JOINT WITH NO. 6 x 30" EPOXY COATED DEFORMED TIE BARS AT 30" CENTERS
- ⑪ POLYMERIZED HOT-MIX ASPHALT SURFACE COURSE, "MIX E", N70, IL-9.5 mm, 2"
- ⑫ POLYMERIZED HOT-MIX ASPHALT BINDER COURSE, IL-19.0, N90, 2 1/4"

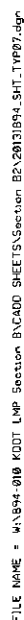
- ⑬ HOT-MIX ASPHALT SHOULDERS, 8"
- ⑭ HOT-MIX ASPHALT BASE COURSE, 5 3/4"
- ⑮ SUBBASE GRANULAR MATERIALS, TYPE C, 2"
- ⑯ COMBINATION CONCRETE CURB & GUTTER, TYPE M-4.24
- ⑰ TOPSOIL EXCAVATION AND PLACEMENT, SPECIAL, 12" (BASINS)
- ⑱ TOPSOIL EXCAVATION AND PLACEMENT, SPECIAL, 24"
- ⑲ CONCRETE MEDIAN, TYPE SB-6.12
- ⑳ HOT-MIX ASPHALT SURFACE COURSE, MIX "D", N70, 2"
- ㉑ AGGREGATE SHOULDERS, TYPE B, 8"
- ㉒ AGGREGATE SHOULDERS, TYPE B, 10"
- ㉓ HOT-MIX ASPHALT SHOULDERS, 6"

NOTE: TOPSOIL FURNISH AND PLACE, SPECIAL, 12" TO BE APPLIED IN ALL BASINS TO HWL



FILE NAME: W:\B94-00 KDOT LVP Section BACOD SHEET\Section B2\2013B94-SHT-1.TYP06.dgn

 Bollinger, Lach & Associates, Inc. MASC, ILLINOIS	USER NAME = gellwanger	DESIGNED - GJE	REVISED - { ADD #1 11/1/2017 }	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	LONGMEADOW PARKWAY PROPOSED TYPICAL SECTIONS	SCALE: N.T.S.	SHEET 37 OF 611 SHEETS	STA. TO STA.	F.A.U. RTE. 229B	SECTION 16-00215-11-PV	COUNTY KANE	TOTAL SHEETS 611	SHEET NO. 37	CONTRACT NO. 61E05	ILLINOIS FED. AID PROJECT
		DRAWN - GJE	REVISED -												
		CHECKED - DBB	REVISED -												
		DATE - 08/07/2017	REVISED -												
PLOT SCALE = 20.0000' / in.															
PLOT DATE = 10/30/2017															

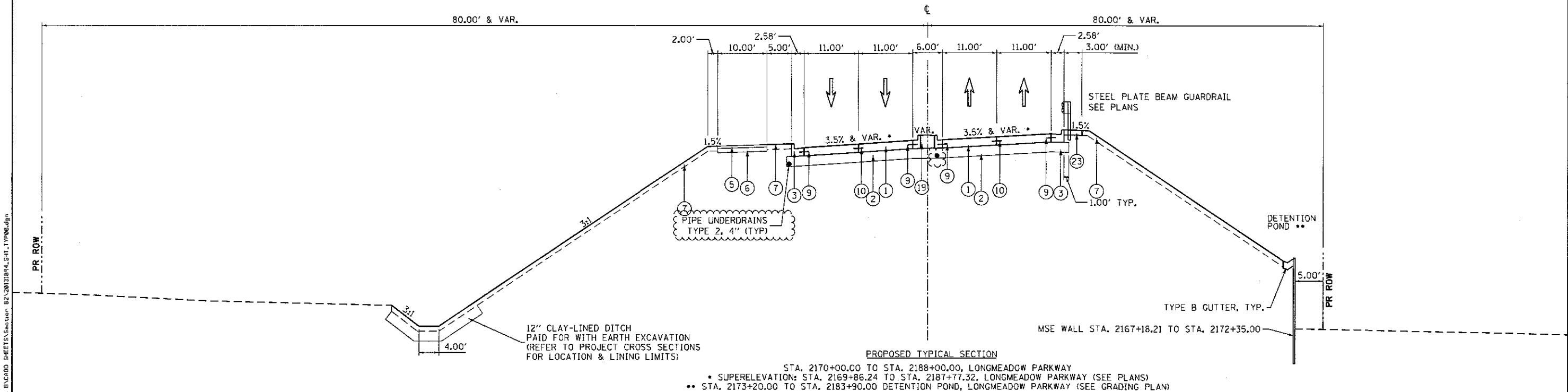


 Bollinger, Lach & Associates, Inc. IL/ASCA, ILLINOIS	USER NAME = gellwanger	DESIGNED - GJE	REVISED - ADD #1 11/1/2017	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	LONGMEADOW PARKWAY PROPOSED TYPICAL SECTIONS				F.A.U. RITE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
		DRAWN - GJE	REVISED -						2298	16-00215-11-PV	KANE	611	38
	PLOT SCALE = 20.0000' / 1" =	CHECKED - DBB	REVISED -		CONTRACT NO. 61E05								
	PLOT DATE = 10/30/2017	DATE = 08/07/2017	REVISED -		SCALE: N.T.S.	SHEET 38 OF 611 SHEETS	STA. TO STA.	ILLINOIS FED. AID PROJECT					

PROPOSED

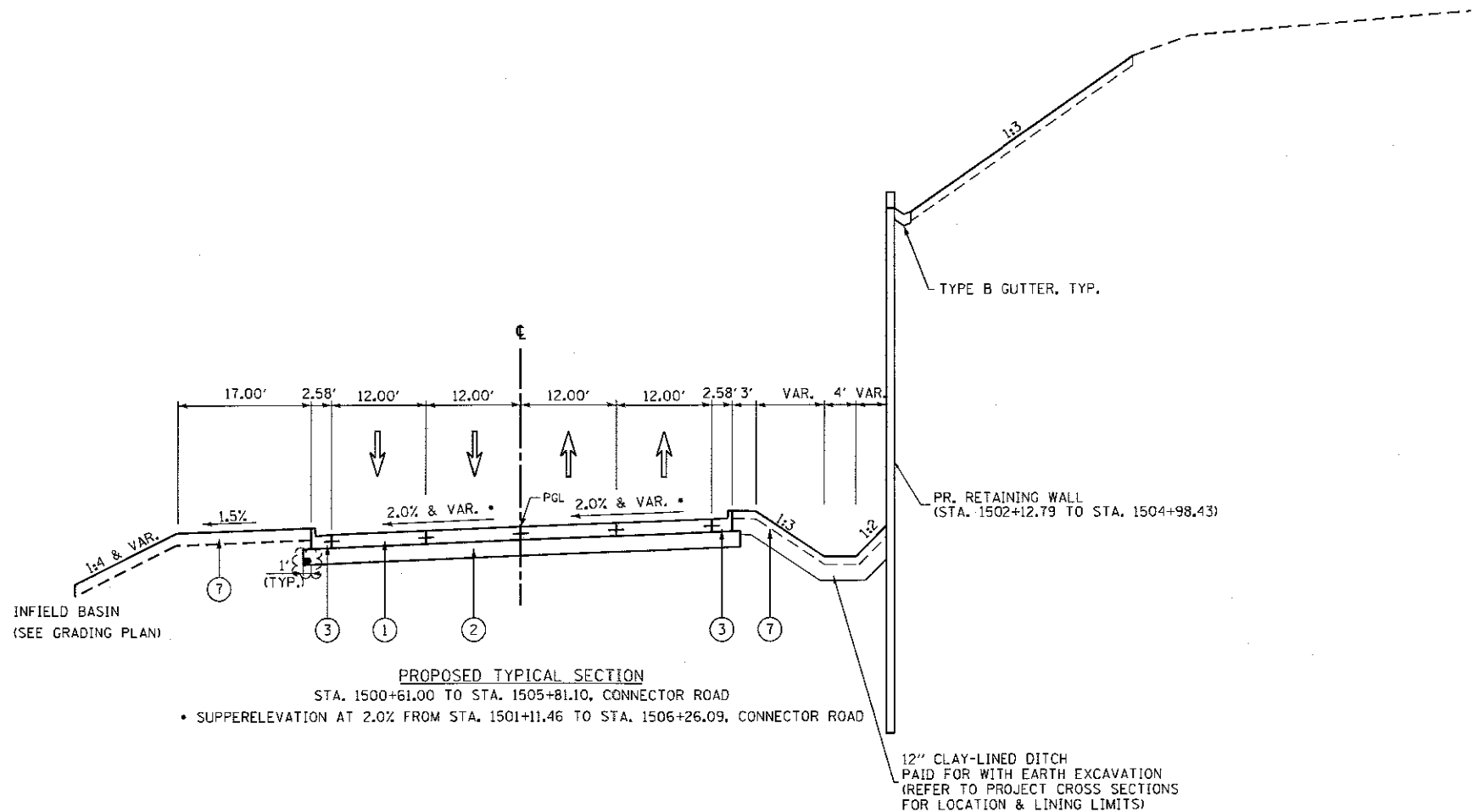
- ① PORTLAND CEMENT CONCRETE PAVEMENT 10" (JOINTED)
- ② AGGREGATE SUBGRADE IMPROVEMENT 12"
- ③ COMBINATION CONCRETE CURB & GUTTER, TYPE B-6.24
- ④ COMBINATION CONCRETE CURB & GUTTER, TYPE B-6.12
- ⑤ HOT-MIX ASPHALT SURFACE COURSE, MIX "D", N50, 3"
- ⑥ AGGREGATE BASE COURSE, TYPE B, 6"
- ⑦ TOPSOIL EXCAVATION AND PLACEMENT, SPECIAL, 6"
- ⑧ CONCRETE CURB TYPE B, 6"
- ⑨ PROPOSED LONGITUDINAL CONSTRUCTION JOINT WITH NO. 6 x 24" EPOXY COATED DEFORMED TIE BARS AT 24" CENTERS
- ⑩ PROPOSED SAWED LONGITUDINAL JOINT WITH NO. 6 x 30" EPOXY COATED DEFORMED TIE BARS AT 30" CENTERS
- ⑪ POLYMERIZED HOT-MIX ASPHALT SURFACE COURSE, "MIX E", N70, IL-9.5 mm, 2"
- ⑫ POLYMERIZED HOT-MIX ASPHALT BINDER COURSE, IL-19.0, N90, 2 1/4"
- ⑬ HOT-MIX ASPHALT SHOULDERS, 8"
- ⑭ HOT-MIX ASPHALT BASE COURSE, 5 3/4"
- ⑮ SUBBASE GRANULAR MATERIALS, TYPE C, 2"
- ⑯ COMBINATION CONCRETE CURB & GUTTER, TYPE M-4.24
- ⑰ TOPSOIL EXCAVATION AND PLACEMENT, SPECIAL, 12" [BASINS]
- ⑱ TOPSOIL EXCAVATION AND PLACEMENT, SPECIAL, 24"
- ⑲ CONCRETE MEDIAN, TYPE SB-6.12
- ⑳ HOT-MIX ASPHALT SURFACE COURSE, MIX "D", N70, 2"
- ㉑ AGGREGATE SHOULDERS, TYPE B, 8"
- ㉒ AGGREGATE SHOULDERS, TYPE B, 10"
- ㉓ HOT-MIX ASPHALT SHOULDERS, 6"

NOTE: TOPSOIL FURNISH AND PLACE, SPECIAL, 12" TO BE APPLIED IN ALL BASINS TO HWL



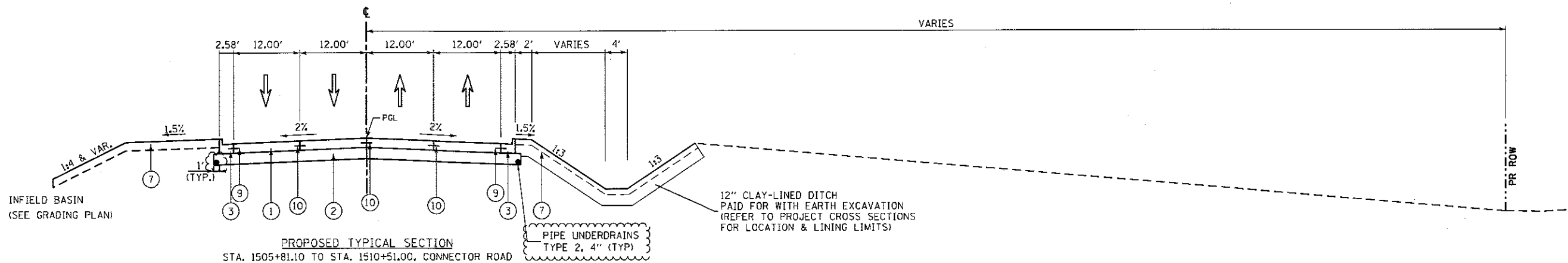
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 Bollinger, Lach & Associates, Inc. ITASCA, ILLINOIS	USER NAME = gellwenger	DESIGNED - GJE	REVISED - ADD #1 11/1/2017	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	LONGMEADOW PARKWAY PROPOSED TYPICAL SECTIONS				F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
		DRAWN - GJE	REVISED -						2298	16-00215-11-PV	KANE	611	39
	PLOT SCALE = 20.0000' / 1"	CHECKED - DBB	REVISED -		CONTRACT NO. 61E05								
	PLOT DATE = 10/30/2017	DATE = 08/07/2017	REVISED -		SCALE: N.T.S.	SHEET 39 OF 611 SHEETS	STA.	TO STA.	ILLINOIS FED. AID PROJECT				



- PROPOSED**
- ① PORTLAND CEMENT CONCRETE PAVEMENT 10" (JOINTED)
 - ② AGGREGATE SUBGRADE IMPROVEMENT 12"
 - ③ COMBINATION CONCRETE CURB & GUTTER, TYPE B-6.24
 - ④ COMBINATION CONCRETE CURB & GUTTER, TYPE B-6.12
 - ⑤ HOT-MIX ASPHALT SURFACE COURSE, MIX "D", N50, 3"
 - ⑥ AGGREGATE BASE COURSE, TYPE B, 6"
 - ⑦ TOPSOIL EXCAVATION AND PLACEMENT, SPECIAL, 6"
 - ⑧ CONCRETE CURB TYPE B, 6"
 - ⑨ PROPOSED LONGITUDINAL CONSTRUCTION JOINT WITH NO. 6 x 24" EPOXY COATED DEFORMED TIE BARS AT 24" CENTERS
 - ⑩ PROPOSED SAWED LONGITUDINAL JOINT WITH NO. 6 x 30" EPOXY COATED DEFORMED TIE BARS AT 30" CENTERS
 - ⑪ POLYMERIZED HOT-MIX ASPHALT SURFACE COURSE, "MIX E", N70, IL-9.5 mm, 2"
 - ⑫ POLYMERIZED HOT-MIX ASPHALT BINDER COURSE, IL-19.0, N90, 2 1/4"
 - ⑬ HOT-MIX ASPHALT SHOULDERS, 8"
 - ⑭ HOT-MIX ASPHALT BASE COURSE, 5 3/4"
 - ⑮ SUBBASE GRANULAR MATERIALS, TYPE C, 2"
 - ⑯ COMBINATION CONCRETE CURB & GUTTER, TYPE M-4.24
 - ⑰ TOPSOIL EXCAVATION AND PLACEMENT, SPECIAL, 12" [BASINS]
 - ⑱ TOPSOIL EXCAVATION AND PLACEMENT, SPECIAL, 24"
 - ⑲ CONCRETE MEDIAN, TYPE SB-6.12
 - ⑳ HOT-MIX ASPHALT SURFACE COURSE, MIX "D", N70, 2"
 - ㉑ AGGREGATE SHOULDERS, TYPE B, 8"
 - ㉒ AGGREGATE SHOULDERS, TYPE B, 10"
 - ㉓ HOT-MIX ASPHALT SHOULDERS, 6"

NOTE: TOPSOIL FURNISH AND PLACE, SPECIAL, 12" TO BE APPLIED IN ALL BASINS TO HWL



FILE NAME = V:\B94-010 KDOT LRP Section B\CAD00 SHEETS\Section B2\20131894.SHT.TYP03.dgn



**Bollinger, Lach
& Associates, Inc.**
TASCA, ILLINOIS

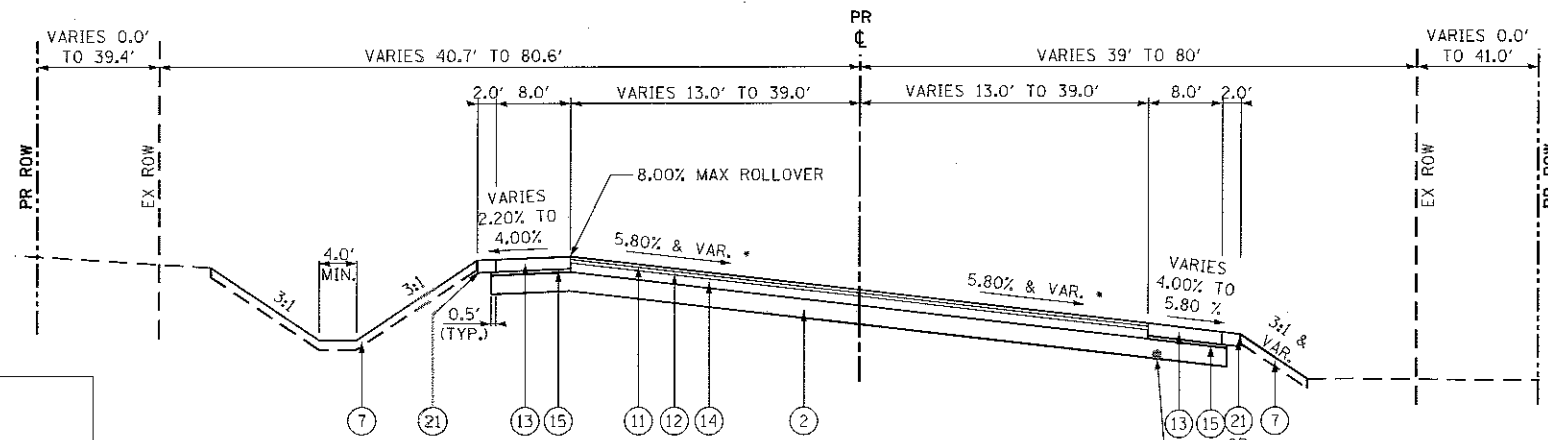
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PLDT SCALE = 20.0000' / 1"	DRAWN - GJE	REVISED -
PLDT DATE = 10/30/2017	CHECKED - DBB	REVISED -
	DATE - 08/07/2017	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**CONNECTOR ROAD
PROPOSED TYPICAL SECTION**

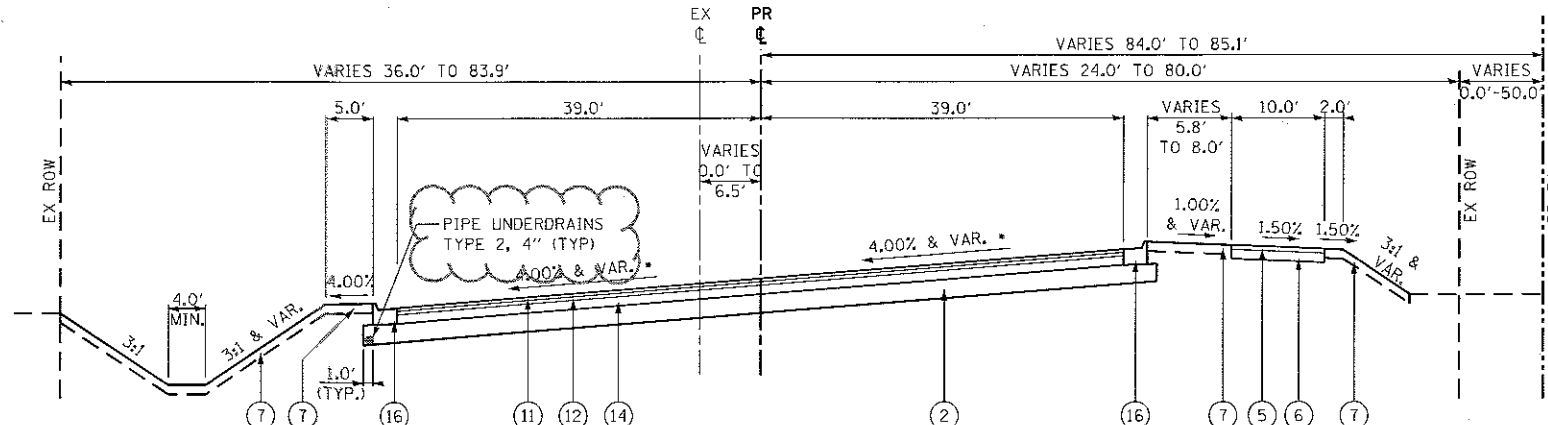
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F.A.I.L. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2298	16-00215-11-PV	KANE	611	40
CONTRACT NO. 61E05				
ILLINOIS FED. AID PROJECT				



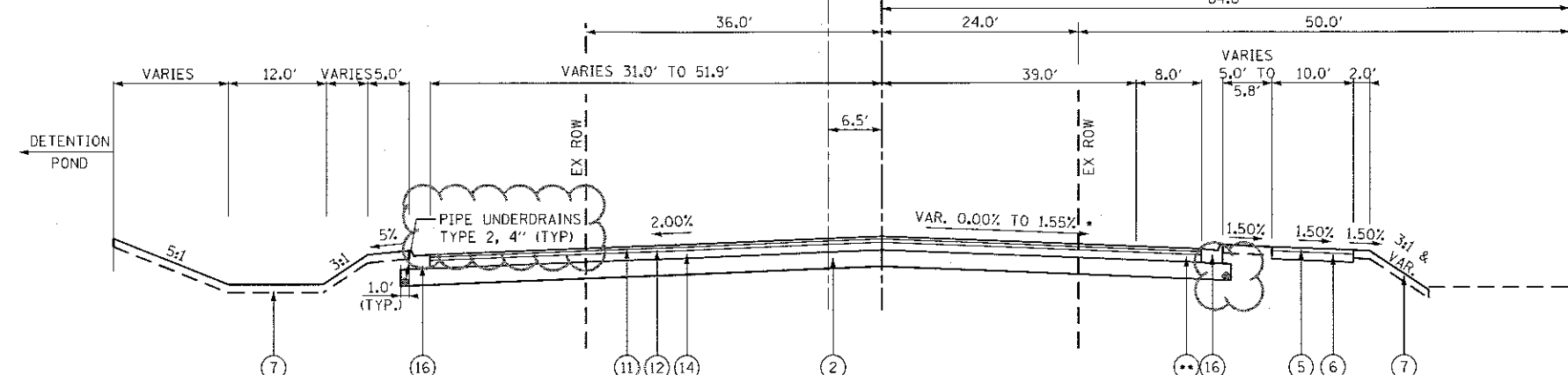
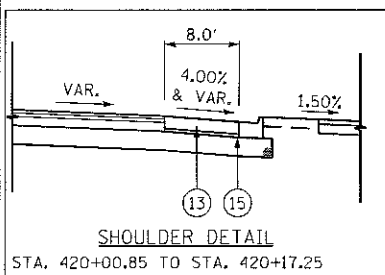
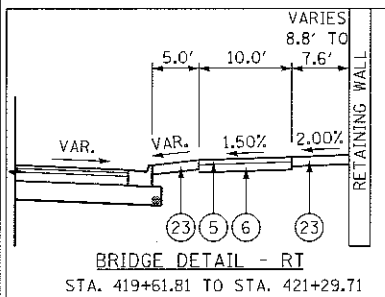
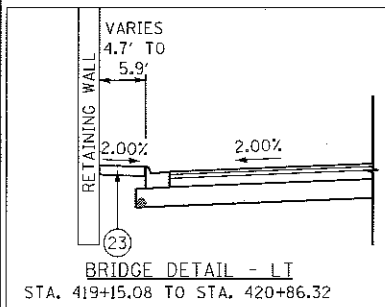
PROPOSED TYPICAL SECTION

STA. 401+59.00 TO STA. 409+10.75, IL ROUTE 31
 * FOR SUPERELEVATION TABLES
 SEE SHEET 134
 ** STA. 406+53.66 TO STA. 408+57.06, IL ROUTE 31



PROPOSED TYPICAL SECTION

STA. 409+10.75 TO STA. 414+53.40, IL ROUTE 31
 STA. 416+30.48 TO STA. 419+46.45, IL ROUTE 31
 * FOR SUPERELEVATION TABLES
 SEE SHEET 134
 ** 2' AGGREGATE SHOULDERS, 10"
 LT STA. 409+10.75 TO STA. 412+78.07, IL ROUTE 31
 RT STA. 409+10.75 TO STA. 411+32.43, IL ROUTE 31



PROPOSED TYPICAL SECTION

STA. 419+46.45 TO STA. 420+17.25, IL ROUTE 31
 * FOR SUPERELEVATION TABLES
 SEE SHEET 134
 ** SEE LEFT FOR SHOULDER DETAIL

PROPOSED

- ① PORTLAND CEMENT CONCRETE PAVEMENT 10" (JOINTED)
- ② AGGREGATE SUBGRADE IMPROVEMENT 12"
- ③ COMBINATION CONCRETE CURB & GUTTER, TYPE B-6.24
- ④ COMBINATION CONCRETE CURB & GUTTER, TYPE B-6.12 (ALSO SEE NOTE 1)
- ⑤ HOT-MIX ASPHALT SURFACE COURSE, MIX "D", N50, 3"
- ⑥ AGGREGATE BASE COURSE, TYPE B, 6"
- ⑦ TOPSOIL EXCAVATION AND PLACEMENT, SPECIAL, 6"
- ⑧ CONCRETE CURB TYPE B, 6"
- ⑨ PROPOSED LONGITUDINAL CONSTRUCTION JOINT WITH NO. 6 x 24" EPOXY COATED DEFORMED TIE BARS AT 24" CENTERS
- ⑩ PROPOSED SAWED LONGITUDINAL JOINT WITH NO. 6 x 30" EPOXY COATED DEFORMED TIE BARS AT 30" CENTERS
- ⑪ POLYMERIZED HOT-MIX ASPHALT SURFACE COURSE, MIX "E", N70, 2"
- ⑫ POLYMERIZED HOT-MIX ASPHALT BINDER COURSE, IL-19.0, N90, 2 1/4"
- ⑬ HOT-MIX ASPHALT SHOULDERS, 8"
- ⑭ HOT-MIX ASPHALT BASE COURSE, 5 3/4"
- ⑮ SUBBASE GRANULAR MATERIALS, TYPE B, 2"
- ⑯ COMBINATION CONCRETE CURB & GUTTER, TYPE M-4.24
- ⑰ TOPSOIL EXCAVATION AND PLACEMENT, SPECIAL, 12" [BASINS]
- ⑱ TOPSOIL EXCAVATION AND PLACEMENT, SPECIAL, 24"
- ⑲ CONCRETE MEDIAN, TYPE SB-6.12
- ⑳ HOT-MIX ASPHALT SURFACE COURSE, MIX "D", N70, 2"
- ㉑ AGGREGATE SHOULDERS, TYPE B, 8"
- ㉒ AGGREGATE SHOULDERS, TYPE B, 10"
- ㉓ HOT-MIX ASPHALT SHOULDERS, 6"

NOTE: TOPSOIL FURNISH AND PLACE, SPECIAL, 12" TO BE APPLIED IN ALL BASINS TO HWL AND ON ALL 3:1 BERM SLOPES.

FILE NAME: G:\CH3\31\09\Road\Draws - B2\Contract\2013\814-SH1-PR1-typtsect.dgn



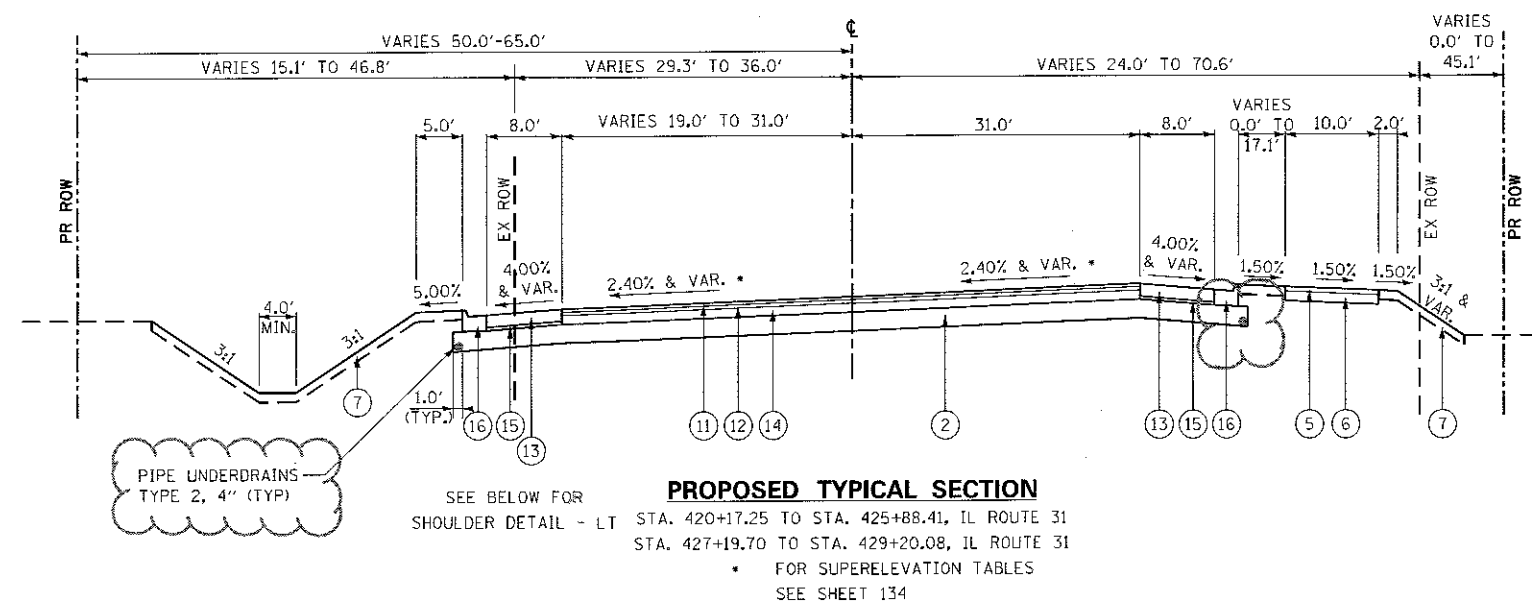
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PLOT SCALE = 20.0000' / 1"	DRAWN - MLB	REVISED -
PLOT DATE = 10/20/2017	CHECKED - MFD	REVISED -
	DATE - 8/7/2017	REVISED -

STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

PROPOSED TYPICAL SECTIONS IL ROUTE 31

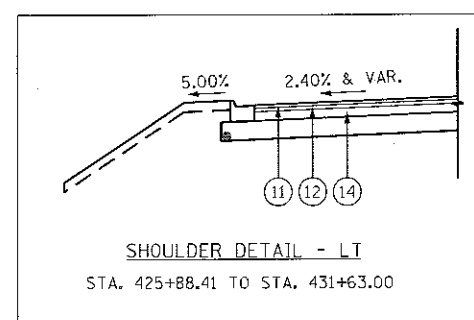
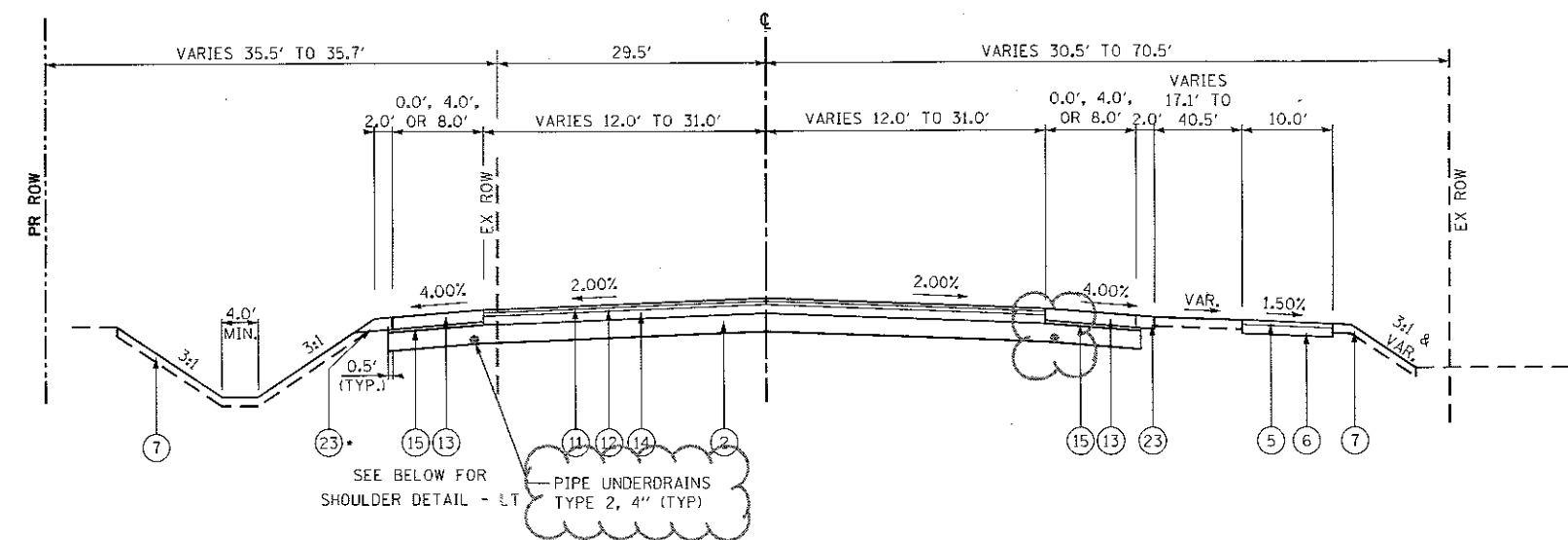
SCALE: N.T.S. SHEET 43 OF 611 SHEETS

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2298	16-00215-11-PV	KANE	611	43
CONTRACT NO. 61E05				
FED. ROAD DIST. NO. 1 [ILLINOIS] FED. AID PROJECT				



- PROPOSED**
- ① PORTLAND CEMENT CONCRETE PAVEMENT 10" (JOINTED)
 - ② AGGREGATE SUBGRADE IMPROVEMENT 12"
 - ③ COMBINATION CONCRETE CURB & GUTTER, TYPE B-6.24
 - ④ COMBINATION CONCRETE CURB & GUTTER, TYPE B-6.12 (ALSO SEE NOTE 1)
 - ⑤ HOT-MIX ASPHALT SURFACE COURSE, MIX "D", N50, 3"
 - ⑥ AGGREGATE BASE COURSE, TYPE B, 6"
 - ⑦ TOPSOIL EXCAVATION AND PLACEMENT, SPECIAL, 6"
 - ⑧ CONCRETE CURB TYPE B, 6"
 - ⑨ PROPOSED LONGITUDINAL CONSTRUCTION JOINT WITH NO. 6 x 24" EPOXY COATED DEFORMED TIE BARS AT 24" CENTERS
 - ⑩ PROPOSED SAWED LONGITUDINAL JOINT WITH NO. 6 x 30" EPOXY COATED DEFORMED TIE BARS AT 30" CENTERS
 - ⑪ POLYMERIZED HOT-MIX ASPHALT SURFACE COURSE, MIX "E", N70, 2"
 - ⑫ POLYMERIZED HOT-MIX ASPHALT BINDER COURSE, IL-19.0, N90, 2 1/4"
 - ⑬ HOT-MIX ASPHALT SHOULDERS, 8"
 - ⑭ HOT-MIX ASPHALT BASE COURSE, 5 3/4"
 - ⑮ SUBBASE GRANULAR MATERIALS, TYPE B, 2"
 - ⑯ COMBINATION CONCRETE CURB & GUTTER, TYPE M-4.24
 - ⑰ TOPSOIL EXCAVATION AND PLACEMENT, SPECIAL, 12" [BASINS]
 - ⑱ TOPSOIL EXCAVATION AND PLACEMENT, SPECIAL, 24"
 - ⑲ CONCRETE MEDIAN, TYPE SB-6.12
 - ⑳ HOT-MIX ASPHALT SURFACE COURSE, MIX "D", N70, 2"
 - ㉑ AGGREGATE SHOULDERS, TYPE B, 8"
 - ㉒ AGGREGATE SHOULDERS, TYPE B, 10"
 - ㉓ HOT-MIX ASPHALT SHOULDERS, 6"

NOTE: TOPSOIL FURNISH AND PLACE, SPECIAL, 12" TO BE APPLIED IN ALL BASINS TO HWL AND ON ALL 3:1 BERM SLOPES.



FILE NAME: G:\CH\3\08\Road\Sheets - 82 Contract\2013\854-SHT-PR_Typical.dgn



USER NAME = Mibeening	DESIGNED - BSH	REVISED - ADD #1 11/1/2017
DRAWN - MLB	CHECKED - MFD	REVISED -
DATE - 8/7/2017		

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

PROPOSED TYPICAL SECTIONS IL ROUTE 31		
SCALE: N.T.S.	SHEET 44 OF 611 SHEETS	

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
229B	16-00215-11-PV	KANE	611	44
CONTRACT NO. 61E05				
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				

FILE NAME = W:\B94-010 KDOT LRP Section B\CDOD SHEETS\Section B2\2013B94-SHT SCHEDULES.dgn

STEEL PLATE BEAM GUARDRAIL, TYPE B (SPECIAL), 6 FOOT POSTS (X6300135)				
STATION	OFFSET (FT)	STATION	OFFSET (FT)	QUANTITY (FT)
IL ROUTE 31				
420+83.32	50.59 LT	420+95.87	50.59 LT	13.0
TOTAL				13.0

TRAFFIC BARRIER TERMINAL, TYPE 1 (SPECIAL) TANGENT (63100167)				
STATION	OFFSET (FT)	STATION	OFFSET (FT)	QUANTITY (EACH)
LONGMEADOW PARKWAY				
2163+43.44	33.58' RT	2165+31.88	35.75' RT	1
2167+18.21	35.40' LT	2168+62.20	34.64 LT	1
IL ROUTE 31				
406+84.08	42.97 RT	407+35.15	43.37 RT	1
408+46.44	41.00 LT	408+96.44	41.00 LT	1
411+96.46	41.00 LT	412+48.33	41.95 LT	1
410+28.51	41.03 RT	410+76.74	42.44 RT	1
421+21.08	50.51 LT	421+71.50	50.05 LT	1
FOREST DRIVE				
7+19.94	8.78 LT	7+69.86	7.26 LT	1
11+24.50	7.27 LT	11+74.50	9.26 LT	1
TOTAL				9

TRAFFIC BARRIER TERMINAL, TYPE 2 (63100045)				
STATION	OFFSET (FT)	STATION	OFFSET (FT)	QUANTITY (EACH)
LONGMEADOW PARKWAY				
2172+23.71	27.19 RT	2172+35.80	27.83 RT	1
IL ROUTE 31				
420+68.77	50.59 LT	420+83.32	50.59 LT	1
TOTAL				2

LONG-SPAN GUARDRAIL OVER CULVERT, 18 FT 9 IN SPAN (63000360)				
STATION	OFFSET (FT)	STATION	OFFSET (FT)	QUANTITY (FT)
IL ROUTE 31				
408+47.60	43.50 RT	410+16.30	41.00 RT	168.8
408+96.44	41.00 LT	410+66.84	41.00 LT	168.8
TOTAL				337.5

STEEL PLATE BEAM GUARDRAIL, TYPE B, 6 FOOT POSTS (63000007)				
STATION	OFFSET (FT)	STATION	OFFSET (FT)	QUANTITY (FT)
IL ROUTE 31				
420+95.87	50.59 LT	421+21.08	50.51 LT	25.0
TOTAL				25.0

STEEL PLATE BEAM GUARDRAIL, TYPE A, 6 FOOT POSTS (63000001)			
STATION	STATION	OFFSET (FT)	QUANTITY (FT)
LONGMEADOW PARKWAY			
2163+43.44	2165+31.88	RT	75.0
2167+18.21	2172+23.71	RT	463.0
2167+18.21	2168+62.20	LT	50.0
FOREST DRIVE			
7+69.86	11+24.50	LT	325.0
IL ROUTE 31			
407+35.15	408+47.60	43.50 RT	112.5
410+16.30	410+28.51	41.03 RT	12.5
410+66.84	411+96.46	41.00 LT	125.0
TOTAL			1163.0

TRAFFIC BARRIER TERMINAL, TYPE 6 (63100085)				
STATION	OFFSET (FT)	STATION	OFFSET (FT)	QUANTITY (EACH)
LONGMEADOW PARKWAY				
2164+87.88	33.00 RT	2165+31.88	33.00 RT	1
2167+18.21	33.00 LT	2167+62.21	33.00 LT	1
2167+18.21	33.00 RT	2167+62.21	33.00 RT	1
TOTAL				3

STEEL PLATE BEAM GUARDRAIL (SHORT RADIUS) (X6330725)				
STATION	OFFSET (FT)	STATION	OFFSET (FT)	QUANTITY (FT)
FOREST DRIVE				
10+69.86	7.00 LT	10+99.50	7.00 LT	37.5
TOTAL				37.5

TEMPORARY ACCESS (PRIVATE ENTRANCE) (X4021000)		
STATION	OFFSET	QUANTITY (EACH)
FOREST DRIVE		
0+00	RT	1
4+15	RT	1
4+57	RT	1
5+63	RT	1
6+45	RT	1
10+38	RT	1
13+02	CL	1
13+57	RT	1
14+54	RT	1
IL ROUTE 31		
425+60	RT	1
TOTAL		10

TEMPORARY ACCESS (COMMERCIAL ENTRANCE) (X4022000)		
STATION	OFFSET	QUANTITY (EACH)
IL ROUTE 31		
424+80	LT	1
425+40	LT	1
TOTAL		2
CONCRETE HEADWALLS FOR PIPE DRAINS (60100060)		
STATION	OFFSET	EACH
IL ROUTE 31		
401+59.00	33.65 RT	1
406+50.00	47.19 RT	1
433+50.00	32.86 RT	1
TOTAL		3

FIRE HYDRANT ASSEMBLY COMPLETE (X5640150)		
STATION	OFFSET (FT)	QUANTITY (EACH)
RAGING BUFFALO		
800+85.41	35.02 LT	1
803+86.71	194.47 LT	1
TOTAL		2

PIPE UNDERDRAIN, TYPE 2, 4" (60108204)			
STR.	STATION	OFFSET	LENGTH (FT)
LONGMEADOW PARKWAY			
EX.	2123+90.00	2.00 RT	35
EX.	2123+90.00	31.00 RT	24
EX.	2130+72.58	31.00 LT	24
EX.	2130+72.58	31.00 RT	24
EX.	2135+03.00	42.00 RT	46
EX.	2135+03.00	31.00 LT	24
EX.	2136+42.73	31.00 LT	46
EX.	2136+42.73	31.00 RT	24
EX.	2141+00.00	31.00 LT	24
EX.	2141+00.00	31.00 RT	24
516	2147+24.50	31.00 LT	24
518	2147+24.50	31.00 RT	24
509	2151+94.90	9.00 LT	24
507	2151+94.90	31.00 RT	24
533	2156+97.68	31.00 LT	24
532	2156+97.68	42.00 RT	35
608	2161+00.00	31.00 LT	36
606	2161+00.00	31.00 RT	24
619	2165+23.00	31.00 LT	24
618	2165+23.00	31.00 RT	24
711	2169+03.00	28.90' LT	24
710	2169+03.00	28.90 RT	24
704	2173+47.30	25.00 LT	24
703	2173+47.30	3.00 RT	24
728	2179+00.00	25.00 LT	24
729	2179+00.00	3.00 RT	24
749	2183+89.92	25.00 LT	24
747	2183+89.92	3.00 RT	24
774	2185+09.92	25.00 LT	24
775	2185+09.92	3.00 RT	24
CONNECTOR ROAD			
806	1505+67.06	24.00 LT	50
825	1509+77.60	28.63 LT	31
823	1509+77.60	24.00 RT	26
IL ROUTE 31			
903	410+48.76	39.00 LT	80
910	413+72.58	40.84 LT	82
919	419+00.00	47.41 LT	88
928	423+83.69	36.76 LT	39
927	423+83.69	39.00 RT	41
939	429+20.00	35.00 LT	37
938	429+20.00	38.80 RT	41
TOTAL			1,313

*REFER TO DRAINAGE PLANS AND HWY STD 601001-05 FOR PLACEMENT OF UNDERDRAIN UNDERNEATH THE SHOULDER AND BACK OF CURB.

PRECAST CONCRETE PARKING BLOCK (X0301430)		
STATION	OFFSET (FT)	QUANTITY (EACH)
RAGING BUFFALO		
806+67.91	87.01 LT	1
803+77.99	87.07 LT	1
803+90.24	88.29 LT	1
804+06.18	89.60 LT	1
804+50.71	189.39 LT	1
804+58.90	185.65 LT	1
804+73.45	179.00 LT	1
804+81.64	175.26 LT	1
804+89.37	171.73 LT	1
805+03.92	165.08 LT	1
TOTAL		10

RIPRAP SIZE AND PLACEMENT CHART										
STRUCTURE NUMBER	DIAMETER	IDOT ROCK GRADATION	L-apron (ft)	W1 (ft)	W2 (ft)	tmin (in)	t-bed (in)	RIPRAP, CLASS A3 (SQ YD) (28100105)	RIPRAP, CLASS A5 (SQ YD) (28100109)	FILTER FABRIC (SQ YD) (28200200)
519	12"	RR-3	12	3	7.8	8	-	7		7
515	12"	RR-3	12	3	7.8	8	-	7		7
852	12"	RR-3	12	3	7.8	8	-	7		7
851	12"	RR-3	12	3	7.8	8	-	7		7
862	12"	RR-3	12	3	7.8	8	-	7		7
861	12"	RR-3	12	3	7.8	8	-	7		7
511	12"	RR-3	15	3	9	8	-	10		10
DITCH OUTLET	-	RR-3	70	5	5	8	-	39		39
872	12"	RR-3	12	3	7.8	8	-	7		7
871	12"	RR-3	12	3	7.8	8	-	7		7
CURB OUTLET	-	RR-3	6	4	4	8	-	3		3
CURB OUTLET	-	RR-3	6	4	4	8	-	3		3
501	24"	RR-5	17	6	12.8	22	8		18	18
CURB OUTLET	-	RR-3	21	5	16	8	-	25		25
882	12"	RR-3	15	3	9	8	-	10		10
881	12"	RR-3	15	3	9	8	-	10		10
892	12"	RR-3	15	3	9	8	-	10		10
891	12"	RR-3	15	3	9	8	-	10		10
531,815	12",24"	RR-5	87	11	30	22	8		218	218
656	36"	RR-5	22	9	17.8	22	8		33	33
651	36"	RR-5	22	9	17.8	22	8		33	33
601	12"	RR-3	15	3	9	8	-	10		10
BOX CULVERT-S002 (N)	TRIPLE 6'X4'	RR-5	19	65.5	79	22	8		153	153
BOX CULVERT-S002 (S)	TRIPLE 6'X4'	RR-5	50	38	41	22	8		219	219
CURB OUTLET	-	RR-3	67	5	5	8	-	37		37
777	18"	RR-3	12	4.5	9.3	8	-	9		9
BOX CULVERT-S003 (N)	DUAL 6'X4'	RR-5	50	15	61	22	8		219	219
BOX CULVERT-S003 (S)	DUAL 6'X4'	RR-5	50	21	45	22	8		183	183
701	15"	RR-3	15.5	3.75	10	8	-	12		12
721	15"	RR-3	15.5	3.75	10	8	-	12		12
793	12"	RR-3	12	3	7.8	8	-	7		7
791	12"	RR-3	12	3	7.8	8	-	7		7
741	24"	RR-5	17	6	12.8	22	8		18	18
782	36" EQ	RR-5	22	9	17.8	22	8		33	33
781	36" EQ	RR-5	22	9	17.8	22	8		33	33
771	15"	RR-3	12	3.75	8.6	8	-	8		8
801	24"	RR-5	17	6	12.8	22	8		18	18
833	12"	RR-3	12	3	7.8	8	-	7		7
BOX CULVERT-S004 (N)	TRIPLE 6'X4'	RR-5	56	36	30	22	8		205	205
BOX CULVERT-S004 (S)	TRIPLE 6'X4'	RR-5	45	32	52	22	8		210	210
821	15"	RR-3	12	3.75	8.6	8	-	8		8
841	12"	RR-3	15	3	9	8	-	10		10
842	12"	RR-3	12	3	7.8	8	-	7		7
946	24"	RR-5	17	6	12.8	22	8		18	18
945	24"	RR-5	17	6	12.8	22	8		18	18
BOX CULVERT-S005 (W)	8'X7'	RR-5	30	100	110	22	8		350	350
BOX CULVERT-S005 (E)	8'X7'	RR-5	18.5	37	79	22	8		119	119
951	15"	RR-3	15.5	3.75	10	8	-	12		12
952	15"	RR-3	12	3.75	8.6	8	-	8		8
981	42	RR-5	23	10.5	19.7	22	8		39	39
961	15"	RR-3	12	3.75	8.6	8	-	8		8
962	15"	RR-3	12	3.75	8.6	8	-	8		8
989	24	RR-5	14	6	11.6	22	8		14	14
972	12	RR-3	12	3	7.8	8	-	7		7
971	12	RR-3	12	3	7.8	8	-	7		7
942	24	RR-5	14	6	11.6	22	8		14	14
995	24	RR-5	17	6	12.8	22	8		18	18
RB1	24	RR-5	16	6	18	22	8		22	22
RB25	12	RR-3	12	3	7.8	8	-	8		8
RB27	15	RR-3	12	3.75	8.6	8	-	8		8
RB37	15	RR-3	12	3.75	8.6	8	-	8		8
RB38	15	RR-3	12	3.75	8.6	8	-	8		8
RB39	12	RR-3	12	3	7.8	8	-	8		8
RB41	12	RR-3	12	3	7.8	8	-	8		8
BOX CULVERT-RB42	10'X3'	RR-5	14	12	36	22	8		44	44
BOX CULVERT-RB42	10'X3'	RR-5	22	12	20	22	8		59	59
TOTAL								411	2305	2717

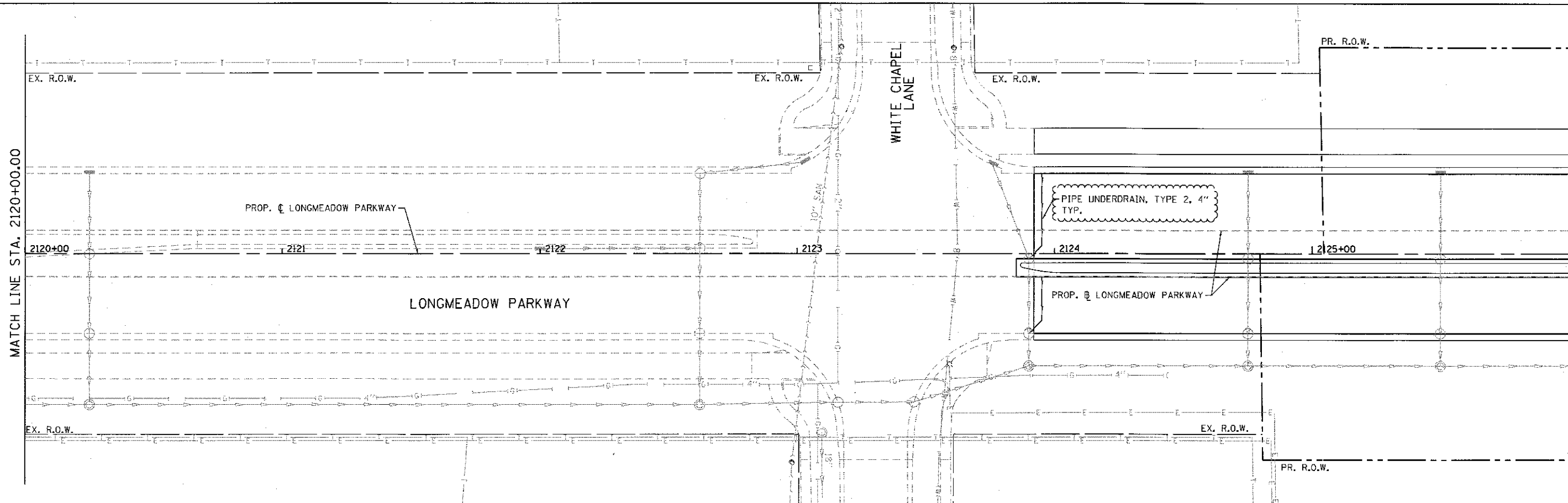
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NO.	BY	
NOTE BOOK	ADJUSTED	
NO.	BY	
FILE NAME	ADJUSTED	

PROFILE	SURVEYED	DATE
NO.	BY	
NOTE BOOK	ADJUSTED	
NO.	BY	
FILE NAME	ADJUSTED	

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MATCH LINE STA. 2120+00.00

MATCH LINE STA. 2126+00.00

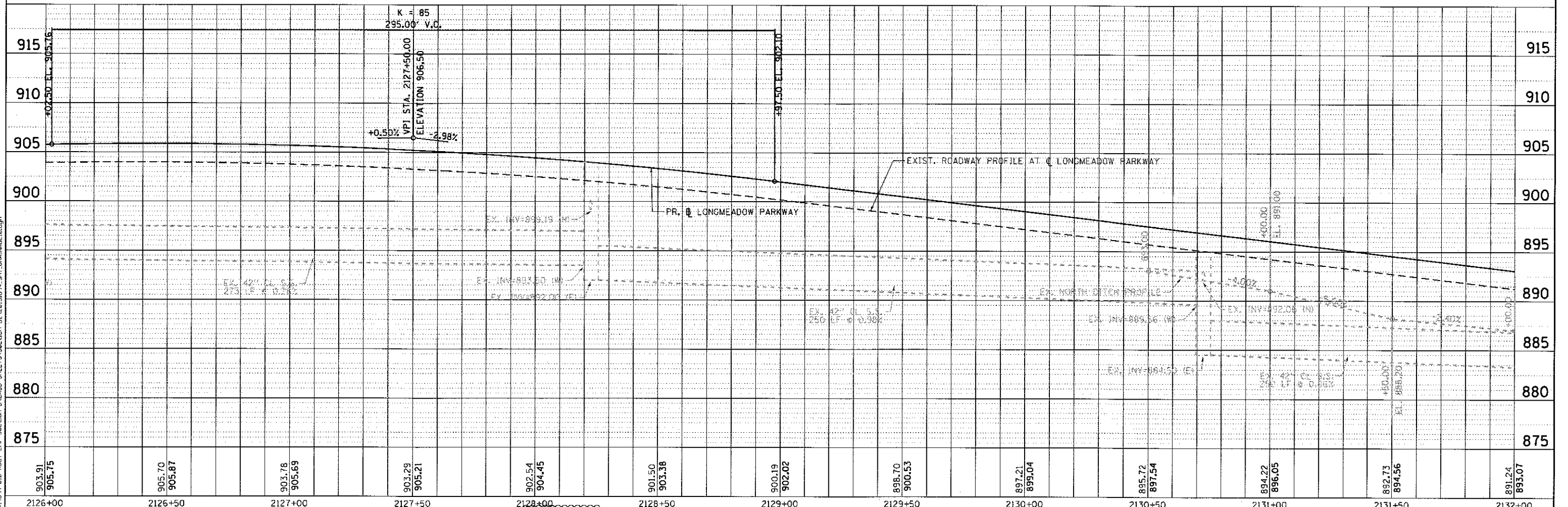
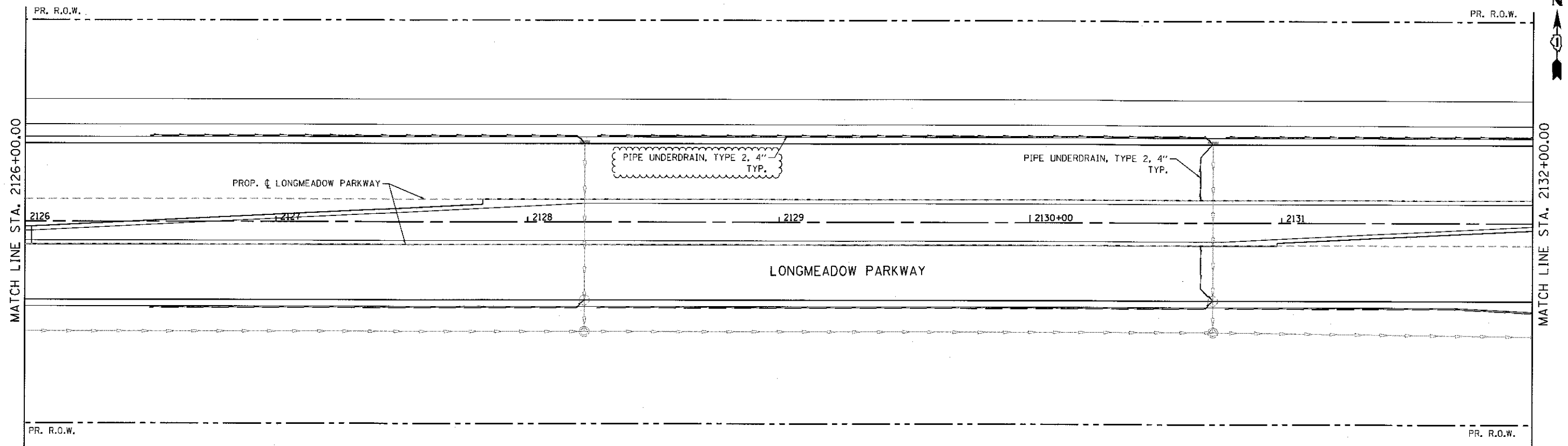


DESIGNED - GJE		REVISED - ADD #1 11/1/2017		LONGMEADOW PARKWAY		SECTION		COUNTY		TOTAL SHEET	
DRAWN - GJE		REVISED -		DRAINAGE AND UTILITY		16-00215-11-PV		KANE		611 207	
CHECKED - DSB		REVISED -		SCALE: 1"=20'		SHEET 207 OF 611 SHEETS		CONTRACT NO. 61E05		ILLINOIS FED. AID PROJECT	
DATE - 09/07/2017		REVISED -		STA. 2120+00.00 TO STA. 2126+00.00							

PLAN	DATE	BY
DESIGNED		
DRAWN		
CHECKED		
NOTED		
FILE NAME		

PROFILE	DATE	BY
DESIGNED		
DRAWN		
CHECKED		
NOTED		
FILE NAME		

FILE NAME: M:\6594-018\0001 LRP Section B\0000 SHEET\Section B2-2013094_Sht_DRAINAGE.dgn



2126+00	2126+50	2127+00	2127+50	2128+00	2128+50	2129+00	2129+50	2130+00	2130+50	2131+00	2131+50	2132+00
903.91 905.75	905.70 905.87	903.78 905.69	903.29 905.21	902.54 904.45	901.50 903.38	900.19 902.02	898.70 900.53	897.21 899.04	895.72 897.54	894.22 896.05	892.73 894.56	891.24 893.07

Bollinger, Lach & Associates, Inc.
 ITASCA, ILLINOIS

USER NAME: gellwanger
 DESIGNED: GJE
 DRAWN: GJE
 CHECKED: DBB
 DATE: 08/07/2017

REVISED: ADD #1 11/1/2017
 REVISED:
 REVISED:
 REVISED:

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

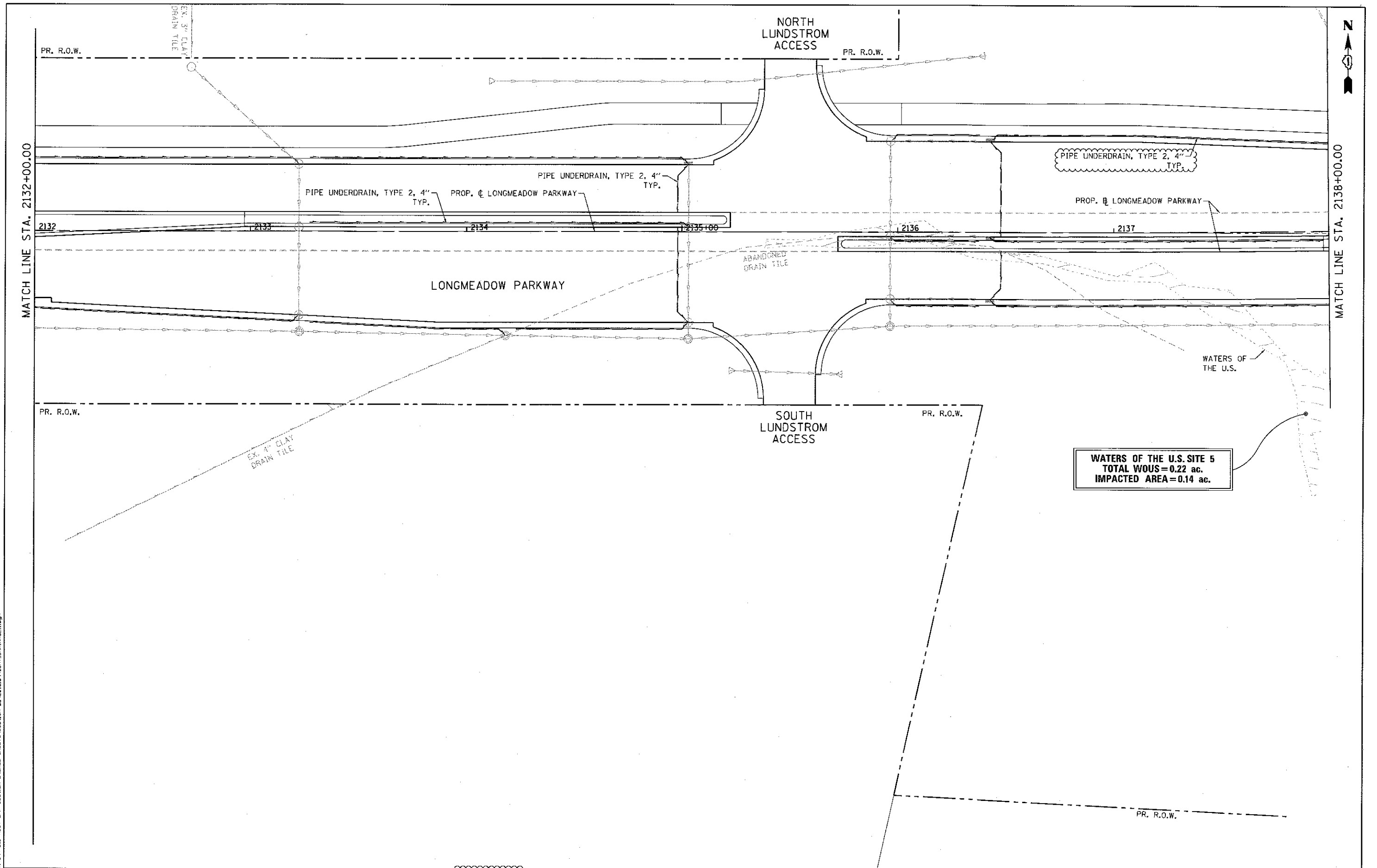
LONGMEADOW PARKWAY
DRAINAGE AND UTILITY
 SCALE: 1"=20'

SHEET 208 OF 611 SHEETS
 STA. 2126+00.00 TO STA. 2132+00.00

F.A.U. RTE. 2298
 SECTION 16-00215-11-PV
 COUNTY KANE
 TOTAL SHEETS 611
 SHEET NO. 208
 CONTRACT NO. 61E05

ILLINOIS FED. AID PROJECT

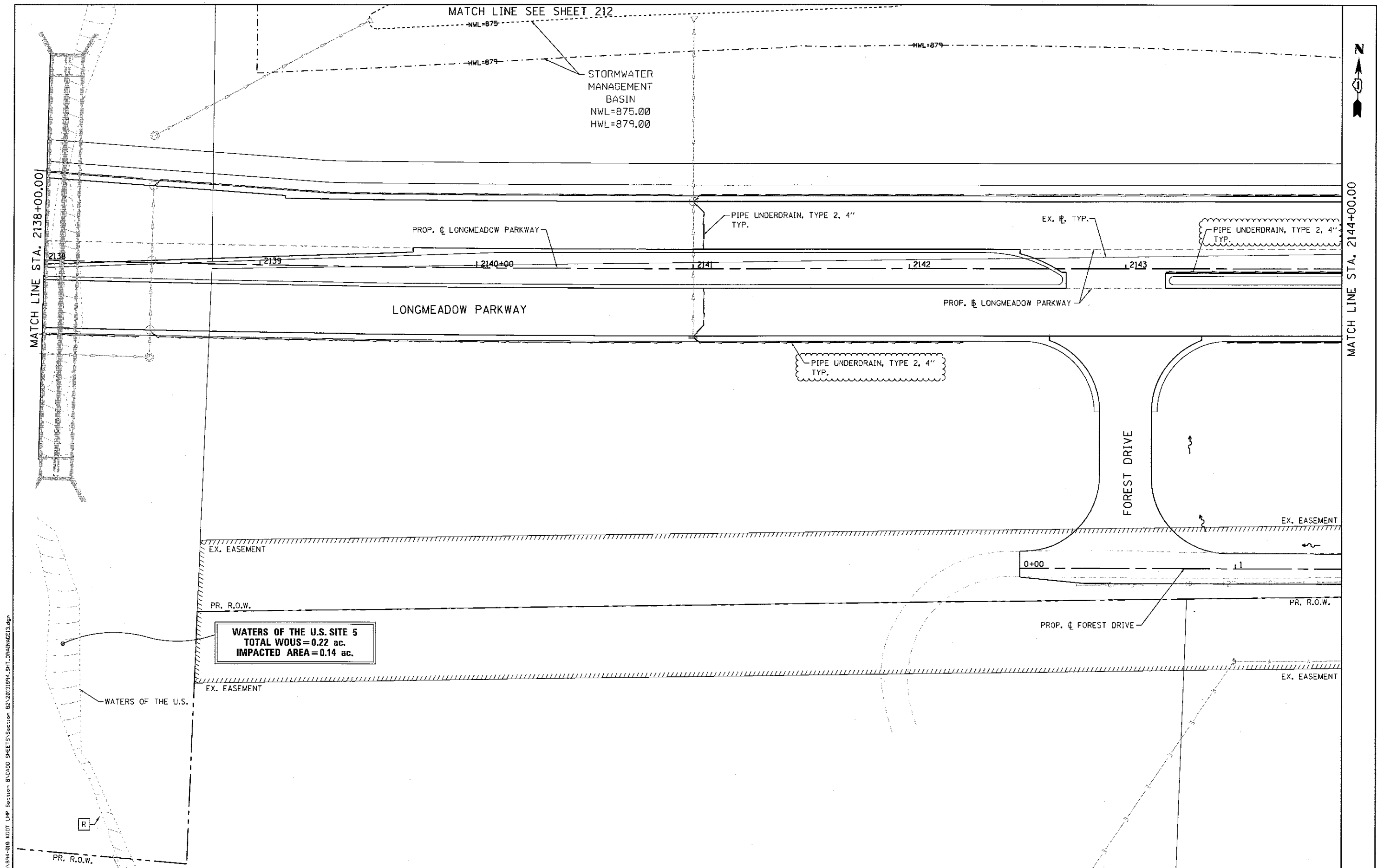
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WATERS OF THE U.S. SITE 5
TOTAL WOUS=0.22 ac.
IMPACTED AREA=0.14 ac.

 Bollinger, Lach & Associates, Inc. ITASCA, ILLINOIS	USER NAME = gellvanger	DESIGNED - GJE	REVISED - ADD #1 11/1/2017	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	LONGMEADOW PARKWAY DRAINAGE AND UTILITY	SCALE: 1"=20'	SHEET 209 OF 611 SHEETS	STA. 2132+00.00 TO STA. 2138+00.00	ILLINOIS FED. AID PROJECT
	PLOT SCALE = 40.0000' / 1" =	DRAWN - GJE	REVISED -						
	PLOT DATE = 10/31/2017	CHECKED - DBB	REVISED -						
		DATE - 08/07/2017	REVISED -						
		F.A.U. RTE. 2298	SECTION 16-00215-11-PV	COUNTY KANE	TOTAL SHEETS 611	SHEET NO. 209	CONTRACT NO. 61E05		

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FILE NAME = Bollinger, Lach & Associates, Inc. ITASCA, ILLINOIS	USER NAME = gellwanger	DESIGNED - GJE	REVISED - ADD *1 11/1/2017	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	LONGMEADOW PARKWAY DRAINAGE AND UTILITY	SCALE: 1"=20'	SHEET 211 OF 611 SHEETS	STA. 2138+00.00 TO STA. 2144+00.00	F.A.U. RTE. 2298	SECTION		COUNTY	TOTAL SHEETS	SHEET NO.					
	PLOT SCALE = 40,0000' / in.	DRAWN - GJE	REVISED -							16-00215-11-PV	KANE	611	211						
	PLOT DATE = 10/30/2017	CHECKED - DBB	REVISED -							CONTRACT NO. 61E05									
		DATE = 08/07/2017	REVISED -							ILLINOIS FED. AID PROJECT									

STORMWATER
MANAGEMENT
BASIN
NWL=875.00
HWL=879.00

BACKSLOPE DRAINS TYPE 1 4"
REFER TO EMBANKMENT DRAINAGE PLANS

PIPE UNDERDRAINS 12" (SPECIAL)
REFER TO EMBANKMENT DRAINAGE PLANS

RIPRAP, CL A3
7 SY

RIPRAP, CL A3
10 SY

PIPE UNDERDRAIN, TYPE 2, 4"
TYP.

PROP. B LONGMEADOW PARKWAY

PROP. C LONGMEADOW PARKWAY

LONGMEADOW PARKWAY

PIPE UNDERDRAIN, TYPE 2, 4"
TYP.

PIPE UNDERDRAINS 12" (SPECIAL)
REFER TO EMBANKMENT DRAINAGE PLANS

BACKSLOPE DRAINS TYPE 1 4"
REFER TO EMBANKMENT DRAINAGE PLANS

EX. EASEMENT

EX. EASEMENT

FOREST DRIVE

PROP. C FOREST DRIVE

RIPRAP, CL A3
7 SY

RIPRAP, CL A3
7 SY

RIPRAP, CL A3
7 SY

RIPRAP, CL A3
7 SY

EX. EASEMENT

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**Bollinger, Lach
& Associates, Inc.**
ITASCA, ILLINOIS

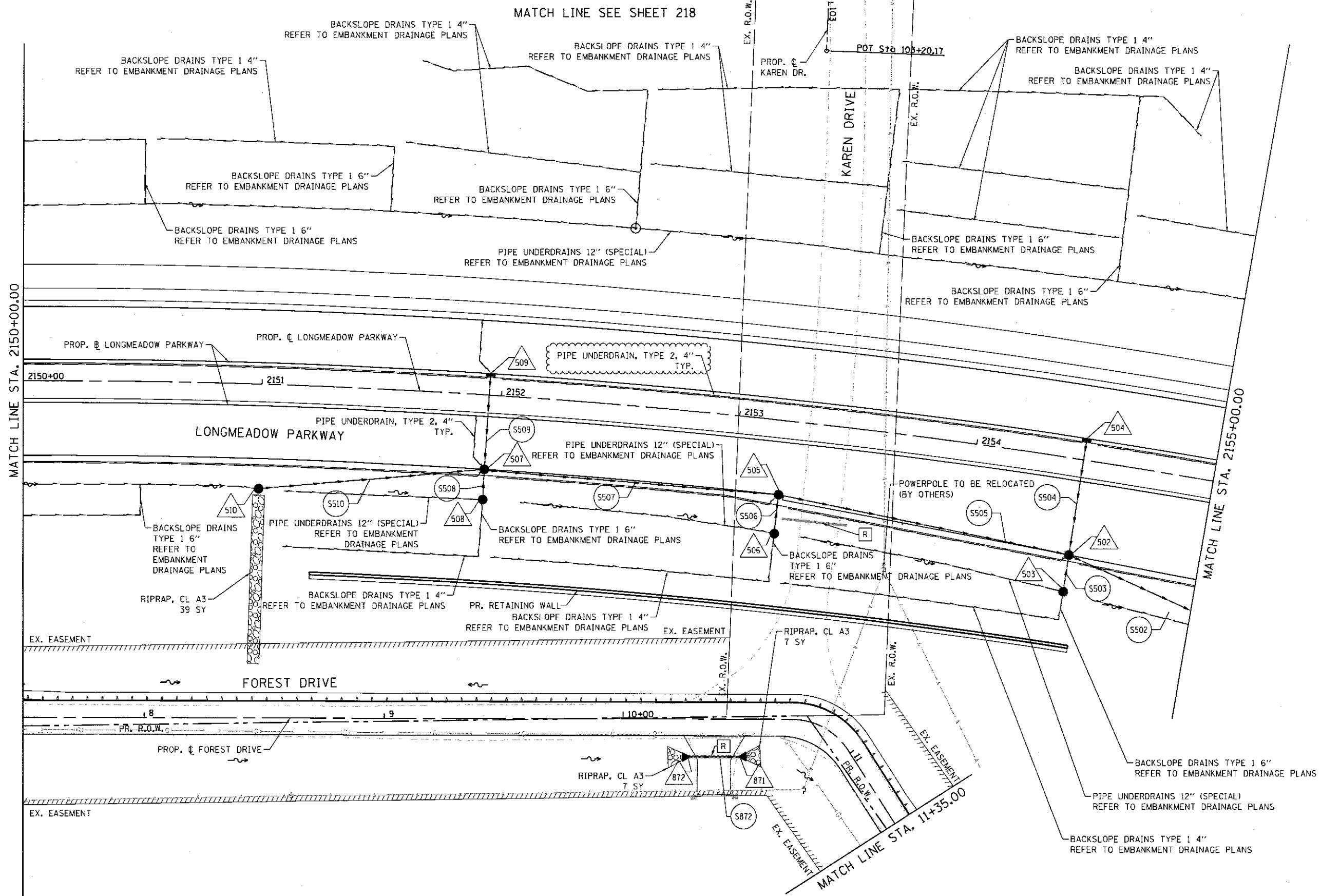
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PLOT SCALE = 40,0000' / in.	DRAWN - GJE	REVISED -
PLOT DATE = 10/30/2017	CHECKED - DBB	REVISED -
	DATE - 08/07/2017	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

LONGMEADOW PARKWAY
DRAINAGE AND UTILITY

SCALE: 1"=20' SHEET 214 OF 611 SHEETS STA. 2144+00.00 TO STA. 2150+00.00

F.A.U. RTE. 2298	SECTION 16-00215-11-PV	COUNTY KANE	TOTAL SHEETS 611	SHEET NO. 214
CONTRACT NO. 61E05				
ILLINOIS FED. AID PROJECT				



FILE NAME = W:\B94-018 KDOT LMP Section B\CAADD SHEETS\Section B2\201318\4 SHT.DRAINAGE\B.dgn



Bollinger, Lach & Associates, Inc.
ITASCA, ILLINOIS

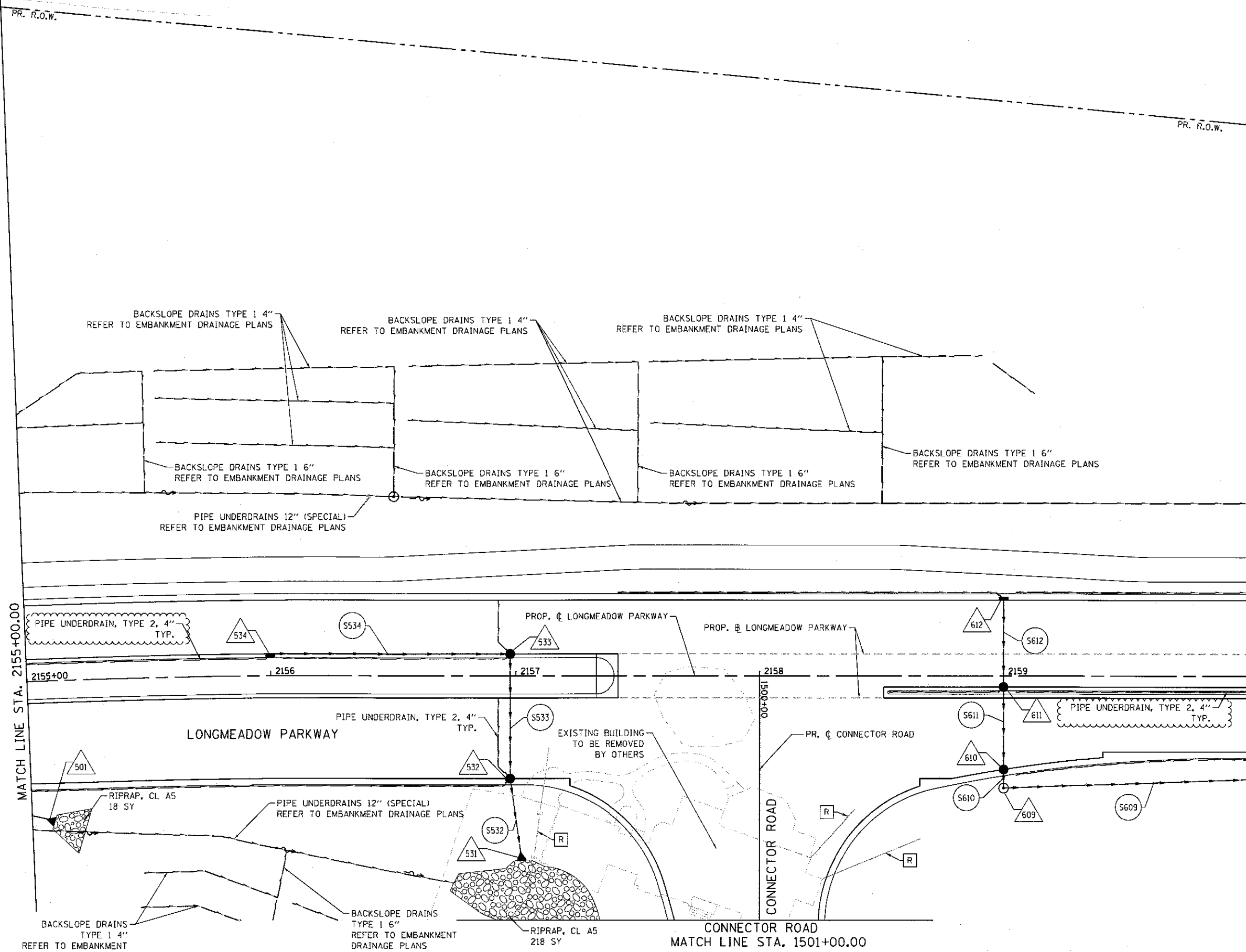
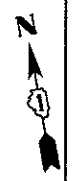
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PLOT SCALE = 40,0000' / 1" =	DRAWN - GJE	REVISED -
PLOT DATE = 10/30/2017	CHECKED - DBS	REVISED -
	DATE - 08/07/2017	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

LONGMEADOW PARKWAY
DRAINAGE AND UTILITY

SCALE: 1"=20' SHEET 216 OF 611 SHEETS STA. 2150+00.00 TO STA. 2155+00.00

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2298	16-00215-11-PV	KANE	611	216
CONTRACT NO. 61E05				
ILLINOIS FED. AID PROJECT				



FILE NAME = W:\B94-018 KDOT LRP Section B\CARD SHEETS\Section B\2013\B94-018_LRP_DRAINAGE21.dgn



Bollinger, Lach & Associates, Inc.
KANSAS, ILLINOIS

USER NAME = gellwanger	DESIGNED - GJE	REVISED - ADD #1 11/1/2017
PLOT SCALE = 40,000' / 1" = 1/4"	DRAWN - GJE	REVISED -
PLOT DATE = 10/30/2017	CHECKED - DBB	REVISED -
	DATE - 08/07/2017	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**LONGMEADOW PARKWAY
DRAINAGE AND UTILITY**

SCALE: 1"=20' SHEET 220 OF 611 SHEETS STA. 2155+00.00 TO STA. 2160+00.00

F.A.U. RTE. 2298	SECTION 16-00215-11-PV	COUNTY KANE	TOTAL SHEETS 611	SHEET NO. 220
CONTRACT NO. 61E05				
ILLINOIS FED. AID PROJECT				



WETLANDS &
WATERS OF THE U.S. SITE 8
TOTAL WETLANDS=1.52 ac.
TOTAL WOUS=0.66 ac.
IMPACTED WETLAND AREA=0.68 ac.
IMPACTED WOUS AREA=0.27 ac.

CUT EXISTING DRAIN TILE AT
PROPOSED DITCH; EXISTING
FLOW TO OUTLET INTO PROPOSED
RIPRAP. REFER TO GRADING PLAN
AND CROSS SECTIONS FOR DITCH
ELEVATION. INCLUDED IN COST FOR
EARTH EXCAVATION.

PIPE UNDERDRAINS 12" (SPECIAL)
REFER TO EMBANKMENT DRAINAGE PLANS

RIPRAP, CL A5
33 SY

RIPRAP, CL A5
153 SY
(SEE STRUCTURAL
PLANS FOR DETAIL)

S002
STATION 2164+00.48
TRIPLE PRECAST CONCRETE BOX CULVERT 6'X4'
3-211' OUT TO OUT HEADWALLS @ 0.10% SLOPE
3-160' OUT TO OUT PRECAST BOX CULVERT SECTIONS
ASTM C 1577, SKEW 25°, DESIGN FILL: 28.25' MIN, 29.00' MAX
CAST-IN PLACE END SECTIONS
AT HEADWALLS: U/S INV. ELEV: 798.20, D/S INV. ELEV: 798.00
(SEE STRUCTURAL PLANS FOR DETAILS AND QUANTITIES)

MATCH LINE STA. 2160+00.00

MATCH LINE STA. 2164+00.00

PIPE UNDERDRAIN, TYPE 2, 4" TYP.
PROP. B LONGMEADOW PARKWAY

PIPE UNDERDRAIN, TYPE 2, 4" TYP.

PROP. C LONGMEADOW PARKWAY

LONGMEADOW PARKWAY

STORMWATER
MANAGEMENT
BASIN
NWL=798.00
HWL=802.00

RIPRAP, CL A5
33 SY

RIPRAP, CL A3
10 SY

FILE NAME = W:\94-010 KDOT LMP Section B\1600 SHEETS\Section B2\20131894_SHT_DRAINAGE23.dgn



**Bollinger, Lach
& Associates, Inc.**
EASTASCA, ILLINOIS

USER NAME = gellwenger	DESIGNED - GJE	REVISED - ADD #1 11/1/2017
	DRAWN - GJE	REVISED -
PLOT SCALE = 40.0000' / in.	CHECKED - DBS	REVISED -
PLOT DATE = 10/30/2017	DATE = 08/07/2017	REVISED -

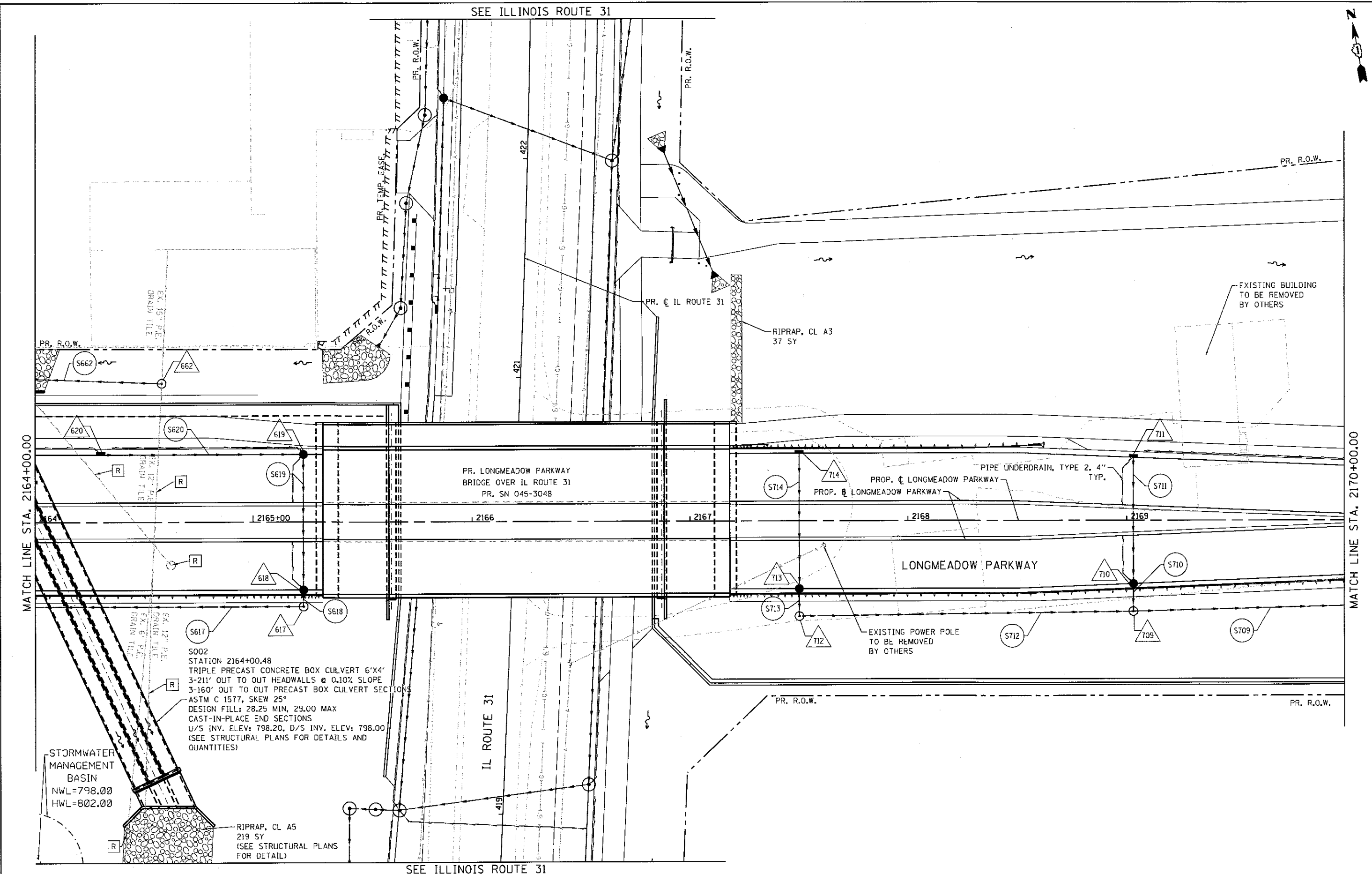
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

LONGMEADOW PARKWAY
DRAINAGE AND UTILITY

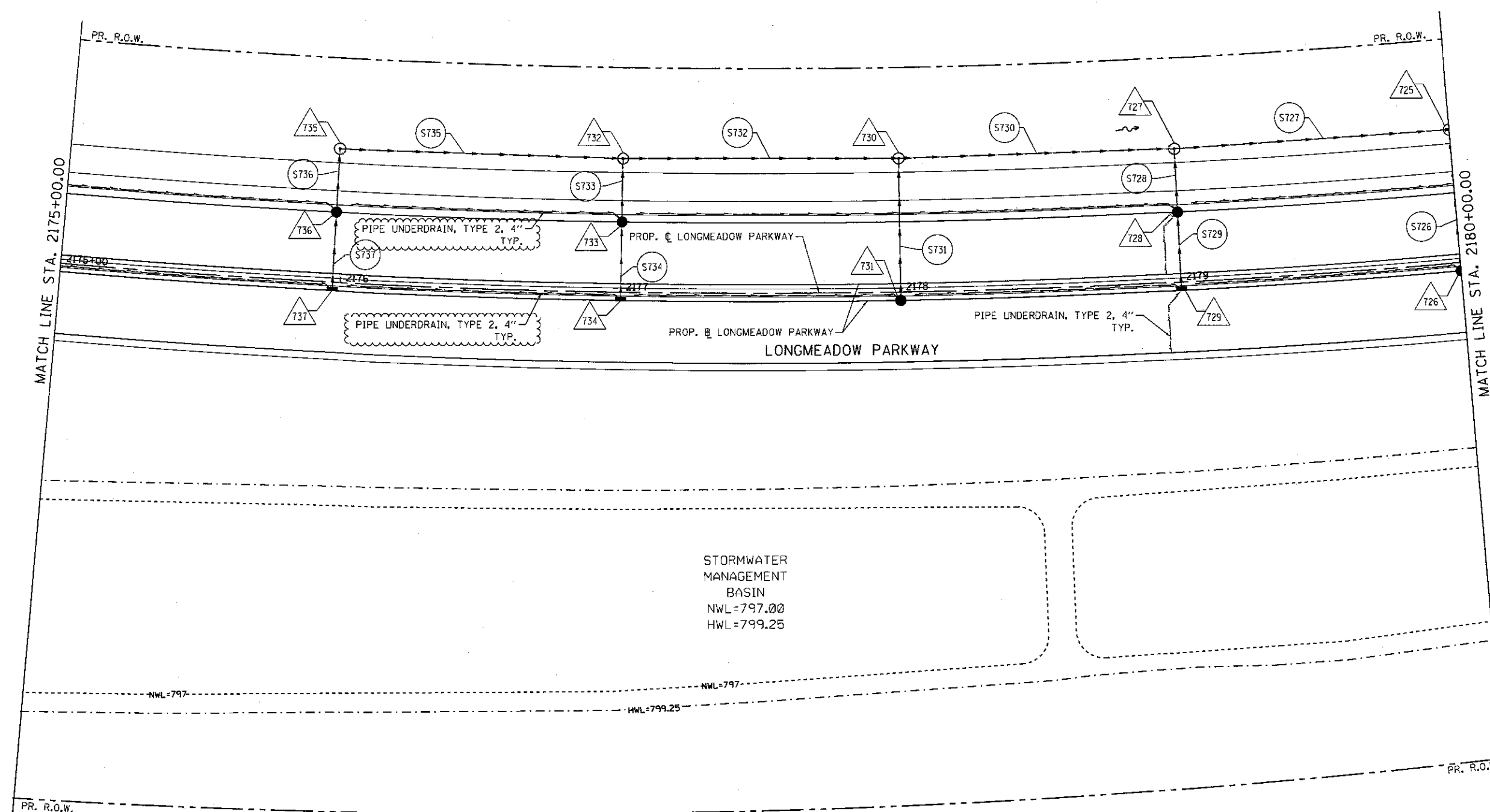
SCALE: 1"=20' SHEET 222 OF 611 SHEETS STA. 2160+00.00 TO STA. 2164+00.00

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2298	16-00215-11-PV	KANE	611	222
CONTRACT NO. 61E05				
ILLINOIS FED. AID PROJECT				

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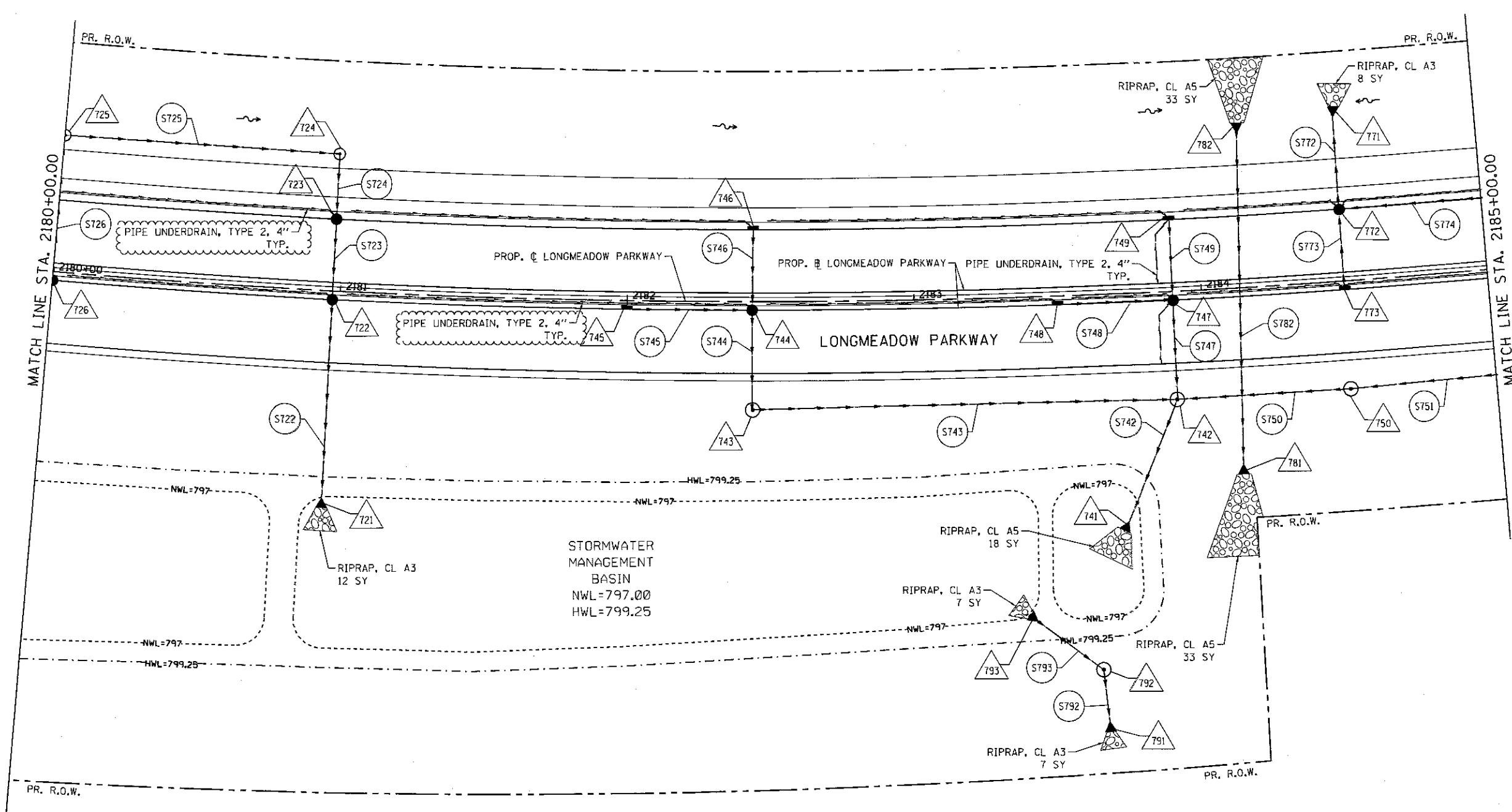


 Bollinger, Lach & Associates, Inc. PASCA, ILLINOIS	USER NAME = gellwenger	DESIGNED - GJE	REVISED - ADD #1 11/1/2017	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION				LONGMEADOW PARKWAY DRAINAGE AND UTILITY				F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
		DRAWN - GJE	REVISED -									2298	16-00215-11-PV	KANE	611	224
	PLOT SCALE = 40.0000' / 1"	CHECKED - DBB	REVISED -									CONTRACT NO. 61E05				
	PLOT DATE = 10/30/2017	DATE = 08/07/2017	REVISED -									ILLINOIS FED. AID PROJECT				
								SCALE: 1"=20'	SHEET 224 OF 611 SHEETS	STA. 2164+00.00 TO STA. 2170+00.00						



FILE NAME = W:\B94-018 KONT IMP Section B\CAD SHEETS\Section B2\20131894 SHT 08A\BAGE29.dgn

 Bollinger, Lach & Associates, Inc. PEASCA, ILLINOIS	USER NAME = gellwanger	DESIGNED - GJE	REVISED - ADD #1 11/1/2017	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	LONGMEADOW PARKWAY DRAINAGE AND UTILITY				F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	PLOT SCALE = 40.0000' / in.	CHECKED - DBS	REVISED -						2298	16-00215-11-PV	KANE	611	228
	PLOT DATE = 10/30/2017	DATE = 08/07/2017	REVISED -		CONTRACT NO. 61E05								
	SCALE: 1"=20' SHEET 228 OF 611 SHEETS STA. 2175+00.00 TO STA. 2180+00.00				ILLINOIS FED. AID PROJECT								



FILE NAME = W:\94-018 KDOT LMP Section B\CADD SHEETS\Section B2\201304\4_SHT_DRAINAGE1.dgn



**Bollinger, Lach
& Associates, Inc.**
TASCA, ILLINOIS

USER NAME = gellwanger	DESIGNED - GJE	REVISED - ADD #1 11/1/2017
PLOT SCALE = 48,0000' / in.	DRAWN - GJE	REVISED -
PLOT DATE = 10/30/2017	CHECKED - DBS	REVISED -
	DATE - 08/07/2017	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**LONGMEADOW PARKWAY
DRAINAGE AND UTILITY**

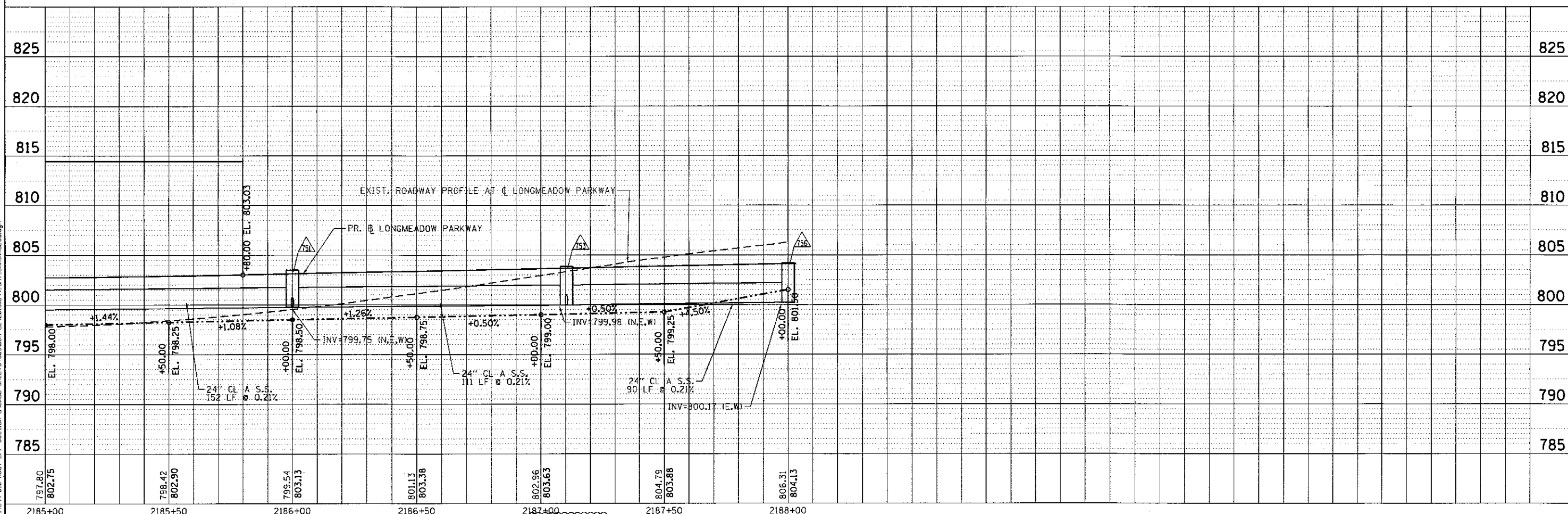
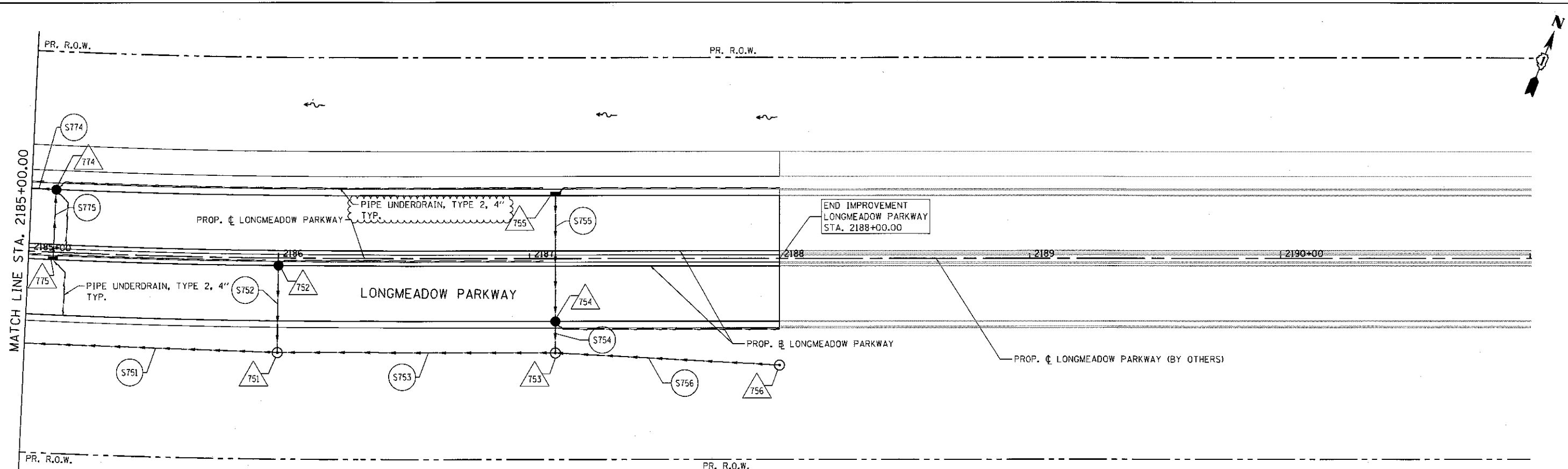
SCALE: 1"=20' SHEET 230 OF 611 SHEETS STA. 2180+00.00 TO STA. 2185+00.00

F.A.I.L. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2298	16-00215-11-PV	KANE	611	230
CONTRACT NO. 61E05				
ILLINOIS FED. AID PROJECT				

PLAN	DATE
BY	
DESIGNED	
CHECKED	
NOTE BOOK	
NO.	

PROFILE	DATE
BY	
DESIGNED	
CHECKED	
NOTE BOOK	
NO.	

FILE NAME = W:\94-018\K007 LMP Section B\CD00 SHEETS\Section B\20130894_SHT DRAINAGE33.dgn



Bollinger, Lach & Associates, Inc. ITASCA, ILLINOIS	USER NAME = gellwanger PLOT SCALE = 40.0000' / 1" = 40.0000' PLOT DATE = 10/30/2017	DESIGNED - GJE DRAWN - GJE CHECKED - DBB DATE - 08/07/2017	REVISED - ADD #1 11/1/2017 REVISED - REVISED - REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	LONGMEADOW PARKWAY DRAINAGE AND UTILITY	SCALE: 1"=20' SHEET 232 OF 611 SHEETS STA. 2185+00.00 TO STA. 2188+00.00	F.A.U. RTE. 2298 SECTION 16-00215-11-PV COUNTY KANE TOTAL SHEETS 611 SHEET NO. 232 CONTRACT NO. 61E05 ILLINOIS FED. AID PROJECT
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MATCH LINE STA. 1506+00.00

LONGMEADOW PARKWAY

PIPE UNDERDRAIN, TYPE 2, 4" TYP.

PIPE UNDERDRAIN, TYPE 2, 4" TYP.

PROP. LONGMEADOW PARKWAY

CONNECTOR ROAD

EXISTING BUILDING TO BE REMOVED BY OTHERS

PR. RETAINING WALL

WATERS OF THE U.S.

RIPRAP, CL A5
218 SY

WATERS OF THE U.S. SITE 6
TOTAL WOUS=0.13 ac.
IMPACTED AREA=0.13 ac.

FILE NAME: \\V994-018 K001 LMP Section B\CAUD SHEETS\Section B2\20131814 SHI.DrainAGE34.dgn

Bollinger, Lach & Associates, Inc.
ITASCA, ILLINOIS

USER NAME	= gellwanger
DESIGNED	- GJE
DRAWN	- GJE
CHECKED	- DBS
DATE	- 08/07/2017

REVISED	- ADD #1 11/1/2017
REVISED	-
REVISED	-
REVISED	-

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

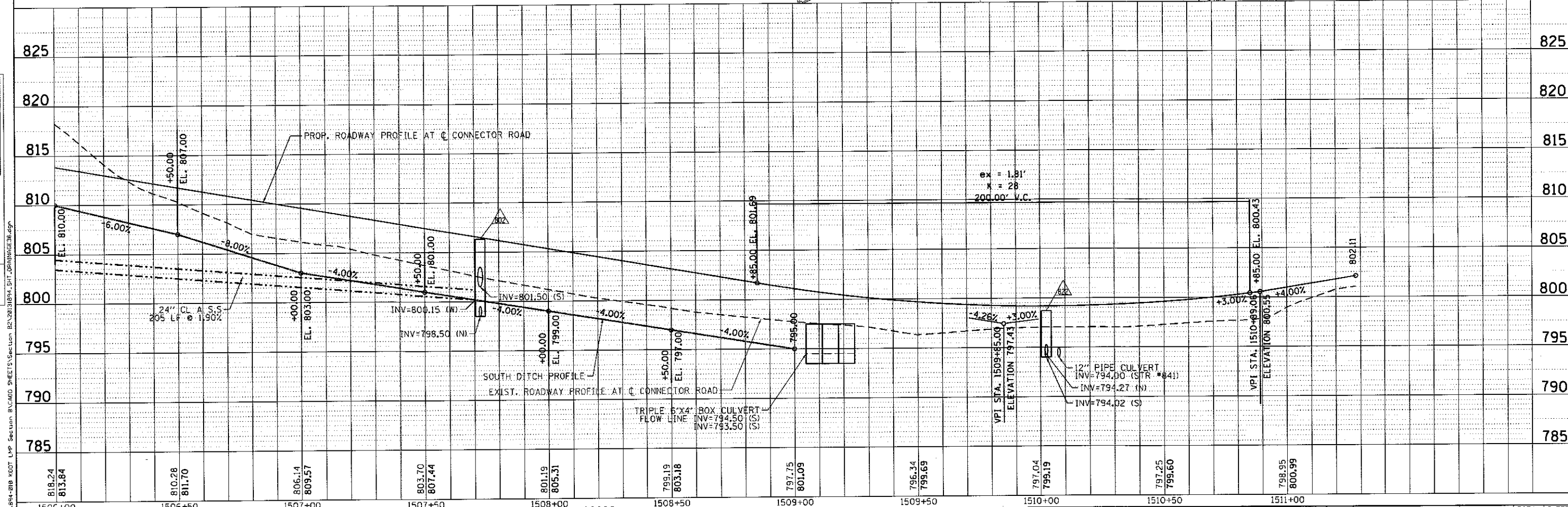
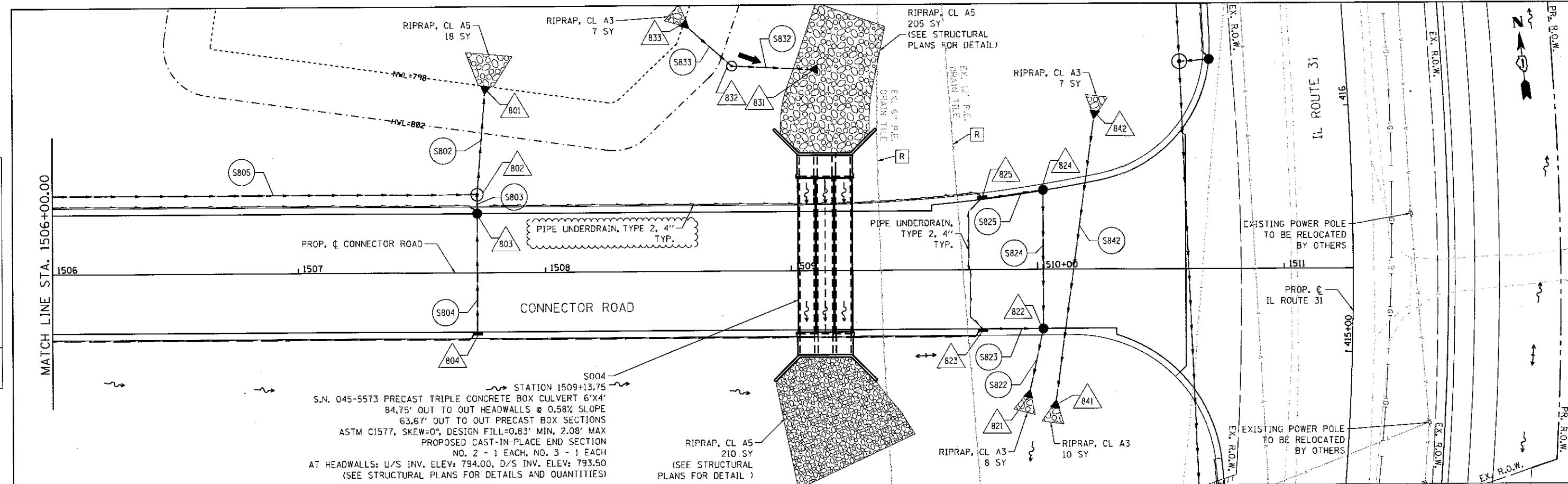
CONNECTOR ROAD
DRAINAGE AND UTILITY

SCALE: 1"=20' SHEET 233 OF 611 SHEETS STA. 1500+00.00 TO STA. 1506+00.00

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2298	16-00215-11-PV	KANE	611	233
CONTRACT NO. 61E05				
ILLINOIS FED. AID PROJECT				

PLAN	DATE
SURVEYED	BY
DESIGNED	BY
CHECKED	BY
NOTED	BY
STRUCTURE	NOTED
NO.	NO.

PROFILE	DATE
SURVEYED	BY
DESIGNED	BY
CHECKED	BY
NOTED	BY
STRUCTURE	NOTED
NO.	NO.

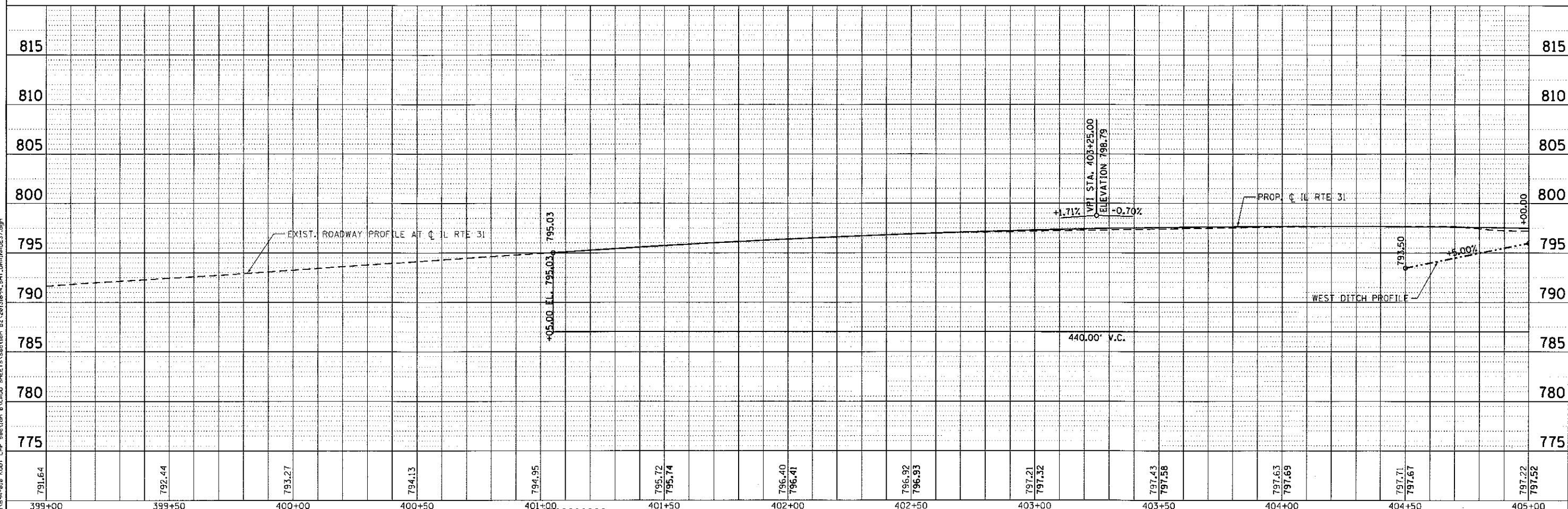
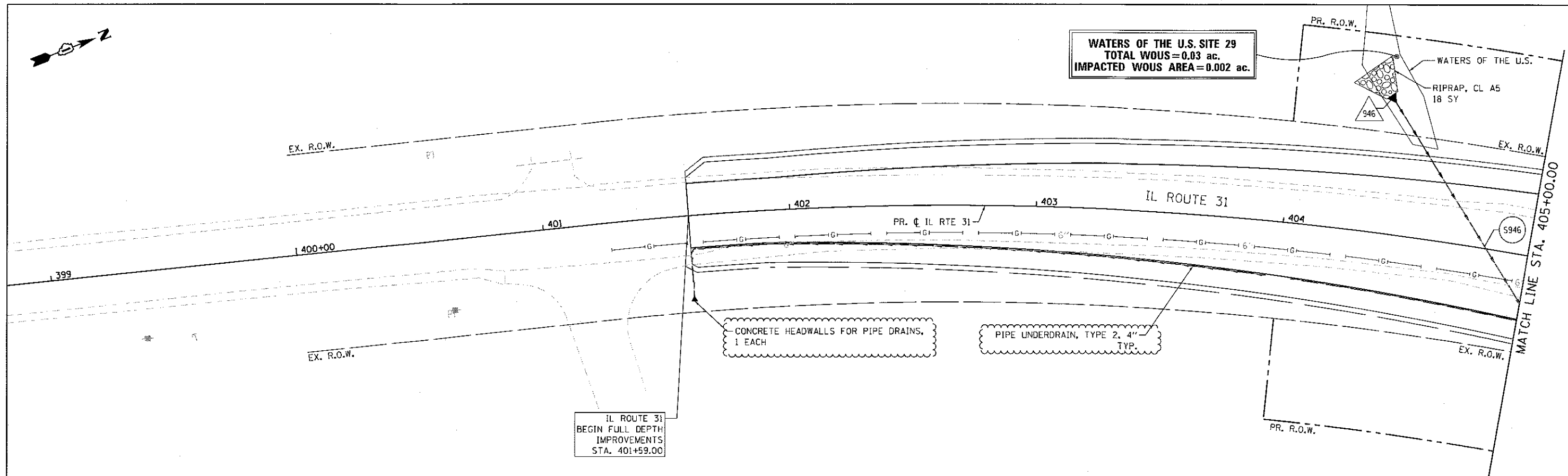


Bollinger, Lach & Associates, Inc. TASCAM, ILLINOIS		USER NAME = gellwanger PLOT SCALE = 40,000 / in. PLOT DATE = 10/30/2017	DESIGNED - GJE DRAWN - GJE CHECKED - DBB DATE - 08/07/2017	REVISED - ADD #1 11/1/2017 REVISED - REVISED - REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	CONNECTOR ROAD DRAINAGE AND UTILITY SCALE: 1"=20' SHEET 235 OF 611 SHEETS STA. 1506+00.00 TO STA. 1511+28.06	F.A.H. RTE. 2298 SECTION 16-00215-11-PV COUNTY KANE TOTAL SHEETS 611 SHEET NO. 235 CONTRACT NO. 61E05 ILLINOIS FED. AID PROJECT
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PLAN	DATE	BY
DESIGNED		
PLOTTED		
NOTED		
CHECKED		
NO.		

PROFILE	DATE	BY
DESIGNED		
PLOTTED		
NOTED		
CHECKED		
NO.		

FILE NAME = WABR-010 K007 LRP Section B-CADD SHEETS Section B2-2031874, SHT. 236 OF 611



399+00	399+50	400+00	400+50	401+00	401+50	402+00	402+50	403+00	403+50	404+00	404+50	405+00
791.64	792.44	793.27	794.13	794.95	795.72 795.74	796.40 796.41	796.92 796.93	797.21 797.32	797.43 797.58	797.63 797.69	797.71 797.67	797.22 797.52

Bollinger, Lach & Associates, Inc.
 ITASCA, ILLINOIS

USER NAME = gallwanger
 DESIGNED - GJE
 DRAWN - GJE
 CHECKED - DBB
 DATE - 08/07/2017

REVISED - ADD 11/1/2017
 REVISED -
 REVISED -
 REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

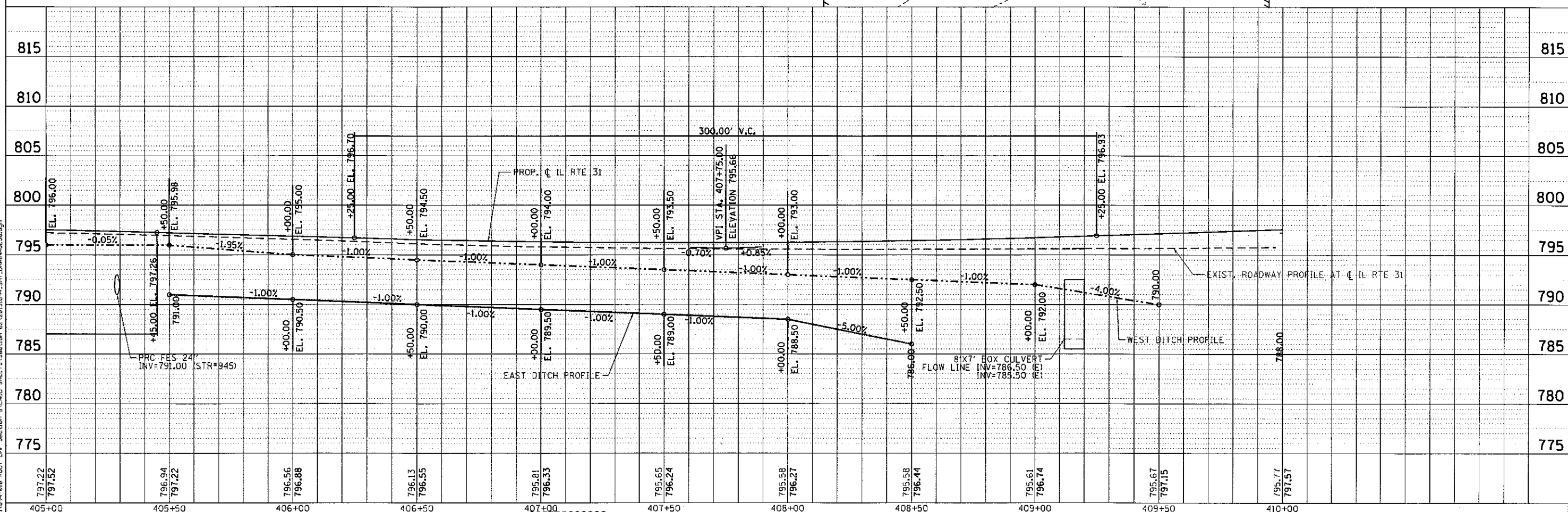
IL RTE 31
DRAINAGE AND UTILITY

SCALE: 1" = 20'
 SHEET 236 OF 611 SHEETS
 STA. 400+00.00 TO STA. 405+00.00

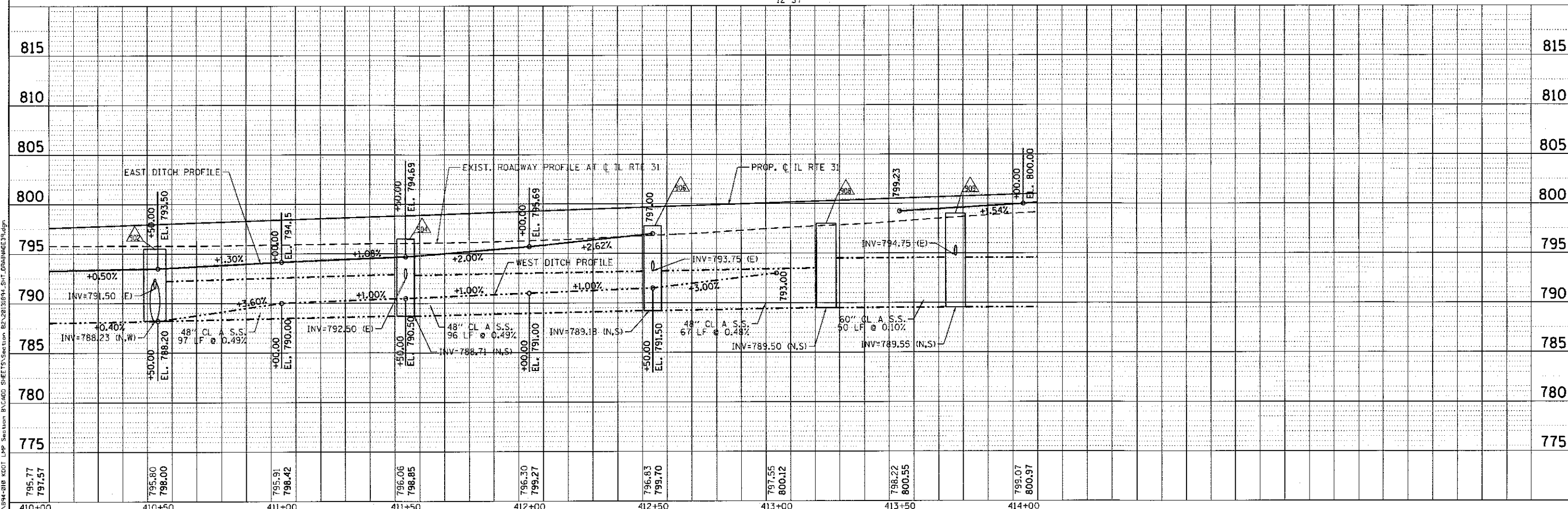
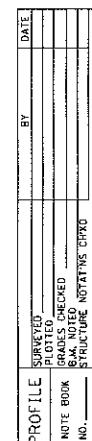
F.A.I.L. RTE. 2238	SECTION 16-00215-11-PV	COUNTY KANE	TOTAL SHEETS 611	SHEET NO. 236
CONTRACT NO. 61E05				

ILLINOIS FED. AID PROJECT

PROFILE NOTE BOOK NO.	SURVEYED	BY	DATE
	PLOTTED		
	GRADES CHECKED		
	B.M. NOTED		
	STRUCTURE NOTATIONS CTRD		



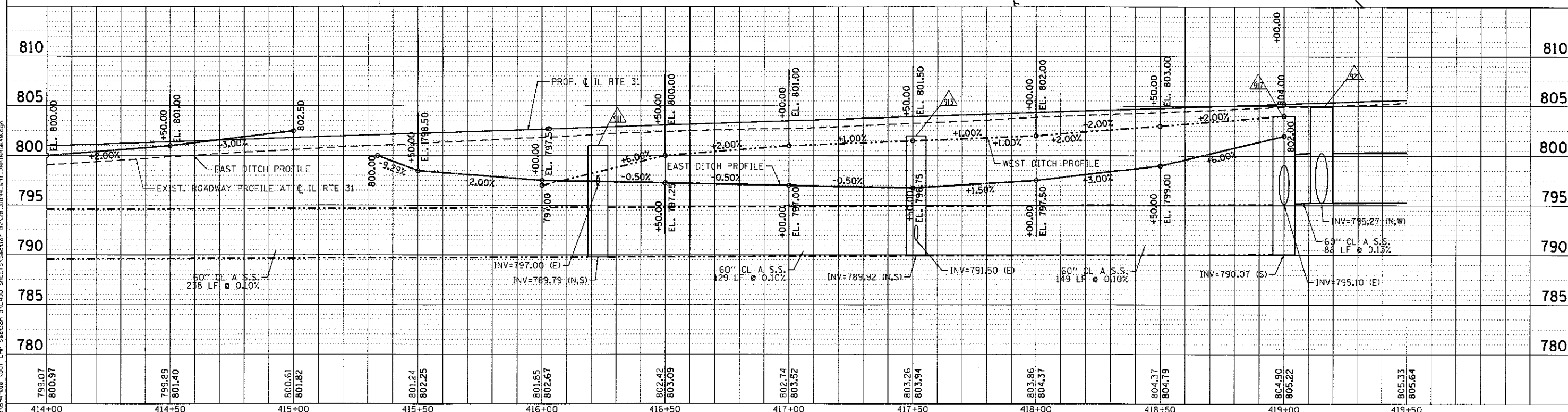
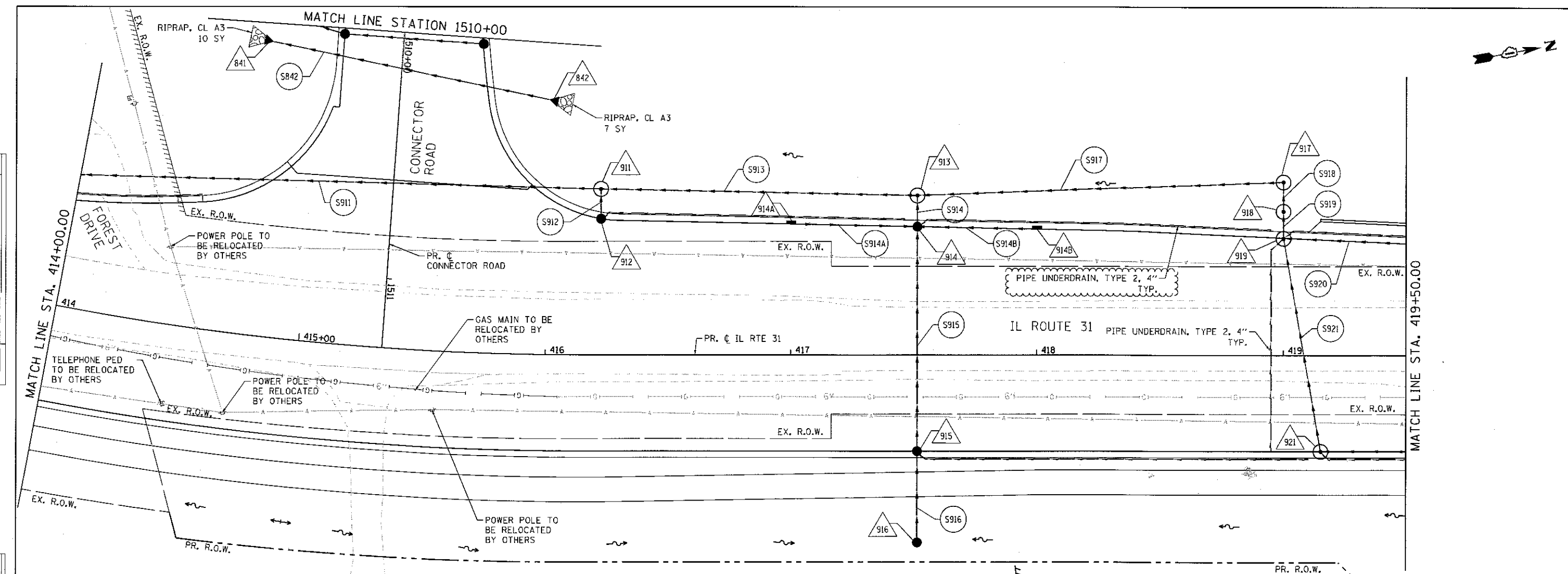
 Bollinger, Lach & Associates, Inc. PLASCA, ILLINOIS	USER NAME = gellwanger	DESIGNED - GJE	REVISED - ADD #1 11/1/2017	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	IL RTE 31 DRAINAGE AND UTILITY				F.A.U. SECTION COUNTY TOTAL SHEET RTE. NO. NO. NO. NO. NO.
	PLOT SCALE = 48,000' / in.	DRAWN - GJE	REVISED -		2298 16-00215-11-PV KANE 611 237				
	PLOT DATE = 10/30/2017	CHECKED - DBB	REVISED -		CONTRACT NO. 61E05				
	DATE = 08/07/2017	REVISED -		SCALE: 1" = 20' SHEET 237 OF 611 SHEETS STA. 405+00.00 TO STA. 410+00.00	ILLINOIS FED. AID PROJECT				



 Bollinger, Lach & Associates, Inc. ITASCA, ILLINOIS	USER NAME = gellwanger	DESIGNED - GJE	REVISED - ADD #1 11/1/2017	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	IL RTE 31 DRAINAGE AND UTILITY				F.A.U. RTE. SECTION COUNTY TOTAL SHEET NO. 2298 16-00215-11-PV KANE 611 238
	PLOT SCALE = 40.0000' / in.	CHECKED - DBB	REVISED -		SCALE: 1" = 20' SHEET 238 OF 611 SHEETS STA. 410+00.00 TO STA. 414+00.00				CONTRACT NO. 61E05
	PLOT DATE = 10/30/2017	DATE = 08/07/2017	REVISED -		ILLINOIS FED. AID PROJECT				

PLAN	DATE
BY	
REVIEWED	
NOTED	
NO.	

PROFILE	DATE
BY	
REVIEWED	
NOTED	
NO.	

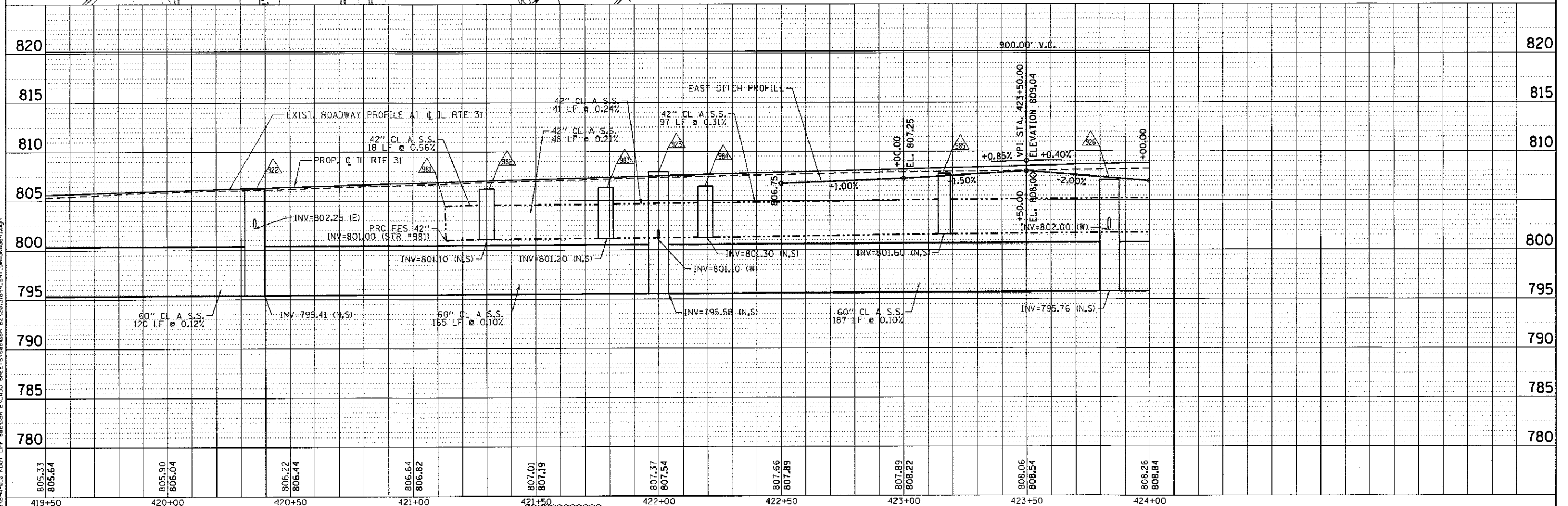
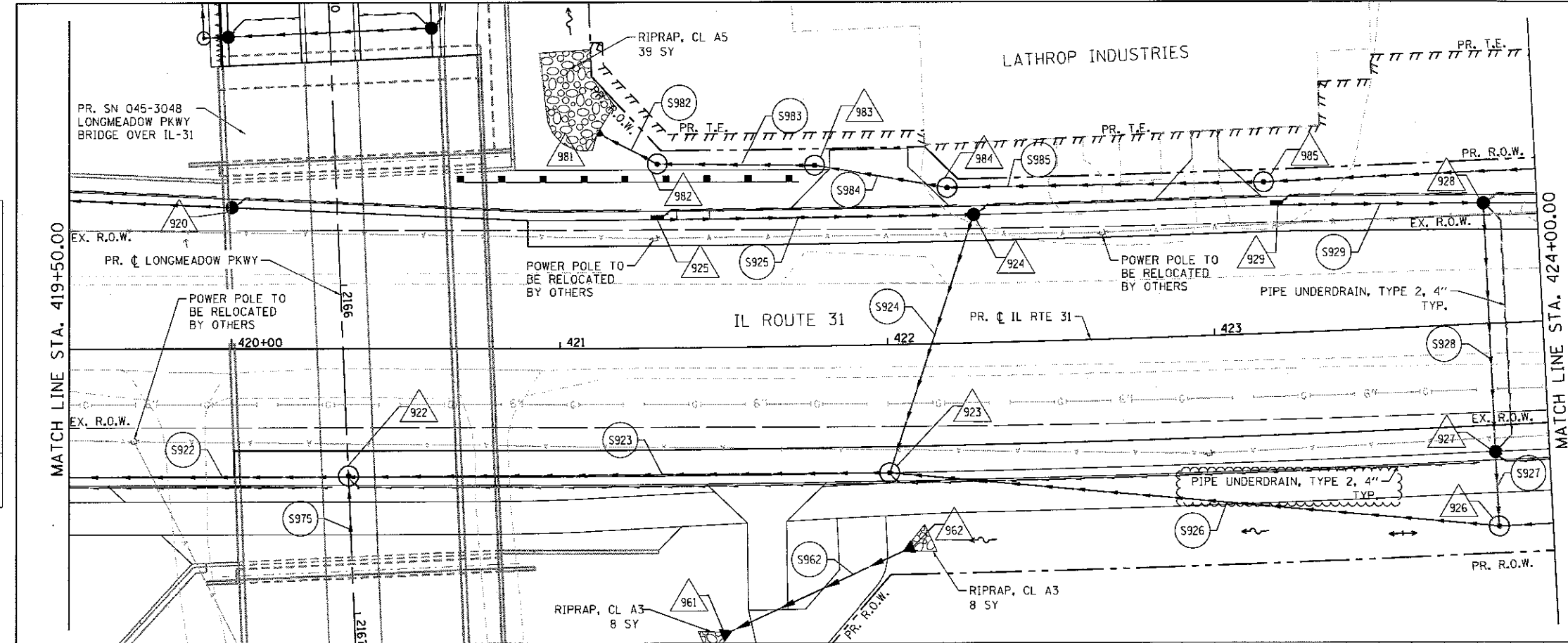


Bollinger, Lach & Associates, Inc. ITASCA, ILLINOIS	USER NAME: gellwanger	DESIGNED: GJE	REVISED: ADD #1 11/1/2017	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	IL RTE 31 DRAINAGE AND UTILITY	F.A.U. RTE. 2298 SECTION 16-00215-11-PV COUNTY KANE TOTAL SHEETS 611 SHEET NO. 239 CONTRACT NO. 61E05
	PLOT SCALE: 40.0000' / 1" = 40.0000'	DRAWN: GJE	REVISED:			
	PLOT DATE: 10/30/2017	CHECKED: DBS	REVISED:			
	DATE: 08/07/2017	REVISED:				

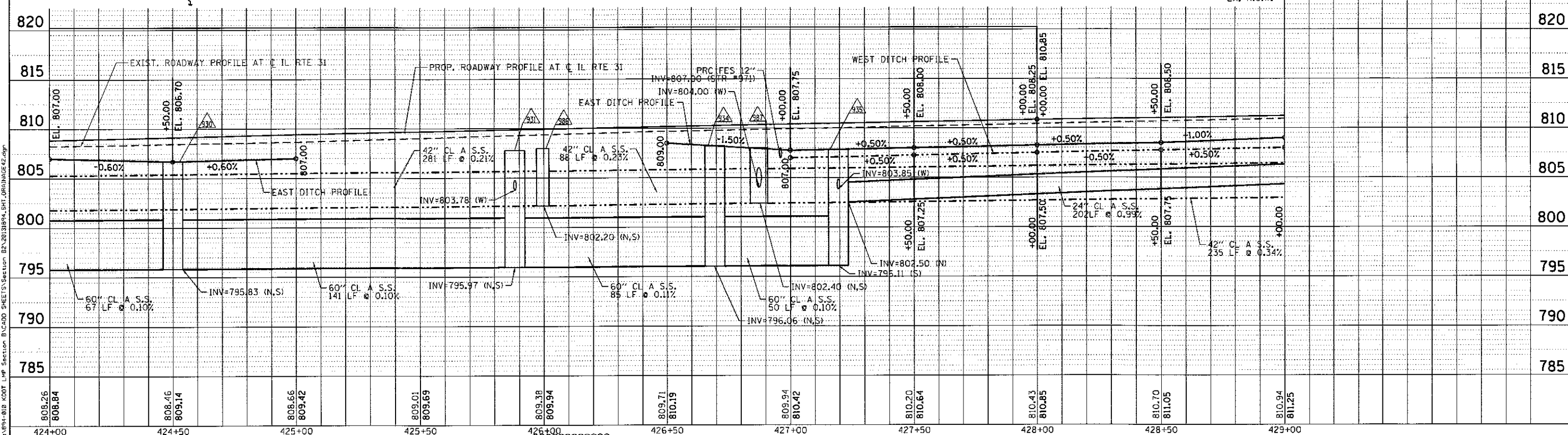
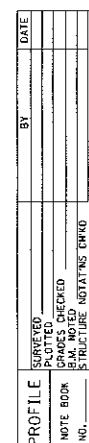
FILE NAME: \\VAP04-010\K001\LP Section B-CADD SHEETS\Section B-CADD\11054_SHT DRAINAGE.dwg

PLAN	SUBMITTED	DATE
NO.	NOTED	
NO.	NOTED	
NO.	NOTED	

PROFILE	SUBMITTED	DATE
NO.	NOTED	
NO.	NOTED	
NO.	NOTED	



Bollinger, Lach & Associates, Inc. ITASCA, ILLINOIS	USER NAME: gellwanger	DESIGNED: GJE	REVISED: ADD #1 11/1/2017	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	IL RTE 31 DRAINAGE AND UTILITY	SCALE: 1" = 20'	SHEET 240 OF 611 SHEETS	STA. 419+50.00 TO STA. 424+00.00	F.A.U. RTE. 229B	SECTION 16-00215-11-PV	COUNTY KANE	TOTAL SHEETS 611	SHEET NO. 240	CONTRACT NO. 61E05	ILLINOIS FED. AID PROJECT
	PLAT SCALE: 48,000' / 1"	CHECKED: DBS	REVISED:												
	PLAT DATE: 10/31/2017	DATE: 08/07/2017	REVISED:												



**WETLANDS &
WATERS OF THE U.S. SITE 8**
TOTAL WETLANDS=1.52 ac.
TOTAL WOUS=0.66 ac.
IMPACTED WETLAND AREA=0.68 ac.
IMPACTED WOUS AREA=0.27 ac.

**Bollinger, Lach
& Associates, Inc**
ITASCA, ILLINOIS

USER NAME =	gellwanger
PLOT SCALE =	40.0000 ' /
PLOT DATE =	10/30/2017

DESIGNED -	GJE
DRAWN -	GJE
CHECKED -	DBB
DATE -	08/07/2017

REVISED	-	ADD #1 11/1/2017
REVISED	-	
REVISED	-	
REVISED	-	

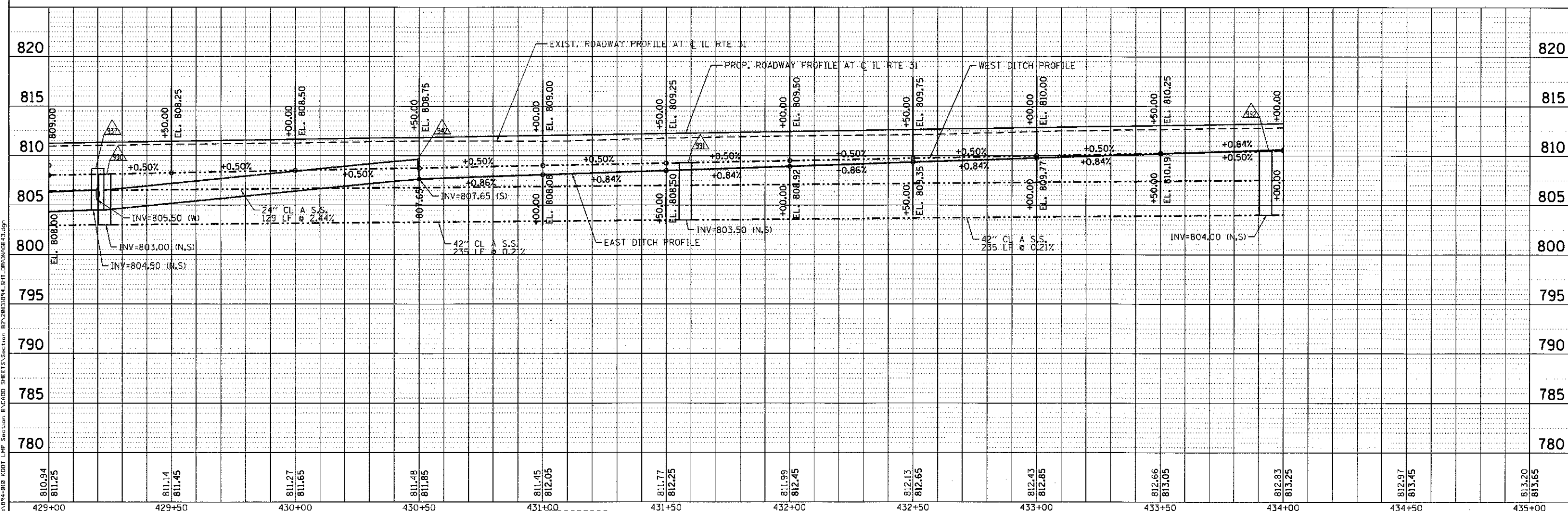
**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

IL RTE 31
DRAINAGE AND UTILITY

SCALE: 1" = 20'	SHEET 241 OF 611 SHEETS	STA. 424+00.00 TO STA. 429+00.00
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F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2298	16-00215-11-PV	KANE	611	241
		CONTRACT NO. 61E05		
ILLINOIS		FED. AID PROJECT		

NO. _____	DATE _____
BY _____	DATE _____
SURVEYED _____ PLOTTED _____ GRADES CHECKED _____ NOTE BOOK _____ B.M. NOTED _____ STRUCTURE _____ AND, _____ NOTATIONS CHECKED _____	

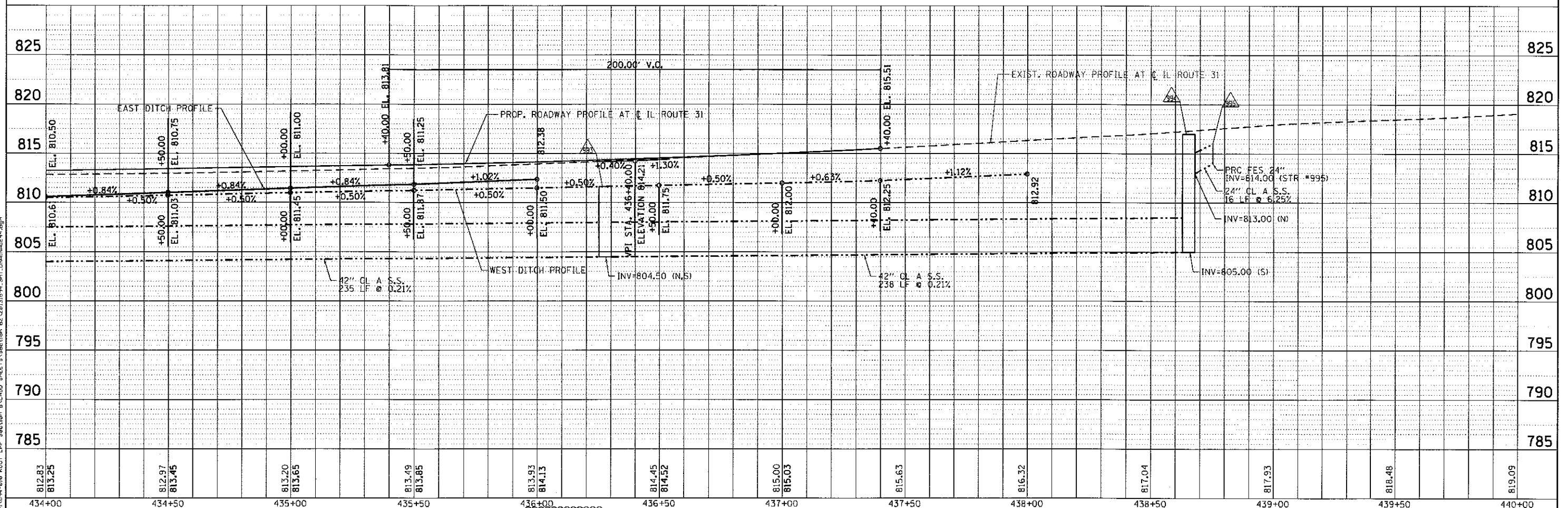
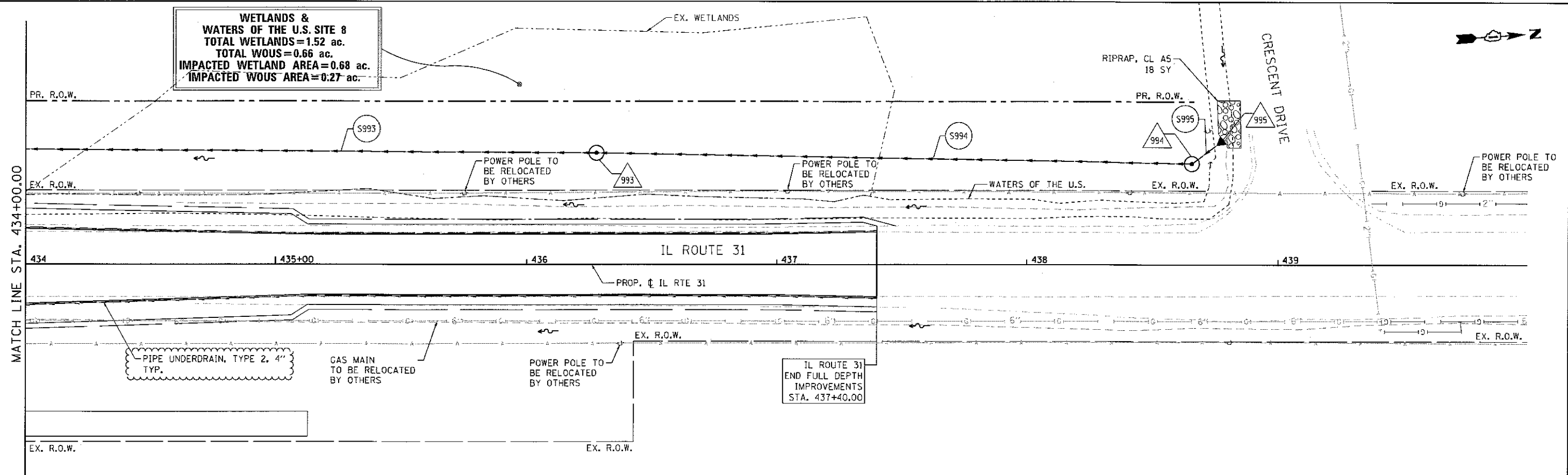


 Bollinger, Lach & Associates, Inc. ITASCA, ILLINOIS	USER NAME = gellwanger	DESIGNED - GJE	REVISED - ADD # 11/1/2017	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	IL RTE 31 DRAINAGE AND UTILITY				F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	PLOT SCALE = 40.0000' / in.	DRAWN - GJE	REVISED -		2298	16-00215-11-PV	KANE	611	242				
	PLOT DATE = 10/30/2017	CHECKED - DSB	REVISED -		SCALE: 1" = 20' SHEET 242 OF 611 SHEETS STA. 429+00.00 TO STA. 434+00.00					CONTRACT NO. 61E05			
		DATE = 08/07/2017	REVISED -	ILLINOIS FED. AID PROJECT									

PLAN	SURVEYED	BY	DATE
NOTE BOOK	PLOTTED		
NO.	ALIGNED		
	CHECKED		
	FILE NAME		

PROFILE	SURVEYED	BY	DATE
NOTE BOOK	PLOTTED		
NO.	ALIGNED		
	CHECKED		
	FILE NAME		

FILE NAME = WAB94-018 KDOT LRP Section B-CADD SHEETS Section B2-20131994 SH-1 DRAINAGE 44-490



812.83 813.25	812.97 813.45	813.20 813.65	813.49 813.85	813.93 814.13	814.45 814.52	815.00 815.03	815.63	816.32	817.04	817.93	818.48	819.09
434+00	434+50	435+00	435+50	436+00	436+50	437+00	437+50	438+00	438+50	439+00	439+50	440+00

Bollinger, Lach & Associates, Inc.
 ITASCA, ILLINOIS

USER NAME = gellwanger
 DESIGNED - GJE
 DRAWN - GJE
 CHECKED - DBB
 DATE - 08/07/2017

REVISED - ADD #1 11/1/2017
 REVISED -
 REVISED -
 REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

IL RTE 31
DRAINAGE AND UTILITY

SCALE: 1" = 20' SHEET 243 OF 611 SHEETS STA. 434+00.00 TO STA. 439+00.00

F.A.U. RTE. 2298	SECTION 16-00215-11-PV	COUNTY KANE	TOTAL SHEETS 611	SHEET NO. 243
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CONTRACT NO. 61E05

ILLINOIS FED. AID PROJECT

FILE NAME = \\AUP4-010 K007 LMP Section BAC000 SHEET15 Section B2\20130894 SHI.PWK.02.dgn



Bollinger, Lach & Associates, Inc.
ITASCA, ILLINOIS

USER NAME = gellwanger
PLOT SCALE = 100.0000' / 1" = 100'
PLOT DATE = 10/30/2017

DESIGNED - GJE
DRAWN - GJE
CHECKED - DBB
DATE - 08/07/2017

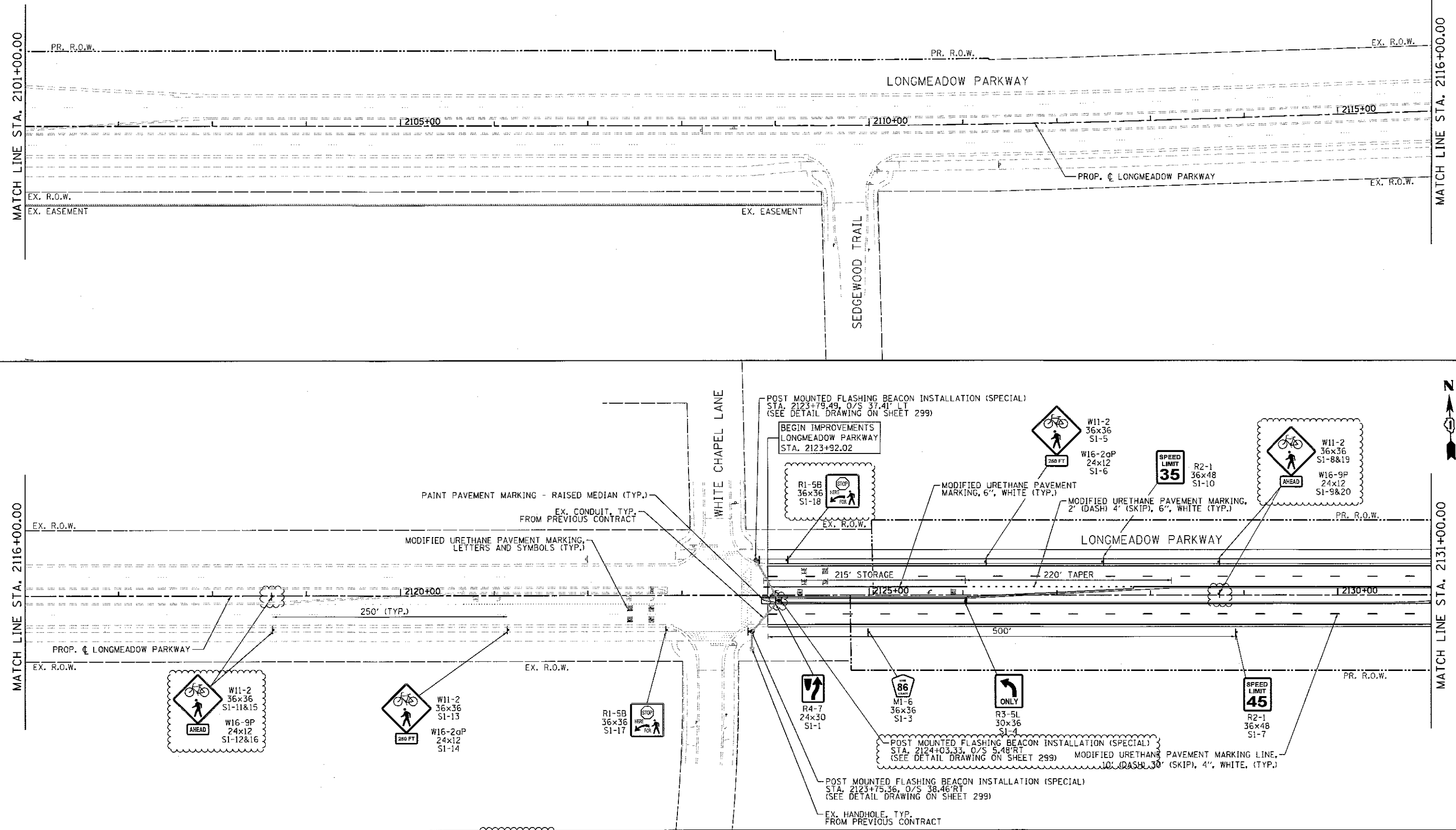
REVISED - ADD #1 11/1/2017
REVISED -
REVISED -
REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**LONGMEADOW PARKWAY
PAVEMENT MARKING AND SIGNING PLAN**

SCALE: 1"=50' SHEET 292 OF 611 SHEETS STA. 2101+00.00 TO STA. 2131+00.00

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2298	16-00215-11-PV	KANE	611	292
CONTRACT NO. 61E05				
ILLINOIS FED. AID PROJECT				



FILE NAME = M:\994-010-001 LWP Section B\CADD Sheets\Section B2\20131694_SHT_PWK_SIGN_SCHEDULES.dgn

SIGN NUMBER	MUTCD CODE	PANEL DESCRIPTION	SIGN SUPPORT	ACTION	EXISTING WIDTH (IN)	EXISTING HEIGHT (IN)	REMOVE SIGN PANEL TYPE A	PROPOSED STATION	PROPOSED OFFSET	PROPOSED WIDTH (IN)	PROPOSED HEIGHT (IN)	SIGN PANEL (50 FT)			TELESCOPING SIGN SUPPORT (FT)	BREAKWAY STEEL (FT)	BREAKWAY STEEL (LBS)	CONCRETE FOUNDATIONS (CU YD)
												TYPE 1	TYPE 2	EXTRUDED				
		POST MOUNTED FLASHING BEACON INSTALLATION (SPECIAL)		PROPOSED SIGN				2123+75.36	38.46 RT									
		POST MOUNTED FLASHING BEACON INSTALLATION (SPECIAL)		PROPOSED SIGN				2123+79.49	37.41 LT									
		POST MOUNTED FLASHING BEACON INSTALLATION (SPECIAL)		PROPOSED SIGN				2124+03.33	6.48 RT									
S1-1	R4-7	KEEP RIGHT	POST MOUNTED (GROUND)	PROPOSED SIGN				2124+03.32	5.55 RT	24	30	5.00			17.5			
S1-2	R3-5L	MANDITORY MOVEMENT	POST MOUNTED (GROUND)	PROPOSED SIGN						30	36	7.50						
S1-3	M1-6	COUNTY ROUTE	POST MOUNTED (GROUND)	PROPOSED SIGN				2125+00.00	39.58 RT	36	36	9.00			15.0			
S1-4	R3-5L	MANDITORY MOVEMENT	POST MOUNTED (GROUND)	PROPOSED SIGN				2126+02.61	5.50 RT	30	36	7.50			15.0			
S1-5	W11-2	PED/BICYCLE CROSSING	POST MOUNTED (GROUND)	PROPOSED SIGN						36	36	9.00						
S1-6	W16-2cP	250 FT	POST MOUNTED (GROUND)	PROPOSED SIGN				2126+23.73	35.52 LT	24	12	2.00			16.0			
S1-7	R2-1	SPEED LIMIT 45	POST MOUNTED (GROUND)	PROPOSED SIGN				2128+92.02	39.58 RT	36	48		12.00		16.0			
S1-8	W11-2	PED/BICYCLE CROSSING	POST MOUNTED (GROUND)	PROPOSED SIGN				2128+73.73	35.52 LT	36	36	9.00			15.0			
S1-9	W16-9P	AHEAD	POST MOUNTED (GROUND)	PROPOSED SIGN						24	12	2.00						
S1-10	R2-1	SPEED LIMIT 35	POST MOUNTED (GROUND)	PROPOSED SIGN				2126+24.89	35.52 LT	36	48		12.00		16.0			
S1-11	W11-2	PED/BICYCLE CROSSING	POST MOUNTED (GROUND)	PROPOSED SIGN						36	36	9.00						
S1-12	W6-9P	AHEAD	POST MOUNTED (GROUND)	PROPOSED SIGN				2118+65.05	36.17 RT	24	12	2.00			17.5			
S1-13	W11-2	PED/BICYCLE CROSSING	POST MOUNTED (GROUND)	PROPOSED SIGN						36	36	9.00						
S1-14	W16-2cP	250 FT	POST MOUNTED (GROUND)	PROPOSED SIGN				2121+14.88	36.35 RT	24	12	2.00			17.5			
S1-15	W11-2	PED/BICYCLE CROSSING	POST MOUNTED (GROUND)	PROPOSED SIGN						36	36	9.00						
S1-16	W6-9P	AHEAD	POST MOUNTED (GROUND)	PROPOSED SIGN				2118+63.99	0.58 RT	24	12	2.00			17.5			
S1-17	R1-5B	STOP FOR PEDS	POST MOUNTED (GROUND)	PROPOSED SIGN				2122+84.03	36.69 RT	36	36	9.00			16.0			
S1-18	R1-5B	STOP FOR PEDS	POST MOUNTED (GROUND)	PROPOSED SIGN				2124+12.23	37.50 LT	36	36	9.00			16.0			
S1-19	W11-2	PED/BICYCLE CROSSING	POST MOUNTED (GROUND)	PROPOSED SIGN				2128+73.732.71	1.42 LT	36	36	9.00			15.0			
S1-20	W16-9P	AHEAD	POST MOUNTED (GROUND)	PROPOSED SIGN						24	12	2.00						
S2-1	W2-1	INTERSECTION WARNING	POST MOUNTED (GROUND)	PROPOSED SIGN						36	36	9.00						
S2-2	W16-8P	WHITE CHAPEL LANE	POST MOUNTED (GROUND)	PROPOSED SIGN				2132+00.00	37.58 LT	54	8	3.00			15.7			
S2-3	R4-7	KEEP RIGHT	POST MOUNTED (GROUND)	PROPOSED SIGN				2135+17.62	5.62 LT	24	30	5.00			14.5			
S2-4	R4-7	KEEP RIGHT	POST MOUNTED (GROUND)	PROPOSED SIGN				2135+77.39	5.73 RT	24	30	5.00			14.5			
S2-5	W2-2R	INTERSECTION WARNING	POST MOUNTED (GROUND)	PROPOSED SIGN						36	36	9.00						
S2-6	W16-8P	FOREST DRIVE	POST MOUNTED (GROUND)	PROPOSED SIGN				2138+59.96	39.58 RT	42	8	2.33			15.7			
S2-7	W7-5	STEEP SLOPE (BIKE PATH)	POST MOUNTED (GROUND)	PROPOSED SIGN				2140+89.95	52.58 LT	18	18	2.25			13.5			
S2-8	R4-7	KEEP RIGHT	POST MOUNTED (GROUND)	PROPOSED SIGN				2142+66.85	5.10 RT	24	30	5.00			14.5			
S2-9	R4-7	KEEP RIGHT	POST MOUNTED (GROUND)	PROPOSED SIGN						30	36	7.50						
S2-10	R3-5L	MANDITORY MOVEMENT	POST MOUNTED (GROUND)	PROPOSED SIGN				2143+23.19	5.66 RT	30	36	7.50			18.0			
S2-11	R3-4	NO U-TURN	POST MOUNTED (GROUND)	PROPOSED SIGN				2142+66.85	5.10 RT	30	30	6.25			SEE SIGN S2-8			
S2-12	R1-1	STOP	POST MOUNTED (GROUND)	PROPOSED SIGN						36	36	9.00						
S2-13	W4-4P	CROSS TRAFFIC DOES NOT STOP	POST MOUNTED (GROUND)	PROPOSED SIGN				2143+38.46	41.00 RT	24	12	2.00			16.8			
S2-14	D1-1C	FOREST DRIVE	POST MOUNTED (GROUND)	PROPOSED SIGN						36	9	2.25						
S2-15	D1-1C	LONGMEADOW PKWY	POST MOUNTED (GROUND)	PROPOSED SIGN						36	9	2.25						
S2-16	W3-3	TRAFFIC SIGNAL AHEAD	POST MOUNTED (GROUND)	PROPOSED SIGN				2144+50.00	38.58 RT	36	36	9.00			15.0			
S2-17	R3-5L	MANDITORY MOVEMENT	POST MOUNTED (GROUND)	PROPOSED SIGN				2145+37.04	5.50 RT	30	36	7.50			15.0			
S2-18	D3-2	JUNCTION IL 31	TWO WAY BREAKAWAY STEEL SIGN SUPPORTS (GROUND)	PROPOSED SIGN				2146+00.00	39.42 RT	72	48		24.00		28 (2)	420	1	
S2-19	R3-18	NO U-TURN/LEFT TURN	POST MOUNTED (GROUND)	PROPOSED SIGN				2135+17.62	5.62 LT	36	36	9.00			SEE SIGN S2-3			
S2-20	R3-18	NO U-TURN/LEFT TURN	POST MOUNTED (GROUND)	PROPOSED SIGN				2135+77.39	5.73 RT	36	36	9.00			SEE SIGN S2-4			
S2-21	OM4-1	DEAD END MARKER	POST MOUNTED (GROUND)	PROPOSED SIGN						18	18	2.25						
S2-22	OM4-1	DEAD END MARKER	POST MOUNTED (GROUND)	PROPOSED SIGN				2135+50.10	79.17 LT	18	18	2.25			144.0			
S2-23	OM4-1	DEAD END MARKER	POST MOUNTED (GROUND)	PROPOSED SIGN						18	18	2.25						
S2-24	R11-1100	ROAD ENDS	POST MOUNTED (GROUND)	PROPOSED SIGN						36	30	7.50						
S2-25	OM4-1	DEAD END MARKER	POST MOUNTED (GROUND)	PROPOSED SIGN						18	18	2.25						
S2-26	OM4-1	DEAD END MARKER	POST MOUNTED (GROUND)	PROPOSED SIGN				2135+50.10	79.17 RT	18	18	2.25			144.0			
S2-27	OM4-1	DEAD END MARKER	POST MOUNTED (GROUND)	PROPOSED SIGN						18	18	2.25						
S2-28	R11-1100	ROAD ENDS	POST MOUNTED (GROUND)	PROPOSED SIGN						36	30	7.50						
S2-29	W14-2	NO OUTLET	POST MOUNTED (GROUND)	PROPOSED SIGN				2144+46.84	151.71 RT	30	30	6.25			14.5			
S2-30	W3-5	REDUCE SPEED LIMIT AHEAD	POST MOUNTED (GROUND)	PROPOSED SIGN				2134+50.00	35.52 LT	48	48		16.00		16.0			
S3-1	R2-1	SPEED LIMIT 45	POST MOUNTED (GROUND)	PROPOSED SIGN				2147+50.00	39.58 RT	36	48		12.00		16.0			
S3-2	W2-2L	INTERSECTION WARNING	POST MOUNTED (GROUND)	PROPOSED SIGN						36	36	9.00						
S3-3	W16-8P	FOREST DRIVE	POST MOUNTED (GROUND)	PROPOSED SIGN				2151+00.00	35.58 LT	42	8	2.33			15.7			
S3-4		BLIND ROAD NO OUTLET	POST MOUNTED (GROUND)	TO BE REMOVED	12	18	1.00	2152+92.75	108.79 RT									
S3-5	OM4-1	DEAD END MARKER	POST MOUNTED (GROUND)	PROPOSED SIGN				2152+92.10	396.20 LT	18	18	2.25			13.5			
S3-6	OM4-1	DEAD END MARKER	POST MOUNTED (GROUND)	PROPOSED SIGN				2152+97.48	117.31 RT	18	18	2.25			13.5			
S3-7	W14-2	NO OUTLET	POST MOUNTED (GROUND)	PROPOSED SIGN				2152+82.26	655.92 LT	30	30	6.25			14.5			
S3-8	OM4-1	DEAD END MARKER	POST MOUNTED (GROUND)	PROPOSED SIGN				2153+08.11	200.88 LT	18	18	2.25			13.5			
S3-9	W14-1	DEAD END	POST MOUNTED (GROUND)	PROPOSED SIGN				2153+16.50	201.47 LT	30	30	6.25			14.5			
S3-10	OM4-1	DEAD END MARKER	POST MOUNTED (GROUND)	PROPOSED SIGN				2153+24.89	202.09 LT	18	18	2.25			13.5			
S3-11	R3-5R	MANDITORY MOVEMENT	POST MOUNTED (GROUND)	PROPOSED SIGN				2155+18.24	50.58 RT	30	36	7.50			15.0			
S3-12	M1-6	COUNTY ROUTE	POST MOUNTED (GROUND)	PROPOSED SIGN				2156+00.00	35.58 LT	36	36	9.00			15.0			

	Bollinger, Lach & Associates, Inc. ITASCA, ILLINOIS	USER NAME : gollwanger	DESIGNED - GJE	REVISED - ADD #1 11/1/2017	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	LONGMEADOW PARKWAY SIGN SCHEDULES	SCALE:	SHEET 297 OF 611 SHEETS	STA. TO STA.	F.A.U. RTE. 2298	SECTION 16-00215-11-PV	COUNTY KANE	TOTAL SHEETS 611	SHEET NO. 297	CONTRACT NO. 61E05	ILLINOIS FED. AID PROJECT
	PLOT SCALE = 1/8"=1'-0"	DRAWN - GJE	REVISED -													
	PLOT DATE = 10/30/2017	CHECKED - DBB	REVISED -													
	DATE - 08/07/2017	REVISED -	REVISED -													

SIGN NUMBER	MUTCD CODE	PANEL DESCRIPTION	SIGN SUPPORT	ACTION	EXISTING WIDTH (IN)	EXISTING HEIGHT (IN)	REMOVE SIGN PANEL TYPE A	PROPOSED STATION	PROPOSED OFFSET	PROPOSED WIDTH (IN)	PROPOSED HEIGHT (IN)	SIGN PANEL (50 FT)			TELESCOPING SIGN SUPPORT (FT)	BREAKWAY STEEL (FT)	BREAKWAY STEEL (LBS)	CONCRETE FOUNDATIONS (CU YD)
												TYPE 1	TYPE 2	EXTRUDED				
S3-13	R3-23	ALL TURNS FROM RIGHT LANE	TWO WAY BREAKAWAY STEEL SIGN SUPPORTS (GROUND)	PROPOSED SIGN				2146+50.00	39.58 RT	60	36			15.00		26 (2)	390	1
S3-14	OM4-1	DEAD END MARKER	POST MOUNTED (GROUND)	PROPOSED SIGN				2155+45.87	282.87 RT	18	18	2.25			13.5			
S3-15	W14-1	DEAD END	POST MOUNTED (GROUND)	PROPOSED SIGN				2155+52.66	276.28 RT	30	30	6.25			14.5			
S3-16	OM4-1	DEAD END MARKER	POST MOUNTED (GROUND)	PROPOSED SIGN				2155+59.50	269.75 RT	18	18	2.25			13.5			
S3-17	M4-5	TO	POST MOUNTED (GROUND)	PROPOSED SIGN						36	18	4.50						
S3-18	M1-1100	ILLINOIS 31	POST MOUNTED (GROUND)	PROPOSED SIGN				2150+00.00	39.58 RT	36	36	9.00			74.0			
S3-19	R4-7 CUSTOM	KEEP RIGHT	POST MOUNTED (GROUND)	PROPOSED SIGN						36	24	6.00						
S3-20	M4-5	TO	POST MOUNTED (GROUND)	PROPOSED SIGN						36	18	4.50						
S3-21	M1-1100	ILLINOIS 31	POST MOUNTED (GROUND)	PROPOSED SIGN				2157+00.00	56.44 RT	36	36	9.00			74.0			
S3-22	M6-1	RIGHT DIRECTIONAL ARROW	POST MOUNTED (GROUND)	PROPOSED SIGN						36	24	6.00						
S3-23	R2-1	SPEED LIMIT 45	POST MOUNTED (GROUND)	PROPOSED SIGN				2153+50.00	35.58 LT	36	48		12.00		16.0			
S4-1	R3-5R	MANDITORY MOVEMENT	POST MOUNTED (GROUND)	PROPOSED SIGN				2157+03.43	50.58 RT	30	36	7.50			15.0			
S4-2	R4-7	KEEP RIGHT	POST MOUNTED (GROUND)	PROPOSED SIGN				2157+31.50	0.00 RT	24	30	5.00			14.5			
S4-3	M3-4	CARDINAL DIRECTION (WEST)	POST MOUNTED (GROUND)	PROPOSED SIGN						36	18	4.50						
S4-4	M1-6	COUNTY ROUTE	POST MOUNTED (GROUND)	PROPOSED SIGN				2158+03.69	39.46 LT	36	36	9.00			74.0			
S4-5	M6-1	LEFT DIRECTIONAL ARROW	POST MOUNTED (GROUND)	PROPOSED SIGN						36	24	6.00						
S4-6	M3-2	CARDINAL DIRECTION (EAST)	POST MOUNTED (GROUND)	PROPOSED SIGN						36	18	4.50						
S4-7	M1-6	COUNTY ROUTE	POST MOUNTED (GROUND)	PROPOSED SIGN				2158+12.02	39.46 LT	36	36	9.00			74.0			
S4-8	M6-1	RIGHT DIRECTIONAL ARROW	POST MOUNTED (GROUND)	PROPOSED SIGN						36	24	6.00						
S4-9	R4-7	KEEP RIGHT	POST MOUNTED (GROUND)	PROPOSED SIGN				2158+54.18	6.74 RT	24	30	5.00			17.5			
S4-10	R3-5L	MANDITORY MOVEMENT	POST MOUNTED (GROUND)	PROPOSED SIGN						30	36	7.50						
S4-11	M4-5	TO	POST MOUNTED (GROUND)	PROPOSED SIGN						36	18	4.50						
S4-12	M1-1100	ILLINOIS 31	POST MOUNTED (GROUND)	PROPOSED SIGN				2158+83.00	38.58 LT	36	36	9.00			74.0			
S4-13	M6-1	LEFT DIRECTIONAL ARROW	POST MOUNTED (GROUND)	PROPOSED SIGN						36	24	6.00						
S4-14	M1-6	COUNTY ROUTE	POST MOUNTED (GROUND)	PROPOSED SIGN				2160+50.00	39.58 RT	36	36	9.00			15.0			
S4-15	R3-5L	MANDITORY MOVEMENT	POST MOUNTED (GROUND)	PROPOSED SIGN				2160+68.05	6.75 RT	30	36	7.50			15.0			
S4-16	R2-1	SPEED LIMIT 45	POST MOUNTED (GROUND)	PROPOSED SIGN				2162+50.00	39.58 RT	36	48		12.00		16.0			
S4-17	D3-1	IL ROUTE 31	POST MOUNTED (GROUND)	PROPOSED SIGN				2165+00.00	39.58 RT	43	18	5.38			13.5			
S4-18	D3-1	IL ROUTE 31	POST MOUNTED (GROUND)	PROPOSED SIGN				2167+75.00	37.08 LT	43	18	5.38			13.5			
S4-19	M4-5	TO	POST MOUNTED (GROUND)	PROPOSED SIGN						36	18	4.50						
S4-20	M1-1100	ILLINOIS 31	POST MOUNTED (GROUND)	PROPOSED SIGN				2169+00.00	36.19 LT	36	36	9.00			74.0			
S4-21	R4-8 CUSTOM	KEEP LEFT	POST MOUNTED (GROUND)	PROPOSED SIGN						36	24	6.00						
S4-22	R3-23 (MOD)	ALL TURNS FROM LEFT LANE	TWO WAY BREAKAWAY STEEL SIGN SUPPORTS (GROUND)	PROPOSED SIGN				2171+00.00	31.58 LT	60	36			15.00		26 (2)	390	1
S4-23	R4-7	KEEP RIGHT	POST MOUNTED (GROUND)	PROPOSED SIGN				2157+31.50	0.00 RT	30	30	6.25			SEE SIGN S4-2			
S5-1	W3-3	TRAFFIC SIGNAL AHEAD	POST MOUNTED (GROUND)	PROPOSED SIGN				2173+00.00	48.35 LT	36	36	9.00			15.0			
S5-3	D3-2	JUNCTION IL 31	TWO WAY BREAKAWAY STEEL SIGN SUPPORTS (GROUND)	PROPOSED SIGN				2175+00.00	48.35 LT	72	48			24.00		28 (2)	420	1
				TOTAL:			1					504	76	78	1462.8	108	1620	4

NOTES: (2) REQUIRES TWO POSTS

FILE NAME = W:\B94-010 KDOT LMT Section B\CAAD SHEET\Section B2\20131894_SHT_PWK_SIGN_SCHEDULES.dgn



**Bollinger, Lach
& Associates, Inc.**
ITASCA, ILLINOIS

USER NAME = gellwanger
PLOT SCALE = 100.0000' / 1" =
PLOT DATE = 10/30/2017

DESIGNED - GJE
DRAWN - GJE
CHECKED - DBB
DATE - 08/07/2017

REVISED - ADD #1 11/1/2017
REVISED -
REVISED -
REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**LONGMEADOW PARKWAY
SIGN SCHEDULES**

SCALE: SHEET 298 OF 611 SHEETS STA. TO STA.

F.A.U.
RTE.

SECTION
16-00215-11-PV

COUNTY

KANE

TOTAL
SHEETS

611

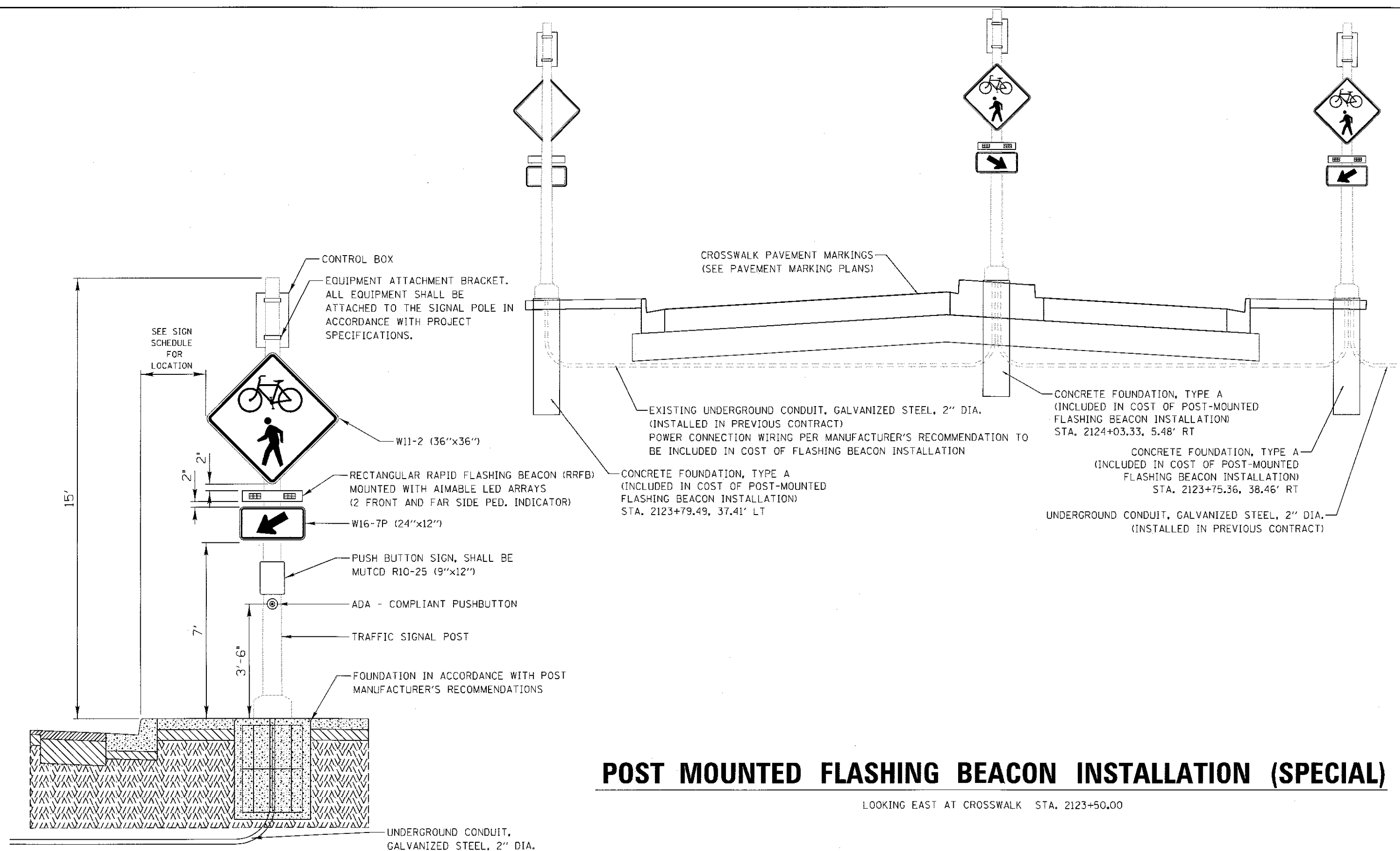
SHEET
NO.

298

CONTRACT NO. 61E05

ILLINOIS FED. AID PROJECT

FILE NAME: \\H:\94-00\KDOT LMP Section\BNC\000 SHEETS\Section B2\20131894_SHT_Pkg_Ped_Xing Detail.dgn



POST MOUNTED FLASHING BEACON INSTALLATION (SPECIAL)

LOOKING EAST AT CROSSWALK STA. 2123+50.00



**Bollinger, Lach
& Associates, Inc.**
EASCA, ILLINOIS

USER NAME = gellwanger	DESIGNED - GJE	REVISED - ADD #1 11/1/2017
PLOT SCALE = 20,0000' / 1" =	DRAWN - GJE	REVISED -
PLOT DATE = 10/30/2017	CHECKED - DBS	REVISED -
	DATE - 08/07/2017	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**LONGMEADOW PARKWAY
WHITE CHAPEL LANE PEDESTRIAN CROSSING DETAIL**

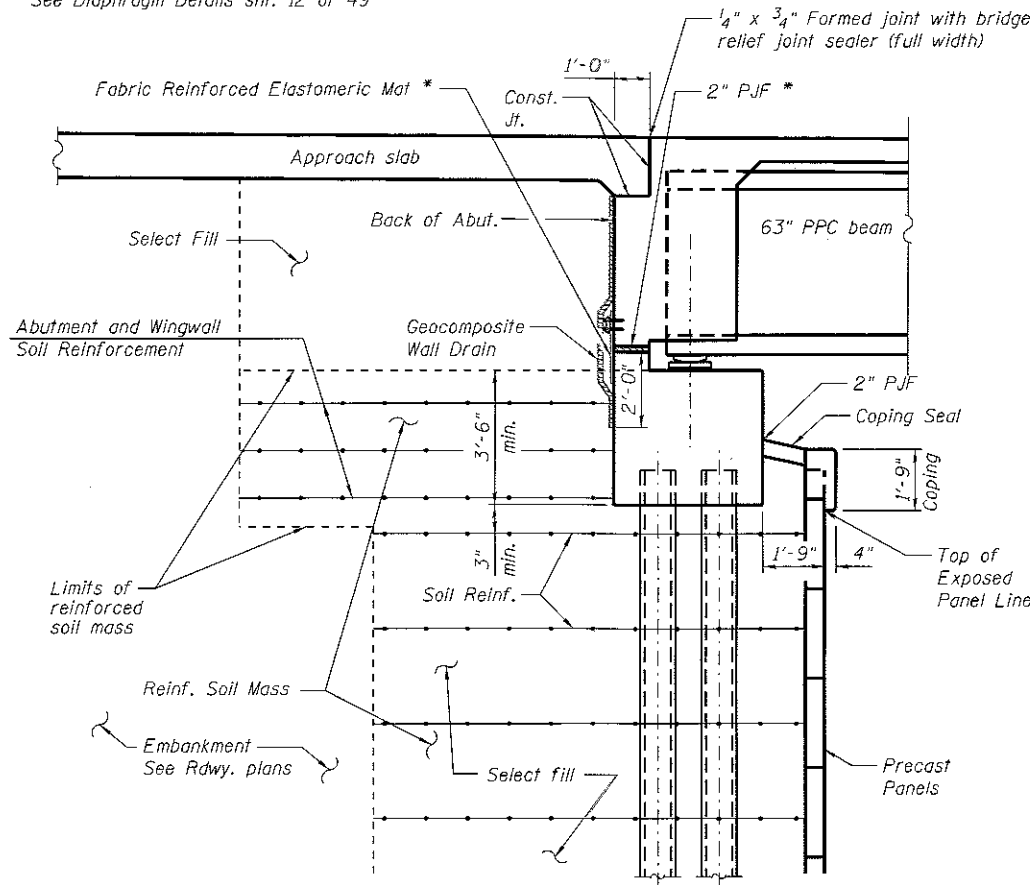
SCALE: NTS SHEET 299 OF 611 SHEETS STA. TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2298	16-00215-11-PV	KANE	611	299
CONTRACT NO. 61E05				
ILLINOIS FED. AID PROJECT				

GENERAL NOTES

Reinforcement bars designated (E) shall be epoxy coated.
Slipforming of the parapets is not allowed.
The embankment configuration shown shall be the minimum that must be placed and compacted prior to construction of the abutments.
A protective coat shall be applied to the top and inside faces the median, parapets and multi-use path. This work shall be performed after the polymer overlay is applied.

* See Diaphragm Details sht. 12 of 49



SECTION THRU SEMI-INTEGRAL ABUTMENT

See sheets 31 thru 39 of 49 for MSE wall details

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49. Boring Logs (10 of 10)

TOTAL BILL OF MATERIAL

ITEM	UNIT	SUPER	SUB	TOTAL
Porous Granular Embankment	Cu. Yd.		2	2
Aggregate Subgrade Improvement	Cu. Yd.		871	871
Structure Excavation	Cu. Yd.		1,303	1,303
Removal and Disposal of Unsuitable Material for Structures	Cu. Yd.		871	871
Concrete Structures	Cu. Yd.	49.5	121.9	171.4
Concrete Superstructure	Cu. Yd.	498.9	128.9	627.8
Form Liner Textured Surface	Sq. Ft.		17,582	17,582
Protective Coat	Sq. Yd.	914	150	1,064
Concrete Superstructure (Approach Slab)	Cu. Yd.	236.6		236.6
Furnishing And Erecting Precast Prestressed Concrete Beams IL63N	Foot	1,254		1,254
Reinforcement Bars, Epoxy Coated	Pound	186,190	29,150	215,340
Bicycle Railing	Foot		458	458
Parapet Railing	Foot	362		362
Furnishing Metal Shell Piles 14" X 0.312"	Foot		3,160	3,160
Driving Piles	Foot		3,160	3,160
Test Pile Metal Shells	Each		2	2
Name Plates	Each	1		1
Elastomeric Bearing Assembly, Type I	Each	10		10
Steel Bearing Assembly	Each	10		10
Anchor Bolts, 1/2"	Each	40		40
Mechanically Stabilized Earth Retaining Wall	Sq. Ft.		24,815	24,815
Geocomposite Wall Drain	Sq. Yd.		134	134
Conduit Attached To Structure, 2 1/2" Dia., PVC Coated Galvanized Steel	Foot	886		886
Conduit Attached To Structure, 5" Dia., PVC Coated Galvanized Steel	Foot	886		886
Aggregate Column Ground Improvement	L Sum		1	1
Staining Concrete Structures	Sq. Ft.		17,582	17,582
Name Plates (Special)	Each		2	2
Anti-Graffiti Coating	Sq. Ft.		18,516	18,516
Bridge Deck Thin Polymer Overlay 3/8"	Sq. Yd.	1,036		1,036
Drainage Scuppers (Special)	Each	8		8
Drainage Scuppers, DS-12	Each	8		8
Drainage System	L Sum	1		1
Wood Post And Rail Fence	Foot	32		32
Junction Box, Stainless Steel, Attached To Structure, 60" X 36" X 12"	Each	2		2

STATION 2166+19.38
BUILT 2011 BY
STATE OF ILLINOIS
F.A.U. RTE. 2298
SEC. 16-00215-11-PV
LOADING HL-93
STRUCTURE NO. 045-3048

NAME PLATE
See Std. 515001

2'-0"
LETTERING
AND ARTWORK TO
BE DETERMINED BY
THE ENGINEER.
2'-0"

NAME PLATE (SPECIAL)



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& Associates, Inc.
ITASCA, ILLINOIS

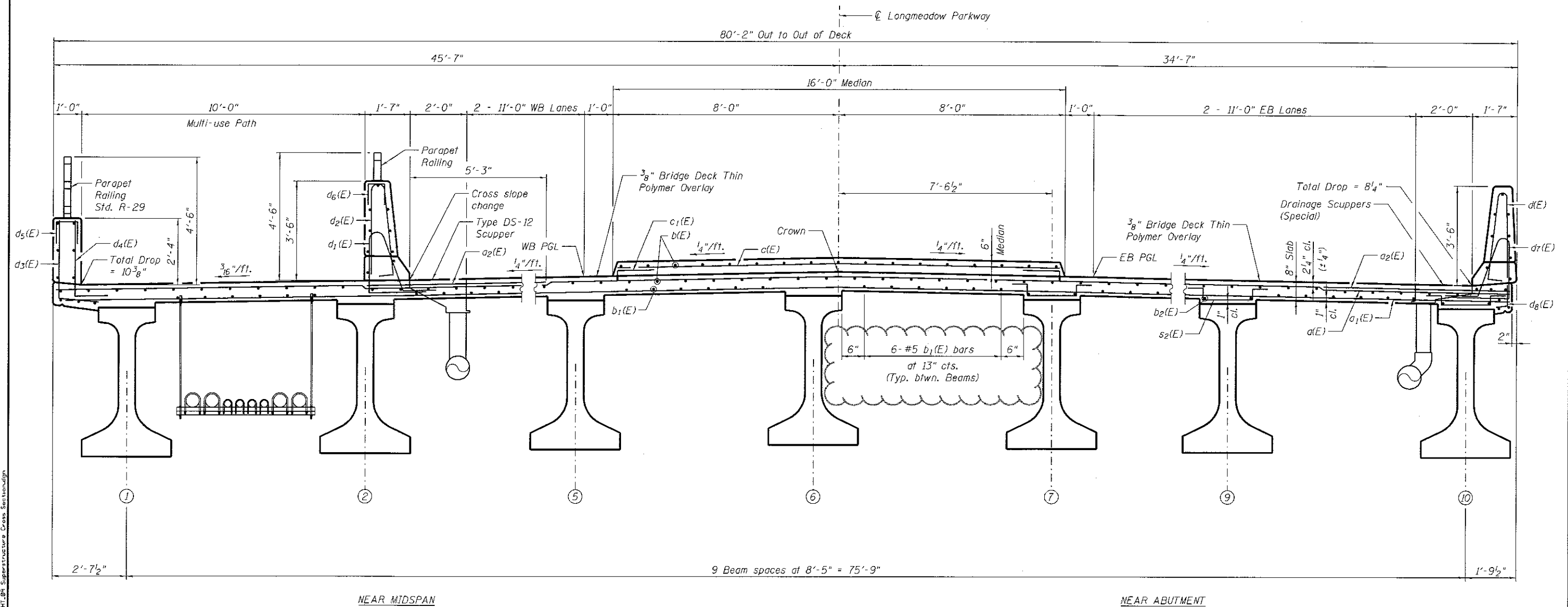
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PLOT SCALE =	CHECKED - NS	REVISED
PLOT DATE = 10/24/2017	DRAWN - CM	REVISED
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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

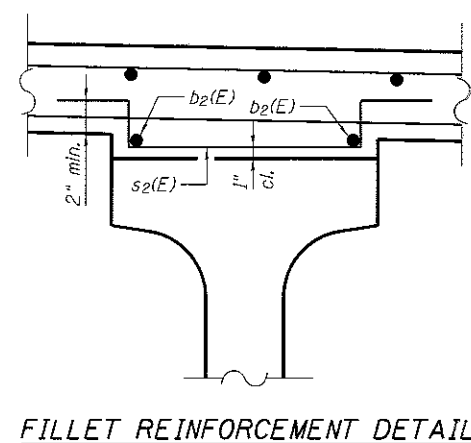
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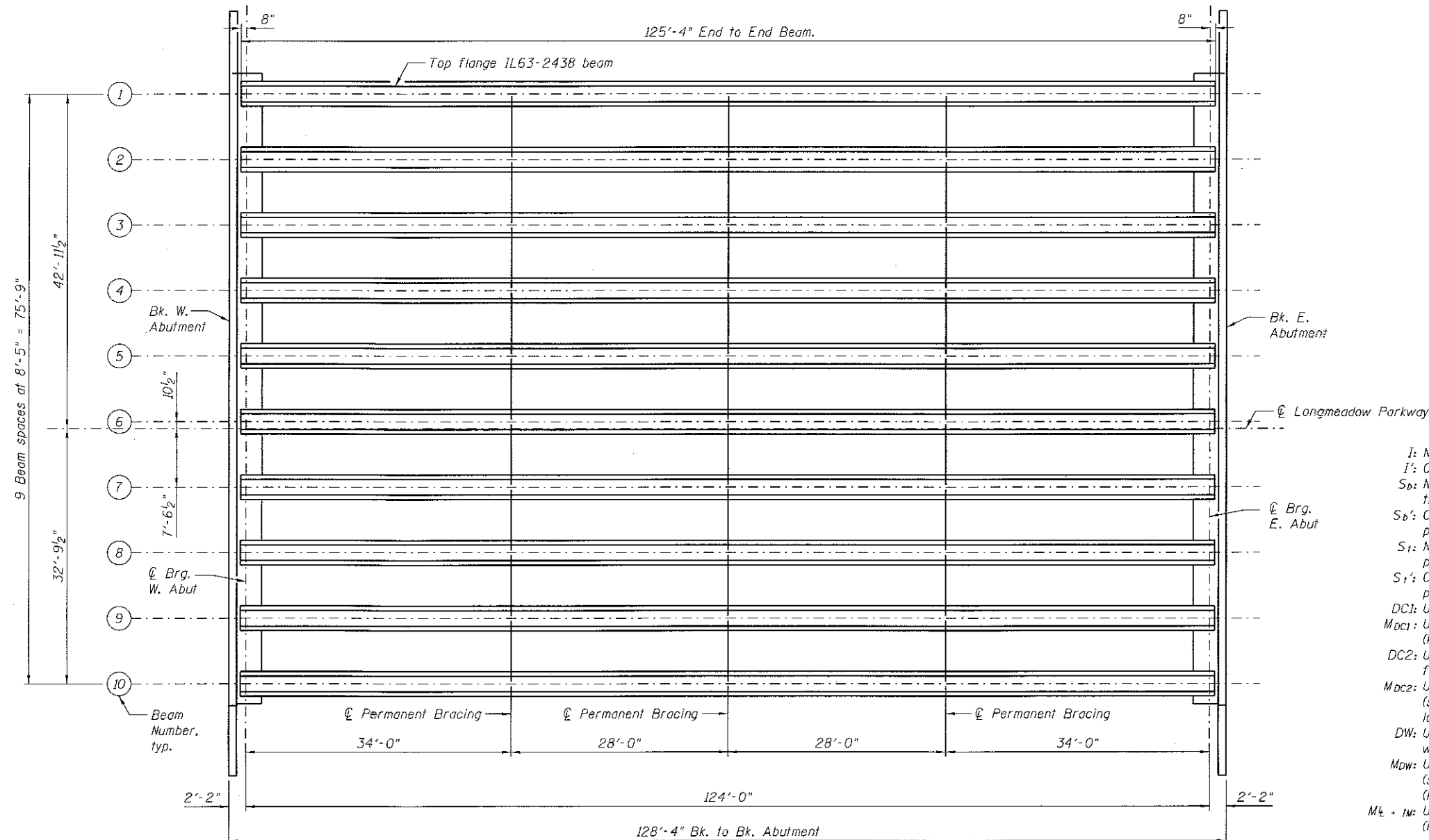
SHEET NO. 2 OF 49 SHEETS

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2298	16-00215-11-PV	KANE	611	370
CONTRACT NO. 61E05				
ILLINOIS FED. AID PROJECT				



CROSS SECTION
(Looking East)



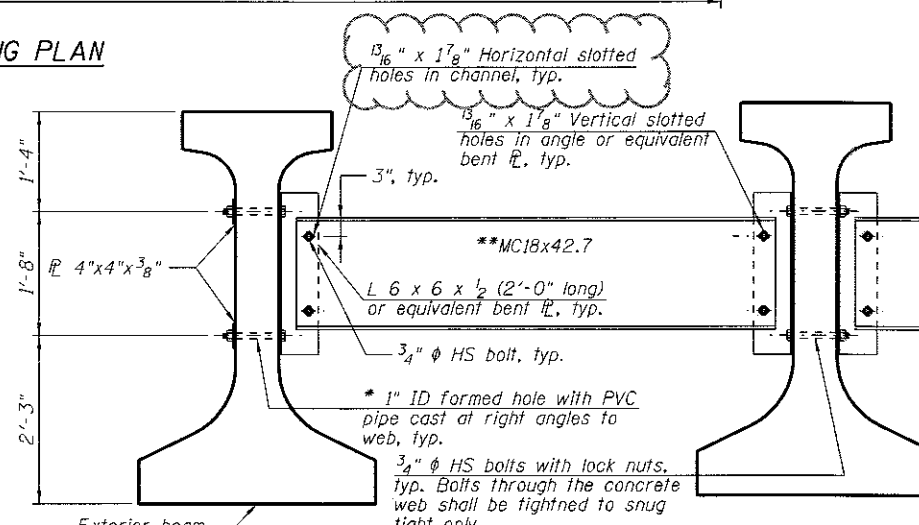


- I : Non-composite moment of inertia of beam section (in^4).
 I' : Composite moment of inertia of beam section (in^4).
 S_b : Non-composite section modulus for the bottom fiber of the prestressed beam (in^3).
 S_b' : Composite section modulus for the bottom fiber of the prestressed beam (in^3).
 S_t : Non-composite section modulus for the top fiber of the prestressed beam (in^3).
 S_t' : Composite section modulus for the top fiber of the prestressed beam (in^3).
 $DC1$: Un-factored non-composite dead load (kips/ft.).
 M_{DC1} : Un-factored moment due to non-composite dead load (kip-ft.).
 $DC2$: Un-factored long-term composite (superimposed excluding future wearing surface) dead load (kips/ft.).
 M_{DC2} : Un-factored moment due to long-term composite (superimposed excluding future wearing surface) dead load (kip-ft.).
 DW : Un-factored long-term composite (superimposed future wearing surface only) dead load (kips/ft.).
 M_{DW} : Un-factored moment due to long-term composite (superimposed future wearing surface only) dead load (kip-ft.).
 $M_L + 1.6M$: Un-factored live load moment plus dynamic load allowance (impact) (kip-ft.).

FRAMING PLAN

INTERIOR BEAM MOMENT TABLE		
		0.5 Span
I	(in^4)	441,689
I'	(in^4)	1,054,021
S_b	(in^3)	17,294
S_b'	(in^3)	25,658
S_t	(in^3)	11,790.9
S_t'	(in^3)	48,084
$DC1$	(k/ft)	1.84
M_{DC1}	(k)	3,537
$DC2$	(k/ft)	0.27
M_{DC2}	(k)	519
DW	(k/ft)	0.26
M_{DW}	(k)	500
$LLDF$	(k)	0.697
$M_L + 1.6M$	(k)	2,667

BEAM REACTION TABLE		
	Abutment	
	Interior	Exterior (Bm 10)
$LLDF$	0.844	0.551
R_{DC1} (k)	114.1	99.0
R_{DC2} (k)	16.7	16.7
R_{DW} (k)	16.1	16.1
R_L (k)	89.2	58.2
R_{IM} (k)	18.4	12.0
R_{Total} (k)	254.5	202.0



PERMANENT BRACING DETAIL

- * Fabricator shall locate to miss strands within permissible tolerances.
 ** Alternate MC18x45.8 channel are permitted to facilitate material acquisition.

All material for bracing shall be hot dip galvanized according to AASHTO M111 unless otherwise noted.
 Two hardened washers are required for each set of oversized holes. All holes shall be $\frac{1}{16}$ " ϕ unless otherwise noted.
 $\frac{5}{16}$ " x 3" x 3" plate washers are required over all slotted holes. All bolts shall be galvanized according to AASHTO M232. Bracing shall be installed as beams are erected and tightened as soon as possible during erection. Permanent bracing shall not be paid for separately, but shall be included in the cost of Furnishing and Erecting Precast Prestressed Concrete Beams, IL63N.

FILE NAME = WAB94-010 KDOT LMP Section B/CADD SHEET/STRUCTURAL/Section B2/LMP over IL63 Bridge/SHL22 Framing Plan.dgn



Bollinger, Lach & Associates, Inc.
ITASCA, ILLINOIS

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 PLOT SCALE =
 PLOT DATE = 10/24/2017

DESIGNED - JJI
 CHECKED - NS
 DRAWN - CM
 CHECKED - NS

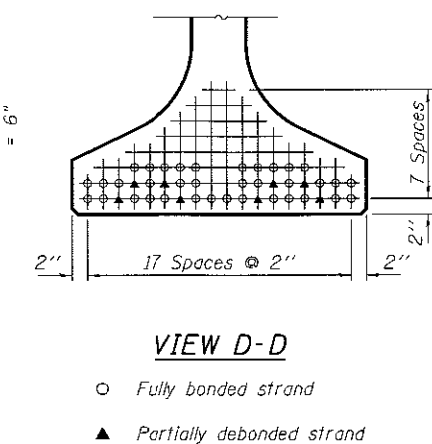
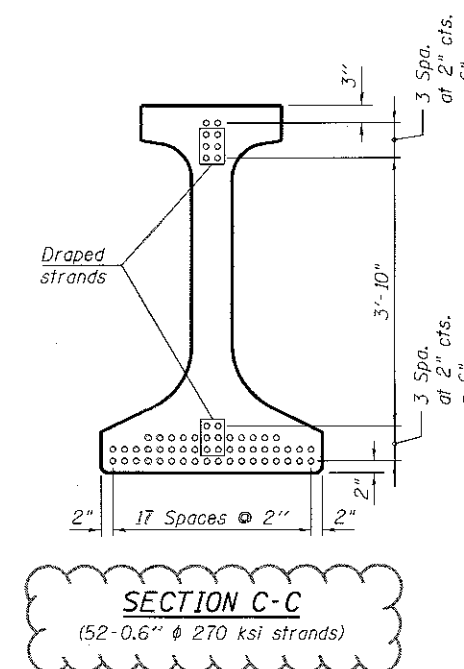
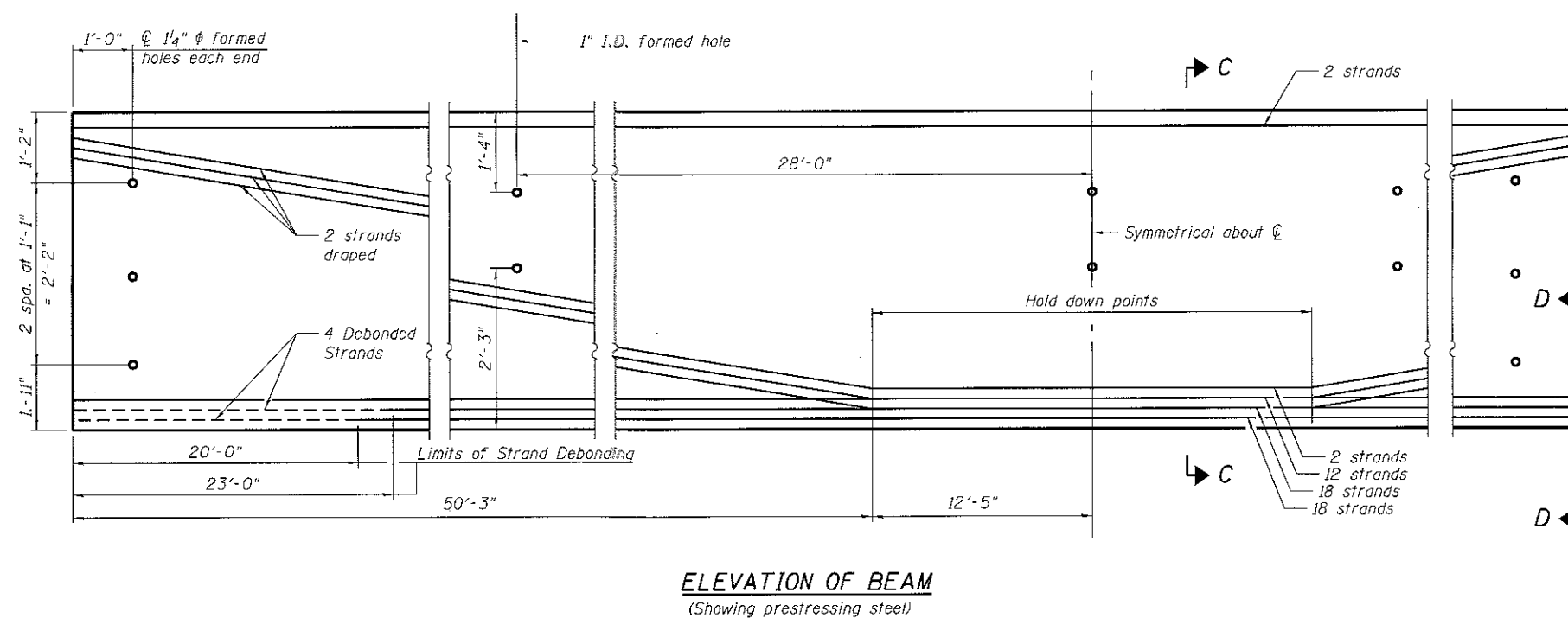
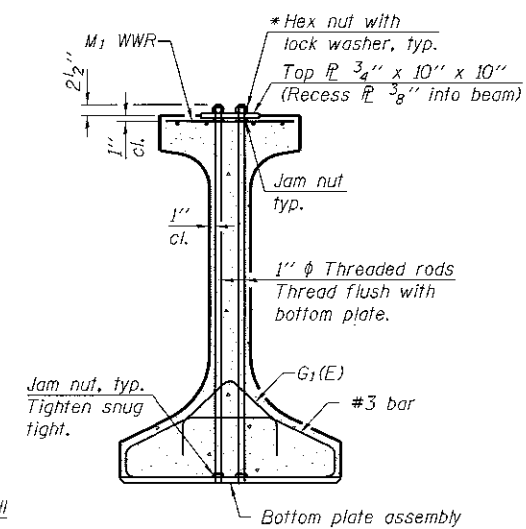
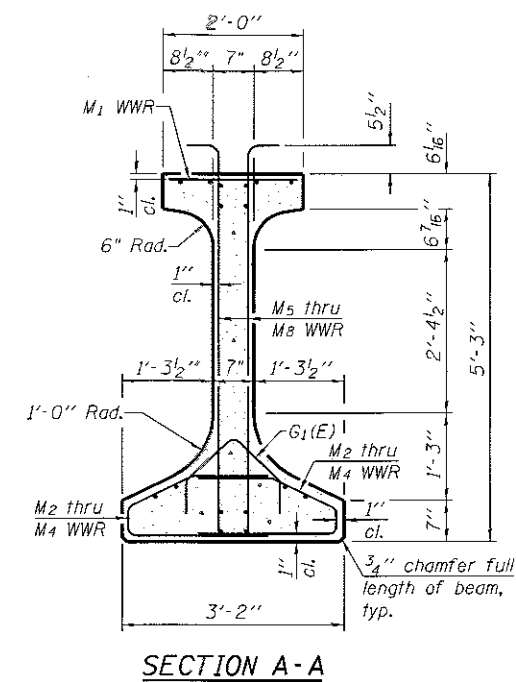
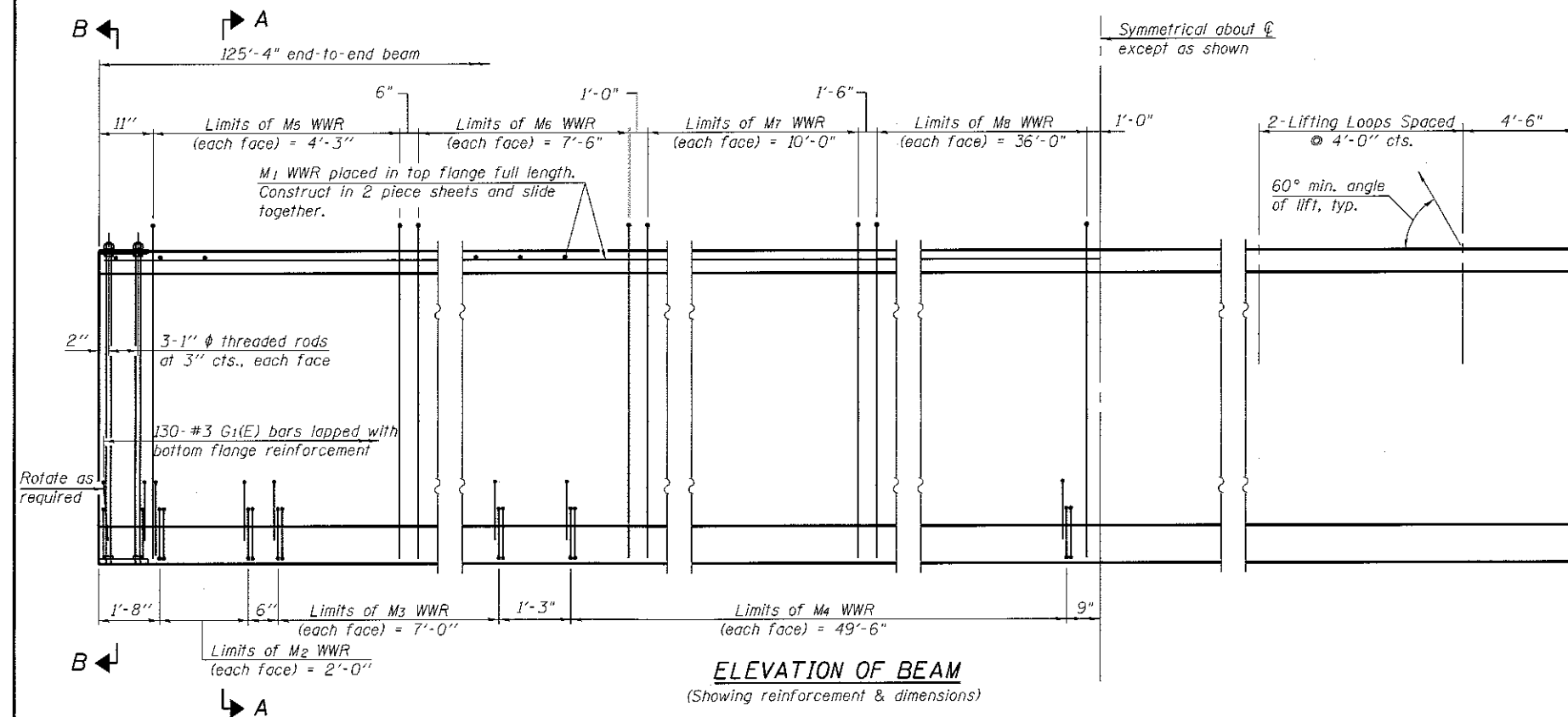
REVISED
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STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

FRAMING PLAN
 STRUCTURE NO. 045-3048

SHEET NO. 22 OF 49 SHEETS

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
229B	16-00215-11-PV	KANE	611	390
CONTRACT NO. 61E05				
ILLINOIS FED. AID PROJECT				



Note:
See sheet 24 of 49 for additional
details and Bill of Material.

IL63-2438

2-17-2017

B

**Bollinger, Lach
& Associates, Inc.**
ITASCA, ILLINOIS

USER NAME =	
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DESIGNED " 41

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REVISED

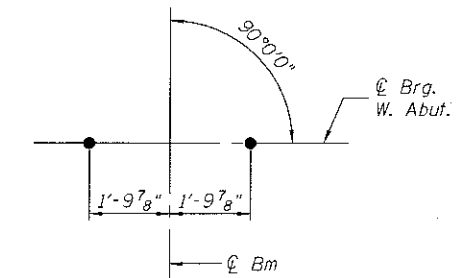
ADD#1 11/1/2017

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

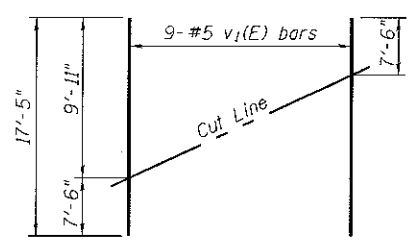
IL63N PPC BEAM
STRUCTURE NO. 045-3048

SHEET NO. 29 OF 49 SHEETS

F.A.U RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2298	16-00215-11-PV	KANE	611	391
		CONTRACT NO. 61E05		
		ILLINOIS FED. AID PROJECT		

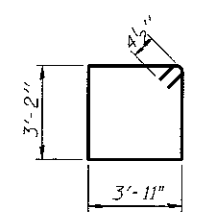


ANCHOR BOLT DETAILS

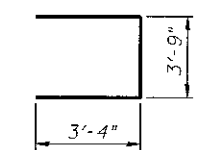


FIELD CUTTING DIAGRAM

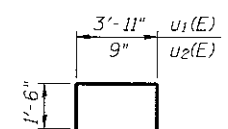
Order $v_1(E)$ bars full length. Cut as shown and use remainder of bars in opposite face.



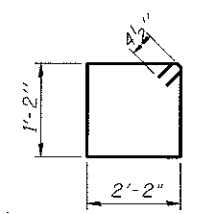
BARS $s_3(E)$



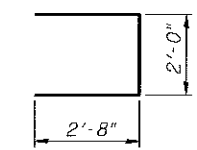
BAR $u(E)$



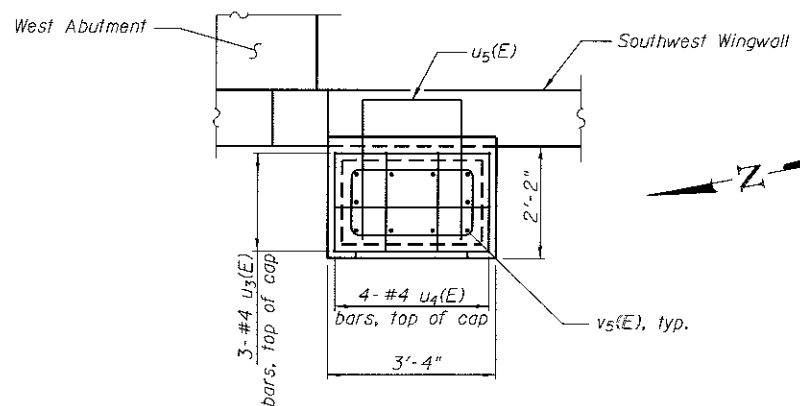
BAR $u_1(E)$ & $u_2(E)$



BARS $s_4(E)$

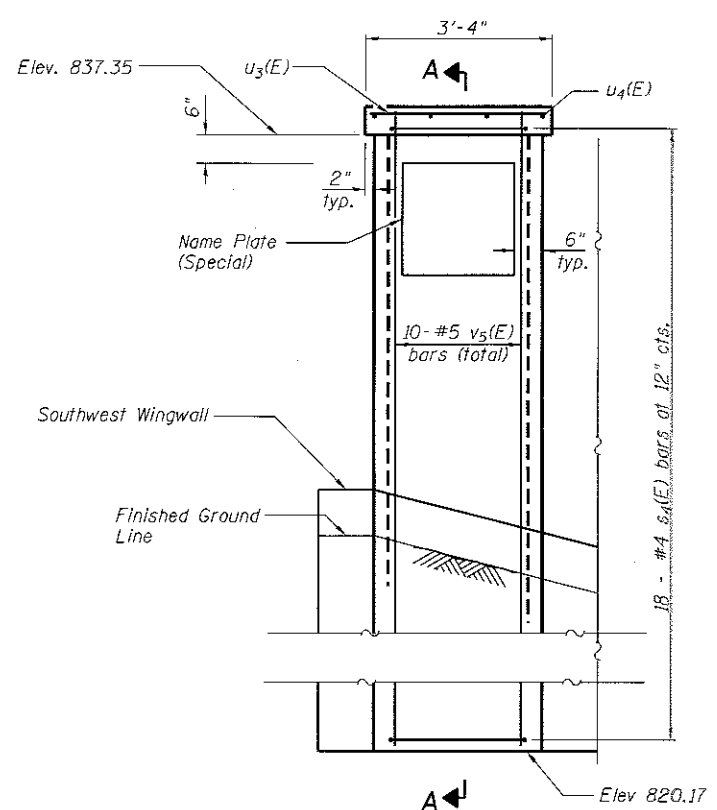


BAR $u_5(E)$



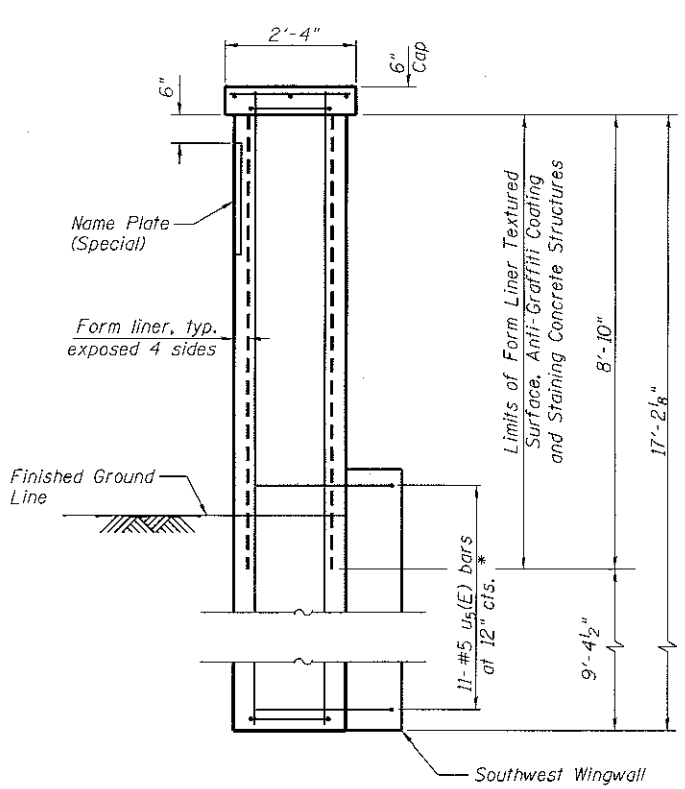
PILLAR PLAN

(Wingwall bars and superstructure omitted for clarity)



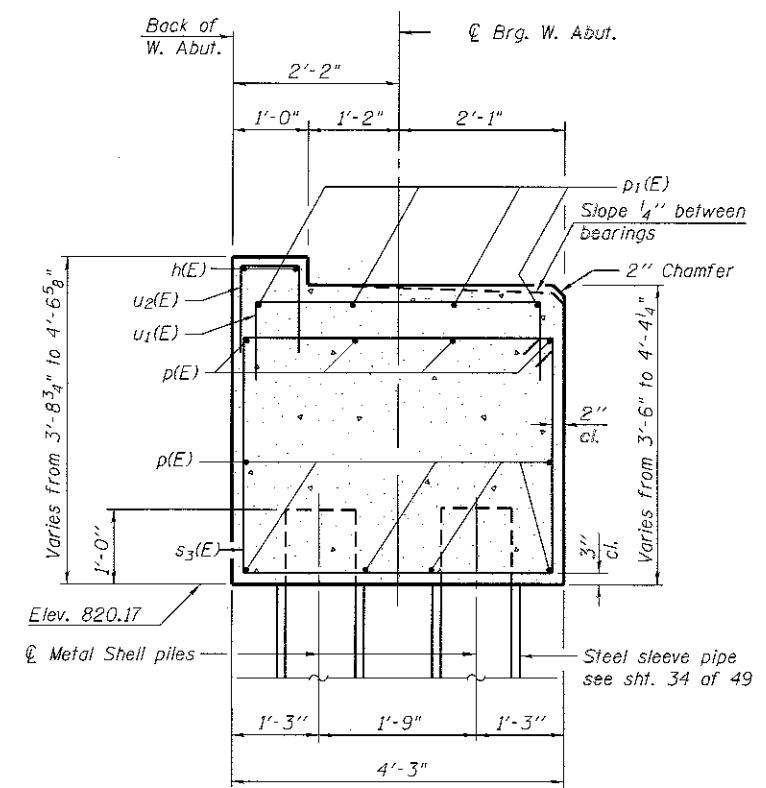
PILLAR ELEVATION

(Looking East)



SECTION A-A

* Tilt bars to fit wingwall slope



SEC. THRU ABUT.

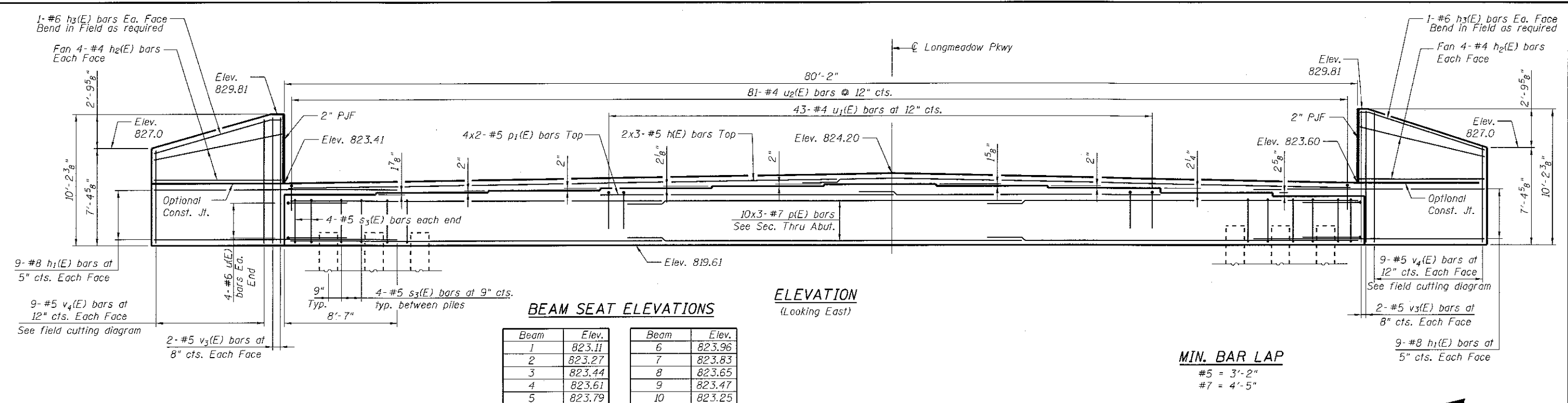
WEST ABUTMENT
BILL OF MATERIAL

Bar	No.	Size	Length	Shape
$h(E)$	6	#5	28'-9"	
$h_1(E)$	18	#8	18'-5"	
$h_2(E)$	22	#4	9'-8"	
$h_3(E)$	2	#6	10'-2"	
$h_4(E)$	14	#4	7'-7"	
$h_5(E)$	18	#8	16'-6"	
$p(E)$	30	#7	29'-9"	
$p_1(E)$	8	#5	23'-4"	
$s_3(E)$	88	#5	14'-11"	
$s_4(E)$	18	#4	7'-5"	
$u(E)$	8	#6	10'-5"	
$u_1(E)$	43	#4	6'-11"	
$u_2(E)$	81	#4	3'-9"	
$u_3(E)$	3	#4	3'-0"	
$u_4(E)$	4	#4	2'-0"	
$u_5(E)$	11	#4	7'-4"	
$v(E)$	4	#5	10'-1"	
$v_1(E)$	9	#5	17'-4"	
$v_2(E)$	16	#5	11'-10"	
$v_5(E)$	10	#5	16'-10"	
Structure Excavation	Cu. Yd.	2		
Concrete Structures	Cu. Yd.	62.0		
Form Liner Textured Surface	Sq. Ft.	89		
Reinforcement Bars, Epoxy Coated	Pound	6,600		
Furnishing Metal Shell Piles 14" x 0.312"	Foot	1,400		
Driving Piles	Foot	1,400		
Test Pile, Metal Shell	Each	1		
Geocomposite Wall Drain	Sq. Yd.	67		
Staining Concrete Structures	Sq. Ft.	89		
Name Plates (Special)	Each	1		
Anti-Graffiti Coating	Sq. Ft.	89		

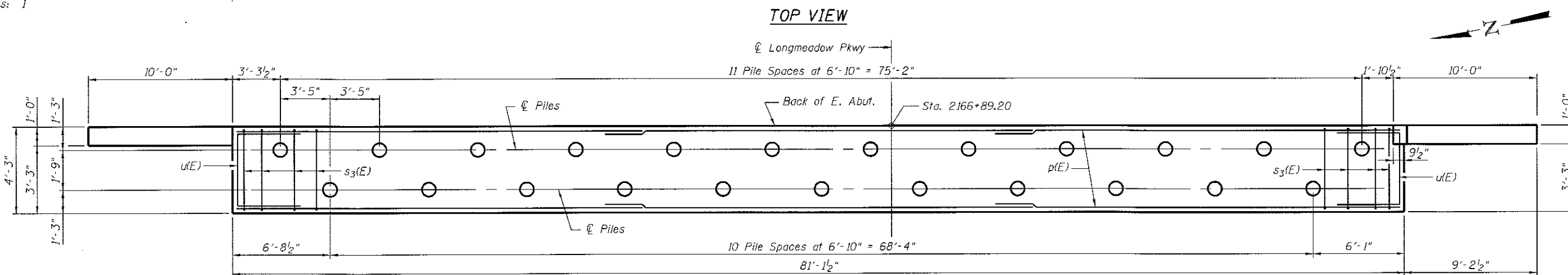
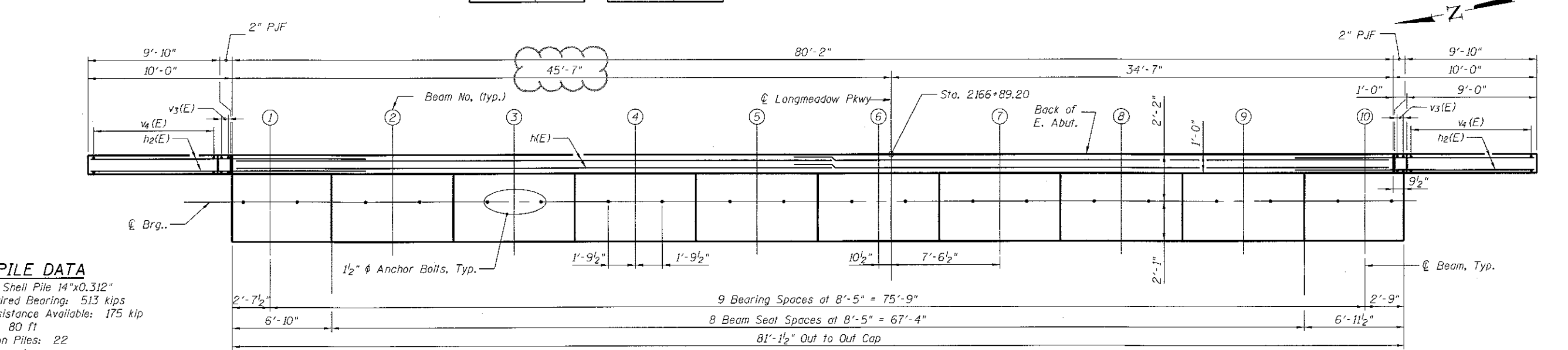
For details of piles see sheet 30 of 49.

FILE NAME = W:\094-010-KDOT LWP Section-B\CADD-SHEETS\Structural\Section 82\LWP over IL31 Bridge\WAB-27 WestAbut.dgn

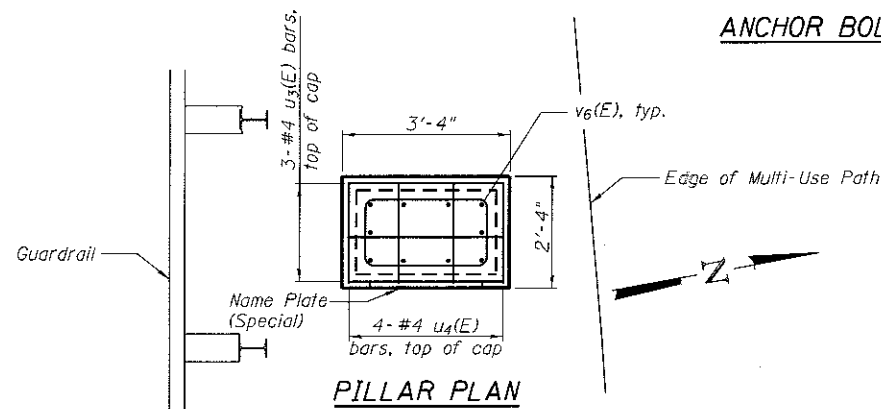
FILE NAME = K:\B94-010\DOT LMP Section B\6000 SHEET\Structural\Section B2\LMP over IL31 Bridge\over SHI-28 EastAbutPlanElevation



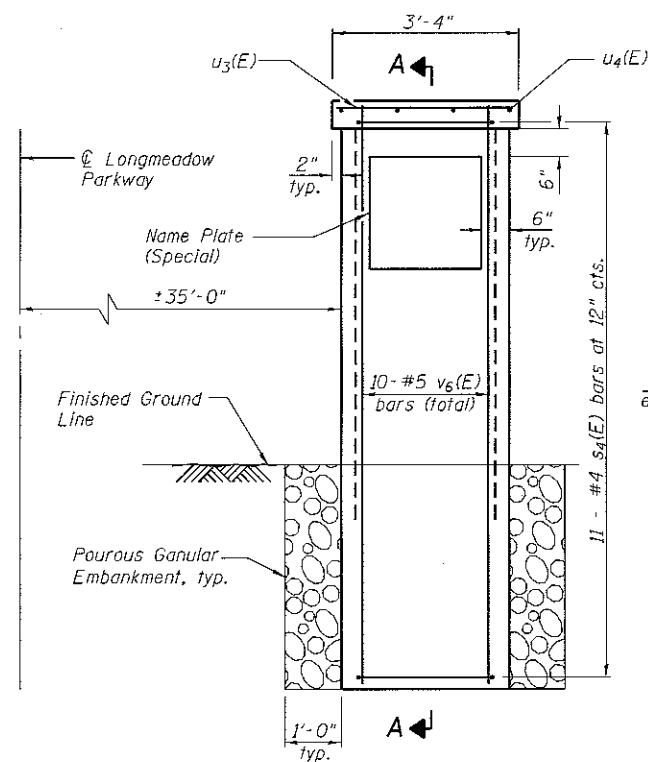
PILE DATA
Type: Metal Shell Pile 14"x0.312"
Nominal Required Bearing: 513 kips
Factored Resistance Available: 175 kip
Est. Length: 80 ft
No. Production Piles: 22
No. Test Piles: 1



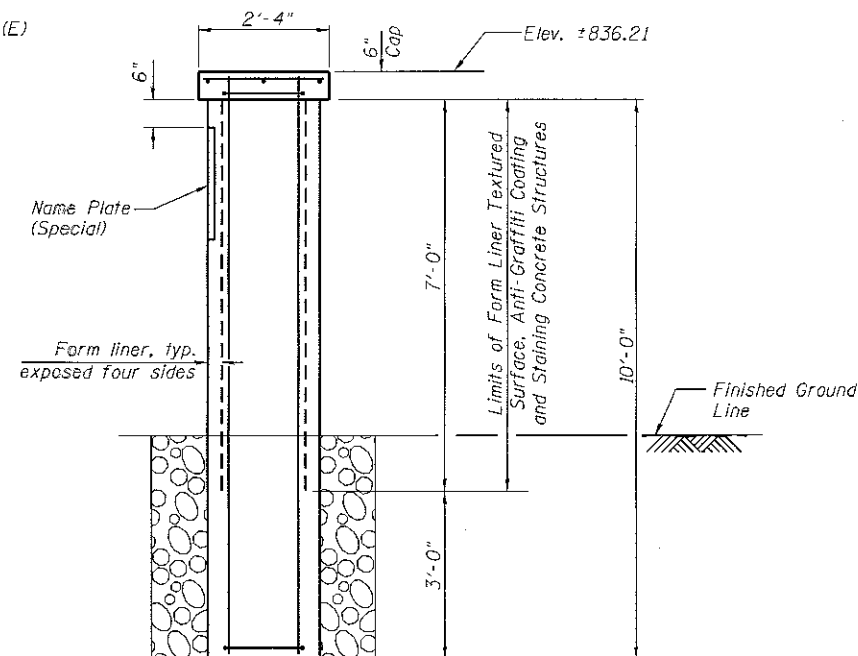
FILE NAME = WAB94-018 MOOT LMP Section B/CROD SHEETS/Structure/Section 82 LMP over IL31 Bridge/xxx-SHT-29 East Abutment



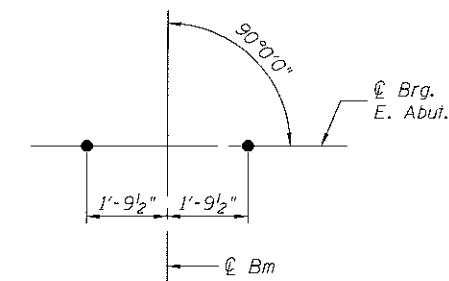
PILLAR PLAN



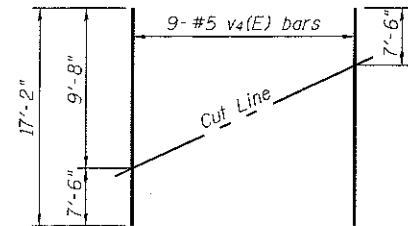
PILLAR ELEVATION
(Looking West)



SECTION A-A

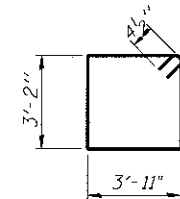


ANCHOR BOLT DETAILS

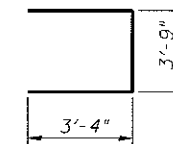


FIELD CUTTING DIAGRAM

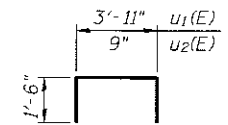
Order v4(E) bars full length. Cut as shown and use remainder of bars in opposite face.



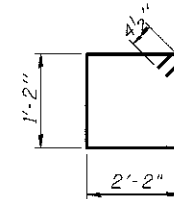
BARS s3(E)



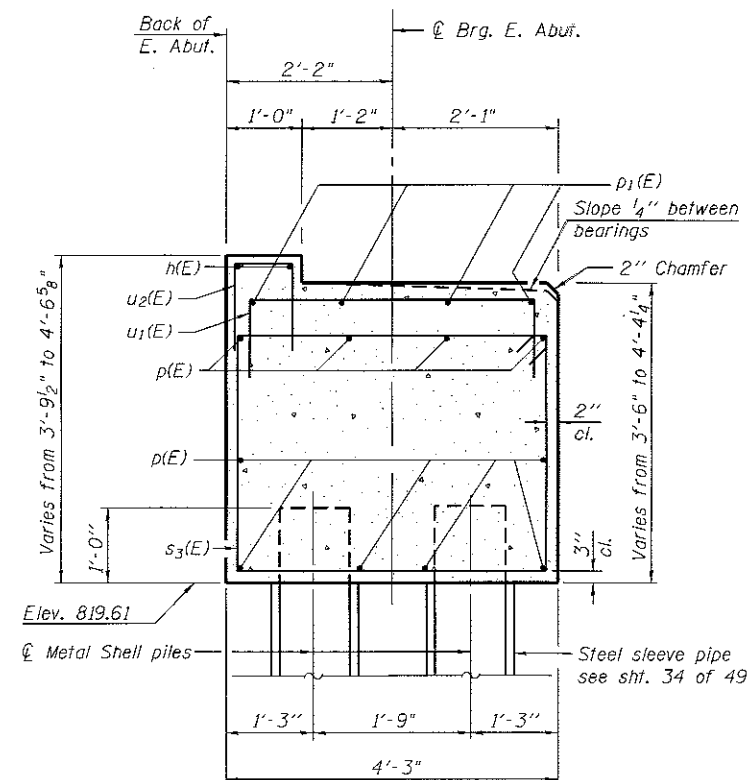
BAR u(E)



BAR u1(E) & u2(E)



BARS s4(E)



SEC. THRU ABUT.

EAST ABUTMENT
BILL OF MATERIAL

Bar	No.	Size	Length	Shape
h(E)	6	#5	28'-2"	
h1(E)	36	#8	18'-5"	
h2(E)	16	#4	9'-8"	
h3(E)	4	#6	10'-2"	
p(E)	30	#7	29'-9"	
p1(E)	8	#5	23'-4"	
s3(E)	96	#5	14'-11"	
s4(E)	11	#4	7'-5"	
u(E)	8	#6	10'-5"	
u1(E)	43	#4	6'-11"	
u2(E)	81	#4	3'-9"	
u3(E)	3	#4	3'-0"	
u4(E)	4	#4	2'-0"	
v3(E)	8	#5	9'-10"	
v4(E)	18	#5	17'-2"	
v6(E)	10	#5	10'-1"	
Pourous Granular Embankment			Cu. Yd.	2
Structure Excavation			Cu. Yd.	3
Concrete Structures			Cu. Yd.	59.9
Form Liner Textured Surface			Sq. Ft.	70
Reinforcement Bars, Epoxy Coated			Pound	6,730
Furnishing Metal Shell Piles 14" x 0.312"			Foot	1,760
Driving Piles			Foot	1,760
Test Pile Metal Shell			Each	1
Geocomposite Wall Drain			Sq. Yd.	67
Staining Concrete Structures			Sq. Ft.	70
Name Plates (Special)			Each	1
Anti-Graffiti Coating			Sq. Ft.	70

For details of piles see sheet 30 of 49.