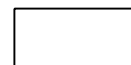
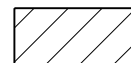
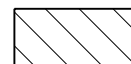



-  - NEW HOT-MIX ASPHALT PAVEMENT
-  - NEW HOT-MIX ASPHALT PARKING LOT OVERLAY
-  - NEW HOT-MIX ASPHALT PARKING LOT ENTRANCE
-  - NEW HOT-MIX ASPHALT PARKING LOT

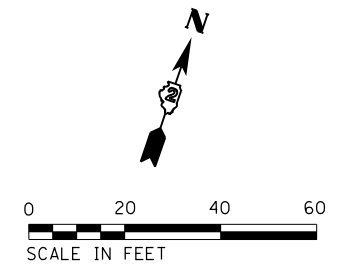
PROP. CURVE MAINROAD40  
 P.I. STA. 192+25.42  
 $\Delta = 91^\circ 52' 00''$  (RT)  
 $D = 31^\circ 49' 52''$   
 $R = 180.00'$   
 $T = 185.96'$   
 $L = 288.61'$   
 $E = 78.81'$   
 $e = R.C.$   
 $T.R. = 25'$   
 $S.E. RUN = 25'$   
 P.R.C. STA. 190+39.46  
 P.R.C. STA. 193+28.07

PROP. CURVE MAINROAD41  
 P.I. STA. 194+19.22  
 $\Delta = 53^\circ 43' 02''$  (LT)  
 $D = 31^\circ 49' 52''$   
 $R = 180.00'$   
 $T = 91.16'$   
 $L = 168.76'$   
 $E = 21.77'$   
 $e = N.C.$   
 $P.R.C. STA. 193+28.07$   
 $P.R.C. STA. 194+96.82$

\* DUE TO STEEP ENTRANCE GRADE,  
 RETAIN NORMAL CROWN THRU THIS CURVE.

54213705  
 PRECAST REINFORCED CONCRETE  
 FLARED END SECTION EORS 60"  
 191+95.75, 25.60' LT  
 INV ELEV 866.07  
 1 EACH

NOTE:  
 SEE ALIGNMENTS SHEET FOR PROPOSED CENTERLINE  
 STATIONING AND ALIGNMENT INFORMATION.  
 SEE PARKING LOT SHEETS FOR ADDITIONAL  
 DETAILS AND QUANTITIES.



PROP. CURVE MAINROAD39  
 P.I. STA. 189+36.82  
 $\Delta = 87^\circ 59' 29''$  (LT)  
 $D = 31^\circ 49' 52''$   
 $R = 180.00'$   
 $T = 173.80'$   
 $L = 276.43'$   
 $E = 70.21'$   
 $e = R.C.$   
 $T.R. = 25'$   
 $S.E. RUN = 25'$   
 P.R.C. STA. 187+63.03  
 P.R.C. STA. 190+39.46

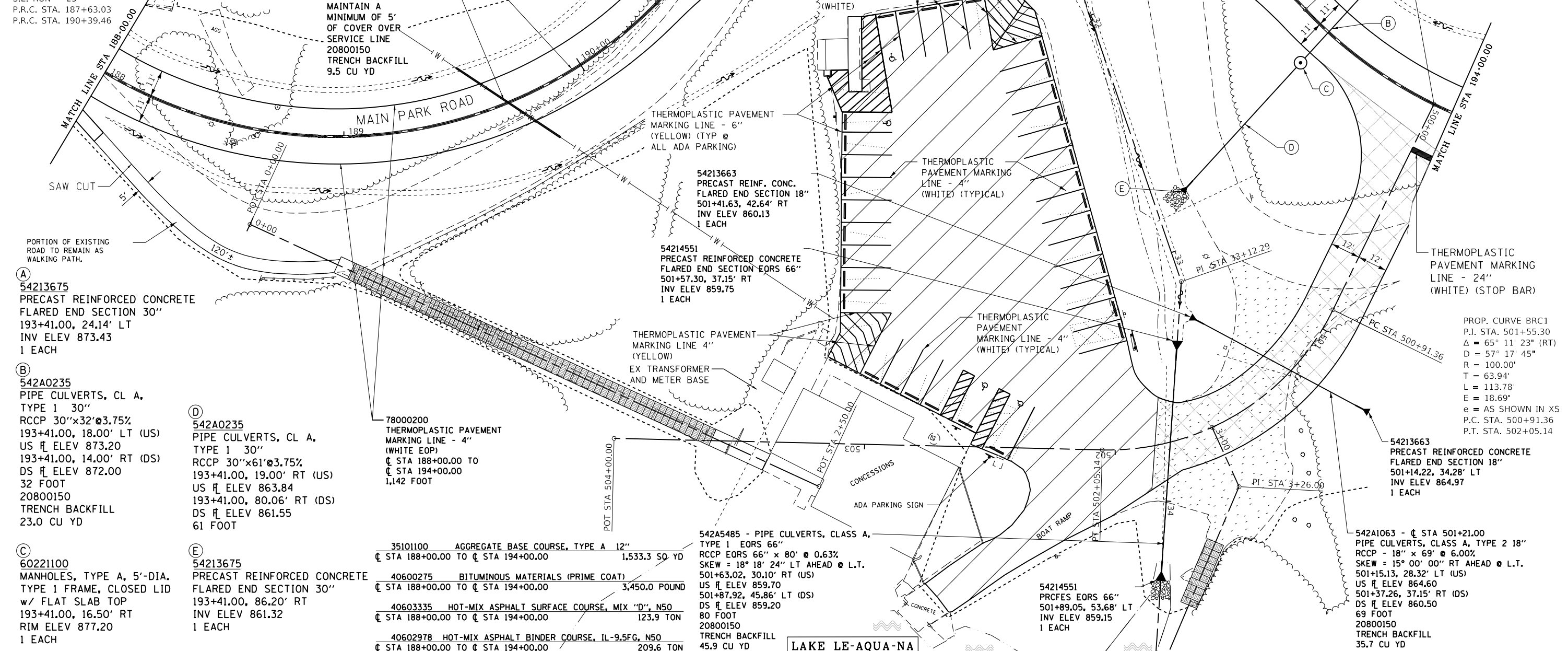
78000200  
 THERMOPLASTIC PAVEMENT  
 MARKING LINE - 4"  
 (DOUBLE YELLOW CENTERLINE)  
 @ STA 188+00.00 TO  
 @ STA 194+00.00  
 1,200 FOOT

X5620126  
 WATER SERVICE LINE,  
 SPECIAL  
 STA 189+67.00  
 50 FOOT  
 MAINTAIN A  
 MINIMUM OF 5'  
 OF COVER OVER  
 SERVICE LINE  
 20800150  
 TRENCH BACKFILL  
 9.5 CU YD

542A1087  
 PIPE CULVERTS, CLASS A, TYPE 1  
 EQUIVALENT ROUND SIZE 60"  
 RCCP EORS 60" x 48" @ 4.08%  
 191+98.64, 18.28' LT (US)  
 US  $\uparrow$  ELEV 865.75  
 192+21.17, 23.65' RT (DS)  
 DS  $\uparrow$  ELEV 863.81  
 48 FOOT  
 20800150  
 TRENCH BACKFILL  
 45.2 CU YD

54213705  
 PRECAST REINFORCED CONCRETE  
 FLARED END SECTION EORS 60"  
 192+26.20, 30.41' RT  
 INV ELEV 863.49  
 1 EACH

IMPROVEMENT BEGINS  
 IP STA 500+00.00 (BOAT RAMP/  
 CONCESSIONS ENTRANCE) =  
 POC STA 193+92.11 (MPR)  
 DEPARTURE ANGLE =  
 $90^\circ 00' 00''$  @ LOCAL TANGENT



(A) 54213675  
 PRECAST REINFORCED CONCRETE  
 FLARED END SECTION 30"  
 193+41.00, 24.14' LT  
 INV ELEV 873.43  
 1 EACH

(B) 542A0235  
 PIPE CULVERTS, CL A,  
 TYPE 1 30"  
 RCCP 30"x32'@3.75%  
 193+41.00, 18.00' LT (US)  
 US  $\uparrow$  ELEV 873.20  
 193+41.00, 14.00' RT (DS)  
 DS  $\uparrow$  ELEV 872.00  
 32 FOOT  
 20800150  
 TRENCH BACKFILL  
 23.0 CU YD

(C) 60221100  
 MANHOLES, TYPE A, 5'-DIA.  
 TYPE 1 FRAME, CLOSED LID  
 w/ FLAT SLAB TOP  
 193+41.00, 16.50' RT  
 RIM ELEV 877.20  
 1 EACH

(D) 542A0235  
 PIPE CULVERTS, CL A,  
 TYPE 1 30"  
 RCCP 30"x61'@3.75%  
 193+41.00, 19.00' RT (US)  
 US  $\uparrow$  ELEV 863.84  
 193+41.00, 80.06' RT (DS)  
 DS  $\uparrow$  ELEV 861.55  
 61 FOOT

(E) 54213675  
 PRECAST REINFORCED CONCRETE  
 FLARED END SECTION 30"  
 193+41.00, 86.20' RT  
 INV ELEV 861.32  
 1 EACH

78000200  
 THERMOPLASTIC PAVEMENT  
 MARKING LINE - 4"  
 (WHITE EOP)  
 @ STA 188+00.00 TO  
 @ STA 194+00.00  
 1,142 FOOT

35101100 AGGREGATE BASE COURSE, TYPE A 12"  
 @ STA 188+00.00 TO @ STA 194+00.00 1,533.3 SQ YD

40600275 BITUMINOUS MATERIALS (PRIME COAT)  
 @ STA 188+00.00 TO @ STA 194+00.00 3,450.0 POUND

40603335 HOT-MIX ASPHALT SURFACE COURSE, MIX "D", N50  
 @ STA 188+00.00 TO @ STA 194+00.00 123.9 TON

40602978 HOT-MIX ASPHALT BINDER COURSE, IL-9.5FG, N50  
 @ STA 188+00.00 TO @ STA 194+00.00 209.6 TON

542A5485 - PIPE CULVERTS, CLASS A,  
 TYPE 1 EORS 66"  
 RCCP EORS 66" x 80" @ 0.63%  
 SKEW = 18° 18' 24" LT AHEAD @ L.T.  
 501+63.02, 30.10' RT (US)  
 US  $\uparrow$  ELEV 859.70  
 501+87.92, 45.86' LT (DS)  
 DS  $\uparrow$  ELEV 859.20  
 80 FOOT  
 20800150  
 TRENCH BACKFILL  
 45.9 CU YD

54213663  
 PRECAST REINF. CONC.  
 FLARED END SECTION 18"  
 501+41.63, 42.64' RT  
 INV ELEV 860.13  
 1 EACH

54214551  
 PRECAST REINFORCED CONCRETE  
 FLARED END SECTION EORS 66"  
 501+57.30, 37.15' RT  
 INV ELEV 859.75  
 1 EACH

THERMOPLASTIC PAVEMENT  
 MARKING LINE 4"  
 (YELLOW)  
 EX TRANSFORMER  
 AND METER BASE

54214551  
 PRECAST REINFORCED CONCRETE  
 FLARED END SECTION EORS 66"  
 501+89.05, 53.68' LT  
 INV ELEV 859.15  
 1 EACH

PROP. CURVE BRC1  
 P.I. STA. 501+55.30  
 $\Delta = 65^\circ 11' 23''$  (RT)  
 $D = 57^\circ 17' 45''$   
 $R = 100.00'$   
 $T = 63.94'$   
 $L = 113.78'$   
 $E = 18.69'$   
 $e = AS SHOWN IN XS$   
 $P.C. STA. 500+91.36$   
 $P.T. STA. 502+05.14$

54213663  
 PRECAST REINFORCED CONCRETE  
 FLARED END SECTION 18"  
 501+14.22, 34.28' LT  
 INV ELEV 864.97  
 1 EACH

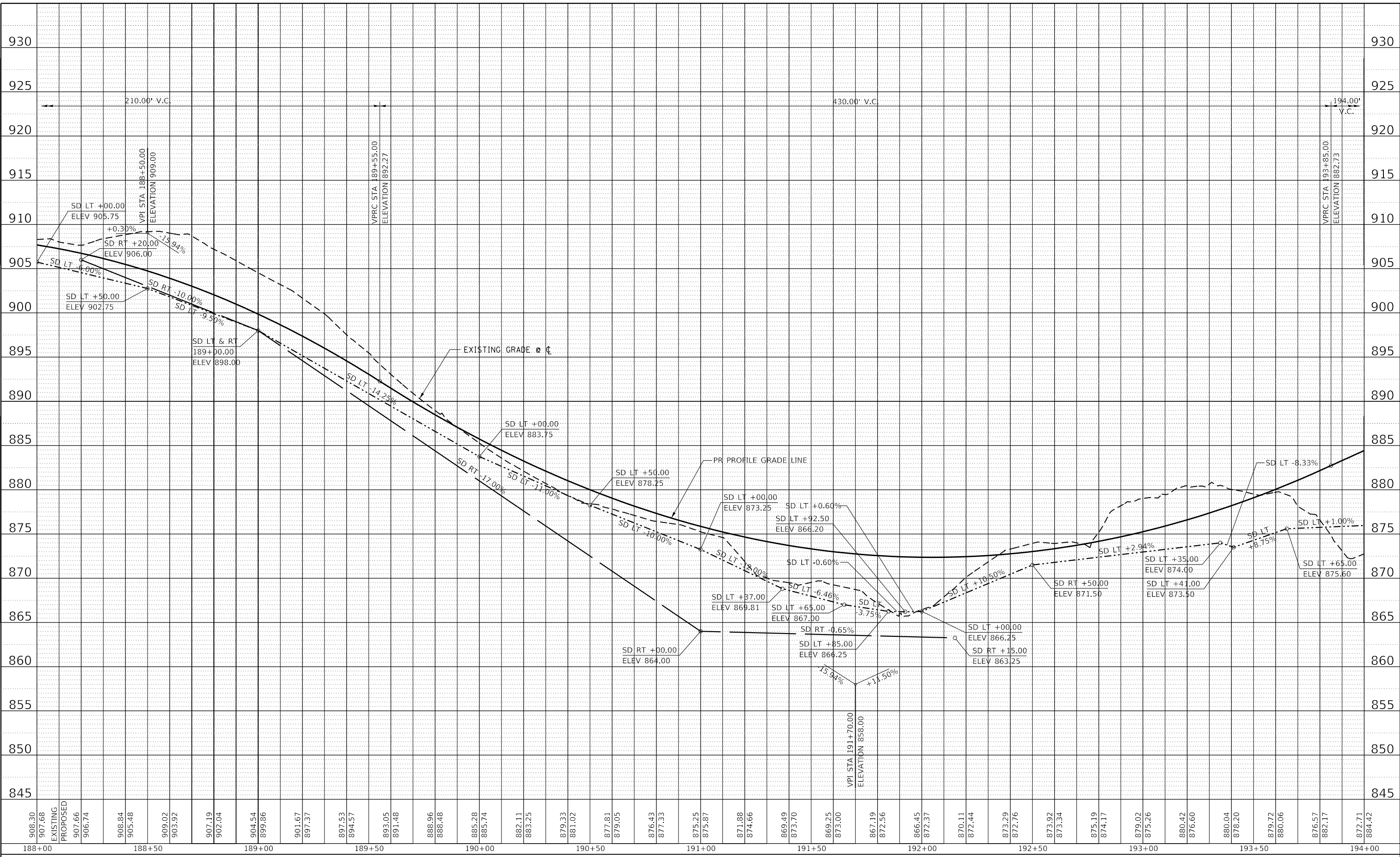
542A1063 - @ STA 501+21.00  
 PIPE CULVERTS, CLASS A, TYPE 2 18"  
 RCCP - 18" x 69" @ 6.00%  
 SKEW = 15° 00' 00" RT AHEAD @ L.T.  
 501+15.13, 28.32' LT (US)  
 US  $\uparrow$  ELEV 864.60  
 501+37.26, 37.15' RT (DS)  
 DS  $\uparrow$  ELEV 860.50  
 69 FOOT  
 20800150  
 TRENCH BACKFILL  
 35.7 CU YD

FILE NAME =	USER NAME = joeb	DESIGNED - J.E.B.	REVISED -	<b>STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION</b>	<b>MAIN PARK ROAD (PLAN) LAKE LE-AQUA-NA STATE PARK</b>	F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
C - Roadway Plan_Main Park Road.188+00.dgn		DRAWN - J.E.B.	REVISED -			LAKE LE-AQUA-NA 2018	STEPHENSON	308	101	
Default	PLOT SCALE = 40.0000' / in.	CHECKED - R.H.D.	REVISED -			CONTRACT NO. 46906		ILLINOIS FED. AID PROJECT		
	PLOT DATE = 9/23/2019	DATE - 8/28/19	REVISED -			SCALE: 1" = 20'		SHEET OF SHEETS STA. 188+00.00 TO STA. 194+00.00		

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

PROFILE	SURVEYED	BY	DATE
	PLOTTED		
	GRADES CHECKED		
	NOTE BOOK NO.		
	STRUCTURE NOTATION		

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USER NAME = joeb	DESIGNED - J.E.B.	REVISED -
	DRAWN - J.E.B.	REVISED -
PLOT SCALE = 40.0000' / in.	CHECKED - R.H.D.	REVISED -
PLOT DATE = 8/29/2019	DATE - 8/28/19	REVISED -

**STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION**

**MAIN PARK ROAD (PROFILE)  
 LAKE LE-AQUA-NA STATE PARK**

SCALE: 1"=20'H 1"=5'V SHEET OF SHEETS STA. 188+00.00 TO STA. 194+00.00

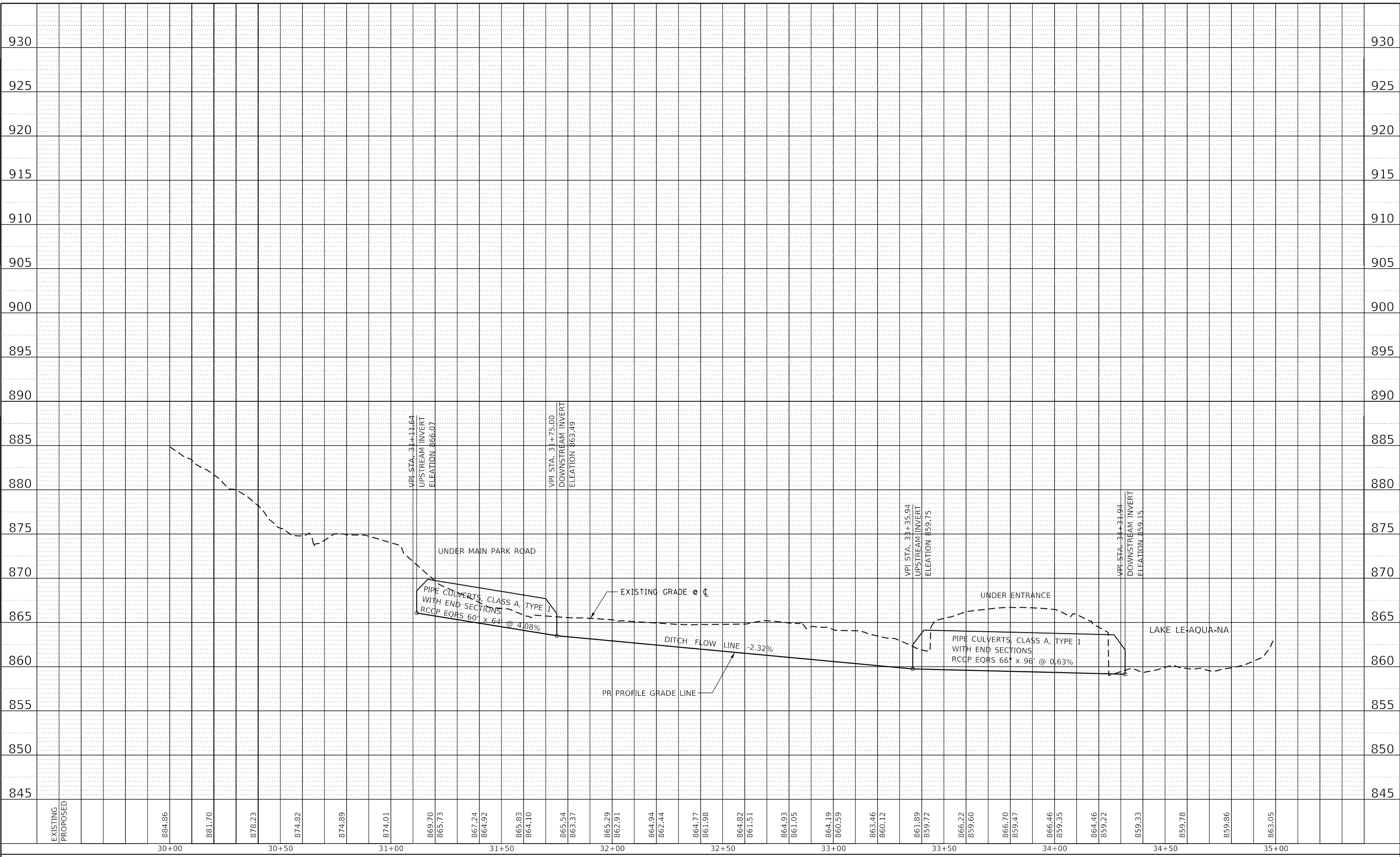
F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	LAKE LE-AQUA-NA 2018	STEPHENSON	308	102
CONTRACT NO. 46906				
ILLINOIS FED. AID PROJECT				



PLAN	SURVEYED	BY	DATE
	PLOTTED		
NOTE BOOK NO.	ALIGNMENT CHECKED		
	STRUCTURE NOTATION CHECKED		
	CAD FILE NAME		

PROFILE	SURVEYED	BY	DATE
	PLOTTED		
NOTE BOOK NO.	GRADES CHECKED		
	STRUCTURE NOTATION CHECKED		
	CAD FILE NAME		

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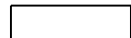
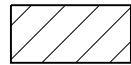
USER NAME = joeb	DESIGNED - J.E.B.	REVISED -
PLOT SCALE = 40.0000' / in.	DRAWN - J.E.B.	REVISED -
PLOT DATE = 8/29/2019	CHECKED - R.H.D.	REVISED -
	DATE - 8/28/19	REVISED -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**DITCH BETWEEN MAIN PARK ROAD & CONCESSIONS PARKING LOT  
(PROFILE)  
LAKE LE-AQUA-NA STATE PARK**

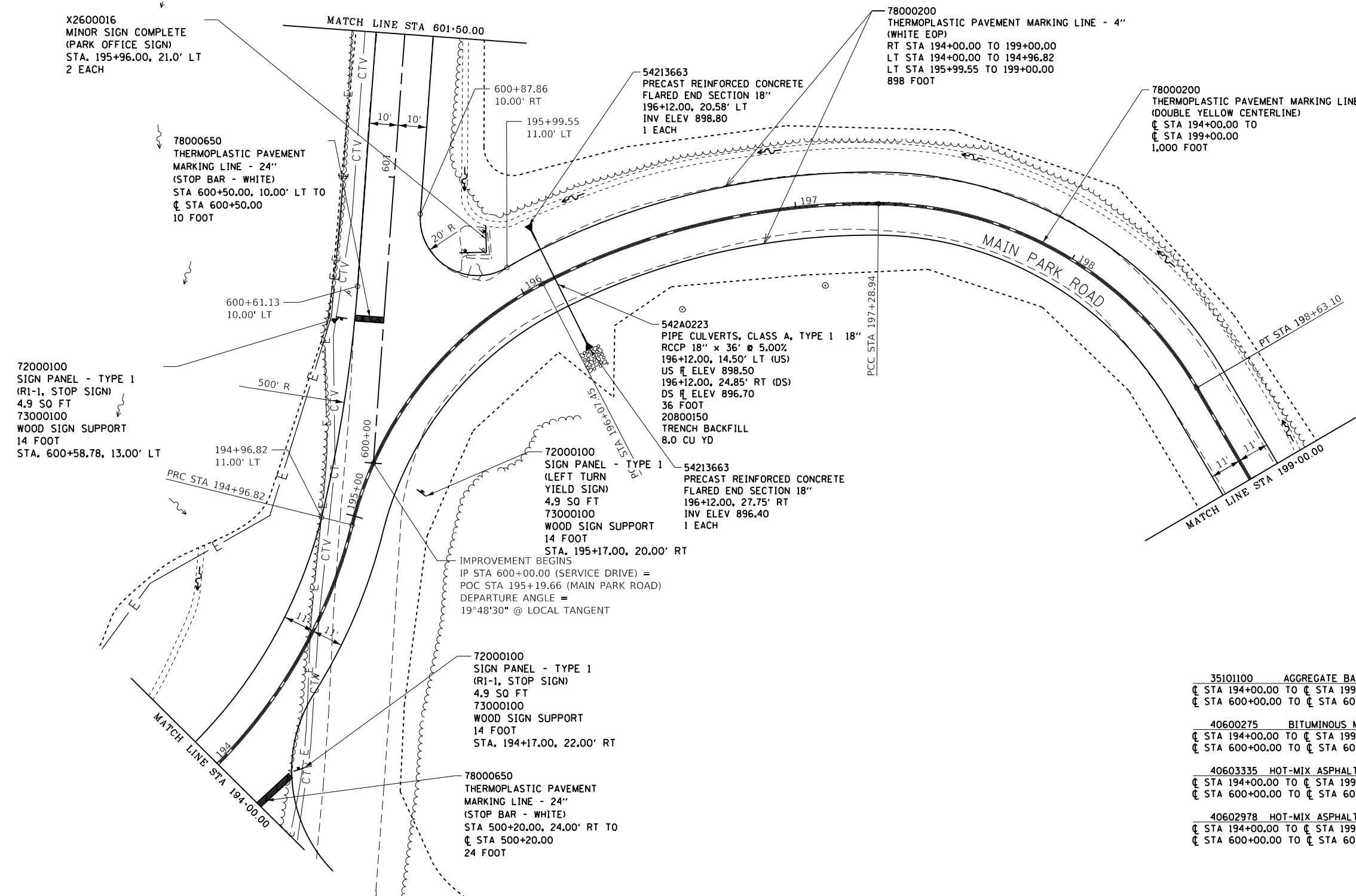
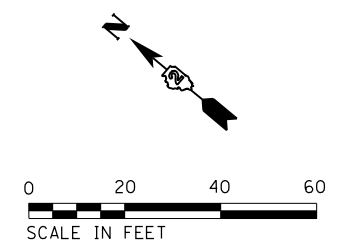
SCALE: 1"=20'H 1"=5'V SHEET OF SHEETS STA. 30+00.00 TO STA. 35+00.00

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	LAKE LE-AQUA-NA 2018	STEPHENSON	308	103
			CONTRACT NO. 46906	
			ILLINOIS FED. AID PROJECT	

-  - NEW HOT-MIX ASPHALT PAVEMENT
-  - NEW HOT-MIX ASPHALT PARKING LOT OVERLAY

NOTE:  
SEE ALIGNMENTS SHEET FOR PROPOSED CENTERLINE  
STATIONING AND ALIGNMENT INFORMATION.

PROP. CURVE MAINROAD41 P.I. STA. 194+19.22 Δ = 53° 43' 02" (LT) D = 31° 49' 52" R = 180.00' T = 91.16' L = 168.76' E = 21.77' e = N.C. * P.R.C. STA. 193+28.07 P.R.C. STA. 194+96.82 * DUE TO STEEP ENTRANCE GRADE, RETAIN NORMAL CROWN THRU THIS CURVE.	PROP. CURVE MAINROAD42 P.I. STA. 195+55.73 Δ = 48° 45' 19" (RT) D = 44° 04' 25" R = 130.00' T = 58.91' L = 110.62' E = 12.72' e = R.C. ** T.R. = 25' ** S.E. RUN = 25' ** P.C. STA. 194+96.82 P.T. STA. 196+07.45 ** ATTAIN S.E. LEFT SIDE OF PAVEMENT FROM NORMAL CROWN @ STA 194+72 TO REMOVE CROWN @ STA 195+22. HOLD +2% LEFT SIDE TO STA 201+42. REMOVE S.E. LEFT STA 201+42 TO NORMAL CROWN @ STA 201+92.	PROP. CURVE MAINROAD43 P.I. STA. 196+69.42 Δ = 27° 50' 38" (RT) D = 22° 55' 06" R = 250.00' T = 61.97' L = 121.49' E = 7.57' e = 2% ** T.R. = N/A ** S.E. RUN = N/A ** P.C. STA. 196+07.45 P.T. STA. 197+28.94	PROP. CURVE MAINROAD44 P.I. STA. 198+02.68 Δ = 59° 07' 46" (RT) D = 44° 04' 25" R = 130.00' T = 73.74' L = 134.16' E = 19.46' e = 2% ** T.R. = N/A ** S.E. RUN = N/A ** P.C. STA. 197+28.94 P.T. STA. 198+63.10
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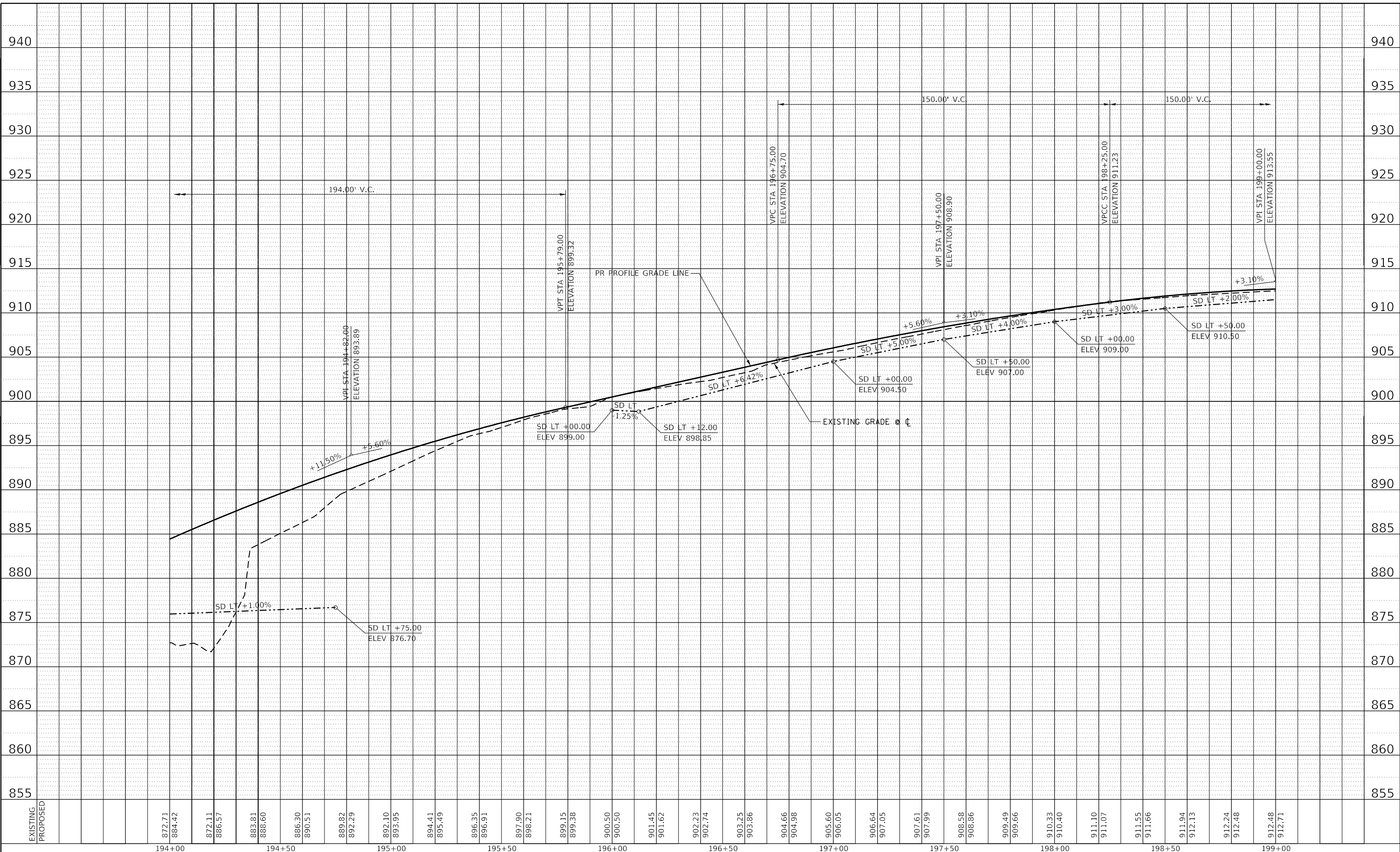


35101100	AGGREGATE BASE COURSE, TYPE A 12"	
CL STA 194+00.00 TO CL STA 199+00.00		1,277.8 SQ YD
CL STA 600+00.00 TO CL STA 601+50.00		348.2 SQ YD
40600275	BITUMINOUS MATERIALS (PRIME COAT)	
CL STA 194+00.00 TO CL STA 199+00.00		2,875.0 POUND
CL STA 600+00.00 TO CL STA 601+50.00		783.4 POUND
40603335	HOT-MIX ASPHALT SURFACE COURSE, MIX "D", N50	
CL STA 194+00.00 TO CL STA 199+00.00		103.3 TON
CL STA 600+00.00 TO CL STA 601+50.00		28 TON
40602978	HOT-MIX ASPHALT BINDER COURSE, IL-9.5FG, N50	
CL STA 194+00.00 TO CL STA 199+00.00		174.7 TON
CL STA 600+00.00 TO CL STA 601+50.00		47.6 TON

PLAN	SURVEYED	BY	DATE
	PLOTTED		
	ALIGNED		
	CHECKED		
	NO.		

PROFILE	SURVEYED	BY	DATE
	PLOTTED		
	GRADES		
	CHECKED		
	NO.		

MODEL: Default  
FILE NAME: S:\CAD Drawings\CAD Drawings\2025\141125\1411 Le Aqua NaC - Streets\_Plan+Profile\C - Roadway\_Profile.dwg 194+00.dgn



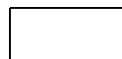
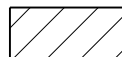
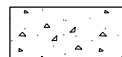
EXISTING	872.71	872.11	883.81	886.30	889.82	892.10	894.41	896.35	897.90	899.15	900.50	901.45	902.23	903.25	904.66	905.60	906.64	907.61	908.58	909.49	910.33	911.10	911.07	911.55	911.94	912.24	912.48	912.48
PROPOSED	884.42	886.57	888.60	890.51	892.29	893.95	895.49	896.91	898.21	899.38	900.50	901.62	902.74	903.86	904.98	906.05	907.05	907.99	908.86	909.66	910.40	911.10	911.07	911.66	912.13	912.48	912.71	
	194+00	194+50	195+00	195+50	196+00	196+50	197+00	197+50	198+00	198+50	199+00																	

USER NAME	= joeb	DESIGNED	- J.E.B.	REVISED	-
DRAWN	- J.E.B.	REVISIONS			
PLOT SCALE	= 40,0000 ' / in.	CHECKED	- R.H.D.	REVISED	-
PLOT DATE	= 8/29/2019	DATE	- 8/28/19	REVISED	-

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

<b>MAIN PARK ROAD (PROFILE)</b>		
<b>LAKE LE-AQUA-NA STATE PARK</b>		
SCALE: 1"=20'H	1"=5'V	SHEET OF SHEETS
STA. 194+00.00	TO STA. 199+00.00	

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	LAKE LE-AQUA-NA 2018	STEPHENSON	308	105
CONTRACT NO. 46906				
ILLINOIS FED. AID PROJECT				

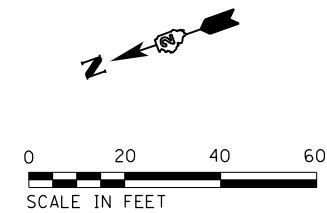
-  - NEW HOT-MIX ASPHALT PAVEMENT
-  - NEW HOT-MIX ASPHALT PARKING LOT OVERLAY
-  - NEW PCC SIDEWALK 5"

PROP. CURVE MAINROAD45  
 P.I. STA. 203+06.44  
 $\Delta = 91^\circ 53' 16''$  (LT)  
 $D = 42^\circ 26' 29''$   
 $R = 135.00'$   
 $T = 139.52'$   
 $L = 216.51'$   
 $E = 59.14'$   
 $e = R.C. *$   
 $T.R. = 25' *$   
 $S.E. RUN = 25' *$   
 P.C. STA. 201+66.91  
 P.T. STA. 203+83.42

PROP. CURVE MAINROAD46  
 P.I. STA. 204+05.61  
 $\Delta = 8^\circ 27' 44''$  (LT)  
 $D = 19^\circ 05' 55''$   
 $R = 300.00'$   
 $T = 22.19'$   
 $L = 44.31'$   
 $E = 0.82'$   
 $e = R.C. *$   
 $T.R. = 25' *$   
 $S.E. RUN = 25' *$   
 P.C. STA. 203+83.42  
 P.T. STA. 204+27.73

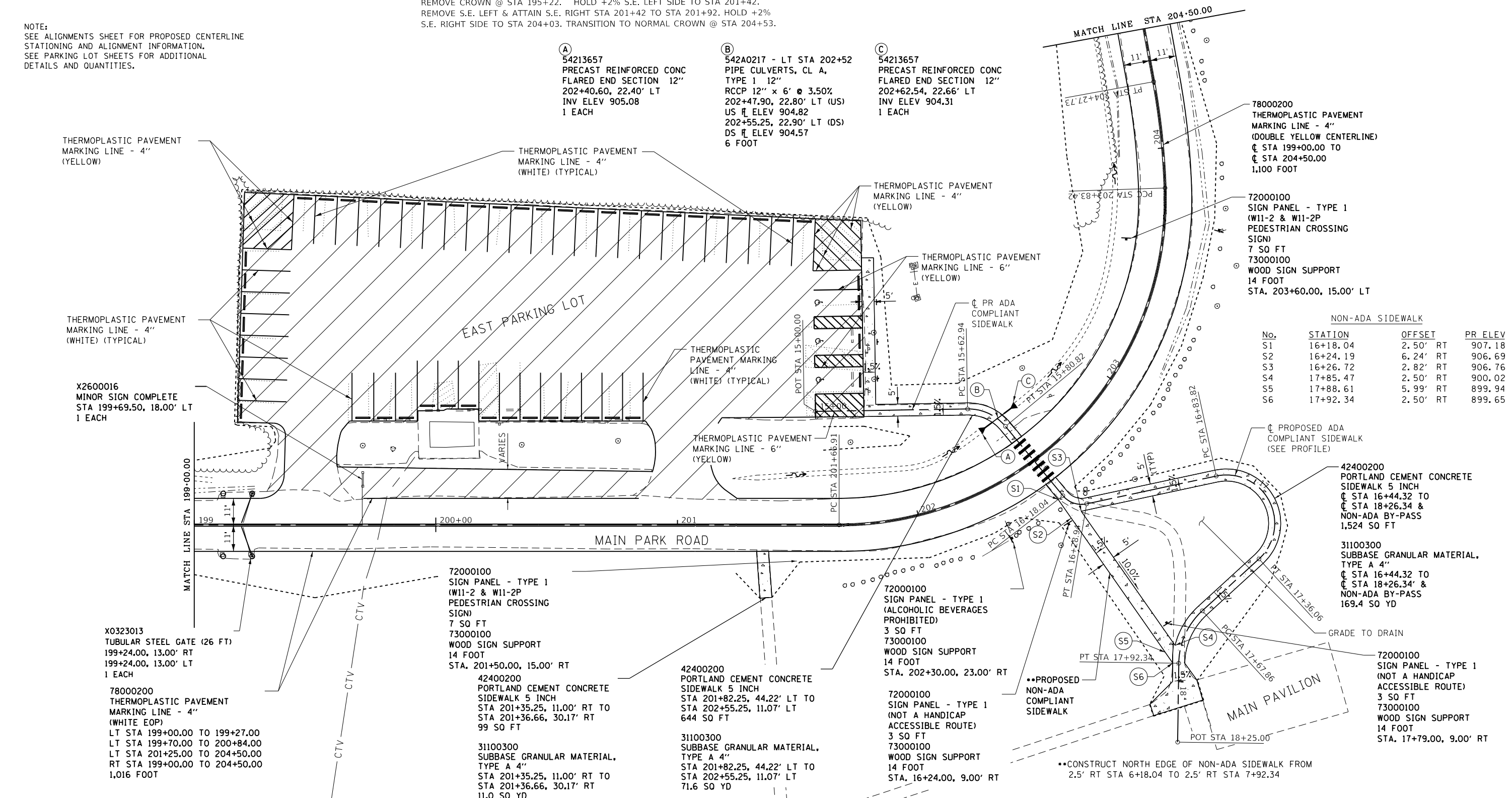
\* ATTAIN S.E. LEFT SIDE OF PAVEMENT FROM NORMAL CROWN @ STA 194+72 TO REMOVE CROWN @ STA 195+22. HOLD +2% S.E. LEFT SIDE TO STA 201+42. REMOVE S.E. LEFT & ATTAIN S.E. RIGHT STA 201+42 TO STA 201+92. HOLD +2% S.E. RIGHT SIDE TO STA 204+03. TRANSITION TO NORMAL CROWN @ STA 204+53.

35101100	AGGREGATE BASE COURSE, TYPE A 12"	
☐ STA 199+00.00 TO ☐ STA 204+50.00		1,405.6 SQ YD
40600275	BITUMINOUS MATERIALS (PRIME COAT)	
☐ STA 199+00.00 TO ☐ STA 204+50.00		3,162.5 POUND
40603335	HOT-MIX ASPHALT SURFACE COURSE, MIX "D", N50	
☐ STA 199+00.00 TO ☐ STA 204+50.00		113.6 TON
40602978	HOT-MIX ASPHALT BINDER COURSE, IL-9.5FC, N50	
☐ STA 199+00.00 TO ☐ STA 204+50.00		192.2 TON



NOTE:  
 SEE ALIGNMENTS SHEET FOR PROPOSED CENTERLINE STATIONING AND ALIGNMENT INFORMATION.  
 SEE PARKING LOT SHEETS FOR ADDITIONAL DETAILS AND QUANTITIES.

- (A) 54213657  
 PRECAST REINFORCED CONC  
 FLARED END SECTION 12"  
 202+40.60, 22.40' LT  
 INV ELEV 905.08  
 1 EACH
- (B) 542A0217 - LT STA 202+52  
 PIPE CULVERTS, CL A,  
 TYPE 1 12"  
 RCCP 12" x 6' @ 3.50%  
 202+47.90, 22.80' LT (US)  
 US # ELEV 904.82  
 202+55.25, 22.90' LT (DS)  
 DS # ELEV 904.57  
 6 FOOT
- (C) 54213657  
 PRECAST REINFORCED CONC  
 FLARED END SECTION 12"  
 202+62.54, 22.66' LT  
 INV ELEV 904.31  
 1 EACH

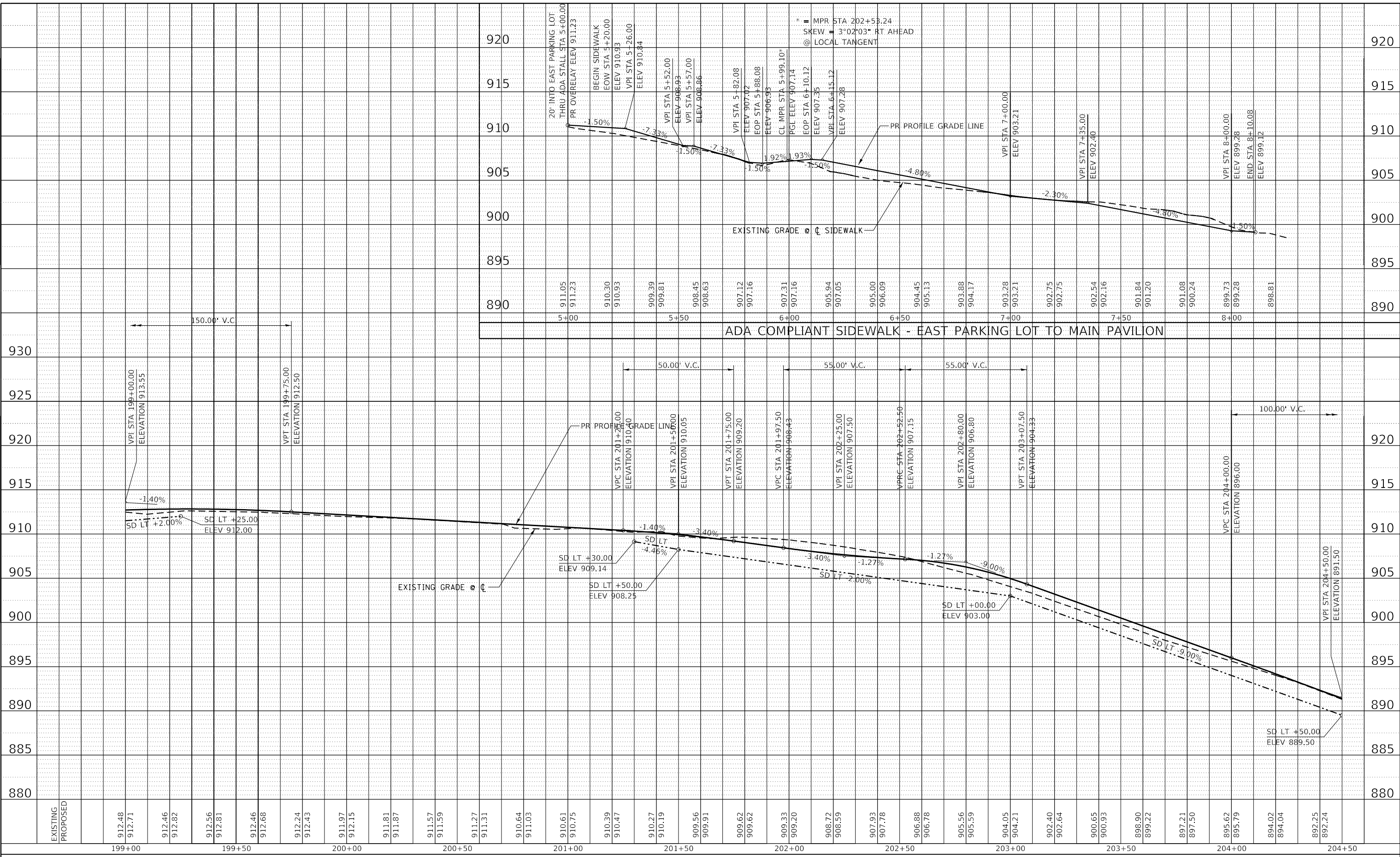


NON-ADA SIDEWALK			
No.	STATION	OFFSET	PR ELEV
S1	16+18.04	2.50' RT	907.18
S2	16+24.19	6.24' RT	906.69
S3	16+26.72	2.82' RT	906.76
S4	17+85.47	2.50' RT	900.02
S5	17+88.61	5.99' RT	899.94
S6	17+92.34	2.50' RT	899.65

PLAN	SURVEYED	BY	DATE
	PLOTTED		
PROFILE	ALIGNED		
	CHECKED		
NOTE BOOK NO.		C/CAD FILE NAME	

PROFILE	SURVEYED	BY	DATE
	PLOTTED		
GRADE	CHECKED		
	STRUCTURE		
NOTE BOOK NO.		C/CAD FILE NAME	

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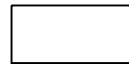
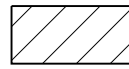


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PLOT SCALE = 40.0000' / in.	DRAWN - J.E.B.	REVISED -
PLOT DATE = 8/29/2019	CHECKED - R.H.D.	REVISED -
	DATE - 8/28/19	REVISED -

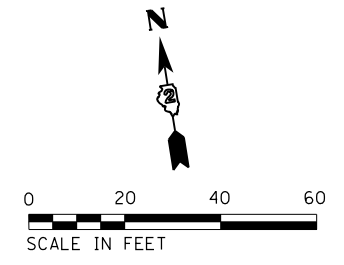
**STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION**

<b>MAIN PARK ROAD (PROFILE)</b>	
<b>LAKE LE-AQUA-NA STATE PARK</b>	
SCALE: 1"=20'H 1"=5'V	SHEET OF SHEETS STA. 199+00.00 TO STA. 204+50.00

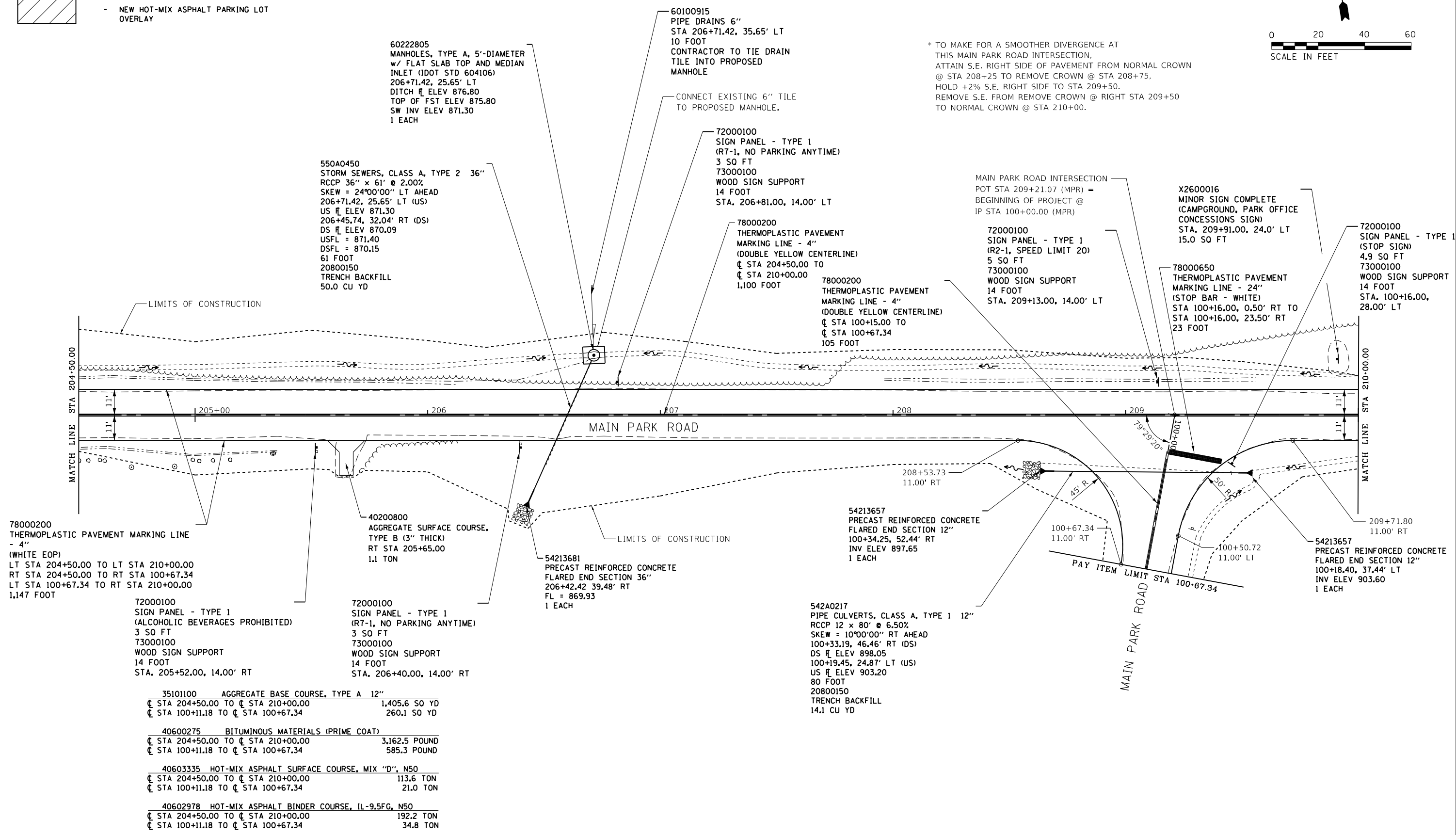
F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	LAKE LE-AQUA-NA 2018	STEPHENSON	308	107
		CONTRACT NO. 46906		
		ILLINOIS FED. AID PROJECT		

-  - NEW HOT-MIX ASPHALT PAVEMENT
-  - NEW HOT-MIX ASPHALT PARKING LOT OVERLAY

NOTE:  
SEE ALIGNMENTS SHEET FOR PROPOSED CENTERLINE  
STATIONING AND ALIGNMENT INFORMATION.



\* TO MAKE FOR A SMOOTHER DIVERGENCE AT THIS MAIN PARK ROAD INTERSECTION, ATTAIN S.E. RIGHT SIDE OF PAVEMENT FROM NORMAL CROWN @ STA 208+25 TO REMOVE CROWN @ STA 208+75, HOLD +2% S.E. RIGHT SIDE TO STA 209+50, REMOVE S.E. FROM REMOVE CROWN @ RIGHT STA 209+50 TO NORMAL CROWN @ STA 210+00.



78000200 THERMOPLASTIC PAVEMENT MARKING LINE - 4" (WHITE EOP)  
LT STA 204+50.00 TO LT STA 210+00.00  
RT STA 204+50.00 TO RT STA 100+67.34  
LT STA 100+67.34 TO RT STA 210+00.00  
1,147 FOOT

72000100 SIGN PANEL - TYPE 1 (ALCOHOLIC BEVERAGES PROHIBITED)  
3 SO FT  
73000100 WOOD SIGN SUPPORT  
14 FOOT  
STA. 205+52.00, 14.00' RT

72000100 SIGN PANEL - TYPE 1 (R7-1, NO PARKING ANYTIME)  
3 SO FT  
73000100 WOOD SIGN SUPPORT  
14 FOOT  
STA. 206+40.00, 14.00' RT

35101100	AGGREGATE BASE COURSE, TYPE A 12"	
	☐ STA 204+50.00 TO ☐ STA 210+00.00	1,405.6 SO YD
	☐ STA 100+11.18 TO ☐ STA 100+67.34	260.1 SO YD
40600275	BITUMINOUS MATERIALS (PRIME COAT)	
	☐ STA 204+50.00 TO ☐ STA 210+00.00	3,162.5 POUND
	☐ STA 100+11.18 TO ☐ STA 100+67.34	585.3 POUND
40603335	HOT-MIX ASPHALT SURFACE COURSE, MIX "D", N50	
	☐ STA 204+50.00 TO ☐ STA 210+00.00	113.6 TON
	☐ STA 100+11.18 TO ☐ STA 100+67.34	21.0 TON
40602978	HOT-MIX ASPHALT BINDER COURSE, IL-9.5FG, N50	
	☐ STA 204+50.00 TO ☐ STA 210+00.00	192.2 TON
	☐ STA 100+11.18 TO ☐ STA 100+67.34	34.8 TON

FILE NAME =	USER NAME = joeb	DESIGNED - J.E.B.	REVISED -
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Default	PLOT SCALE = 48.0000' / in.	CHECKED - R.H.D.	REVISED -
	PLOT DATE = 9/3/2019	DATE - 8/28/19	REVISED -

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

MAIN PARK ROAD (PLAN)		F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
LAKE LE-AQUA-NA STATE PARK			LAKE LE-AQUA-NA 2018	STEPHENSON	308	108
SCALE: 1" = 20'		SHEET	OF	SHEETS	STA. 204+50.00	TO STA. 210+00.00

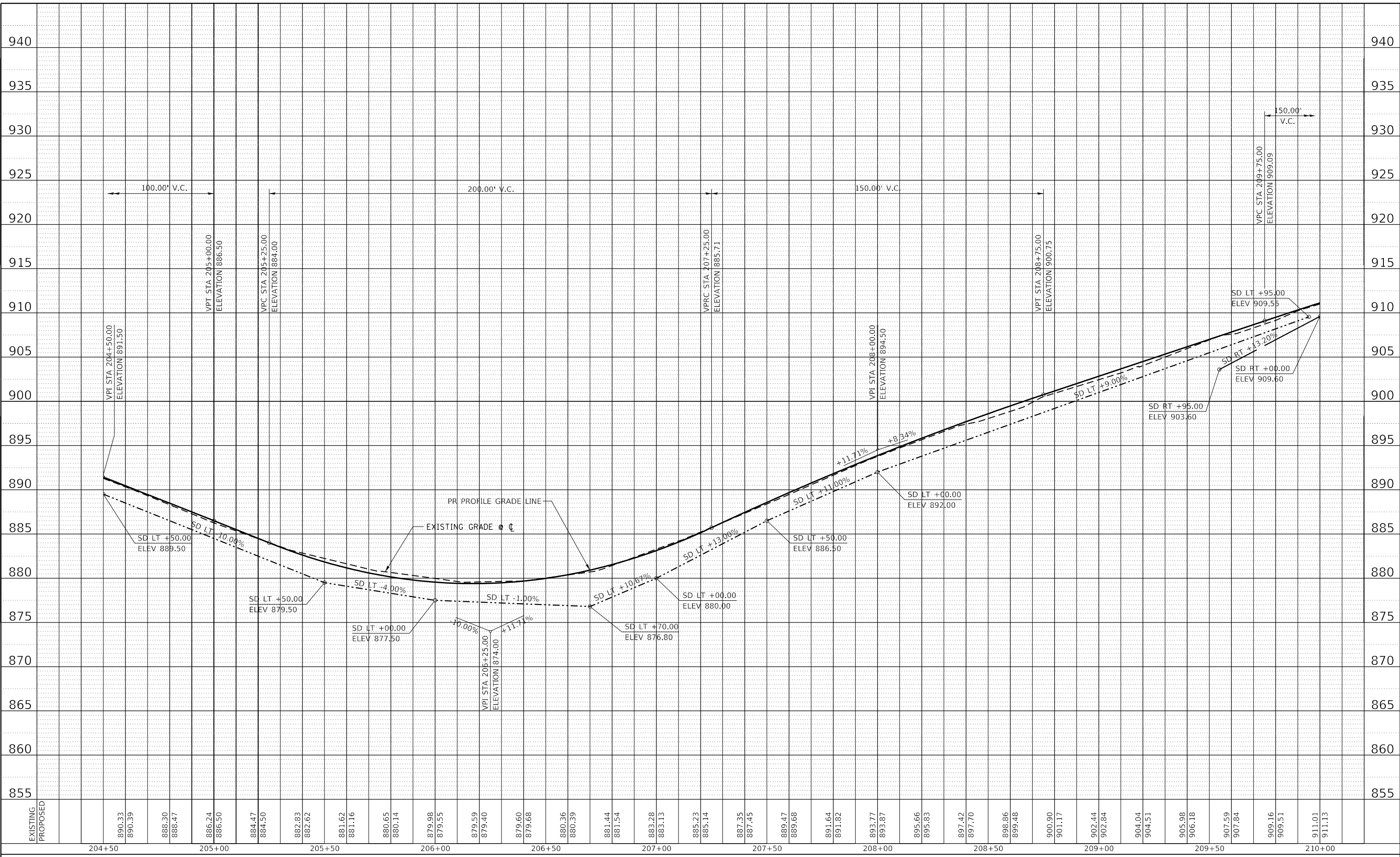
CONTRACT NO. 46906		ILLINOIS FED. AID PROJECT	
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PLAN	SURVEYED	BY	DATE
	PLOTTED		
	ALIGNED		
	CHECKED		
	NO.		
	FILE NAME		

PROFILE	SURVEYED	BY	DATE
	PLOTTED		
	GRADES		
	CHECKED		
	NO.		
	FILE NAME		

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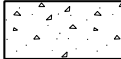
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PLOT SCALE = 40.0000' / in.	CHECKED - R.H.D.	REVISED -
PLOT DATE = 8/29/2019	DATE - 8/28/19	REVISED -

**STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION**

**MAIN PARK ROAD (PROFILE)  
 LAKE LE-AQUA-NA STATE PARK**

SCALE: 1"=20'H 1"=5'V SHEET OF SHEETS STA. 204+50.00 TO STA. 210+00.00

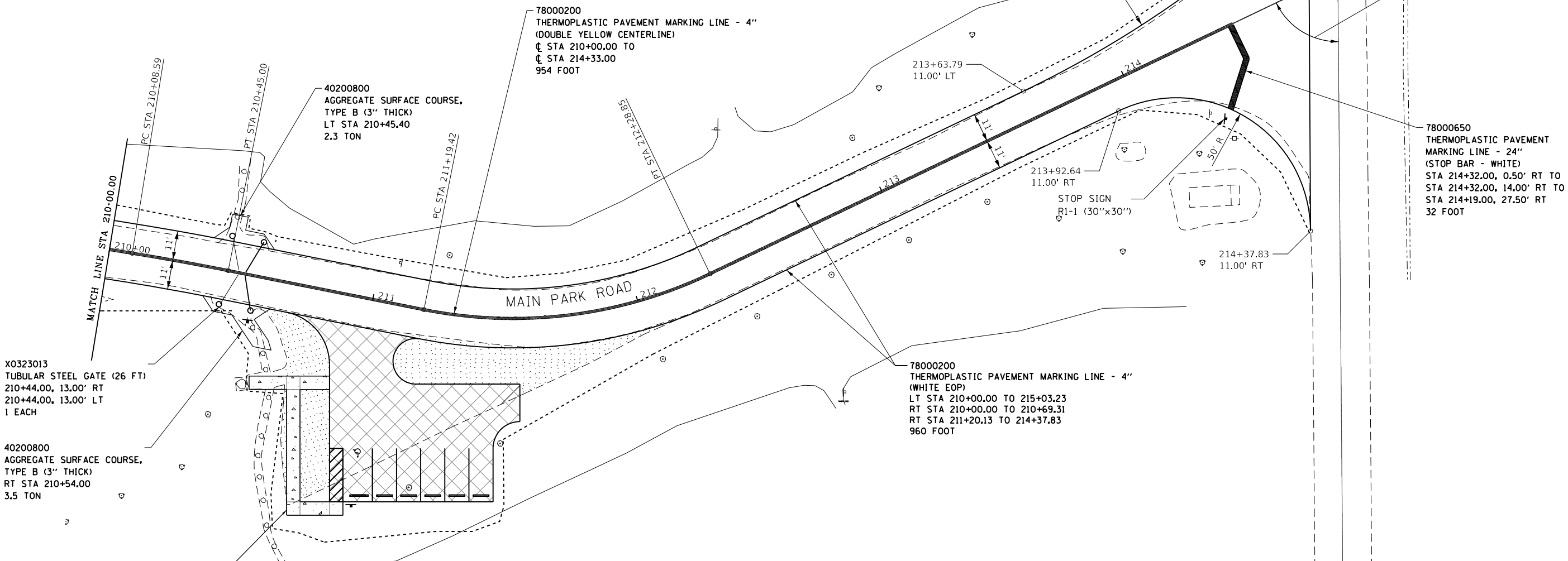
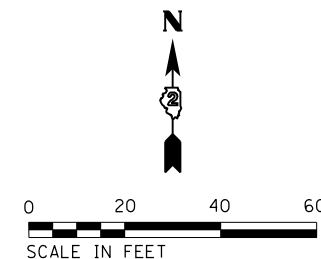
F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	LAKE LE-AQUA-NA 2018	STEPHENSON	308	109
				CONTRACT NO. 46906
ILLINOIS FED. AID PROJECT				

-  - NEW HOT-MIX ASPHALT PAVEMENT
-  - NEW HOT-MIX ASPHALT PARKING LOT
-  - NEW PCC SIDEWALK, 5 INCH

PROP. CURVE MAINROAD47  
P.I. STA. 210+26.80  
 $\Delta = 2^\circ 05' 09''$  (RT)  
 $D = 5^\circ 43' 46''$   
 $R = 1,000.00'$   
 $T = 18.20'$   
 $L = 36.41'$   
 $E = 0.17'$   
 $e = \text{N.C.}$   
P.C. STA. 210+08.59  
P.T. STA. 210+45.00

PROP. CURVE MAINROAD48  
P.I. STA. 211+76.11  
 $\Delta = 36^\circ 53' 04''$  (LT)  
 $D = 33^\circ 42' 12''$   
 $R = 170.00'$   
 $T = 56.69'$   
 $L = 109.44'$   
 $E = 9.20'$   
 $e = \text{R.C.}$   
 $T.R. = 25'$   
S.E. RUN = 25'  
P.C. STA. 211+19.42  
P.T. STA. 212+28.85

NOTE:  
SEE ALIGNMENTS SHEET FOR PROPOSED CENTERLINE  
STATIONING AND ALIGNMENT INFORMATION.  
SEE PARKING LOT SHEETS FOR ADDITIONAL  
DETAILS AND QUANTITIES.



X0323013  
TUBULAR STEEL GATE (26 FT)  
210+44.00, 13.00' RT  
210+44.00, 13.00' LT  
1 EACH

40200800  
AGGREGATE SURFACE COURSE,  
TYPE B (3" THICK)  
RT STA 210+54.00  
3.5 TON

PORTLAND CEMENT CONCRETE  
SIDEWALK 5 INCH

35101100 AGGREGATE BASE COURSE, TYPE A 12"  
 $\text{CL STA } 210+00.00 \text{ TO } \text{CL STA } 214+88.55$  1,263.2 SQ YD

40600275 BITUMINOUS MATERIALS (PRIME COAT)  
 $\text{CL STA } 210+00.00 \text{ TO } \text{CL STA } 214+88.55$  2,842.1 POUND

40603335 HOT-MIX ASPHALT SURFACE COURSE, MIX "D", N50  
 $\text{CL STA } 210+00.00 \text{ TO } \text{CL STA } 214+88.55$  102.1 TON

40602978 HOT-MIX ASPHALT BINDER COURSE, IL-9.5FG, N50  
 $\text{CL STA } 210+00.00 \text{ TO } \text{CL STA } 214+88.55$  170.6 TON

72000100 SIGN PANEL - TYPE 1  
STA 210+56.00, 17.00' RT (ALL PETS MUST BE ON A LEASH) 1.5 SQ FT  
STA 214+18.00, 30.00' RT (R1-1, STOP SIGN) 4.9 SQ FT  
STA 214+58.00, 35.00' LT (CAMPGROUND HOST SIGN) 9.0 SQ FT

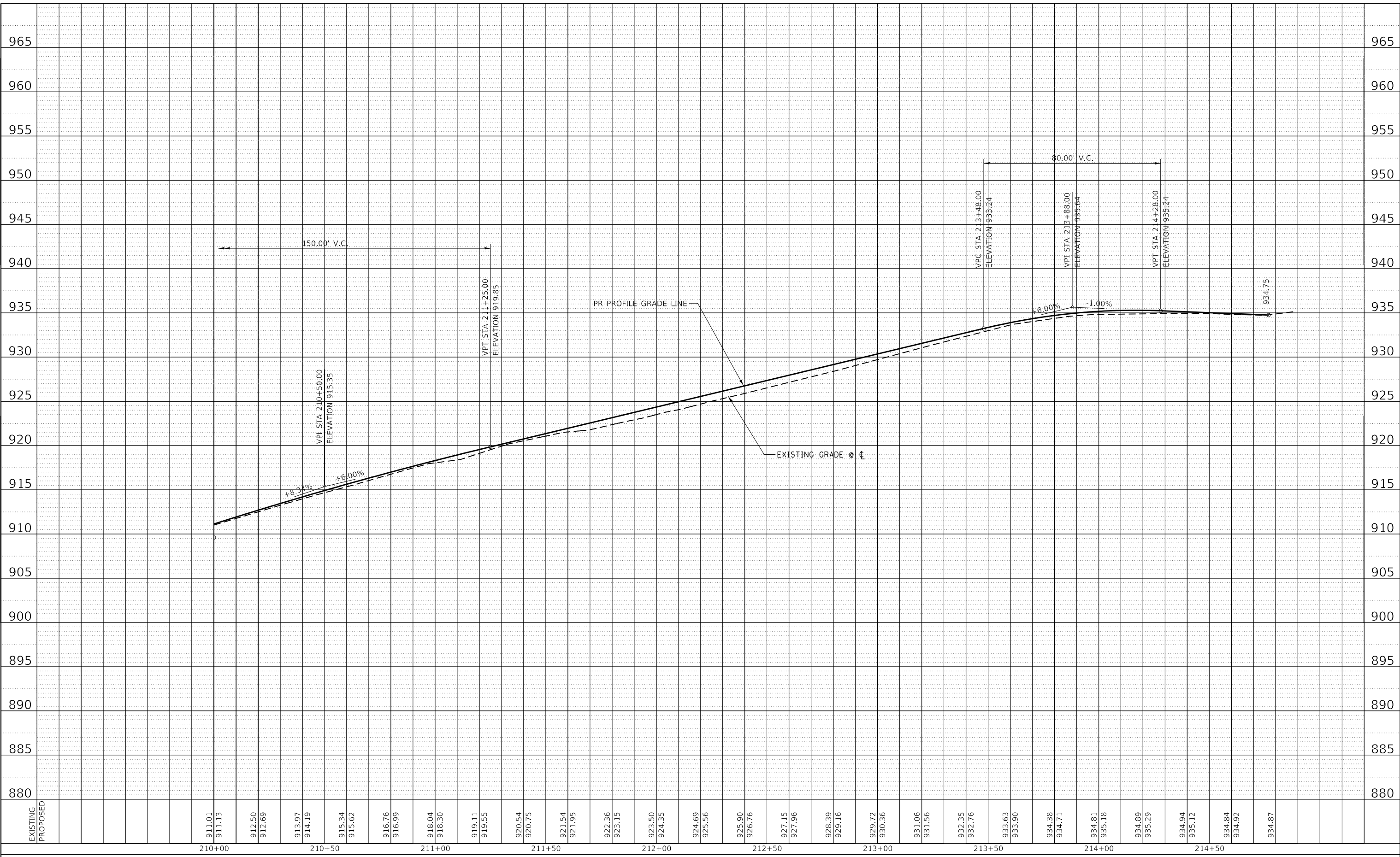
73000100 WOOD SIGN SUPPORT  
STA 210+56.00, 17.00' RT 14 FOOT  
STA 214+18.00, 30.00' RT 14 FOOT  
STA 214+58.00, 35.00' LT 14 FOOT

FILE NAME =	USER NAME = joeb	DESIGNED - J.E.B.	REVISED -	<b>STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION</b>	<b>MAIN PARK ROAD (PLAN) LAKE LE-AQUA-NA STATE PARK</b>		F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
C - Roadway Plan_Main Park Road..210+00.dgn		DRAWN - J.E.B.	REVISED -		SCALE: 1" = 20'	SHEET	OF	SHEETS	STA. 210+00.00 TO STA. 214+69.80	ILLINOIS	FED. AID PROJECT
Default	PLOT SCALE = 40.0000' / in.	CHECKED - R.H.D.	REVISED -							CONTRACT NO. 46906	
	PLOT DATE = 9/3/2019	DATE - 8/28/19	REVISED -								

PLAN	SURVEYED	BY	DATE
	PLOTTED		
NOTE BOOK NO.	ALIGNMENT CHECKED		
	STRUCTURE NOTATION		
	CAD FILE NAME		

PROFILE	SURVEYED	BY	DATE
	PLOTTED		
NOTE BOOK NO.	GRADES CHECKED		
	STRUCTURE NOTATION		

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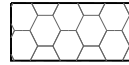


USER NAME = joeb	DESIGNED - J.E.B.	REVISED -
	DRAWN - J.E.B.	REVISED -
PLOT SCALE = 40.0000' / in.	CHECKED - R.H.D.	REVISED -
PLOT DATE = 8/29/2019	DATE - 8/28/19	REVISED -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

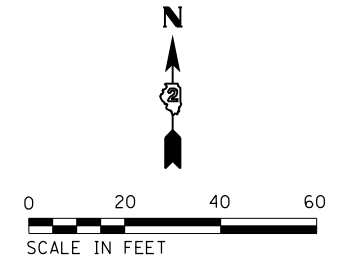
<b>MAIN PARK ROAD (PROFILE) LAKE LE-AQUA-NA STATE PARK</b>			
SCALE: 1"=20'H	SHEET	OF	SHEETS
STA. 210+00.00		TO STA. 215+00.00	

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	LAKE LE-AQUA-NA 2018	STEPHENSON	308	111
CONTRACT NO. 46906				
ILLINOIS FED. AID PROJECT				

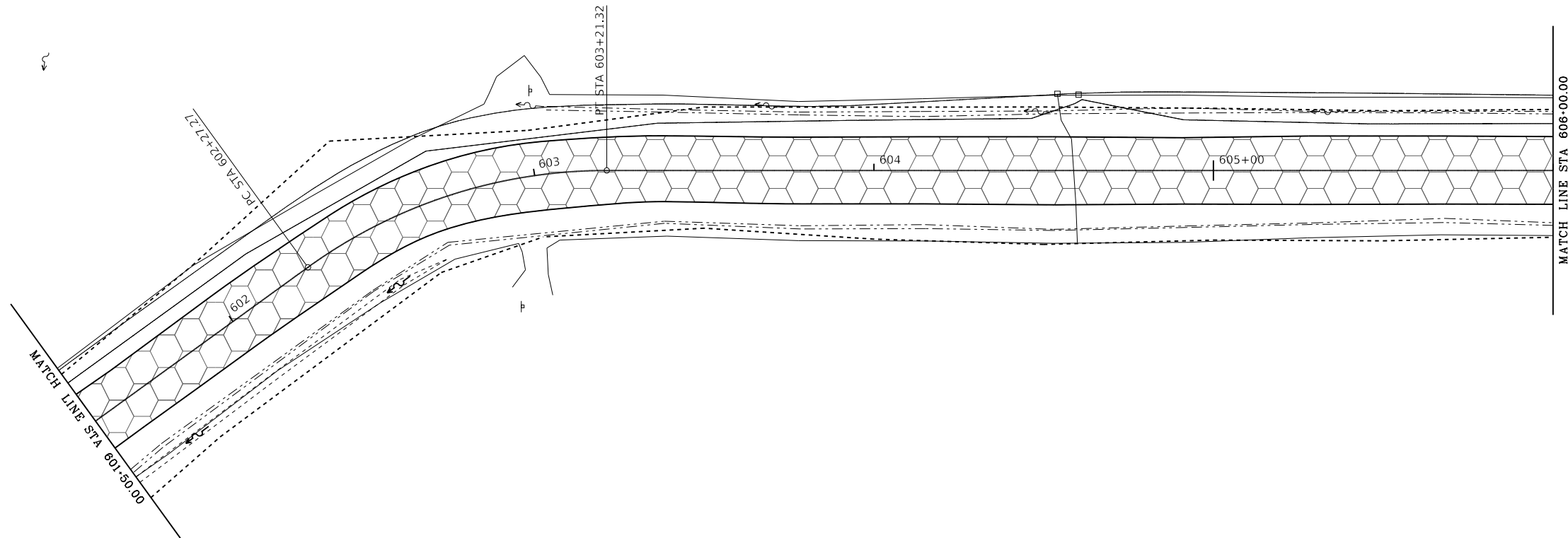


- HOT-MIX ASPHALT RESURFACING  
(OVERLAY AS SHOWN IN X-SECTIONS)

NOTE:  
SEE ALIGNMENTS SHEET FOR PROPOSED CENTERLINE  
STATIONING AND ALIGNMENT INFORMATION.



PR CURVE SD-1  
P.I. STA. 602+75.90  
 $\Delta = 38^\circ 55' 33''$  (RT)  
D =  $38^\circ 11' 50''$   
R = 150.00'  
T = 48.63'  
L = 94.05'  
E = 7.69'  
e = N.C.  
P.C. STA. 602+27.27  
P.T. STA. 603+21.32



40600290	BITUMINOUS MATERIALS (TACK COAT)	
± STA 601+50.00 TO ± STA 606+00.00		453.2 POUND
40600627	LEVELING BINDER (MACHINE METHOD), IL-9,5FG, N50	
± STA 601+50.00 TO ± STA 606+00.00		84.6 TON
40603335	HOT-MIX ASPHALT SURFACE COURSE, MIX "D", N50	
± STA 601+50.00 TO ± STA 606+00.00		83.4

FILE NAME =	USER NAME = joeb	DESIGNED - J.E.B.	REVISED -
C - Roadway Plan_Service Drive_601+50.dgn		DRAWN - J.E.B.	REVISED -
Default	PLOT SCALE = 40.0000' / in.	CHECKED - R.H.D.	REVISED -
	PLOT DATE = 8/29/2019	DATE - 8/28/19	REVISED -

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

PARK OFFICE SERVICE DRIVE (PLAN)  
LAKE LE-AQUA-NA STATE PARK

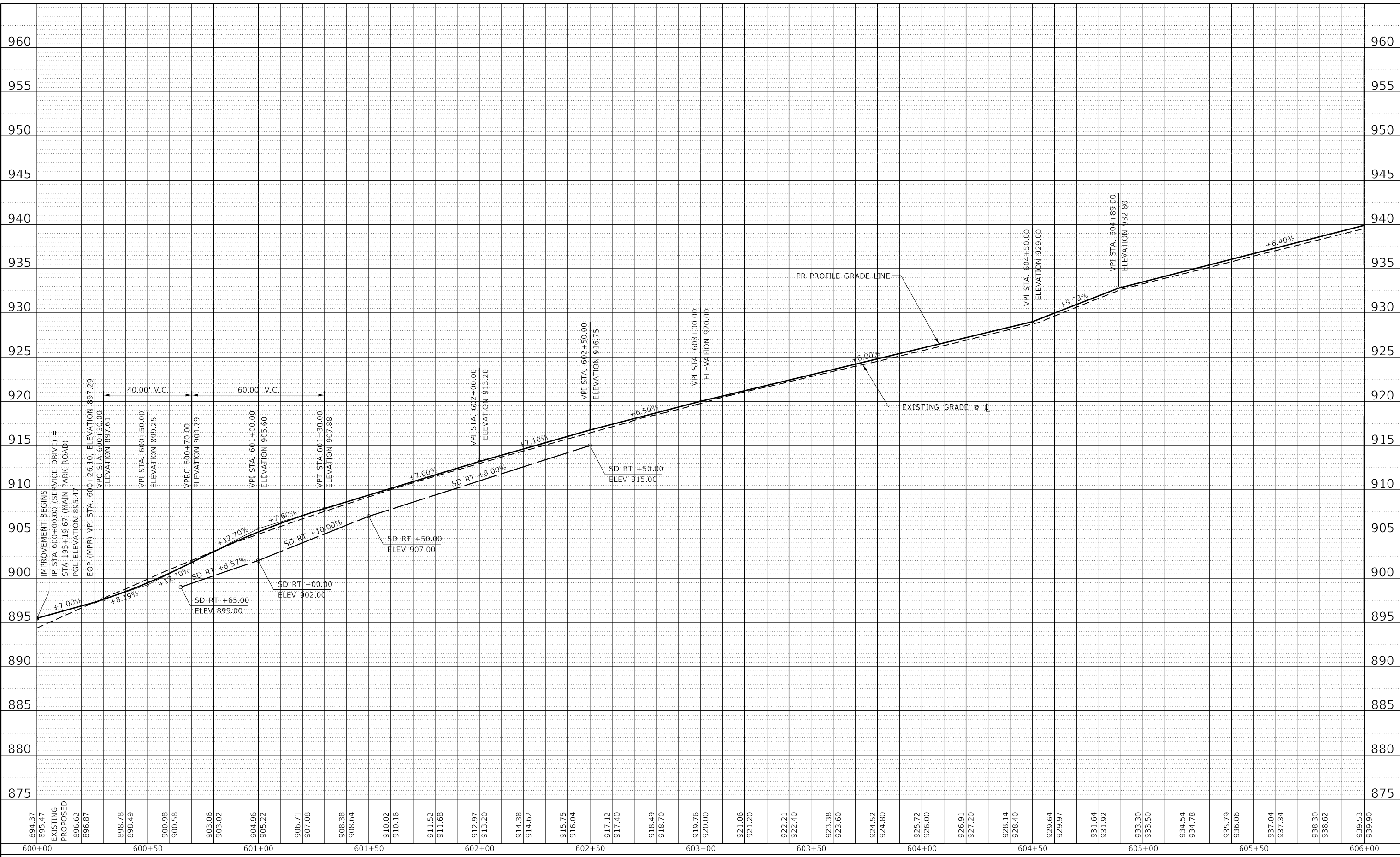
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F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	LAKE LE-AQUA-NA 2018	STEPHENSON	308	112
			CONTRACT NO. 46906	
ILLINOIS FED. AID PROJECT				

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

PROFILE	SURVEYED	BY	DATE
	GRADES CHECKED		
	STRUCTURE NOTATIONS CHECKED		
	NOTE BOOK NO.		
	CADD FILE NAME		

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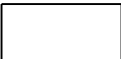
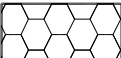

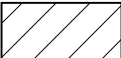



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	DRAWN - J.E.B.	REVISED -
PLOT SCALE = 40.0000' / in.	CHECKED - R.H.D.	REVISED -
PLOT DATE = 8/29/2019	DATE - 8/28/19	REVISED -

**STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION**

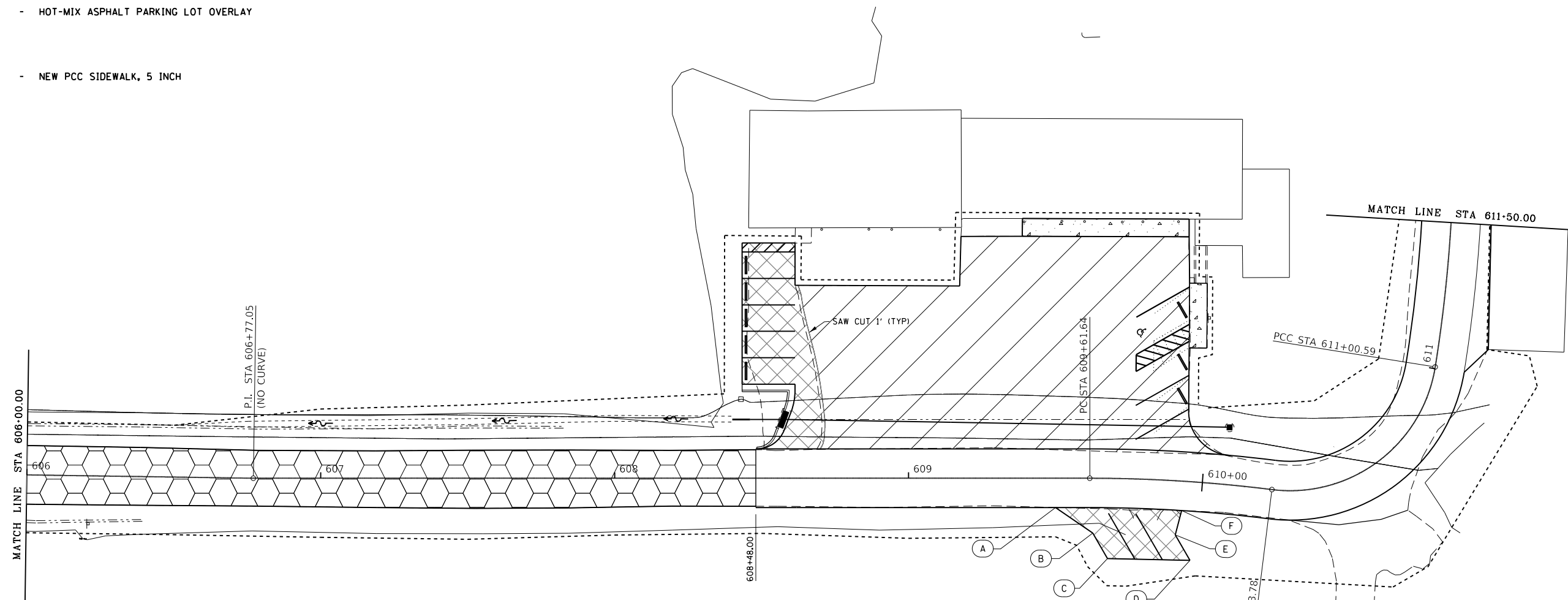
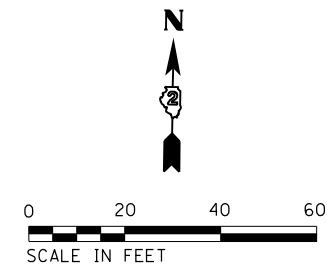
<b>PARK OFFICE SERVICE DRIVE (PROFILE)</b>			
<b>LAKE LE-AQUA-NA STATE PARK</b>			
SCALE: 1"=20'H 1"=5'V	SHEET	OF SHEETS	STA. 600+00.00 TO STA. 606+00.00

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	LAKE LE-AQUA-NA 2018	STEPHENSON	308	113
			CONTRACT NO. 46906	
ILLINOIS		FED. AID PROJECT		

-  - NEW HOT-MIX ASPHALT PAVEMENT
-  - HOT-MIX ASPHALT RESURFACING (OVERLAY AS SHOWN IN X-SECTIONS)
-  - NEW HOT-MIX ASPHALT PARKING LOT
-  - HOT-MIX ASPHALT PARKING LOT OVERLAY
-  - NEW PCC SIDEWALK, 5 INCH

NOTE:  
SEE ALIGNMENTS SHEET FOR PROPOSED CENTERLINE STATIONING AND ALIGNMENT INFORMATION. SEE PARKING LOT SHEETS FOR ADDITIONAL DETAILS AND QUANTITIES.

PR CURVE SD-2 P.I. STA. 609+92.75 $\Delta = 7^\circ 07' 13''$ (RT) D = 11° 27' 33" R = 500.00' T = 31.11' L = 62.14' E = 0.97' e = N.C. P.C. STA. 609+61.64 P.R.C. STA. 610+23.78	PR CURVE SD-3 P.I. STA. 610+72.08 $\Delta = 88^\circ 01' 23''$ (LT) D = 114° 35' 30" R = 50.00' T = 48.30' L = 76.81' E = 19.52' e = N.C. P.R.C. STA. 610+23.78 P.C.C. STA. 611+00.59	PR CURVE SD-4 P.I. STA. 611+49.73 $\Delta = 11^\circ 13' 34''$ (LT) D = 11° 27' 33" R = 500.00' T = 49.14' L = 97.97' E = 2.41' e = N.C. P.C.C. STA. 611+00.59 P.R.C. STA. 611+98.56
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No.	STATION	OFFSET	PR ELEV
A	609+50.00	10.00' RT	907.08
B	609+62.69	18.66' RT	908.09
C	609+68.00	27.28' RT	909.22
D	609+97.66	26.68' RT	909.15
E	609+91.83	18.37' RT	910.22
F	609+93.58	10.00' RT	910.05

35101100	AGGREGATE BASE COURSE, TYPE A 12"	770 SQ YD
40600275	BITUMINOUS MATERIALS (PRIME COAT)	1,712.5 POUND
40600290	BITUMINOUS MATERIALS (TACK COAT)	245.7 POUND
40600627	LEVELING BINDER (MACHINE METHOD), IL-9.5FG, N50	45.9 TON
40602978	HOT-MIX ASPHALT BINDER COURSE, IL-9.5FG, N50	104.0 TON
40603335	HOT-MIX ASPHALT SURFACE COURSE, MIX "D", N50	45.2 TON
		56.3 TON

FILE NAME =	USER NAME = joeb	DESIGNED - J.E.B.	REVISED -
C - Roadway Plan_Service Drive.606+00.dgn		DRAWN - J.E.B.	REVISED -
Default	PLOT SCALE = 48.0000' / in.	CHECKED - R.H.D.	REVISED -
	PLOT DATE = 8/29/2019	DATE - 8/28/19	REVISED -

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

PARK OFFICE SERVICE DRIVE (PLAN)  
LAKE LE-AQUA-NA STATE PARK

SCALE: 1" = 20' SHEET OF SHEETS STA. 606+00.00 TO STA. 611+50.00

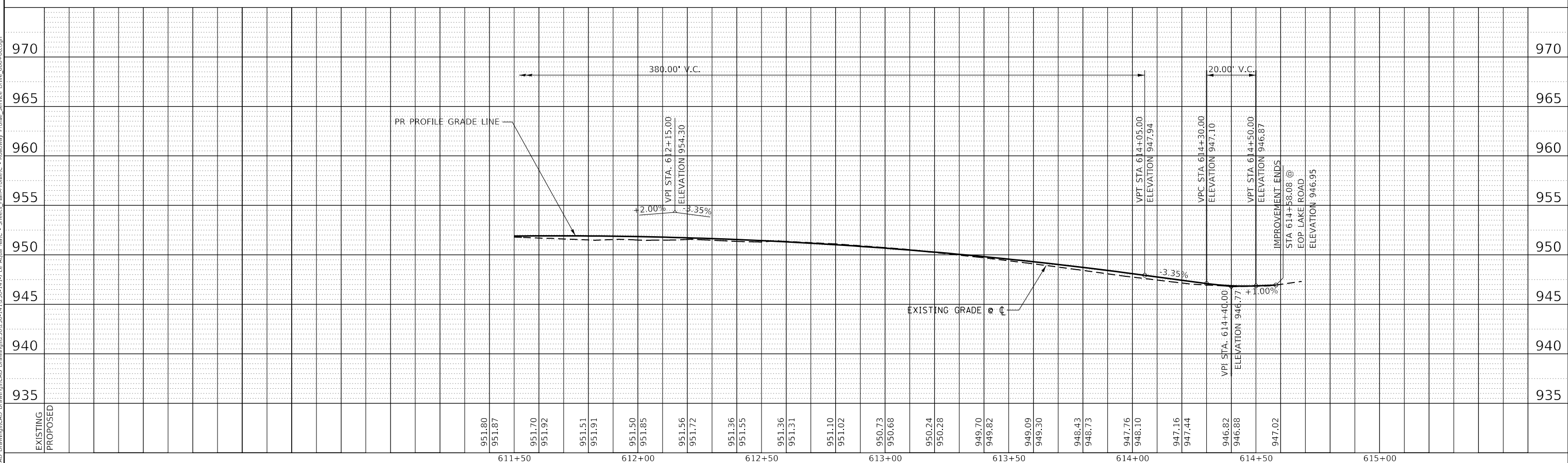
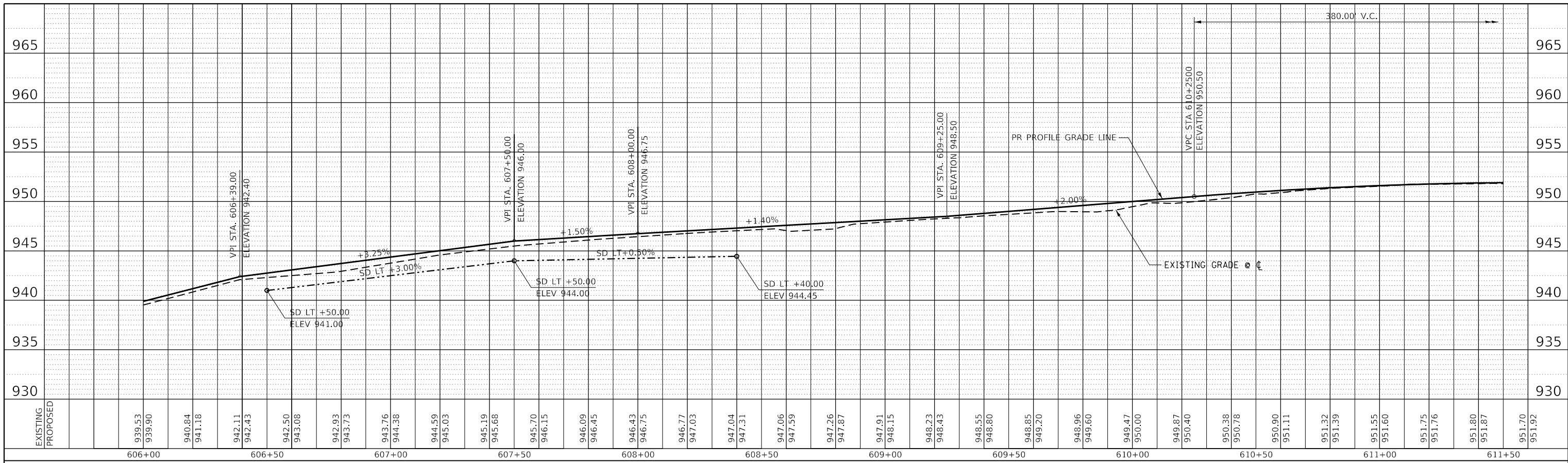
F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	LAKE LE-AQUA-NA 2018	STEPHENSON	308	114
CONTRACT NO. 46906				
ILLINOIS FED. AID PROJECT				



PLAN	SURVEYED	BY	DATE
	PLOTTED		
NOTE BOOK NO.	ALIGNMENT CHECKED		
	STRUCTURE NOTATIONS CHECKED		
	CADD FILE NAME		

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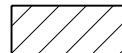


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PLOT SCALE = 40.0000' / in.	DRAWN - J.E.B.	REVISED -
PLOT DATE = 8/29/2019	CHECKED - R.H.D.	REVISED -
	DATE - 8/28/19	REVISED -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

<b>PARK OFFICE SERVICE DRIVE (PROFILE)</b>			
<b>LAKE LE-AQUA-NA STATE PARK</b>			
SCALE: 1"=20'H 1"=5'V	SHEET	OF	SHEETS
STA. 606+00.00	TO	STA. 615+00.00	

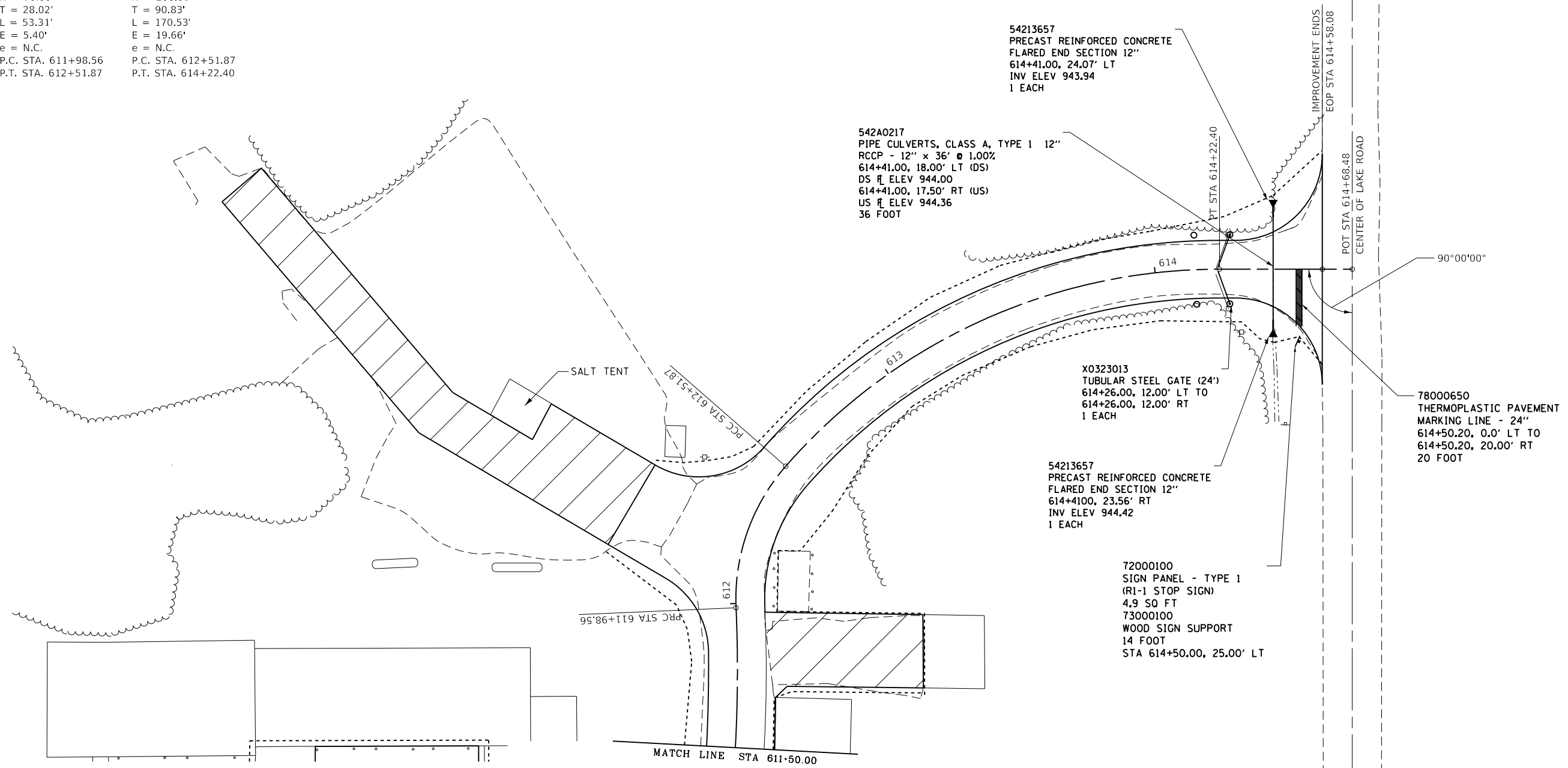
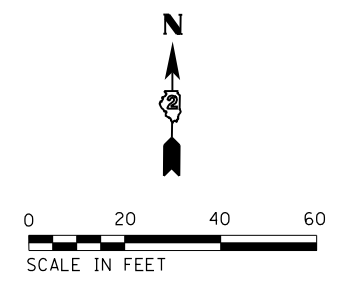
F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	LAKE LE-AQUA-NA 2018	STEPHENSON	308	115
ILLINOIS FED. AID PROJECT			CONTRACT NO. 46906	

-  - NEW HOT-MIX ASPHALT PAVEMENT
-  - HOT-MIX ASPHALT PARKING LOT & DRIVEWAY REHABILITATION (SEE MAINTENANCE AREA PARKING LOT SHEET)

PR CURVE SD-4 P.I. STA. 611+49.73 Δ = 11° 13' 34" (LT) D = 11° 27' 33" R = 500.00' T = 49.14' L = 97.97' E = 2.41' e = N.C. P.C. STA. 611+00.59 P.T. STA. 611+98.56	PR CURVE SD-5 P.I. STA. 612+26.58 Δ = 43° 38' 16" (RT) D = 81° 51' 04" R = 70.00' T = 28.02' L = 53.31' E = 5.40' e = N.C. P.C. STA. 611+98.56 P.T. STA. 612+51.87	PR CURVE SD-6 P.I. STA. 613+42.70 Δ = 48° 51' 09" (RT) D = 28° 38' 52" R = 200.00' T = 90.83' L = 170.53' E = 19.66' e = N.C. P.C. STA. 612+51.87 P.T. STA. 614+22.40
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35101100	AGGREGATE BASE COURSE, TYPE A 12"	
☉ STA 611+50.00 TO ☉ STA 614+58.08		760.6 SO YD
STA 611+83.42, 10.00' LT TO STA 612+51.87, 10.00' LT		145.7 SO YD
40600275	BITUMINOUS MATERIALS (PRIME COAT)	
☉ STA 611+50.00 TO ☉ STA 614+58.08		1,711.4 POUND
STA 611+83.42, 10.00' LT TO STA 612+51.87, 10.00' LT		327.8 POUND
40602978	HOT-MIX ASPHALT BINDER COURSE, IL-9.5FG, N50	
☉ STA 611+50.00 TO ☉ STA 614+58.08		104.0 TON
STA 611+83.42, 10.00' LT TO STA 612+51.87, 10.00' LT		20.0 TON
40603335	HOT-MIX ASPHALT SURFACE COURSE, MIX "D", N50	
☉ STA 611+50.00 TO ☉ STA 614+58.08		61.5 TON
STA 611+83.42, 10.00' LT TO STA 612+51.87, 10.00' LT		11.8 TON

NOTE:  
SEE ALIGNMENTS SHEET FOR PROPOSED CENTERLINE  
STATIONING AND ALIGNMENT INFORMATION.  
SEE PARKING LOT SHEETS FOR ADDITIONAL  
DETAILS AND QUANTITIES.



FILE NAME = C - Roadway Plan_Service Drive_611+50.dwg	USER NAME = joeb	DESIGNED - J.E.B.	REVISED -
		DRAWN - J.E.B.	REVISED -
	PLOT SCALE = 40.0000' / in.	CHECKED - R.H.D.	REVISED -
	PLOT DATE = 9/3/2019	DATE - 8/28/19	REVISED -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**PARK OFFICE SERVICE DRIVE (PLAN)  
LAKE LE-AQUA-NA STATE PARK**

SCALE: 1" = 20'    SHEET OF SHEETS    STA. 611+50.00 TO STA. 614+68.48

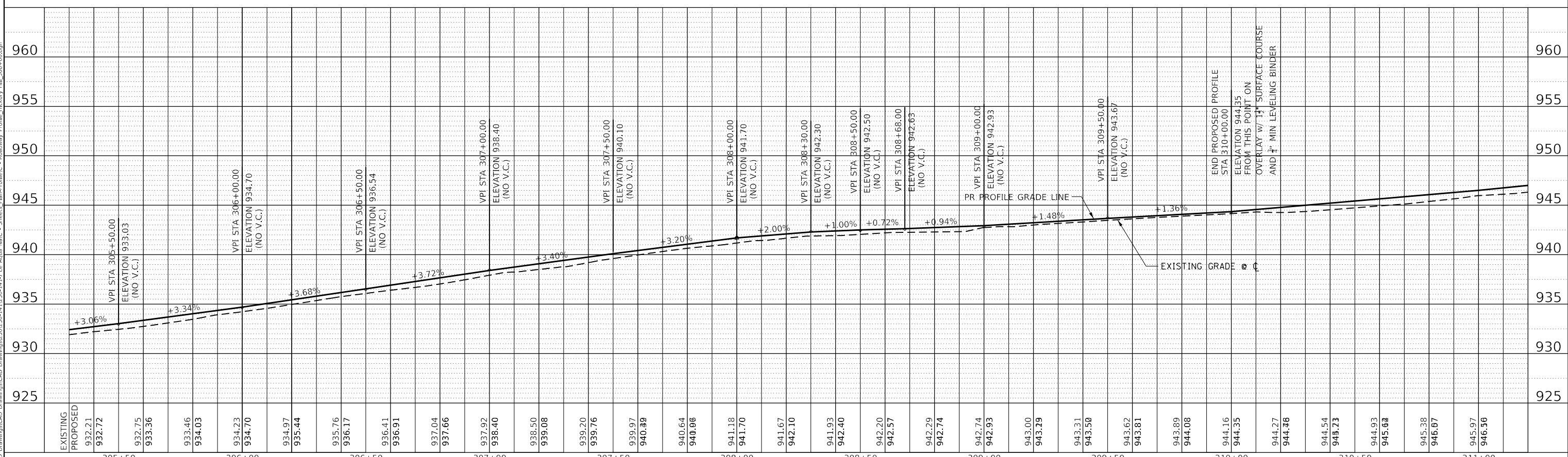
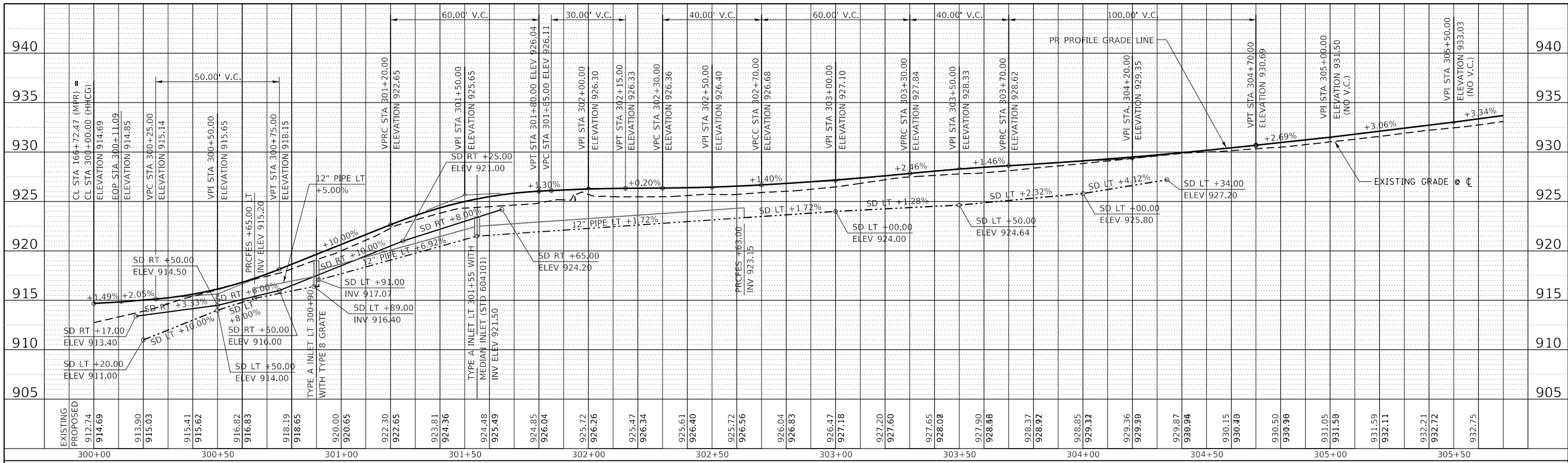
F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	LAKE LE-AQUA-NA 2018	STEPHENSON	308	116
			CONTRACT NO. 46906	
ILLINOIS FED. AID PROJECT				



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

PROFILE	SURVEYED	BY	DATE
	PLOTTED		
NOTE BOOK NO.	GRADES CHECKED		
	STRUCTURE NOTATIONS CHECKED		
	FILE NAME		

MODEL: Default  
FILE NAME: S:\CAD Drawings\CAD Drawings\20250129-141256-141-1 Le Aqua NaC - Streets\_Plan-Profile-C - Roadway\_Profile\_Hickory\_Hill\_300+00.dwg



USER NAME = joeb	DESIGNED - J.E.B.	REVISED -
	DRAWN - J.E.B.	REVISED -
PLOT SCALE = 40.0000' / in.	CHECKED - R.H.D.	REVISED -
PLOT DATE = 8/29/2019	DATE - 8/28/19	REVISED -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

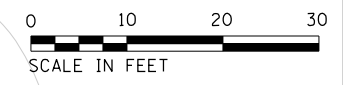
**HICKORY HILL CAMPGROUND ROAD (PROFILE)  
LAKE LE-AQUA-NA STATE PARK**

SCALE: 1"=20'H 1"=5' SHEET OF SHEETS STA. 600+00.00 TO STA. 606+00.00

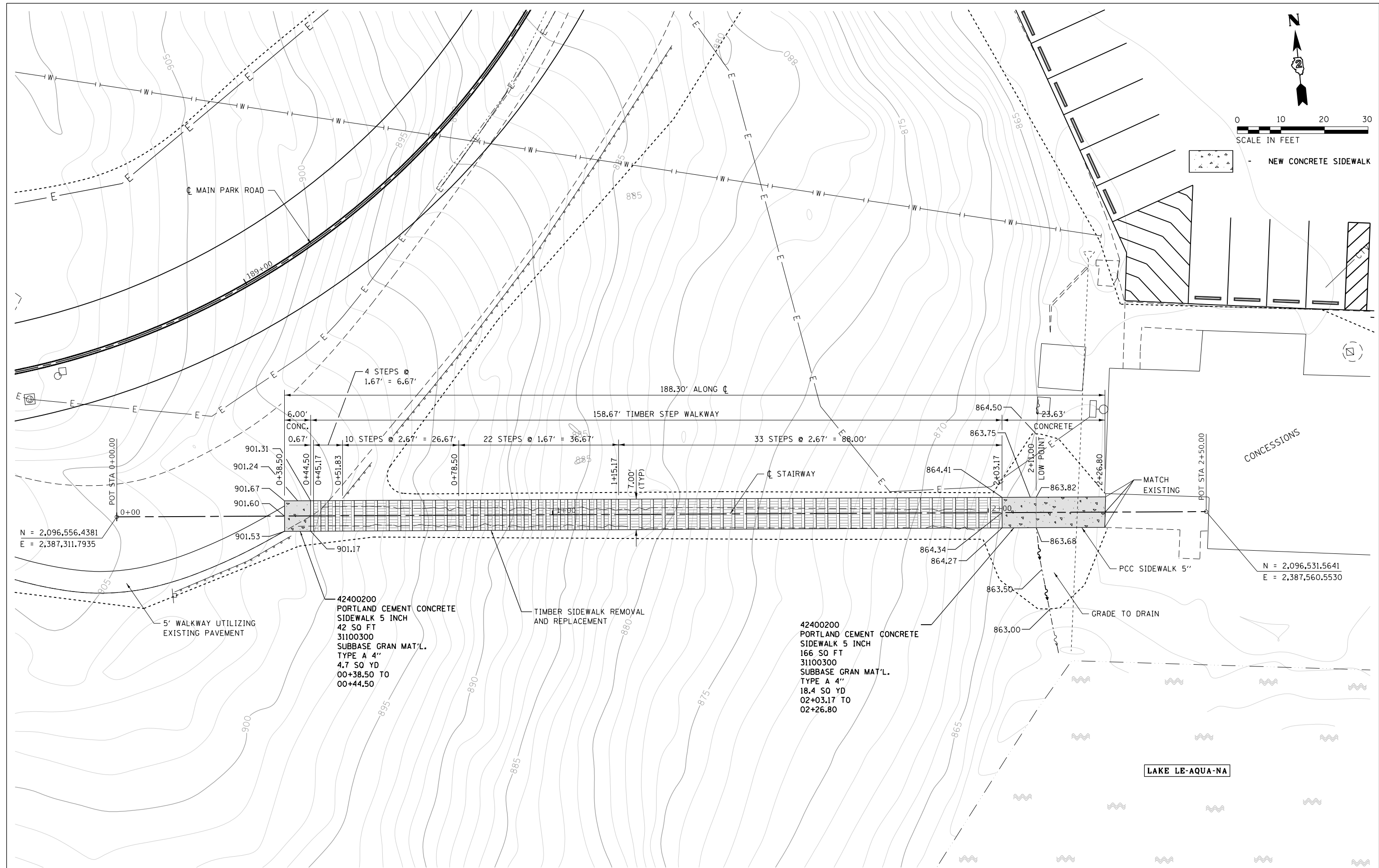
F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	LAKE LE-AQUA-NA 2018	STEPHENSON	308	118
ILLINOIS FED. AID PROJECT			CONTRACT NO.	







NEW CONCRETE SIDEWALK



N = 2,096,556.4381  
E = 2,387,311.7935

N = 2,096,531.5641  
E = 2,387,560.5530

42400200  
PORTLAND CEMENT CONCRETE  
SIDEWALK 5 INCH  
42 SQ FT  
31100300  
SUBBASE GRAN MAT'L.  
TYPE A 4"  
4.7 SQ YD  
00+38.50 TO  
00+44.50

42400200  
PORTLAND CEMENT CONCRETE  
SIDEWALK 5 INCH  
166 SQ FT  
31100300  
SUBBASE GRAN MAT'L.  
TYPE A 4"  
18.4 SQ YD  
02+03.17 TO  
02+26.80

FILE NAME =	USER NAME = joeb	DESIGNED - R.H.D./J.E.B.	REVISED -
C - Sidewalk Plan, Concessions Stairway.dgn		DRAWN - J.E.B.	REVISED -
Default	PLOT SCALE = 20.0000' / in.	CHECKED - R.H.D.	REVISED -
	PLOT DATE = 9/23/2019	DATE - 8/28/19	REVISED -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**TIMBER STEP WALKWAY TO CONCESSIONS (PLAN)  
LAKE LE-AQUA-NA STATE PARK**

SCALE: 1" = 10' SHEET OF SHEETS STA. 0+00.00 TO STA. 2+50.00

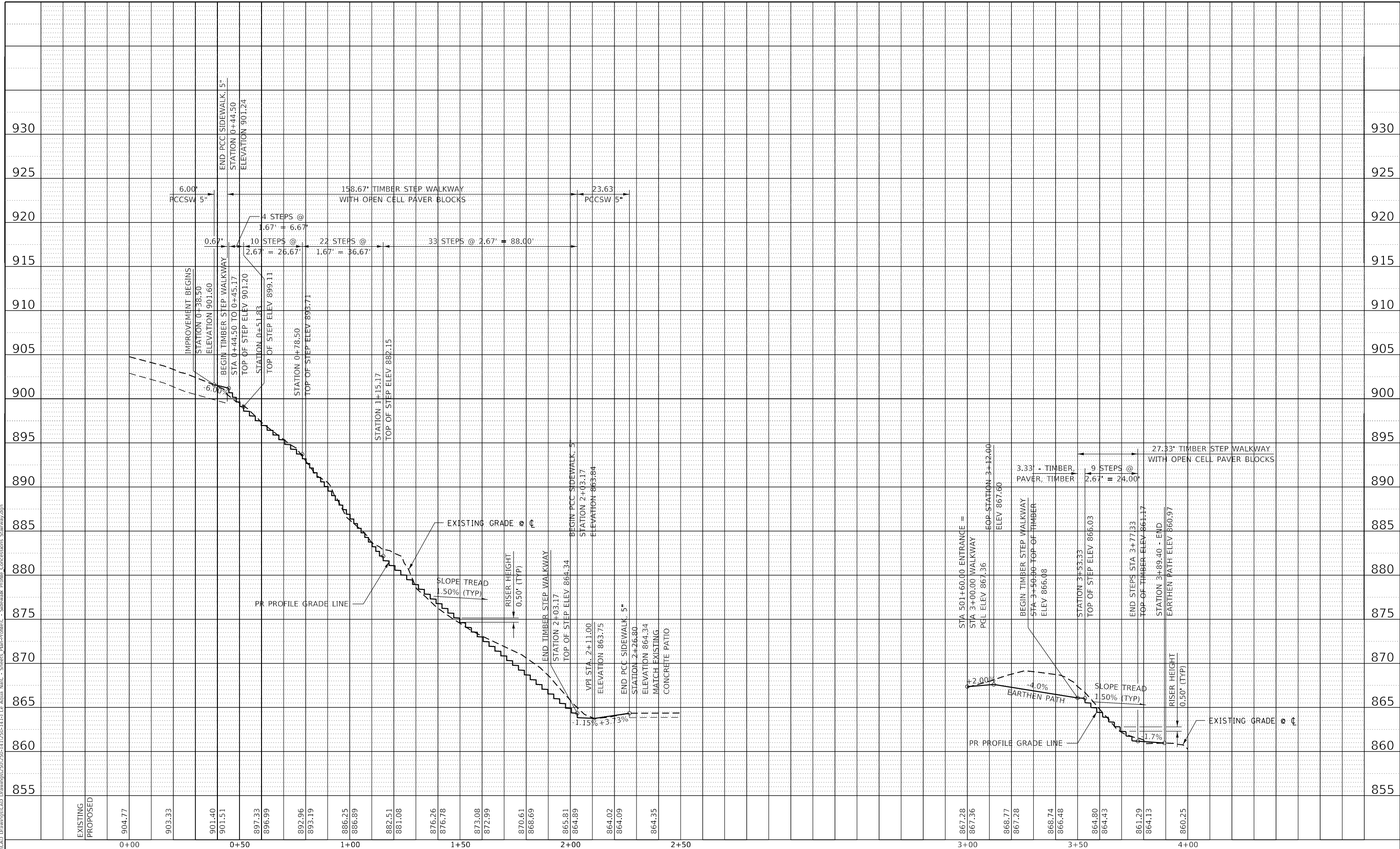
F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	LAKE LE-AQUA-NA 2018	STEPHENSON	308	120
			CONTRACT NO. 46906	
ILLINOIS FED. AID PROJECT				



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

PROFILE	SURVEYED	BY	DATE
	PLOTTED		
	GRADES CHECKED		
	NOTE BOOK		
	NO.		
	STRUCTURE NOTATION		

MODEL: Default  
FILE NAME: S:\CAD Drawings\CAD Drawings\2020\2020-1411250-1411-1 Le Aqua NaC - Sidewalk Profile-Concessions Stairway.dgn



TIMBER STEP WALKWAY TO CONCESSIONS

TIMBER STEP WALKWAY NEXT TO BOAT RAMP

USER NAME = joeb	DESIGNED - J.E.B.	REVISED -
PLOT SCALE = 40.0000' / in.	DRAWN - J.E.B.	REVISED -
PLOT DATE = 9/23/2019	CHECKED - R.H.D.	REVISED -
	DATE - 8/28/19	REVISED -

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

TIMBER STEP WALKWAYS (PROFILES)  
LAKE LE-AQUA-NA STATE PARK

SCALE: 1"=20'H 1"=5'V SHEET OF SHEETS STA. 0+00.00 TO STA. 2+50.00

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	LAKE LE-AQUA-NA 2018	STEPHENSON	308	121
CONTRACT NO. 46906				
ILLINOIS FED. AID PROJECT				

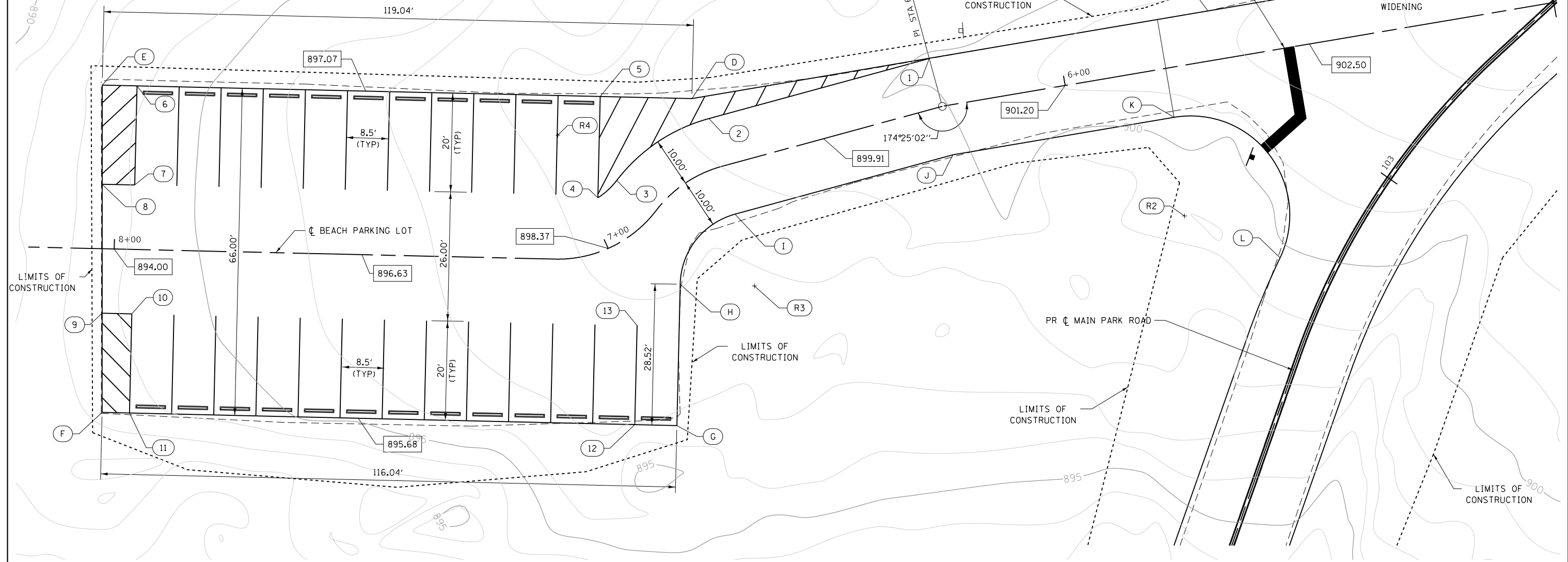
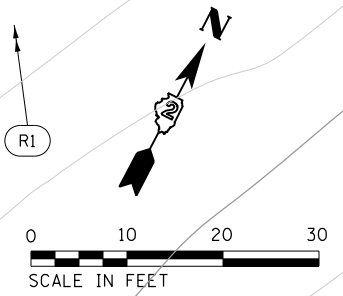
No.	STATION	OFFSET	PR ELEV
A'	102+12.92	11.00' RT	905.60
A	4+73.85	30.10' RT	905.60
B	5+27.08	12.56' RT	903.05
C	5+69.08	10.00' RT	901.94
D	6+72.68	14.84' RT	899.29
E	8+03.20	33.00' RT	893.59
F	8+01.70	33.00' LT	893.61
G	7+00.73	38.31' LT	897.06
H	6+93.27	13.90' LT	898.23
I	6+71.25	10.00' LT	898.89
J	6+25.64	10.00' LT	900.00
K	5+79.42	10.00' LT	900.64
L	5+63.08	41.54' LT	900.15
L'	103+24.06	11.00' RT	900.15

RAD. PT.	STATION	OFFSET	RADIUS
R1	5+33.76	122.35' RT	110.00'
R2	5+80.64	30.00' LT	20.00'
R3	6+89.89	30.00' LT	30.00'
R4	6+89.89	20.00' RT	20.00'

- 35101100 AGGREGATE BASE COURSE, TYPE A 12"**  
 ☐ STA 5+20.19 TO ☐ STA 5+79.42      197.9 SQ YD
- 40600275 BITUMINOUS MATERIALS (PRIME COAT)**  
 ☐ STA 5+20.19 TO ☐ STA 5+79.42      445.3 POUND
- 40600290 BITUMINOUS MATERIALS (TACK COAT)**  
 ☐ STA 5+79.42 TO ☐ STA 8+02.45      493.0 POUND
- 40600627 LEVELING BINDER (MACHINE METHOD), IL-9.5FG, N50**  
 ☐ STA 5+79.42 TO ☐ STA 8+02.45      92.0 TON
- 40603335 HOT-MIX ASPHALT SURFACE COURSE, MIX "D", N50**  
 ☐ STA 5+20.19 TO ☐ STA 8+02.45      108.7 TON
- 40602978 HOT-MIX ASPHALT BINDER COURSE, IL-9.5FG, N50**  
 ☐ STA 5+20.19 TO ☐ STA 5+79.42      27.7 TON

PROP. CURVE BEACH 1  
 P.I. STA. 6+79.70  
 $\Delta = 37^\circ 19' 51''$  (LT)  
 $D = 229' 10' 59''$   
 $R = 25.00'$   
 $T = 8.45'$   
 $L = 16.29'$   
 $E = 1.39'$   
 P.C. STA. 6+71.25  
 P.R.C. STA. 6+87.54

PROP. CURVE BEACH 2  
 P.I. STA. 7+00.24  
 $\Delta = 53^\circ 51' 53''$  (RT)  
 $D = 229' 10' 59''$   
 $R = 25.00'$   
 $T = 12.70'$   
 $L = 23.50'$   
 $E = 3.04'$   
 P.R.C. STA. 6+87.54  
 P.T. STA. 7+11.04



FILE NAME =	USER NAME = joeb	DESIGNED - R.H.D./J.E.B.	REVISED -
C - Parking Lot_Beach.dgn		DRAWN - J.E.B.	REVISED -
Default	PLOT SCALE = 20.0000' / in.	CHECKED - R.H.D.	REVISED -
	PLOT DATE = 8/29/2019	DATE - 8/28/19	REVISED -

**STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION**

<b>BEACH PARKING LOT LAKE LE-AQUA-NA STATE PARK</b>	
SCALE: 1" = 20'	SHEET OF SHEETS STA. 40+25.00 TO STA. 44+00.00

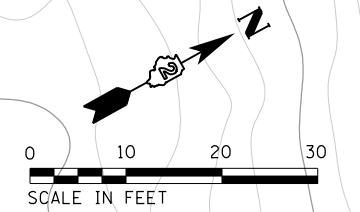
F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	LAKE LE-AQUA-NA 2018	STEPHENSON	308	122
CONTRACT NO. 46906			ILLINOIS FED. AID PROJECT	





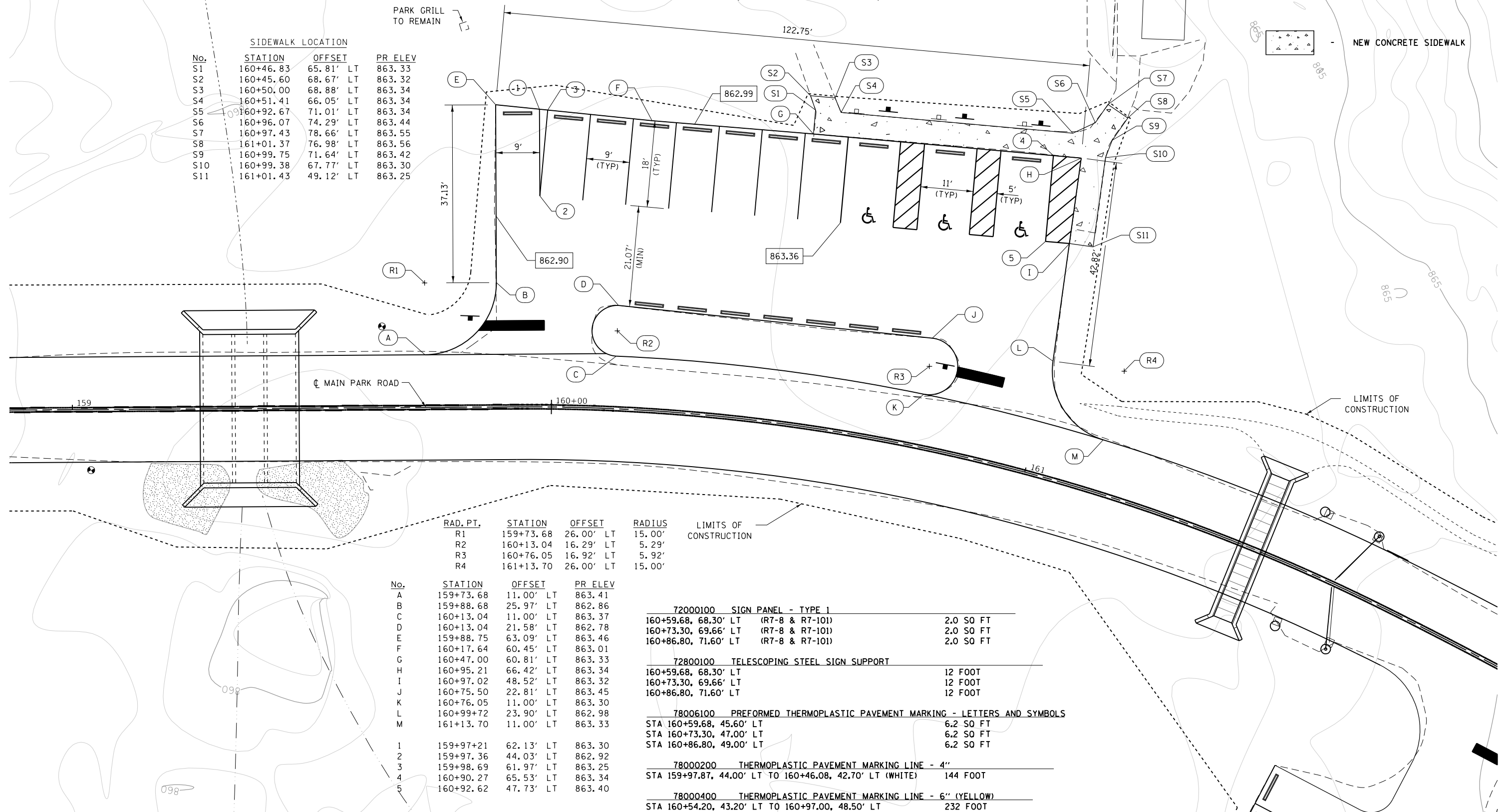
40600290 BITUMINOUS MATERIALS (TACK COAT)  
 STA 159+73.08, 11.00' LT TO STA 161+13.70, 11.00' LT 26.8 POUND  
 40600627 LEVELING BINDER (MACHINE METHOD), II-9.5FG, N50  
 STA 159.73.08, 11.00' LT TO STA 161+13.70, 11.00' LT 83.6 TON  
 40603335 HOT-MIX ASPHALT SURFACE COURSE, MIX "D", N50  
 STA 159.73.08, 11.00' LT TO STA 161+13.70, 11.00' LT 83.6 TON

31100300 SUBBASE GRANULAR MATERIAL, TYPE A 4"  
 STA 160+47.00, 60.81' LT TO STA 161+01.37, 76.98' RT 50.0 SO YD  
 42400200 PORTLAND CEMENT CONCRETE SIDEWALK, 5"  
 STA 160+47.00, 60.81' LT TO STA 161+01.37, 76.98' RT 450 SO FT  
 X0301430 PRECAST CONCRETE PARKING BLOCK  
 STA 159+90.00, 61.00' LT TO STA 160+90.00, 64.00' LT 18 EACH



SIDEWALK LOCATION

No.	STATION	OFFSET	PR ELEV
S1	160+46.83	65.81' LT	863.33
S2	160+45.60	68.67' LT	863.32
S3	160+50.00	68.88' LT	863.34
S4	160+51.41	66.05' LT	863.34
S5	160+92.67	71.01' LT	863.34
S6	160+96.07	74.29' LT	863.44
S7	160+97.43	78.66' LT	863.55
S8	161+01.37	76.98' LT	863.56
S9	160+99.75	71.64' LT	863.42
S10	160+99.38	67.77' LT	863.30
S11	161+01.43	49.12' LT	863.25



RAD. PT.	STATION	OFFSET	RADIUS	LIMITS OF CONSTRUCTION
R1	159+73.68	26.00' LT	15.00'	
R2	160+13.04	16.29' LT	5.29'	
R3	160+76.05	16.92' LT	5.92'	
R4	161+13.70	26.00' LT	15.00'	

No.	STATION	OFFSET	PR ELEV
A	159+73.68	11.00' LT	863.41
B	159+88.68	25.97' LT	862.86
C	160+13.04	11.00' LT	863.37
D	160+13.04	21.58' LT	862.78
E	159+88.75	63.09' LT	863.46
F	160+17.64	60.45' LT	863.01
G	160+47.00	60.81' LT	863.33
H	160+95.21	66.42' LT	863.34
I	160+97.02	48.52' LT	863.32
J	160+75.50	22.81' LT	863.45
K	160+76.05	11.00' LT	863.30
L	160+99+72	23.90' LT	862.98
M	161+13.70	11.00' LT	863.33
1	159+97+21	62.13' LT	863.30
2	159+97.36	44.03' LT	862.92
3	159+98.69	61.97' LT	863.25
4	160+90.27	65.53' LT	863.34
5	160+92.62	47.73' LT	863.40

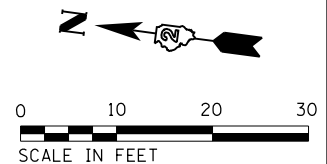
- 72000100 SIGN PANEL - TYPE 1
  - 160+59.68, 68.30' LT (R7-8 & R7-10) 2.0 SO FT
  - 160+73.30, 69.66' LT (R7-8 & R7-10) 2.0 SO FT
  - 160+86.80, 71.60' LT (R7-8 & R7-10) 2.0 SO FT
- 72800100 TELESCOPING STEEL SIGN SUPPORT
  - 160+59.68, 68.30' LT 12 FOOT
  - 160+73.30, 69.66' LT 12 FOOT
  - 160+86.80, 71.60' LT 12 FOOT
- 78006100 PREFORMED THERMOPLASTIC PAVEMENT MARKING - LETTERS AND SYMBOLS
  - STA 160+59.68, 45.60' LT 6.2 SO FT
  - STA 160+73.30, 47.00' LT 6.2 SO FT
  - STA 160+86.80, 49.00' LT 6.2 SO FT
- 78000200 THERMOPLASTIC PAVEMENT MARKING LINE - 4"
  - STA 159+97.87, 44.00' LT TO 160+46.08, 42.70' LT (WHITE) 144 FOOT
- 78000400 THERMOPLASTIC PAVEMENT MARKING LINE - 6" (YELLOW)
  - STA 160+54.20, 43.20' LT TO 160+97.00, 48.50' LT 232 FOOT





\*\* IMPROVEMENT BEGINS  
 IP STA 400+00.00 (CHILDREN'S FISHING POND) =  
 POC STA 174+14.74 (MAIN PARK ROAD)  
 DEPARTURE ANGLE = 90°00'00" @ LOCAL TANGENT

900.00 - INDICATES FINISHED PAVEMENT SURFACE ELEVATION

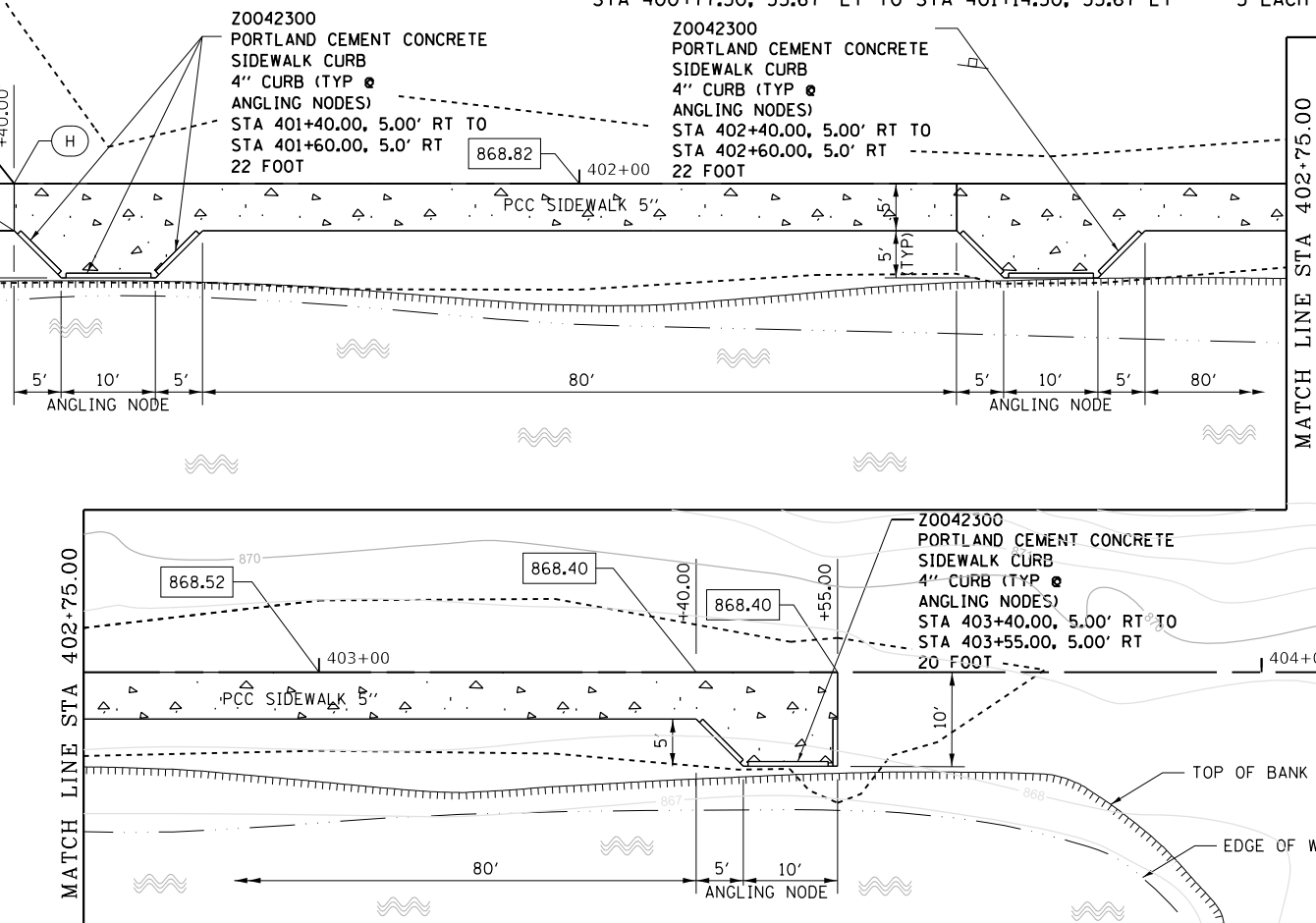
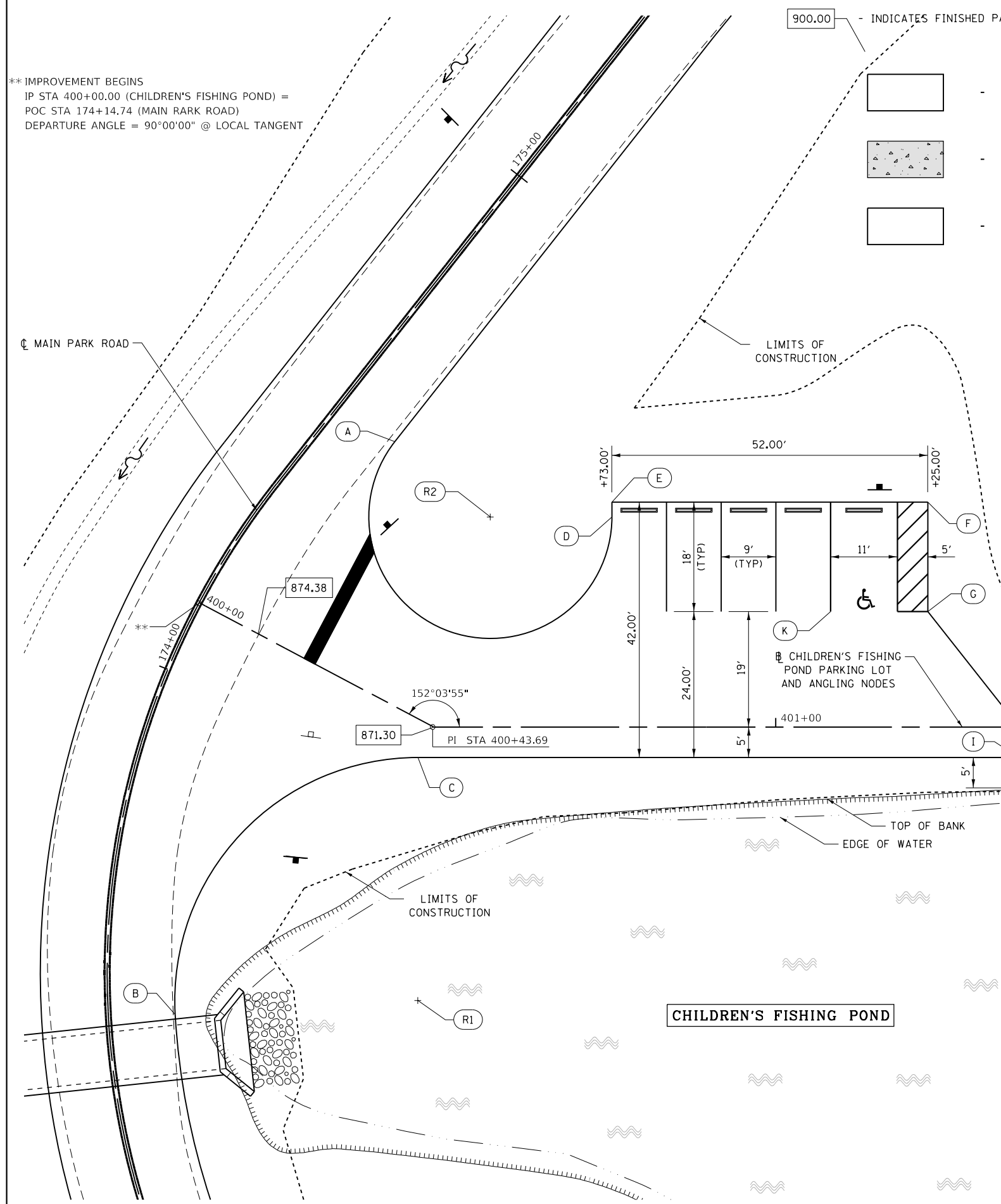


72000100	SIGN PANEL - TYPE 1	401+17.00, 35.60' LT	R7-8 (1.5) & R7-101 (0.5)	2.0 SQ FT
72800100	TELESCOPING STEEL SIGN SUPPORT	401+17.00, 35.60' LT		12 FOOT
78006100	PREFORMED THERMOPLASTIC PAVEMENT MARKING - LETTERS AND SYMBOLS	STA 401+14.50, 17.00' LT		6.2 SQ FT
78000200	THERMOPLASTIC PAVEMENT MARKING LINE - 4" (WHITE)	STA 400+82.00, 33.00' LT TO 401+00.00, 15.00' LT		108 FOOT
78000400	THERMOPLASTIC PAVEMENT MARKING LINE - 6" (YELLOW)	STA 401+09.00, 33.00' LT TO 401+25.00, 15.00' LT		152 FOOT
31100300	SUBBASE GRANULAR MATERIAL, TYPE A 4"	STA 401+40.00 TO STA 403+55.00		140 SQ YD
35100700	AGGREGATE BASE COURSE, TYPE A 8"	STA 400+11.00 TO STA 401+40.00		506.6 SQ YD
40600275	BITUMINOUS MATERIALS (PRIME COAT)	STA 400+11.00 TO STA 401+40.00		1,140.1 POUND
40602978	HOT-MIX ASPHALT BINDER COURSE, IL-9.5FG, N50	STA 400+11.00 TO STA 401+40.00		69.3 TON
40603335	HOT-MIX ASPHALT SURFACE COURSE, MIX "D", N50	STA 400+11.00 TO STA 401+40.00		40.9 TON
42400200	PORTLAND CEMENT CONCRETE SIDEWALK, 5 INCH	STA 401+40.00 TO STA 403+55.00		1,260 SQ FT
X0301430	PRECAST CONCRETE PARKING BLOCK	STA 400+77.50, 35.67' LT TO STA 401+14.50, 35.67' LT		5 EACH

RAD. PT.	STATION	OFFSET	RADIUS
R1'	173+41.25	51.00' RT	40.00'
R1	400+41.08	45.00' RT	40.00'
R2'	174+53.00	31.00' RT	20.00'
R2	400+53.00	34.56' LT	20.00'

• LONG TANGENT EXTENDED NORTHERLY

No.	STATION	OFFSET	PR ELEV
A'	174+53.00	11.00' RT	878.30
A	400+16.05	38.48' LT	878.30
B'	173+41.25	11.00' RT	872.50
B	400+28.26	61.73' RT	872.50
C	400+41.08	5.00' RT	871.30
D	400+73.00	34.56' LT	870.60
E	400+73.00	37.00' LT	870.67
F	401+25.00	37.00' LT	869.71
G	401+25.00	19.00' LT	869.42
H	401+40.00		869.00
I	401+40.00	5.00' RT	868.92
K	401+26.00	19.00' LT	869.40



FILE NAME =	USER NAME = joeb	DESIGNED - R.H.D./J.E.B.	REVISED -
C - Parking Lot_Pond.dgn		DRAWN - J.E.B.	REVISED -
Default	PLOT SCALE = 20.0000' / in.	CHECKED - R.H.D.	REVISED -
	PLOT DATE = 9/3/2019	DATE - 8/28/19	REVISED -

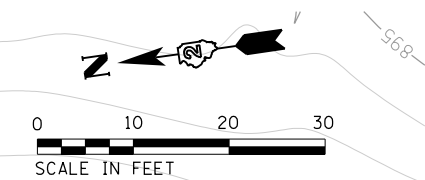
STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION


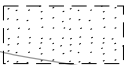
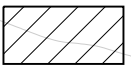
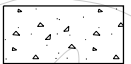
CHILDREN'S FISHING POND PARKING LOT AND ANGLING NODES  
 LAKE LE-AQUA-NA STATE PARK

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	LAKE LE-AQUA-NA 2018	STEPHENSON	308	127
			CONTRACT NO. 46906	
ILLINOIS FED. AID PROJECT				

SCALE: 1" = 20' SHEET OF SHEETS STA. 400+00.00 TO STA. 404+00.00

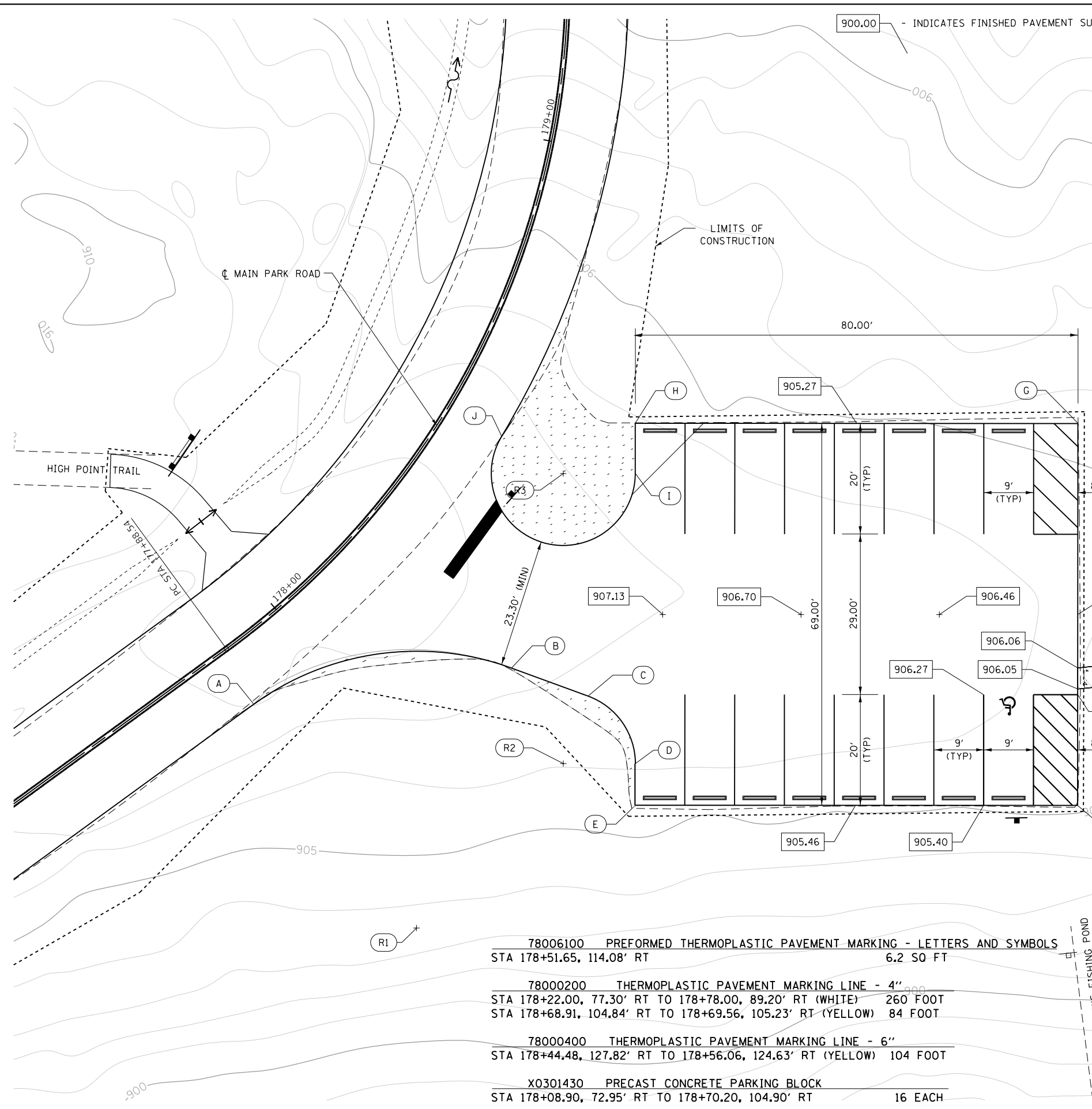
900.00 - INDICATES FINISHED PAVEMENT SURFACE ELEVATION



-  NEW HOT-MIX ASPHALT PAVEMENT
-  EX HMA PAVEMENT REMOVAL (PAID AS EARTH EXCAVATION)
-  HOT-MIX ASPHALT PARKING LOT OVERLAY
-  NEW PCC SIDEWALK 5"

RAD. PT.	STATION	OFFSET	RADIUS
R1	177+74.61	61.00' RT	50.00'
R2	178+03.63	55.97' RT	13.00'
R3	178+36.62	24.00' RT	13.00'

No.	STATION	OFFSET	PR ELEV
A	177+74.61	11.00' RT	908.65
B	178+08.11	36.24' RT	907.48
C	178+12.53	51.13' RT	906.94
D	178+09.87	65.57' RT	906.29
E	178+06.03	70.60' RT	905.72
F	178+34.73	134.60' RT	905.37
G	178+69.56	105.23' RT	904.76
H	178+48.61	31.06' RT	906.30
I	178+42.03	35.27' RT	906.60
J	178+36.62	11.00' RT	907.64



- 78006100 PREFORMED THERMOPLASTIC PAVEMENT MARKING - LETTERS AND SYMBOLS  
STA 178+51.65, 114.08' RT 6.2 SQ FT
- 78000200 THERMOPLASTIC PAVEMENT MARKING LINE - 4"  
STA 178+22.00, 77.30' RT TO 178+78.00, 89.20' RT (WHITE) 260 FOOT  
STA 178+68.91, 104.84' RT TO 178+69.56, 105.23' RT (YELLOW) 84 FOOT
- 78000400 THERMOPLASTIC PAVEMENT MARKING LINE - 6"  
STA 178+44.48, 127.82' RT TO 178+56.06, 124.63' RT (YELLOW) 104 FOOT
- X0301430 PRECAST CONCRETE PARKING BLOCK  
STA 178+08.90, 72.95' RT TO 178+70.20, 104.90' RT 16 EACH

- 31101200 SUBBASE GRANULAR MATERIAL, TYPE B 4"  
STA 178+56.56, 124.13' RT TO STA 178+63.35, 136.99' RT 7.4 SQ YD
- 35100700 AGGREGATE BASE COURSE, TYPE A 8"  
STA 177+86.76, 11.00' RT TO STA 178+81.60, 105.23' RT 163.0 SQ YD
- 40600275 BITUMINOUS MATERIALS (PRIME COAT)  
STA 177+86.76, 11.00' RT TO STA 178+81.60, 105.23' RT 353.2 POUND
- 40600290 BITUMINOUS MATERIALS (TACK COAT)  
STA 177+86.76, 11.00' RT TO STA 178+81.60, 105.23' RT 342.2 POUND
- 40600627 LEVELING BINDER (MACHINE METHOD), IL-9.5FG, N50  
STA 177+86.76, 11.00 RT TO STA 178+81.60, 105.23' 65.1 TON
- 40603335 HOT-MIX ASPHALT SURFACE COURSE, MIX "D", N50  
STA 177+86.76, 11.00 RT TO STA 178+81.60, 105.23' 64.5 TON
- 42400200 PORTLAND CEMENT CONCRETE SIDEWALK, 5"  
STA 178+56.56, 124.13' RT TO STA 178+63.35, 136.99' RT 67 SQ FT

No.	STATION	OFFSET	PR	ELEV
A	501+89.48	43.13' RT		865.04
B	502+15.40	38.00' RT		864.98
C	502+33.04	164.35' RT		865.27
D	502+52.35	158.46' RT		865.16
E	502+56.51	179.87' RT		865.38
F	502+99.70	171.48' RT		864.76
G	502+92.15	132.60' RT		864.40
H	503+12.06	132.29' RT		864.16
I	503+10.81	52.30' RT		862.77
J	503+10.69	44.48' RT		863.00
K	503+02.44	28.14' RT		863.93
L	502+90.54	52.62' RT		863.70
M	502+42.85	4.81' LT		864.20
N	502+32.48	16.52' RT		864.50
O	501+87.84	17.25' LT		865.80
P	501+84.00	0.00' C		866.09
R	501+78.00	18.52' RT		865.90
S	501+86.29	27.69' RT		865.37
T	502+21.32	20.00' RT		864.72
U	503+10.91	58.43' RT		862.75
V	503+11.28	82.52' RT		863.63
W	502+20.00	43.45' RT		865.00
X	501+91.24	49.49' RT		865.08

40600290 BITUMINOUS MATERIALS (TACK COAT)  
RT & LT STA 501+83.46 TO RT STA 503+15.58 566.7 POUND

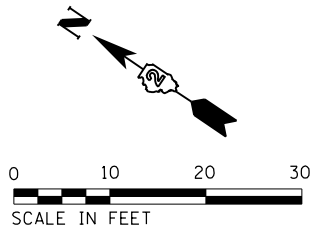
40603335 HOT-MIX ASPHALT SURFACE COURSE, MIX "D", N50  
RT & LT STA 501+83.46 TO RT STA 503+15.58 106.2 TON

31100300 SUBBASE GRANULAR MATERIAL, TYPE A 4"  
503+04.34, 140.71' RT TO 503+10.66, 170.73' RT 17.8 SO YD

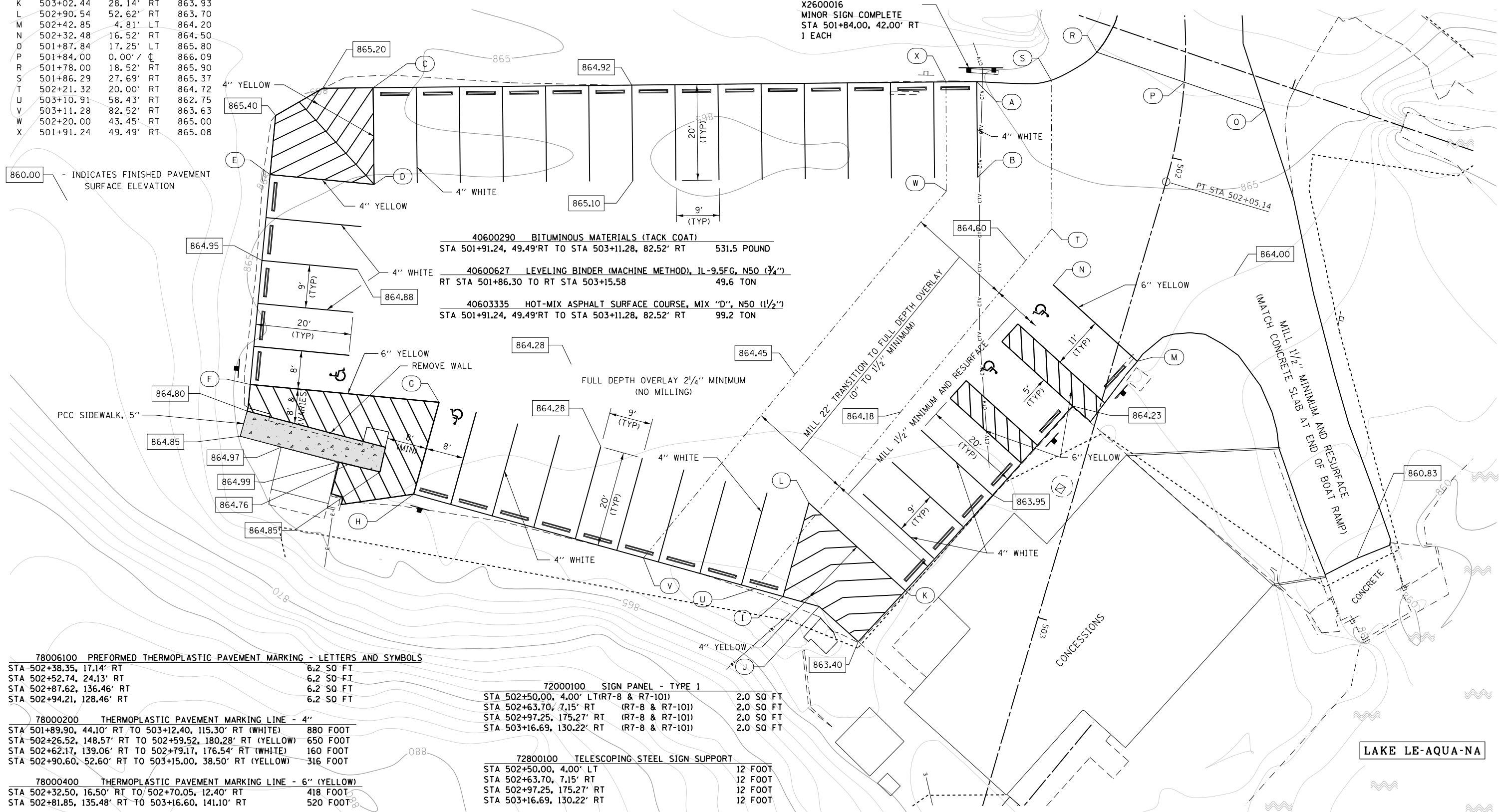
42400200 PCC SIDEWALK, 5 INCH  
503+04.34, 140.71' RT TO 503+10.66, 170.43' RT 160 SO FT

X0301430 PRECAST CONCRETE PARKING BLOCK  
501+94.94, 48.24' RT TO 503+12.35, 128.30' RT 34 EACH

PROP. CURVE BRC1  
P.I. STA. 501+55.30  
Δ = 65° 11' 23" (RT)  
D = 57° 17' 45"  
R = 100.00'  
T = 63.94'  
L = 113.78'  
E = 18.69'  
P.C. STA. 500+91.36  
P.T. STA. 502+05.14



X2600016  
MINOR SIGN COMPLETE  
STA 501+84.00, 42.00' RT  
1 EACH



860.00 - INDICATES FINISHED PAVEMENT SURFACE ELEVATION

40600290 BITUMINOUS MATERIALS (TACK COAT)  
STA 501+91.24, 49.49' RT TO STA 503+11.28, 82.52' RT 531.5 POUND

40600627 LEVELING BINDER (MACHINE METHOD), IL-9.5FG, N50 (3/4")  
RT STA 501+86.30 TO RT STA 503+15.58 49.6 TON

40603335 HOT-MIX ASPHALT SURFACE COURSE, MIX "D", N50 (1 1/2")  
STA 501+91.24, 49.49' RT TO STA 503+11.28, 82.52' RT 99.2 TON

78006100 PREFORMED THERMOPLASTIC PAVEMENT MARKING - LETTERS AND SYMBOLS  
STA 502+38.35, 17.14' RT 6.2 SO FT  
STA 502+52.74, 24.13' RT 6.2 SO FT  
STA 502+87.62, 136.46' RT 6.2 SO FT  
STA 502+94.21, 128.46' RT 6.2 SO FT

78000200 THERMOPLASTIC PAVEMENT MARKING LINE - 4"  
STA 501+89.90, 44.10' RT TO 503+12.40, 115.30' RT (WHITE) 880 FOOT  
STA 502+26.52, 148.57' RT TO 502+59.52, 180.28' RT (YELLOW) 650 FOOT  
STA 502+62.17, 139.06' RT TO 502+79.17, 176.54' RT (WHITE) 160 FOOT  
STA 502+90.60, 52.60' RT TO 503+15.00, 38.50' RT (YELLOW) 316 FOOT

78000400 THERMOPLASTIC PAVEMENT MARKING LINE - 6" (YELLOW)  
STA 502+32.50, 16.50' RT TO 502+70.05, 12.40' RT 418 FOOT  
STA 502+81.85, 135.48' RT TO 503+16.60, 141.10' RT 520 FOOT

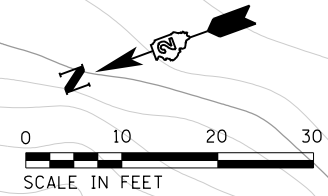
72000100 SIGN PANEL - TYPE 1  
STA 502+50.00, 4.00' LT (R7-8 & R7-101) 2.0 SO FT  
STA 502+63.70, 7.15' RT (R7-8 & R7-101) 2.0 SO FT  
STA 502+97.25, 175.27' RT (R7-8 & R7-101) 2.0 SO FT  
STA 503+16.69, 130.22' RT (R7-8 & R7-101) 2.0 SO FT

72800100 TELESCOPING STEEL SIGN SUPPORT  
STA 502+50.00, 4.00' LT 12 FOOT  
STA 502+63.70, 7.15' RT 12 FOOT  
STA 502+97.25, 175.27' RT 12 FOOT  
STA 503+16.69, 130.22' RT 12 FOOT

FILE NAME =	USER NAME = joeb	DESIGNED - R.H.D./J.E.B.	REVISED -	<b>STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION</b>	<b>BOAT RAMP / CONCESSIONS PARKING LOT LAKE LE-AQUA-NA STATE PARK</b>			F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
C - Parking Lot_B R-C.dgn	PLOT SCALE = 20.0000' / in.	CHECKED - R.H.D.	REVISED -					LAKE LE-AQUA-NA 2018	STEPHENSON	308	129	
Default	PLOT DATE = 9/3/2019	DATE - 8/28/19	REVISED -		SCALE: 1" = 20'			SHEET OF SHEETS	STA. 40+25.00 TO STA. 44+00.00	CONTRACT NO. 46906		
ILLINOIS FED. AID PROJECT												

RAD. PT.	STATION	OFFSET	RADIUS
R1	199+15.22	23.76' LT	10.00'
R2	199+20.64	37.11' LT	5.00'

900.00 - INDICATES FINISHED PAVEMENT SURFACE ELEVATION



No.	STATION	OFFSET	PR ELEV
A	199+27.53	13.77' LT	912.70
B	199+37.33	23.46' LT	913.95
C	199+37.74	36.96' LT	915.34
D	199+32.90	42.11' LT	915.81
E	199+17.91	42.57' LT	915.87
F	199+20.84	137.62' LT	919.80
G	202+71.50	122.17' LT	909.51
H	201+82.25	44.22' LT	910.50
I	201+18.41	44.35' LT	912.62
J	200+86.81	43.00' LT	913.45
K	200+17.78	43.00' LT	914.81
L	200+17.72	48.00' LT	915.10
M	199+92.56	47.20' LT	915.42
N	199+92.61	43.00' LT	915.22
O	199+64.31	43.00' LT	915.63
P	199+59.25	23.97' LT	913.71
R	200+89.70	22.09' LT	911.59
S	202+15.50	108.81' LT	909.78
T	202+38.10	106.73' LT	909.71
U	201+57.21	44.65' LT	911.26
V	201+82.20	43.90' LT	910.97
W	201+56.09	105.17' LT	910.09

40600290 BITUMINOUS MATERIALS (TACK COAT)  
STA 199+18.00, 42.57' LT TO STA 201+82.25, 44.20' LT 1,212.5 POUND

40600627 LEVELING BINDER (MACHINE METHOD), IL-9.5FG, N50  
STA 199+18.00, 42.57' LT TO STA 201+82.25, 44.20' LT 232.6 TON

40603335 HOT-MIX ASPHALT SURFACE COURSE, MIX "D", N50  
STA 199+18.00, 42.57' LT TO STA 201+82.25, 44.20' LT 227.6 TON

44.95' (MINIMUM)

8.5' (TYP)

20' (TYP)

8.5' (TYP)

21.56'

8'

11'

5'

11'

5'

11'

9.52'

78006100 PREFORMED THERMOPLASTIC PAVEMENT MARKING - LETTERS AND SYMBOLS  
STA 201+59.00, 50.00' LT 6.2 SQ FT  
STA 201+59.00, 65.00' LT 6.2 SQ FT  
STA 201+59.00, 80.00' LT 6.2 SQ FT

78000200 THERMOPLASTIC PAVEMENT MARKING LINE - 4"  
STA 199+18.00, 42.57' LT TO STA 201+47.20, 107.20' LT (WHITE) 900 FOOT  
STA 199+20.00, 114.50' LT TO STA 199+40.30, 114.00' LT (YELLOW) 181 FOOT  
STA 201+56.00, 105.00' LT TO STA 202+71.50, 122.20' LT (YELLOW) 145 FOOT

78000400 THERMOPLASTIC PAVEMENT MARKING LINE - 6" (YELLOW)  
STA 201+57.20, 46.50' LT TO STA 202+08.15, 104.00' LT 345 FOOT

72000100 SIGN PANEL - TYPE 1  
201+97.00, 59.00' LT R7-8 (1.5) & R7-101 (0.5) 2.0 SQ FT  
202+03.00, 74.00' LT R7-8 (1.5) & R7-101 (0.5) 2.0 SQ FT  
202+12.50, 90.00' LT R7-8 (1.5) & R7-101 (0.5) 2.0 SQ FT

72800100 TELESCOPING STEEL SIGN SUPPORT  
201+97.00, 59.00' LT 12 FOOT  
202+03.00, 74.00' LT 12 FOOT  
202+12.50, 90.00' LT 12 FOOT

X0301430 PRECAST CONCRETE PARKING BLOCKS  
STA 199+07.00, 47.00' LT - 201+85.00, 101.00' LT 47 EACH

FILE NAME =	USER NAME = joeb	DESIGNED - R.H.D./J.E.B.	REVISED -
C - Parking Lot_Main Shelter.dgn		DRAWN - J.E.B.	REVISED -
Default	PLOT SCALE = 20.0000' / in.	CHECKED - R.H.D.	REVISED -
	PLOT DATE = 9/3/2019	DATE - 8/28/19	REVISED -

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

EAST PARKING LOT  
LAKE LE-AQUA-NA STATE PARK

SCALE: 1" = 20' SHEET OF SHEETS STA. 199+00.00 TO STA. 202+50.00

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	LAKE LE-AQUA-NA 2018	STEPHENSON	308	130
				CONTRACT NO. 46906
ILLINOIS FED. AID PROJECT				



72000100	SIGN PANEL - TYPE 1	STA 307+24.20, 56.95' RT (R7-8 & R7-10)	2.0 SQ FT
73000100	WOOD SIGN SUPPORT	STA 307+24.20, 56.95' RT	12 FOOT
78006100	PREFORMED THERMOPLASTIC PAVEMENT MARKING - LETTERS AND SYMBOLS	STA 307+30.36, 38.62' RT	6.2 SQ FT
78000200	THERMOPLASTIC PAVEMENT MARKING LINE - 4" (WHITE)	STA 306+84.90, 47.82' RT TO 307+43.95, 40.10' RT	200 FOOT
78000400	THERMOPLASTIC PAVEMENT MARKING LINE - 6" (YELLOW)	STA 307+17.37, 54.00' RT TO 307+35.80, 37.93' RT	208 FOOT
X0301430	PRECAST PARKING BLOCKS	STA 306+81.06, 45.17' RT TO 307+43.87, 58.62' RT	8 EACH

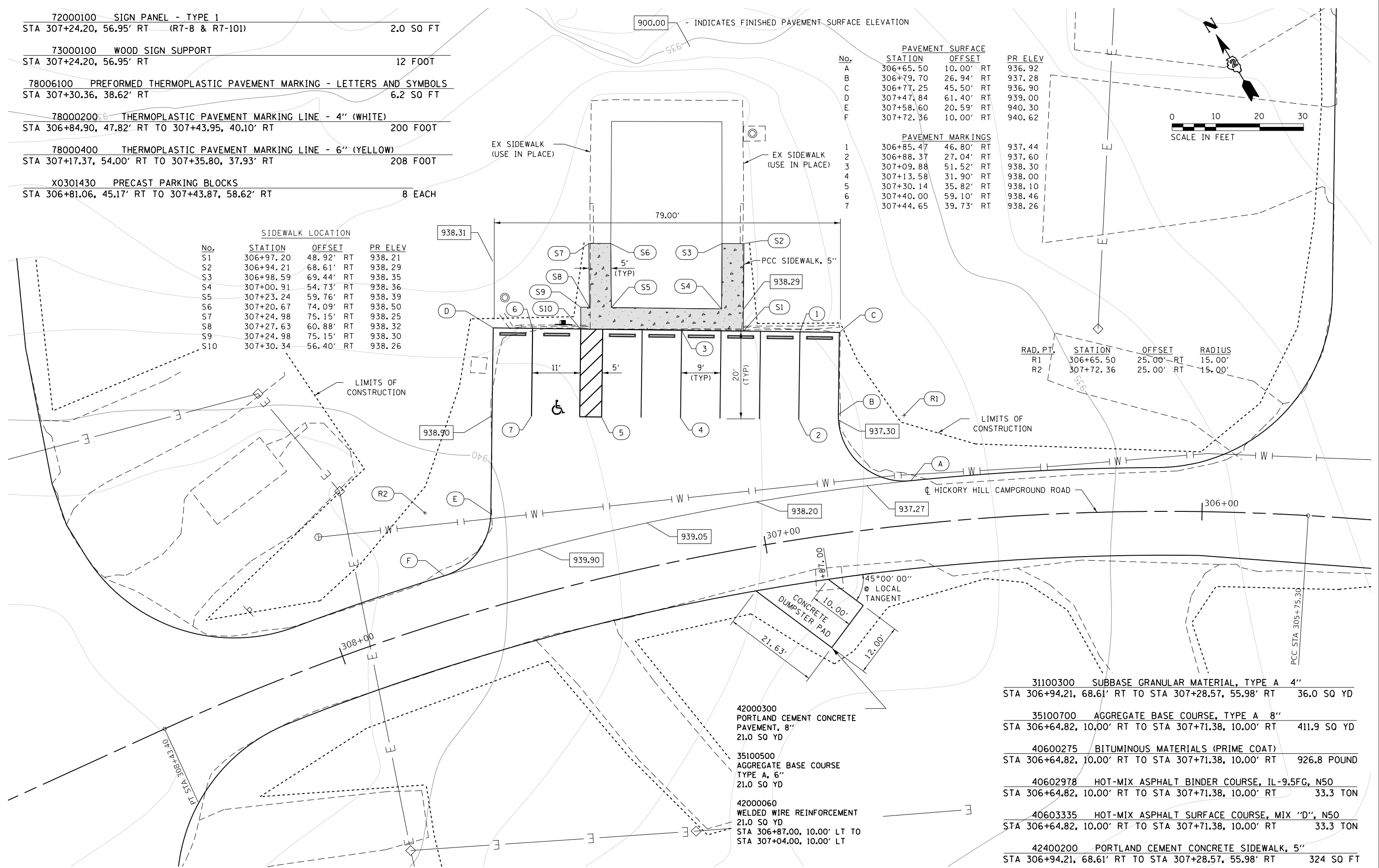
No.	STATION	OFFSET	PR ELEV
S1	306+97.20	48.92' RT	938.21
S2	306+94.21	68.61' RT	938.29
S3	306+98.59	69.44' RT	938.35
S4	307+00.91	54.73' RT	938.36
S5	307+23.24	59.76' RT	938.39
S6	307+20.67	74.09' RT	938.50
S7	307+24.98	75.15' RT	938.25
S8	307+27.63	60.88' RT	938.32
S9	307+24.98	75.15' RT	938.30
S10	307+30.34	56.40' RT	938.26

No.	STATION	OFFSET	PR ELEV
A	306+65.50	10.00' RT	936.92
B	306+79.70	26.94' RT	937.28
C	306+77.25	45.50' RT	936.90
D	307+47.84	61.40' RT	939.00
E	307+58.60	20.59' RT	940.30
F	307+72.36	10.00' RT	940.62

No.	STATION	OFFSET	PR ELEV
1	306+85.47	46.80' RT	937.44
2	306+88.37	27.04' RT	937.60
3	307+09.88	51.52' RT	938.30
4	307+13.58	31.90' RT	938.00
5	307+30.14	35.82' RT	938.10
6	307+40.00	59.10' RT	938.46
7	307+44.65	39.73' RT	938.26

RAD. PT.	STATION	OFFSET	RADIUS
R1	306+65.50	25.00' RT	15.00'
R2	307+72.36	25.00' RT	15.00'



- 42000300 PORTLAND CEMENT CONCRETE PAVEMENT, 8" 21.0 SQ YD
- 35100500 AGGREGATE BASE COURSE TYPE A, 6" 21.0 SQ YD
- 42000060 WELDED WIRE REINFORCEMENT 21.0 SQ YD STA 306+87.00, 10.00' LT TO STA 307+04.00, 10.00' LT

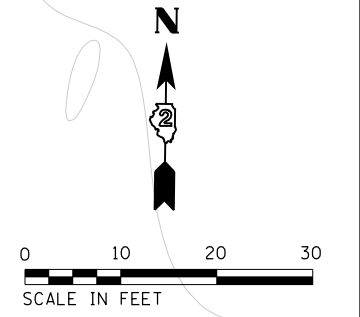
- 31100300 SUBBASE GRANULAR MATERIAL, TYPE A 4" STA 306+94.21, 68.61' RT TO STA 307+28.57, 55.98' RT 36.0 SQ YD
- 35100700 AGGREGATE BASE COURSE, TYPE A 8" STA 306+64.82, 10.00' RT TO STA 307+71.38, 10.00' RT 411.9 SQ YD
- 40600275 BITUMINOUS MATERIALS (PRIME COAT) STA 306+64.82, 10.00' RT TO STA 307+71.38, 10.00' RT 926.8 POUND
- 40602978 HOT-MIX ASPHALT BINDER COURSE, IL-9.5FG, N50 STA 306+64.82, 10.00' RT TO STA 307+71.38, 10.00' RT 33.3 TON
- 40603335 HOT-MIX ASPHALT SURFACE COURSE, MIX "D", N50 STA 306+64.82, 10.00' RT TO STA 307+71.38, 10.00' RT 33.3 TON
- 42400200 PORTLAND CEMENT CONCRETE SIDEWALK, 5" STA 306+94.21, 68.61' RT TO STA 307+28.57, 55.98' RT 324 SQ FT





NOTE:  
 THE 4 BOLLARDS GUARDING THE FUEL TANKS ARE TO BE USED IN PLACE. THE CONTRACTOR SHALL EXERCISE CARE WHILE REMOVING THE EXISTING ASPHALT FROM AROUND THEM.  
 or  
 REMOVE AND REPLACE BOLLARDS 4 EACH.

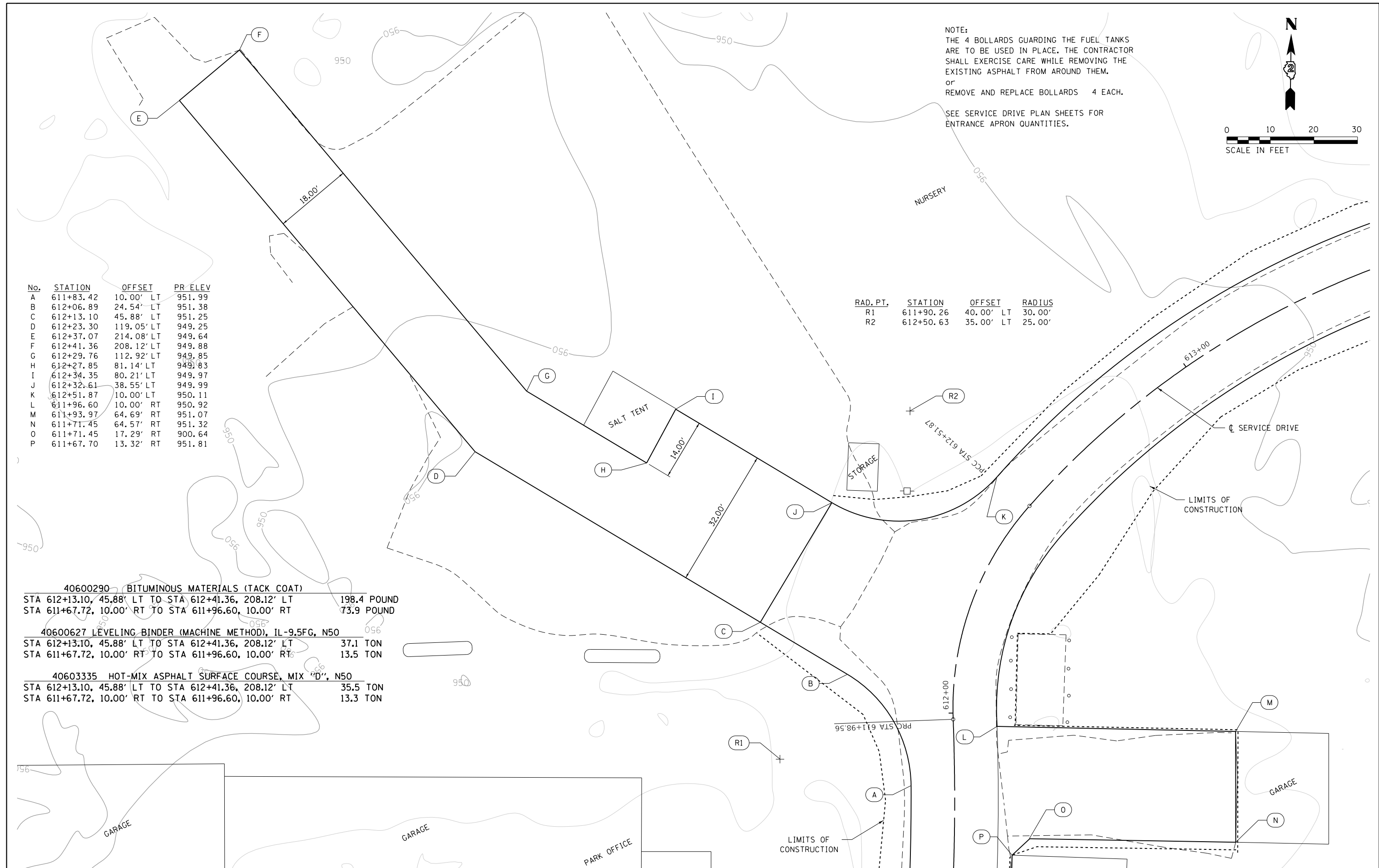
SEE SERVICE DRIVE PLAN SHEETS FOR ENTRANCE APRON QUANTITIES.

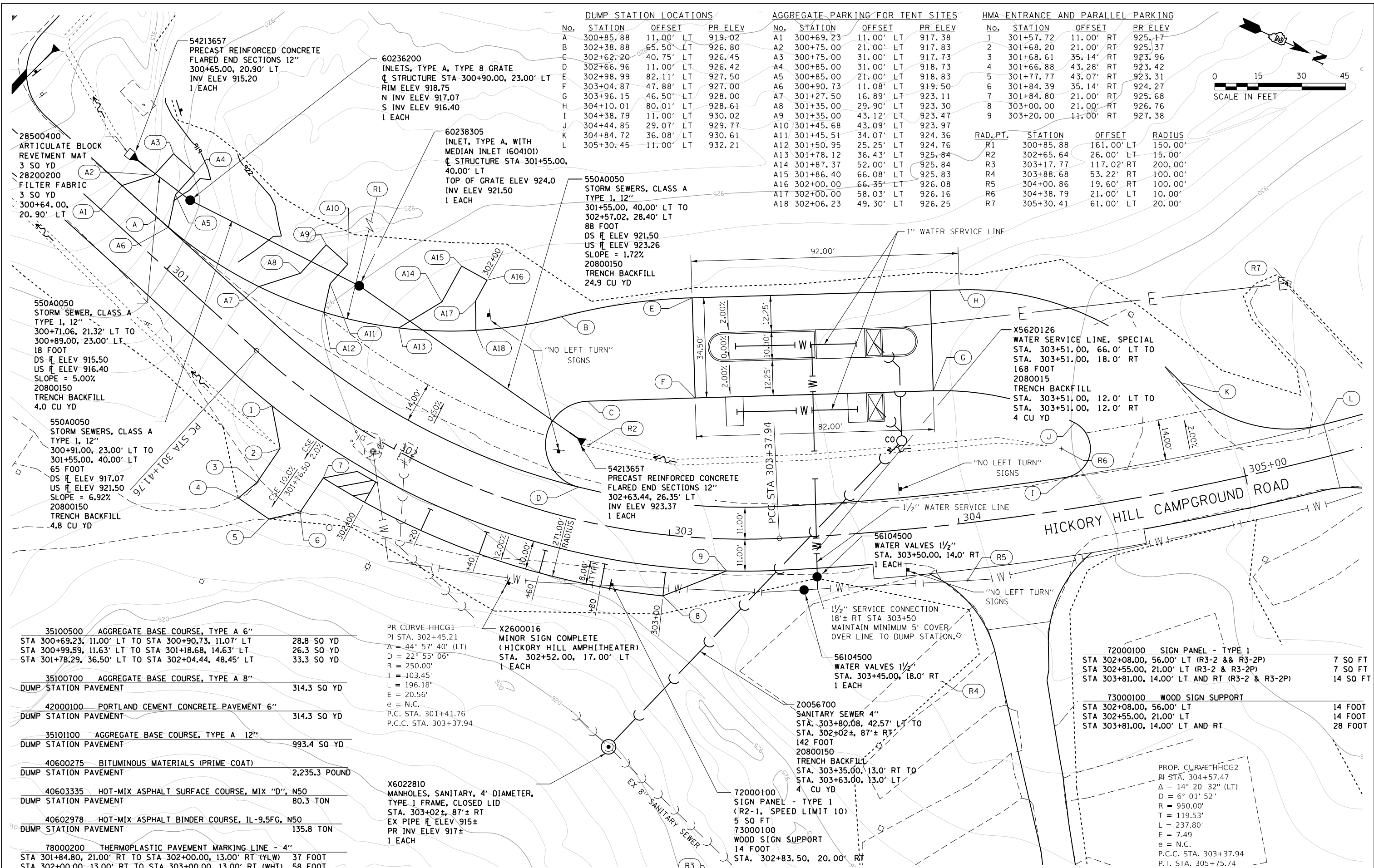


No.	STATION	OFFSET	PR ELEV
A	611+83.42	10.00' LT	951.99
B	612+06.89	24.54' LT	951.38
C	612+13.10	45.88' LT	951.25
D	612+23.30	119.05' LT	949.25
E	612+37.07	214.08' LT	949.64
F	612+41.36	208.12' LT	949.88
G	612+29.76	112.92' LT	949.85
H	612+27.85	81.14' LT	949.83
I	612+34.35	80.21' LT	949.97
J	612+32.61	38.55' LT	949.99
K	612+51.87	10.00' RT	950.11
L	611+96.60	10.00' RT	950.92
M	611+93.97	64.69' RT	951.07
N	611+71.45	64.57' RT	951.32
O	611+71.45	17.29' RT	900.64
P	611+67.70	13.32' RT	951.81

RAD. PT.	STATION	OFFSET	RADIUS
R1	611+90.26	40.00' LT	30.00'
R2	612+50.63	35.00' LT	25.00'

40600290 BITUMINOUS MATERIALS (TACK COAT)			
STA 612+13.10, 45.88' LT TO STA 612+41.36, 208.12' LT	198.4 POUND		
STA 611+67.72, 10.00' RT TO STA 611+96.60, 10.00' RT	73.9 POUND		
40600627 LEVELING BINDER (MACHINE METHOD), IL-9.5FG, N50			
STA 612+13.10, 45.88' LT TO STA 612+41.36, 208.12' LT	37.1 TON		
STA 611+67.72, 10.00' RT TO STA 611+96.60, 10.00' RT	13.5 TON		
40603335 HOT-MIX ASPHALT SURFACE COURSE, MIX "D", N50			
STA 612+13.10, 45.88' LT TO STA 612+41.36, 208.12' LT	35.5 TON		
STA 611+67.72, 10.00' RT TO STA 611+96.60, 10.00' RT	13.3 TON		





**DUMP STATION LOCATIONS**

No.	STATION	OFFSET	PR ELEV
A	300+85.88	11.00' LT	919.02
B	302+38.88	65.50' LT	926.80
C	302+62.20	40.75' LT	926.45
D	302+66.96	11.00' LT	926.42
E	302+98.99	82.11' LT	927.50
F	303+04.87	47.88' LT	927.00
G	303+96.15	46.50' LT	928.00
H	304+10.01	80.01' LT	928.61
I	304+38.79	11.00' LT	930.02
J	304+44.85	29.07' LT	929.77
K	304+84.72	36.08' LT	930.61
L	305+30.45	11.00' LT	932.21

**AGGREGATE PARKING FOR TENT SITES**

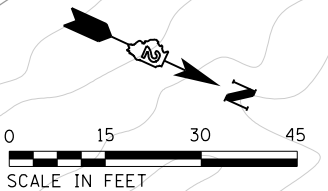
No.	STATION	OFFSET	PR ELEV
A1	300+69.23	11.00' LT	917.38
A2	300+75.00	21.00' LT	917.83
A3	300+75.00	31.00' LT	917.73
A4	300+85.00	31.00' LT	918.73
A5	300+85.00	21.00' LT	918.83
A6	300+90.73	11.08' LT	919.50
A7	301+27.50	16.89' LT	923.11
A8	301+35.00	29.90' LT	923.30
A9	301+35.00	43.12' LT	923.47
A10	301+45.68	43.09' LT	923.97
A11	301+45.51	34.07' LT	924.36
A12	301+50.95	25.25' LT	924.76
A13	301+78.12	36.43' LT	925.84
A14	301+87.37	52.00' LT	925.84
A15	301+86.40	66.08' LT	925.83
A16	302+00.00	66.35' LT	926.08
A17	302+00.00	58.03' LT	926.16
A18	302+06.23	49.30' LT	926.25

**HMA ENTRANCE AND PARALLEL PARKING**

No.	STATION	OFFSET	PR ELEV
1	301+57.72	11.00' RT	925.17
2	301+68.20	21.00' RT	925.37
3	301+68.61	35.14' RT	923.96
4	301+66.88	43.28' RT	923.42
5	301+77.77	43.07' RT	923.31
6	301+84.39	35.14' RT	924.27
7	301+84.80	21.00' RT	925.68
8	303+00.00	21.00' RT	926.76
9	303+20.00	11.00' RT	927.38

**RAD. PT.**

RAD. PT.	STATION	OFFSET	RADIUS
R1	300+85.88	161.00' LT	150.00'
R2	302+65.64	26.00' LT	15.00'
R3	303+17.77	117.02' RT	200.00'
R4	303+88.68	53.22' RT	100.00'
R5	304+00.86	19.60' RT	100.00'
R6	304+38.79	21.00' LT	10.00'
R7	305+30.41	61.00' LT	20.00'



35100500	AGGREGATE BASE COURSE, TYPE A 6"	28.8 SO YD
	STA 300+69.23, 11.00' LT TO STA 300+90.73, 11.07' LT	26.3 SO YD
	STA 300+99.59, 11.63' LT TO STA 301+18.68, 14.63' LT	33.3 SO YD
	STA 301+78.29, 36.50' LT TO STA 302+04.44, 48.45' LT	
35100700	AGGREGATE BASE COURSE, TYPE A 8"	314.3 SO YD
	DUMP STATION PAVEMENT	
42000100	PORTLAND CEMENT CONCRETE PAVEMENT 6"	314.3 SO YD
	DUMP STATION PAVEMENT	
35101100	AGGREGATE BASE COURSE, TYPE A 12"	993.4 SO YD
	DUMP STATION PAVEMENT	
40600275	BITUMINOUS MATERIALS (PRIME COAT)	2,235.3 POUND
	DUMP STATION PAVEMENT	
40603335	HOT-MIX ASPHALT SURFACE COURSE, MIX "D", N50	80.3 TON
	DUMP STATION PAVEMENT	
40602978	HOT-MIX ASPHALT BINDER COURSE, IL-9.5FG, N50	135.8 TON
	DUMP STATION PAVEMENT	
78000200	THERMOPLASTIC PAVEMENT MARKING LINE - 4"	
	STA 301+84.80, 21.00' RT TO STA 302+00.00, 13.00' RT (YLW)	37 FOOT
	STA 302+00.00, 13.00' RT TO STA 303+00.00, 13.00' RT (WHT)	58 FOOT

PR CURVE HHC1  
 PI STA. 302+45.21  
 $\Delta = 44^\circ 57' 40''$  (LT)  
 $D = 22^\circ 55' 06''$   
 $R = 250.00'$   
 $T = 103.45'$   
 $L = 196.18'$   
 $E = 20.56'$   
 $e = N.C.$   
 P.C. STA. 301+41.76  
 P.C.C. STA. 303+37.94

X2600016  
 MINOR SIGN COMPLETE  
 (HICKORY HILL AMPHITHEATER)  
 STA. 302+52.00, 17.00' LT  
 1 EACH

X6022810  
 MANHOLES, SANITARY, 4' DIAMETER,  
 TYPE 1 FRAME, CLOSED LID  
 STA. 303+02±, 87'± RT  
 EX PIPE  $\bar{r}$  ELEV 915±  
 PR INV ELEV 917±  
 1 EACH

FILE NAME =  
 C - Dump Station\_Hickory Hill.dgn

USER NAME = joeb

DESIGNED	REVISION
R.H.D./J.E.B.	REVISED -
J.E.B.	REVISED -
R.H.D.	REVISED -
	REVISED -
	REVISED -

DATE - 8/28/19

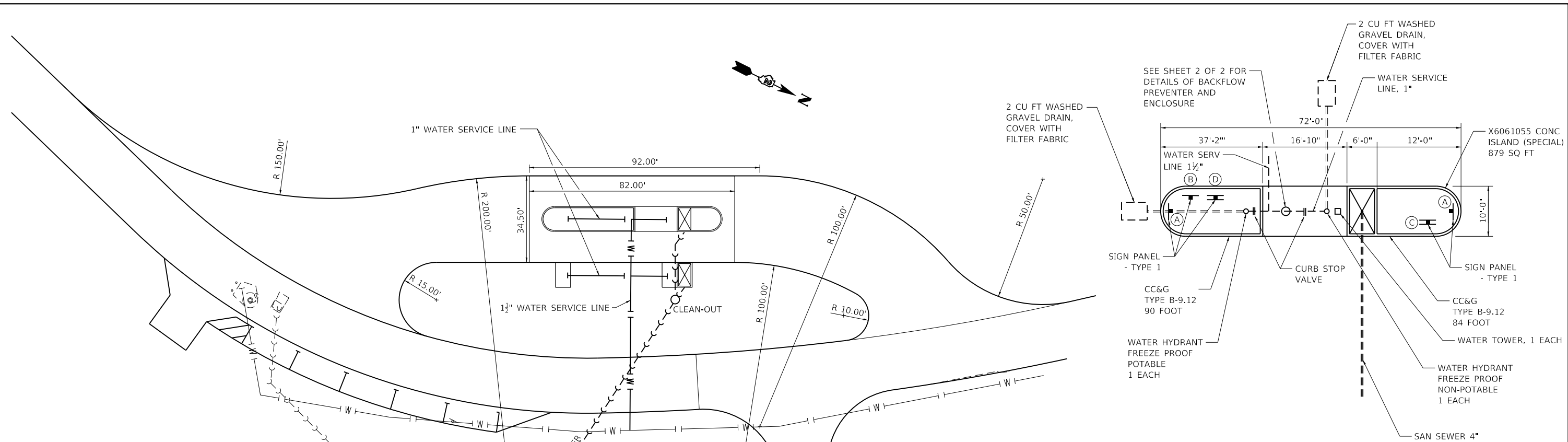
**STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION**

**DUMP STATION - HICKORY HILL CAMPGROUND  
 LAKE LE-AQUA-NA STATE PARK**

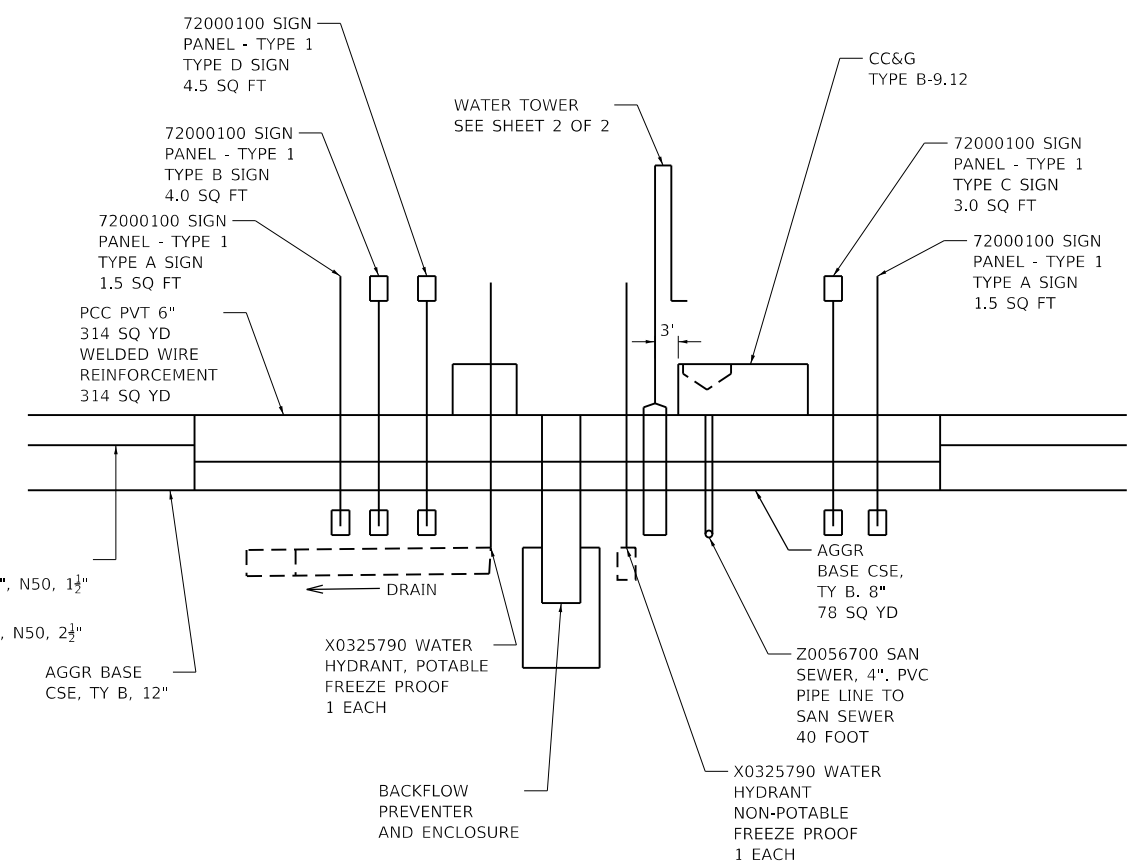
SCALE: 1" = 20' SHEET 1 OF 3 SHEETS STA. 302+00.00 TO STA. 305+00.00

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	LAKE LE-AQUA-NA 2018	STEPHENSON	308	135
				CONTRACT NO. 46906
ILLINOIS FED. AID PROJECT				

MODEL: Default  
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**SANITARY SEWER - PLAN VIEW**



**SANITARY SEWER - PROFILE VIEW**

- SIGNAGE**
- (A) "SANITARY DUMP STATION" (SINGLE SIDE)
  - (B) "INSTRUCTIONS" (SINGLE SIDE)
  - (C) "DANGER" (DOUBLE SIDES) \*
  - (D) "DRINKING WATER" (DOUBLE SIDES) \*
- \* TWO SIGNS PER POST
- (A) 12" X 18" USE STANDARD OR INTERNATIONAL COLORS FOR SIGNS, WHERE APPROPRIATE. OTHER SIGNS TO BE WHITE ON BROWN
  - (B) 24" X 12"
  - (C) 18" X 12"
  - (D) 18" X 18" PER IDNR STANDARDS.

\*\* TRAILERS HOLDING TANK DISPOSAL INSTRUCTIONS - CONNECT YOUR HOSE TO HOLDING TANK. PLACE END SECURELY IN DRAIN HATCH WHILE HOLDING COVER OPEN WITH FOOT. OPEN TRAILER WASTE VALVE. FLUSH AWAY ANY SPILLAGE ON CONCRETE INTO DRAIN.

USER NAME = joeb	DESIGNED - R.H.D.	REVISED -
	DRAWN - S.D.K.	REVISED -
PLOT SCALE = 40.0000' / in.	CHECKED - R.H.D.	REVISED -
PLOT DATE = 9/23/2019	DATE - 8/28/19	REVISED -

**STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION**

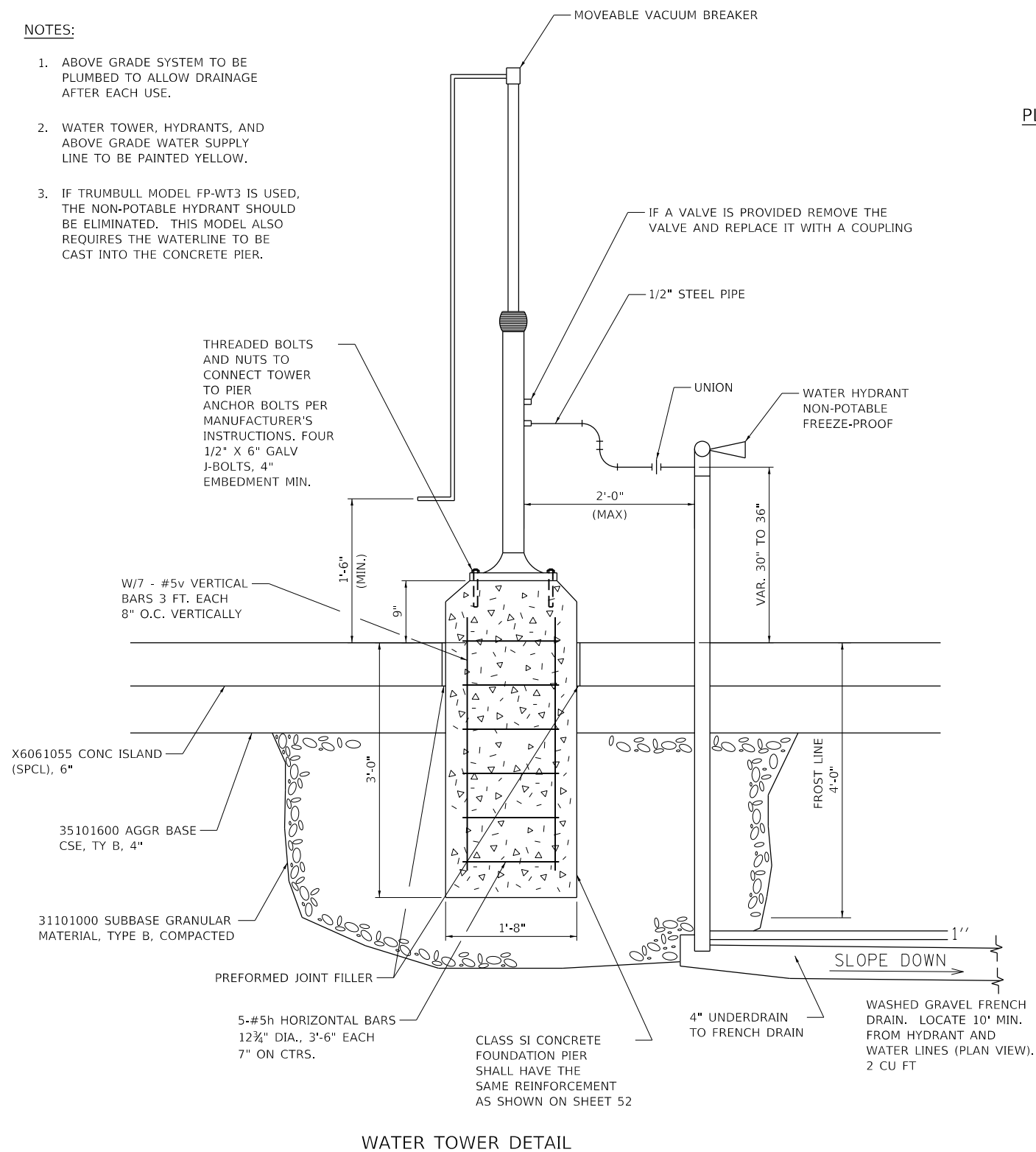
**DUMP STATION DETAILS  
 LAKE LE-AQUA-NA STATE PARK**

SCALE: SHEET 2 OF 3 SHEETS STA. TO STA.

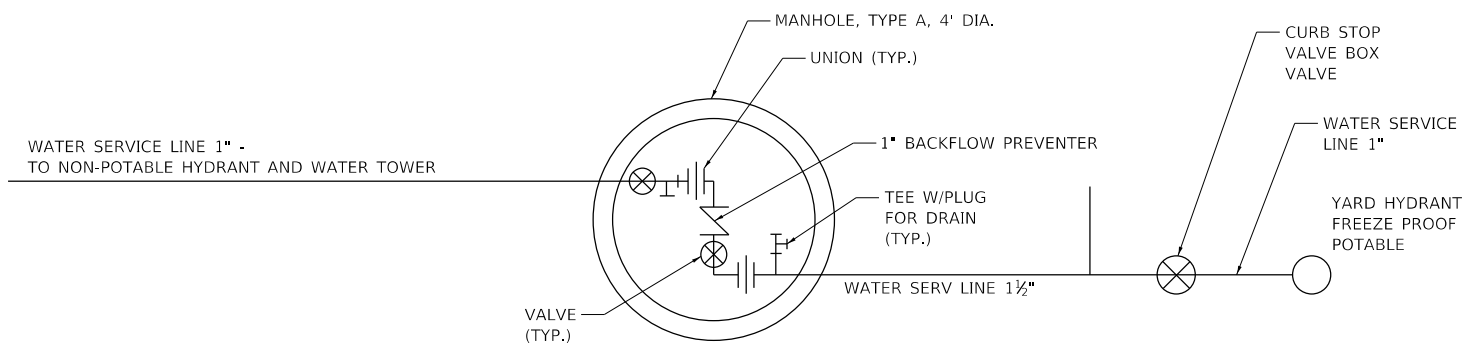
F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	LAKE LE-AQUA-NA 2018	STEPHENSON	308	136
ILLINOIS FED. AID PROJECT			CONTRACT NO. 46906	

**NOTES:**

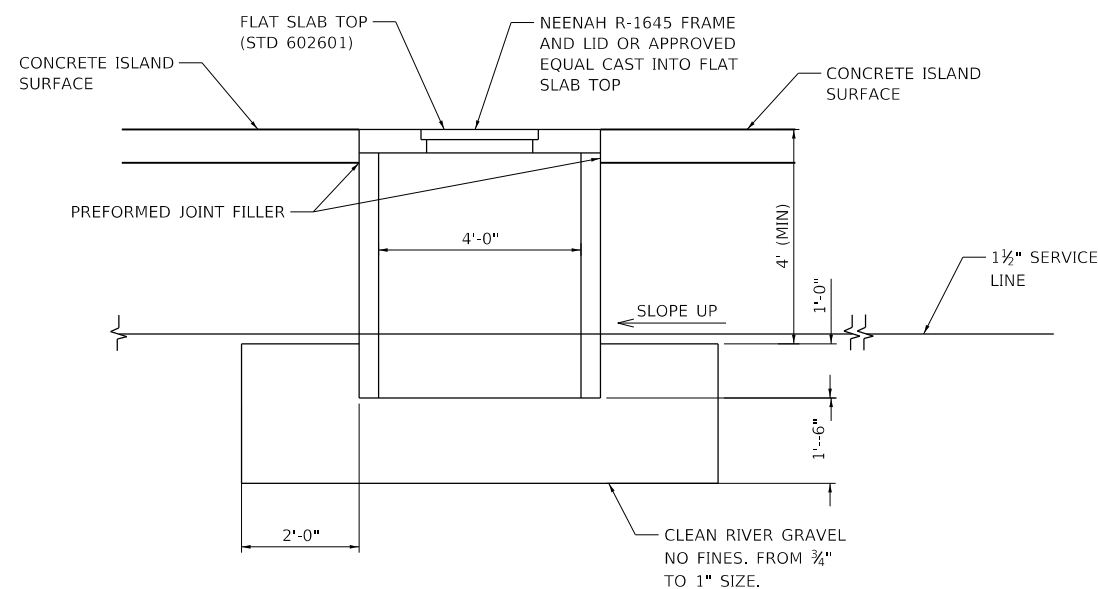
1. ABOVE GRADE SYSTEM TO BE PLUMBED TO ALLOW DRAINAGE AFTER EACH USE.
2. WATER TOWER, HYDRANTS, AND ABOVE GRADE WATER SUPPLY LINE TO BE PAINTED YELLOW.
3. IF TRUMBULL MODEL FP-WT3 IS USED, THE NON-POTABLE HYDRANT SHOULD BE ELIMINATED. THIS MODEL ALSO REQUIRES THE WATERLINE TO BE CAST INTO THE CONCRETE PIER.



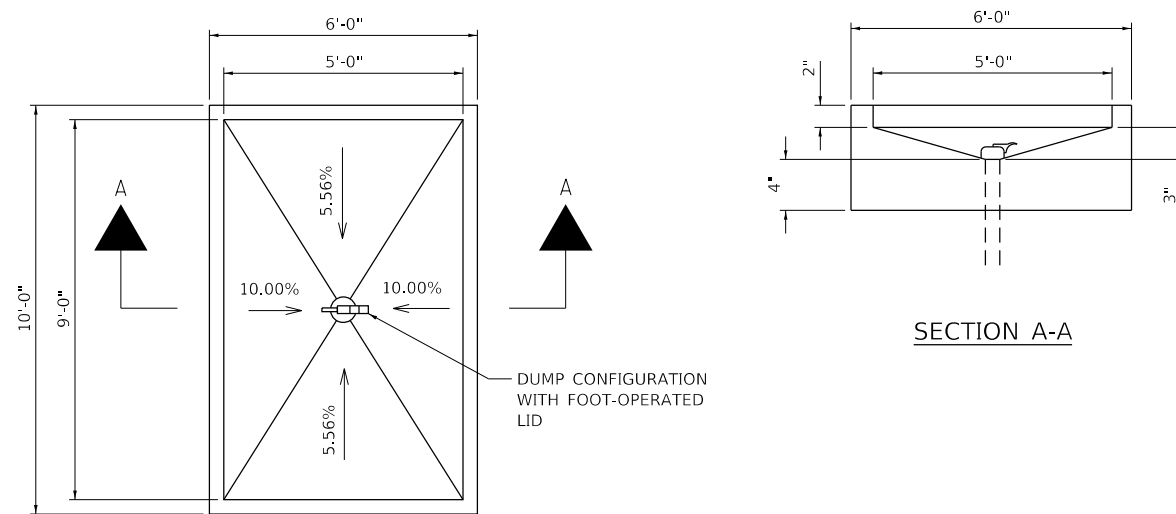
**WATER TOWER DETAIL**



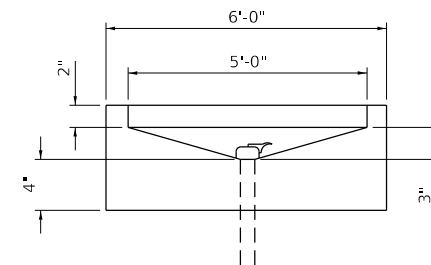
**PLAN VIEW X0325777 BACKFLOW PREVENTER AND ENCLOSURE - 2 EACH**



**ELEVATION VIEW  
BACKFLOW PREVENTER MANHOLE**



**DUMP STATION DETAIL**



**SECTION A-A**

MODEL: Default  
FILE NAME: S:\CAD Drawings\CAD Drawings\250250-1411250-1411 Le Aqua NaC - Sheets\_Cover-500-Detail\C - Dump Station Detail.dgn

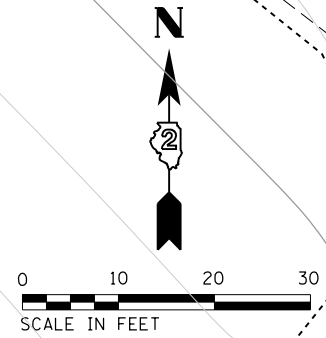
USER NAME = joeb	DESIGNED - R.H.D.	REVISED -
	DRAWN - S.D.K.	REVISED -
PLOT SCALE = 40.0000' / in.	CHECKED - R.H.D.	REVISED -
PLOT DATE = 9/23/2019	DATE - 8/28/19	REVISED -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**DUMP STATION DETAILS  
LAKE LE-AQUA-NA STATE PARK**

SCALE: SHEET 3 OF 3 SHEETS STA. TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	LAKE LE-AQUA-NA 2018	STEPHENSON	308	137
			CONTRACT NO. 46906	
		ILLINOIS	FED. AID PROJECT	



**AGGREGATE FOR CAMPER PARKING AND CONCRETE PAD FOR HOST SITE**

No.	STATION	OFFSET	PR ELEV
A	309+45.39	62.14' RT	943.26
B	309+48.67	70.18' RT	943.20
C	309+53.15	46.76' RT	943.65
D	309+60.71	65.27' RT	943.30
E	309+62.41	42.98' RT	943.75
F	309+69.97	61.50' RT	943.37

X5620126  
WATER SERVICE LINE, SPECIAL  
STA. 309+67, 13' RT TO  
STA. 309+67, 48' RT  
35 FOOT

CONSTRUCT AND PAY  
FOR HOST SITE  
CONCRETE PATIO SLAB  
AS PCC SIDEWALK 5"

X0325790  
WATER HYDRANT,  
POTABLE  
FREEZE PROOF  
1 EACH

1" WATER SERVICE LINE  
56104400  
WATER VALVES 1"  
STA. 309+67, 16' RT  
1 EACH

Z0056700  
SANITARY SEWER 4"  
STA. ±309+15, ±55' RT TO  
STA. ±309+35, ±58' RT  
40 FOOT

X2600016  
MINOR SIGN COMPLETE  
(HICKORY HILL CAMPGROUND  
- HOST SITE)  
STA. 309+20, 14' RT  
1 EACH

X5620126  
WATER SERVICE LINE, SPECIAL  
STA. 307+96, 27' RT TO  
STA. 309+70, 13' RT  
174 FOOT

56104500  
WATER VALVES 1 1/2"  
STA. 309+70, 13' RT  
1 EACH

31100300 SUBBASE GRANULAR MATERIAL, TYPE A 4"  
STA 309+53.15, 46.76' RT TO STA 309+69.97, 61.50' RT 22.2 SQ YD

35100500 AGGREGATE BASE COURSE, TYPE A 6"  
STA 309+45.39, 62.14' RT TO STA 309+60.71, 65.27' RT 12.4 SQ YD

42400200 PORTLAND CEMENT CONCRETE SIDEWALK, 5"  
STA 309+53.15, 46.76' RT TO STA 309+69.97, 61.50' RT 200 SQ FT

1/2" SERVICE CONNECTION  
13' RT STA 309+67  
MAINTAIN MINIMUM 5' COVER  
OVER LINE TO HOST SITE.

1/2" WATER SERVICE LINE

EXISTING WATER VALVE

HICKORY HILL CAMPGROUND ROAD

MODEL: Default  
FILE: M:\GIS\Projects\CAD Drawings\CAD Drawings\309+50-141\1250-141\1 Le Aqua NA-C - Sheets\Cover-500-Detail-1-C - Host Site Detail.dgn

USER NAME = joeb	DESIGNED - J.E.B.	REVISED -
	DRAWN - S.D.K.	REVISED -
PLOT SCALE = 20.0000' / in.	CHECKED - R.H.D.	REVISED -
PLOT DATE = 9/23/2019	DATE - 8/28/19	REVISED -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**HICKORY HILL CAMPGROUND - HOST SITE PLAN  
LAKE LE-AQUA-NA STATE PARK**

SCALE: 1" = 20' SHEET 1 OF 1 SHEET STA. TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	LAKE LE-AQUA-NA 2018	STEPHENSON	308	137A
			CONTRACT NO. 46906	
ILLINOIS FED. AID PROJECT				







NOTE:  
SEE ALIGNMENTS SHEET FOR PROPOSED CENTERLINE  
STATIONING AND ALIGNMENT INFORMATION.

21101615 TOP SOIL FURNISH AND PLACE, 4"  
LT STA 105+00.00 TO LT STA 110+00.00 1,004 SQ YD  
RT STA 105+00.00 TO RT STA 107+52.57 550 SQ YD  
RT STA 108+02.00 TO RT STA 110+00.00 491 SQ YD

25100125 MULCH METHOD 3  
LT STA 105+00.00 TO LT STA 110+00.00 0.10 ACRE  
RT STA 105+00.00 TO RT STA 107+52.57 0.06 ACRE  
RT STA 108+02.00 TO RT STA 110+00.00 0.06 ACRE

K1004572 PRAIRIE SEEDING (SPECIAL)  
LT STA 105+00.00 TO LT STA 110+00.00 0.21 ACRE  
RT STA 105+00.00 TO RT STA 107+52.57 0.11 ACRE  
RT STA 108+02.00 TO RT STA 110+00.00 0.10 ACRE

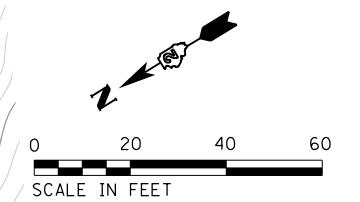
25100630  
EROSION CONTROL BLANKET  
STA. 105+00, 20' LT TO  
STA. 110+00, 21' LT  
514 SQ YD







28000500  
INLET AND PIPE PROTECTION  
STA. 107+30, 24' RT  
1 EACH

25100630  
EROSION CONTROL BLANKET  
STA. 105+00, 20' RT TO  
STA. 107+32, 24' RT  
222 SQ YD

281100105  
STONE RIPRAP, CLASS A3  
9 SQ YD  
28200200  
FILTER FABRIC  
9 SQ YD  
STA. 107+99, 76' RT

25100630  
EROSION CONTROL BLANKET  
STA. 108+02, 26' RT TO  
STA. 110+00, 23' RT  
200 SQ YD



-  - NEW HOT-MIX ASPHALT PAVEMENT
-  - EROSION CONTROL BLANKET
-  - TEMPORARY DITCH CHECK
-  - INLET AND PIPE PROTECTION
-  - DITCH FLOW DIRECTION
-  - DITCH SUMMIT

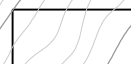
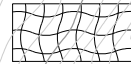




FILE NAME =	USER NAME = joeb	DESIGNED - J.E.B.	REVISED -
C - Erosion Control Plan, Main Park Road, 105+00.dgn		DRAWN - S.D.K.	REVISED -
Default	PLOT SCALE = 40.0000' / in.	CHECKED - R.H.D.	REVISED -
	PLOT DATE = 8/29/2019	DATE - 8/28/19	REVISED -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

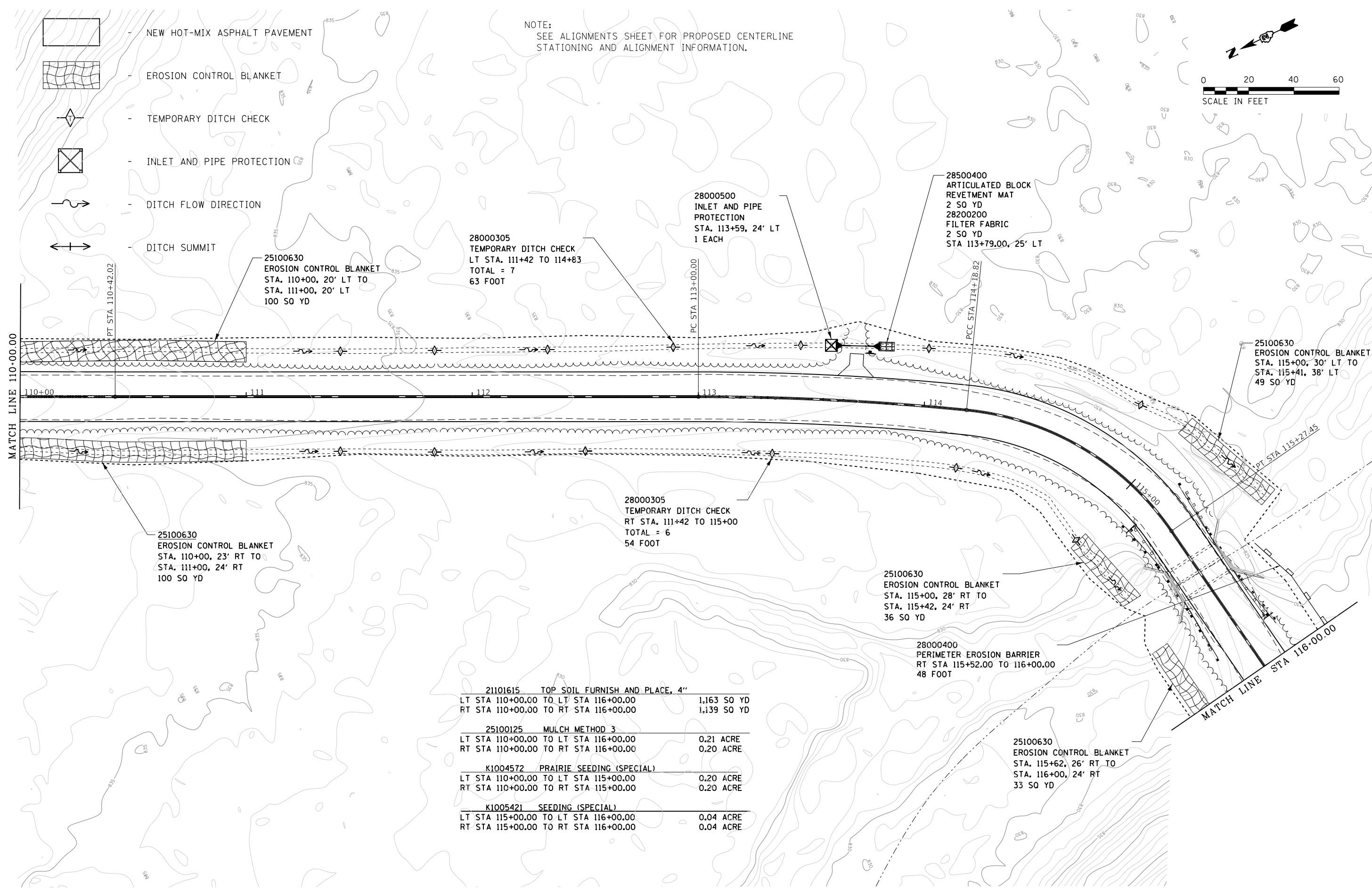
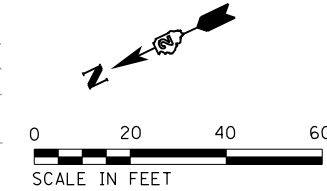
**MAIN PARK ROAD (EROSION CONTROL)  
LAKE LE-AQUA-NA STATE PARK**

SCALE: 1" = 20' SHEET OF SHEETS STA. 105+00.00 TO STA. 110+00.00

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	LAKE LE-AQUA-NA 2018	STEPHENSON	308	139
			CONTRACT NO. 46906	
ILLINOIS FED. AID PROJECT				

-  - NEW HOT-MIX ASPHALT PAVEMENT
-  - EROSION CONTROL BLANKET
-  - TEMPORARY DITCH CHECK
-  - INLET AND PIPE PROTECTION
-  - DITCH FLOW DIRECTION
-  - DITCH SUMMIT

NOTE:  
SEE ALIGNMENTS SHEET FOR PROPOSED CENTERLINE  
STATIONING AND ALIGNMENT INFORMATION.



25100630  
EROSION CONTROL BLANKET  
STA. 110+00, 20' LT TO  
STA. 111+00, 20' LT  
100 SQ YD

28000305  
TEMPORARY DITCH CHECK  
LT STA. 111+42 TO 114+83  
TOTAL = 7  
63 FOOT

28000500  
INLET AND PIPE  
PROTECTION  
STA. 113+59, 24' LT  
1 EACH

28500400  
ARTICULATED BLOCK  
REVETMENT MAT  
2 SQ YD  
28200200  
FILTER FABRIC  
2 SQ YD  
STA 113+79.00, 25' LT

25100630  
EROSION CONTROL BLANKET  
STA. 115+00, 30' LT TO  
STA. 115+41, 38' LT  
49 SQ YD

25100630  
EROSION CONTROL BLANKET  
STA. 110+00, 23' RT TO  
STA. 111+00, 24' RT  
100 SQ YD

28000305  
TEMPORARY DITCH CHECK  
RT STA. 111+42 TO 115+00  
TOTAL = 6  
54 FOOT

25100630  
EROSION CONTROL BLANKET  
STA. 115+00, 28' RT TO  
STA. 115+42, 24' RT  
36 SQ YD

28000400  
PERIMETER EROSION BARRIER  
RT STA 115+52.00 TO 116+00.00  
48 FOOT

25100630  
EROSION CONTROL BLANKET  
STA. 115+62, 26' RT TO  
STA. 116+00, 24' RT  
33 SQ YD

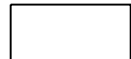





21101615 TOP SOIL FURNISH AND PLACE, 4"  
LT STA 110+00.00 TO LT STA 116+00.00 1,163 SQ YD  
RT STA 110+00.00 TO RT STA 116+00.00 1,139 SQ YD

25100125 MULCH METHOD 3  
LT STA 110+00.00 TO LT STA 116+00.00 0.21 ACRE  
RT STA 110+00.00 TO RT STA 116+00.00 0.20 ACRE

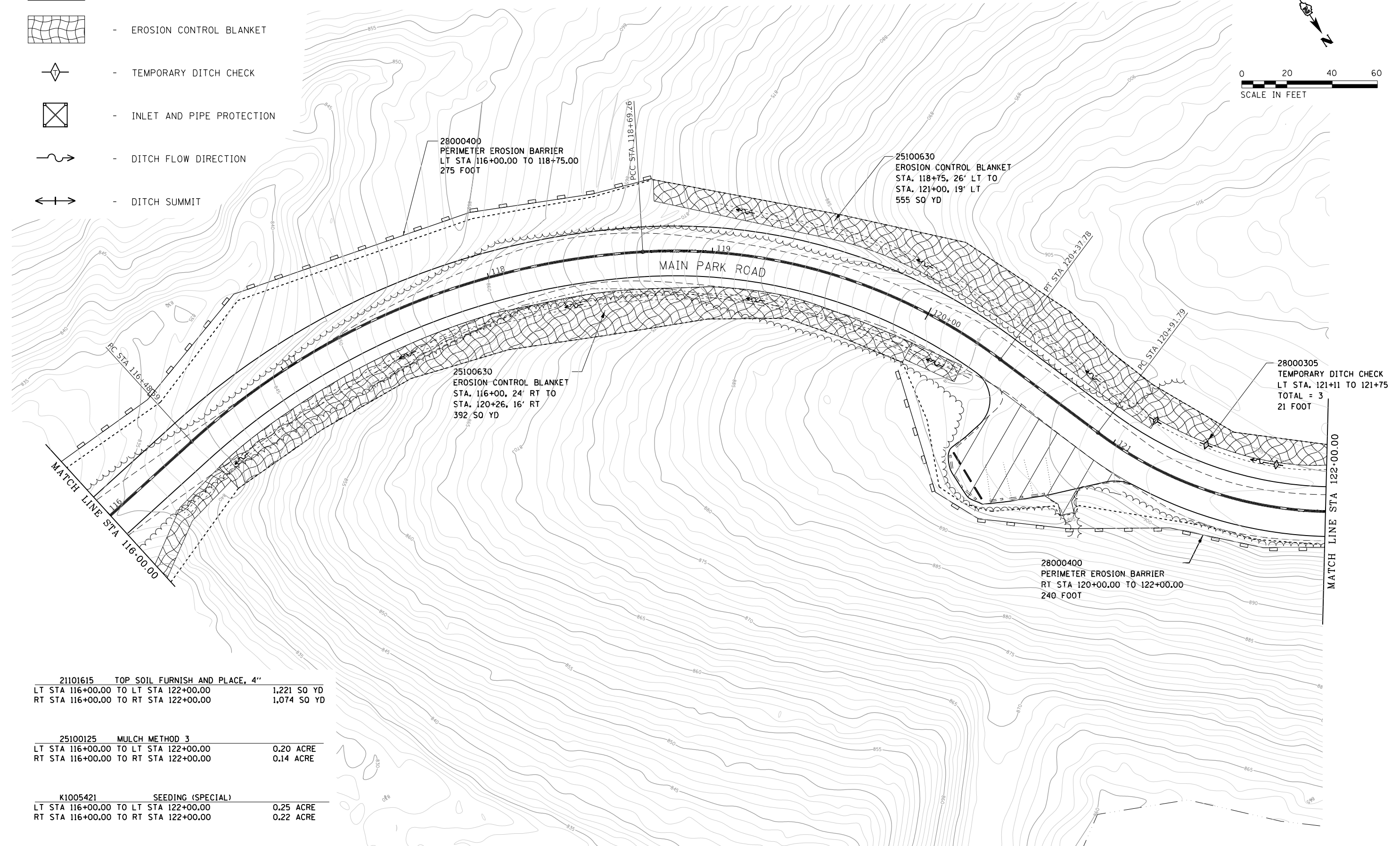
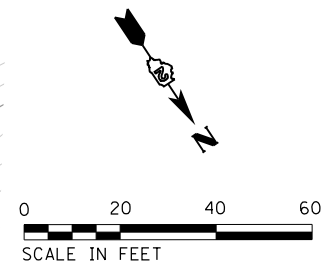
K1004572 PRAIRIE SEEDING (SPECIAL)  
LT STA 110+00.00 TO LT STA 115+00.00 0.20 ACRE  
RT STA 110+00.00 TO RT STA 115+00.00 0.20 ACRE

K1005421 SEEDING (SPECIAL)  
LT STA 115+00.00 TO LT STA 116+00.00 0.04 ACRE  
RT STA 115+00.00 TO RT STA 116+00.00 0.04 ACRE

FILE NAME =	USER NAME = joeb	DESIGNED - J.E.B.	REVISED -	<b>STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION</b>	<b>MAIN PARK ROAD (EROSION CONTROL) LAKE LE-AQUA-NA STATE PARK</b>			F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
C - Erosion Control Plan_Main Park Road_110+00.dgn		DRAWN - S.D.K.	REVISED -					LAKE LE-AQUA-NA 2018	STEPHENSON	308	140	
Default	PLOT SCALE = 40.0000' / in.	CHECKED - R.H.D.	REVISED -		SCALE: 1" = 20'			SHEET OF SHEETS STA. 110+00.00 TO STA. 116+00.00			CONTRACT NO. 46906	
	PLOT DATE = 8/29/2019	DATE - 8/28/19	REVISED -		ILLINOIS FED. AID PROJECT							

-  - NEW HOT-MIX ASPHALT PAVEMENT
-  - EROSION CONTROL BLANKET
-  - TEMPORARY DITCH CHECK
-  - INLET AND PIPE PROTECTION
-  - DITCH FLOW DIRECTION
-  - DITCH SUMMIT

NOTES:  
SEE ALIGNMENTS SHEET FOR PROPOSED CENTERLINE  
STATIONING AND ALIGNMENT INFORMATION.



21101615 TOP SOIL FURNISH AND PLACE, 4"  
LT STA 116+00.00 TO LT STA 122+00.00 1,221 SQ YD  
RT STA 116+00.00 TO RT STA 122+00.00 1,074 SQ YD

25100125 MULCH METHOD 3  
LT STA 116+00.00 TO LT STA 122+00.00 0.20 ACRE  
RT STA 116+00.00 TO RT STA 122+00.00 0.14 ACRE

K1005421 SEEDING (SPECIAL)  
LT STA 116+00.00 TO LT STA 122+00.00 0.25 ACRE  
RT STA 116+00.00 TO RT STA 122+00.00 0.22 ACRE







FILE NAME =	USER NAME = joeb	DESIGNED - J.E.B.	REVISED -
C - Erosion Control Plan_Main Park Road_116+00.dgn		DRAWN - S.D.K.	REVISED -
Default	PLOT SCALE = 40.0000' / in.	CHECKED - R.H.D.	REVISED -
	PLOT DATE = 8/29/2019	DATE - 8/28/19	REVISED -

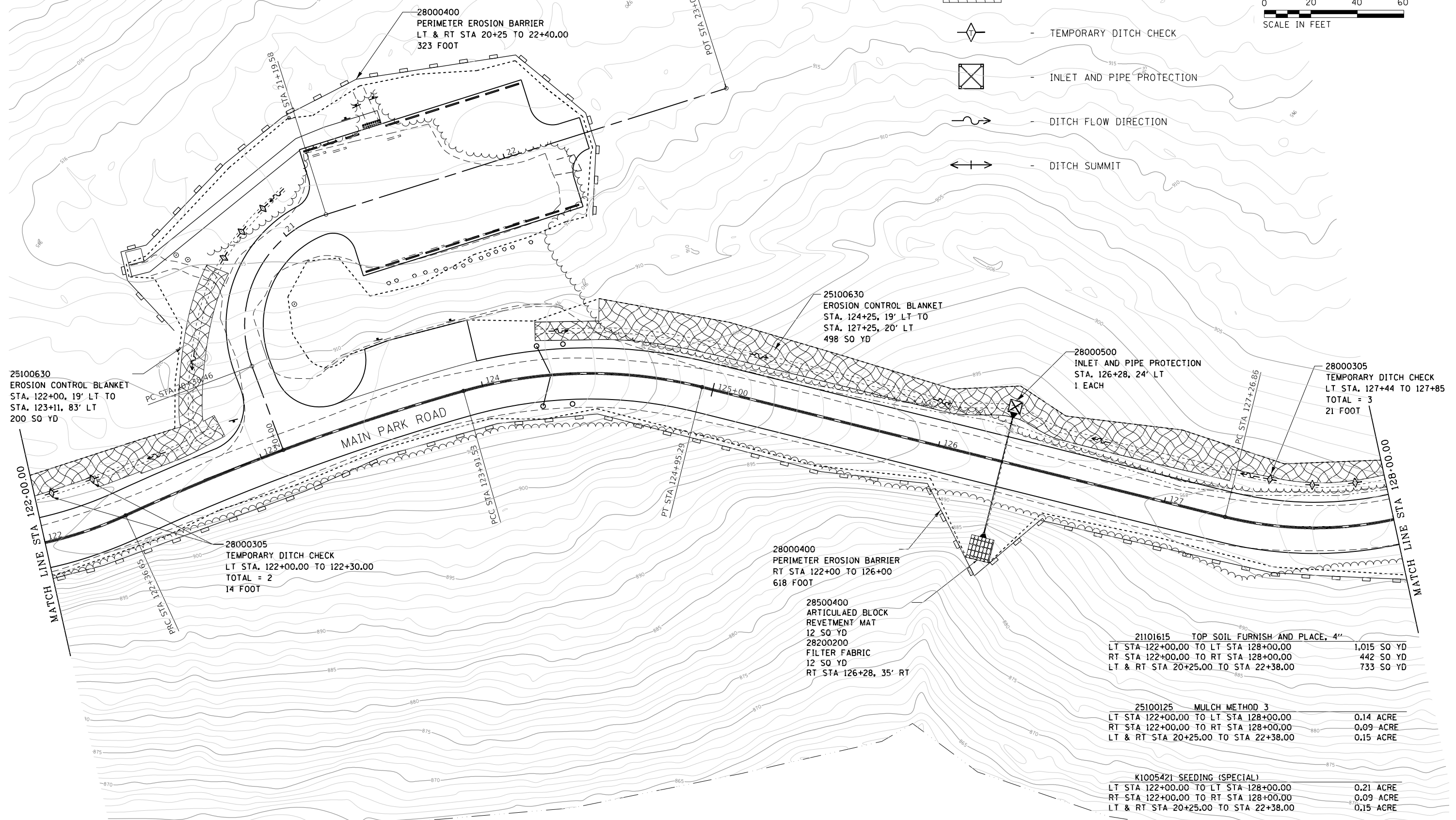
**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

<b>MAIN PARK ROAD (EROSION CONTROL) LAKE LE-AQUA-NA STATE PARK</b>			
SCALE: 1" = 20'	SHEET	OF SHEETS	STA. 116+00.00 TO STA. 122+00.00

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	LAKE LE-AQUA-NA 2018	STEPHENSON	308	141
			CONTRACT NO. 46906	
ILLINOIS FED. AID PROJECT				

NOTES:  
SEE ALIGNMENTS SHEET FOR PROPOSED CENTERLINE  
STATIONING AND ALIGNMENT INFORMATION.

-  - NEW HOT-MIX ASPHALT PAVEMENT
-  - EROSION CONTROL BLANKET
-  - TEMPORARY DITCH CHECK
-  - INLET AND PIPE PROTECTION
-  - DITCH FLOW DIRECTION
-  - DITCH SUMMIT



25100630  
EROSION CONTROL BLANKET  
STA. 122+25, 19' LT TO  
STA. 123+11, 83' LT  
200 SQ YD

28000400  
PERIMETER EROSION BARRIER  
LT & RT STA 20+25 TO 22+40.00  
323 FOOT

25100630  
EROSION CONTROL BLANKET  
STA. 124+25, 19' LT TO  
STA. 127+25, 20' LT  
498 SQ YD

28000500  
INLET AND PIPE PROTECTION  
STA. 126+28, 24' LT  
1 EACH

28000305  
TEMPORARY DITCH CHECK  
LT STA. 127+44 TO 127+85  
TOTAL = 3  
21 FOOT

28000305  
TEMPORARY DITCH CHECK  
LT STA. 122+00.00 TO 122+30.00  
TOTAL = 2  
14 FOOT

28000400  
PERIMETER EROSION BARRIER  
RT STA 122+00 TO 126+00  
618 FOOT

28500400  
ARTICULATED BLOCK  
REVTMENT MAT  
12 SQ YD  
28200200  
FILTER FABRIC  
12 SQ YD  
RT STA 126+28, 35' RT

21101615 TOP SOIL FURNISH AND PLACE, 4"  
LT STA 122+00.00 TO LT STA 128+00.00 1,015 SQ YD  
RT STA 122+00.00 TO RT STA 128+00.00 442 SQ YD  
LT & RT STA 20+25.00 TO STA 22+38.00 733 SQ YD

25100125 MULCH METHOD 3  
LT STA 122+00.00 TO LT STA 128+00.00 0.14 ACRE  
RT STA 122+00.00 TO RT STA 128+00.00 0.09 ACRE  
LT & RT STA 20+25.00 TO STA 22+38.00 0.15 ACRE

K1005421 SEEDING (SPECIAL)  
LT STA 122+00.00 TO LT STA 128+00.00 0.21 ACRE  
RT STA 122+00.00 TO RT STA 128+00.00 0.09 ACRE  
LT & RT STA 20+25.00 TO STA 22+38.00 0.15 ACRE

FILE NAME =	USER NAME = joeb	DESIGNED - J.E.B.	REVISED -
C - Erosion Control Plan_Main Park Road_122+00.dgn		DRAWN - S.D.K.	REVISED -
Default	PLOT SCALE = 40.0000' / in.	CHECKED - R.H.D.	REVISED -
	PLOT DATE = 8/29/2019	DATE - 8/28/19	REVISED -


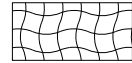
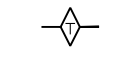

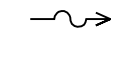
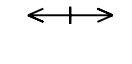
**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**MAIN PARK ROAD (EROSION CONTROL)  
LAKE LE-AQUA-NA STATE PARK**

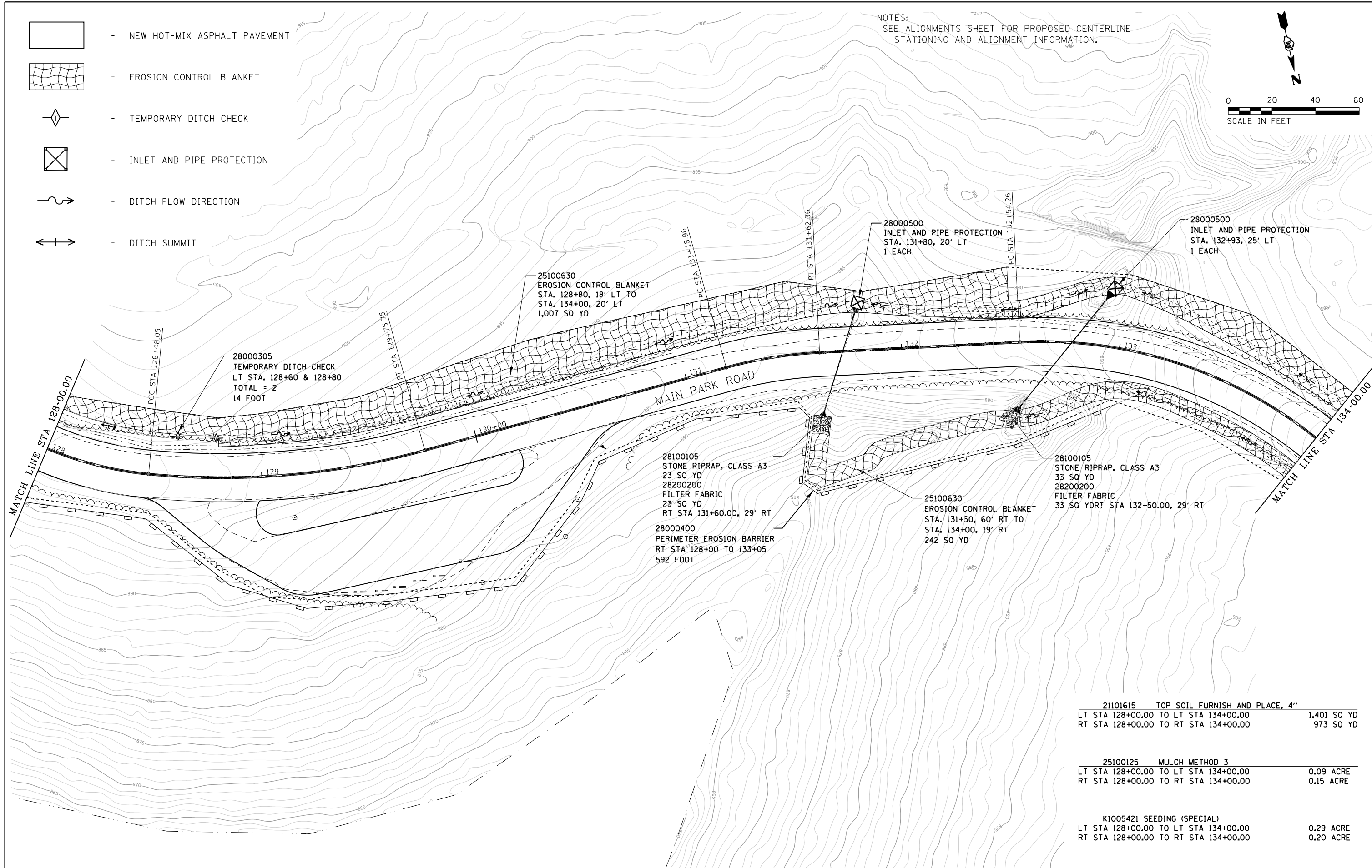
SCALE: 1" = 20' SHEET OF SHEETS STA. 122+00.00 TO STA. 128+00.00

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	LAKE LE-AQUA-NA 2018	STEPHENSON	308	142
			CONTRACT NO. 46906	
ILLINOIS FED. AID PROJECT				



-  - NEW HOT-MIX ASPHALT PAVEMENT
-  - EROSION CONTROL BLANKET
-  - TEMPORARY DITCH CHECK
-  - INLET AND PIPE PROTECTION
-  - DITCH FLOW DIRECTION
-  - DITCH SUMMIT

NOTES:  
SEE ALIGNMENTS SHEET FOR PROPOSED CENTERLINE  
STATIONING AND ALIGNMENT INFORMATION.



21101615 TOP SOIL FURNISH AND PLACE, 4"		
LT STA 128+00.00 TO LT STA 134+00.00		1,401 SQ YD
RT STA 128+00.00 TO RT STA 134+00.00		973 SQ YD

25100125 MULCH METHOD 3		
LT STA 128+00.00 TO LT STA 134+00.00		0.09 ACRE
RT STA 128+00.00 TO RT STA 134+00.00		0.15 ACRE

K1005421 SEEDING (SPECIAL)		
LT STA 128+00.00 TO LT STA 134+00.00		0.29 ACRE
RT STA 128+00.00 TO RT STA 134+00.00		0.20 ACRE

FILE NAME =	USER NAME = joeb	DESIGNED - J.E.B.	REVISED -
C - Erosion Control Plan, Main Park Road, 128+00.dgn		DRAWN - S.D.K.	REVISED -
Default	PLOT SCALE = 40.0000' / in.	CHECKED - R.H.D.	REVISED -
	PLOT DATE = 8/29/2019	DATE - 8/28/19	REVISED -

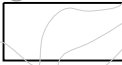
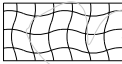




**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

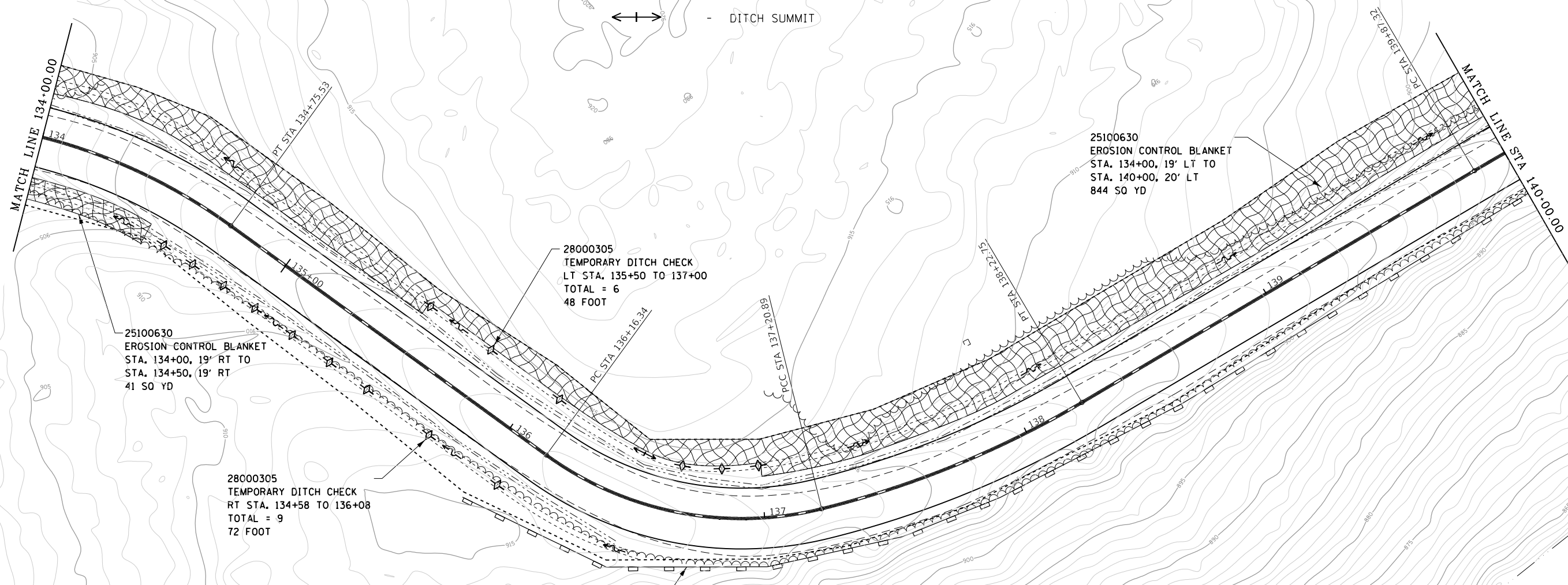
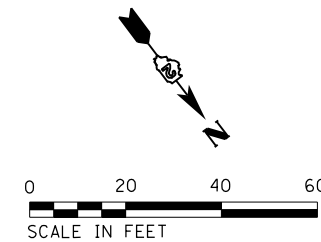
**MAIN PARK ROAD (EROSION CONTROL)  
LAKE LE-AQUA-NA STATE PARK**

SCALE: 1" = 20' SHEET OF SHEETS STA. 128+00.00 TO STA. 134+00.00

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	LAKE LE-AQUA-NA 2018	STEPHENSON	308	143
			CONTRACT NO. 46906	
ILLINOIS FED. AID PROJECT				

NOTES:  
SEE ALIGNMENTS SHEET FOR PROPOSED CENTERLINE  
STATIONING AND ALIGNMENT INFORMATION.

-  - NEW HOT-MIX ASPHALT PAVEMENT
-  - EROSION CONTROL BLANKET
-  - TEMPORARY DITCH CHECK
-  - INLET AND PIPE PROTECTION
-  - DITCH FLOW DIRECTION
-  - DITCH SUMMIT



28000305  
TEMPORARY DITCH CHECK  
LT STA. 135+50 TO 137+00  
TOTAL = 6  
48 FOOT

28000305  
TEMPORARY DITCH CHECK  
RT STA. 134+58 TO 136+08  
TOTAL = 9  
72 FOOT

28000400  
PERIMETER EROSION BARRIER  
RT STA 136+00 TO 140+00  
424 FOOT

25100630  
EROSION CONTROL BLANKET  
STA. 134+00, 19' LT TO  
STA. 140+00, 20' LT  
84 SO YD

21101615 TOP SOIL FURNISH AND PLACE, 4"	
LT STA 134+00.00 TO LT STA 140+00.00	1,186 SO YD
RT STA 134+00.00 TO RT STA 140+00.00	456 SO YD

25100125 MULCH METHOD 3	
LT STA 134+00.00 TO LT STA 140+00.00	0.05 ACRE
RT STA 134+00.00 TO RT STA 140+00.00	0.09 ACRE







K1005421 SEEDING (SPECIAL)	
LT STA 134+00.00 TO LT STA 140+00.00	0.25 ACRE
RT STA 134+00.00 TO RT STA 140+00.00	0.10 ACRE

FILE NAME =	USER NAME = joeb	DESIGNED - J.E.B.	REVISED -
C - Erosion Control Plan, Main Park Road, 134+00.dgn		DRAWN - S.D.K.	REVISED -
Default	PLOT SCALE = 40.0000' / in.	CHECKED - R.H.D.	REVISED -
	PLOT DATE = 8/29/2019	DATE - 8/28/19	REVISED -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

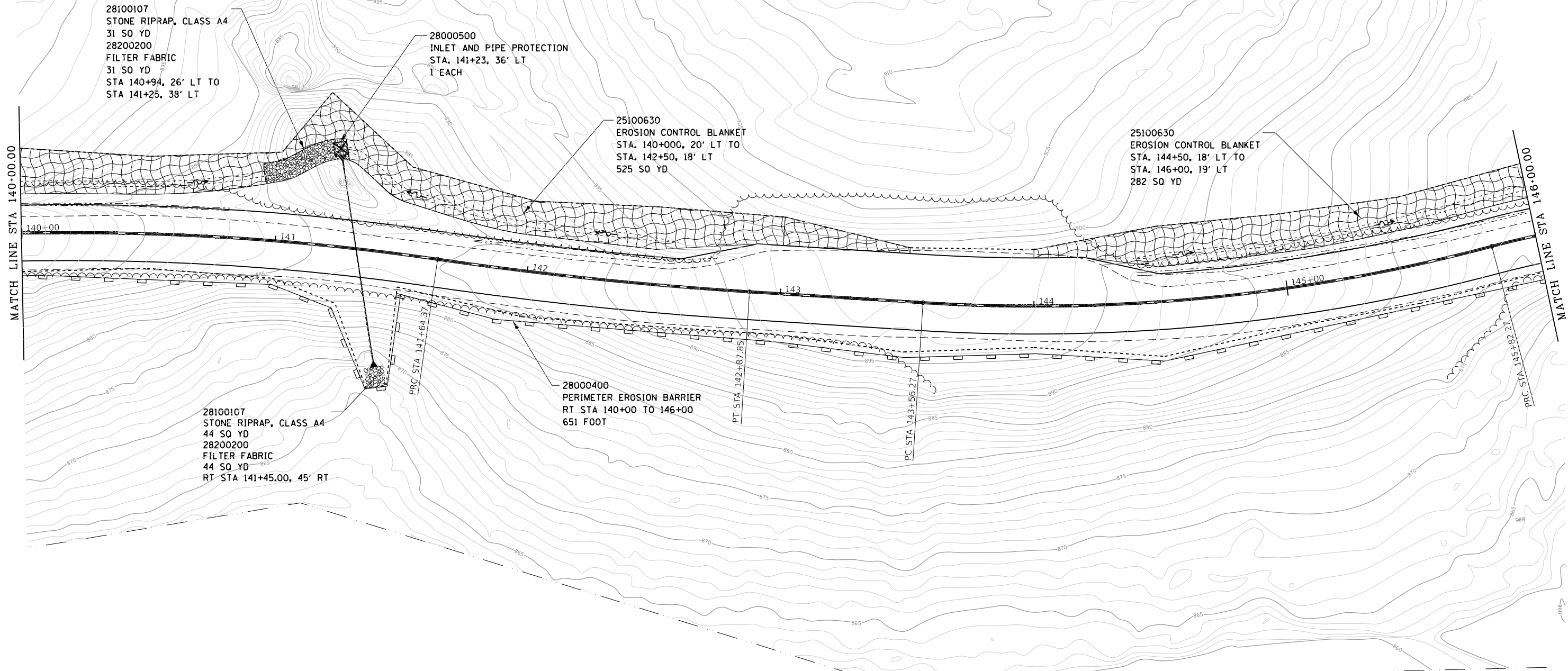
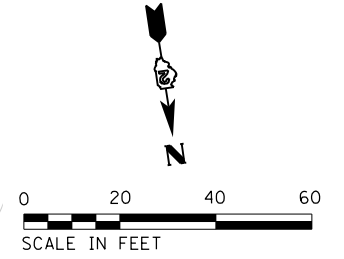
<b>MAIN PARK ROAD (EROSION CONTROL) LAKE LE-AQUA-NA STATE PARK</b>			
SCALE: 1" = 20'	SHEET	OF SHEETS	STA. 134+00.00 TO STA. 140+00.00

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	LAKE LE-AQUA-NA 2018	STEPHENSON	308	144
			CONTRACT NO. 46906	
ILLINOIS FED. AID PROJECT				

-  - NEW HOT-MIX ASPHALT PAVEMENT
-  - EROSION CONTROL BLANKET
-  - TEMPORARY DITCH CHECK
-  - INLET AND PIPE PROTECTION
-  - DITCH FLOW DIRECTION
-  - DITCH SUMMIT

21101615 TOP SOIL FURNISH AND PLACE, 4"	
LT STA 140+00.00 TO LT STA 146+00.00	1,148 SQ YD
RT STA 140+00.00 TO RT STA 146+00.00	422 SQ YD
25100125 MULCH METHOD 3	
LT STA 140+00.00 TO LT STA 146+00.00	0.09 ACRE
RT STA 140+00.00 TO RT STA 146+00.00	0.09 ACRE
K1005421 SEEDING (SPECIAL)	
LT STA 140+00.00 TO LT STA 146+00.00	0.24 ACRE
RT STA 140+00.00 TO RT STA 146+00.00	0.09 ACRE

NOTES:  
SEE ALIGNMENTS SHEET FOR PROPOSED CENTERLINE  
STATIONING AND ALIGNMENT INFORMATION.



28100107  
STONE RIPRAP, CLASS A4  
31 SQ YD  
28200200  
FILTER FABRIC  
31 SQ YD  
STA 140+94, 26' LT TO  
STA 141+25, 38' LT

28000500  
INLET AND PIPE PROTECTION  
STA. 141+23, 36' LT  
1' EACH

25100630  
EROSION CONTROL BLANKET  
STA. 140+00, 20' LT TO  
STA. 142+50, 18' LT  
525 SQ YD

25100630  
EROSION CONTROL BLANKET  
STA. 144+50, 18' LT TO  
STA. 146+00, 19' LT  
282 SQ YD

28100107  
STONE RIPRAP, CLASS A4  
44 SQ YD  
28200200  
FILTER FABRIC  
44 SQ YD  
RT STA 141+45.00, 45' RT

28000400  
PERIMETER EROSION BARRIER  
RT STA 140+00 TO 146+00  
651 FOOT


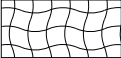




FILE NAME =	USER NAME = joeb	DESIGNED - J.E.B.	REVISED -
C - Erosion Control Plan, Main Park Road, 140+00.dgn		DRAWN - S.D.K.	REVISED -
Default	PLOT SCALE = 40.0000' / in.	CHECKED - R.H.D.	REVISED -
	PLOT DATE = 8/29/2019	DATE - 8/28/19	REVISED -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

<b>MAIN PARK ROAD (EROSION CONTROL)</b>			
<b>LAKE LE-AQUA-NA STATE PARK</b>			
SCALE: 1" = 20'	SHEET	OF SHEETS	STA. 140+00.00 TO STA. 146+00.00

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	LAKE LE-AQUA-NA 2018	STEPHENSON	308	145
			CONTRACT NO. 46906	
ILLINOIS FED. AID PROJECT				



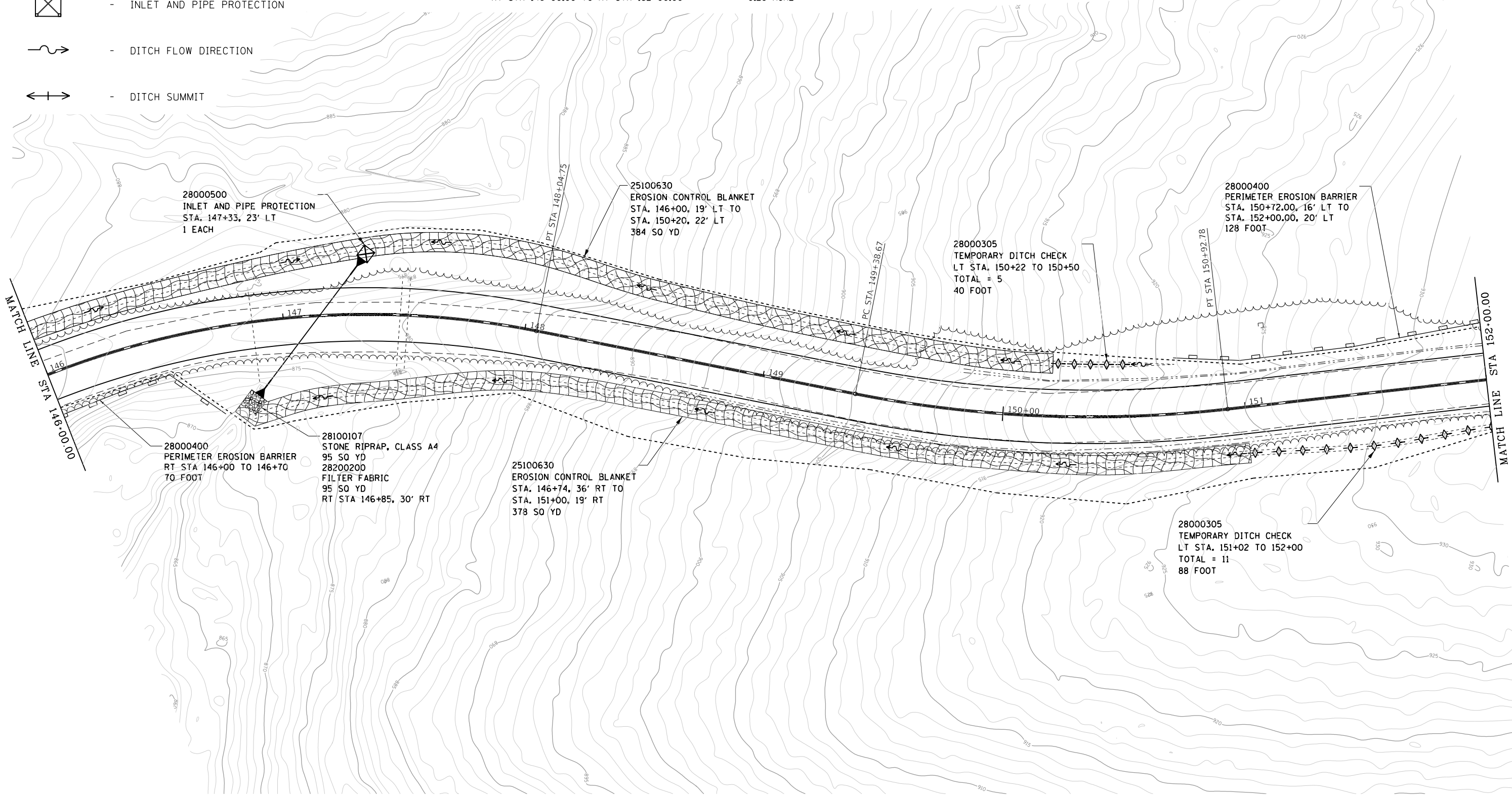
-  - NEW HOT-MIX ASPHALT PAVEMENT
-  - EROSION CONTROL BLANKET
-  - TEMPORARY DITCH CHECK
-  - INLET AND PIPE PROTECTION
-  - DITCH FLOW DIRECTION
-  - DITCH SUMMIT

21101615 TOP SOIL FURNISH AND PLACE, 4"  
 LT STA 146+00.00 TO LT STA 152+00.00 1,259 SO YD  
 RT STA 146+00.00 TO RT STA 152+00.00 1,327 SO YD

25100125 MULCH METHOD 3  
 LT STA 146+00.00 TO LT STA 152+00.00 0.18 ACRE  
 RT STA 146+00.00 TO RT STA 152+00.00 0.20 ACRE

K1005421 SEEDING (SPECIAL)  
 LT STA 146+00.00 TO LT STA 152+00.00 0.26 ACRE  
 RT STA 146+00.00 TO RT STA 152+00.00 0.28 ACRE

NOTES:  
 SEE ALIGNMENTS SHEET FOR PROPOSED CENTERLINE  
 STATIONING AND ALIGNMENT INFORMATION.

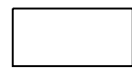

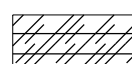
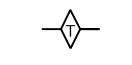

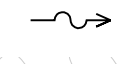
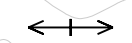


FILE NAME =	USER NAME = joeb	DESIGNED - J.E.B.	REVISED -
C - Erosion Control Plan, Main Park Road, 146+00.dgn		DRAWN - S.D.K.	REVISED -
Default	PLOT SCALE = 40.0000' / in.	CHECKED - R.H.D.	REVISED -
	PLOT DATE = 8/29/2019	DATE - 8/28/19	REVISED -

**STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION**

<b>MAIN PARK ROAD (EROSION CONTROL)</b>			
<b>LAKE LE-AQUA-NA STATE PARK</b>			
SCALE: 1" = 20'	SHEET	OF SHEETS	STA. 146+00.00 TO STA. 152+00.00

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	LAKE LE-AQUA-NA 2018	STEPHENSON	308	146
CONTRACT NO. 46906				
ILLINOIS FED. AID PROJECT				

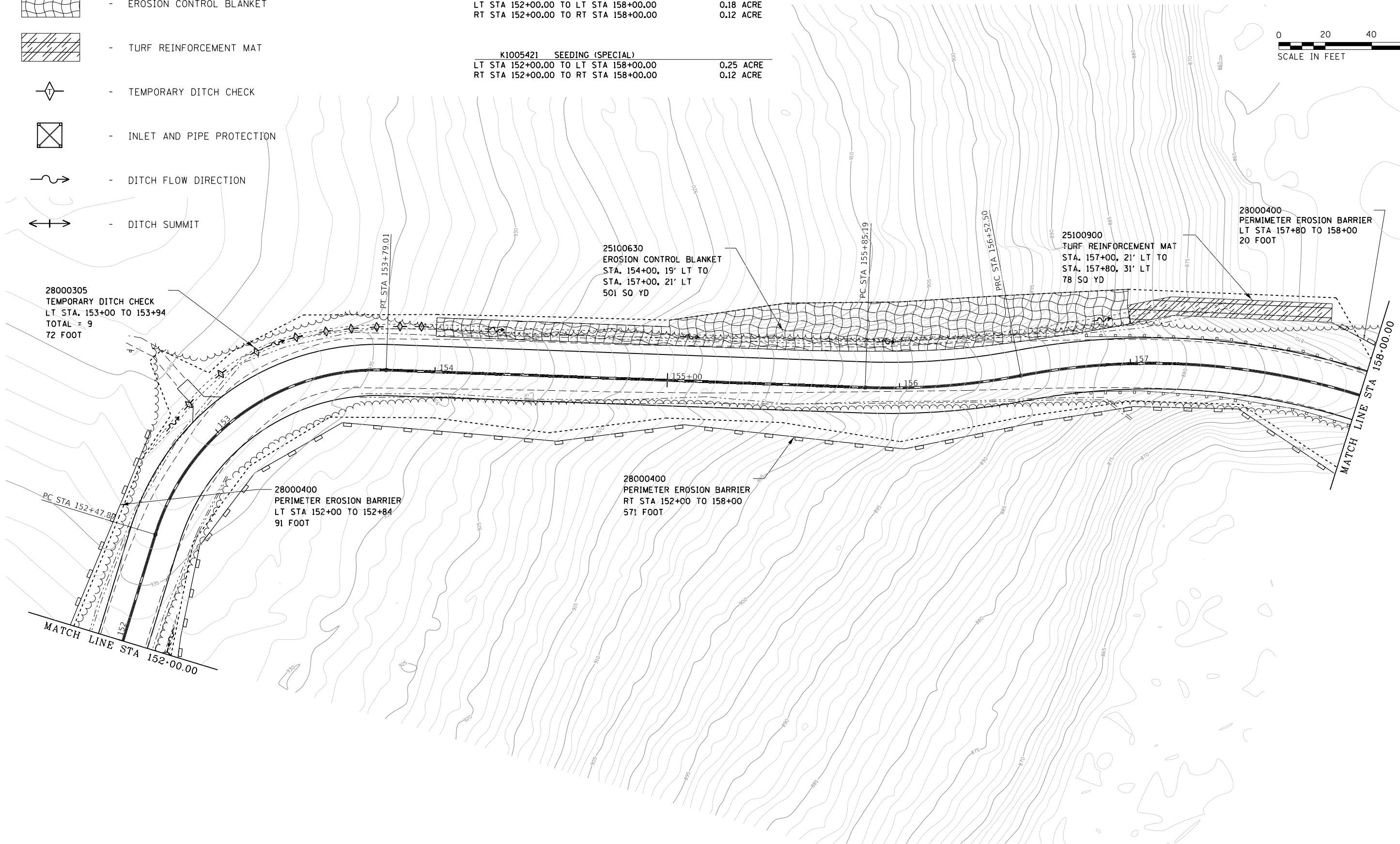
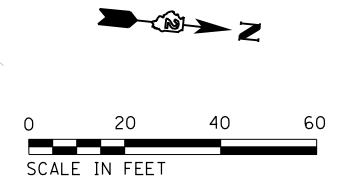
-  - NEW HOT-MIX ASPHALT PAVEMENT
-  - EROSION CONTROL BLANKET
-  - TURF REINFORCEMENT MAT
-  - TEMPORARY DITCH CHECK
-  - INLET AND PIPE PROTECTION
-  - DITCH FLOW DIRECTION
-  - DITCH SUMMIT

21101615 TOP SOIL FURNISH AND PLACE, 4"  
 LT STA 152+00.00 TO LT STA 158+00.00 1,178 SQ YD  
 RT STA 152+00.00 TO RT STA 158+00.00 550 SQ YD

25100125 MULCH METHOD 3  
 LT STA 152+00.00 TO LT STA 158+00.00 0.18 ACRE  
 RT STA 152+00.00 TO RT STA 158+00.00 0.12 ACRE

K1005421 SEEDING (SPECIAL)  
 LT STA 152+00.00 TO LT STA 158+00.00 0.25 ACRE  
 RT STA 152+00.00 TO RT STA 158+00.00 0.12 ACRE

NOTES:  
 SEE ALIGNMENTS SHEET FOR PROPOSED CENTERLINE  
 STATIONING AND ALIGNMENT INFORMATION.



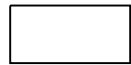

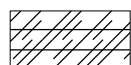
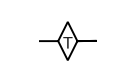

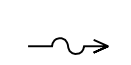
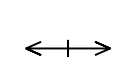
FILE NAME =	USER NAME = joeb	DESIGNED - J.E.B.	REVISED -
C - Erosion Control Plan_Main Park Road_152+00.dgn		DRAWN - S.D.K.	REVISED -
Default	PLOT SCALE = 40.0000' / in.	CHECKED - R.H.D.	REVISED -
	PLOT DATE = 8/29/2019	DATE - 8/28/19	REVISED -

**STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION**

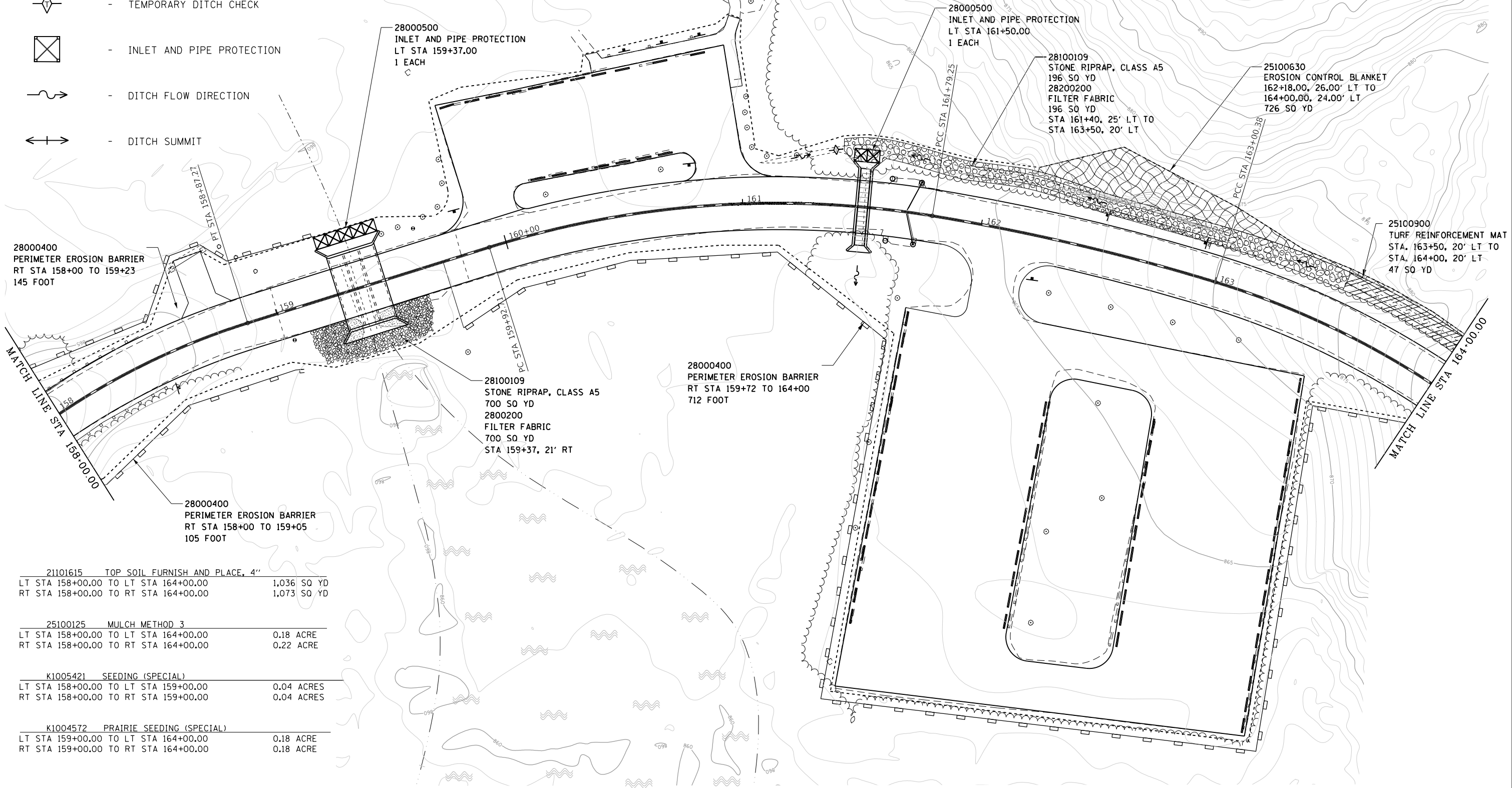
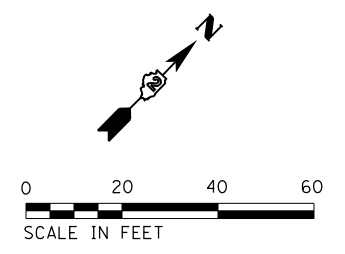
**MAIN PARK ROAD (EROSION CONTROL)  
 LAKE LE-AQUA-NA STATE PARK**

SCALE: 1" = 20'    SHEET    OF    SHEETS    STA. 152+00.00 TO STA. 158+00.00

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	LAKE LE-AQUA-NA 2018	STEPHENSON	308	147
			CONTRACT NO. 46906	
ILLINOIS FED. AID PROJECT				

-  - NEW HOT-MIX ASPHALT PAVEMENT
-  - EROSION CONTROL BLANKET
-  - TURF REINFORCEMENT MAT
-  - TEMPORARY DITCH CHECK
-  - INLET AND PIPE PROTECTION
-  - DITCH FLOW DIRECTION
-  - DITCH SUMMIT

NOTES:  
SEE ALIGNMENTS SHEET FOR PROPOSED CENTERLINE  
STATIONING AND ALIGNMENT INFORMATION.





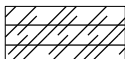




21101615 TOP SOIL FURNISH AND PLACE, 4"	
LT STA 158+00.00 TO LT STA 164+00.00	1,036 SQ YD
RT STA 158+00.00 TO RT STA 164+00.00	1,073 SQ YD
25100125 MULCH METHOD 3	
LT STA 158+00.00 TO LT STA 164+00.00	0.18 ACRE
RT STA 158+00.00 TO RT STA 164+00.00	0.22 ACRE
K1005421 SEEDING (SPECIAL)	
LT STA 158+00.00 TO LT STA 159+00.00	0.04 ACRES
RT STA 158+00.00 TO RT STA 159+00.00	0.04 ACRES
K1004572 PRAIRIE SEEDING (SPECIAL)	
LT STA 159+00.00 TO LT STA 164+00.00	0.18 ACRE
RT STA 159+00.00 TO RT STA 164+00.00	0.18 ACRE

FILE NAME =	USER NAME = joeb	DESIGNED - J.E.B.	REVISED -
C - Erosion Control Plan_Main Park Road_158+00.dgn		DRAWN - S.D.K.	REVISED -
Default	PLOT SCALE = 40.0000' / in.	CHECKED - R.H.D.	REVISED -
	PLOT DATE = 9/23/2019	DATE - 8/28/19	REVISED -

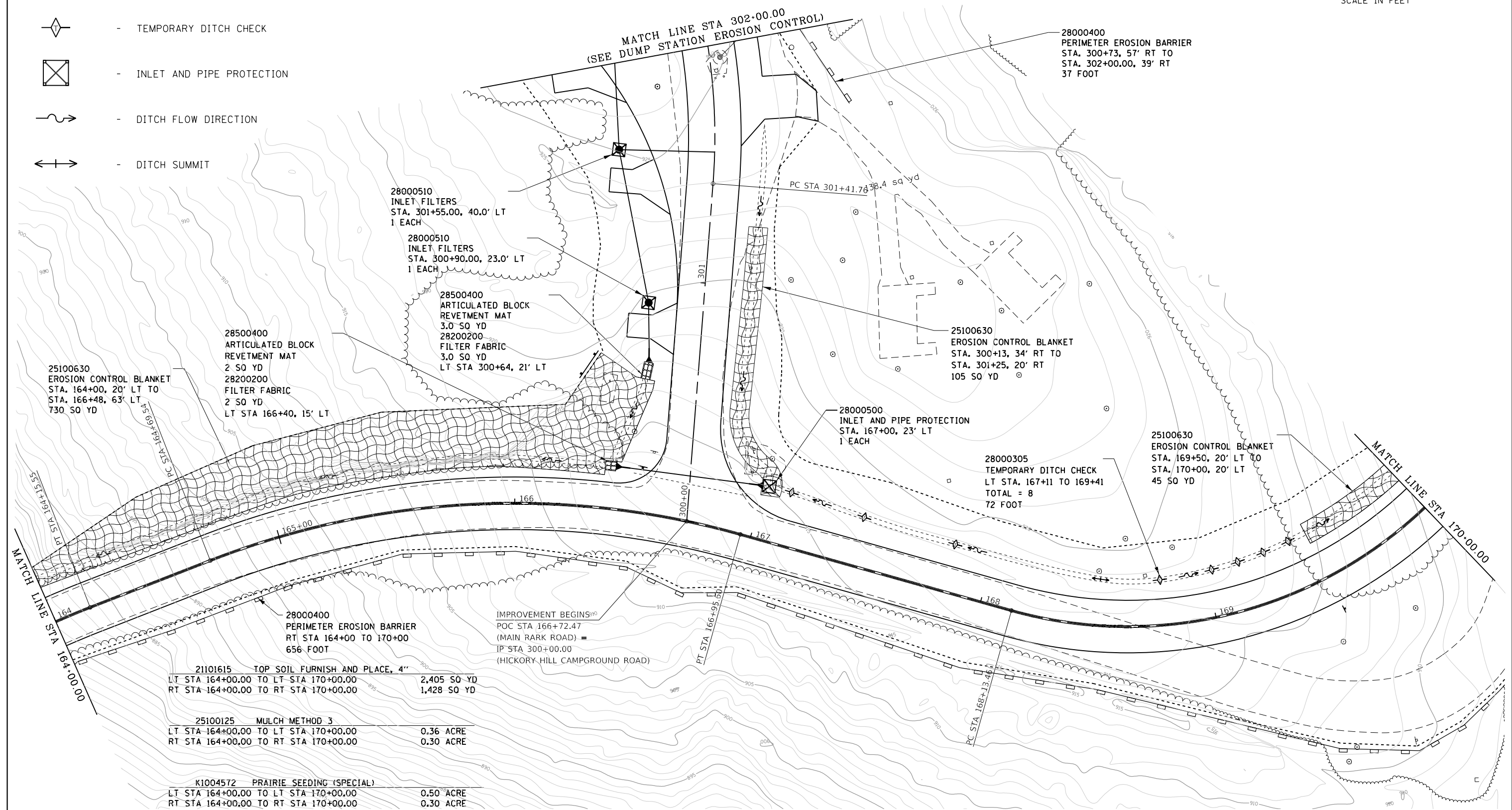
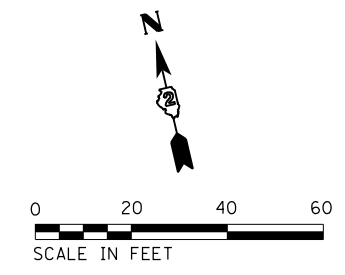
**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

<b>MAIN PARK ROAD (EROSION CONTROL) LAKE LE-AQUA-NA STATE PARK</b>			
SCALE: 1" = 20'	SHEET	OF SHEETS	STA. 158+00.00 TO STA. 164+00.00

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	LAKE LE-AQUA-NA 2018	STEPHENSON	308	148
			CONTRACT NO. 46906	
ILLINOIS FED. AID PROJECT				




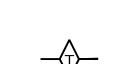



-  - NEW HOT-MIX ASPHALT PAVEMENT
-  - EROSION CONTROL BLANKET
-  - TURF REINFORCEMENT MAT
-  - TEMPORARY DITCH CHECK
-  - INLET AND PIPE PROTECTION
-  - DITCH FLOW DIRECTION
-  - DITCH SUMMIT

NOTES:  
SEE ALIGNMENTS SHEET FOR PROPOSED CENTERLINE  
STATIONING AND ALIGNMENT INFORMATION.

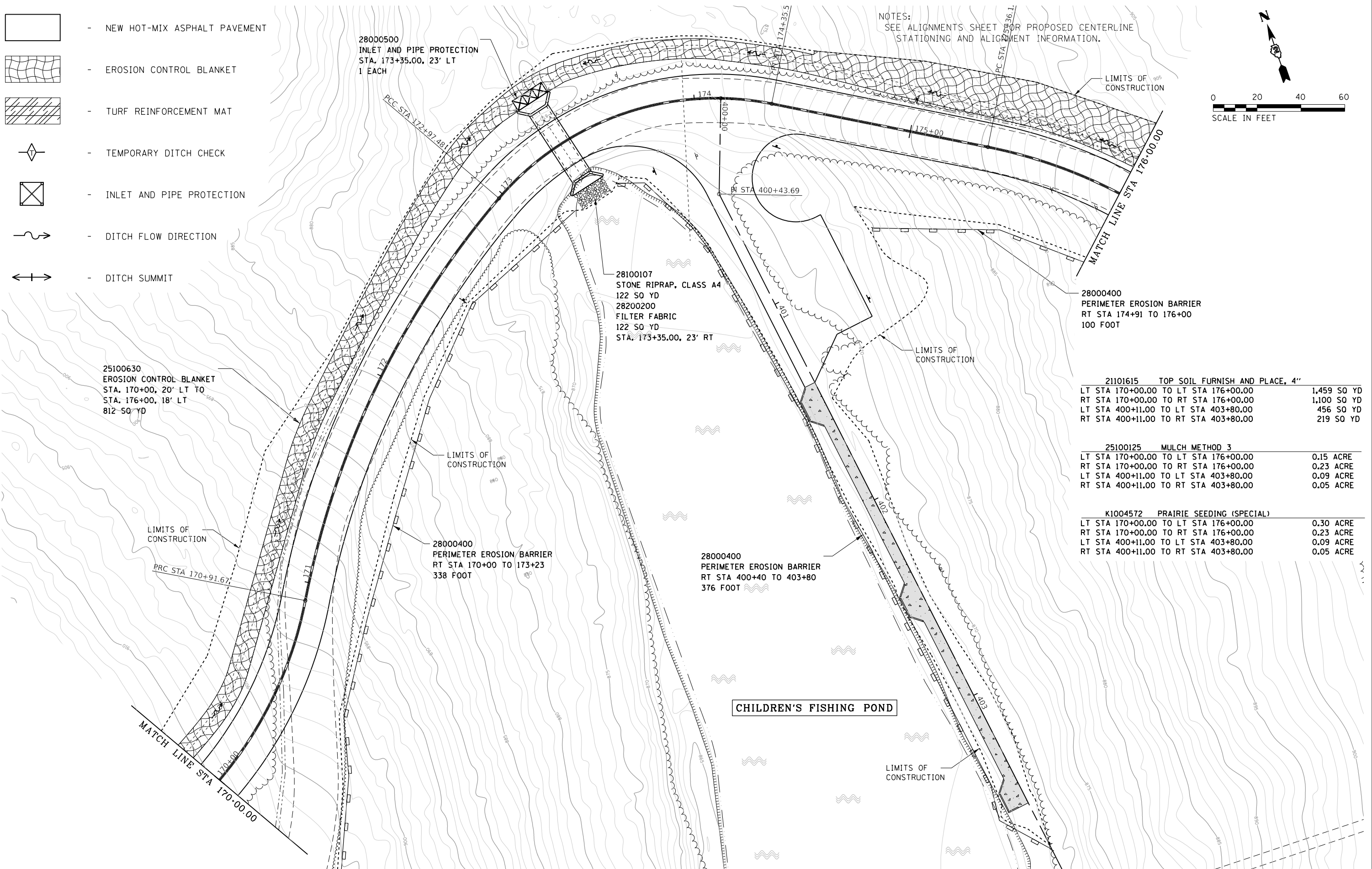
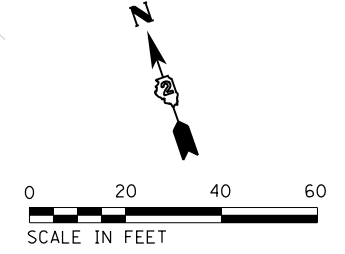


FILE NAME =	USER NAME = joeb	DESIGNED - J.E.B.	REVISED -	<b>STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION</b>	<b>MAIN PARK ROAD (EROSION CONTROL) LAKE LE-AQUA-NA STATE PARK</b>			F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
C - Erosion Control Plan, Main Park Road, 164+00.dgn		DRAWN - S.D.K.	REVISED -					LAKE LE-AQUA-NA 2018	STEPHENSON	308	149	
Default	PLOT SCALE = 40.0000' / in.	CHECKED - R.H.D.	REVISED -		SCALE: 1" = 20'			SHEET	OF SHEETS	STA. 164+00.00 TO STA. 170+00.00	CONTRACT NO. 46906	
	PLOT DATE = 8/29/2019	DATE - 8/28/19	REVISED -		ILLINOIS FED. AID PROJECT							



-  - NEW HOT-MIX ASPHALT PAVEMENT
-  - EROSION CONTROL BLANKET
-  - TURF REINFORCEMENT MAT
-  - TEMPORARY DITCH CHECK
-  - INLET AND PIPE PROTECTION
-  - DITCH FLOW DIRECTION
-  - DITCH SUMMIT

NOTES:  
SEE ALIGNMENTS SHEET FOR PROPOSED CENTERLINE  
STATIONING AND ALIGNMENT INFORMATION.



FILE NAME =	USER NAME = joeb	DESIGNED - J.E.B.	REVISED -
C - Erosion Control Plan_Main Park Road_170+00.dgn		DRAWN - S.D.K.	REVISED -
Default	PLOT SCALE = 40.0000' / in.	CHECKED - R.H.D.	REVISED -
	PLOT DATE = 8/29/2019	DATE - 8/28/19	REVISED -

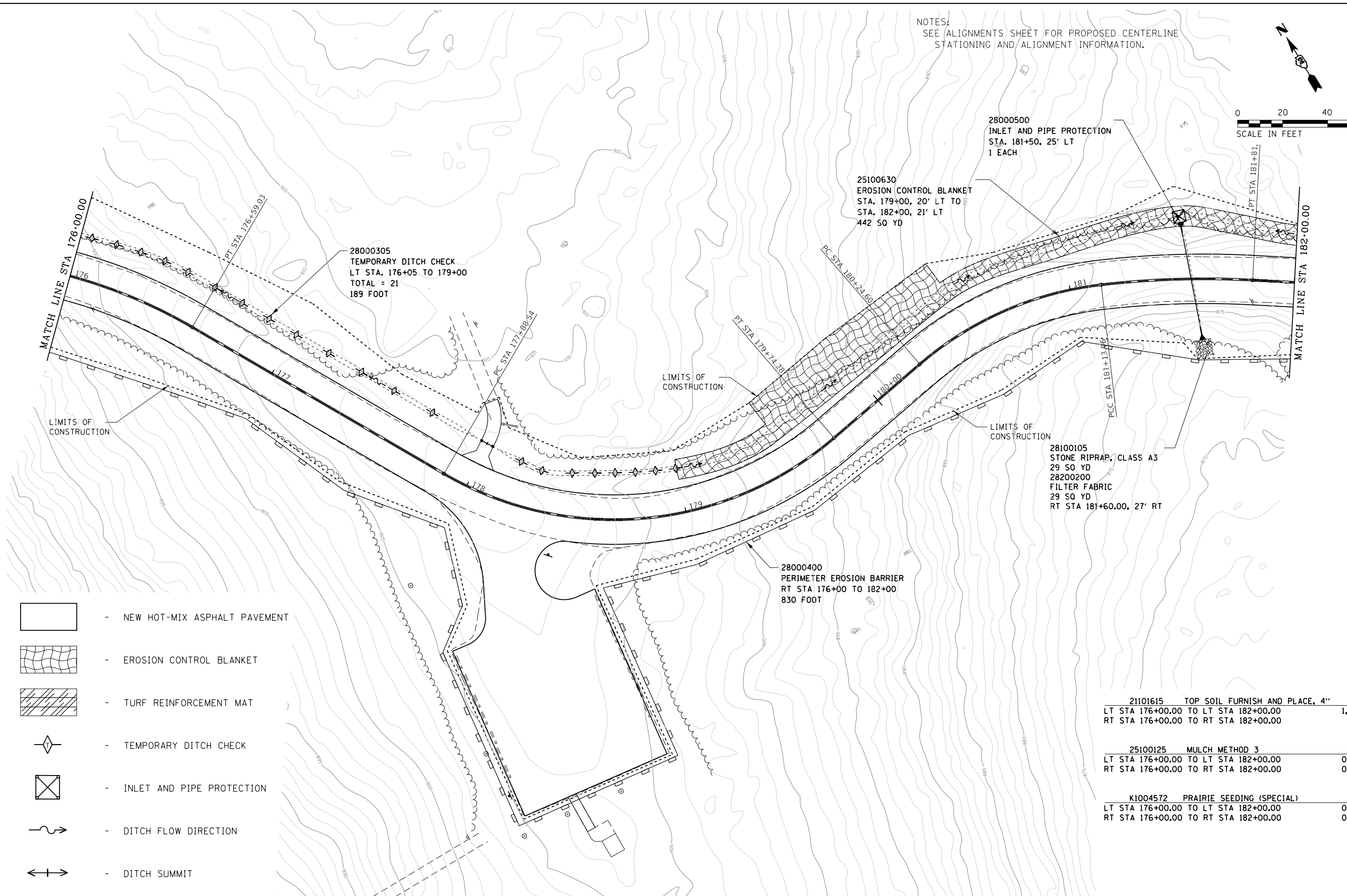
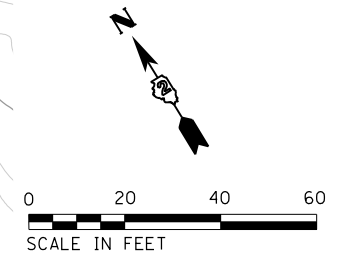
**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**MAIN PARK ROAD (EROSION CONTROL)  
LAKE LE-AQUA-NA STATE PARK**

SCALE: 1" = 20'    SHEET    OF    SHEETS    STA. 170+00.00 TO STA. 176+00.00

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	LAKE LE-AQUA-NA 2018	STEPHENSON	308	150
			CONTRACT NO. 46906	
ILLINOIS FED. AID PROJECT				

NOTES:  
SEE ALIGNMENTS SHEET FOR PROPOSED CENTERLINE  
STATIONING AND ALIGNMENT INFORMATION.




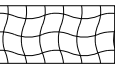
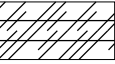




28000305  
TEMPORARY DITCH CHECK  
LT STA. 176+05 TO 179+00  
TOTAL = 21  
189 FOOT

25100630  
EROSION CONTROL BLANKET  
STA. 179+00, 20' LT TO  
STA. 182+00, 21' LT  
442 SQ YD

28000500  
INLET AND PIPE PROTECTION  
STA. 181+50, 25' LT  
1 EACH

28100105  
STONE RIPRAP, CLASS A3  
29 SQ YD  
28200200  
FILTER FABRIC  
29 SQ YD  
RT STA 181+60.00, 27' RT

28000400  
PERIMETER EROSION BARRIER  
RT STA 176+00 TO 182+00  
830 FOOT

-  - NEW HOT-MIX ASPHALT PAVEMENT
-  - EROSION CONTROL BLANKET
-  - TURF REINFORCEMENT MAT
-  - TEMPORARY DITCH CHECK
-  - INLET AND PIPE PROTECTION
-  - DITCH FLOW DIRECTION
-  - DITCH SUMMIT

21101615 TOP SOIL FURNISH AND PLACE, 4"  
LT STA 176+00.00 TO LT STA 182+00.00 1,400 SQ YD  
RT STA 176+00.00 TO RT STA 182+00.00 974 SQ YD

25100125 MULCH METHOD 3  
LT STA 176+00.00 TO LT STA 182+00.00 0.22 ACRE  
RT STA 176+00.00 TO RT STA 182+00.00 0.20 ACRE

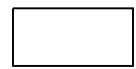

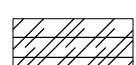
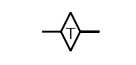

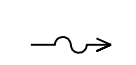
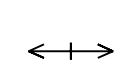
K1004572 PRAIRIE SEEDING (SPECIAL)  
LT STA 176+00.00 TO LT STA 182+00.00 0.29 ACRE  
RT STA 176+00.00 TO RT STA 182+00.00 0.20 ACRE

FILE NAME =	USER NAME = joeb	DESIGNED - J.E.B.	REVISED -
C - Erosion Control Plan, Main Park Road	176+00.dgn	DRAWN - S.D.K.	REVISED -
Default	PLOT SCALE = 40.0000' / in.	CHECKED - R.H.D.	REVISED -
	PLOT DATE = 8/29/2019	DATE - 8/28/19	REVISED -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

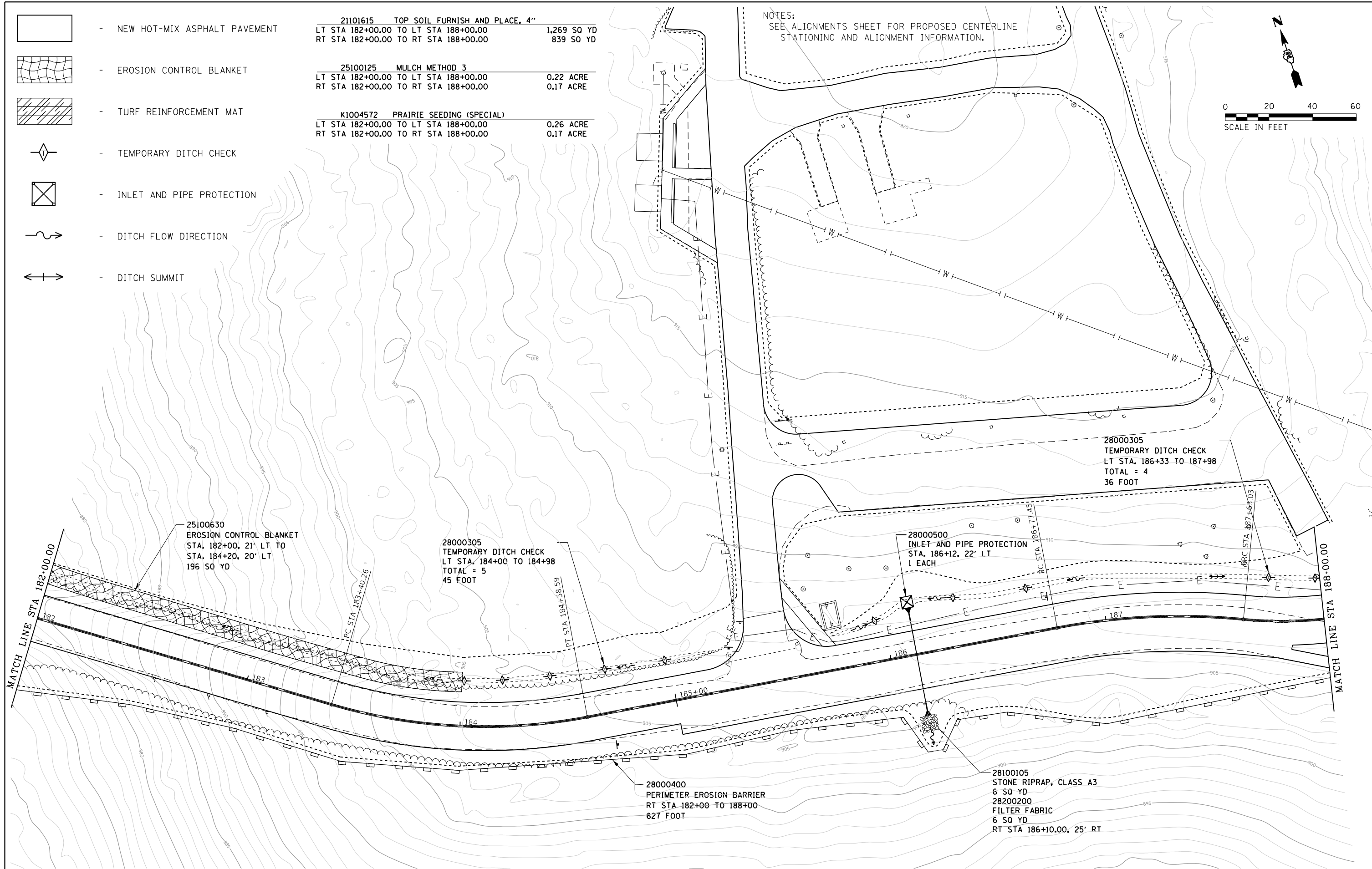
<b>MAIN PARK ROAD (EROSION CONTROL)</b>			
<b>LAKE LE-AQUA-NA STATE PARK</b>			
SCALE: 1" = 20'	SHEET	OF SHEETS	STA. 176+00.00 TO STA. 182+00.00

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	LAKE LE-AQUA-NA 2018	STEPHENSON	308	151
			CONTRACT NO. 46906	
ILLINOIS FED. AID PROJECT				

-  - NEW HOT-MIX ASPHALT PAVEMENT
-  - EROSION CONTROL BLANKET
-  - TURF REINFORCEMENT MAT
-  - TEMPORARY DITCH CHECK
-  - INLET AND PIPE PROTECTION
-  - DITCH FLOW DIRECTION
-  - DITCH SUMMIT

<b>21101615 TOP SOIL FURNISH AND PLACE, 4"</b>			
LT STA 182+00.00 TO LT STA 188+00.00		1,269 SQ YD	
RT STA 182+00.00 TO RT STA 188+00.00		839 SQ YD	
<b>25100125 MULCH METHOD 3</b>			
LT STA 182+00.00 TO LT STA 188+00.00		0.22 ACRE	
RT STA 182+00.00 TO RT STA 188+00.00		0.17 ACRE	
<b>K1004572 PRAIRIE SEEDING (SPECIAL)</b>			
LT STA 182+00.00 TO LT STA 188+00.00		0.26 ACRE	
RT STA 182+00.00 TO RT STA 188+00.00		0.17 ACRE	

NOTES:  
SEE ALIGNMENTS SHEET FOR PROPOSED CENTERLINE  
STATIONING AND ALIGNMENT INFORMATION.



FILE NAME =	USER NAME = joeb	DESIGNED - J.E.B.	REVISED -
C - Erosion Control Plan_Main Park Road_182+00.dgn		DRAWN - S.D.K.	REVISED -
Default	PLOT SCALE = 40.0000' / in.	CHECKED - R.H.D.	REVISED -
	PLOT DATE = 8/29/2019	DATE - 8/28/19	REVISED -


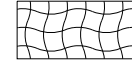
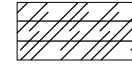
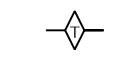
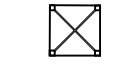
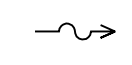
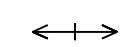
**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**MAIN PARK ROAD (EROSION CONTROL)  
LAKE LE-AQUA-NA STATE PARK**

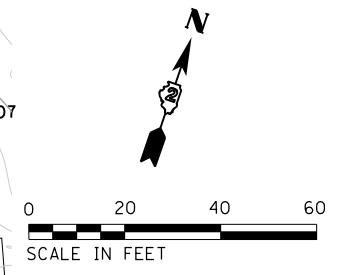
SCALE: 1" = 20' SHEET OF SHEETS STA. 182+00.00 TO STA. 188+00.00

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	LAKE LE-AQUA-NA 2018	STEPHENSON	308	152
			CONTRACT NO. 46906	
ILLINOIS FED. AID PROJECT				

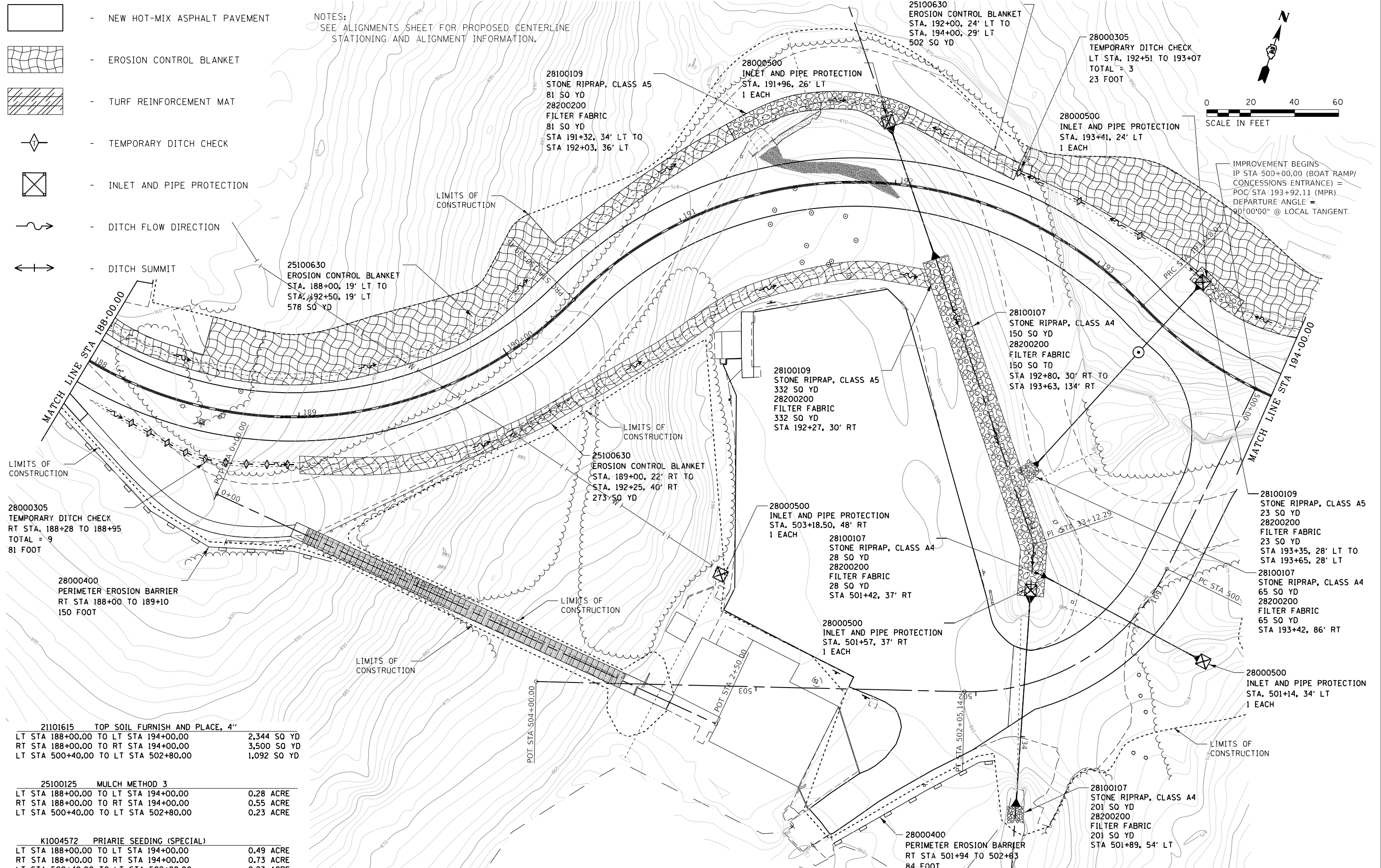


-  - NEW HOT-MIX ASPHALT PAVEMENT
-  - EROSION CONTROL BLANKET
-  - TURF REINFORCEMENT MAT
-  - TEMPORARY DITCH CHECK
-  - INLET AND PIPE PROTECTION
-  - DITCH FLOW DIRECTION
-  - DITCH SUMMIT

NOTES:  
SEE ALIGNMENTS SHEET FOR PROPOSED CENTERLINE  
STATIONING AND ALIGNMENT INFORMATION.



IMPROVEMENT BEGINS  
IP STA 500+00.00 (BOAT RAMP/  
CONCESSIONS ENTRANCE) =  
POC STA 193+92.11 (MPR)  
DEPARTURE ANGLE =  
90°00'00" @ LOCAL TANGENT.



21101615	TOP SOIL FURNISH AND PLACE, 4"	
LT STA 188+00.00 TO LT STA 194+00.00		2,344 SO YD
RT STA 188+00.00 TO RT STA 194+00.00		3,500 SO YD
LT STA 500+40.00 TO LT STA 502+80.00		1,092 SO YD

25100125	MULCH METHOD 3	
LT STA 188+00.00 TO LT STA 194+00.00		0.28 ACRE
RT STA 188+00.00 TO RT STA 194+00.00		0.55 ACRE
LT STA 500+40.00 TO LT STA 502+80.00		0.23 ACRE

K1004572	PRIARIE SEEDING (SPECIAL)	
LT STA 188+00.00 TO LT STA 194+00.00		0.49 ACRE
RT STA 188+00.00 TO RT STA 194+00.00		0.73 ACRE
LT STA 500+40.00 TO LT STA 502+80.00		0.23 ACRE



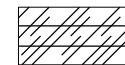
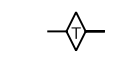

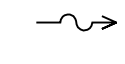
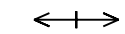
FILE NAME =	USER NAME = joeb	DESIGNED - J.E.B.	REVISED -
C - Erosion Control Plan_Main Park Road_188+00.dgn		DRAWN - S.D.K.	REVISED -
Default	PLOT SCALE = 40.0000' / in.	CHECKED - R.H.D.	REVISED -
	PLOT DATE = 8/29/2019	DATE - 8/28/19	REVISED -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

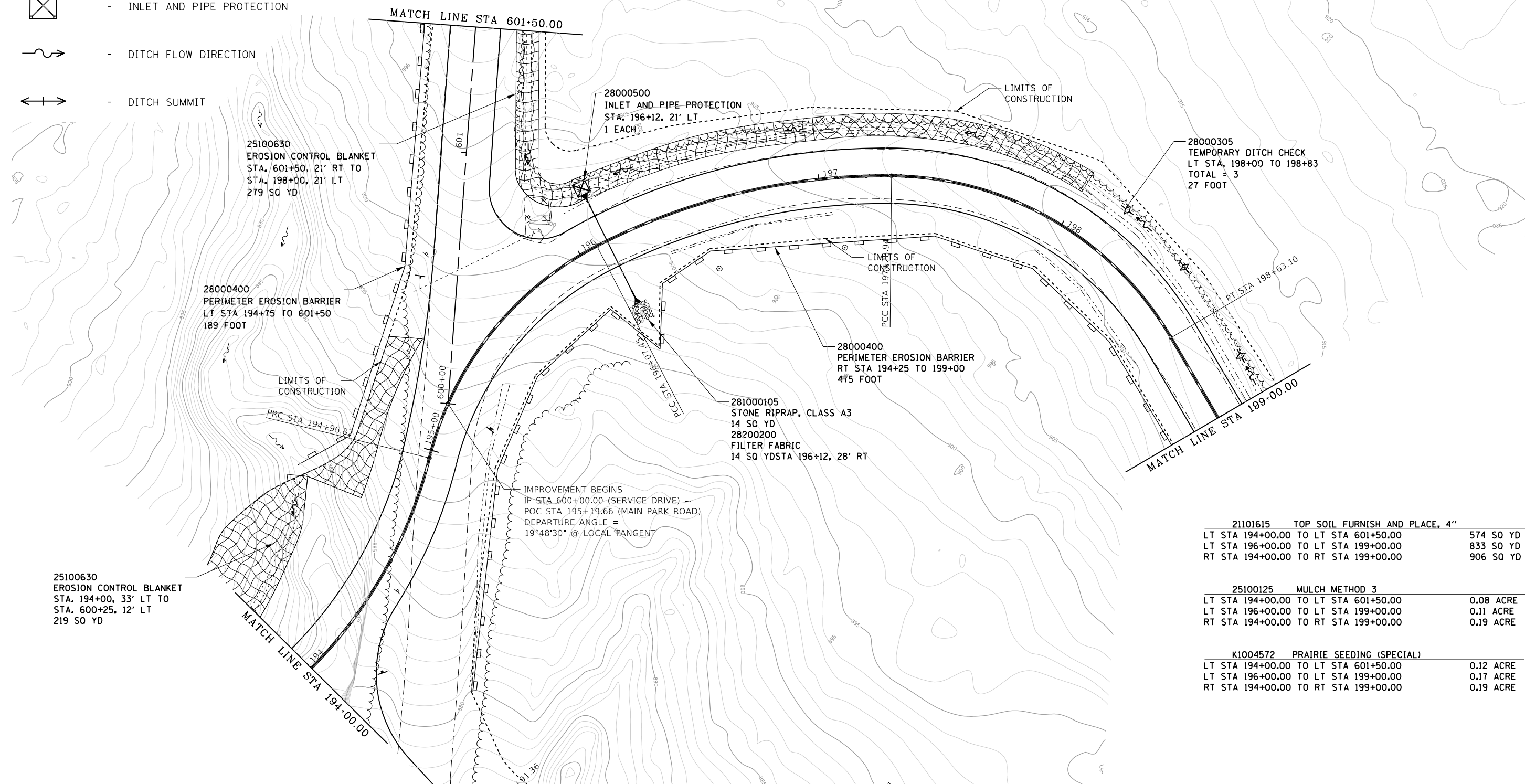
**MAIN PARK ROAD (EROSION CONTROL)  
LAKE LE-AQUA-NA STATE PARK**

SCALE: 1" = 20'    SHEET    OF    SHEETS    STA. 188+00.00 TO STA. 194+00.00

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	LAKE LE-AQUA-NA 2018	STEPHENSON	308	153
			CONTRACT NO. 46906	
ILLINOIS FED. AID PROJECT				

-  - NEW HOT-MIX ASPHALT PAVEMENT
-  - EROSION CONTROL BLANKET
-  - TURF REINFORCEMENT MAT
-  - TEMPORARY DITCH CHECK
-  - INLET AND PIPE PROTECTION
-  - DITCH FLOW DIRECTION
-  - DITCH SUMMIT

NOTES:  
SEE ALIGNMENTS SHEET FOR PROPOSED CENTERLINE  
STATIONING AND ALIGNMENT INFORMATION.



21101615 TOP SOIL FURNISH AND PLACE, 4"		
LT STA 194+00.00 TO LT STA 601+50.00		574 SQ YD
LT STA 196+00.00 TO LT STA 199+00.00		833 SQ YD
RT STA 194+00.00 TO RT STA 199+00.00		906 SQ YD

25100125 MULCH METHOD 3		
LT STA 194+00.00 TO LT STA 601+50.00		0.08 ACRE
LT STA 196+00.00 TO LT STA 199+00.00		0.11 ACRE
RT STA 194+00.00 TO RT STA 199+00.00		0.19 ACRE

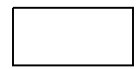

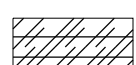
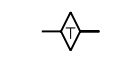

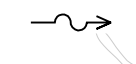
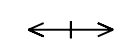
K1004572 PRAIRIE SEEDING (SPECIAL)		
LT STA 194+00.00 TO LT STA 601+50.00		0.12 ACRE
LT STA 196+00.00 TO LT STA 199+00.00		0.17 ACRE
RT STA 194+00.00 TO RT STA 199+00.00		0.19 ACRE

FILE NAME =	USER NAME = joeb	DESIGNED - J.E.B.	REVISED -
C - Erosion Control Plan_Main Park Road_194+00.dgn		DRAWN - S.D.K.	REVISED -
Default	PLOT SCALE = 40.0000' / in.	CHECKED - R.H.D.	REVISED -
	PLOT DATE = 8/29/2019	DATE - 8/28/19	REVISED -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

<b>MAIN PARK ROAD (EROSION CONTROL) LAKE LE-AQUA-NA STATE PARK</b>			
SCALE: 1" = 20'	SHEET	OF SHEETS	STA. 194+00.00 TO STA. 199+00.00

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	LAKE LE-AQUA-NA 2018	STEPHENSON	308	154
			CONTRACT NO. 46906	
ILLINOIS FED. AID PROJECT				

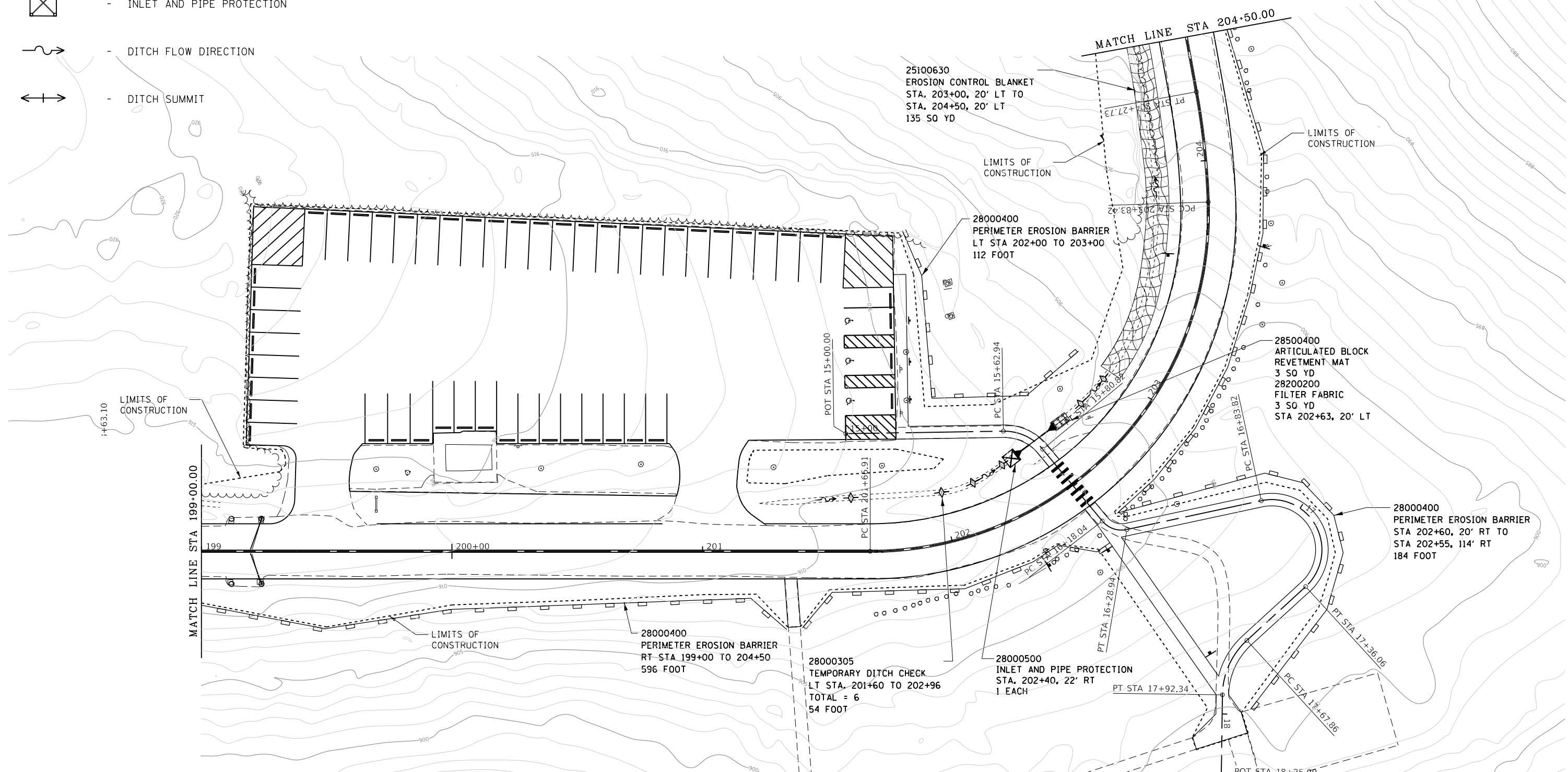
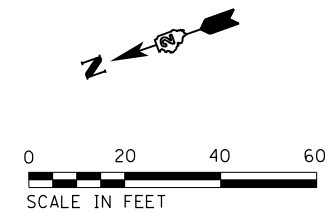
-  - NEW HOT-MIX ASPHALT PAVEMENT
-  - EROSION CONTROL BLANKET
-  - TURF REINFORCEMENT MAT
-  - TEMPORARY DITCH CHECK
-  - INLET AND PIPE PROTECTION
-  - DITCH FLOW DIRECTION
-  - DITCH SUMMIT

NOTES:  
SEE ALIGNMENTS SHEET FOR PROPOSED CENTERLINE  
STATIONING AND ALIGNMENT INFORMATION.

21101615 TOP SOIL FURNISH AND PLACE, 4"  
LT STA 199+00.00 TO LT STA 204+50.00 1,176 SQ YD  
RT STA 199+00.00 TO RT STA 204+50.00 554 SQ YD

25100125 MULCH METHOD 3  
LT STA 199+00.00 TO LT STA 204+50.00 0.22 ACRE  
RT STA 199+00.00 TO RT STA 204+50.00 0.12 ACRE

K1004572 PRAIRIE SEEDING (SPECIAL)  
LT STA 199+00.00 TO LT STA 204+50.00 0.25 ACRE  
RT STA 199+00.00 TO RT STA 204+50.00 0.12 ACRE

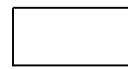

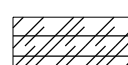
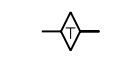

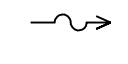
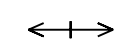


FILE NAME =	USER NAME = joeb	DESIGNED - J.E.B.	REVISED -
C - Erosion Control Plan_Main Park Road_199+00.dgn		DRAWN - S.D.K.	REVISED -
Default	PLOT SCALE = 40.0000' / in.	CHECKED - R.H.D.	REVISED -
	PLOT DATE = 9/23/2019	DATE - 8/28/19	REVISED -

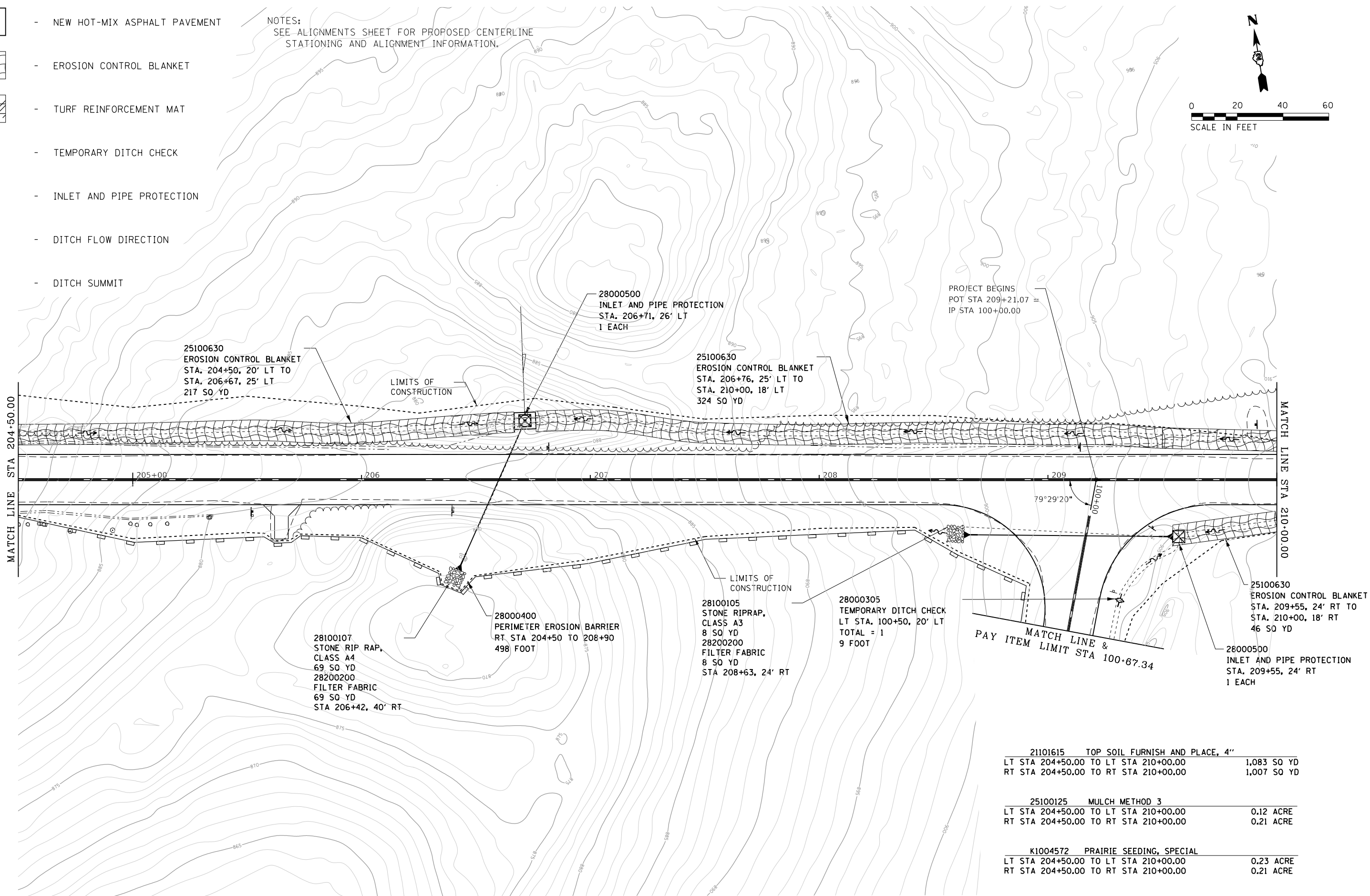
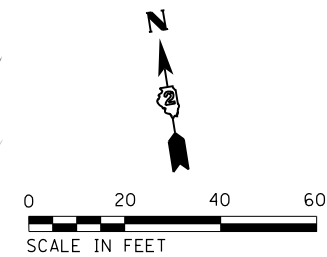
**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

<b>MAIN PARK ROAD (EROSION CONTROL)</b>		F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
<b>LAKE LE-AQUA-NA STATE PARK</b>		LAKE LE-AQUA-NA 2018	STEPHENSON	308	155	
SCALE: 1" = 20'		SHEET	OF	SHEETS	STA. 199+00.00	TO STA. 204+50.00

CONTRACT NO. 46906		ILLINOIS	FED. AID PROJECT
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-  - NEW HOT-MIX ASPHALT PAVEMENT
-  - EROSION CONTROL BLANKET
-  - TURF REINFORCEMENT MAT
-  - TEMPORARY DITCH CHECK
-  - INLET AND PIPE PROTECTION
-  - DITCH FLOW DIRECTION
-  - DITCH SUMMIT

NOTES:  
SEE ALIGNMENTS SHEET FOR PROPOSED CENTERLINE  
STATIONING AND ALIGNMENT INFORMATION.



21101615	TOP SOIL FURNISH AND PLACE, 4"	
LT STA 204+50.00 TO LT STA 210+00.00		1,083 SQ YD
RT STA 204+50.00 TO RT STA 210+00.00		1,007 SQ YD

25100125	MULCH METHOD 3	
LT STA 204+50.00 TO LT STA 210+00.00		0.12 ACRE
RT STA 204+50.00 TO RT STA 210+00.00		0.21 ACRE

K1004572	PRAIRIE SEEDING, SPECIAL	
LT STA 204+50.00 TO LT STA 210+00.00		0.23 ACRE
RT STA 204+50.00 TO RT STA 210+00.00		0.21 ACRE

FILE NAME =	USER NAME = joeb	DESIGNED - J.E.B.	REVISED -
C - Erosion Control Plan, Main Park Road	204+50.dgn	DRAWN - S.D.K.	REVISED -
Default	PLOT SCALE = 40.0000' / in.	CHECKED - R.H.D.	REVISED -
	PLOT DATE = 8/29/2019	DATE - 8/28/19	REVISED -



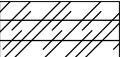




**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**MAIN PARK ROAD (EROSION CONTROL)  
LAKE LE-AQUA-NA STATE PARK**

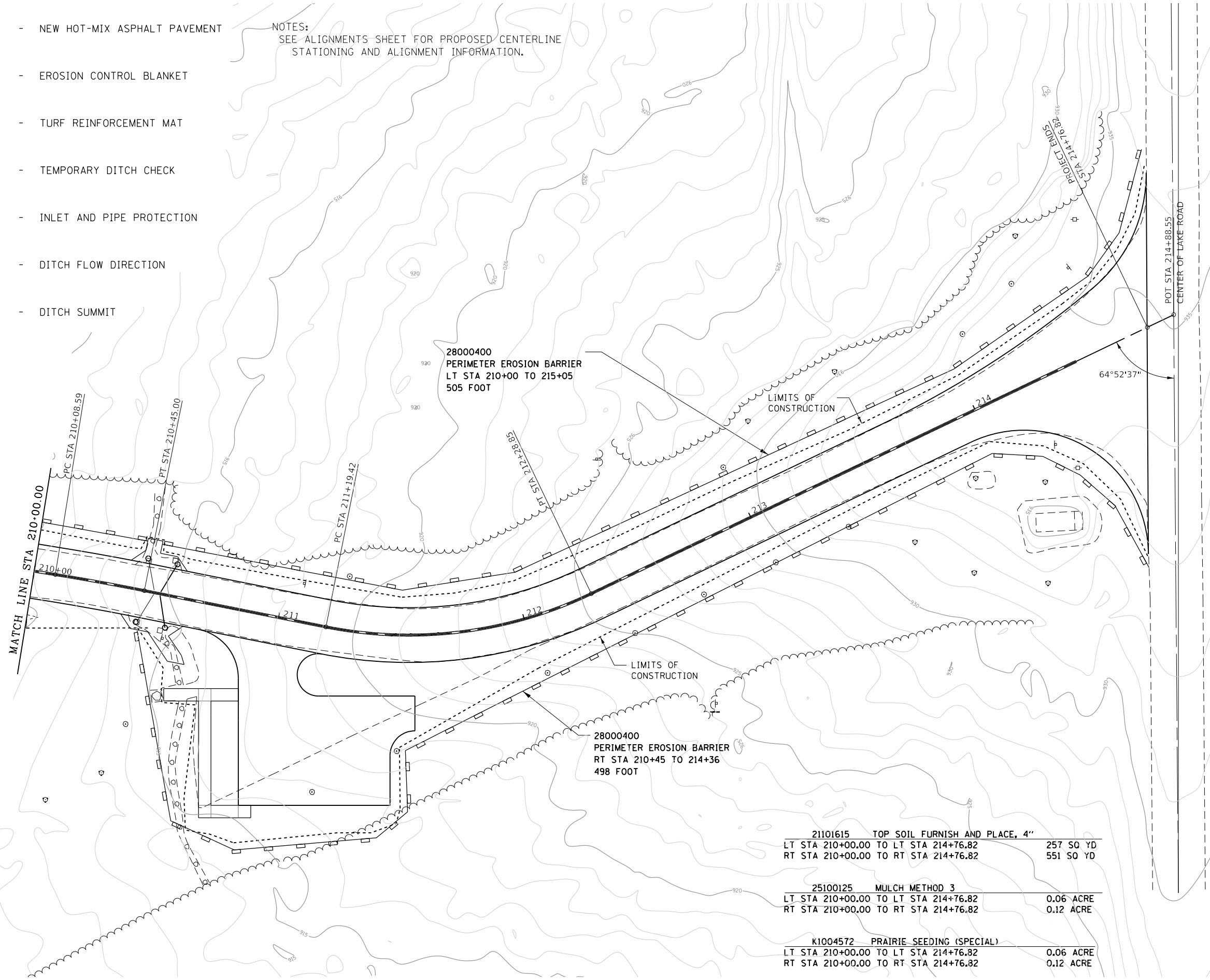
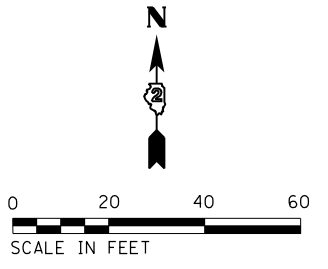
SCALE: 1" = 20' SHEET OF SHEETS STA. 204+50.00 TO STA. 210+00.00

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	LAKE LE-AQUA-NA 2018	STEPHENSON	308	156
			CONTRACT NO. 46906	
ILLINOIS FED. AID PROJECT				



-  - NEW HOT-MIX ASPHALT PAVEMENT
-  - EROSION CONTROL BLANKET
-  - TURF REINFORCEMENT MAT
-  - TEMPORARY DITCH CHECK
-  - INLET AND PIPE PROTECTION
-  - DITCH FLOW DIRECTION
-  - DITCH SUMMIT

NOTES:  
SEE ALIGNMENTS SHEET FOR PROPOSED CENTERLINE  
STATIONING AND ALIGNMENT INFORMATION.



21101615 TOP SOIL FURNISH AND PLACE, 4"  
LT STA 210+00.00 TO LT STA 214+76.82 257 SQ YD  
RT STA 210+00.00 TO RT STA 214+76.82 551 SQ YD

25100125 MULCH METHOD 3  
LT STA 210+00.00 TO LT STA 214+76.82 0.06 ACRE  
RT STA 210+00.00 TO RT STA 214+76.82 0.12 ACRE








K1004572 PRAIRIE SEEDING (SPECIAL)  
LT STA 210+00.00 TO LT STA 214+76.82 0.06 ACRE  
RT STA 210+00.00 TO RT STA 214+76.82 0.12 ACRE

FILE NAME =	USER NAME = joeb	DESIGNED - J.E.B.	REVISED -
C - Erosion Control Plan_Main Park Road_210+00.dgn		DRAWN - S.D.K.	REVISED -
Default	PLOT SCALE = 40.0000' / in.	CHECKED - R.H.D.	REVISED -
	PLOT DATE = 8/29/2019	DATE - 8/28/19	REVISED -

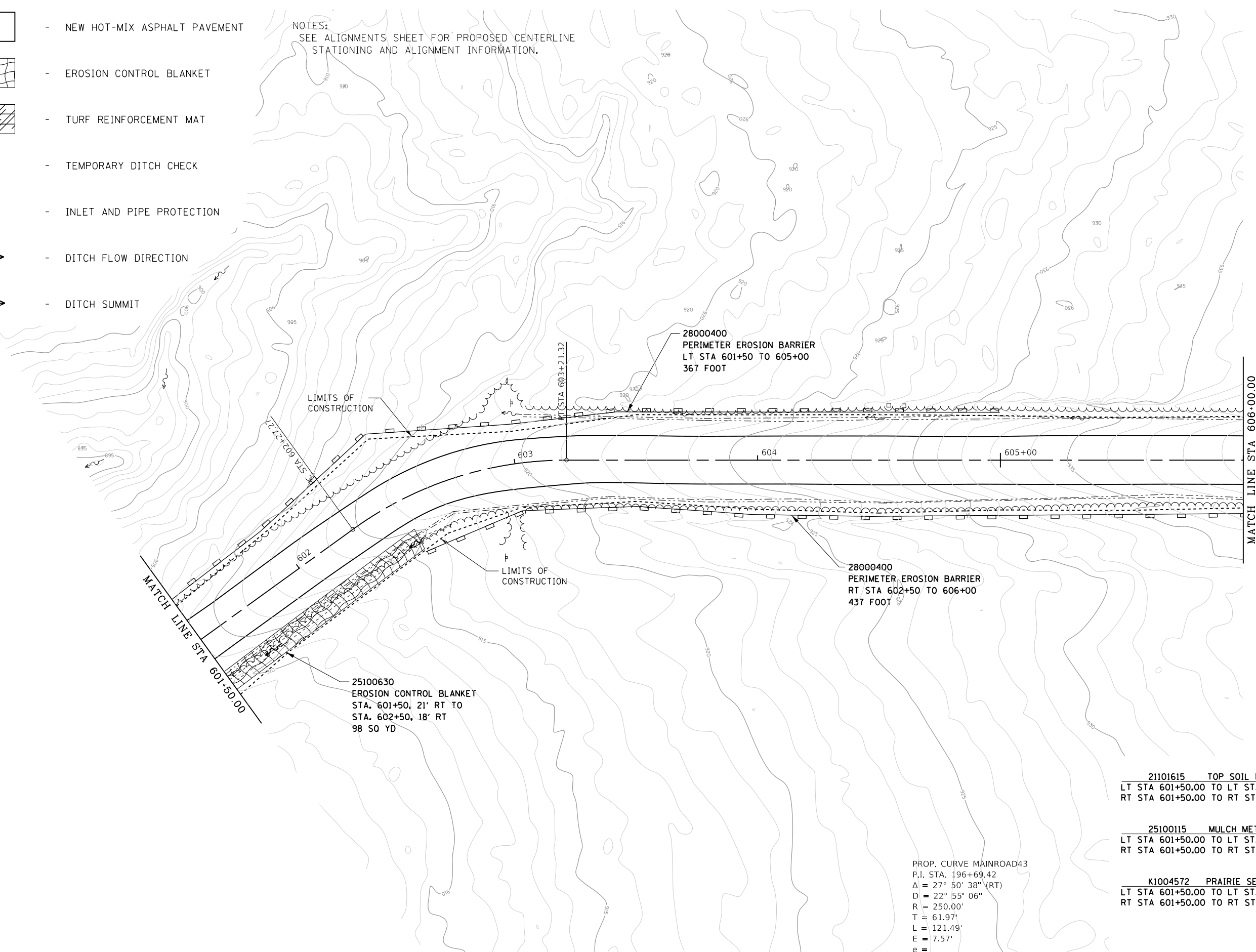
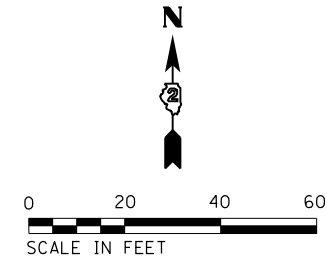
**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

<b>MAIN PARK ROAD (EROSION CONTROL) LAKE LE-AQUA-NA STATE PARK</b>			
SCALE: 1" = 20'	SHEET	OF	SHEETS
	STA. 210+00.00	TO	STA. 214+69.80

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	LAKE LE-AQUA-NA 2018	STEPHENSON	308	157
CONTRACT NO. 46906				
ILLINOIS FED. AID PROJECT				

-  - NEW HOT-MIX ASPHALT PAVEMENT
-  - EROSION CONTROL BLANKET
-  - TURF REINFORCEMENT MAT
-  - TEMPORARY DITCH CHECK
-  - INLET AND PIPE PROTECTION
-  - DITCH FLOW DIRECTION
-  - DITCH SUMMIT

NOTES:  
SEE ALIGNMENTS SHEET FOR PROPOSED CENTERLINE  
STATIONING AND ALIGNMENT INFORMATION.



PROP. CURVE MAINROAD43  
P.I. STA. 196+69.42  
 $\Delta = 27^\circ 50' 38''$  (RT)  
D = 22° 55' 06"  
R = 250.00'  
T = 61.97'  
L = 121.49'  
E = 7.57'  
e =

21101615 TOP SOIL FURNISH AND PLACE, 4"	
LT STA 601+50.00 TO LT STA 606+00.00	455 SQ YD
RT STA 601+50.00 TO RT STA 606+00.00	555 SQ YD

25100115 MULCH METHOD 2	
LT STA 601+50.00 TO LT STA 606+00.00	0.10 ACRE
RT STA 601+50.00 TO RT STA 606+00.00	0.10 ACRE

K1004572 PRAIRIE SEEDING (SPECIAL)	
LT STA 601+50.00 TO LT STA 606+00.00	0.10 ACRE
RT STA 601+50.00 TO RT STA 606+00.00	0.12 ACRE


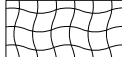
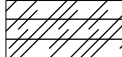




FILE NAME =	USER NAME = joeb	DESIGNED - J.E.B.	REVISED -
C - Erosion Control Plan.Office-Service	Drive_601+50.dgn	DRAWN - S.D.K.	REVISED -
Default	PLOT SCALE = 40.0000' / in.	CHECKED - R.H.D.	REVISED -
	PLOT DATE = 8/29/2019	DATE - 8/28/19	REVISED -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

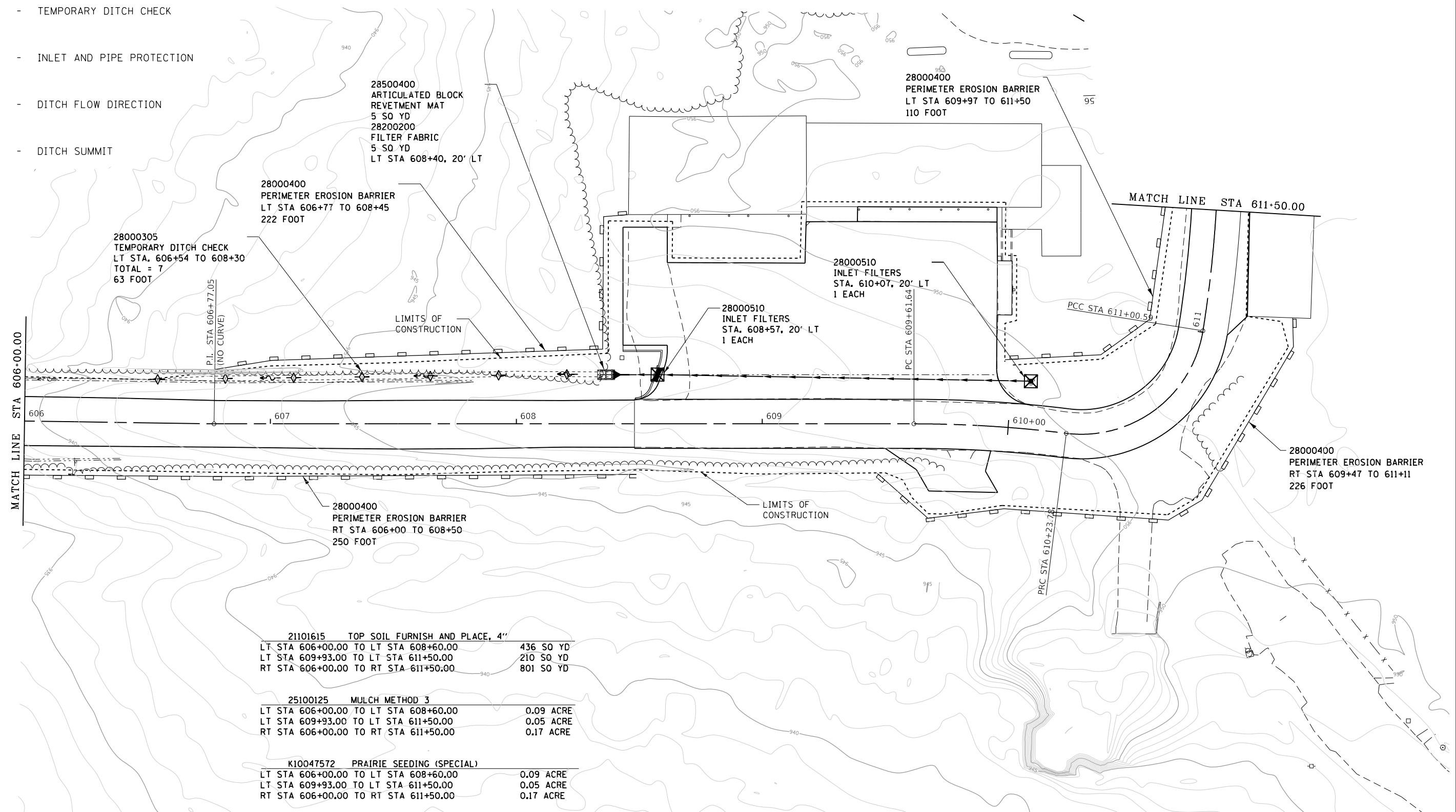
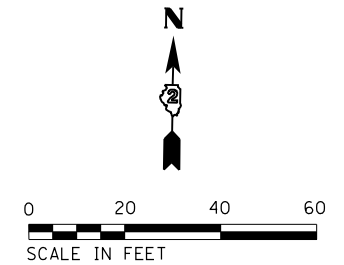
**PARK OFFICE SERVICE DRIVE (EROSION CONTROL)  
LAKE LE-AQUA-NA STATE PARK**

SCALE: 1" = 20' SHEET OF SHEETS STA. 601+50.00 TO STA. 606+00.00

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	LAKE LE-AQUA-NA 2018	STEPHENSON	308	158
			CONTRACT NO. 46906	
ILLINOIS FED. AID PROJECT				

-  - NEW HOT-MIX ASPHALT PAVEMENT
-  - EROSION CONTROL BLANKET
-  - TURF REINFORCEMENT MAT
-  - TEMPORARY DITCH CHECK
-  - INLET AND PIPE PROTECTION
-  - DITCH FLOW DIRECTION
-  - DITCH SUMMIT

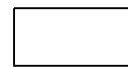
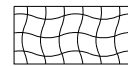
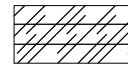
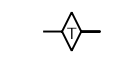
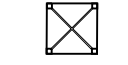
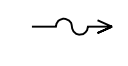
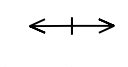
NOTES:  
SEE ALIGNMENTS SHEET FOR PROPOSED CENTERLINE  
STATIONING AND ALIGNMENT INFORMATION.



<b>21101615 TOP SOIL FURNISH AND PLACE, 4"</b>	
LT STA 606+00.00 TO LT STA 608+60.00	436 SQ YD
LT STA 609+93.00 TO LT STA 611+50.00	210 SQ YD
RT STA 606+00.00 TO RT STA 611+50.00	801 SQ YD
<b>25100125 MULCH METHOD 3</b>	
LT STA 606+00.00 TO LT STA 608+60.00	0.09 ACRE
LT STA 609+93.00 TO LT STA 611+50.00	0.05 ACRE
RT STA 606+00.00 TO RT STA 611+50.00	0.17 ACRE
<b>K10047572 PRAIRIE SEEDING (SPECIAL)</b>	
LT STA 606+00.00 TO LT STA 608+60.00	0.09 ACRE
LT STA 609+93.00 TO LT STA 611+50.00	0.05 ACRE
RT STA 606+00.00 TO RT STA 611+50.00	0.17 ACRE

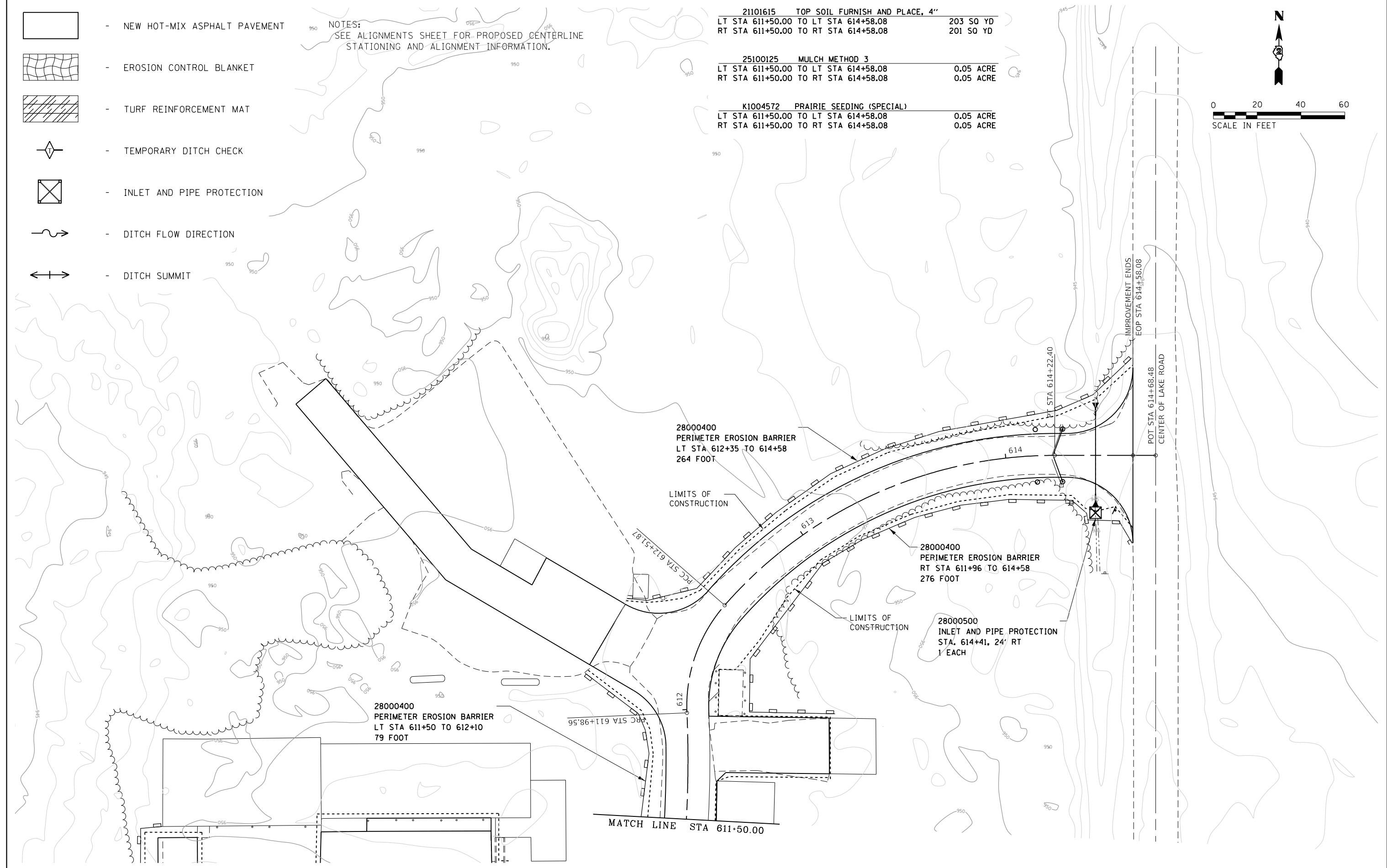
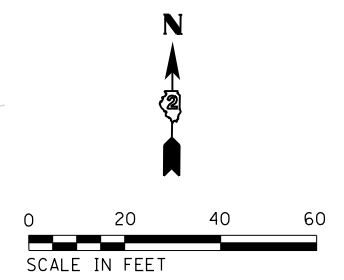
FILE NAME =	USER NAME = joeb	DESIGNED - J.E.B.	REVISED -	<b>STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION</b>	<b>PARK OFFICE SERVICE DRIVE (EROSION CONTROL) LAKE LE-AQUA-NA STATE PARK</b>			F.A. RTÉ.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	
C - Erosion Control Plan.Office-Service Drive.606+00.dgn		DRAWN - S.D.K.	REVISED -					LAKE LE-AQUA-NA 2018	STEPHENSON	308	159		
Default	PLOT SCALE = 40.0000' / in.	CHECKED - R.H.D.	REVISED -					CONTRACT NO. 46906					
	PLOT DATE = 8/29/2019	DATE - 8/28/19	REVISED -					ILLINOIS FED. AID PROJECT					
					SCALE: 1" = 20'	SHEET	OF	SHEETS	STA. 194+00.00	TO	STA. 199+00.00		



-  - NEW HOT-MIX ASPHALT PAVEMENT
-  - EROSION CONTROL BLANKET
-  - TURF REINFORCEMENT MAT
-  - TEMPORARY DITCH CHECK
-  - INLET AND PIPE PROTECTION
-  - DITCH FLOW DIRECTION
-  - DITCH SUMMIT

NOTES:  
SEE ALIGNMENTS SHEET FOR PROPOSED CENTERLINE  
STATIONING AND ALIGNMENT INFORMATION.

21101615	TOP SOIL FURNISH AND PLACE, 4"	
LT STA 611+50.00 TO LT STA 614+58.08		203 SQ YD
RT STA 611+50.00 TO RT STA 614+58.08		201 SQ YD
25100125	MULCH METHOD 3	
LT STA 611+50.00 TO LT STA 614+58.08		0.05 ACRE
RT STA 611+50.00 TO RT STA 614+58.08		0.05 ACRE
K1004572	PRAIRIE SEEDING (SPECIAL)	
LT STA 611+50.00 TO LT STA 614+58.08		0.05 ACRE
RT STA 611+50.00 TO RT STA 614+58.08		0.05 ACRE



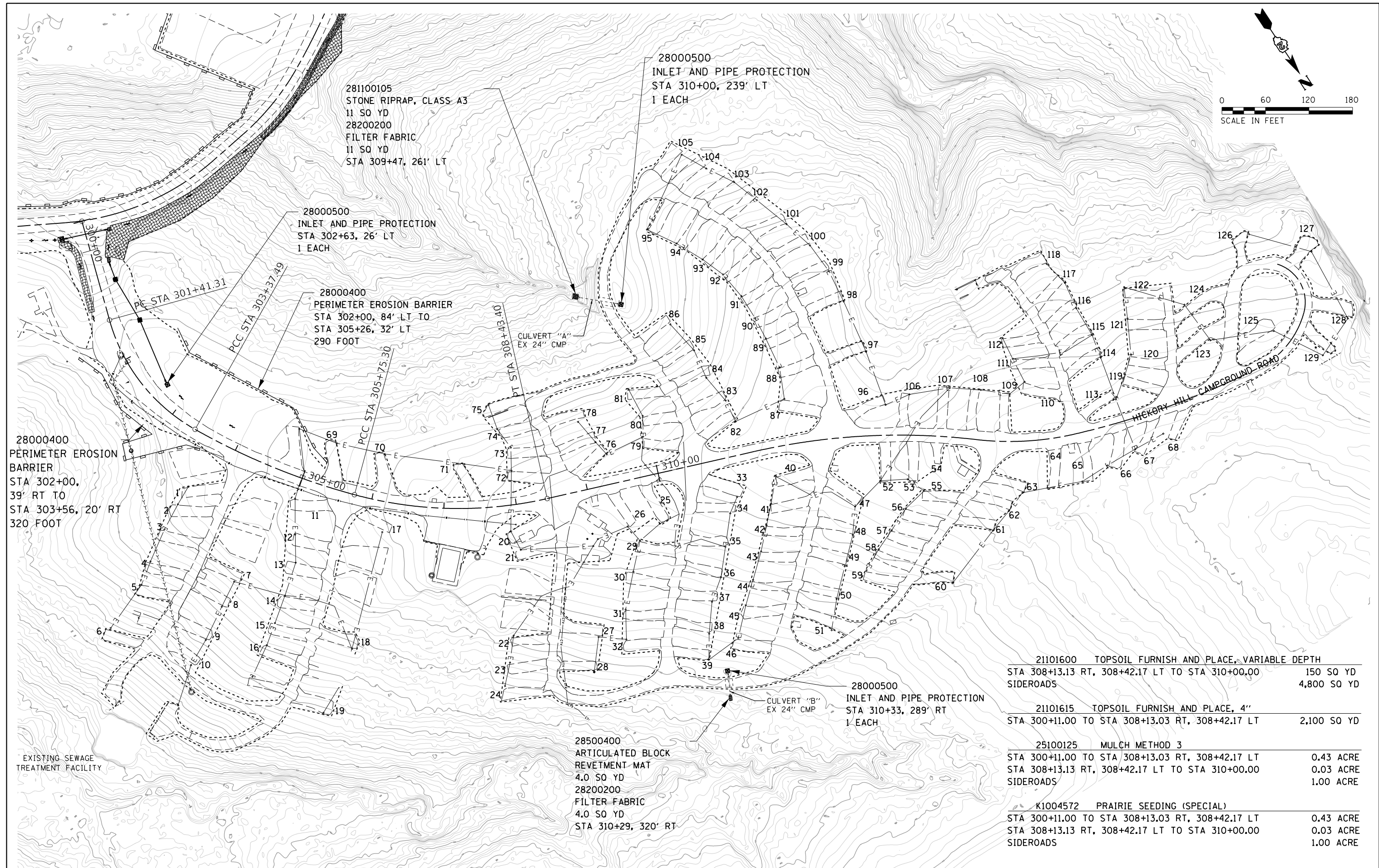
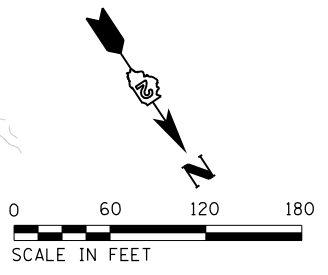
FILE NAME =	USER NAME = joeb	DESIGNED - J.E.B.	REVISED -
C - Erosion Control Plan.Office-Service Drive.611+50.dgn		DRAWN - S.D.K.	REVISED -
Default	PLOT SCALE = 40.0000' / in.	CHECKED - R.H.D.	REVISED -
	PLOT DATE = 8/29/2019	DATE - 8/28/19	REVISED -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**PARK OFFICE SERVICE DRIVE (EROSION CONTROL)  
LAKE LE-AQUA-NA STATE PARK**

SCALE: 1" = 20' SHEET OF SHEETS STA. 611+50.00 TO STA. 614+68.48

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	LAKE LE-AQUA-NA 2018	STEPHENSON	308	160
			CONTRACT NO. 46906	
ILLINOIS FED. AID PROJECT				



281100105  
STONE RIPRAP, CLASS A3  
11 SQ YD  
28200200  
FILTER FABRIC  
11 SQ YD  
STA 309+47, 261' LT

28000500  
INLET AND PIPE PROTECTION  
STA 310+00, 239' LT  
1 EACH

28000500  
INLET AND PIPE PROTECTION  
STA 302+63, 26' LT  
1 EACH

28000400  
PERIMETER EROSION BARRIER  
STA 302+00, 84' LT TO  
STA 305+26, 32' LT  
290 FOOT

CULVERT "A"  
EX 24" CMP

28000400  
PERIMETER EROSION  
BARRIER  
STA 302+00,  
39' RT TO  
STA 303+56, 20' RT  
320 FOOT

EXISTING SEWAGE  
TREATMENT FACILITY

28500400  
ARTICULATED BLOCK  
REVTMENT MAT  
4.0 SQ YD  
28200200  
FILTER FABRIC  
4.0 SQ YD  
STA 310+29, 320' RT

28000500  
INLET AND PIPE PROTECTION  
STA 310+33, 289' RT  
1 EACH

21101600	TOPSOIL FURNISH AND PLACE, VARIABLE DEPTH	150 SQ YD
	STA 308+13.13 RT, 308+42.17 LT TO STA 310+00.00	4,800 SQ YD
	SIDERoadS	
21101615	TOPSOIL FURNISH AND PLACE, 4"	2,100 SQ YD
	STA 300+11.00 TO STA 308+13.03 RT, 308+42.17 LT	
	SIDERoadS	
25100125	MULCH METHOD 3	0.43 ACRE
	STA 300+11.00 TO STA 308+13.03 RT, 308+42.17 LT	0.03 ACRE
	STA 308+13.13 RT, 308+42.17 LT TO STA 310+00.00	1.00 ACRE
	SIDERoadS	
K1004572	PRAIRIE SEEDING (SPECIAL)	0.43 ACRE
	STA 300+11.00 TO STA 308+13.03 RT, 308+42.17 LT	0.03 ACRE
	STA 308+13.13 RT, 308+42.17 LT TO STA 310+00.00	1.00 ACRE
	SIDERoadS	

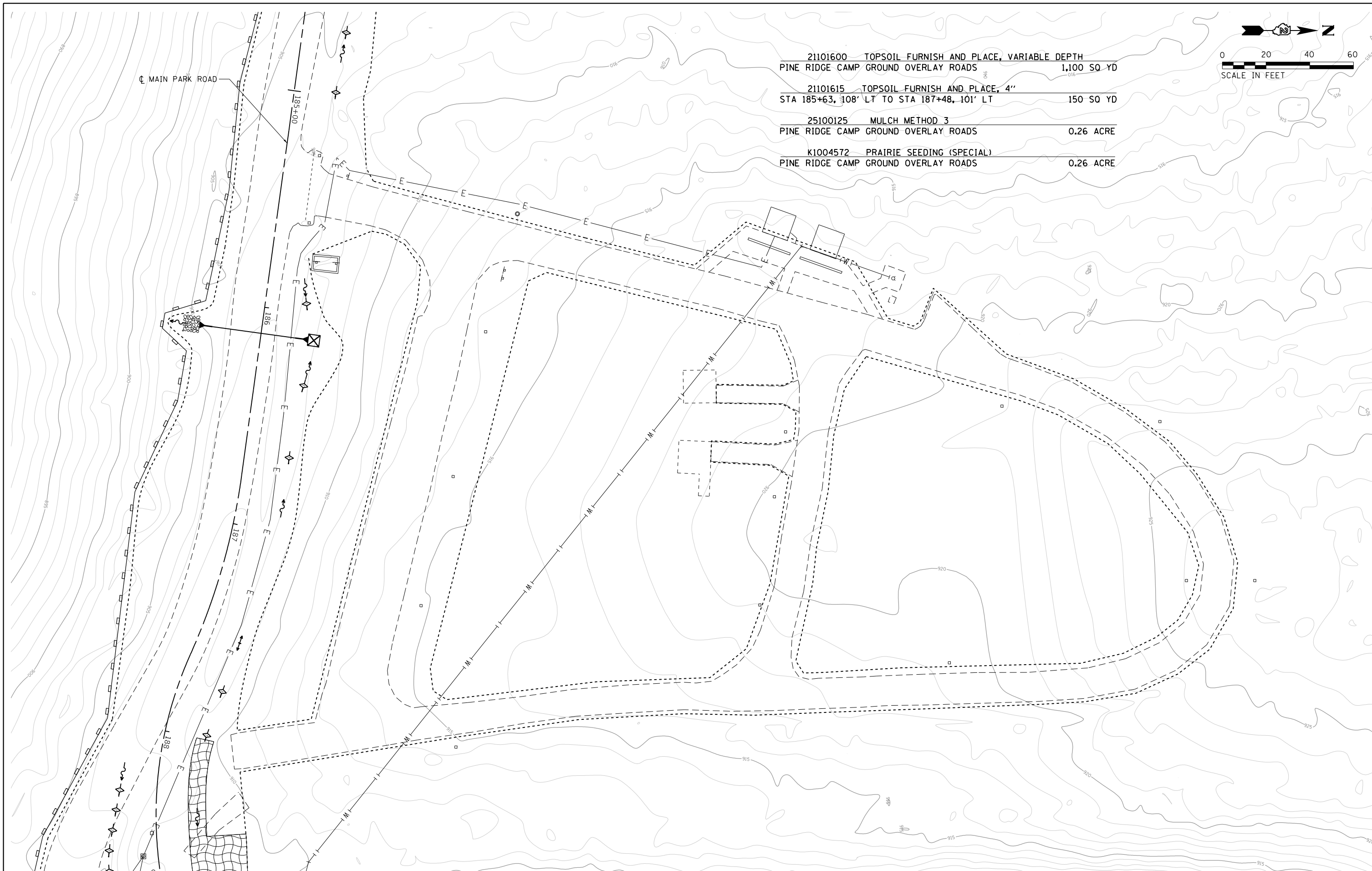
FILE NAME =	USER NAME = joeb	DESIGNED - J.E.B.	REVISED -
C - Erosion Control Plan, Hickory Hill Campground.dgn		DRAWN - S.D.K.	REVISED -
Default	PLOT SCALE = 120.0000' / in.	CHECKED - R.H.D.	REVISED -
	PLOT DATE = 9/23/2019	DATE - 8/28/19	REVISED -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**HICKORY HILL CAMPGROUND (EROSION CONTROL)  
LAKE LE-AQUA-NA STATE PARK**

SCALE: 1" = 60' SHEET OF SHEETS STA. 300+11.02 TO STA. 320+00.00

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	LAKE LE-AQUA-NA 2018	STEPHENSON	308	161
			CONTRACT NO. 46906	
ILLINOIS FED. AID PROJECT				



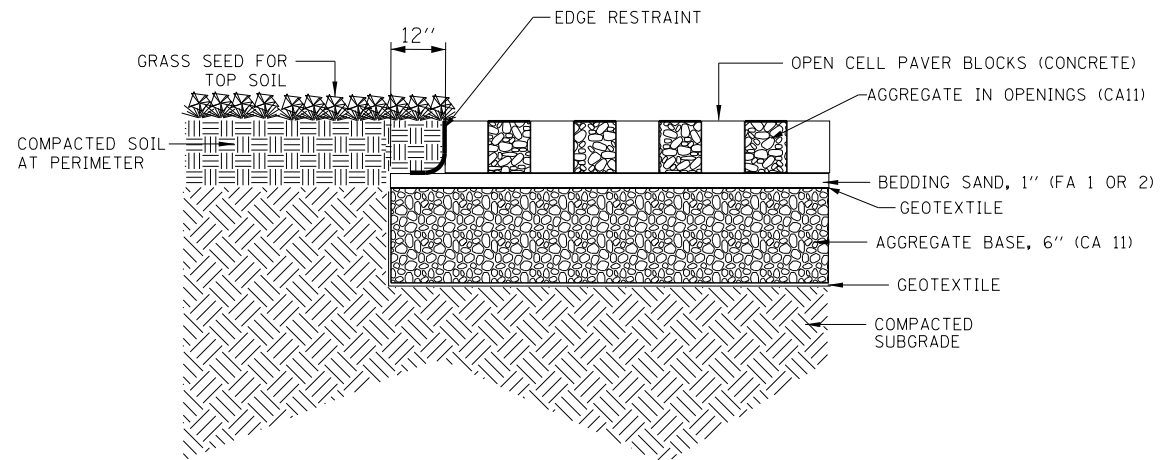
21101600	TOPSOIL FURNISH AND PLACE, VARIABLE DEPTH	1,100 SQ YD
PINE RIDGE CAMP GROUND OVERLAY ROADS		
21101615	TOPSOIL FURNISH AND PLACE, 4"	150 SQ YD
STA 185+63, 108' LT TO STA 187+48, 101' LT		
25100125	MULCH METHOD 3	0.26 ACRE
PINE RIDGE CAMP GROUND OVERLAY ROADS		
K1004572	PRAIRIE SEEDING (SPECIAL)	0.26 ACRE
PINE RIDGE CAMP GROUND OVERLAY ROADS		

FILE NAME =	USER NAME = joeb	DESIGNED - J.E.B.	REVISED -
C - Erosion Control Plan, Pine Ridge Campground.dgn		DRAWN - S.D.K.	REVISED -
Default	PLOT SCALE = 40.0000' / in.	CHECKED - R.H.D.	REVISED -
	PLOT DATE = 8/29/2019	DATE - 8/28/19	REVISED -

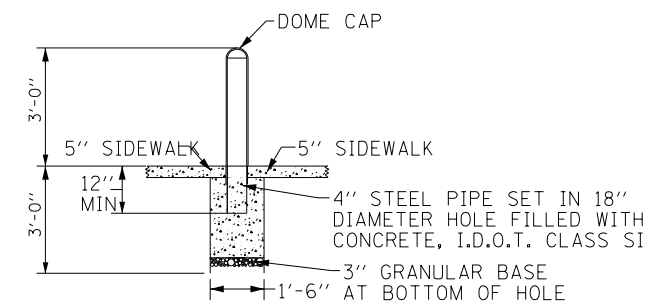
**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

<b>PINE RIDGE CAMPGROUND (EROSION CONTROL)</b>			
<b>LAKE LE-AQUA-NA STATE PARK</b>			
SCALE: 1" = 20'	SHEET	OF SHEETS	STA. 185+00.00 TO STA. 188+00.00

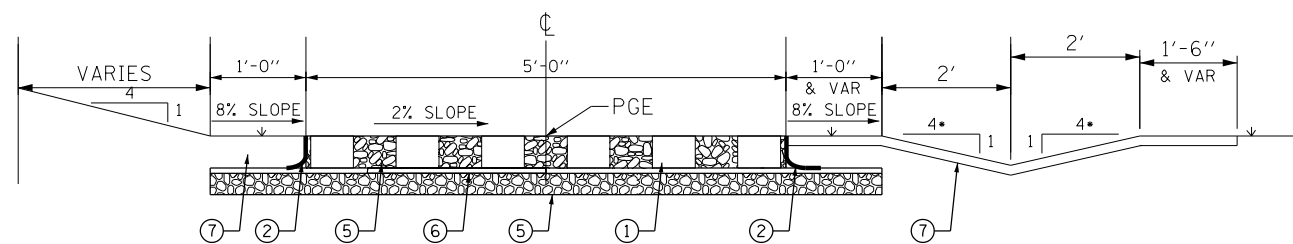
F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	LAKE LE-AQUA-NA 2018	STEPHENSON	308	162
			CONTRACT NO. 46906	
ILLINOIS FED. AID PROJECT				



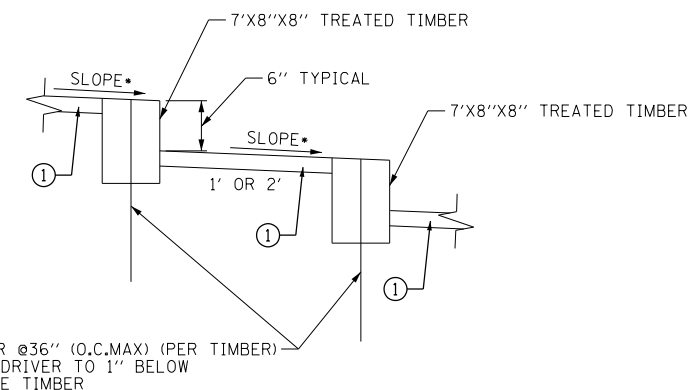
PAVER DETAIL CROSS SECTION  
NOT TO SCALE



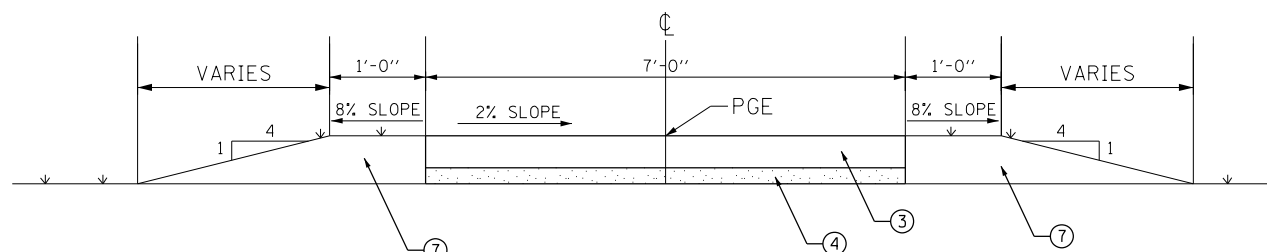
BOLLARD DETAIL  
NOT TO SCALE



OPEN CELL PAVER BLOCK SECTION (STEPS)  
STA. 0+44.51 TO STA. 2+00.84  
STA. 3+50.00 TO STA. 3+77.33



TIMBER STEP DETAIL  
NOT TO SCALE



SIDEWALK SECTION  
STA. 0+38.50 TO STA. 0+44.51  
STA. 2+00.84 TO STA. 2+26.84

LEGEND

- ① PROPOSED OPEN CELL PAVER BLOCKS (CONCRETE)
- ② PROPOSED PAVER BLOCK EDGE RESTRAINT
- ③ PROPOSED PORTLAND CEMENT CONCRETE SIDEWALK 5"
- ④ PROPOSED 3" MINIMUM AGGREGATE BASE COURSE, TYPE B
- ⑤ PROPOSED AGGREGATE (CA11), 6"
- ⑥ PROPOSED BEDDING SAND (FA 1 OR 2), 1"
- ⑦ PROPOSED TOPSOIL FURNISH AND PLACE, VARIABLE DEPTH.

FILE NAME = C - Details & Dist Stds.dgn	USER NAME = joeb	DESIGNED - S.D.K.	REVISED -
		DRAWN - S.D.K.	REVISED -
	PLOT SCALE = 40.0000' / in.	CHECKED - R.H.D.	REVISED -
	PLOT DATE = 9/23/2019	DATE - 8/28/19	REVISED -

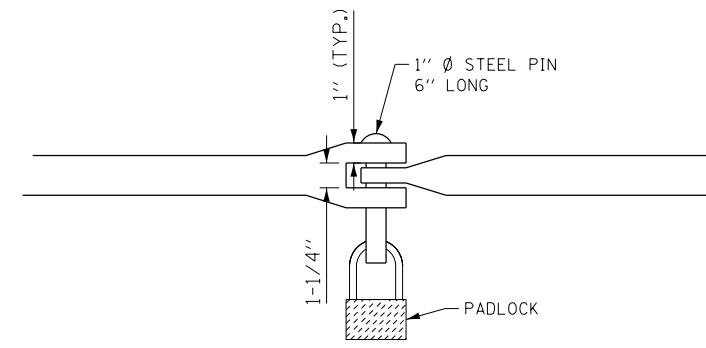
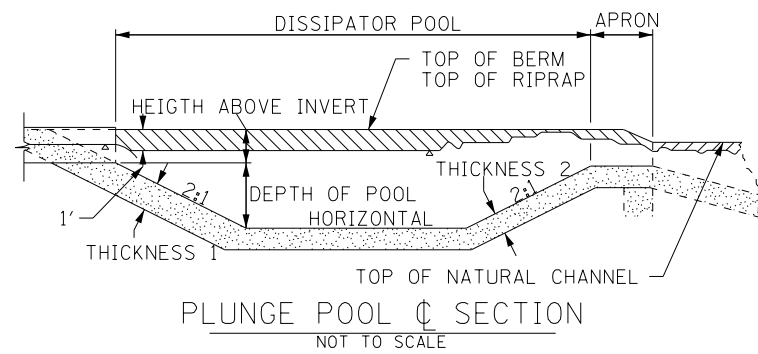
STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

TYPICAL SECTIONS & DETAILS - OPEN CELL PAVER STEPS  
LAKE LE-AQUA-NA STATE PARK

SCALE: SHEET 1 OF 3 SHEETS STA. TO STA.

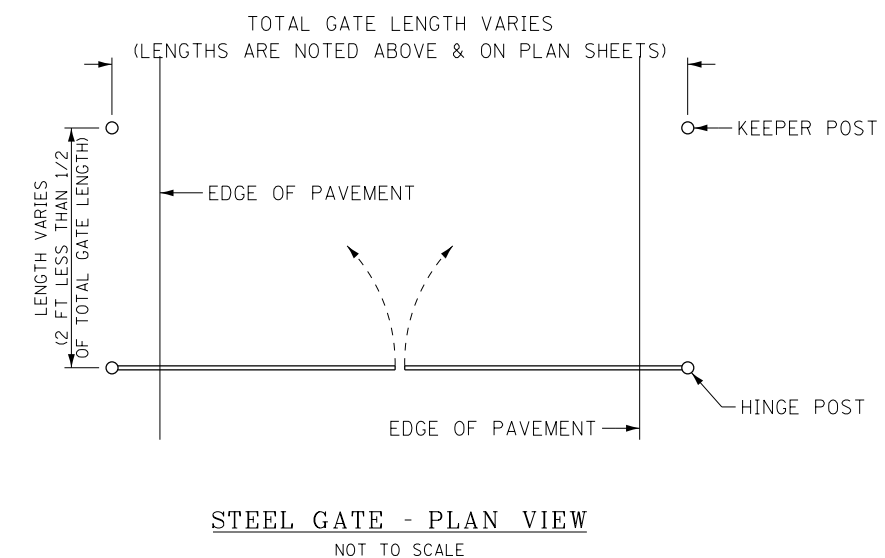
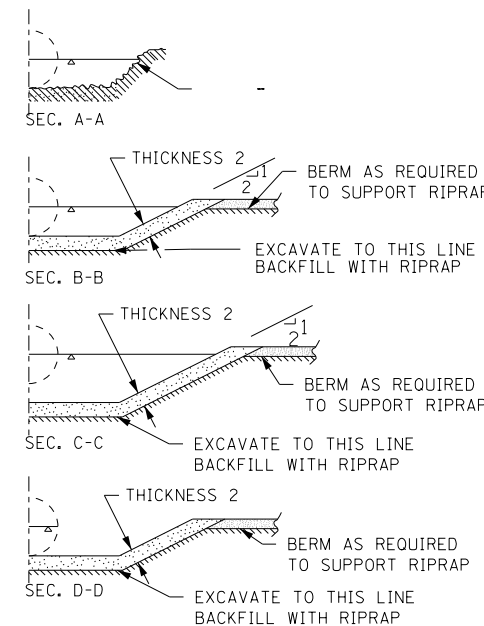
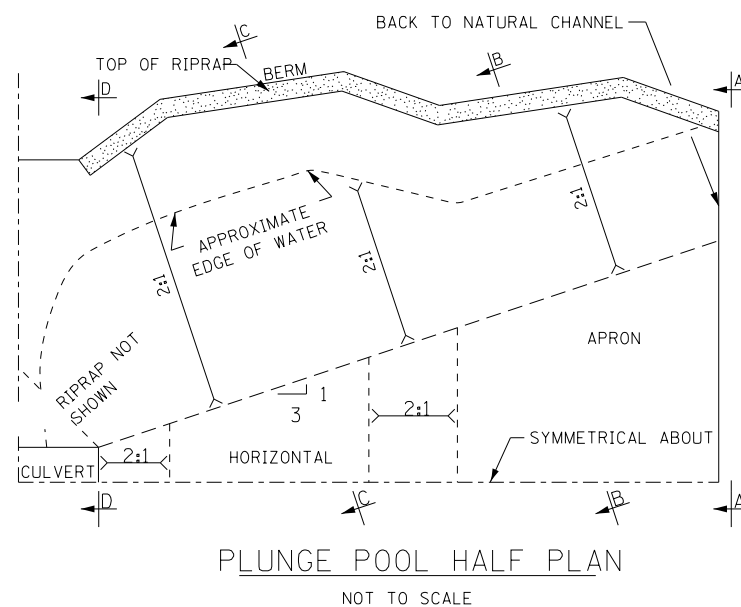
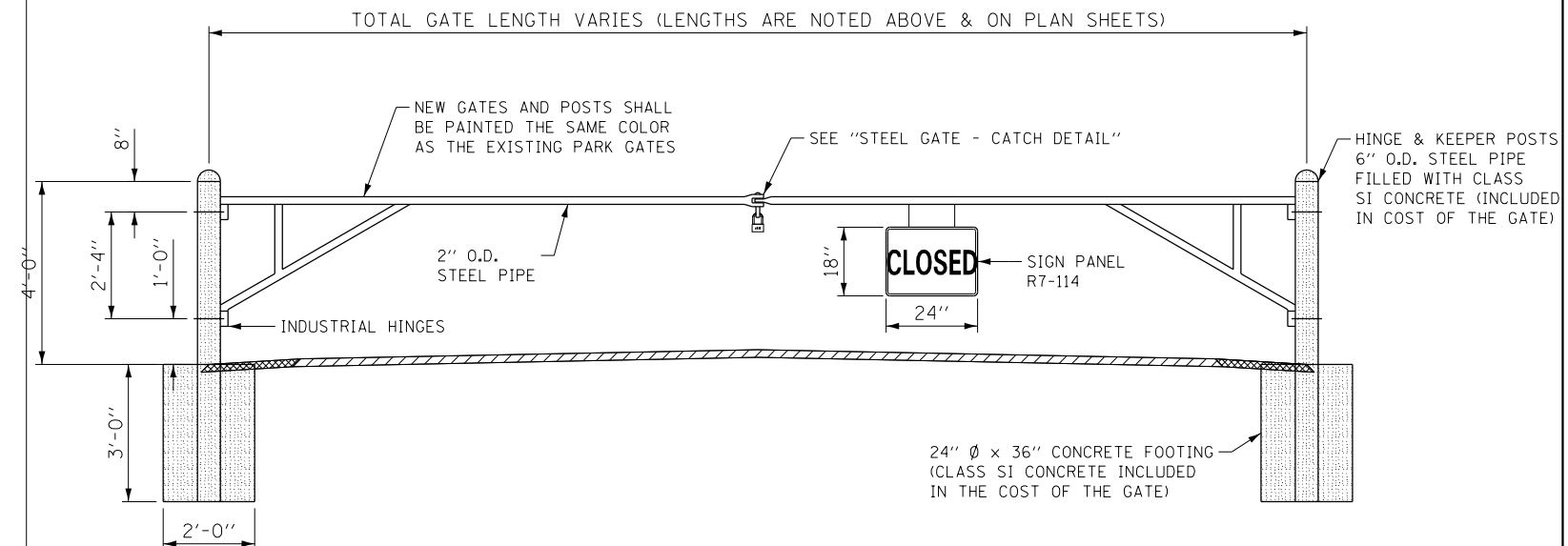
F.A. RTÉ.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	LAKE LE-AQUA-NA 2018	STEPHENSON	308	163
			CONTRACT NO. 46906	
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		

JOB NO. 250-141-J VASCONCELLES ENGINEERING CORP. DESIGN FIRM REGISTRATION NUMBER 184-002107



X0323013 TUBULAR STEEL GATE		
STATION	ROAD	GATE LENGTH
108+45.00	MAIN PARK ROAD	26'-0"
124+25.00	MAIN PARK ROAD	26'-0"
161+73.00	MAIN PARK ROAD	26'-0"
199+24.00	MAIN PARK ROAD	26'-0"
210+44.00	MAIN PARK ROAD	26'-0"
614+26.00	SERVICE DRIVE	24'-0"

RIPRAP BASIN SIZING									
STATION	PIPE SIZE	RIPRAP AREA (SQ. YD.)	POOL LENGTH (FEET)	APRON LENGTH (FEET)	DEPTH OF POOL (FEET)	HEIGHT ABOVE INVERT (FEET)	RIPRAP GRAD.	THICK. 1 (FEET)	THICK. 2 (FEET)
<b>MAIN ROAD</b>									
RT 107+99	15"	9	4	4	0.5	1.4	RR3	1.7	1.2
RT 131+60	18"	23	11	6	1.1	1.4	RR3	1.7	1.2
RT 132+50	36"	33	13	6	1.3	1.8	RR3	1.7	1.2
RT 141+45	24"	44	16	9	1.6	1.7	RR4	2.5	1.9
RT 146+85	42"	95	25	14	2.5	2.1	RR4	2.5	1.9
RT159+37	BOX	303	38	19	3.8	1.6	RR5	3.3	2.5
RT 173+35	BOX	122	27	14	2.7	1.0	RR4	2.5	1.9
RT 181+60	42"	29	10	10	1.0	2.2	RR3	1.7	1.2
RT 186+10	15"	6	4	1	0.0	1.5	RR3	1.7	1.2
RT 192+27	EQV 60"	332	29	55	2.9	3.1	RR5	3.3	2.5
RT 193+42	30"	65	8	23	0.5	2.6	RR4	2.5	1.9
RT 196+12	18"	14	6	5	0.6	1.6	RR3	1.7	1.2
LT309+47	18"	11	6	3	0.6	1.4	RR3	1.7	1.2
LT 501+89	EQV 66"	201	24	38	2.5	4.0	RR4	2.5	1.9
RT 501+42	18"	28	12	6	1.2	1.7	RR4	2.5	1.9



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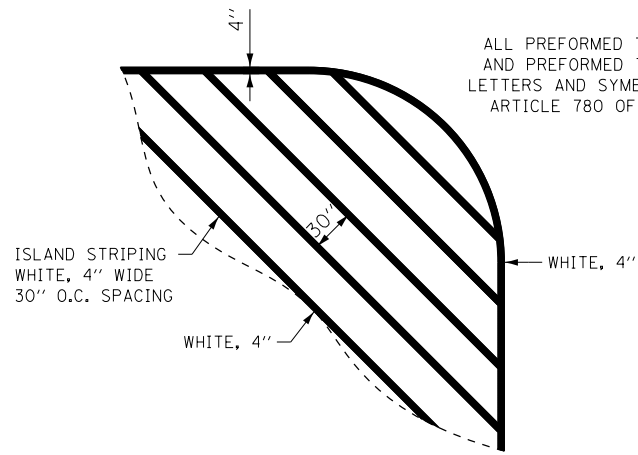
STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

DETAILS - SITE DETAILS  
LAKE LE-AQUA-NA STATE PARK

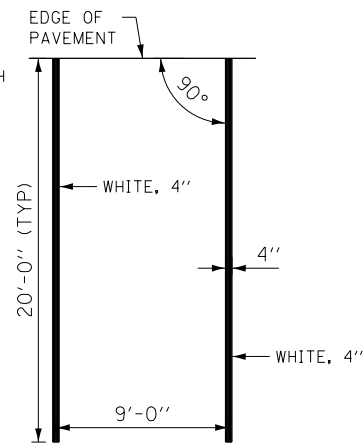
SCALE: SHEET 2 OF 3 SHEETS STA. TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	LAKE LE-AQUA-NA 2018	STEPHENSON	308	164
			CONTRACT NO. 46906	
ILLINOIS FED. AID PROJECT				

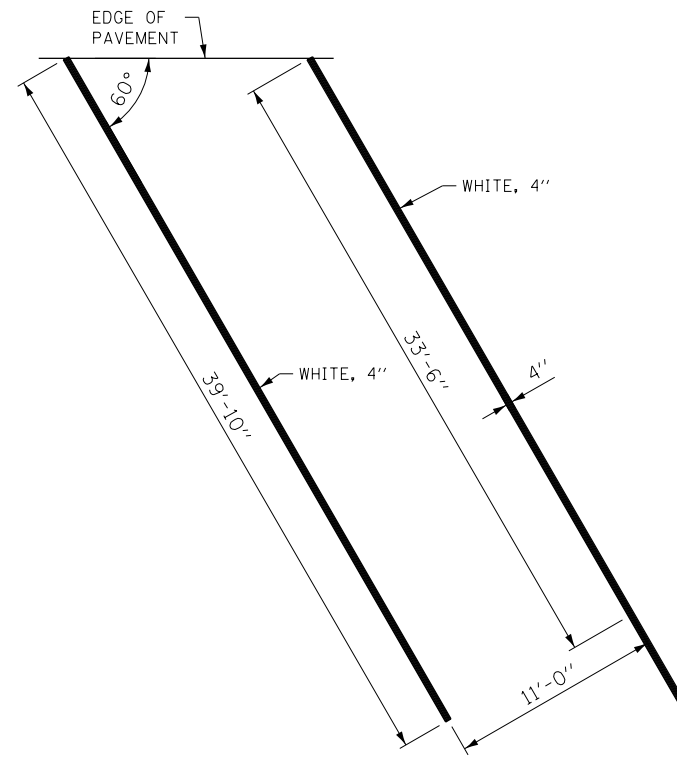
ALL PREFORMED THERMOPLASTIC PAVEMENT MARKING AND PREFORMED THERMOPLASTIC PAVEMENT MARKING LETTERS AND SYMBOLS SHALL BE IN ACCORDANCE WITH ARTICLE 780 OF THE "STANDARD SPECIFICATIONS"



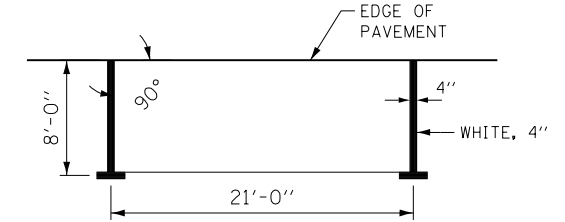
**ISLAND STRIPING 4", WHITE (30" O.C.)**  
NOT TO SCALE



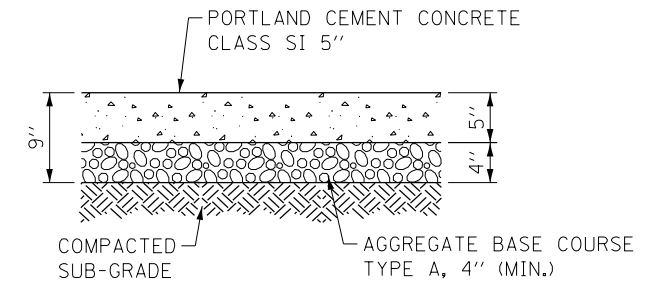
**90° PARKING STRIPING, WHITE (4")**  
NOT TO SCALE



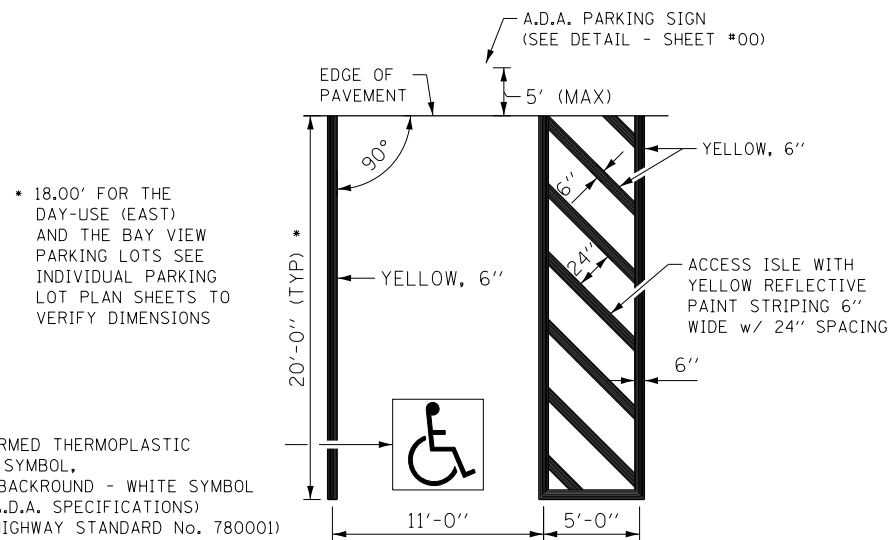
**60° PARKING STRIPING, WHITE (4")**  
(BOAT RAMP PARKING LOT)  
NOT TO SCALE



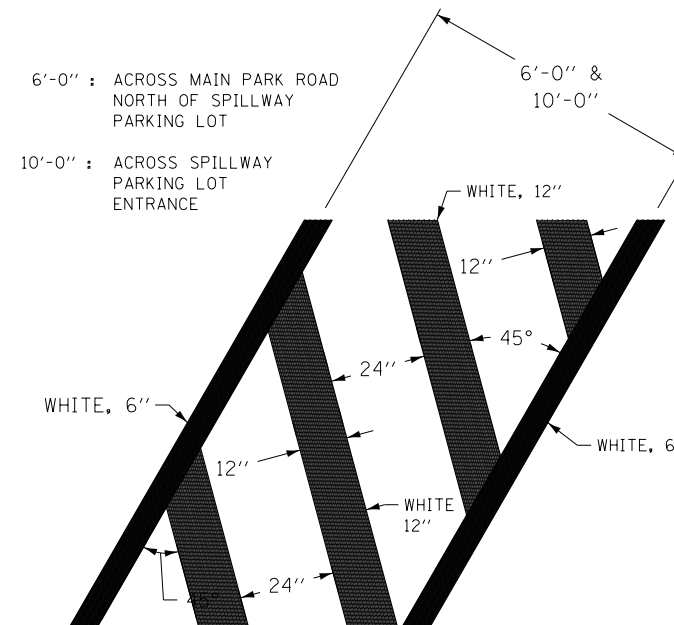
**PARALLEL PARKING STRIPING, WHITE (4")**  
NOT TO SCALE



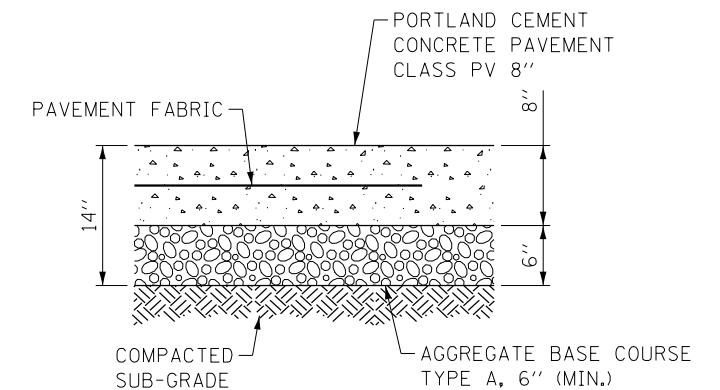
**PORTLAND CEMENT CONCRETE SIDEWALK, 5"**  
NOT TO SCALE



**90° VAN ACCESSIBLE A.D.A. PARKING STRIPING, YELLOW (6")**  
NOT TO SCALE



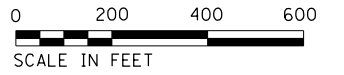
**STRIPED CROSSWALK**  
SPILLWAY PARKING LOT  
NOT TO SCALE



**8" CONCRETE DUMPSTER PAD**  
NOT TO SCALE

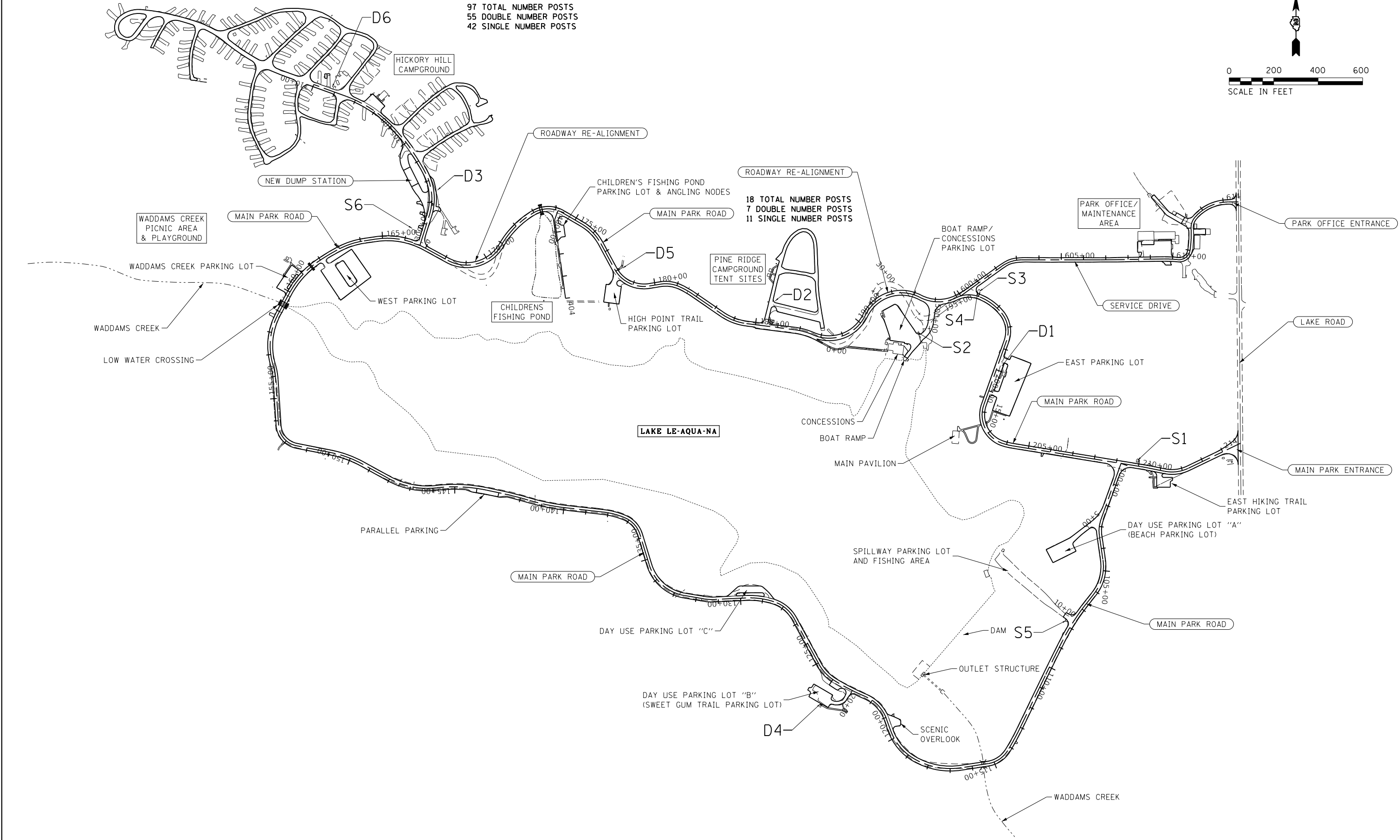
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	PLOT DATE = 9/3/2019	CHECKED - R.H.D.	REVISED -						CONTRACT NO. 46906			
		DATE - 8/28/19	REVISED -						ILLINOIS FED. AID PROJECT			





97 TOTAL NUMBER POSTS  
55 DOUBLE NUMBER POSTS  
42 SINGLE NUMBER POSTS

18 TOTAL NUMBER POSTS  
7 DOUBLE NUMBER POSTS  
11 SINGLE NUMBER POSTS



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	PLOT DATE = 9/23/2019		

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**SIGN LAYOUT  
LAKE LE-AQUA-NA STATE PARK**

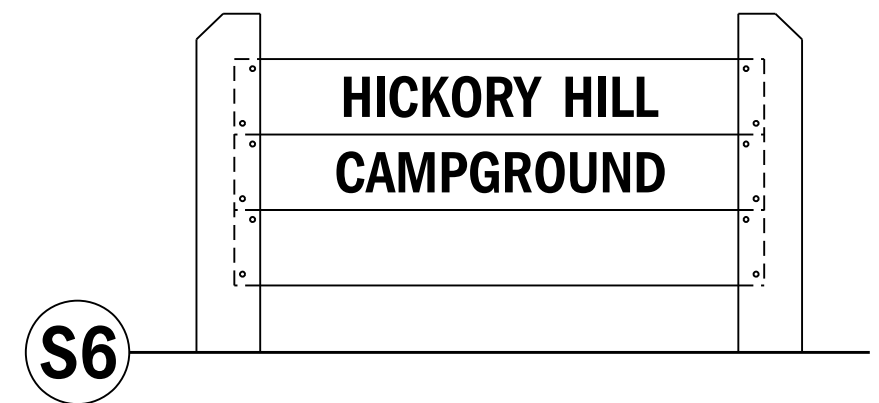
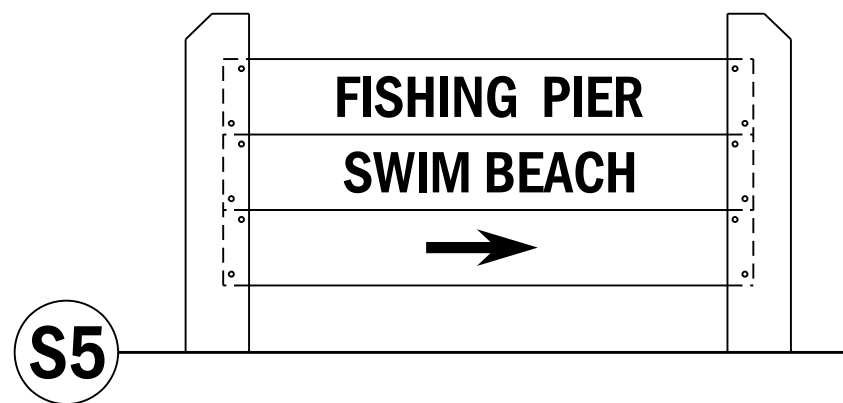
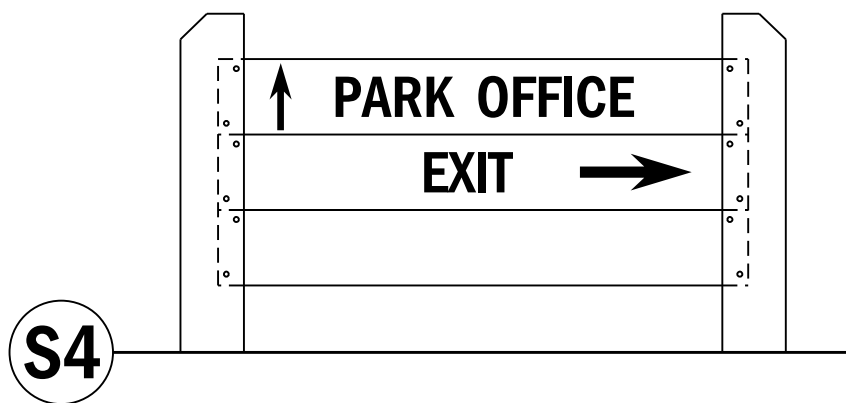
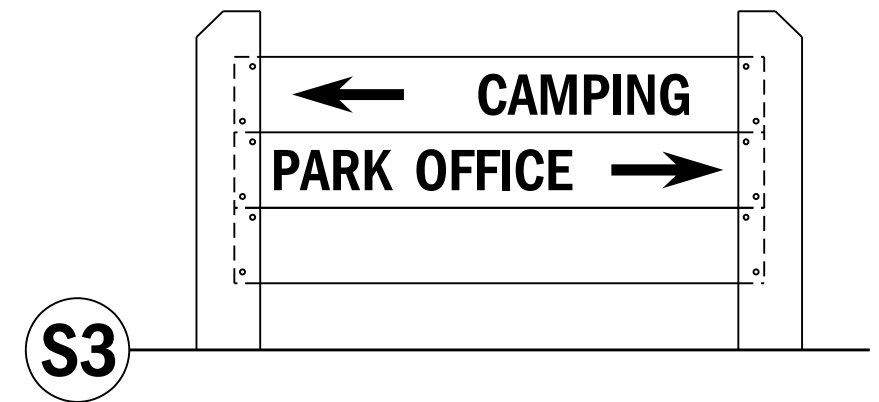
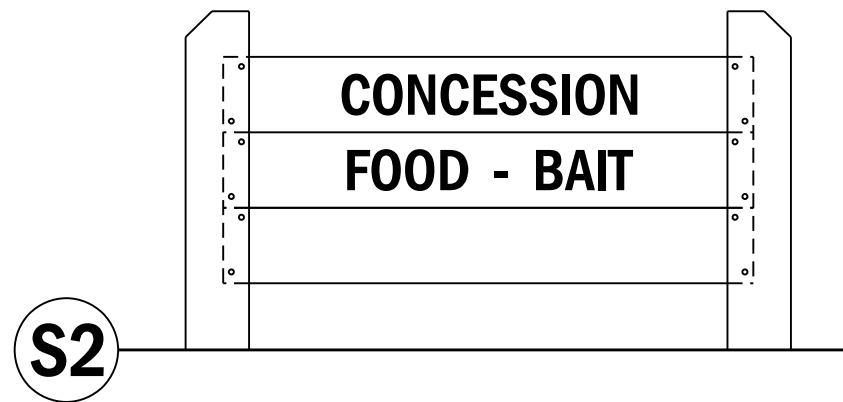
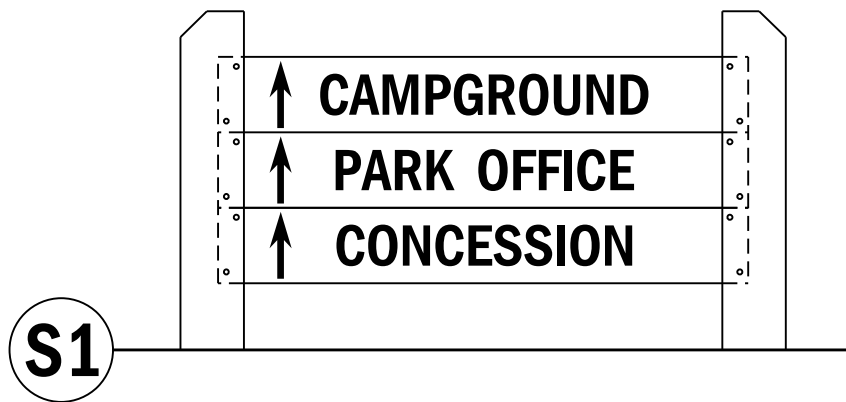
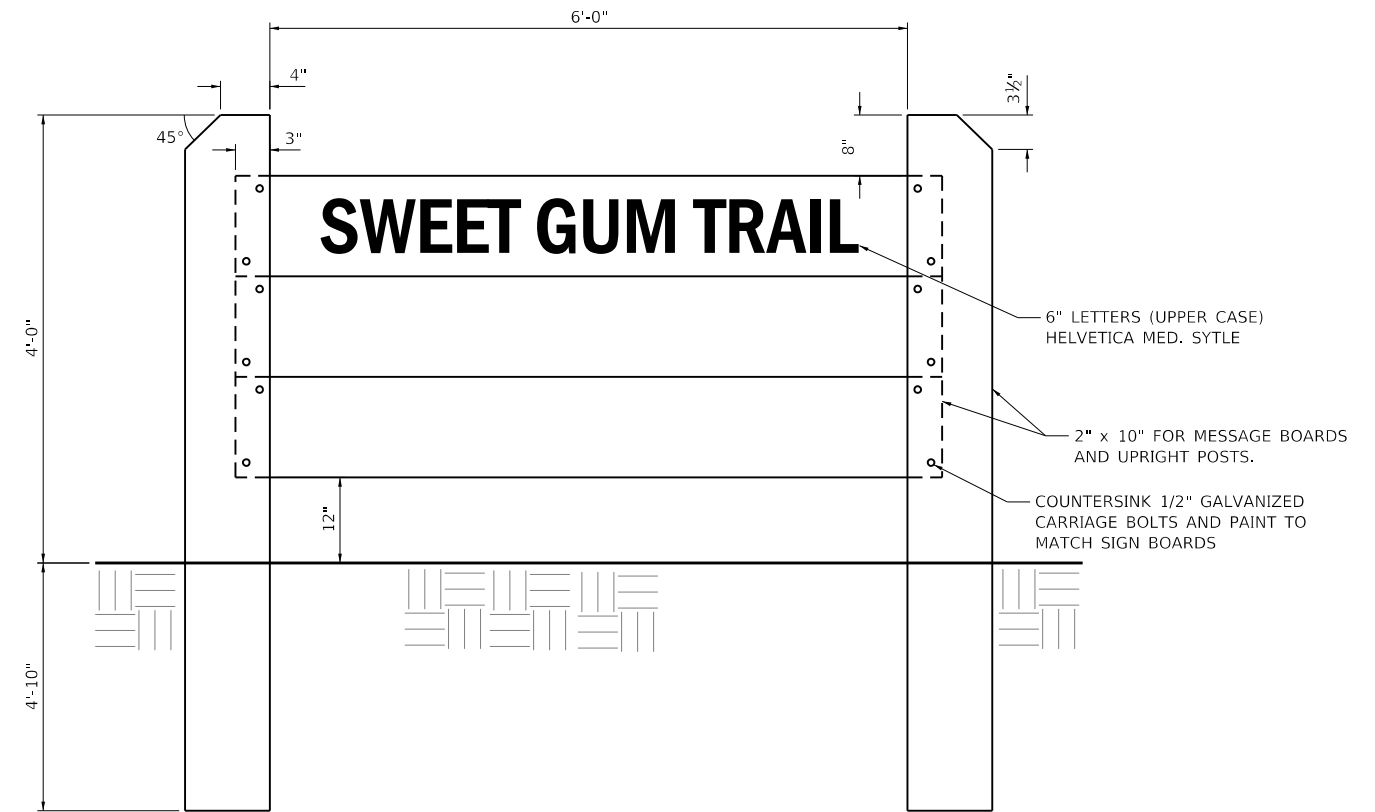
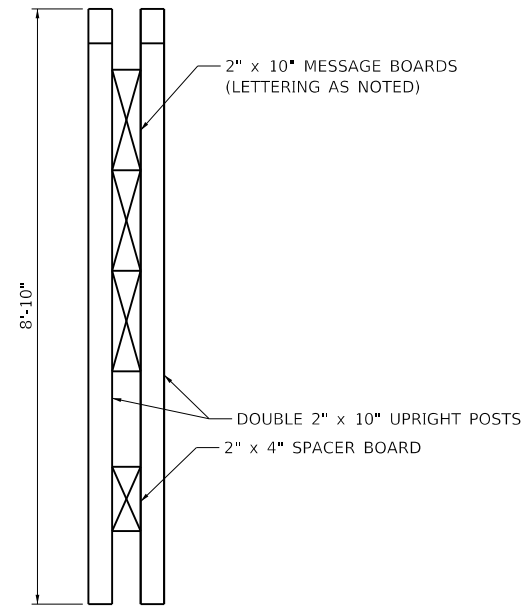
SCALE: 1" = 200' SHEET 1 OF 4 SHEETS STA. 100+00.00 TO STA. 214+83.06

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	LAKE LE-AQUA-NA 2018	STEPHENSON	308	166
			CONTRACT NO. 46906	
ILLINOIS FED. AID PROJECT				



**GENERAL NOTES**

1. ALL LUMBER IS FIBERGLASS REINFORCED RECYCLED PLASTIC, BROWN IN COLOR. SUBMIT SAMPLES TO IDNR LANDSCAPE ARCHITECT FOR COLOR SELECTION PRIOR TO FABRICATION
2. ALL LETTERING IS TO BE HELVETICA MEDIUM WITH UPPER CASE LETTERS. LETTERS ARE TO BE ENGRAVED WITH A COMPUTER OR TEMPLATE DRIVER ROUTER SYSTEM.



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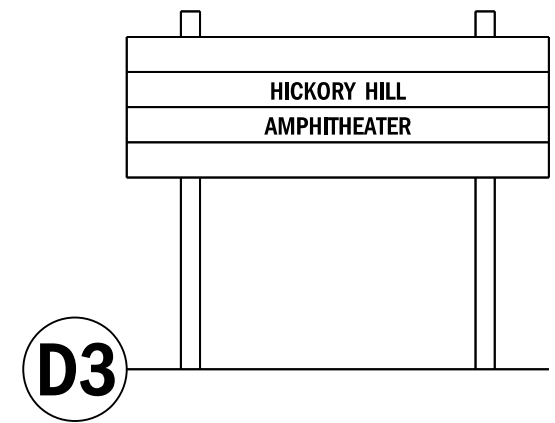
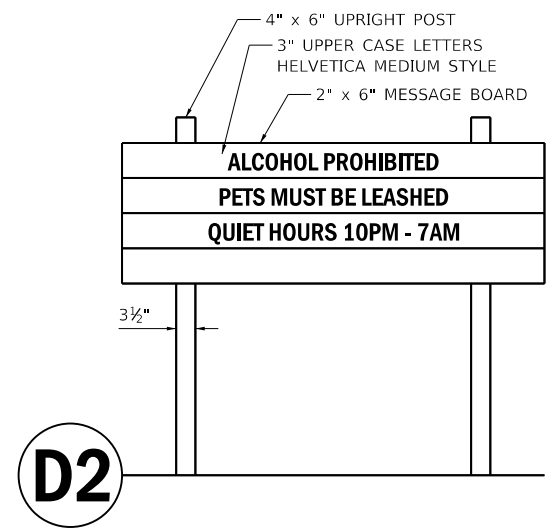
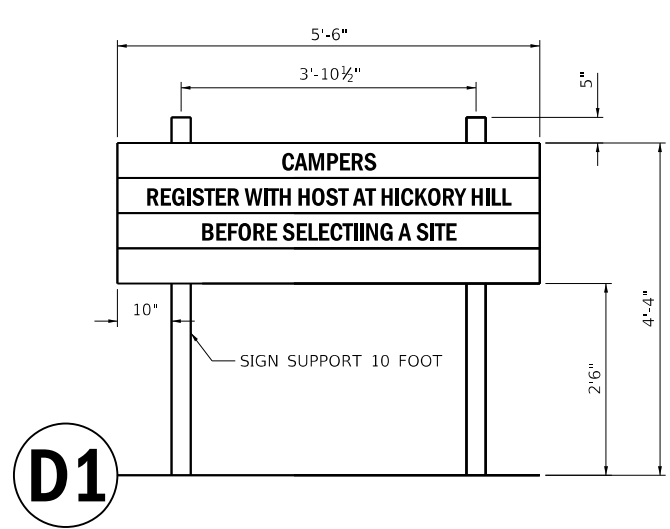
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STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

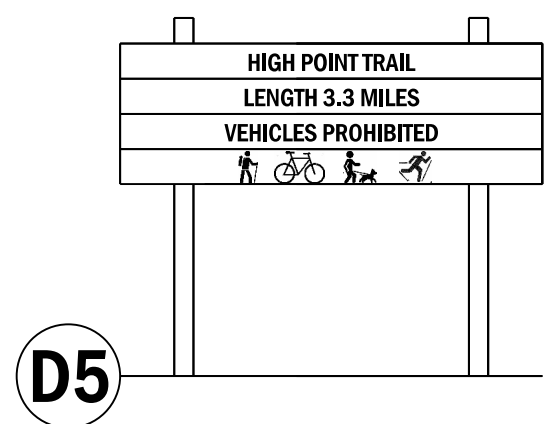
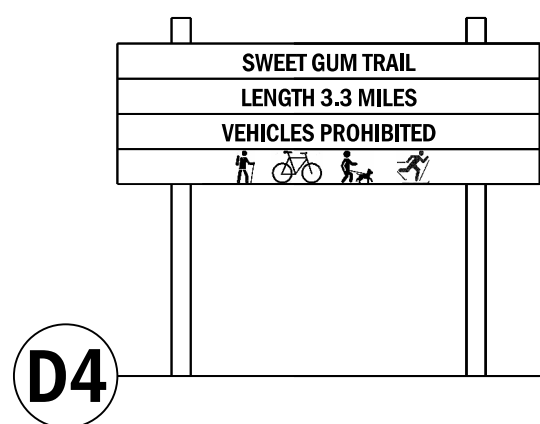
SIGN DETAILS  
LAKE LE-AQUA-NA STATE PARK

SCALE: NTS SHEET 2 OF 4 SHEETS STA. TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	LAKE LE-AQUA-NA 2018	STEPHENSON	308	167
			CONTRACT NO. 46906	
ILLINOIS FED. AID PROJECT				

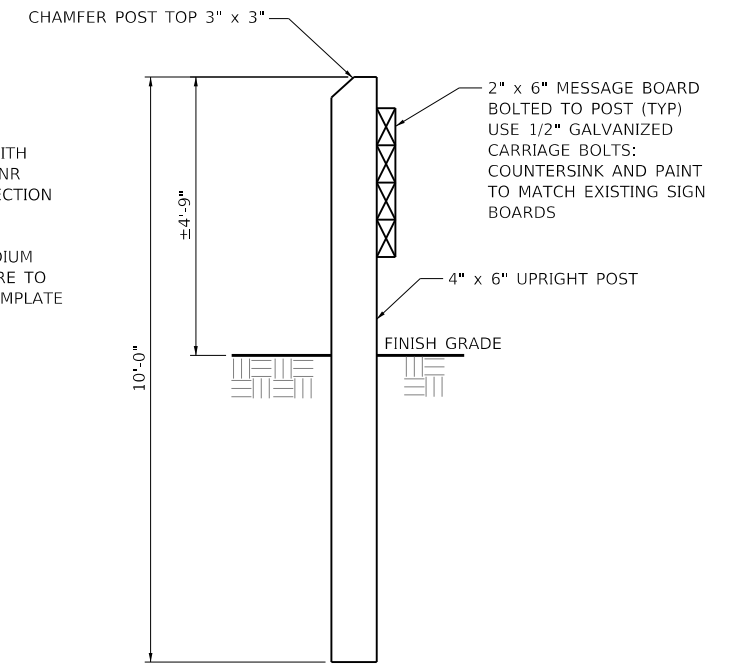


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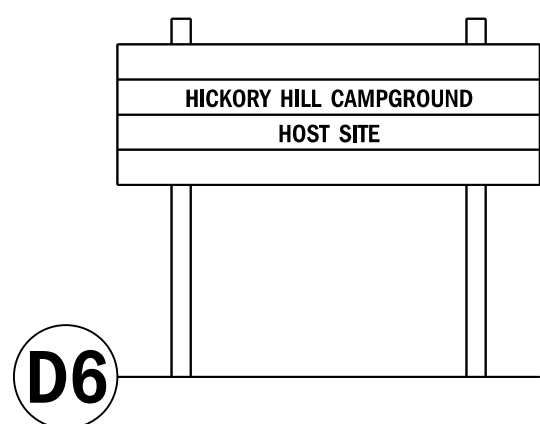


GENERAL NOTES:

1. ALL LUMBER IS FIBERGLASS REINFORCED RECYCLED PLASTIC, BROWN IN COLOR WITH A WHITE CORE. SUBMIT SAMPLES TO IDNR LANDSCAPE ARCHITECT FOR COLOR SELECTION PRIOR TO FABRICATION
2. ALL LETTERING IS TO BE HELVETICA MEDIUM WITH UPPER CASE LETTERS. LETTERS ARE TO BE ENGRAVED WITH A COMPUTER OR TEMPLATE DRIVER ROUTER SYSTEM.
3. SIGNS SHOULD FACE THE ONCOMING TRAFFIC IN THE LANE CLOSEST TO THE SIGN.



SIDE VIEW



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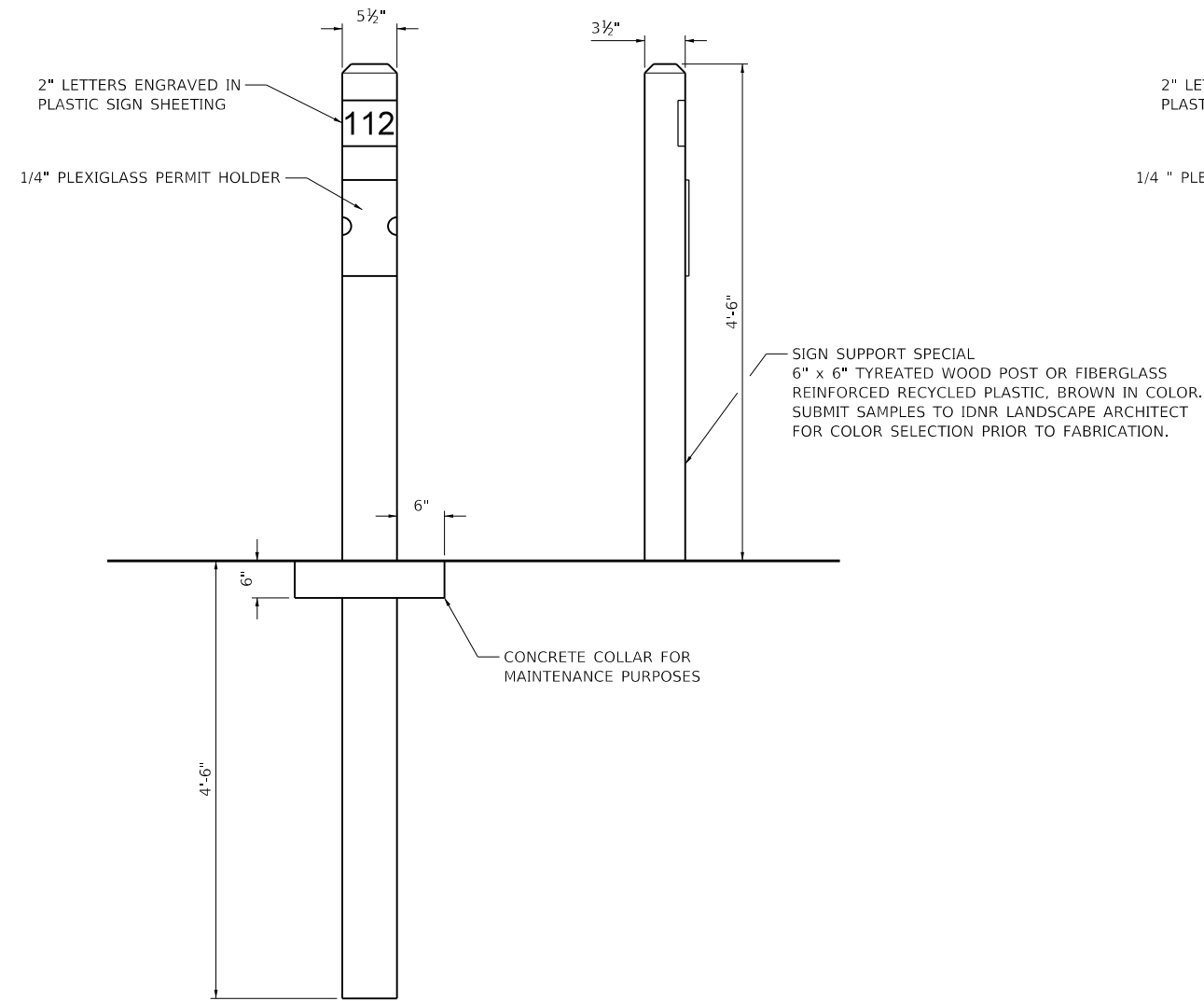
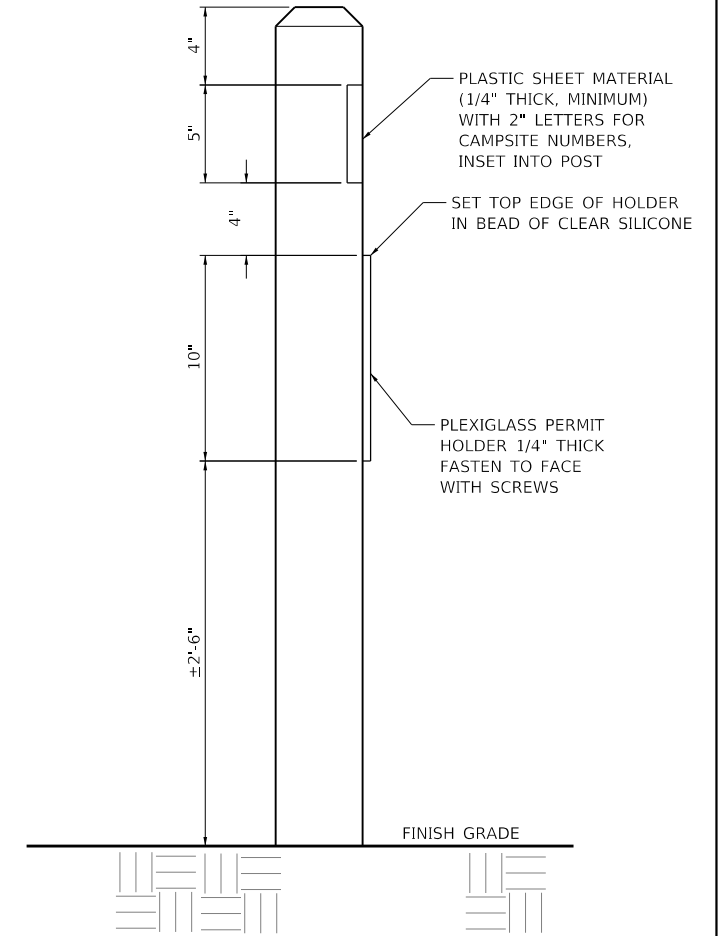
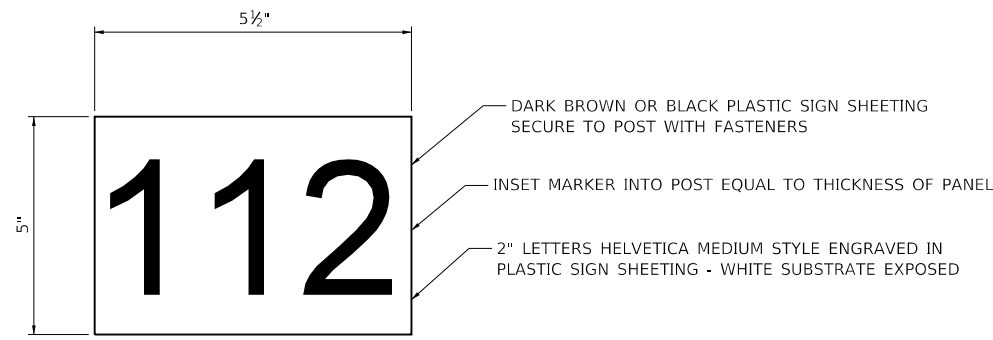
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STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

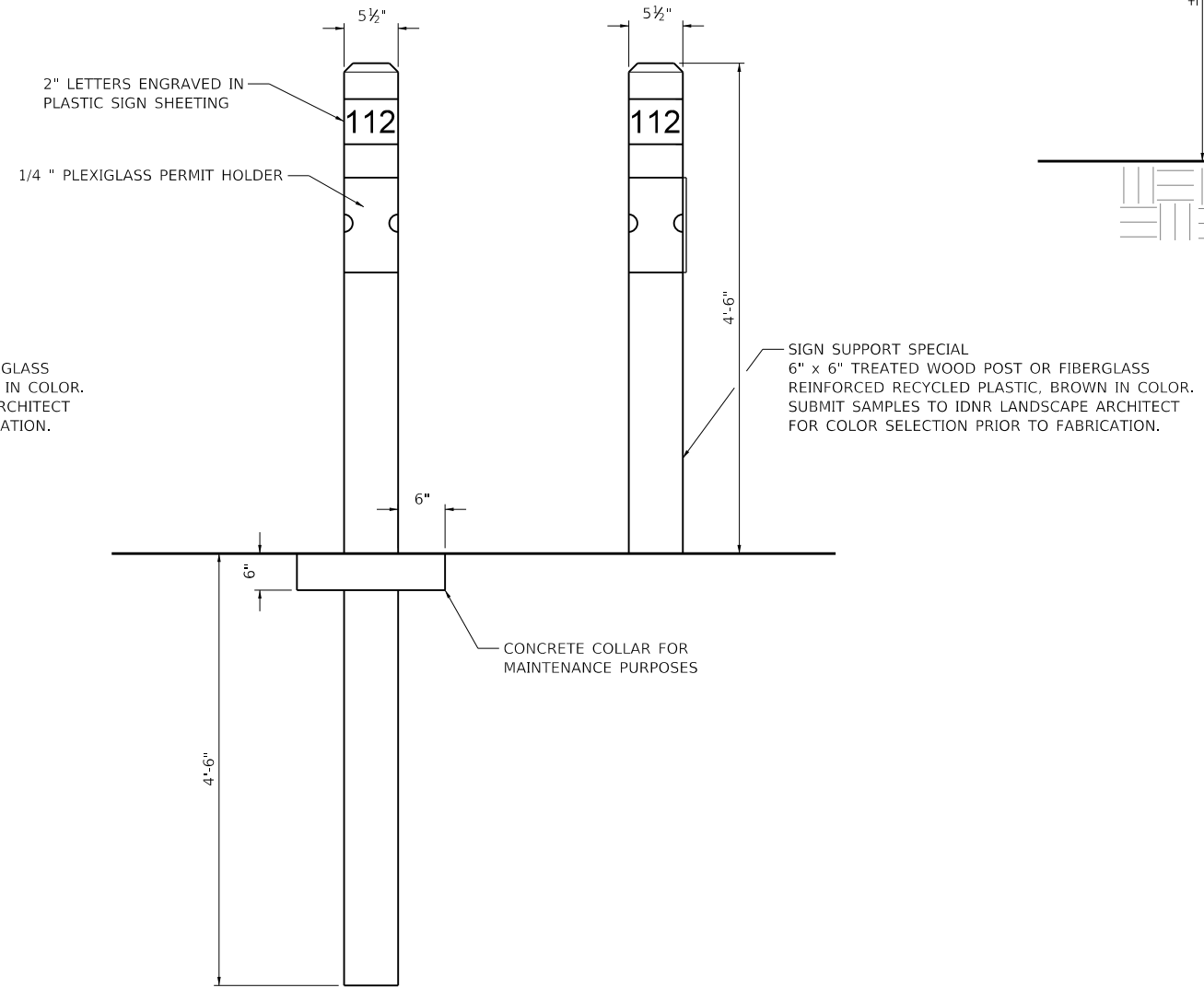
SIGN DETAILS  
LAKE LE-AQUA-NA STATE PARK

SCALE: NTS SHEET 3 OF 4 SHEETS STA. TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	LAKE LE-AQUA-NA 2018	STEPHENSON	308	168
			CONTRACT NO. 46906	
		ILLINOIS	FED. AID PROJECT	



SINGLE NUMBER POST



DOUBLE NUMBER POST

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PLOT DATE = 9/23/2019	CHECKED - R.H.D.	REVISED -
	DATE - 8/28/19	REVISED -

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

SIGN DETAILS  
LAKE LE-AQUA-NA STATE PARK

SCALE: NTS SHEET 4 OF 4 SHEETS STA. TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	LAKE LE-AQUA-NA 2018	STEPHENSON	308	169
			CONTRACT NO. 46906	
			ILLINOIS FED. AID PROJECT	



Benchmark: Mag Nail in pavement  
60.95' Lt. Sta. 159+99.29 Elev. 862.84

Existing Structure: 3-18 in. diameter corrugated metal pipe culverts.

Salvage: None.

**INDEX OF SHEETS**

1. General Plan & Elevation
2. Top Slab Reinforcement Plan
3. Bottom Slab Reinforcement Plan
- 4.-5. Culvert Details
6. Borings

**TOTAL BILL OF MATERIAL**

ITEM	UNIT	TOTAL
Concrete Box Culverts	Cu. Yd.	62.9
Reinforcement Bars, Epoxy Coated	Lb.	9480
Name Plates	Each	1
Granular Culvert Backfill	Cu. Yd.	34
Rockfill - Foundation	Ton	62
Removal and Disposal of Unsuitable Material for Structures	Cu. Yd.	41

**DESIGN SPECIFICATIONS**

2017 AASHTO LRFD Bridge Design Specifications, 8th Edition.

**DESIGN STRESSES**

**FIELD UNITS**

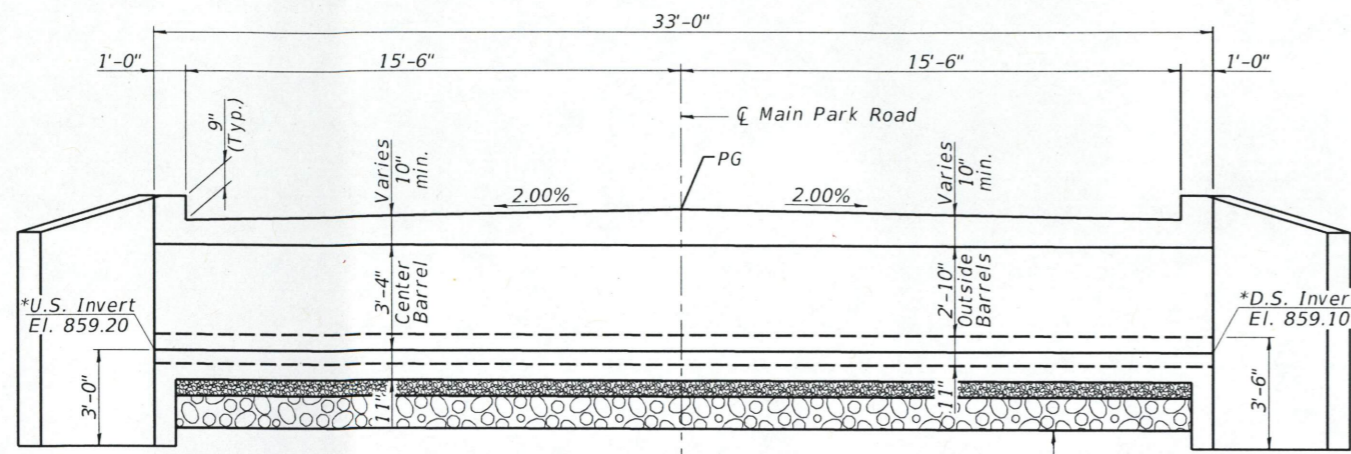
$f'_c = 3,500$  psi  
 $f_y = 60,000$  psi (Reinforcement)

**LOADING HL 93**

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

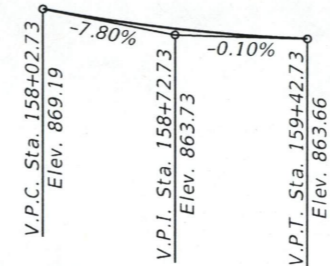
**GENERAL NOTES**

1. See Roadway Plans for riprap layout and quantities.
2. Exposed edges shall have a  $\frac{3}{4}$ " chamfer.
3. At least 8 ft. of barrel shall be poured monolithically with the wingwalls.
4. Precast alternative is not allowed.
5. Reinforcement bars designated (E) shall be epoxy coated.

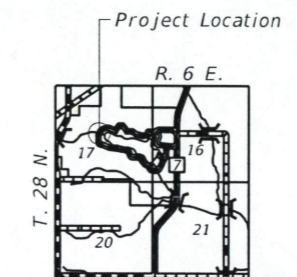


**LONGITUDINAL SECTION**  
(Looking North)

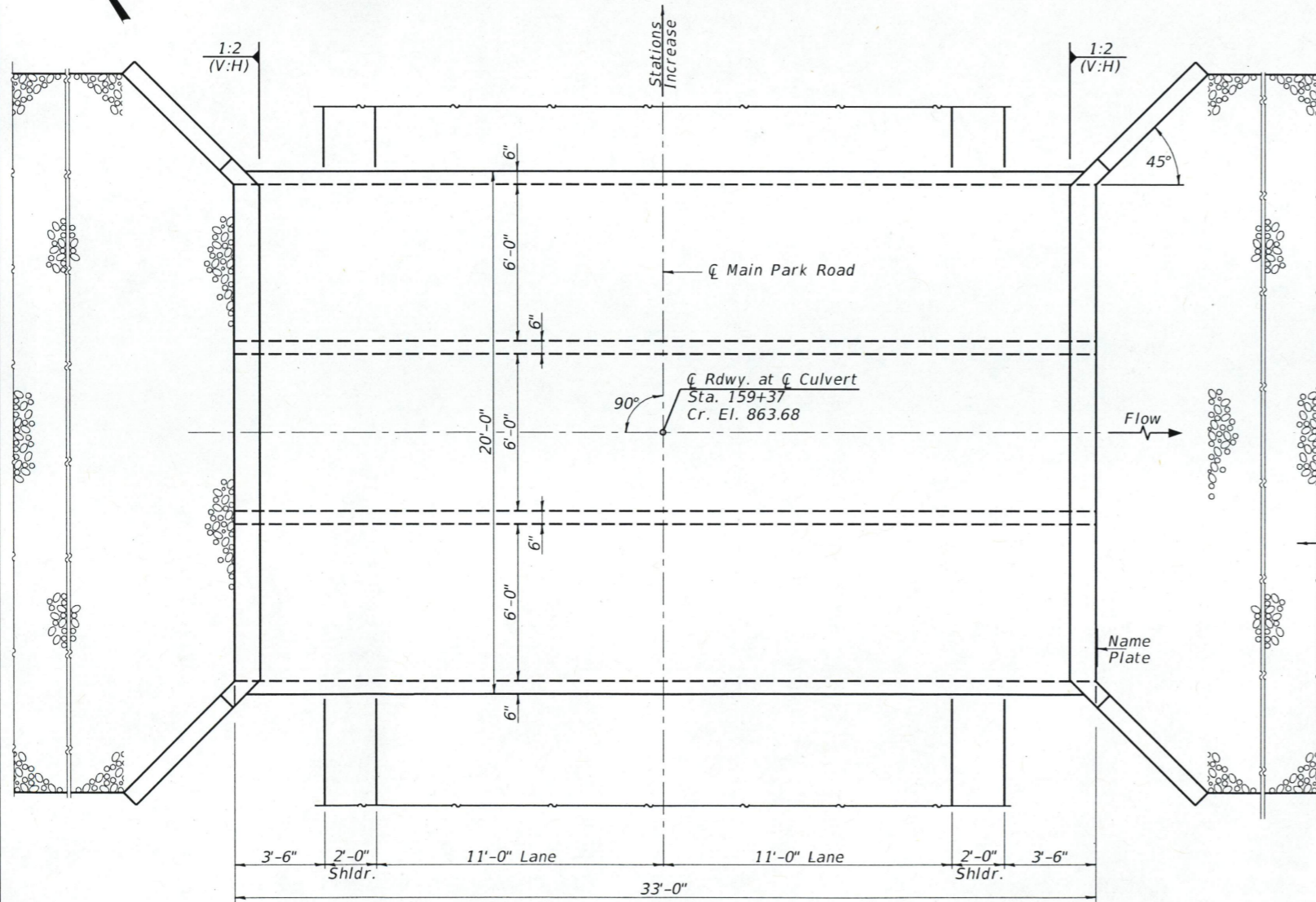
\* Invert elevations shown are at center barrel



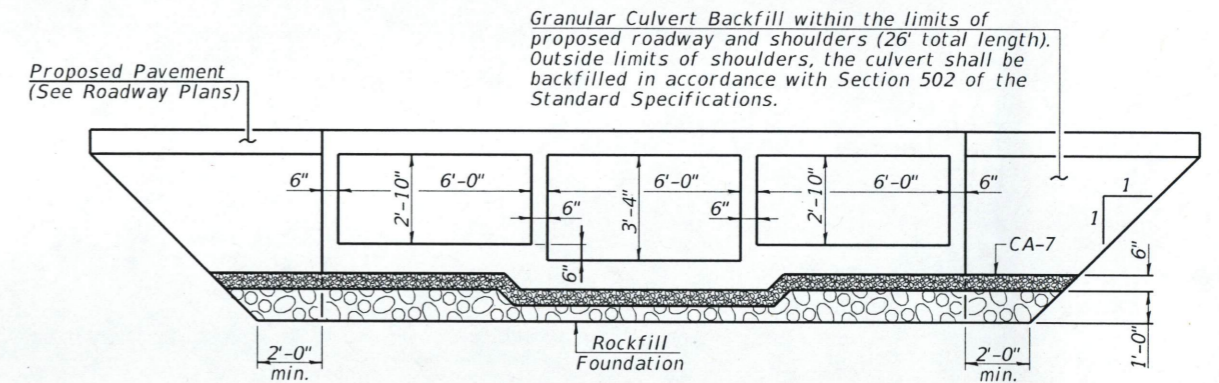
**PROFILE GRADE**  
(Along Center Line Main Park Road)



**LOCATION PLAN**



**PLAN**



**SECTION THRU BARREL**

Note: The limits and quantities of removal and replacement shown may be modified by the Field Engineer for variable subsurface conditions encountered in the field.

See Roadway Plans for riprap layout, size and quantity.



*Mark Henderson* 9/3/19  
Exp. Date: 11/30/2020

WADDAMS CREEK  
BUILT 20 By  
STATE OF ILLINOIS  
SECTION LAKE LE-AQUA-NA 2018  
STATION 159+37  
STR. NO. 089-9916  
LOADING HL-93

**NAME PLATE**  
See Std. 515001

**GENERAL PLAN & ELEVATION**  
**MAIN PARK ROAD OVER**  
**WADDAMS CREEK**  
**SECTION LAKE LE-AQUA-NA 2018**  
**STEPHENSON COUNTY**  
**STATION 159+37**  
**STRUCTURE NO. 089-9916**

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FILE NAME: SFLELS



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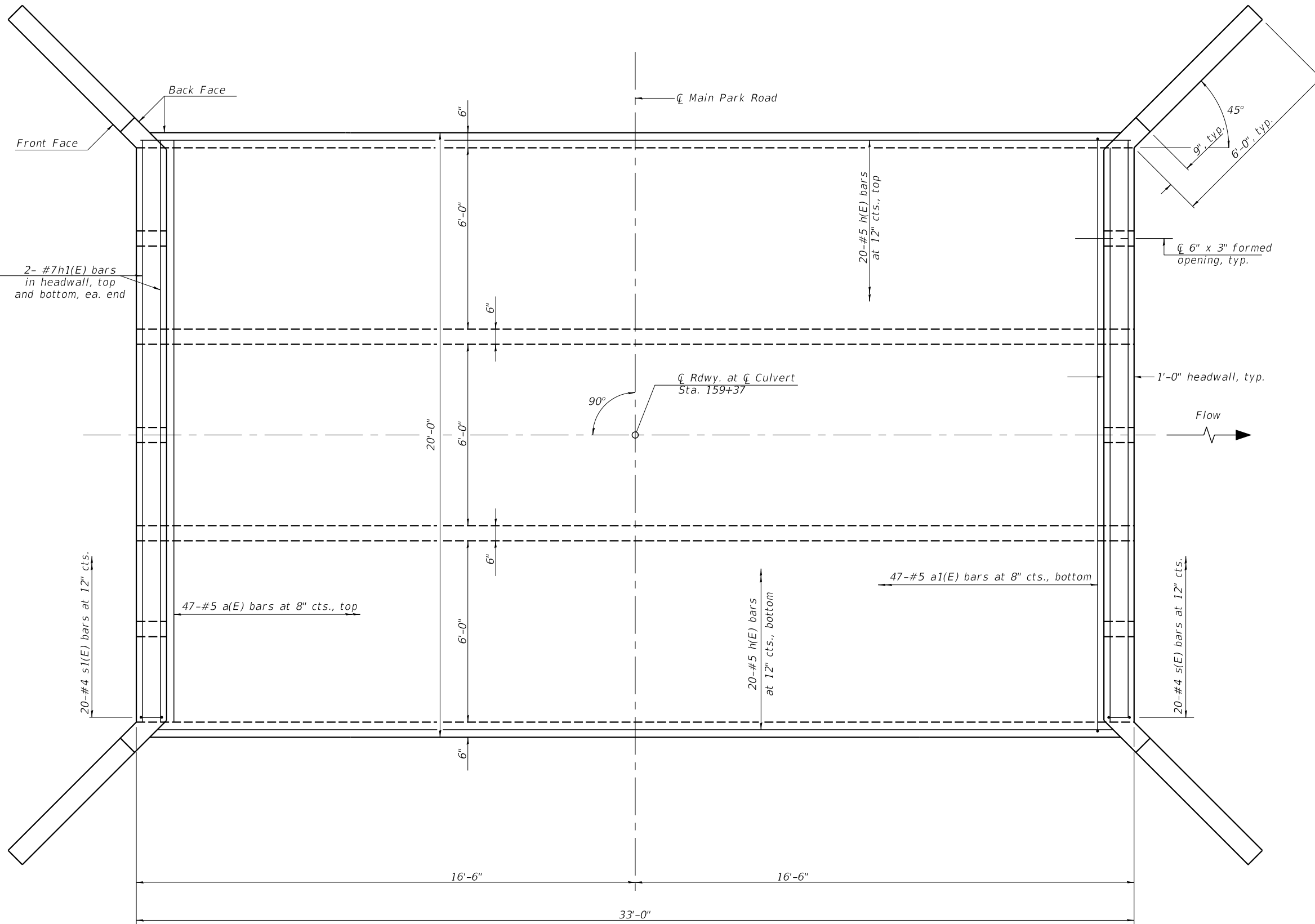
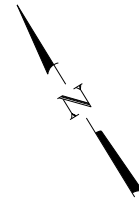
**STATE OF ILLINOIS**  
**DEPARTMENT OF TRANSPORTATION**

**GENERAL PLAN & ELEVATION - STA. 159+37**

SHEET 1 OF 6 SHEETS

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	LAKE LE-AQUA-NA 2018	STEPHENSON	308	170
CONTRACT NO. 46906				
ILLINOIS FED. AID PROJECT				





**PLAN**  
(Top Slab)

MODEL: SMODELNAMES  
FILE NAME: SFILES



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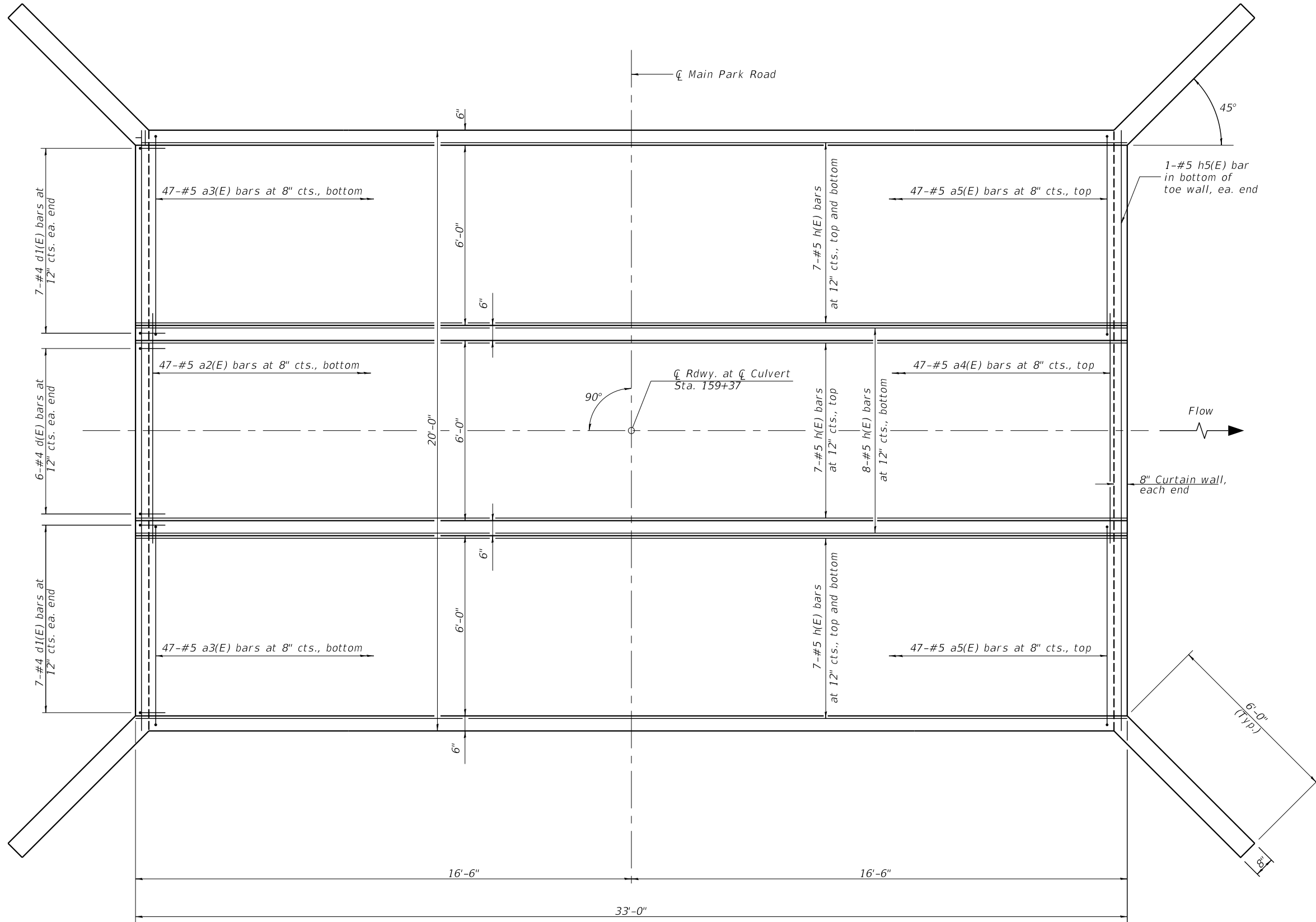
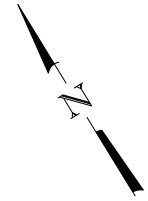
**STATE OF ILLINOIS**  
**DEPARTMENT OF TRANSPORTATION**

**TOP SLAB REINFORCEMENT PLAN - STA. 159+37**

SHEET 2 OF 6 SHEETS

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	LAKE LE-AQUA-NA 2018	STEPHENSON	308	171
CONTRACT NO. 46906				
ILLINOIS FED. AID PROJECT				

SDATES \$TIMES



PLAN  
(Bottom Slab)

MODEL: SMODELNAMES  
FILE NAME: SFILES



USER NAME =	DESIGNED -	REVISED -
CHECKED -	REVISED -	REVISED -
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PLOT DATE =	CHECKED -	REVISED -

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

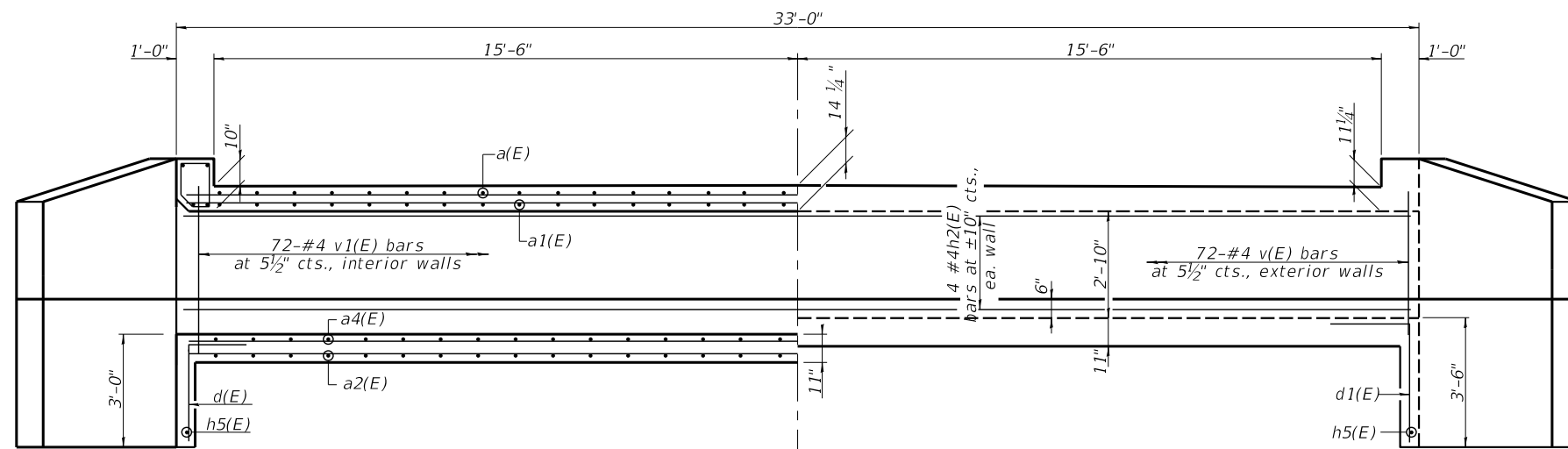
BOTTOM SLAB REINFORCEMENT PLAN - STA. 159+37

SHEET 3 OF 6 SHEETS

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	LAKE LE-AQUA-NA 2018	STEPHENSON	308	172
CONTRACT NO. 46906				
ILLINOIS FED. AID PROJECT				

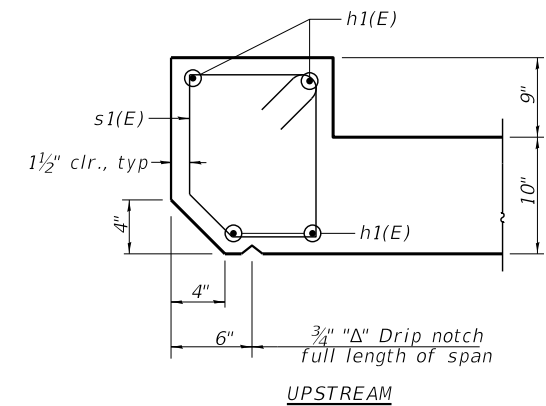
SDATES \$TIMES



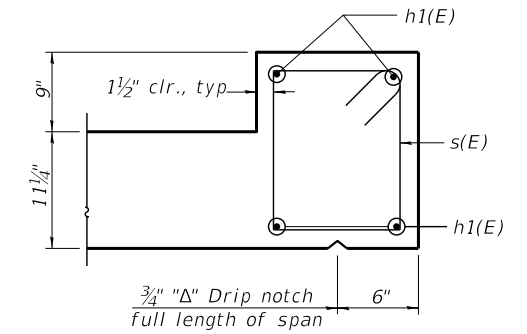


**HALF LONG SECTION**  
(Thru Center Barrel - Looking North)

**HALF ELEVATION**  
(Thru Outside Barrels - Looking North)

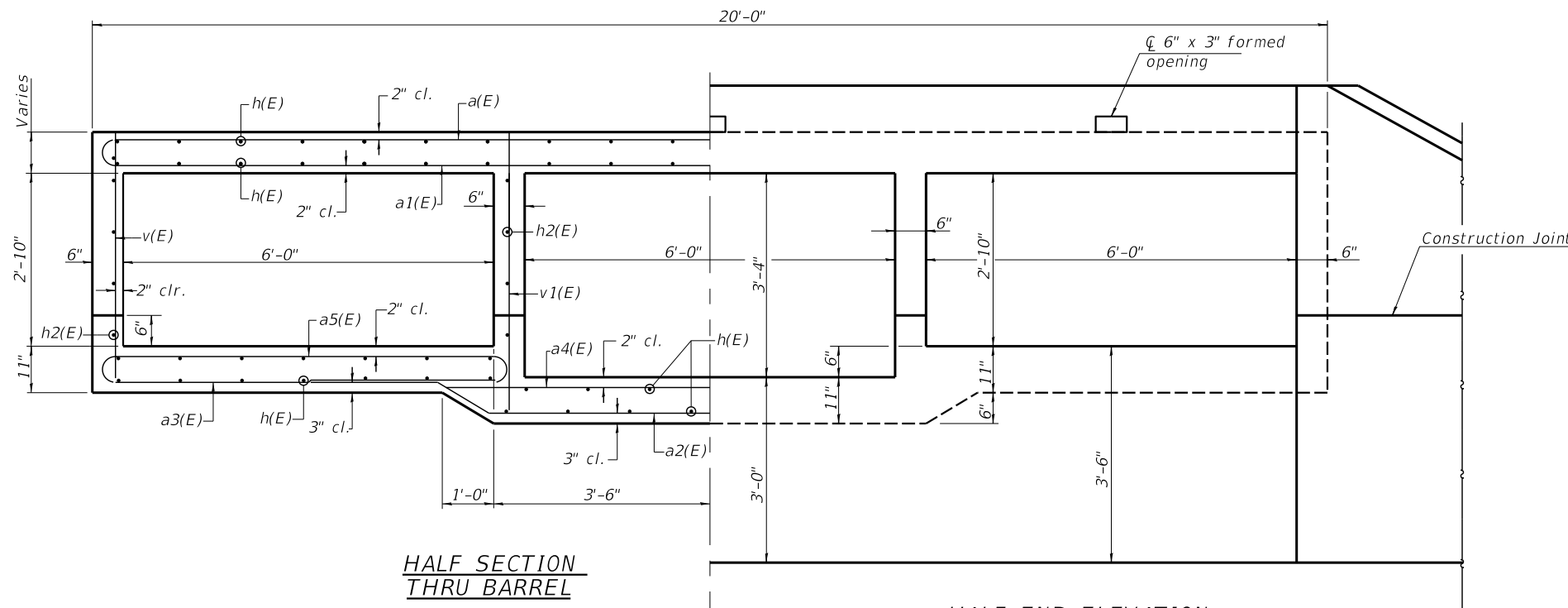


**UPSTREAM**



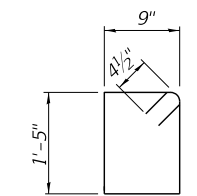
**DOWNSTREAM**

**SECTION THRU HEADWALL**

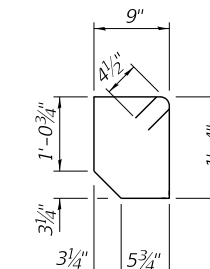


**HALF SECTION THRU BARREL**

**HALF END ELEVATION**



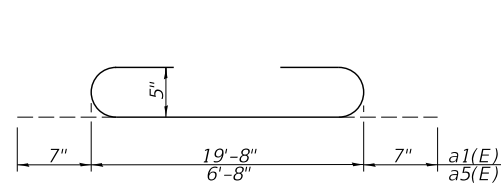
**BAR S(E)**



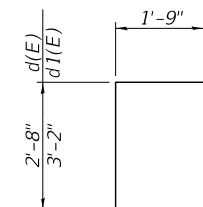
**BAR S1(E)**

**BILL OF MATERIAL**

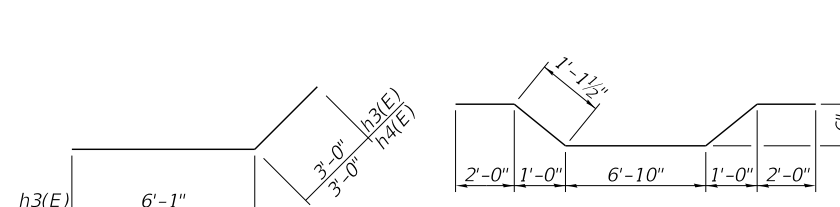
Bar	No.	Size	Length	Shape
a(E)	47	#5	19'-8"	—
a1(E)	47	#5	20'-10"	⌋
a2(E)	47	#5	13'-1"	—
a3(E)	94	#5	6'-8"	—
a4(E)	47	#5	8'-0"	—
a5(E)	94	#5	7'-10"	⌋
d(E)	12	#4	4'-5"	└
d1(E)	28	#4	4'-11"	└
h(E)	83	#5	32'-8"	—
h1(E)	8	#7	19'-0"	—
h2(E)	16	#4	32'-8"	—
h3(E)	36	#4	9'-1"	—
h4(E)	20	#4	6'-0"	—
h5(E)	2	#4	19'-6"	—
s(E)	20	#4	5'-1"	⌋
s1(E)	20	#4	4'-9"	⌋
v(E)	144	#4	4'-4"	—
v1(E)	144	#4	4'-10"	—
v2(E)	16	#4	7'-8"	—
Concrete Box Culverts			Cu. Yd.	62.9
Reinforcement Bars, Epoxy Coated			Pound	9480



**BAR S a1(E) & a5(E)**

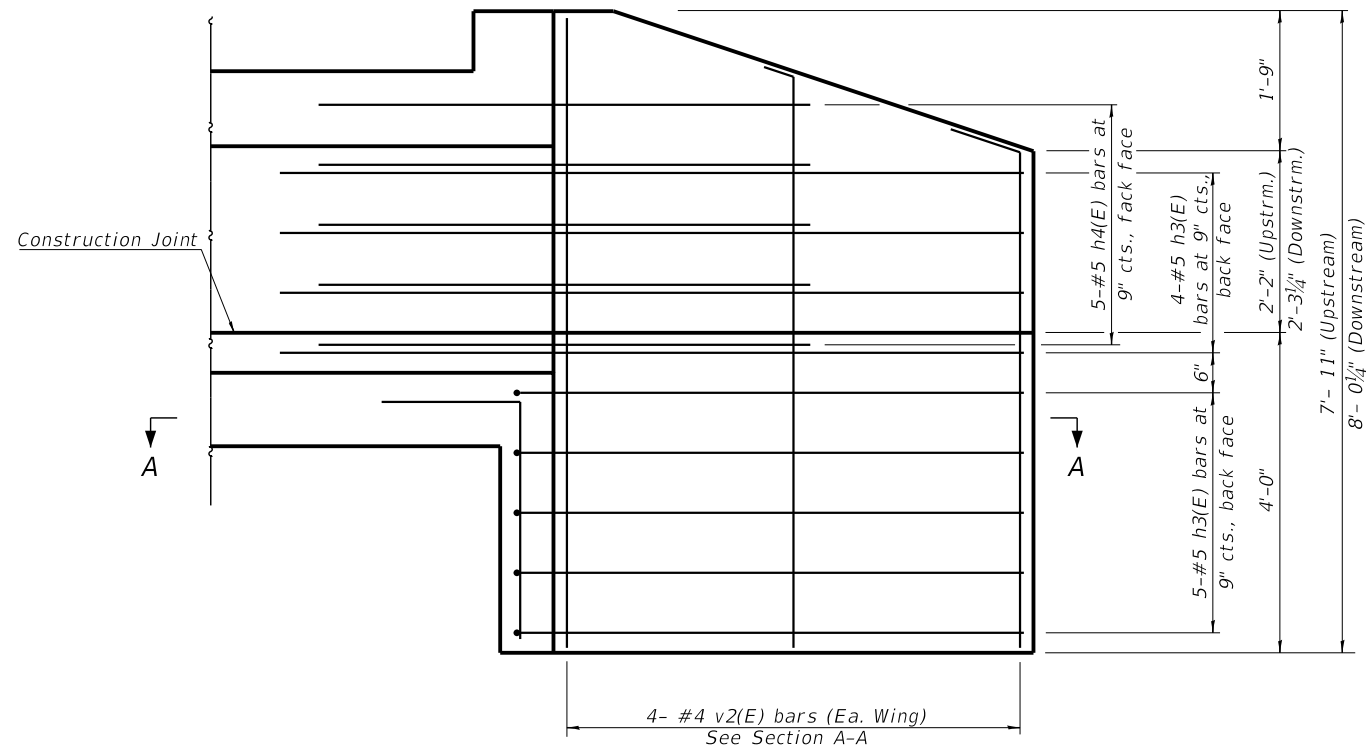


**BAR S d(E) & d1(E)**

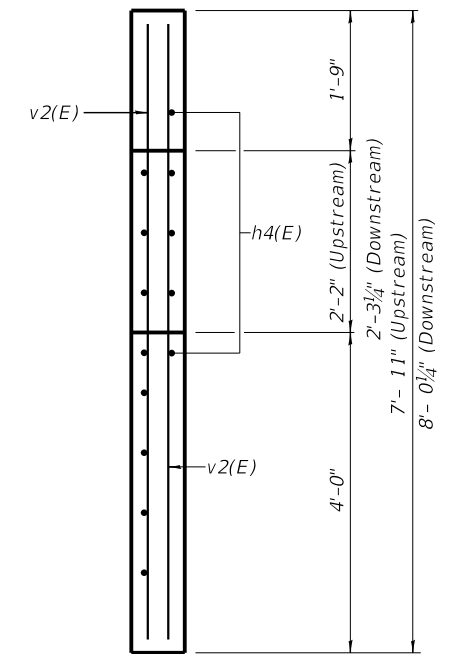


**BAR S h3(E) & h4(E)**

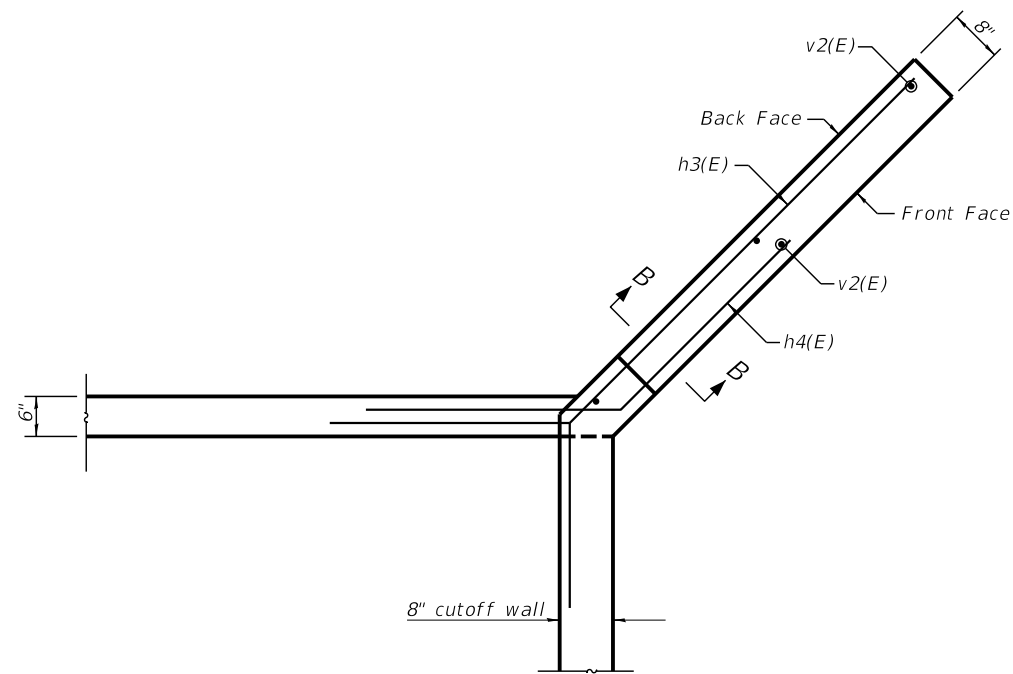
**BAR S a2(E)**



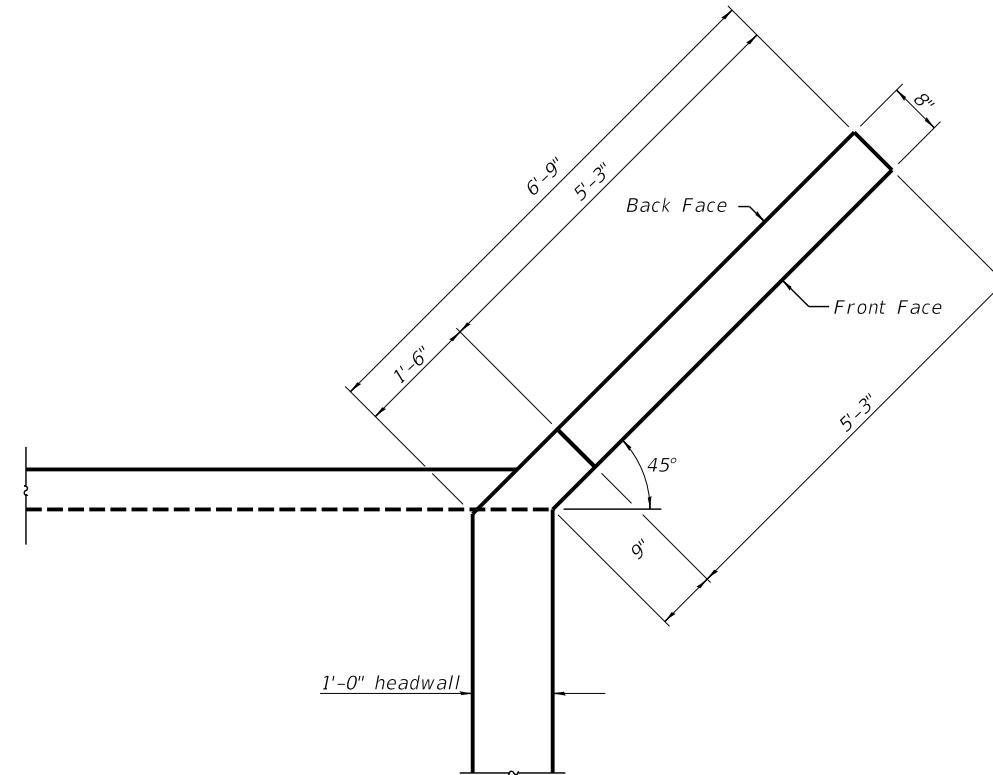
WINGWALL ELEVATION



SECTION B-B



SECTION A-A  
(Showing Reinforcement)



CORNER DETAIL

MODEL: SMODELNAMES  
FILE NAME: SFILES



USER NAME =	DESIGNED -	REVISED -
CHECKED -	CHECKED -	REVISED -
PLOT SCALE =	DRAWN -	REVISED -
PLOT DATE =	CHECKED -	REVISED -

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

CULVERT DETAILS - STA. 159+37

SHEET 5 OF 6 SHEETS

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	LAKE LE-AQUA-NA 2018	STEPHENSON	308	174
CONTRACT NO. 46906				

ILLINOIS FED. AID PROJECT

SDATES \$TIMES



# SOIL BORING LOG

ROUTE Park Improvements DESCRIPTION West Culvert in Lake Le-Aqua-Na State Park LOGGED BY N. White  
 SECTION Lake Le-Aqua-Na 2018 LOCATION West Point Township - NW 17, SEC. TWP. 28N, RNG. 5-6E  
 COUNTY Stephenson DRILLING METHOD Hollow Stem Auger HAMMER TYPE CME-45

STRUCT. NO. Low Water Crossing Latitude 42° 25' 23.58" Northing 2,096,917.0363  
 Station 159+37 Longitude -89° 50' 24.15" Easting 2,384,770.4359

DEPTH H S	B L O W S	U C S Qu	M O I S T	Surface Water Elev. ft	Stream Bed Elev. ft	Groundwater Elev.:	D E P T H	B L O W S	U C S Qu	M O I S T	Surface Water Elev. ft	Stream Bed Elev. ft	Groundwater Elev.:	D E P T H	B L O W S	U C S Qu	M O I S T
		0.5	30.0			VERY DENSE tan weathered LIMESTONE (continued)											
						End of Boring											
96.70	5																
95.20	5	1.5	17.0														
92.70	5	3.0	25.0														
90.20	18																
	25																
	28																
87.70	27																
	33																
	52																
84.70	6																
	14																
	14																
82.70	6	1.7	25.0														
	8																
	10																
79.70	5																
	10	1.7															
	9	B															

The Unconfined Compressive Strength (UCS) Failure Mode is indicated by (B-Bulge, S-Shear, P-Penetrometer)  
 The SPT (N value) is the sum of the last two blow values in each sampling zone (AASHTO T206)  
 BBS, from 137 (Rev. 8-99)



# SOIL BORING LOG

ROUTE Park Improvements DESCRIPTION West Culvert in Lake Le-Aqua-Na State Park LOGGED BY N. White  
 SECTION Lake Le-Aqua-Na 2018 LOCATION West Point Township - NW 17, SEC. TWP. 28N, RNG. 5-6E  
 COUNTY Stephenson DRILLING METHOD Hollow Stem Auger HAMMER TYPE CME-45

STRUCT. NO. Low Water Crossing Latitude 42° 25' 21.40" Northing 2,096,696.1619  
 Station 159+37 Longitude -89° 50' 24.27" Easting 2,384,762.3757

DEPTH H S	B L O W S	U C S Qu	M O I S T	Surface Water Elev. ft	Stream Bed Elev. ft	Groundwater Elev.:	D E P T H	B L O W S	U C S Qu	M O I S T	Surface Water Elev. ft	Stream Bed Elev. ft	Groundwater Elev.:	D E P T H	B L O W S	U C S Qu	M O I S T
		0.7	20.0			DENSE brown coarse SAND & weathered LIMESTONE (continued)											
						End of Boring											
98.30	2																
96.80	4	0.7	22.0														
	7																
93.80	6	1.5															
	6																
	4																
91.80	1																
	10																
	14																
89.30	4																
	11																
	12																
86.80	4																
	5																
	11																
83.80	8																
	8																
	7																
81.30	2	1.2	19.0														
	1																
	6																

The Unconfined Compressive Strength (UCS) Failure Mode is indicated by (B-Bulge, S-Shear, P-Penetrometer)  
 The SPT (N value) is the sum of the last two blow values in each sampling zone (AASHTO T206)  
 BBS, from 137 (Rev. 8-99)

MODEL: SMODELNAMES  
 FILE NAME: SFILELS



USER NAME =	DESIGNED -	REVISED -
CHECKED -	CHECKED -	REVISED -
PLOT SCALE =	DRAWN -	REVISED -
PLOT DATE =	CHECKED -	REVISED -

STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION

BORING - STA. 159+37

SHEET 6 OF 6 SHEETS

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	LAKE LE-AQUA-NA 2018	STEPHENSON	308	175
CONTRACT NO. 46906				
ILLINOIS FED. AID PROJECT				



Benchmark: Mag Nail in pavement  
60.95' Lt. Sta. 159+99.29 Elev. 862.84

Existing Structure: 15 in. diameter corrugated metal pipe culvert.

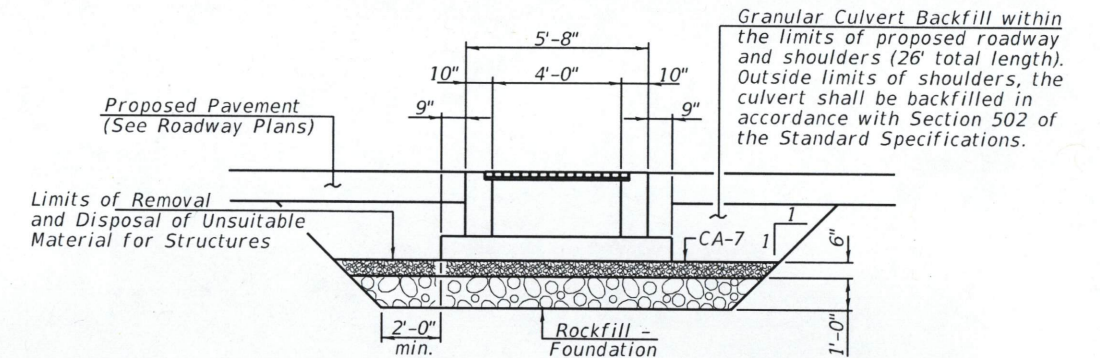
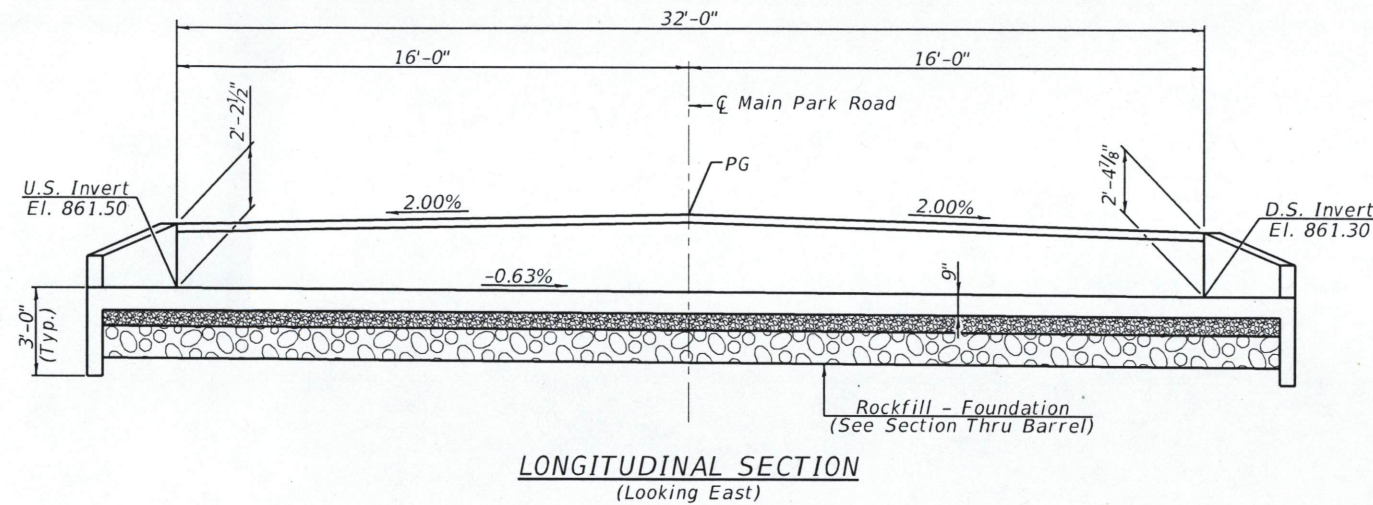
Salvage: None.

**INDEX OF SHEETS**

- 1 - General Plan & Elevation
- 2 - Culvert Details
- 3 - Culvert Details
- 4 - Borings

**TOTAL BILL OF MATERIAL**

ITEM	UNIT	TOTAL
Concrete Box Culverts	Cu. Yd.	33.8
Reinforcement Bars, Epoxy Coated	Lb.	2250
Granular Culvert Backfill	Cu. Yd.	16.0
Rockfill - Foundation	Ton	36
Removal and Disposal of Unsuitable Material for Structures	Cu. Yd.	24
Special Gate, No. 1	Each	1



Note: The limits and quantities of removal and replacement shown may be modified by the Field Engineer for variable subsurface conditions encountered in the field.

**DESIGN SPECIFICATIONS**  
2017 AASHTO LRFD Bridge Design Specifications, 8th Edition.

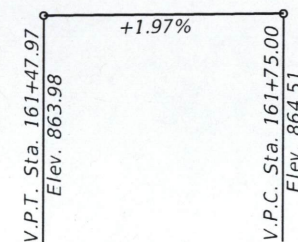
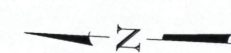
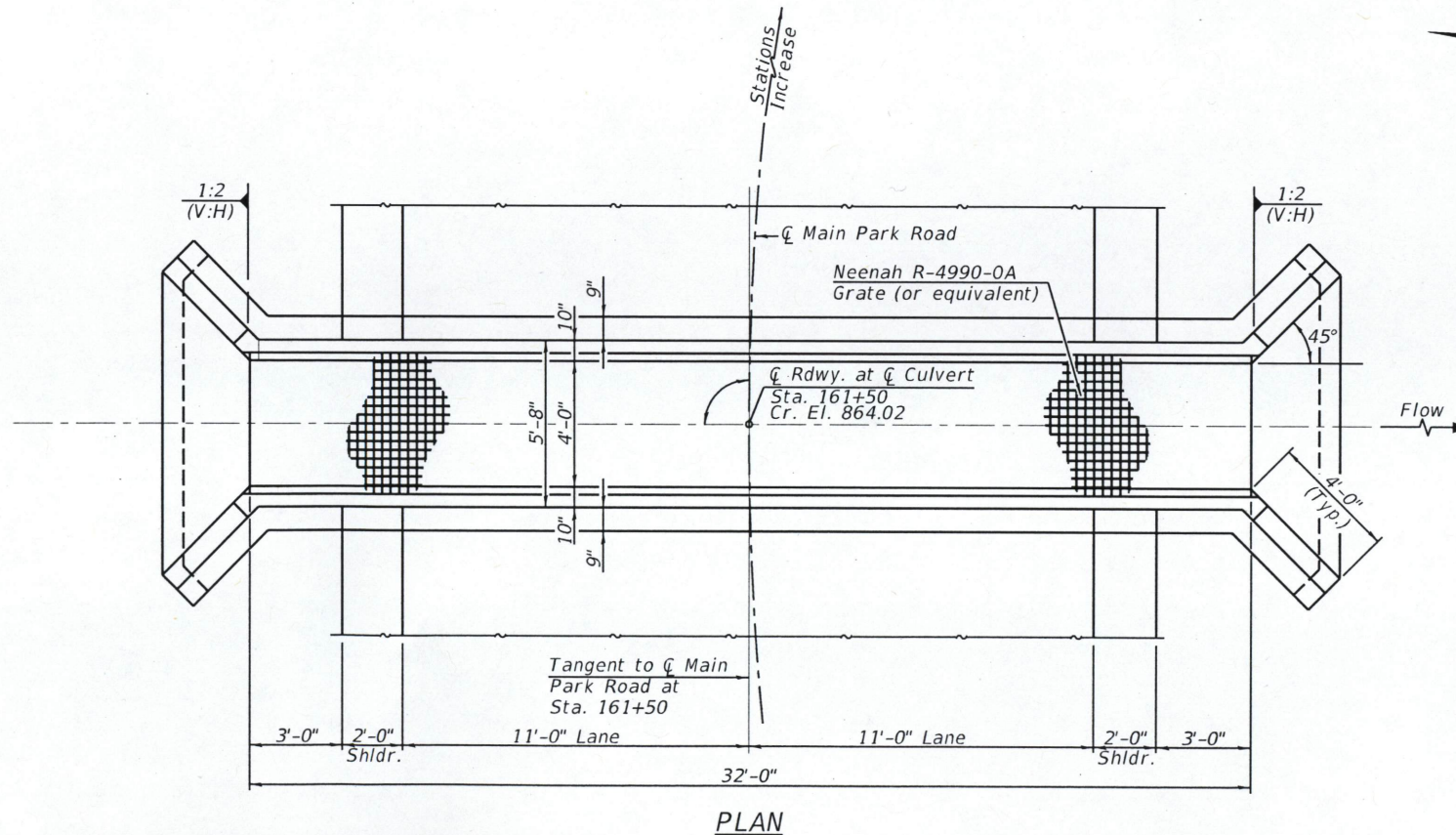
**DESIGN STRESSES**

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

**LOADING HL 93**

**GENERAL NOTES**

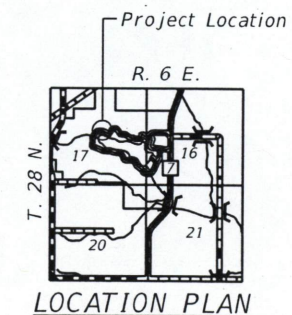
1. See Roadway Plans for riprap layout and quantities.
2. Exposed edges shall have a 3/4" chamfer.
3. Reinforcement bars designated (E) shall be epoxy coated.



**PROFILE GRADE**  
(Along Centerline of Main Park Road)

**HORIZ. CURVE DATA**

P.I. Sta. 160+87.71  
Δ = 26° 43' 10" (Rt.)  
D = 14° 19' 26"  
R = 400.00'  
T = 95.00'  
L = 186.54'  
E = 11.13'  
e = N.C.  
P.C. Sta. 159+92.71  
P.T. Sta. 161+79.25



*Mark A. Henderson* 9/27/2019  
Exp. Date: 11/30/2020

**GENERAL PLAN & ELEVATION**  
**MAIN PARK ROAD OVER**  
**DRAINAGE DITCH**  
**SECTION LAKE LE-AQUA-NA 2018**  
**STEPHENSON COUNTY**  
**STATION 161+50**

MODEL: \$MODELNAME\$  
FILE NAME: \$FILES\$

**V&K**  
Veenstra & Kimm, Inc.  
Springfield, IL Phone: (217)544-8033

USER NAME =	DESIGNED -	REVISED -
PLOT SCALE =	CHECKED -	REVISED -
PLOT DATE =	DRAWN -	REVISED -
	CHECKED -	REVISED -

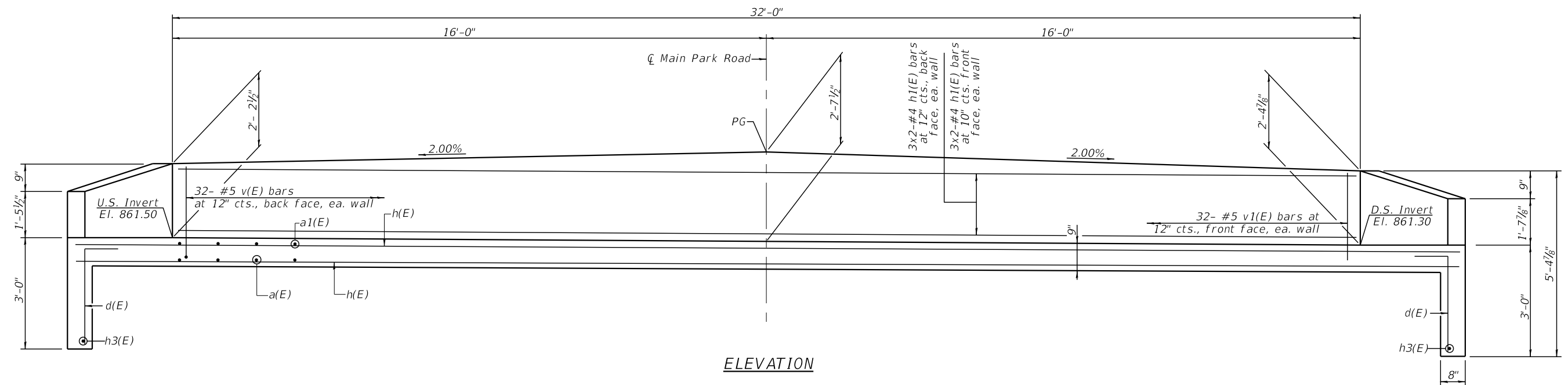
**STATE OF ILLINOIS**  
**DEPARTMENT OF TRANSPORTATION**

**GENERAL PLAN - STA. 161+50**

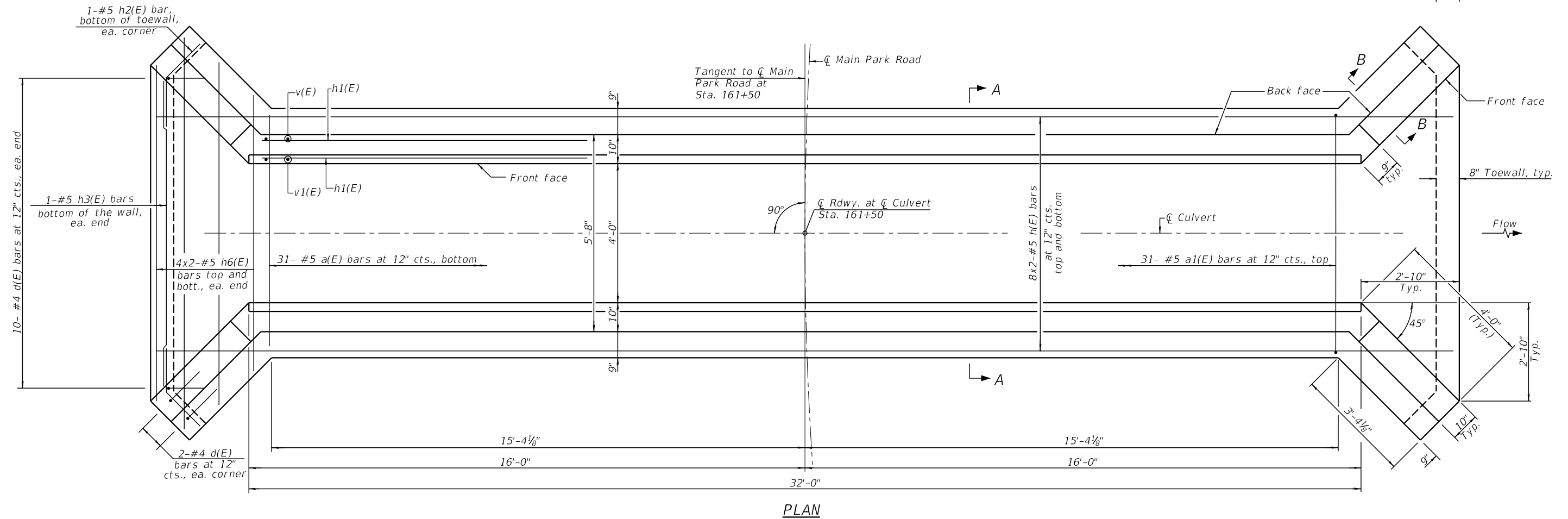
SHEET 1 OF 4 SHEETS

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	LAKE LE-AQUA-NA 2018	STEPHENSON	308	176
CONTRACT NO. 46906				
ILLINOIS FED. AID PROJECT				





ELEVATION



PLAN

**MIN. BAR LAP**

#4 = 2'-7"  
#5 = 3'-2"

**NOTES**

For Sections A-A and B-B, see Sheet 3 of 4.  
See Sheet 3 of 4 for wingwall details.  
Bars indicated thus 7x2-#5 etc. indicates 7 lines of bars with 2 lengths per line.

MODEL: SMODELNAMES  
FILE NAME: SFILES



USER NAME = \_\_\_\_\_  
DESIGNED - \_\_\_\_\_  
CHECKED - \_\_\_\_\_  
PLOT SCALE = \_\_\_\_\_  
DRAWN - \_\_\_\_\_  
PLOT DATE = \_\_\_\_\_

DESIGNED - \_\_\_\_\_  
CHECKED - \_\_\_\_\_  
DRAWN - \_\_\_\_\_  
CHECKED - \_\_\_\_\_

REVISED - \_\_\_\_\_  
REVISED - \_\_\_\_\_  
REVISED - \_\_\_\_\_  
REVISED - \_\_\_\_\_

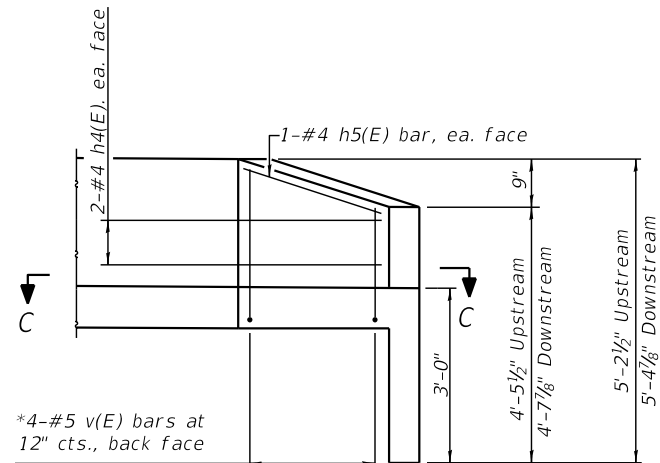
STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

CULVERT DETAILS - STA. 161+50

SHEET 2 OF 4 SHEETS

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	LAKE LE-AQUA-NA 2018	STEPHENSON	308	177
CONTRACT NO. 46906				
ILLINOIS FED. AID PROJECT				

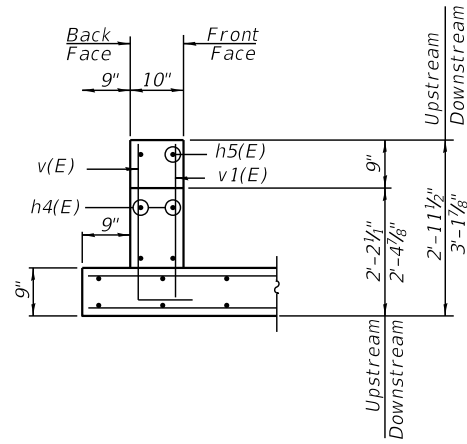
SDATES \$TIMES



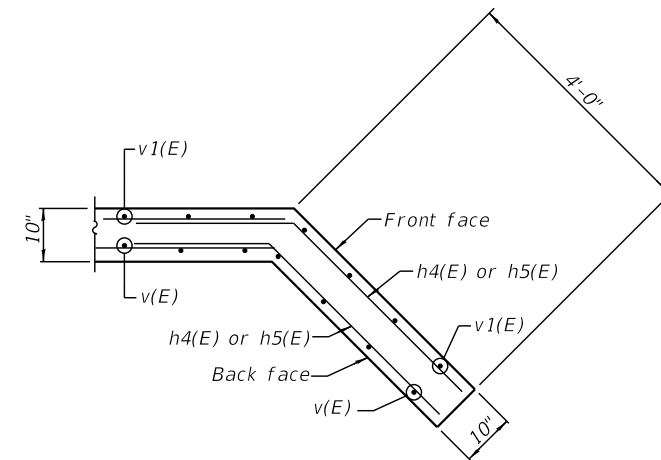
\*4-#5 v(E) bars at 12" cts., back face  
 \*4-#5 v1(E) bars at 12" cts., front face

**WING WALL ELEVATION**

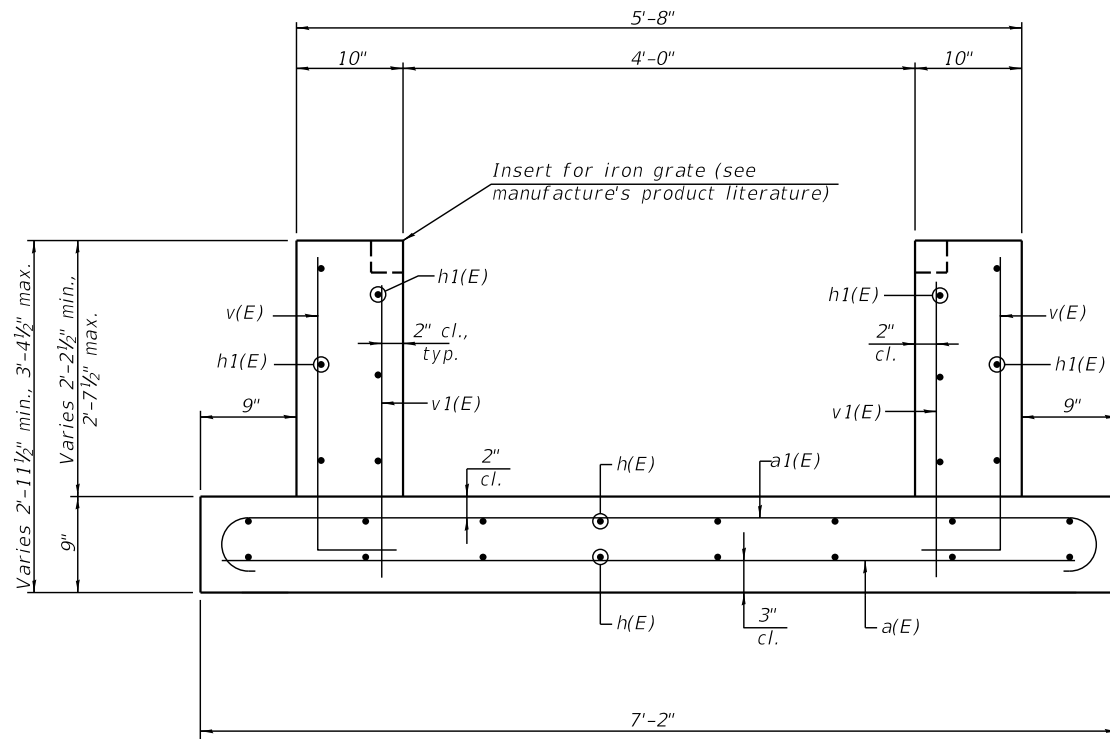
\*Field cut to fit



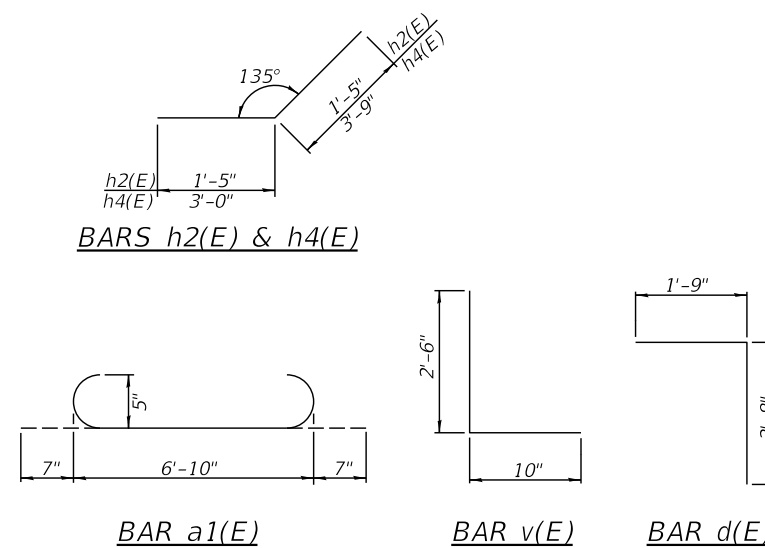
**SECTION B-B**



**SECTION C-C**



**SECTION A-A**



**BILL OF MATERIAL**

Bar	No.	Size	Length	Shape
a(E)	31	#5	6'-10"	—
a1(E)	31	#5	8'-0"	U
d(E)	28	#4	4'-5"	L
h(E)	32	#5	20'-3"	—
h1(E)	24	#4	17'-4"	—
h2(E)	4	#5	2'-10"	L
h3(E)	2	#5	9'-6"	—
h4(E)	16	#4	6'-9"	L
h5(E)	8	#4	3'-9"	—
h6(E)	16	#5	7'-4"	—
v(E)	80	#5	3'-4"	L
v1(E)	80	#5	2'-6"	—
Concrete Box Culverts			Cu. Yd.	33.8
Reinforcement Bars, Epoxy Coated			Pound	2250

MODEL: SMODELNAMES  
 FILE NAME: SFILES



USER NAME =	DESIGNED -	REVISED -
PLOT SCALE =	CHECKED -	REVISED -
PLOT DATE =	DRAWN -	REVISED -
	CHECKED -	REVISED -

STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION

CULVERT DETAILS - STA. 161+50

SHEET 3 OF 4 SHEETS

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	LAKE LE-AQUA-NA 2018	STEPHENSON	308	178
CONTRACT NO. 46906				
ILLINOIS FED. AID PROJECT				

SDATES \$TIMES







Benchmark: Mag Nail in pavement  
9.74' Lt. Sta. 173+40.60 Elev. 872.36

Existing Structure: 36" corrugated metal pipe culvert.

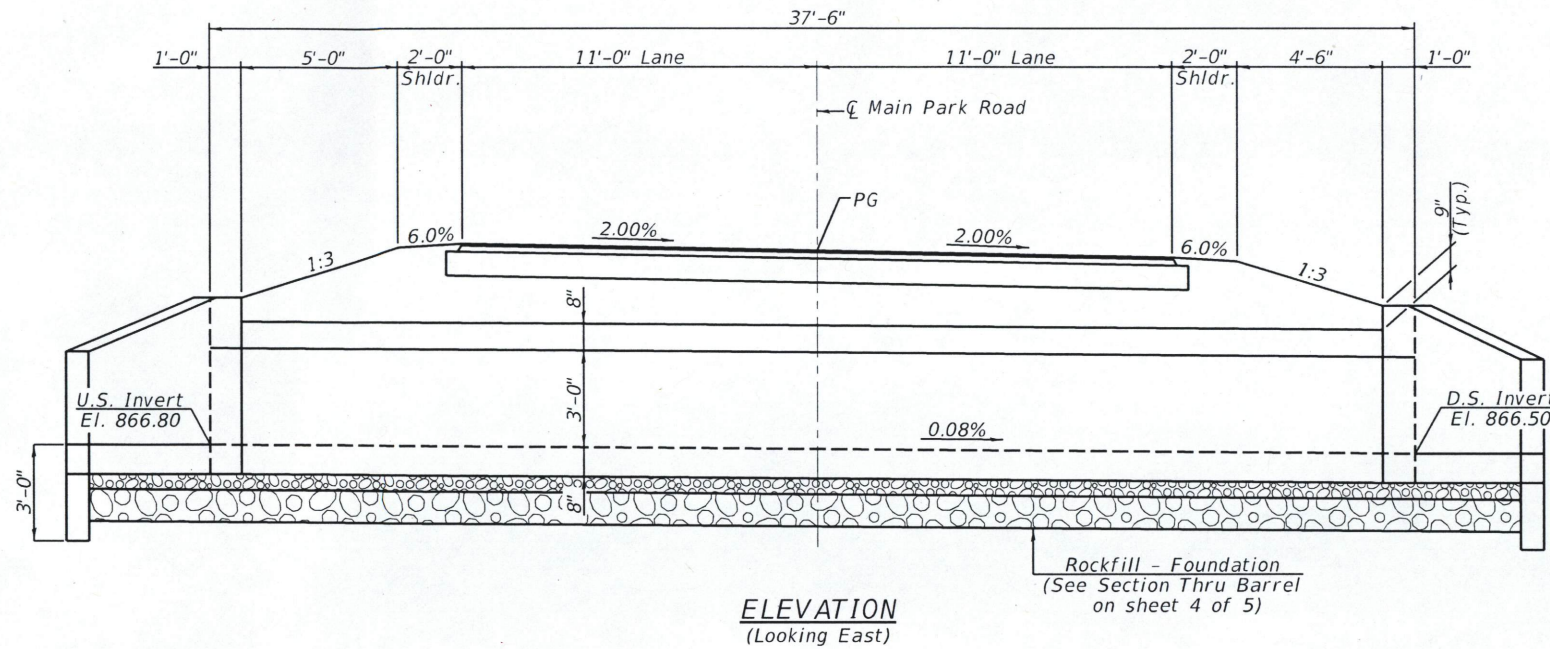
Salvage: None

**INDEX OF SHEETS**

1. General Plan & Elevation
- 2.-3. Precast Concrete Box Culvert End Section Details
4. Culvert Details
5. Borings

**TOTAL BILL OF MATERIAL**

ITEM	UNIT	TOTAL
Membrane Waterproofing System for Buried Structures	Sq. Yd.	45
Precast Concrete Box Culverts, 8' x 3'	Foot	31.50
Granular Culvert Backfill	Cu. Yd.	27
Rockfill - Foundation	Ton	35
Removal and Disposal of Unsuitable Material for Structures	Cu. Yd.	35
Box Culvert End Sections, Culvert No. 1	Each	2
Geocomposite Wall Drain	Sq. Yd.	45



**GENERAL NOTES**

The design fill height for this box is 2.6 ft. The precast box culvert sections shall conform to the requirements of ASTM C1577.

Drain holes shall be provided on exterior culvert walls for each precast box segment with a clear rise greater than 3 ft. The drain hole shall be located within 1/3 of the clear rise of the box culvert, shall not intercept the haunch, and shall conform to the requirements of Article 503.11 of the Standard Specification.

The 6 in. thick layer of porous granular material required for the precast concrete box culvert per Art. 540.06 of the Standard Specifications shall also apply to the end sections. Cost of the porous granular material will not be paid for separately but shall be included in the unit price of the work for which it is required.

Nonwoven geotextile fabric shall conform to the requirements of Art. 1080.01 of the Standard Specifications. The minimum weight of the fabric shall be 6 ounces per square yard.

Precast concrete box culverts and box culvert end sections shall be backfilled with Porous Granular Embankment below the top of the box culvert extending to a vertical plane 2 ft from the exterior sides of the culvert, 2 ft from the back face of the end sections, and not closer than 2 ft from the face of embankment.

**DESIGN SPECIFICATIONS**

2017 AASHTO LRFD Bridge Design Specifications, 8th Edition.

**LOADING HL 93**

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

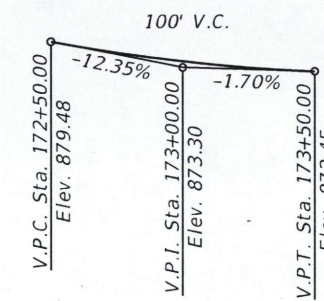
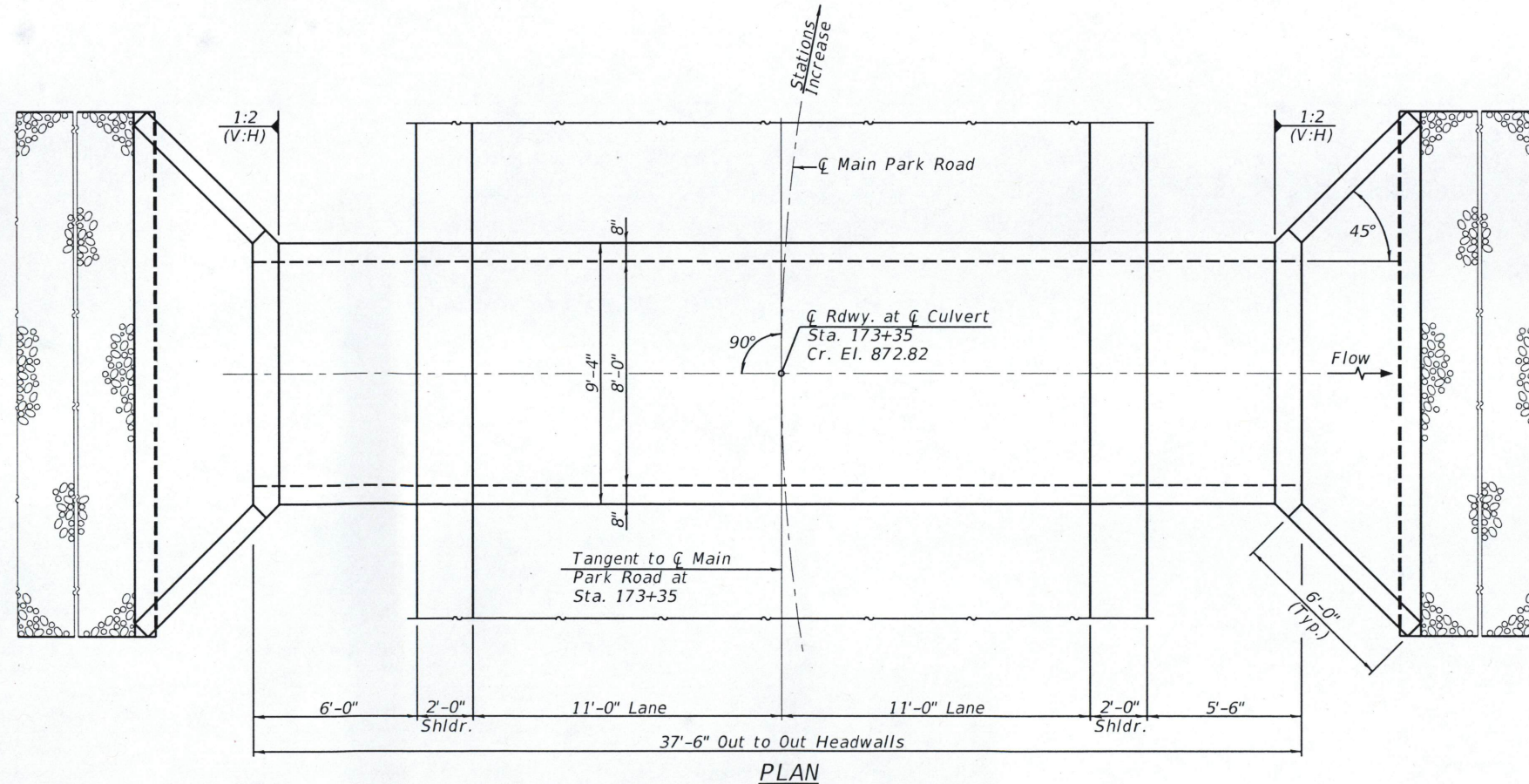
**DESIGN STRESSES**

**FIELD UNITS**

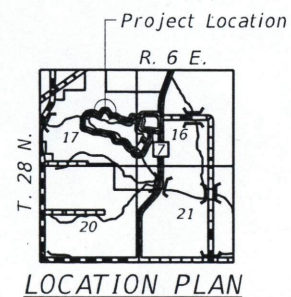
f'c = 3,500 psi  
fy = 60,000 psi (Reinforcement)

**HORIZ. CURVE DATA**

P.I. Sta. 173+73.82  
Δ = 60° 50' 50" (Rt.)  
D = 44° 04' 25"  
R = 130.00'  
T = 76.34'  
L = 138.06'  
E = 20.76'  
P.C. Sta. 172+97.48  
P.T. Sta. 174+35.54



**PROFILE GRADE**  
(Along Centerline Main Park Road)



Mark A. Henderson 9/27/2019  
Exp. Date: 11/30/2020

**GENERAL PLAN & ELEVATION**  
**MAIN PARK ROAD OVER**  
**DRAINAGE DITCH**  
**SECTION LAKE LE-AQUA-NA 2018**  
**STEPHENSON COUNTY**  
**STATION 173+35**

MODEL: S:\MODEL\NAMES  
FILE NAME: SFILES



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PLOT DATE =	DRAWN -	REVISED -
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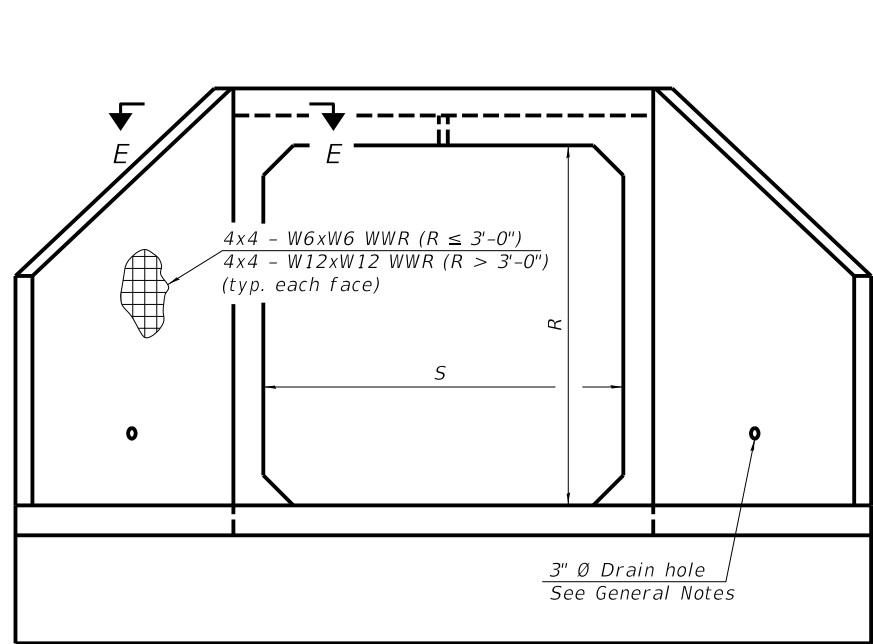
**STATE OF ILLINOIS**  
**DEPARTMENT OF TRANSPORTATION**

**GENERAL PLAN & ELEVATION - STA. 173+35**

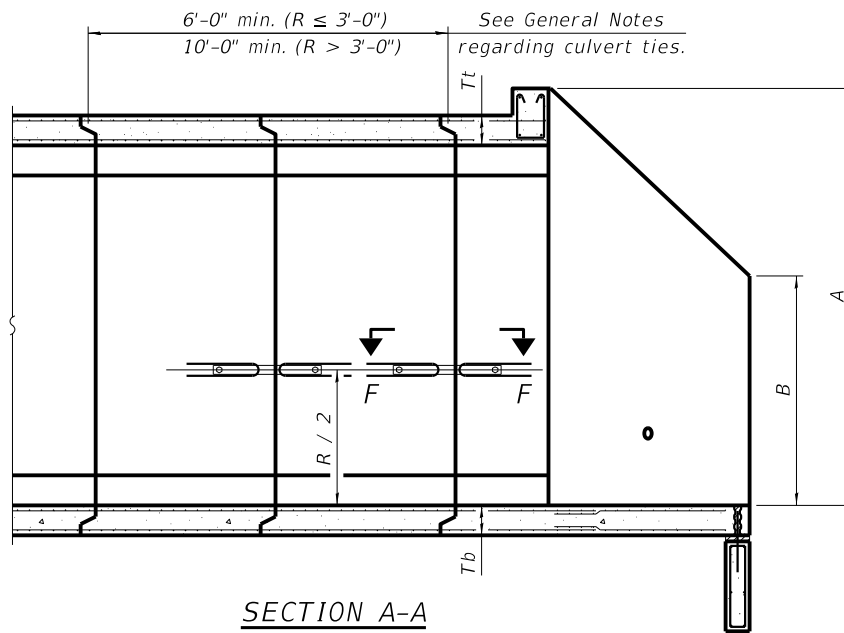
SHEET 1 OF 5 SHEETS

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	LAKE LE-AQUA-NA 2018	STEPHENSON	308	180
CONTRACT NO. 46906				
ILLINOIS FED. AID PROJECT				





END VIEW



SECTION A-A

GENERAL NOTES

Box Culvert End Sections shall be constructed according to the requirements of Section 540 of the Standard Specifications except as modified herein. End sections will be paid for at the contract unit price per each for Box Culvert End Sections.

The Contractor may furnish the end section as a single precast concrete piece or construct the end section in the field using cast-in-place (CIP) construction. For CIP construction, the bottom slab thickness shall be increased by 2" and the clear cover to the bottom mat of reinforcement shall be increased to 3".

Box section dimensions, materials, and reinforcement details for Box Culvert End Sections shall be according to the requirements for ASTM C 1577 as required for the design of the portion of the culvert within the limits of Precast Concrete Box Culverts except as modified herein.

The number of culvert ties shall be sufficient to engage the minimum length of culvert barrel shown within the pay limits for Precast Concrete Box Culverts and will be dependent upon the length of box culvert segments furnished by the Contractor. Culvert ties are not required for box culverts having a rise (R) less than or equal to 3 ft and a span (S) greater than or equal to 10 ft.

All costs associated with furnishing and installing or constructing the toewall and culvert ties will not be measured for payment but shall be included in the unit price for Box Culvert End Sections of the culvert number specified.

Shop drawings that detail slab thickness and reinforcement layout for the Box Culvert End Sections shall be provided to the Engineer for review and approval. Reinforcement bars not detailed herein shall be detailed with a clear distance at the end of the reinforcement not less than 1/2" nor more than 2". For the precast option, it shall be the Contractor's responsibility for determining a method of handling and a construction procedure shall be included in the shop drawings. The Contractor shall determine and detail in the shop drawings any necessary strengthening or stiffening provisions necessary to handle the precast segment. Any required modifications shall be at no extra charge.

The Contractor may use reinforcement bars in lieu of welded wire reinforcement (WWR). Reinforcement bars shall be limited to the sizes of #3 through #5 bars, a maximum spacing of the lesser of 8" or the member thickness, and shall result in an area of reinforcement equal to or greater than that provided by the WWR. Minimum lap lengths detailed herein are applicable to WWR and reinforcement bars.

Reinforcement (circumferential and longitudinal) in the culvert barrel portion of the end section being lapped with reinforcement from the wingwalls or bottom slab of the end section shall not be less than that required by ASTM C 1577 for the design fill height or the reinforcement detailed for the end section, whichever is greater.

One drain hole shall be provided in each wingwall for end sections of box culverts having an opening with a clear rise greater than 3 ft. The drain hole shall be located within the lower 1/3 of the clear rise of the box culvert and shall conform to the requirements of Article 503.11 of the Standard Specifications.

APRON END SECTION DIMENSIONS

Span (S)	Rise (R)	Tt	Tb	Ts	A	B	C	D	E	Concrete Cu. Yd.	Culvert Ties Required
3'-0"	2'-0"	7"	6"	4"	3'-4"	2'-2"	2'-10 5/8"	4'-1"	10'-4 5/8"	2.8	Yes
3'-0"	2'-0"	4"	4"	4"	3'-1"	2'-1"	2'-7 1/8"	3'-9"	9'-11"	2.3	Yes
3'-0"	3'-0"	7"	6"	4"	4'-4"	2'-8"	3'-10 3/8"	5'-6"	12'-4 3/8"	3.7	Yes
3'-0"	3'-0"	4"	4"	4"	4'-1"	2'-7"	3'-7 1/8"	5'-2"	11'-11"	3.1	Yes
4'-0"	2'-0"	7.5"	6"	5"	3'-4 1/2"	2'-2 1/2"	2'-11 3/8"	4'-2"	11'-8"	3.3	Yes
4'-0"	2'-0"	5"	5"	5"	3'-2"	2'-1"	2'-8 1/2"	3'-10"	11'-2 3/8"	2.8	Yes
4'-0"	3'-0"	7.5"	6"	5"	4'-4 1/2"	2'-8 1/2"	3'-11 3/8"	5'-7"	13'-8 1/8"	4.2	Yes
4'-0"	3'-0"	5"	5"	5"	4'-2"	2'-7"	3'-8 1/2"	5'-3"	13'-2 3/8"	3.7	Yes
4'-0"	4'-0"	7.5"	6"	5"	5'-4 1/2"	3'-2 1/2"	4'-11 3/8"	7'-0"	15'-8 1/8"	5.3	Yes
4'-0"	4'-0"	5"	5"	5"	5'-2"	3'-1"	4'-8 3/8"	6'-8"	15'-2 1/2"	4.7	Yes
5'-0"	2'-0"	8"	7"	6"	3'-5"	2'-3"	2'-11 3/8"	4'-2"	12'-10"	3.9	Yes
5'-0"	2'-0"	6"	6"	6"	3'-3"	2'-2"	2'-10"	4'-0"	12'-7 1/4"	3.5	Yes
5'-0"	3'-0"	8"	7"	6"	4'-5"	2'-9"	3'-11 3/8"	5'-7"	14'-10 1/8"	4.9	Yes
5'-0"	3'-0"	6"	6"	6"	4'-3"	2'-8"	3'-10"	5'-5"	14'-7 1/4"	4.5	Yes
5'-0"	4'-0"	8"	7"	6"	5'-5"	3'-3"	4'-11 3/8"	7'-0"	16'-10 1/8"	6.1	Yes
5'-0"	4'-0"	6"	6"	6"	5'-3"	3'-2"	4'-9 1/4"	6'-9"	16'-5 3/8"	5.5	Yes
5'-0"	5'-0"	8"	7"	6"	6'-5"	3'-9"	5'-11 3/8"	8'-5"	18'-10 1/8"	7.4	Yes
5'-0"	5'-0"	6"	6"	6"	6'-3"	3'-8"	5'-9 1/4"	8'-2"	18'-5 3/8"	6.8	Yes
6'-0"	2'-0"	8"	7"	7"	3'-5"	2'-3"	2'-11 3/8"	4'-2"	14'-0"	4.3	Yes
6'-0"	2'-0"	7"	7"	7"	3'-4"	2'-2"	2'-10 3/8"	4'-1"	13'-10 3/8"	4.2	Yes
6'-0"	3'-0"	8"	7"	7"	4'-5"	2'-9"	3'-11 3/8"	5'-7"	16'-0 1/8"	5.4	Yes
6'-0"	3'-0"	7"	7"	7"	4'-4"	2'-8"	3'-10 3/8"	5'-6"	15'-10 3/8"	5.2	Yes
6'-0"	4'-0"	8"	7"	7"	5'-5"	3'-3"	4'-11 3/8"	7'-0"	18'-0 3/8"	6.5	Yes
6'-0"	4'-0"	7"	7"	7"	5'-4"	3'-2"	4'-10 3/4"	6'-11"	17'-10 3/4"	6.5	Yes
6'-0"	5'-0"	8"	7"	7"	6'-5"	3'-9"	5'-11 3/8"	8'-5"	20'-0 1/8"	8.0	Yes
6'-0"	5'-0"	7"	7"	7"	6'-4"	3'-8"	5'-10 3/4"	8'-4"	19'-10 3/4"	7.8	Yes
6'-0"	6'-0"	8"	7"	7"	7'-5"	4'-3"	6'-11 1/2"	9'-10"	22'-0 1/4"	9.5	Yes
6'-0"	6'-0"	7"	7"	7"	7'-4"	4'-2"	6'-10 3/4"	9'-9"	21'-10 3/4"	9.3	Yes
7'-0"	2'-0"	8"	8"	8"	3'-5"	2'-3"	2'-11 3/8"	4'-2"	15'-2"	4.9	Yes
7'-0"	3'-0"	8"	8"	8"	4'-5"	2'-9"	3'-11 3/8"	5'-7"	17'-2 1/2"	6.1	Yes
7'-0"	4'-0"	8"	8"	8"	5'-5"	3'-3"	4'-11 3/8"	7'-0"	19'-2 1/2"	7.4	Yes
7'-0"	5'-0"	8"	8"	8"	6'-5"	3'-9"	5'-11 3/8"	8'-5"	21'-2 1/2"	8.9	Yes
7'-0"	6'-0"	8"	8"	8"	7'-5"	4'-3"	6'-11 1/2"	9'-10"	23'-2 1/4"	10.6	Yes
8'-0"	2'-0"	8"	8"	8"	3'-5"	2'-3"	2'-11 3/8"	4'-2"	16'-2"	5.3	Yes
8'-0"	3'-0"	8"	8"	8"	4'-5"	2'-9"	3'-11 3/8"	5'-7"	18'-2 1/8"	6.5	Yes
8'-0"	4'-0"	8"	8"	8"	5'-5"	3'-3"	4'-11 3/8"	7'-0"	20'-2 1/8"	7.8	Yes
8'-0"	5'-0"	8"	8"	8"	6'-5"	3'-9"	5'-11 3/8"	8'-5"	22'-2 1/8"	9.3	Yes
8'-0"	6'-0"	8"	8"	8"	7'-5"	4'-3"	6'-11 1/2"	9'-10"	24'-2 1/4"	11.0	Yes
9'-0"	2'-0"	9"	9"	9"	3'-6"	2'-3"	3'-0 3/4"	4'-4"	17'-6 7/8"	6.2	Yes
9'-0"	3'-0"	9"	9"	9"	4'-6"	2'-9"	4'-0 3/4"	5'-9"	19'-6 7/8"	7.5	Yes
9'-0"	4'-0"	9"	9"	9"	5'-6"	3'-3"	5'-0 3/4"	7'-2"	21'-6 7/8"	9.0	Yes
9'-0"	5'-0"	9"	9"	9"	6'-6"	3'-9"	6'-0 3/8"	8'-7"	23'-7"	10.6	Yes
9'-0"	6'-0"	9"	9"	9"	7'-6"	4'-3"	7'-0 1/8"	9'-11"	25'-5 5/8"	12.4	Yes
10'-0"	2'-0"	10"	10"	10"	3'-7"	2'-4"	3'-1 1/2"	4'-5"	18'-10 1/4"	7.1	No
10'-0"	3'-0"	10"	10"	10"	4'-7"	2'-10"	4'-1 1/2"	5'-10"	20'-10 1/4"	8.6	No
10'-0"	4'-0"	10"	10"	10"	5'-7"	3'-4"	5'-1 1/2"	7'-3"	22'-10 3/8"	10.2	Yes
10'-0"	5'-0"	10"	10"	10"	6'-7"	3'-10"	6'-1 1/2"	8'-8"	24'-10 3/8"	12.0	Yes
10'-0"	6'-0"	10"	10"	10"	7'-7"	4'-4"	7'-1 1/2"	10'-1"	26'-10 3/8"	13.9	Yes
11'-0"	2'-0"	11"	11"	11"	3'-8"	2'-4"	3'-2 3/8"	4'-7"	20'-3 3/8"	8.2	No
11'-0"	3'-0"	11"	11"	11"	4'-8"	2'-10"	4'-2 3/8"	6'-0"	22'-3 3/8"	9.8	No
11'-0"	4'-0"	11"	11"	11"	5'-8"	3'-4"	5'-2 3/4"	7'-4"	24'-1 3/4"	11.5	Yes
11'-0"	5'-0"	11"	11"	11"	6'-8"	3'-10"	6'-2 3/4"	8'-9"	26'-1 3/4"	13.3	Yes
11'-0"	6'-0"	11"	11"	11"	7'-8"	4'-4"	7'-2 3/4"	10'-2"	28'-1 3/8"	15.5	Yes
12'-0"	2'-0"	12"	12"	12"	3'-9"	2'-5"	3'-3 3/8"	4'-8"	21'-6 1/2"	9.3	No
12'-0"	3'-0"	12"	12"	12"	4'-9"	2'-11"	4'-3 3/8"	6'-1"	23'-6 1/2"	11.1	No
12'-0"	4'-0"	12"	12"	12"	5'-9"	3'-5"	5'-3 3/8"	7'-6"	25'-6 3/8"	13.0	Yes
12'-0"	5'-0"	12"	12"	12"	6'-9"	3'-11"	6'-3 3/8"	8'-11"	27'-6 3/8"	14.1	Yes
12'-0"	6'-0"	12"	12"	12"	7'-9"	4'-5"	7'-3 3/8"	10'-4"	29'-6 3/8"	17.4	Yes

Note:

Two sets of apron end section dimensions are shown above for some box culvert sizes due to the top and bottom slabs having different thicknesses per ASTM C 1577 for design fill heights less than 2 ft.

(Sheet 1 of 2)

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2-17-2017

MODEL: SMODELNAMES  
FILE NAME: SFILES



USER NAME =	DESIGNED -	REVISED -
CHECKED -	CHECKED -	REVISED -
PLOT SCALE =	DRAWN -	REVISED -
PLOT DATE =	CHECKED -	REVISED -

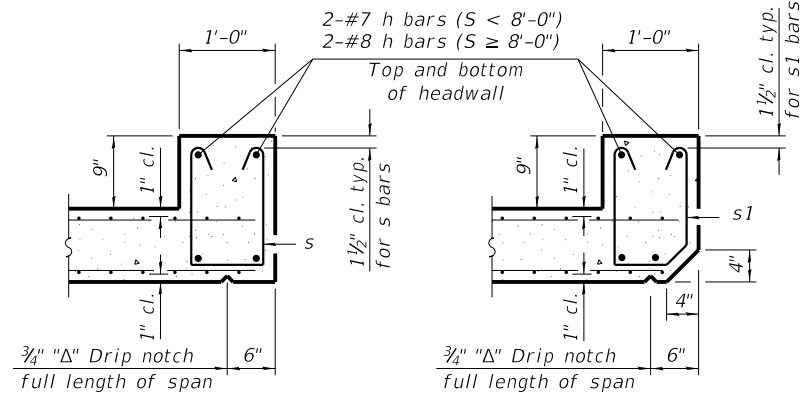
STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

PRECAST CONCRETE BOX CULVERT APRON END  
SECTION DETAILS - STA. 173 + 35

SHEET 2 OF 5 SHEETS

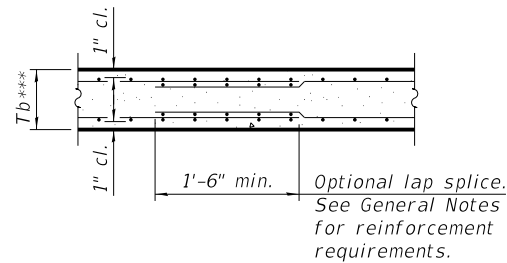
F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	LAKE LE-AQUA-NA 2018	STEPHENSON	308	181
CONTRACT NO. 46906				
ILLINOIS FED. AID PROJECT				

SDATES \$TIMES



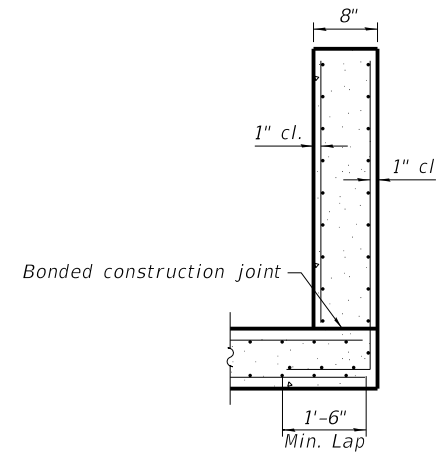
**SECTION B-B**  
(Top slab at downstream end)

**SECTION B-B**  
(Top slab at upstream end)

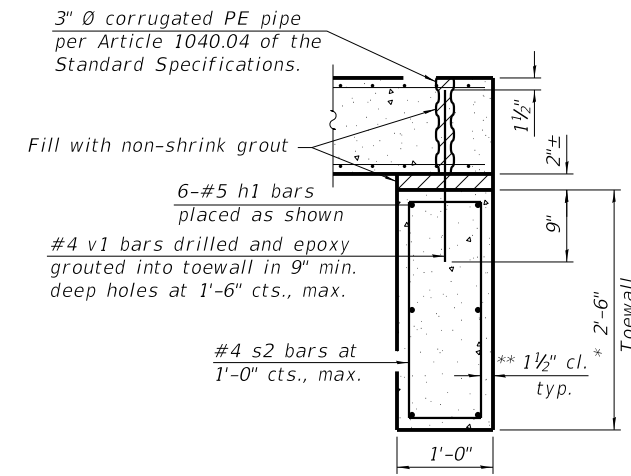


**SECTION B-B**  
(Bottom Slab)

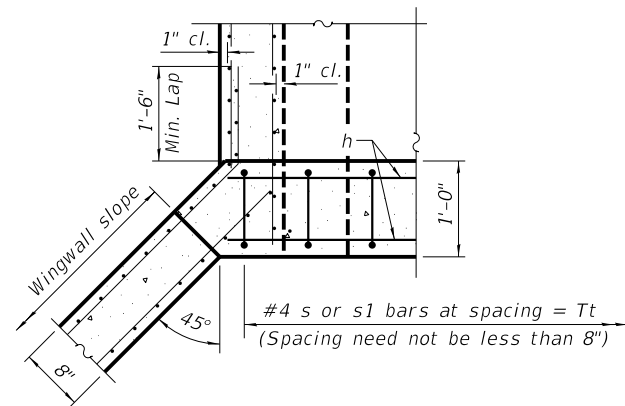
\*\*\* This dimension shall be increased by 2" for CIP construction.



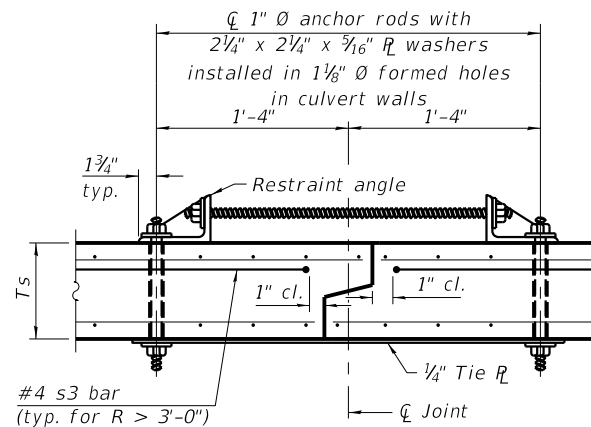
**SECTION C-C**



**SECTION D-D**



**SECTION E-E**



**SECTION F-F**  
(Showing culvert tie details)

**TOEWALL CONSTRUCTION SEQUENCE**

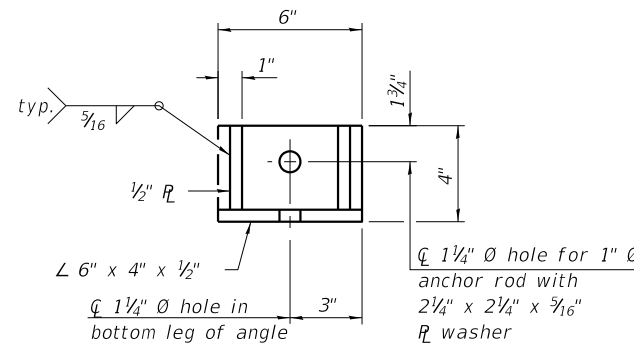
1. Perform excavation and construct toewall.
2. Backfill accordingly and place bedding for precast box culvert end sections.
3. Set precast box culvert end section.
4. Drill and epoxy grout reinforcement in toewall in accordance with Section 584 of the Standard Specifications.
5. Pressure grout voids using non-shrink grout conforming to Section 1024 of the Standard Specifications.

\* The Contractor may furnish a precast or cast-in-place toewall. The Contractor shall be responsible for the strength and stability of the precast toewall during handling. Additional lifting points may be required depending upon the length of the toewall or the Contractor may need to modify the design of the toewall for the proposed handling method.

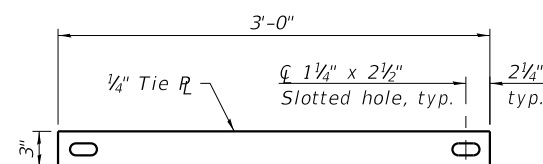
\*\* If soil conditions permit, the sides of the toewall may be poured directly against the soil. The clear cover on the sides of the toewall shall be increased to 3" by increasing the thickness of the toewall.

**Notes:**

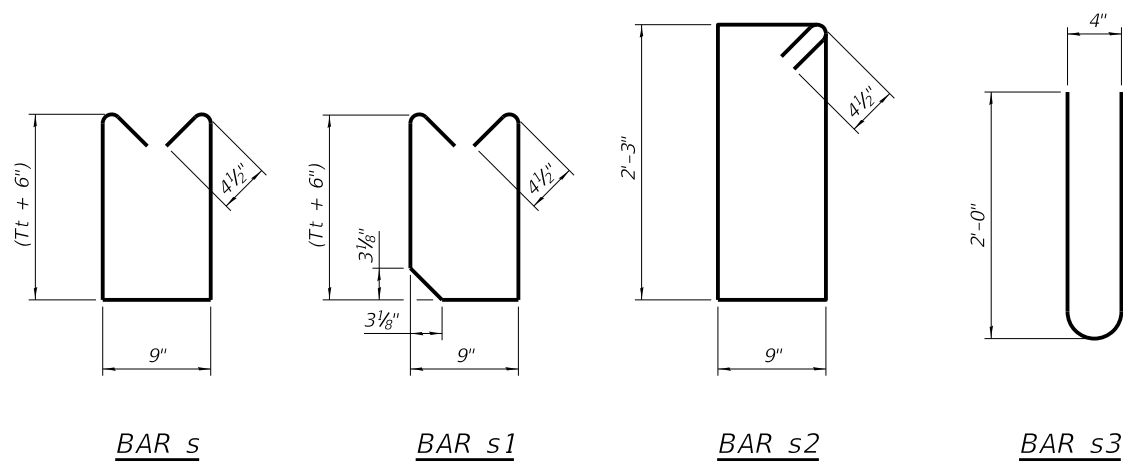
1" Ø anchor rods for the culvert ties shall conform to the requirements of ASTM F1554, Grade 105. Structural steel for the tie plate and restraint angle shall conform to the requirements of Article 1006.04 of the Standard Specifications. All components of the culvert tie detail shall be galvanized according to the requirements of AASHTO M 111 or M 232 as applicable. 2 1/4" x 2 1/4" x 5/16" plate washers shall be provided under each nut required for the anchor rods. Anchor rods connecting precast sections shall be brought to a snug tight condition followed by an additional 1/2 turn on one of the nuts for anchor rods installed in the walls. Match marks shall be provided on the bolt and nut to verify relative rotation between the bolt and the nut. Holes in the walls for the culvert tie assembly may be drilled using core bits in lieu of using formed holes.



**RESTRAINT ANGLE DETAIL**



**TIE PLATE DETAIL**



**BAR s**

**BAR s1**

**BAR s2**

**BAR s3**

(Sheet 2 of 2)

MODEL: SMODELNAMES  
FILE NAME: SFILES

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2-17-2017



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PLOT SCALE =	CHECKED -	REVISED -
PLOT DATE =	DRAWN -	REVISED -
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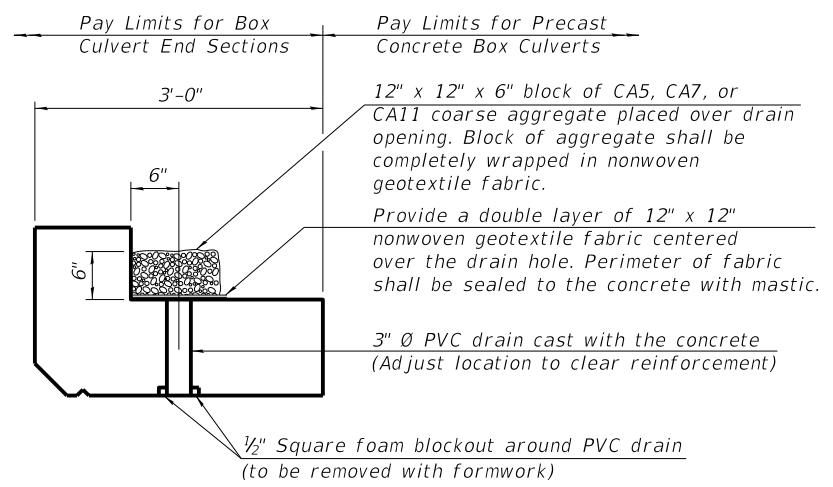
STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

PRECAST CONCRETE BOX CULVERT APRON END  
SECTION DETAILS - STA. 173+35

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	LAKE LE-AQUA-NA 2018	STEPHENSON	308	182
CONTRACT NO. 46906				

SHEET 3 OF 5 SHEETS

ILLINOIS FED. AID PROJECT



**DRAIN DETAIL**

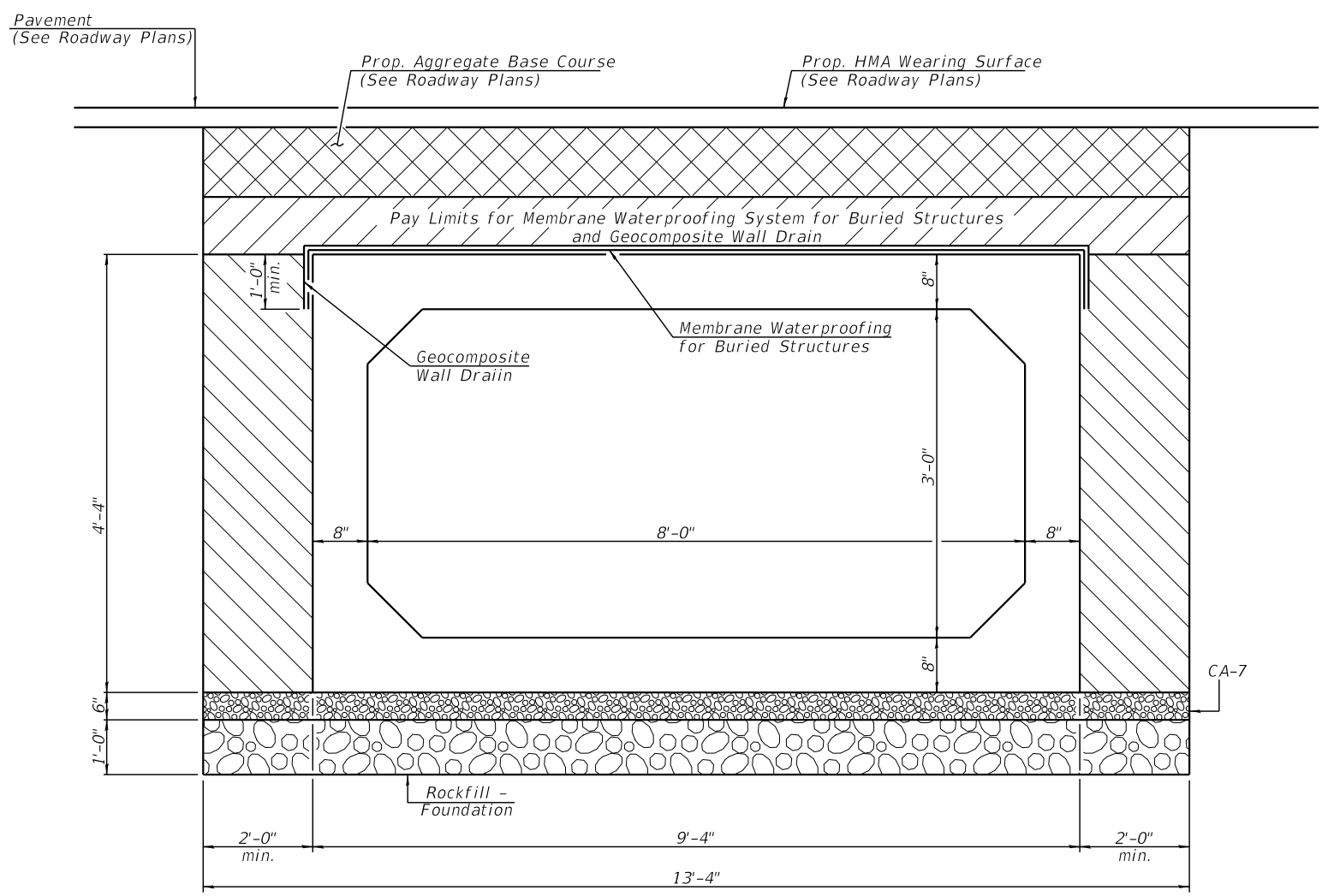
(All costs associated with furnishing and constructing the above drain detail will not be measured for payment but shall be included in the contract unit price for the associated work.)

**GENERAL NOTES**

Work shown in the detail shall be performed in accordance with applicable portions of Section 207 and Section 540 of the Standard Specifications.

Granular Culvert Backfill shall extend 2 ft. beyond the headwalls.

The area to be excavated for the proposed box culvert shall not be measured for payment. The cost of the excavation shall be included in the cost of Precast Concrete Box Culverts.



**SECTION THRU BARREL**

Note: The limits and quantities of removal and replacement shown may be modified by the Field Engineer for variable subsurface conditions encountered in the field. Geocomposite Wall Drain shall be according to Section 591 of the Standard Specifications, except that concrete nails shall not be used in areas where it overlaps Membrane Waterproofing System for Buried Structures.

**LEGEND**

- Aggregate Base Course (See Roadway Plans)
- Porous Granular Material - CA-7 (6") Included in Precast Concrete Box Culverts, 8' x 3'
- Rockfill - Foundation (12")
- Earth fill
- Granular Culvert Backfill extending 2 ft beyond the culvert headwalls. Outside limits of Granular Culvert Backfill, the culvert shall be backfilled in accordance with Section 502 of the Standard Specifications.

MODEL: SMODELNAMES  
FILE NAME: SFILES



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PLOT SCALE =	DRAWN -	REVISED -
PLOT DATE =	CHECKED -	REVISED -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**CULVERT DETAILS - STA. 173 + 35**

SHEET 4 OF 5 SHEETS

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	LAKE LE-AQUA-NA 2018	STEPHENSON	308	183
CONTRACT NO. 46906				
ILLINOIS FED. AID PROJECT				
























ELECTRICAL SUMMARY OF QUANTITIES  
ADD 'BILL OF MATERIALS' HERE

ELECTRICAL LEGEND

-  EXISTING ELECTRICAL ENCLOSURE WITH METERING BASE TO REMAIN
-  EXISTING JUNCTION BOX TO REMAIN
-  EXISTING ELECTRIC CABLE TO REMAIN
-  EXISTING POWER PEDESTAL TO BE REMOVED
-  EXISTING LIGHTING UNIT TO BE REMOVED
-  EXISTING ELECTRIC SERVICE AND ELECTRICAL ENCLOSURE TO BE REMOVED
-  EXISTING TRANSFORMER TO BE REMOVED BY COMED
-  EXISTING ELECTRIC CABLE TO BE REMOVED
-  PROPOSED TRANSFORMER PAD TO BE INSTALLED BY THE CONTRACTOR (TRANSFORMER TO BE INSTALLED BY COMED)
-  PROPOSED ELECTRICAL ENCLOSURE, POLE MOUNTED, 120/240 VOLT, 60 AMP, SINGLE PHASE, 3 WIRE
-  PROPOSED 2" DIA. CNC CONDUIT WITH 3-1/C NO. 2/0
-  PROPOSED 2" DIA. CNC CONDUIT WITH 3-1/C NO. 8
-  PROPOSED UNDERGROUND CONDUIT CASING, 3" DIA. CNC
-  PROPOSED 4" DIA. CNC CONDUIT
-  PROPOSED LIGHTING UNIT  
BLACK ANODIZED ALUMINUM, 30' M.H., 1' PIPE STUB ARM,  
LUMINAIRE, LED, 120V, WITH 11-1/2" B.C. ON 8-5/8" X 6"  
METAL FOUNDATION
-  PROPOSED HANDHOLE
-  PROPOSED SERVICE DISCONNECT SWITCH CENTER

HIGHWAY STANDARDS

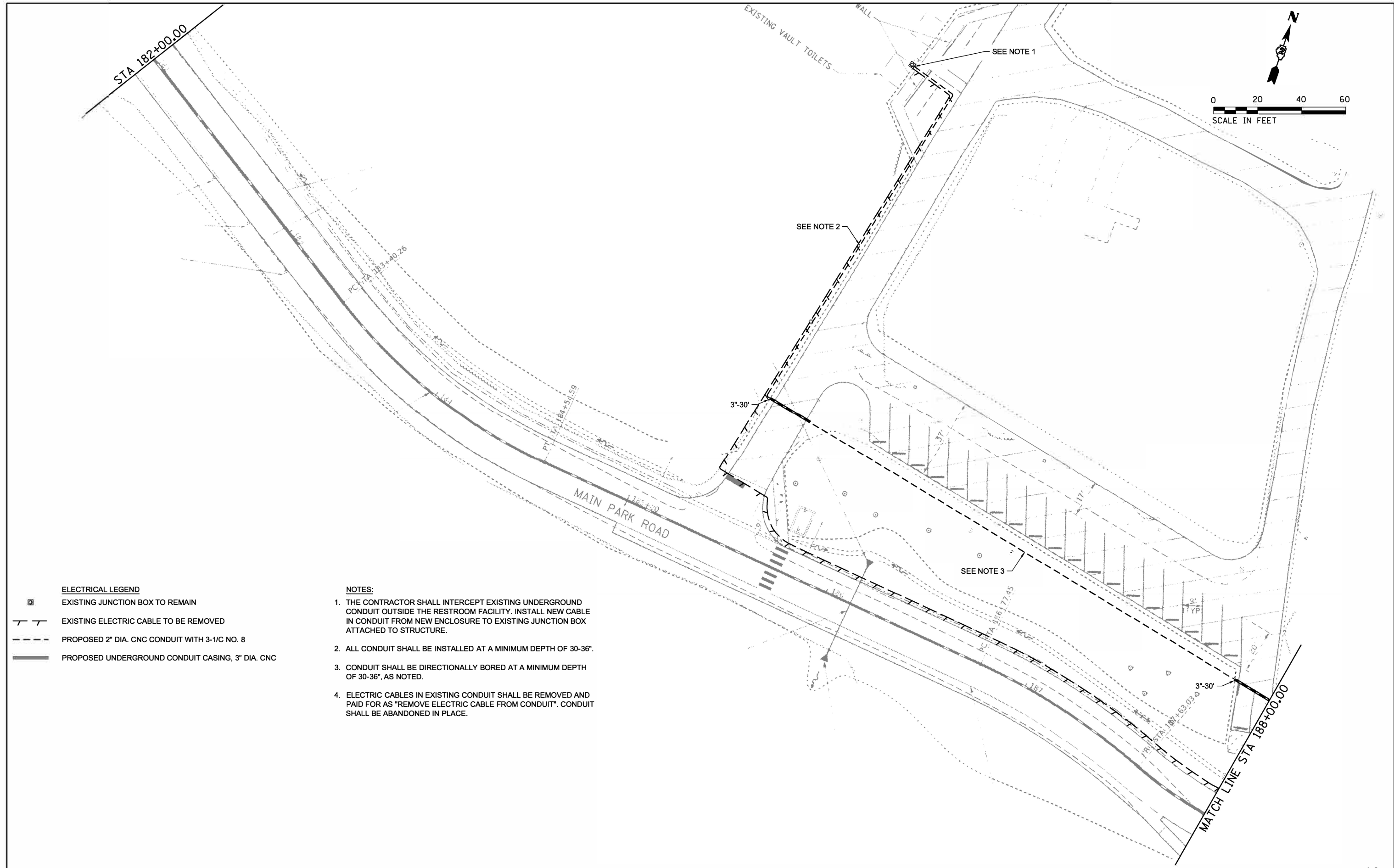
- 821101-02 LUMINAIRE WIRING IN POLE
- 830001-03 LIGHT POLE ALUMINUM MAST ARM
- 836001-04 LIGHT POLE FOUNDATION

INDEX OF SHEETS

- L-1 INDEX OF SHEETS AND SUMMARY OF QUANTITIES
- L-2 PROPOSED ELECTRICAL PLAN
- L-3 PROPOSED ELECTRICAL PLAN
- L-4 PROPOSED ELECTRICAL PLAN
- L-5 PROPOSED ELECTRICAL PLAN
- L-6 PROPOSED ELECTRICAL PLAN
- L-7 ELECTRICAL DETAILS
- L-8 ELECTRICAL DETAILS
- L-9 ELECTRICAL DETAILS

L-1

FILE NAME = D246906-11ghtl.dgn	USER NAME = bbarr	DESIGNED -	REVISED -	<b>STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION</b>	<b>INDEX OF SHEETS AND SUMMARY OF QUANTITIES</b>			F.A.U RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	
		PLOT SCALE = 40.0000' / in.	CHECKED -		REVISED -	SCALE: NTS			SHEET	OF	SHEETS	STA.	TO STA.
		PLOT DATE = 10/24/2019	DATE -		REVISED -				ILLINOIS CONTRACT NO. 46906				



- ELECTRICAL LEGEND**
- EXISTING JUNCTION BOX TO REMAIN
  - EXISTING ELECTRIC CABLE TO BE REMOVED
  - PROPOSED 2" DIA. CNC CONDUIT WITH 3-1/2" NO. 8
  - PROPOSED UNDERGROUND CONDUIT CASING, 3" DIA. CNC

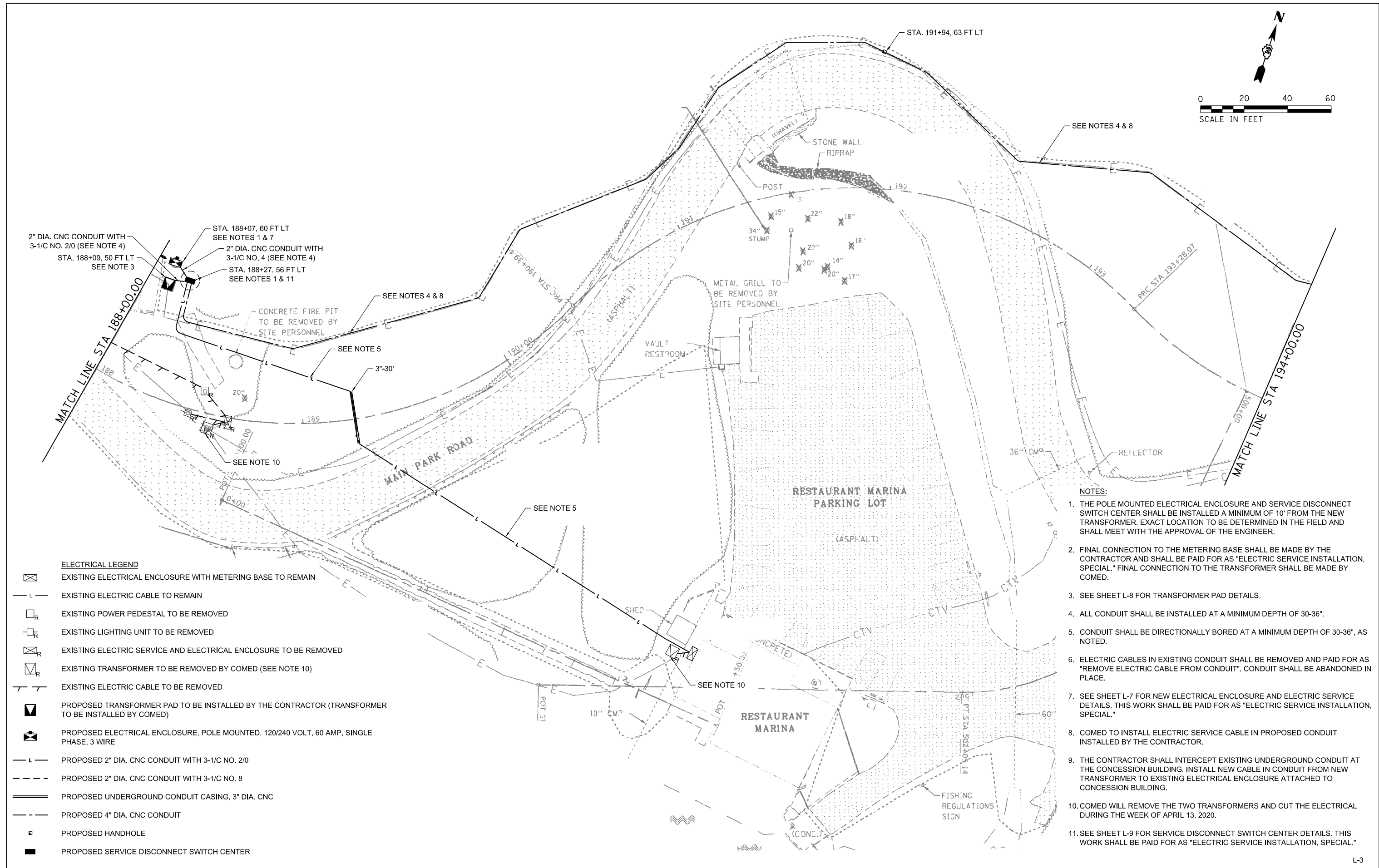
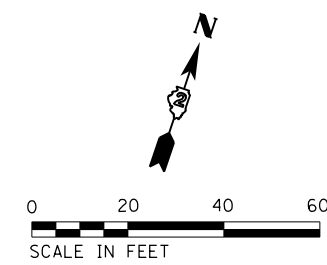
- NOTES:**
1. THE CONTRACTOR SHALL INTERCEPT EXISTING UNDERGROUND CONDUIT OUTSIDE THE RESTROOM FACILITY. INSTALL NEW CABLE IN CONDUIT FROM NEW ENCLOSURE TO EXISTING JUNCTION BOX ATTACHED TO STRUCTURE.
  2. ALL CONDUIT SHALL BE INSTALLED AT A MINIMUM DEPTH OF 30-36".
  3. CONDUIT SHALL BE DIRECTIONALLY BORED AT A MINIMUM DEPTH OF 30-36", AS NOTED.
  4. ELECTRIC CABLES IN EXISTING CONDUIT SHALL BE REMOVED AND PAID FOR AS "REMOVE ELECTRIC CABLE FROM CONDUIT". CONDUIT SHALL BE ABANDONED IN PLACE.

FILE NAME = D246906-1.ghs2.dgn	USER NAME = bbarr	DESIGNED -	REVISED -
		DRAWN -	REVISED -
	PLOT SCALE = 48.0000' / in.	CHECKED -	REVISED -
	PLOT DATE = 10/24/2019	DATE -	REVISED -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

<b>PROPOSED ELECTRICAL PLAN</b>			
SCALE: 1"=20'	SHEET	OF SHEETS	STA. TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
			308	186
			CONTRACT NO. 46906	
ILLINOIS				



2" DIA. CNC CONDUIT WITH 3-1/2 NO. 2/0 (SEE NOTE 4)  
 STA. 188+09, 50 FT LT  
 SEE NOTE 3

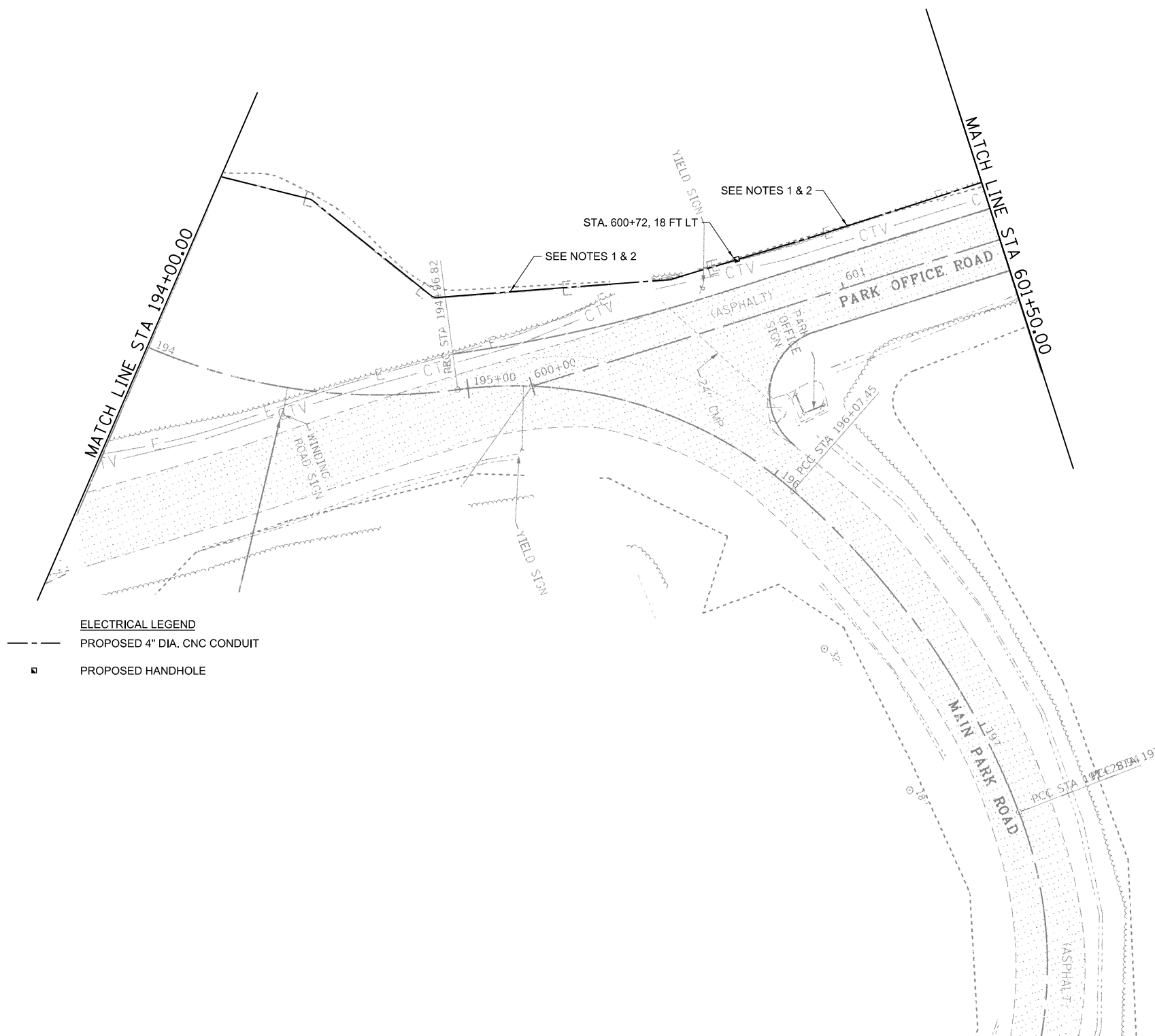
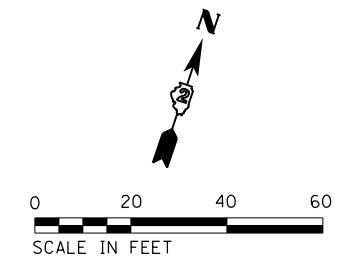
STA. 188+07, 60 FT LT  
 SEE NOTES 1 & 7

2" DIA. CNC CONDUIT WITH 3-1/2 NO. 4 (SEE NOTE 4)  
 STA. 188+27, 56 FT LT  
 SEE NOTES 1 & 11

- ELECTRICAL LEGEND**
- EXISTING ELECTRICAL ENCLOSURE WITH METERING BASE TO REMAIN
  - EXISTING ELECTRIC CABLE TO REMAIN
  - EXISTING POWER PEDESTAL TO BE REMOVED
  - EXISTING LIGHTING UNIT TO BE REMOVED
  - EXISTING ELECTRIC SERVICE AND ELECTRICAL ENCLOSURE TO BE REMOVED
  - EXISTING TRANSFORMER TO BE REMOVED BY COMED (SEE NOTE 10)
  - EXISTING ELECTRIC CABLE TO BE REMOVED
  - PROPOSED TRANSFORMER PAD TO BE INSTALLED BY THE CONTRACTOR (TRANSFORMER TO BE INSTALLED BY COMED)
  - PROPOSED ELECTRICAL ENCLOSURE, POLE MOUNTED, 120/240 VOLT, 60 AMP, SINGLE PHASE, 3 WIRE
  - PROPOSED 2" DIA. CNC CONDUIT WITH 3-1/2 NO. 2/0
  - PROPOSED 2" DIA. CNC CONDUIT WITH 3-1/2 NO. 8
  - PROPOSED UNDERGROUND CONDUIT CASING, 3" DIA. CNC
  - PROPOSED 4" DIA. CNC CONDUIT
  - PROPOSED HANDHOLE
  - PROPOSED SERVICE DISCONNECT SWITCH CENTER

- NOTES:**
1. THE POLE MOUNTED ELECTRICAL ENCLOSURE AND SERVICE DISCONNECT SWITCH CENTER SHALL BE INSTALLED A MINIMUM OF 10' FROM THE NEW TRANSFORMER. EXACT LOCATION TO BE DETERMINED IN THE FIELD AND SHALL MEET WITH THE APPROVAL OF THE ENGINEER.
  2. FINAL CONNECTION TO THE METERING BASE SHALL BE MADE BY THE CONTRACTOR AND SHALL BE PAID FOR AS "ELECTRIC SERVICE INSTALLATION, SPECIAL." FINAL CONNECTION TO THE TRANSFORMER SHALL BE MADE BY COMED.
  3. SEE SHEET L-8 FOR TRANSFORMER PAD DETAILS.
  4. ALL CONDUIT SHALL BE INSTALLED AT A MINIMUM DEPTH OF 30-36".
  5. CONDUIT SHALL BE DIRECTIONALLY BORED AT A MINIMUM DEPTH OF 30-36", AS NOTED.
  6. ELECTRIC CABLES IN EXISTING CONDUIT SHALL BE REMOVED AND PAID FOR AS "REMOVE ELECTRIC CABLE FROM CONDUIT". CONDUIT SHALL BE ABANDONED IN PLACE.
  7. SEE SHEET L-7 FOR NEW ELECTRICAL ENCLOSURE AND ELECTRIC SERVICE DETAILS. THIS WORK SHALL BE PAID FOR AS "ELECTRIC SERVICE INSTALLATION, SPECIAL."
  8. COMED TO INSTALL ELECTRIC SERVICE CABLE IN PROPOSED CONDUIT INSTALLED BY THE CONTRACTOR.
  9. THE CONTRACTOR SHALL INTERCEPT EXISTING UNDERGROUND CONDUIT AT THE CONCESSION BUILDING. INSTALL NEW CABLE IN CONDUIT FROM NEW TRANSFORMER TO EXISTING ELECTRICAL ENCLOSURE ATTACHED TO CONCESSION BUILDING.
  10. COMED WILL REMOVE THE TWO TRANSFORMERS AND CUT THE ELECTRICAL DURING THE WEEK OF APRIL 13, 2020.
  11. SEE SHEET L-9 FOR SERVICE DISCONNECT SWITCH CENTER DETAILS. THIS WORK SHALL BE PAID FOR AS "ELECTRIC SERVICE INSTALLATION, SPECIAL."

FILE NAME = D246906-1.rvt	USER NAME = bbarr	DESIGNED - DRAWN -	REVISED - REVISED -	<b>STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION</b>	<b>PROPOSED ELECTRICAL PLAN</b>				F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	PLOT SCALE = 48.0000' / in.	CHECKED -	REVISED -		SCALE: 1"=20'	SHEET	OF	SHEETS	STA.	TO	STA.	308	187
	PLOT DATE = 10/24/2019	DATE -	REVISED -						ILLINOIS		CONTRACT NO. 46906		



- ELECTRICAL LEGEND**
- PROPOSED 4" DIA. CNC CONDUIT
  - PROPOSED HANDHOLE

- NOTES:**
1. ALL CONDUIT SHALL BE INSTALLED AT A MINIMUM DEPTH OF 30-36".
  2. COMED TO INSTALL ELECTRIC SERVICE CABLE IN PROPOSED CONDUIT INSTALLED BY THE CONTRACTOR.

L-4

FILE NAME = D246906-1.rgt4.dgn	USER NAME = bbarr	DESIGNED -	REVISED -	<b>STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION</b>	<b>PROPOSED ELECTRICAL PLAN</b>			F.A.U RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	
	PLOT SCALE = 40.0000' / in.	CHECKED -	REVISED -								308	188	
	PLOT DATE = 10/24/2019	DATE -	REVISED -		SCALE: 1"=20'	SHEET	OF	SHEETS	STA.	TO	STA.	ILLINOIS	CONTRACT NO. 46906





# 1-PH COMPT TR PAD - ESS/RSS

SIZE OF TRANSFORMER (12)  
 C5288.A TO 167KVA  
 167KVA MAXIMUM CAPACITY

ITEM	CAT ID	DESCRIPTION	TABLE-1	CAT ID	UNIT	QUANTITY
A		GROUNDING INSTALLATION	C8550_GO	(1)		1
C		WIRE, COPPER, OVERHEAD, BARE, 1/0, 19 STR, SOFT DRAWN TINNED, 3		(1)	0000355082 FT	35
D		CONNECTOR, COMPRESSION, 1/0 OR 2/0 STR CU. RUN & TAP, BURNDY C			0000368545 EA	1

**NOTES:**

**APPLICATION**

- THIS STANDARD SHALL BE USED FOR THE INSTALLATION OF AN ELECTRIC OR RESIDENTIAL SERVICE STATION FOUNDATION AS DESCRIBED IN "ComEd's GENERAL TERMS AND CONDITIONS".

**SUPPLEMENTARY MATERIAL**

- (1) WHEN BARE LEAD COVERED CABLES ARE LOCATED OR PLANNED WITHIN 200 FEET, OMIT ITEM "C" AND REPLACE WITH 1/0 LEAD CLAD COPPER CONDUCTOR (CATID 0000360809). SPECIFY STAINLESS STEEL GROUNDS PER C8550.CGO.
- (2) PRECAST ALTERNATIVES TO THIS POURED DESIGN MAY BE AVAILABLE. CONTACT CONSTRUCTION STANDARDS GROUP.

**INFORMATION**

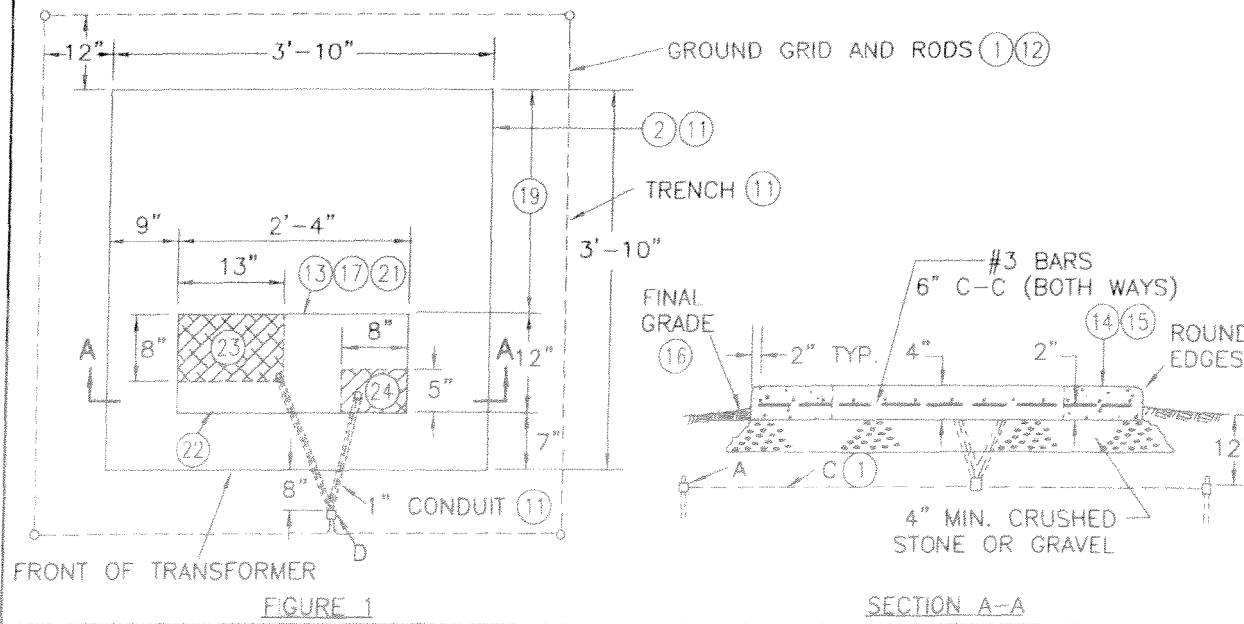
- (1) THE CUSTOMER TO INSTALL THE TRANSFORMER FOUNDATION, 1 INCH CONDUITS, AND TRENCH FOR ComEd GROUND WIRE.
- (2) ComEd TO PROVIDE AND INSTALL THE GROUND WIRE AND GRID.
- (3) AFTER PRIMARY AND SECONDARY CONDUITS ARE IN PLACE, BACKFILL WITH SCREENINGS, SAND, OR FINE EXCAVATED MATERIAL. COMPACT THOROUGHLY BEFORE POURING FOUNDATION.
- (4) CONCRETE TO BE IN ACCORDANCE WITH THE LATEST EDITION OF THE APPLICABLE ACI CODE AND AIR ENTRAINED. IT SHALL HAVE A MINIMUM COMPRESSIVE STRENGTH OF 3000 PSI AT 28 DAYS. AIR ENTRAINMENT SHALL BE 4 TO 7 PERCENT OF THE VOLUME OF CONCRETE.

- (13) TOP OF FOUNDATION TO BE SMOOTH AND LEVEL.
- (16) GRADE AWAY FROM FOUNDATION. FINAL GRADE SHALL BE WELL DRAINED AT ALL TIMES.
- (17) PRIMARY AND SECONDARY CONDUIT MUST COME THROUGH FOUNDATION IN DESIGNATED AREAS.
- (18) SEE C7723 FOR BURNDY-HUSKY DIE SET CROSS REFERENCE.
- (19) DO NOT PLACE CONDUITS UNDER THIS SECTION OF FOUNDATION IF AVOIDABLE.
- (20) DO NOT DISTURB EARTH IN FOUNDATION AREA MORE THAN NECESSARY WHEN INSTALLING CONDUIT.
- (21) TERMINATE PRIMARY AND SECONDARY CONDUITS FLUSH WITH TOP OF FOUNDATION.
- (22) BOX OUT CONDUIT OPENING.
- (23) SECONDARY CONDUIT LOCATION.
- (24) PRIMARY CONDUIT LOCATION.
- (25) CONSULT SPILL PREVENTION, CONTROL AND COUNTERMEASURES (SPCC) PROGRAM OR ENVIRONMENTAL SERVICES IF TOTAL OIL CAPACITY EQUAL TO OR EXCEEDING 1320 GALLONS EXISTS OR IS PLANNED AT ESS/RSS SITE.

ITEM	TOOL & DIE	NO. OF CRIMPS
	Y-35	
D	U-O	1
	U-E	3



NORTH ARROW



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**Exelon** SYSTEM STANDARD  
 Energy Delivery

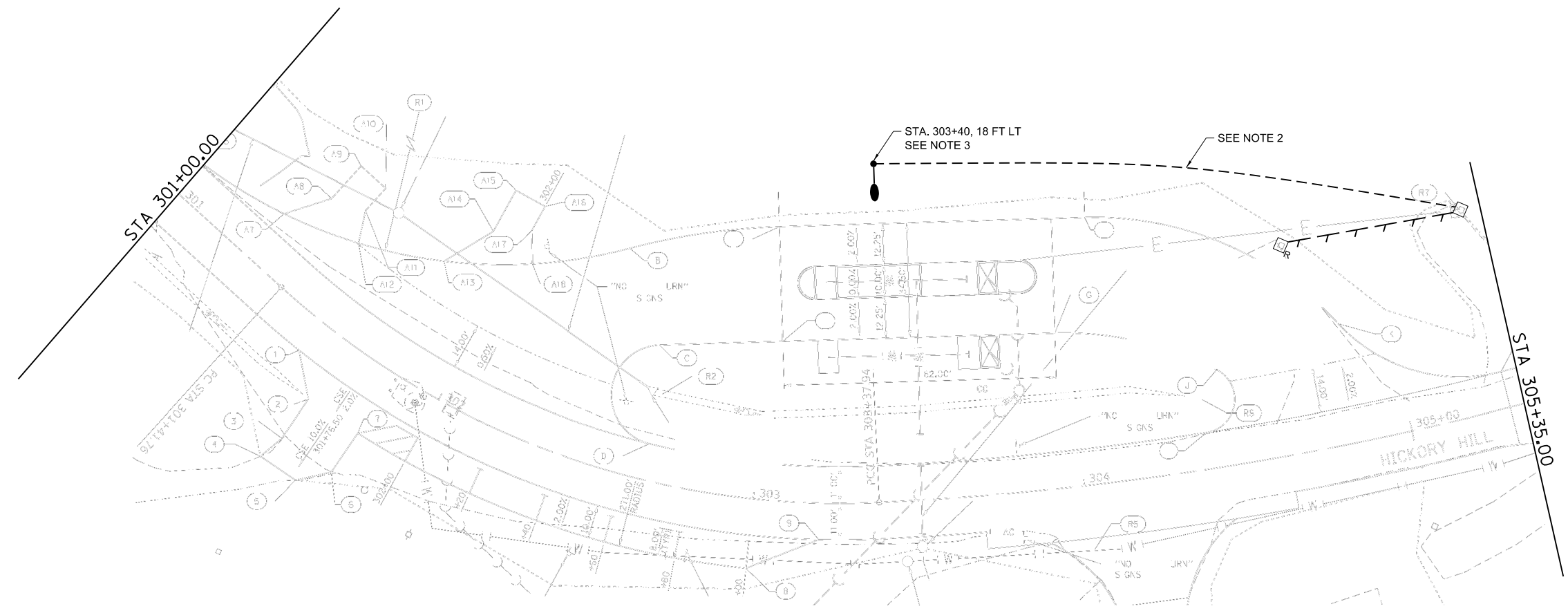
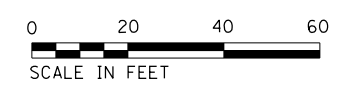
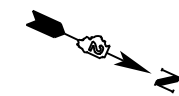
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		DRAWN -	REVISED -
		CHECKED -	REVISED -
		DATE -	REVISED -

STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION

ELECTRICAL DETAILS

SCALE: SHEET OF SHEETS STA. TO STA.

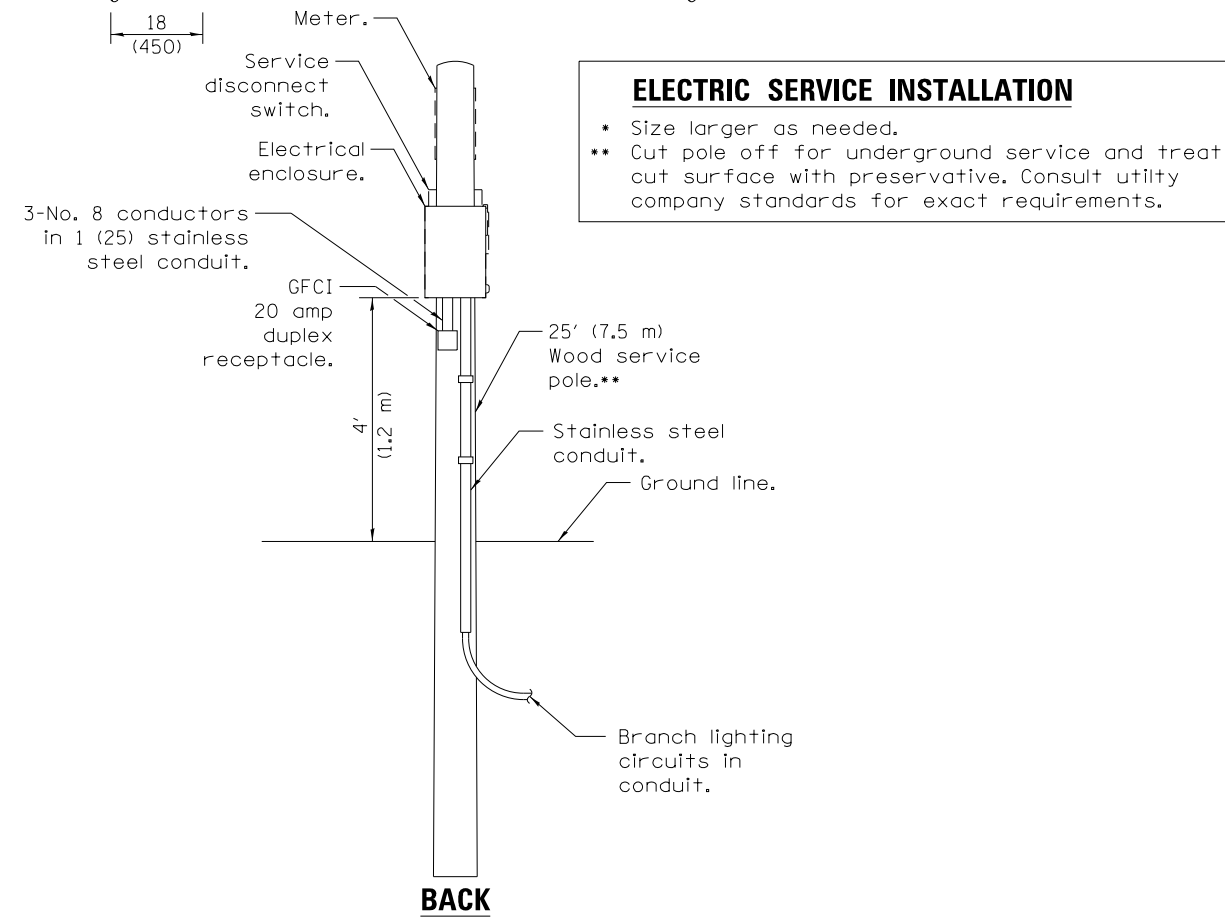
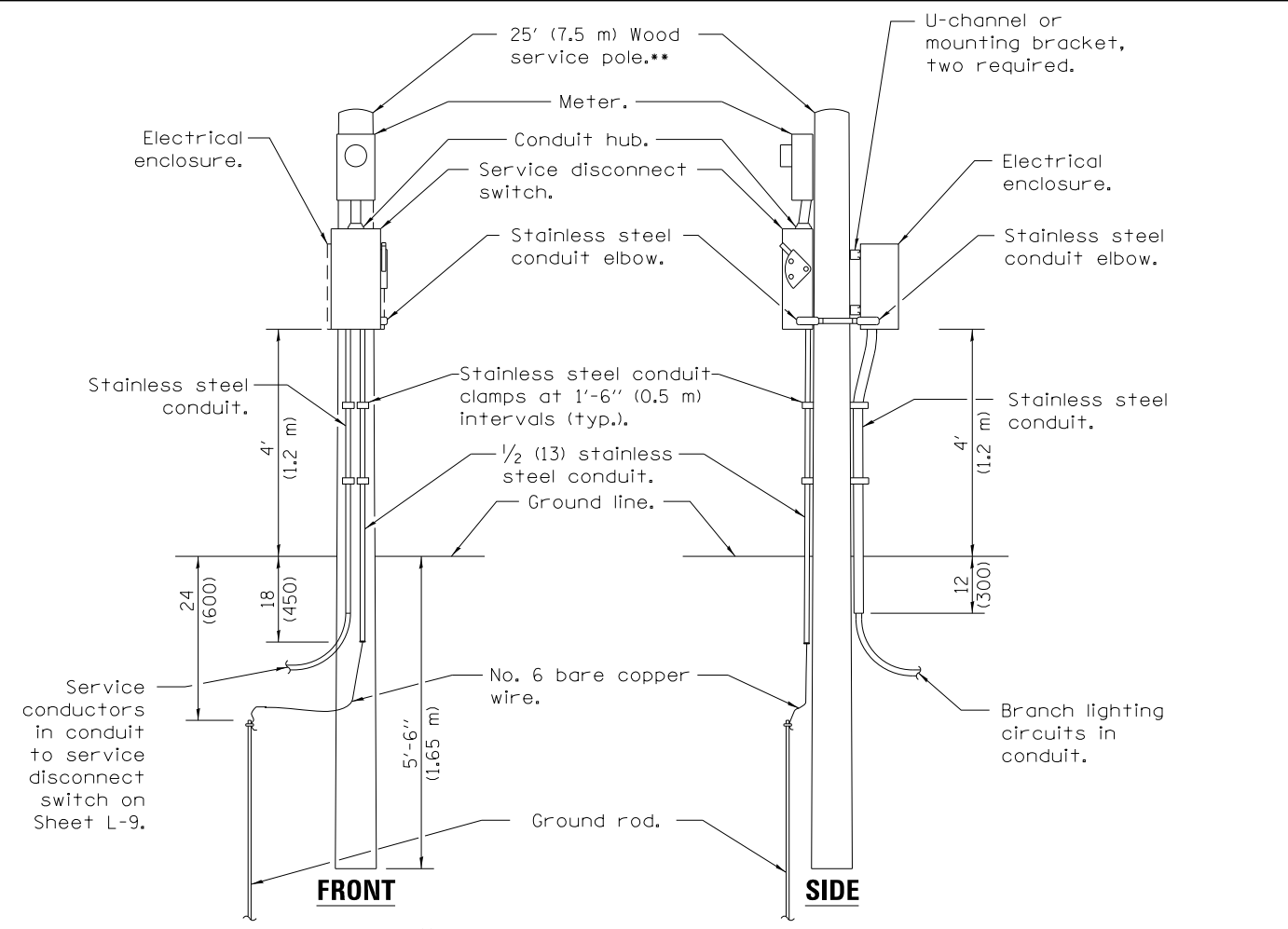
F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
			308	190
ILLINOIS			CONTRACT NO.	



- ELECTRICAL LEGEND**
- EXISTING POWER PEDESTAL TO BE REMOVED
  - EXISTING POWER PEDESTAL TO REMAIN
  - EXISTING ELECTRIC CABLE TO BE REMOVED
  - PROPOSED 2" DIA. CNC CONDUIT WITH 3-1/C NO. 8
  - PROPOSED LIGHTING UNIT  
BLACK ANODIZED ALUMINUM, 30' M.H., 1' PIPE STUB ARM,  
LUMINAIRE, LED, 120V, WITH 11-1/2" B.C. ON 8-5/8" X 6"  
METAL FOUNDATION

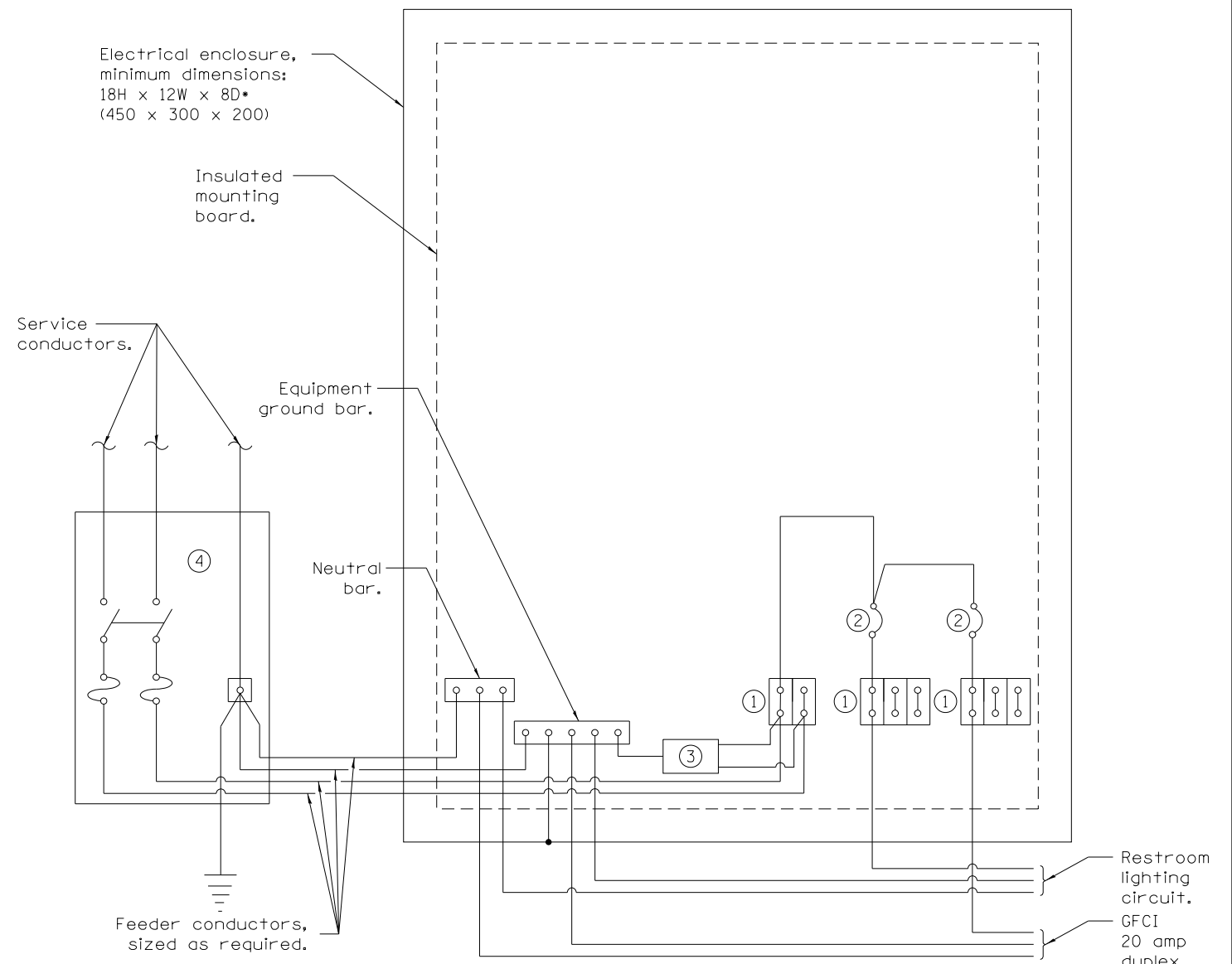
- NOTES:**
1. ELECTRIC CABLES IN EXISTING CONDUIT SHALL BE REMOVED AND PAID FOR AS "REMOVE ELECTRIC CABLE FROM CONDUIT". CONDUIT SHALL BE ABANDONED IN PLACE.
  2. ALL CONDUIT SHALL BE INSTALLED AT A MINIMUM DEPTH OF 30-36".
  3. PROPOSED LIGHTING UNIT SHALL BE INSTALLED AT A MINIMUM SETBACK OF 18' FROM EDGE OF TRAVELED PAVEMENT (OFFSET IS MEASURED FROM EDGE OF TRAVELED PAVEMENT). EXACT LOCATION TO BE DETERMINED IN THE FIELD AND SHALL MEET WITH THE APPROVAL OF THE ENGINEER.

FILE NAME = D246906-1.gh16.dgn	USER NAME = bbarr	DESIGNED -	REVISED -	<b>STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION</b>	<b>PROPOSED ELECTRICAL PLAN</b>			F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	PLOT SCALE = 48.0000' / in.	CHECKED -	REVISED -					ILLINOIS	CONTRACT NO. 46906			
PLOT DATE = 10/24/2019	DATE -	REVISED -	REVISED -	SCALE: 1"=20'	SHEET	OF	SHEETS	STA.	TO	STA.		



**ELECTRIC SERVICE INSTALLATION**

- \* Size larger as needed.
- \*\* Cut pole off for underground service and treat cut surface with preservative. Consult utility company standards for exact requirements.



- CONTROL SCHEMATIC**
- Terminal block sized for conductors as shown on plans.
  - 20 amp\*, 1-pole circuit breaker (two spares required but not shown).
  - Surge arrester.
  - Service disconnect switch - 2-pole, 3-wire, 60 amp\*, fused at 60 amp\*, solid neutral in NEMA 4X enclosure having lockable external handle.
- \* Size larger as needed.

**CONTROL SCHEMATIC**

**GENERAL NOTES**

- Provide 12x9x1 (305x225x25) watertight pouch mounted inside enclosure door with as-built plans and schematics.
- Enclosure shall be mounted to pole with pole-bands and lag-bolts.
- Work pad not shown.
- All dimensions are in inches (millimeters) unless otherwise shown.

FILE NAME = D246906-1.rvt	USER NAME = bbarr	DESIGNED -	REVISED -	<b>STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION</b>	<b>ELECTRICAL DETAILS</b>			F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	
		DRAWN -	REVISED -		SCALE: NTS	SHEET	OF	SHEETS	STA.	TO	STA.	308	190b
		CHECKED -	REVISED -		CONTRACT NO. 46906								
		DATE -	REVISED -		ILLINOIS								

# 1-PH COMPT TR PAD - ESS/RSS

SIZE OF TRANSFORMER (12)  
 C5288A TO 167KVA  
 167KVA MAXIMUM CAPACITY

ITEM	CAT ID	DESCRIPTION	TABLE-1	CAT ID	UNIT	QUANTITY
A		GROUNDING INSTALLATION	C8550_GO	(1)		1
C		WIRE, COPPER, OVERHEAD, BARE, 1/0, 19 STR, SOFT DRAWN TINNED, 3		(1)	0000355082 FT	35
D		CONNECTOR, COMPRESSION, 1/0 OR 2/0 STR CU. RUN & TAP, BURNDY C			0000368545 EA	1

**NOTES:**

**APPLICATION**

- THIS STANDARD SHALL BE USED FOR THE INSTALLATION OF AN ELECTRIC OR RESIDENTIAL SERVICE STATION FOUNDATION AS DESCRIBED IN "ComEd's GENERAL TERMS AND CONDITIONS".

**SUPPLEMENTARY MATERIAL**

- (1) WHEN BARE LEAD COVERED CABLES ARE LOCATED OR PLANNED WITHIN 200 FEET, OMIT ITEM "C" AND REPLACE WITH 1/0 LEAD CLAD COPPER CONDUCTOR (CATID 0000360809). SPECIFY STAINLESS STEEL GROUNDS PER C8550.CGO.
- (2) PRECAST ALTERNATIVES TO THIS POURED DESIGN MAY BE AVAILABLE. CONTACT CONSTRUCTION STANDARDS GROUP.

**INFORMATION**

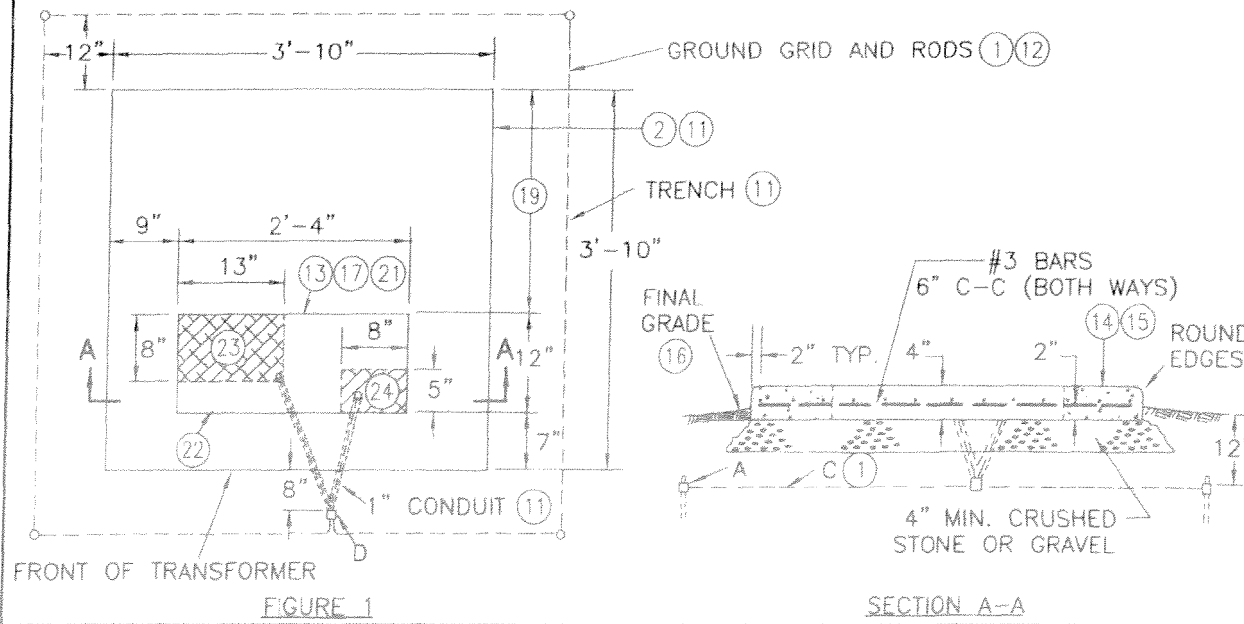
- (1) THE CUSTOMER TO INSTALL THE TRANSFORMER FOUNDATION, 1 INCH CONDUITS, AND TRENCH FOR ComEd GROUND WIRE.
- (2) ComEd TO PROVIDE AND INSTALL THE GROUND WIRE AND GRID.
- (3) AFTER PRIMARY AND SECONDARY CONDUITS ARE IN PLACE, BACKFILL WITH SCREENINGS, SAND, OR FINE EXCAVATED MATERIAL. COMPACT THOROUGHLY BEFORE POURING FOUNDATION.
- (4) CONCRETE TO BE IN ACCORDANCE WITH THE LATEST EDITION OF THE APPLICABLE ACI CODE AND AIR ENTRAINED. IT SHALL HAVE A MINIMUM COMPRESSIVE STRENGTH OF 3000 PSI AT 28 DAYS. AIR ENTRAINMENT SHALL BE 4 TO 7 PERCENT OF THE VOLUME OF CONCRETE.

- (13) TOP OF FOUNDATION TO BE SMOOTH AND LEVEL.
- (16) GRADE AWAY FROM FOUNDATION. FINAL GRADE SHALL BE WELL DRAINED AT ALL TIMES.
- (17) PRIMARY AND SECONDARY CONDUIT MUST COME THROUGH FOUNDATION IN DESIGNATED AREAS.
- (18) SEE C7723 FOR BURNDY-HUSKY DIE SET CROSS REFERENCE.
- (19) DO NOT PLACE CONDUITS UNDER THIS SECTION OF FOUNDATION IF AVOIDABLE.
- (20) DO NOT DISTURB EARTH IN FOUNDATION AREA MORE THAN NECESSARY WHEN INSTALLING CONDUIT.
- (21) TERMINATE PRIMARY AND SECONDARY CONDUITS FLUSH WITH TOP OF FOUNDATION.
- (22) BOX OUT CONDUIT OPENING.
- (23) SECONDARY CONDUIT LOCATION.
- (24) PRIMARY CONDUIT LOCATION.
- (25) CONSULT SPILL PREVENTION, CONTROL AND COUNTERMEASURES (SPCC) PROGRAM OR ENVIRONMENTAL SERVICES IF TOTAL OIL CAPACITY EQUAL TO OR EXCEEDING 1320 GALLONS EXISTS OR IS PLANNED AT ESS/RSS SITE.

ITEM	TOOL & DIE	NO. OF CRIMPS
	Y-35	
D	U-O	1
	U-E	3



NORTH ARROW



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**Exelon** Energy Delivery SYSTEM STANDARD  
 ACAA

FILE NAME = D246906-1.rgt8.dgn	USER NAME = bbarr	DESIGNED -	REVISED -
		DRAWN -	REVISED -
	PLOT SCALE = 48.0000' / in.	CHECKED -	REVISED -
	PLOT DATE = 10/24/2019	DATE -	REVISED -

STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION

ELECTRICAL DETAILS

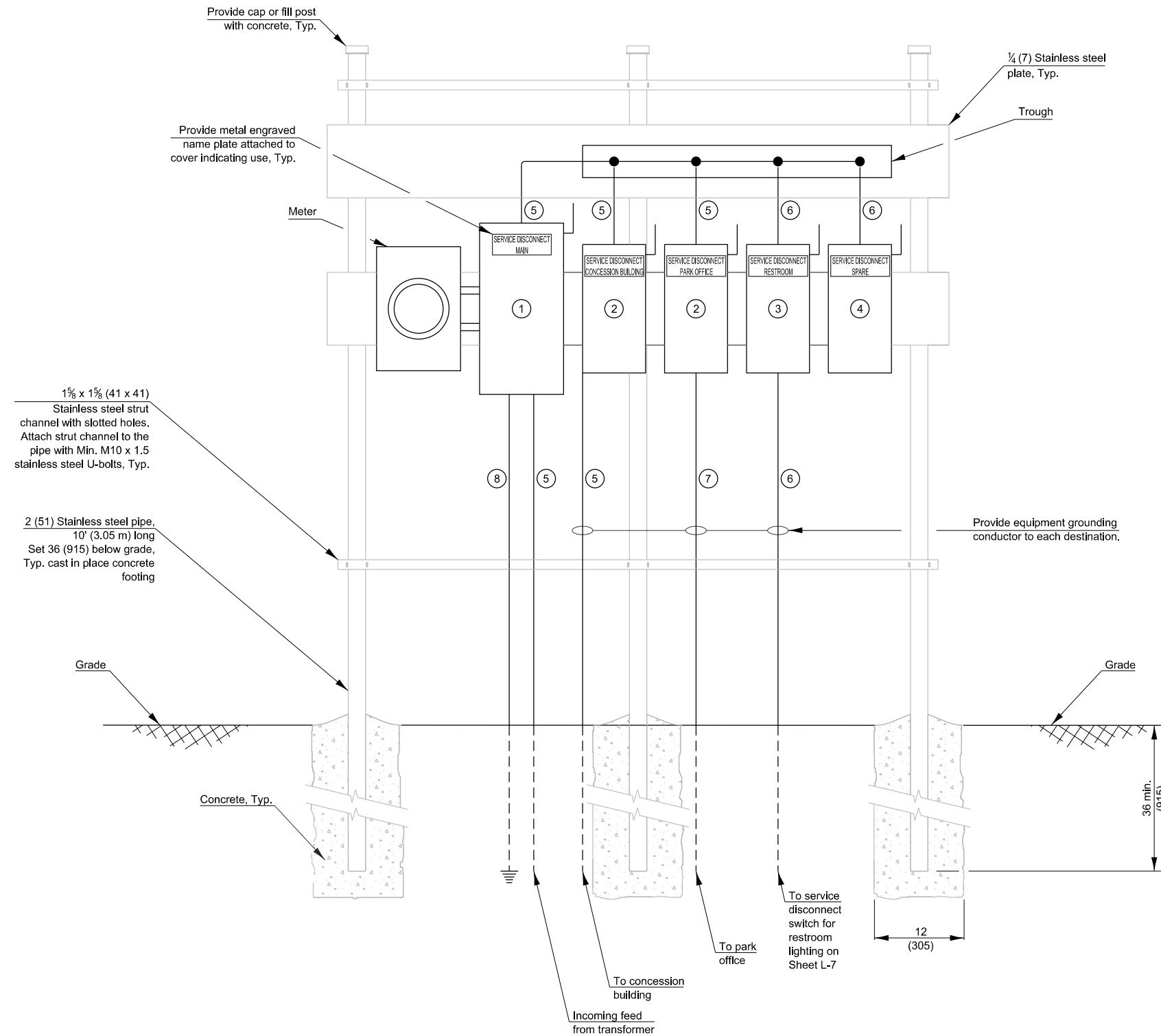
SCALE: NTS SHEET OF SHEETS STA. TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
			308	190c
			CONTRACT NO. 46906	
ILLINOIS				

- ① Service disconnect switch - 2-pole, 3-wire, 200 amp, non-fusible, solid neutral in NEMA 4X, stainless steel 304 enclosure having lockable external handle.
- ② Service disconnect switch - 2-pole, 3-wire, 100 amp, fusible, solid neutral in NEMA 4X, stainless steel 304 enclosure having lockable external handle.
- ③ Service disconnect switch - 2-pole, 3-wire, 60 amp, fusible, solid neutral in NEMA 4X, stainless steel 304 enclosure having lockable external handle.
- ④ (Spare) Service disconnect switch - 2-pole, 3-wire, 60 amp, fusible, solid neutral in NEMA 4X, stainless steel 304 enclosure having lockable external handle.
- ⑤ 2 (51) Stainless steel conduit with 3-1/2 No. 2/0 conductors.
- ⑥ 2 (51) Stainless steel conduit with 3-1/2 No. 4 conductors.
- ⑦ 4 (102) Stainless steel conduit.
- ⑧ 1/2 (13) Stainless steel conduit with No. 6 bare copper grounding electrode conductor to ground rod.

**GENERAL NOTES**

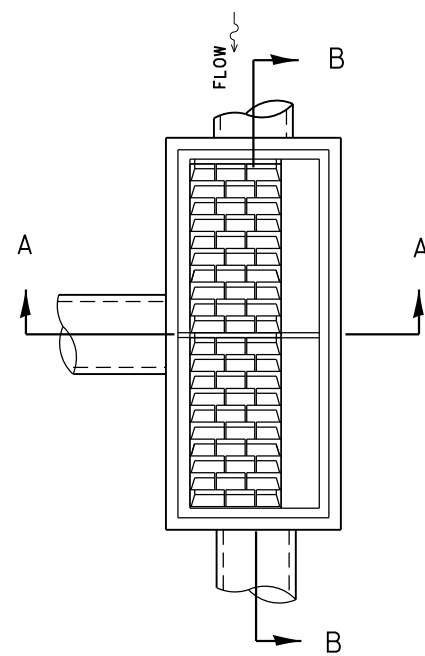
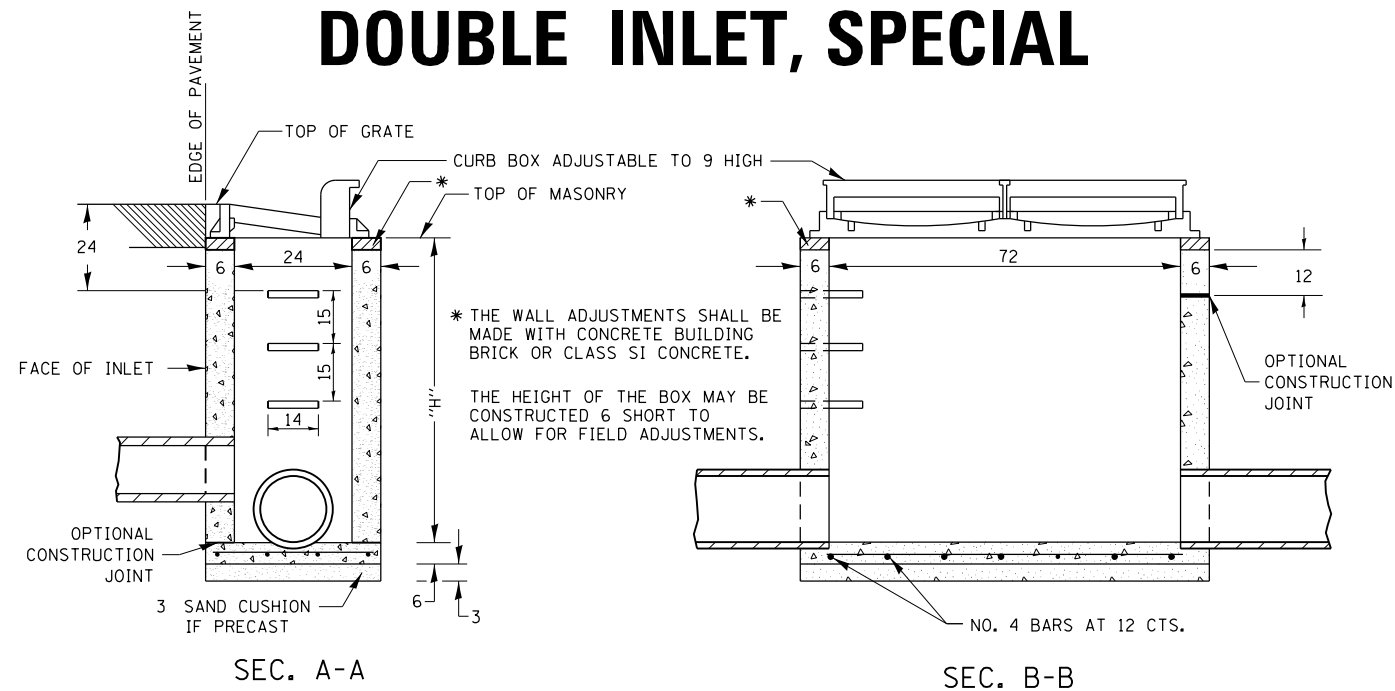
- 1. All dimensions are in inches (millimeters) unless otherwise shown.
- 2. Stainless steel conduits, conduit fittings, clamps, and appurtenances shall be utilized where attached to steel structural supports or where attached to concrete structures. Threaded joints between dissimilar metals shall be coated with an approved thread lubricant.
- 3. Verify exact requirements with utility company.



FILE NAME = D246906-1.rvt	USER NAME = bbarr	DESIGNED -	REVISED -	<b>STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION</b>	<b>ELECTRICAL DETAILS</b>			F.A.U RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
		DRAWN -	REVISED -								308	190d
		CHECKED -	REVISED -								CONTRACT NO. 46906	
		DATE -	REVISED -					SCALE: 1"=20'	SHEET	OF	SHEETS	STA.



# DOUBLE INLET, SPECIAL



**NOTES**

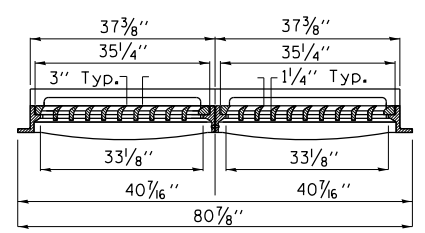
SEE STANDARD 602701 FOR DETAILS OF STEPS.

EXCEPT AS NOTED HEREON DOUBLE INLET SPECIAL SHALL BE CONSTRUCTED IN ACCORDANCE WITH SECTION 602 OF THE STANDARD SPECIFICATIONS.

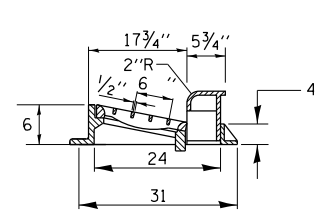
THE SIDE WALLS MAY BE BUILT AS PRECAST SEGMENTED SECTIONS.

ALL VOIDS AROUND PIPE ENTRANCE, BOTH INSIDE AND OUTSIDE, SHALL BE SEALED WITH MORTAR.

R-3295-2 DOUBLE UNIT STEPS SHALL BE OMITTED WHEN DEPTH OF "H" IS LESS THAN 5 FOOT.



SECTION B-B



SECTION A-A

## DETAIL OF FRAME & GRATE

**NOTES**

CLASS SI CONCRETE OR PRECAST CONCRETE SHALL BE USED THROUGHOUT. PRECAST CONCRETE SHALL BE IN ACCORDANCE WITH SECTION 504.01 THRU 504.05 OF THE STANDARD SPECIFICATIONS EXCEPT THAT CONCRETE STRENGTH SHALL BE 4,000 psi AFTER 28 DAYS.

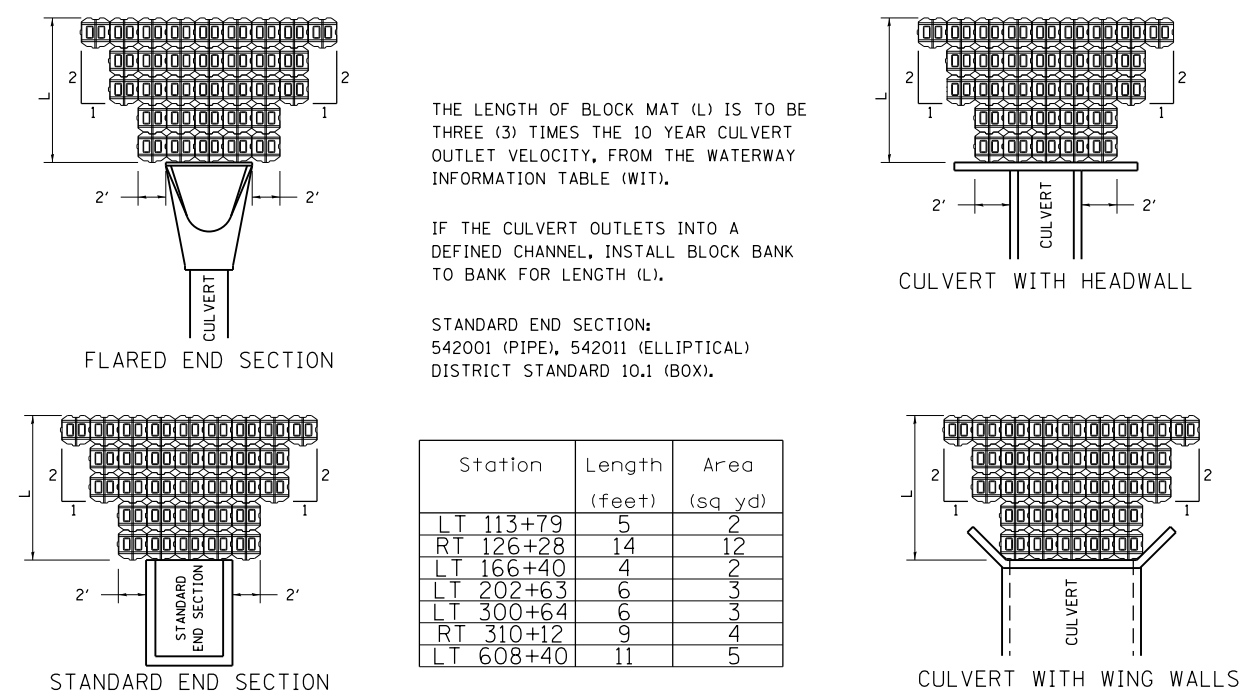
THE CONTRACT UNIT PRICE EACH FOR INLET SPECIAL SHALL INCLUDE THE COST OF CONSTRUCTING THE INLET BOX, FURNISHING AND INSTALLING THE FRAME AND GRATE, THE CAST IRON STEPS (IF USED), THE PRECAST FLOOR SLABS, SAND CUSHION (WHEN USED) AND REINFORCEMENT BARS.

REVISED - 7-16-15  
10-13-11

**DOUBLE INLET, SPECIAL 12.2**

ALL DIMENSIONS ARE IN INCHES UNLESS OTHERWISE NOTED.

# CONCRETE REVETMENT MAT AT END SECTIONS



THE LENGTH OF BLOCK MAT (L) IS TO BE THREE (3) TIMES THE 10 YEAR CULVERT OUTLET VELOCITY, FROM THE WATERWAY INFORMATION TABLE (WIT).

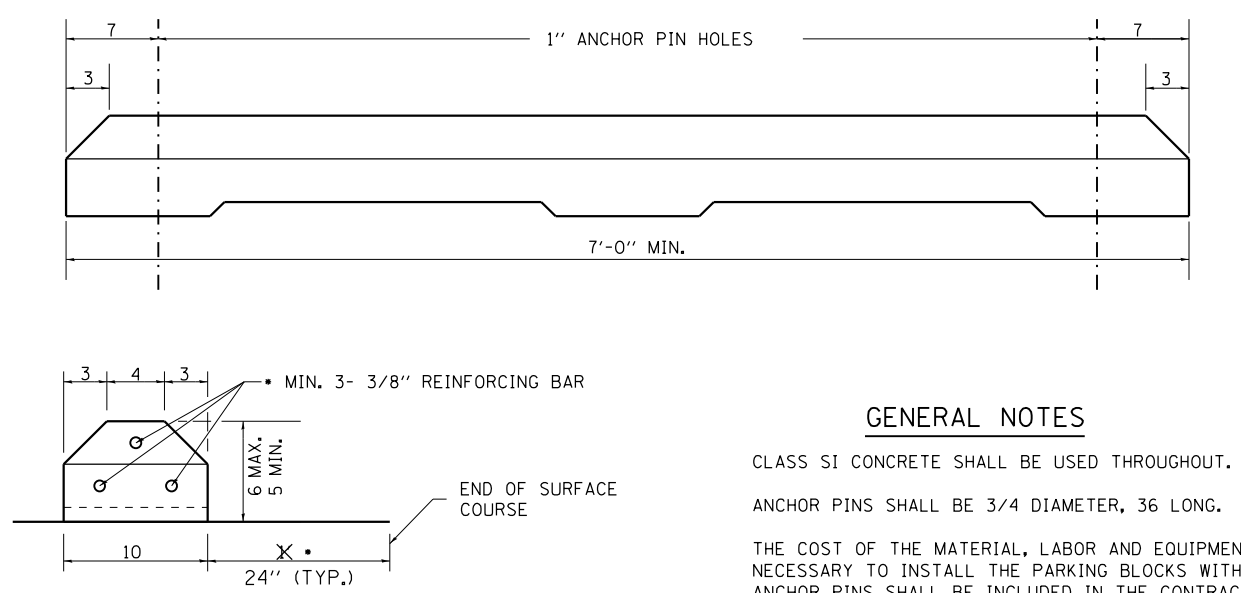
IF THE CULVERT OUTLETS INTO A DEFINED CHANNEL, INSTALL BLOCK BANK TO BANK FOR LENGTH (L).

STANDARD END SECTION:  
542001 (PIPE), 542011 (ELLIPTICAL)  
DISTRICT STANDARD 10.1 (BOX).

REVISED - 11-12-14

## CONCRETE REVETMENT MAT AT END SECTIONS 19.4a

# PARKING BLOCKS



**GENERAL NOTES**

CLASS SI CONCRETE SHALL BE USED THROUGHOUT.

ANCHOR PINS SHALL BE 3/4 DIAMETER, 36 LONG.

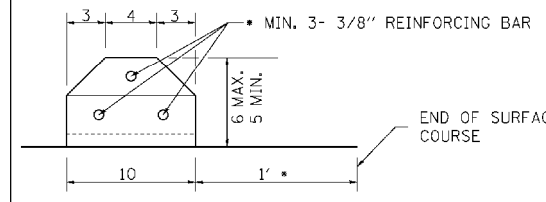
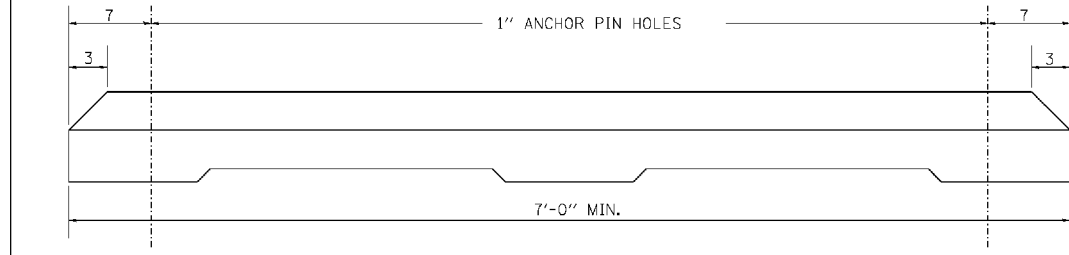
THE COST OF THE MATERIAL, LABOR AND EQUIPMENT NECESSARY TO INSTALL THE PARKING BLOCKS WITH ANCHOR PINS SHALL BE INCLUDED IN THE CONTRACT UNIT PRICE PER EACH FOR PARKING BLOCKS.

ALL DIMENSIONS ARE IN INCHES UNLESS OTHERWISE NOTED.

REVISED - 10-03-11

## PARKING BLOCKS 31.4

# PARKING BLOCKS



### GENERAL NOTES

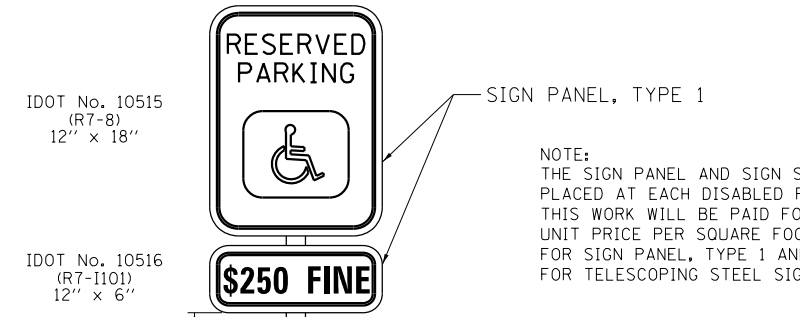
CLASS SI CONCRETE SHALL BE USED THROUGHOUT.  
 ANCHOR PINS SHALL BE 3/4 DIAMETER, 36 LONG.  
 THE COST OF THE MATERIAL, LABOR AND EQUIPMENT NECESSARY TO INSTALL THE PARKING BLOCKS WITH ANCHOR PINS SHALL BE INCLUDED IN THE CONTRACT UNIT PRICE PER EACH FOR PARKING BLOCKS.  
 ALL DIMENSIONS ARE IN INCHES UNLESS OTHERWISE NOTED.

PLOT DATE = 8/30/2019 9:55:45 AM

REVISED - 10-03-11	F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
REVISED -	<b>REGION 2 / DISTRICT 2 STANDARD</b>				
REVISED -	CONTRACT NO.				
REVISED -	SCALE: 1:20000' / in.	SHEET NO.	OF SHEETS	STA. TO STA.	FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT

**PARKING BLOCKS 31.4**

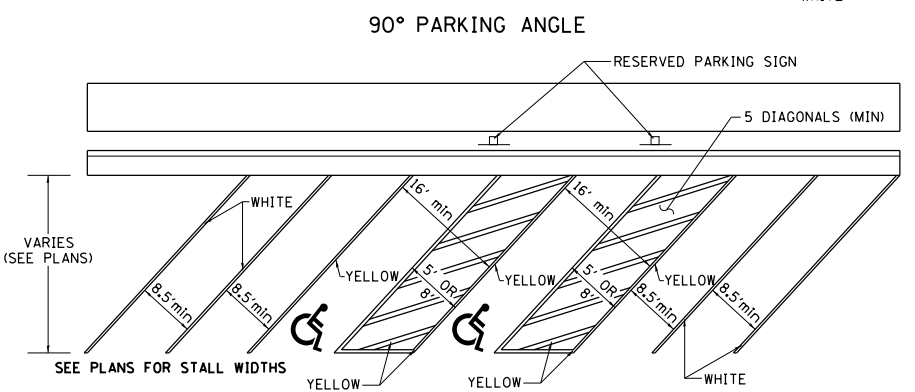
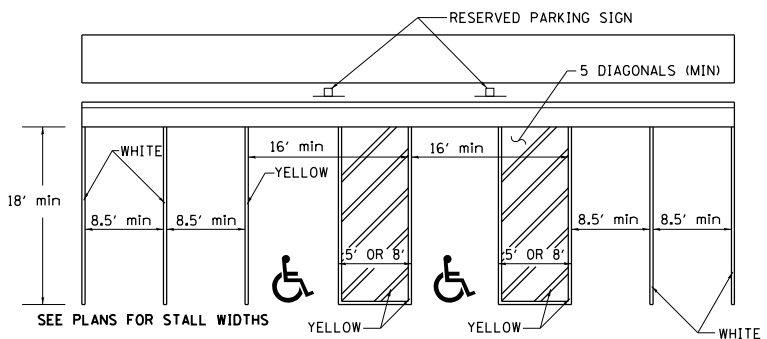
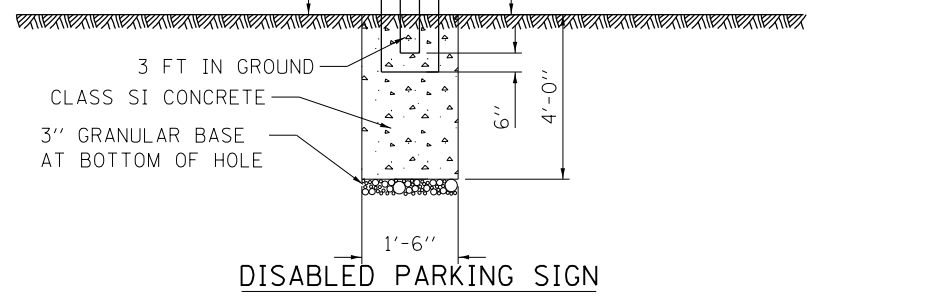
NOTE:  
 WHERE NOTED IN THE PLANS, A PIPE BOLLARD SHALL BE INSTALLED TO PROTECT THE SIGN SUPPORT.



NOTE:  
 THE SIGN PANEL AND SIGN SUPPORT SHALL BE PLACED AT EACH DISABLED PARKING STALL.  
 THIS WORK WILL BE PAID FOR AT THE CONTRACT UNIT PRICE PER SQUARE FOOT FOR SIGN PANEL, TYPE 1 AND PER FOOT FOR TELESCOPING STEEL SIGN SUPPORT.

X7280105  
 TELESCOPING SIGN SUPPORT SPECIAL  
 6" CONCRETE FILLED PIPE BOLLARD  
 (CLASS SI CONCRETE)

QUANTITIES  
 12 FT OF SIGN SUPPORT AND  
 2 SQ FT OF SIGN PANEL ARE  
 REQUIRED AT EACH LOCATION.



REVISED - 6-27-14  
 10-14-11

**DISABLED PARKING STRIPING**

**RESERVED PARKING SIGN DETAIL 44.2**

FILE NAME =	USER NAME = joeb	DESIGNED - D2	REVISED -
C - Details & Dist Stds.dgn		DRAWN - S.D.K.	REVISED -
Default	PLOT SCALE = 40.0000' / in.	CHECKED - R.H.D.	REVISED -
	PLOT DATE = 8/30/2019	DATE - 8/28/19	REVISED -

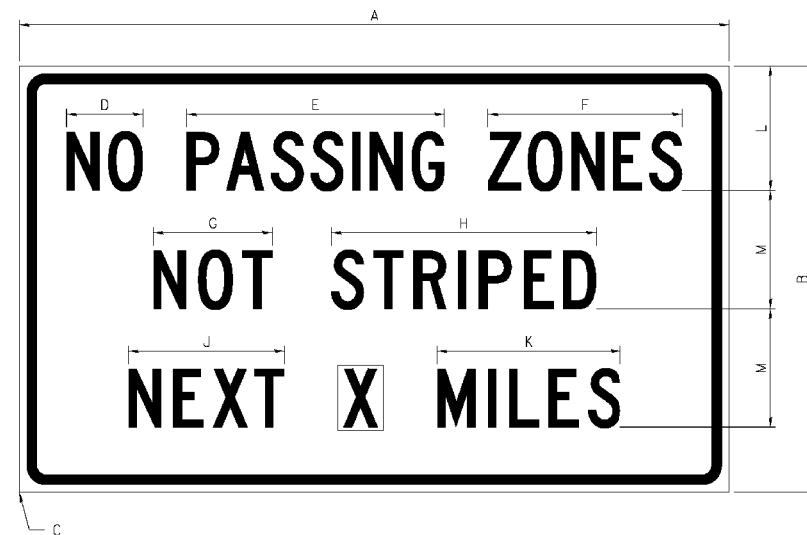
**STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION**

<b>DETAILS - DISTRICT 2 STANDARDS          LAKE LE-AQUA-NA STATE PARK</b>			
SCALE:	SHEET 2 OF 7 SHEETS	STA. TO STA.	

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	LAKE LE-AQUA-NA 2018	STEPHENSON	308	192
CONTRACT NO. 46906				
ILLINOIS FED. AID PROJECT				

# WORK ZONE SIGN DETAILS

**ILLINOIS STANDARD G20-I100**



COLOR    LEGEND AND BORDER BACKGROUND    BLACK ORANGE    NON-REFLECTORIZED REFLECTORIZED

SIGN SIZE	DIMENSIONS											
	A	B	C	D	E	F	G	H	J	K	L	M
60 x 36	60.00	36.00	2.25	6.4	21.80	16.40	10.00	22.40	13.20	15.50	10.50	10.00

SIGN SIZE	SERIES BY LINE			MARGIN	BORDER
	1	2	3		
60 x 36	5C	5C	5C	0.625	0.875

Sign not to scale

**GENERAL NOTES**

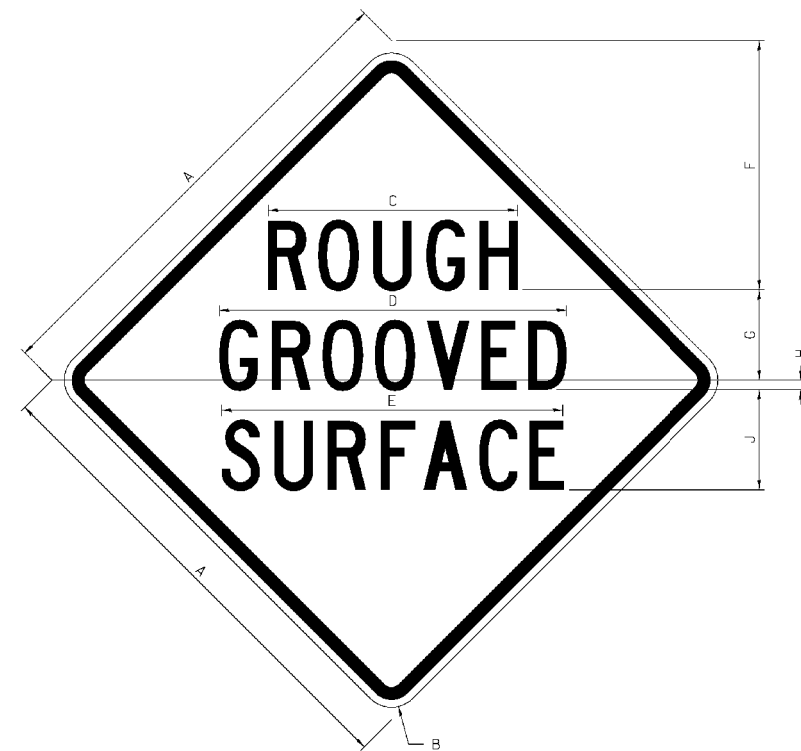
All work to furnish and install these signs shall be included in the cost of the specified traffic control standards and shall not be paid separately.

All Illinois Standard signs shall conform to the latest edition of the "Illinois Standard Highway Signs Book" in effect on the date of Invitation for bids.

Signs shall meet the applicable portions of Sections 701 and 720 of the Standard Specifications.

All dimensions are in inches unless otherwise noted.

**ILLINOIS STANDARD W8-I107**



COLOR    LEGEND AND BORDER BACKGROUND    BLACK ORANGE    NON-REFLECTORIZED REFLECTORIZED

SIGN SIZE	DIMENSIONS									
	A	B	C	D	E	F	G	H	J	
48 x 48	48.00	3.00	25.00	34.80	34.20	24.94	9.00	1.00	10.00	

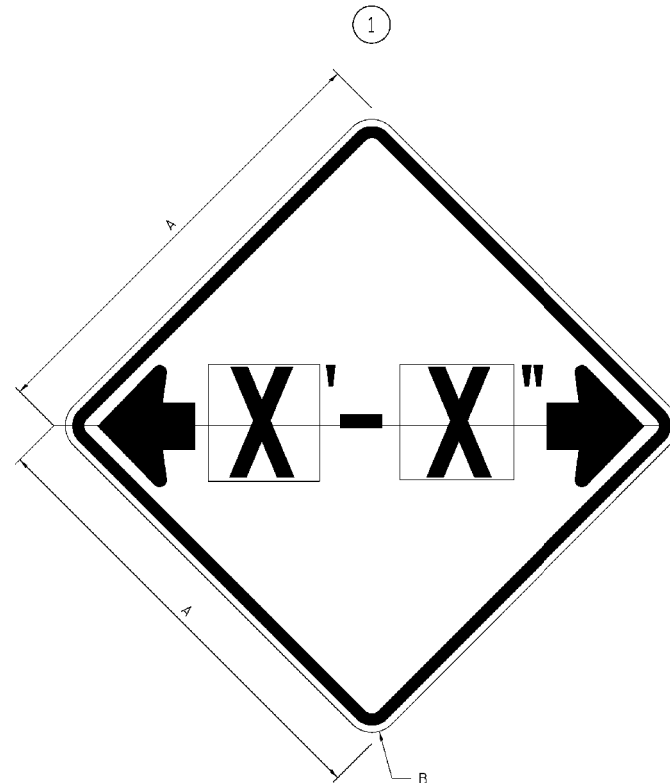
SIGN SIZE	SERIES BY LINE			MARGIN	BORDER
	1	2	3		
48 x 48	7C	7C	7C	1.250	0.750

Sign not to scale

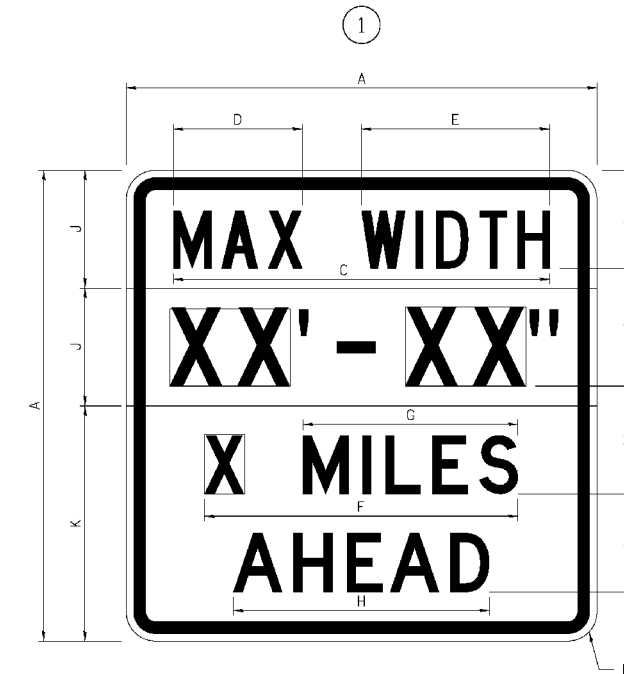
REVISED - 3-02-16

# WORK ZONE SIGN DETAILS

**ILLINOIS STANDARD W12-I102**



**ILLINOIS STANDARD W12-I103**



**GENERAL NOTES**

All work to furnish and install these signs shall be included in the cost of the specified traffic control standards and shall not be paid separately.

All Illinois Standard signs shall conform to the latest edition of the "Illinois Standard Highway Signs Book" in effect on the date of invitation for bids.

Signs shall meet the applicable portions of Sections 701 and 720 of the Standard Specifications.

All dimensions are in inches unless otherwise noted.

COLOR LEGEND AND BORDER BACKGROUND BLACK FL ORANGE NON-REFLECTORIZED REFLECTORIZED

SIGN SIZE	DIMENSIONS	
	A	B
48 x 48	48.00	3.00

① Illinois Standard signs W12-I102 and W12-I103 shall be used as described in the special provisions.

SIGN SIZE	SERIES BY LINE	MARGIN	BORDER
	1		
48 x 48	12C	0.750	1.250

Sign not to scale

REVISED - 3-02-16

COLOR LEGEND AND BORDER BACKGROUND BLACK WHITE NON-REFLECTORIZED REFLECTORIZED BACKGROUND (WIDTH) FL ORANGE REFLECTORIZED

SIGN SIZE	DIMENSIONS											
	A	B	C	D	E	F	G	H	J	K	L	M
48 x 48	48.00	3.00	38.40	13.20	19.20	32.00	22.00	26.20	12.00	24.00	10.00	11.00

SIGN SIZE	SERIES BY LINE				MARGIN	BORDER
	1	2	3	4		
48 x 48	6C	8D	6D	6D	0.750	1.250

Sign not to scale

XX'-XX" WIDTH AND X MILES ARE VARIABLE TOP AND BOTTOM OF BACKGROUND WHITE

# WORK ZONE SIGN DETAILS

## ROAD CLOSED TO OVERSIZED LOADS



COLOR	LEGEND AND BORDER BACKGROUND	BLACK ORANGE	NON-REFLECTORIZED REFLECTORIZED
-------	------------------------------	--------------	---------------------------------

Permit Loads - Loads Over 13 Feet; 3.0" Radius, 1.3" Border;  
 [NO OVERSIZE -] D; [OVERWEIGHT LOADS] D 85% spacing; [XX MILES AHEAD] D;  
 Table of letter and object lefts.

N	O	O	V	E	R	S	I	Z	E	-
11.7	18.1	30.0	36.2	42.8	48.4	54.4	60.7	63.5	69.5	80.8

O	V	E	R	W	E	I	G	H	T	L	O	A	D	S
2.6	8.6	15.0	20.4	26.2	33.4	38.8	41.3	47.4	53.2	64.5	69.9	75.9	82.9	88.7

X	X	M	I	L	E	S	A	H	E	A	D
7.6	13.6	25.3	32.3	35.1	40.6	46.2	57.9	65.1	71.4	76.6	83.7

Sign not to scale

REVISED - 3-02-16

## STOP LINE SIGN FOR TEMPORARY SIGNALS



COLOR	LEGEND AND BORDER BACKGROUND	BLACK WHITE	NON-REFLECTORIZED REFLECTORIZED
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SIGN SIZE	SERIES BY LINE		
	1	2	3
24 x 24	4C	4C	4C

Sign not to scale

### GENERAL NOTES

All work to furnish and install these signs shall be included in the cost of the specified traffic control standards and shall not be paid separately.

All Illinois Standard signs shall conform to the latest edition of the "Illinois Standard Highway Signs Book" in effect on the date of invitation for bids.

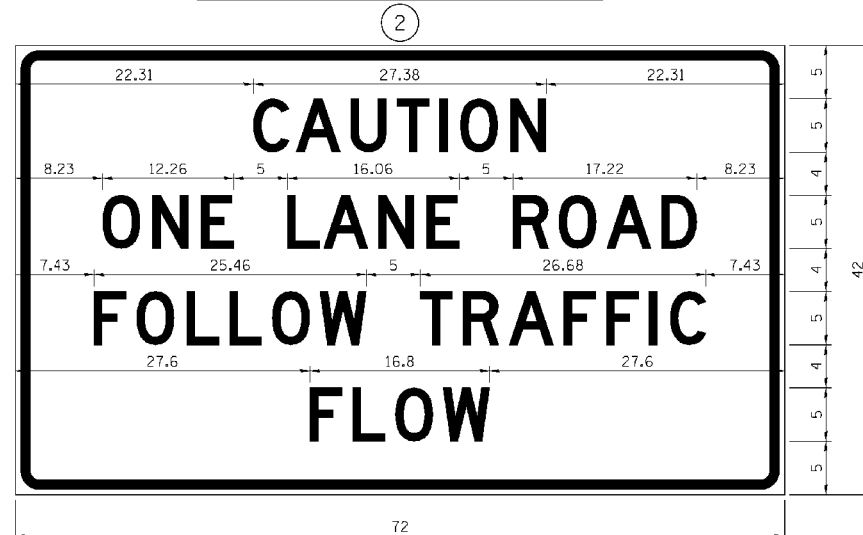
Signs shall meet the applicable portions of Sections 701 and 720 of the Standard Specifications.

All dimensions are in inches unless otherwise noted.



**ENTRANCE SIGN FOR USE  
WITH TEMPORARY SIGNALS**

**WORK ZONE SIGN DETAILS**



COLOR LEGEND AND BORDER BACKGROUND BLACK ORANGE NON-REFLECTORIZED REFLECTORIZED

2.25" Radius, 0.88" Border, 0.50" Indent;  
[CAUTION] D; [ONE LANE ROAD] D;  
[FOLLOW TRAFFIC] D; [FLOW] D

② This sign shall be installed at entrances located between the temporary signals as shown in the staging plans.

**Table Of Widths And Spaces**

22.31	C	3.36	0.62	A	4.18	0.94	U	3.36	0.94	T	3.04	0.94	I	0.78	1.17	O	3.52	1.17	N	3.36	22.31
-------	---	------	------	---	------	------	---	------	------	---	------	------	---	------	------	---	------	------	---	------	-------

8.23	O	3.51	1.17	N	3.36	1.18	E	3.04
------	---	------	------	---	------	------	---	------

5.00	L	3.05	0.31	A	4.18	0.94	N	3.36	1.17	E	3.05
------	---	------	------	---	------	------	---	------	------	---	------

5.00	R	3.36	0.93	O	3.52	0.94	A	4.18	0.93	D	3.36	8.23
------	---	------	------	---	------	------	---	------	------	---	------	------

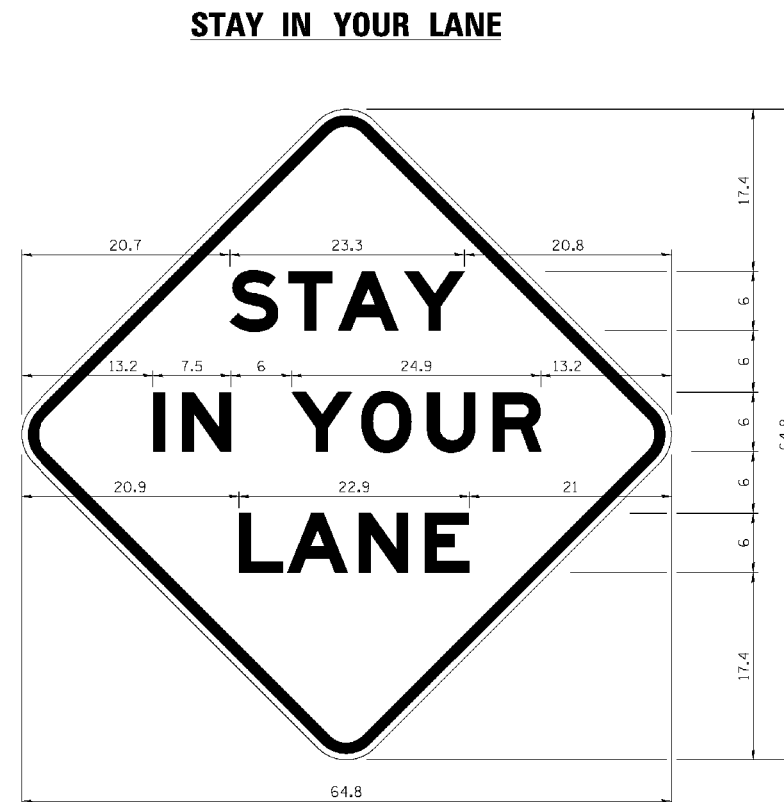
7.43	F	3.04	0.94	O	3.52	1.17	L	3.04	0.94	L	3.05	0.94	O	3.51	0.94	W	4.37
------	---	------	------	---	------	------	---	------	------	---	------	------	---	------	------	---	------

5.00	T	3.05	0.94	R	3.36	0.94	A	4.18	0.93	F	3.05	0.94	F	3.04	0.94	I	0.78	1.18	C	3.35	7.43
------	---	------	------	---	------	------	---	------	------	---	------	------	---	------	------	---	------	------	---	------	------

27.60	F	3.05	0.94	L	3.04	0.94	O	3.52	0.93	W	4.38	27.60
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Sign not to scale

REVISED - 3-02-16



COLOR LEGEND AND BORDER BACKGROUND BLACK ORANGE NON-REFLECTORIZED REFLECTORIZED

48.0" across sides 3.8" Radius, 1.0" Border, 0.6" Indent;  
"STAY" E Mod; "IN YOUR" E Mod; "LANE" E Mod;

**Table of Letter and Object Lefts**

S	T	A	Y
20.7	26.8	31.6	38.0

I	N	Y	O	U	R
13.2	15.9	26.7	33.9	40.5	46.8

L	A	N	E
20.9	25.8	33.1	39.4

Sign not to scale

**GENERAL NOTES**

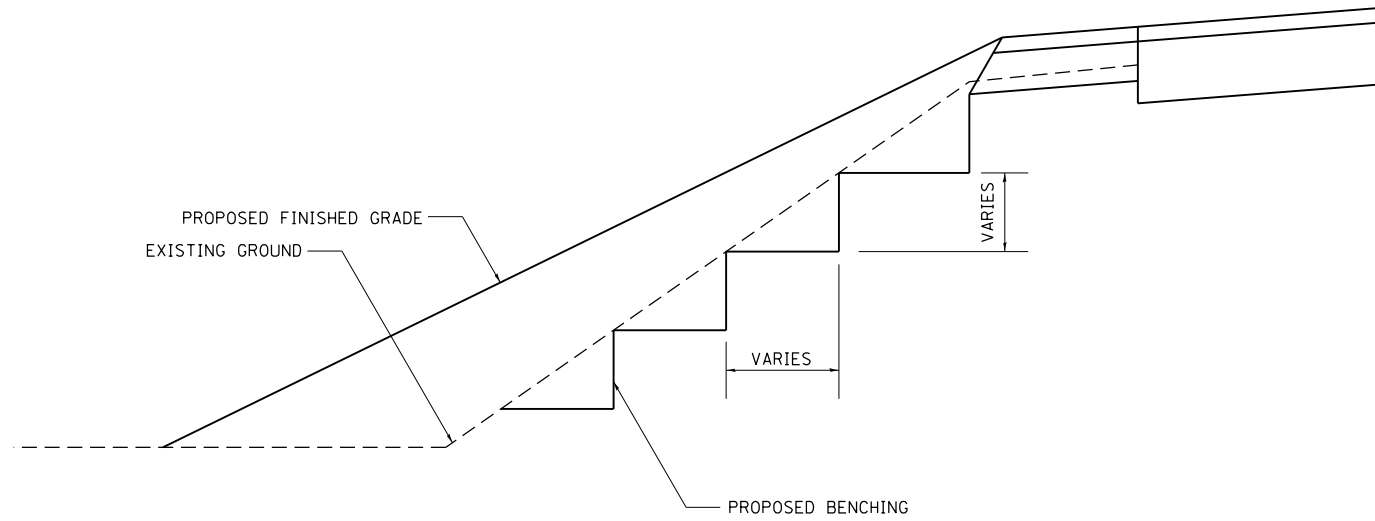
All work to furnish and install these signs shall be included in the cost of the specified traffic control standards and shall not be paid separately.

All Illinois Standard signs shall conform to the latest edition of the "Illinois Standard Highway Signs Book" in effect on the date of invitation for bids.

Signs shall meet the applicable portions of Sections 701 and 720 of the Standard Specifications.

All dimensions are in inches unless otherwise noted.

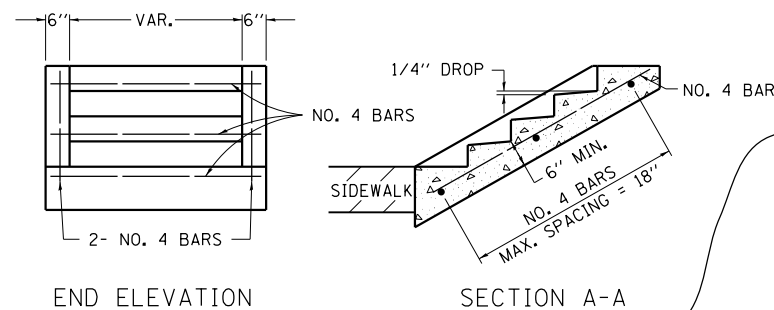
# TYPICAL BENCHING ON EXISTING EMBANKMENT



REVISED - 2-22-06

## TYPICAL BENCHING ON EXISTING EMBANKMENT 50.4

# DETAIL OF CONCRETE STEPS



\* TABLE OF TREADS & RISERS

SLOPE	TREAD	RISER
1:2	12"	6"
1:3	15"	5"
1:4	17"	4 1/4"

WHERE SLOPES FALL BETWEEN THOSE SHOWN IN THE TABLE ABOVE, THE STAIR RAIL SHOULD FIT THE SLOPE AND THE TREAD IN INCHES x THE RISER IN INCHES SHOULD BE BETWEEN 72 AND 78.

**EXAMPLE:**

FOR A 1:4 SLOPE USE  $y = \text{RISER HEIGHT } 4y^2 = 75"$ . SOLVING  $y^2 = 75/4$ ,  $y = 4.3"$  (USE 4 1/4" FOR CONVENIENCE.) TREAD WOULD THEN BE  $4 \times 4.3 = 17"$

COST OF REINFORCEMENT BARS SHALL BE PAID FOR AT THE CONTRACT UNIT PRICE PER LBS FOR REINFORCEMENT BARS.

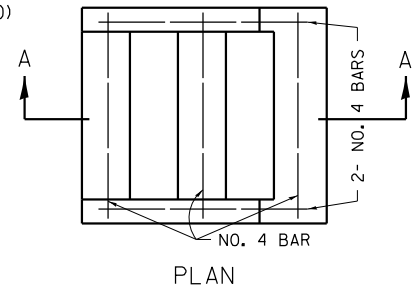
CLASS SI CONCRETE SHALL BE USED THROUGHOUT, WHICH SHALL BE PAID FOR AT THE CONTRACT UNIT PRICE PER CUBIC YARD FOR CONCRETE STEPS

ALL DIMENSIONS ARE IN INCHES UNLESS OTHERWISE NOTED.

• BOAT RAMP PARKING LOT STEP DESIGN (SEE PLAN SHEET - SHEET 00)

SLOPE	TREAD	RISER
1:1.85	12"	6-1/2"

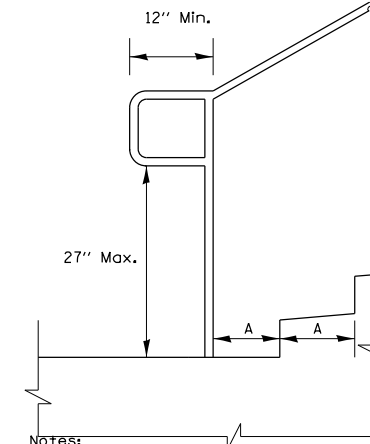
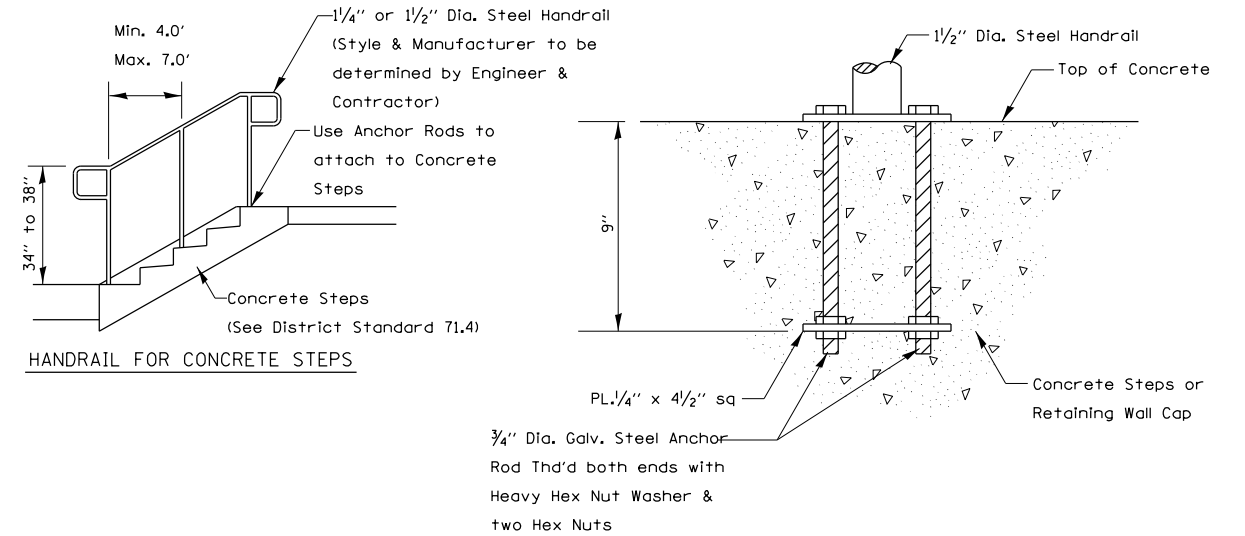
(TREAD x RISER = 78)



REVISED - 8-27-13  
10-03-11

## DETAIL OF CONCRETE STEPS 71.4

# PIPE HANDRAILS FOR STEPS



Notes:  
Extension at Bottom of Run Detail  
Stairways shall have continuous handrails both sides of all stairs.

The inside handrail on switchback or dogleg stairs shall always be continuous.

Gripping surfaces shall be uninterrupted by newel posts, other construction elements, or obstructions.

Ends of handrail shall be either rounded or returned smoothly to floor, wall, or post.

Hand & safety rails shall not rotate within their fittings.

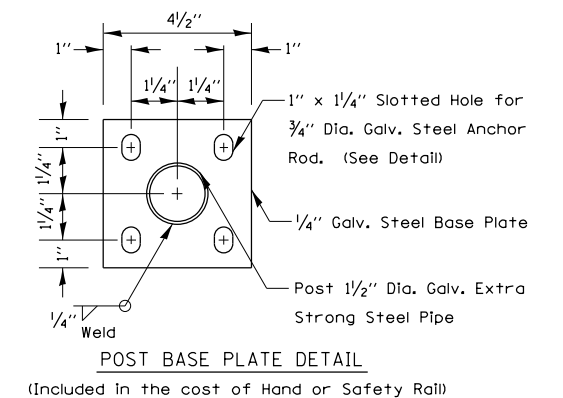
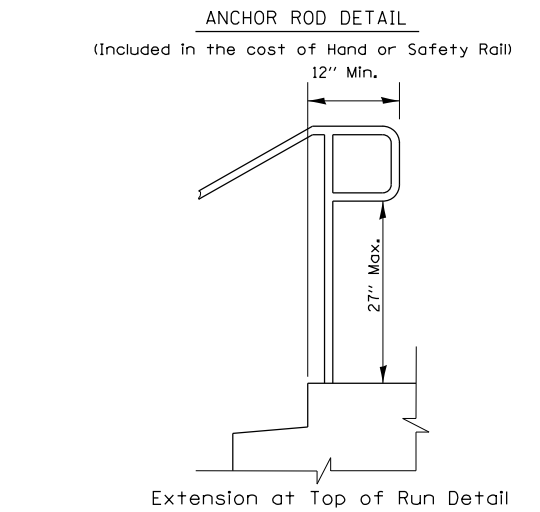
The clear space between handrails and any wall shall be 1/2"

Handrail shall conform to Section 509 with the exception that all pipe and connections shall be welded galvanized or aluminum according to Article 1006.30, or 1006.34.

The diameter of the gripping surface of the handrail shall be 1-1/4" to 1-1/2"

This work shall be paid for at the contract unit price per FOOT for PIPE HANDRAIL.

REVISED - 10-14-11

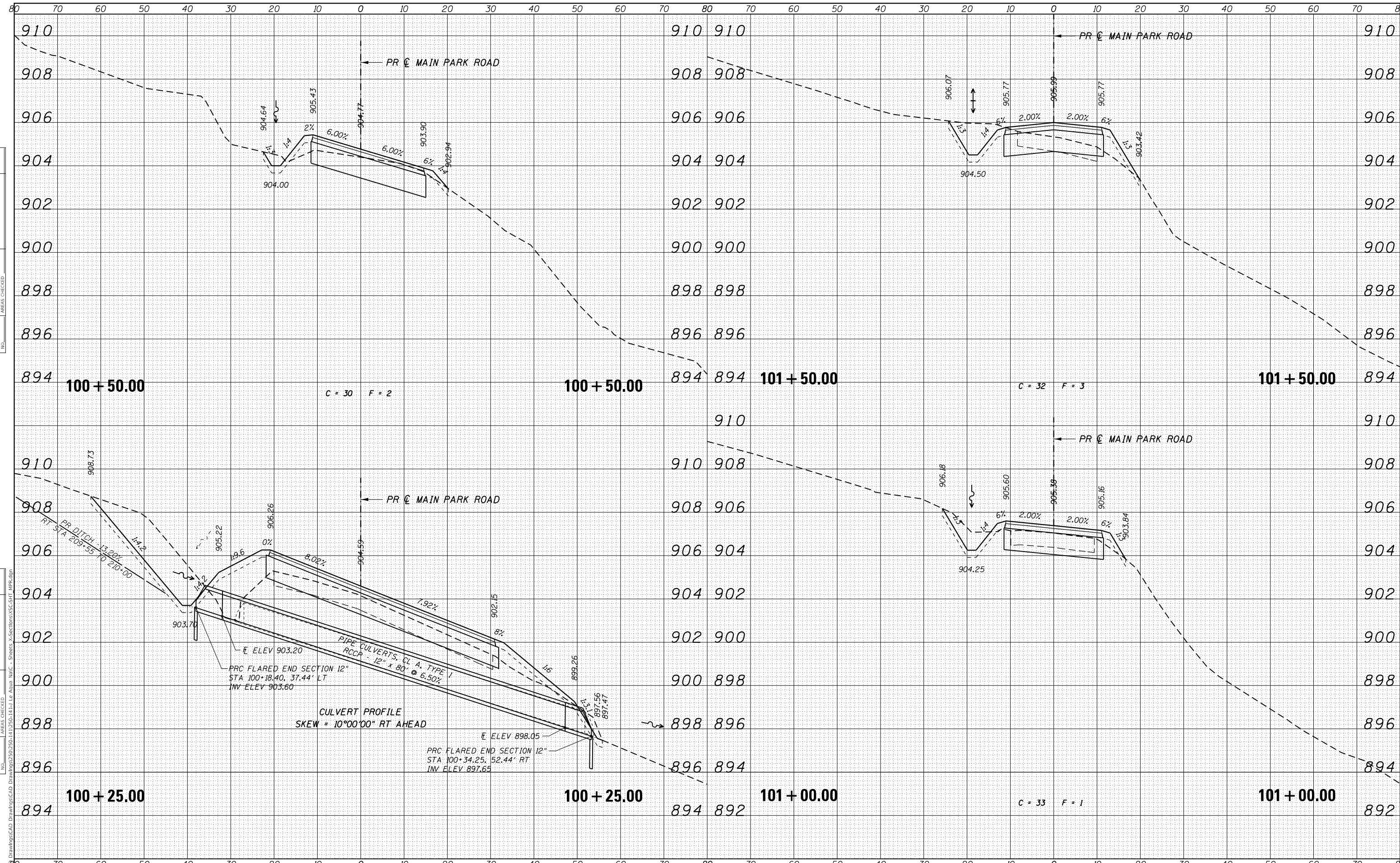


(Included in the cost of Hand or Safety Rail)

## PIPE HANDRAILS FOR STEPS 63.2

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

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



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	DRAWN - JEB	REVISED -
PLOT SCALE = 20.0000' / in.	CHECKED - RHD	REVISED -
PLOT DATE = 8/28/2019	DATE - 8/28/19	REVISED -

**STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION**

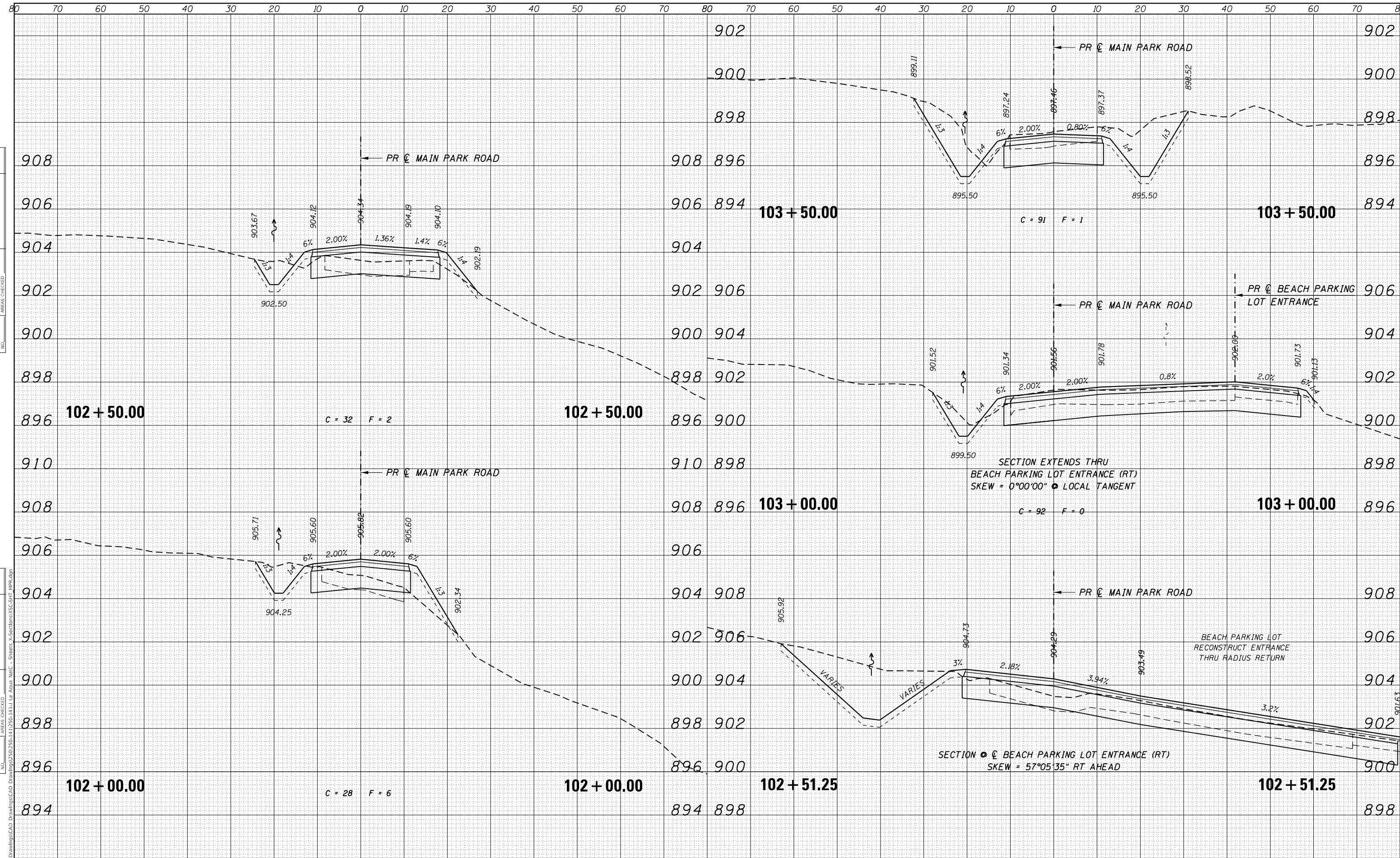
**CROSS SECTIONS - MAIN PARK ROAD**

SCALE: 10'H x 2'V    SHEET 1 OF 81 SHEETS    STA. 100+25.00 TO STA. 101+50.00

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	LAKE LE-AQUA-NA 2018	STEPHENSON	308	198
CONTRACT NO. 46906				
ILLINOIS FED. AID PROJECT				

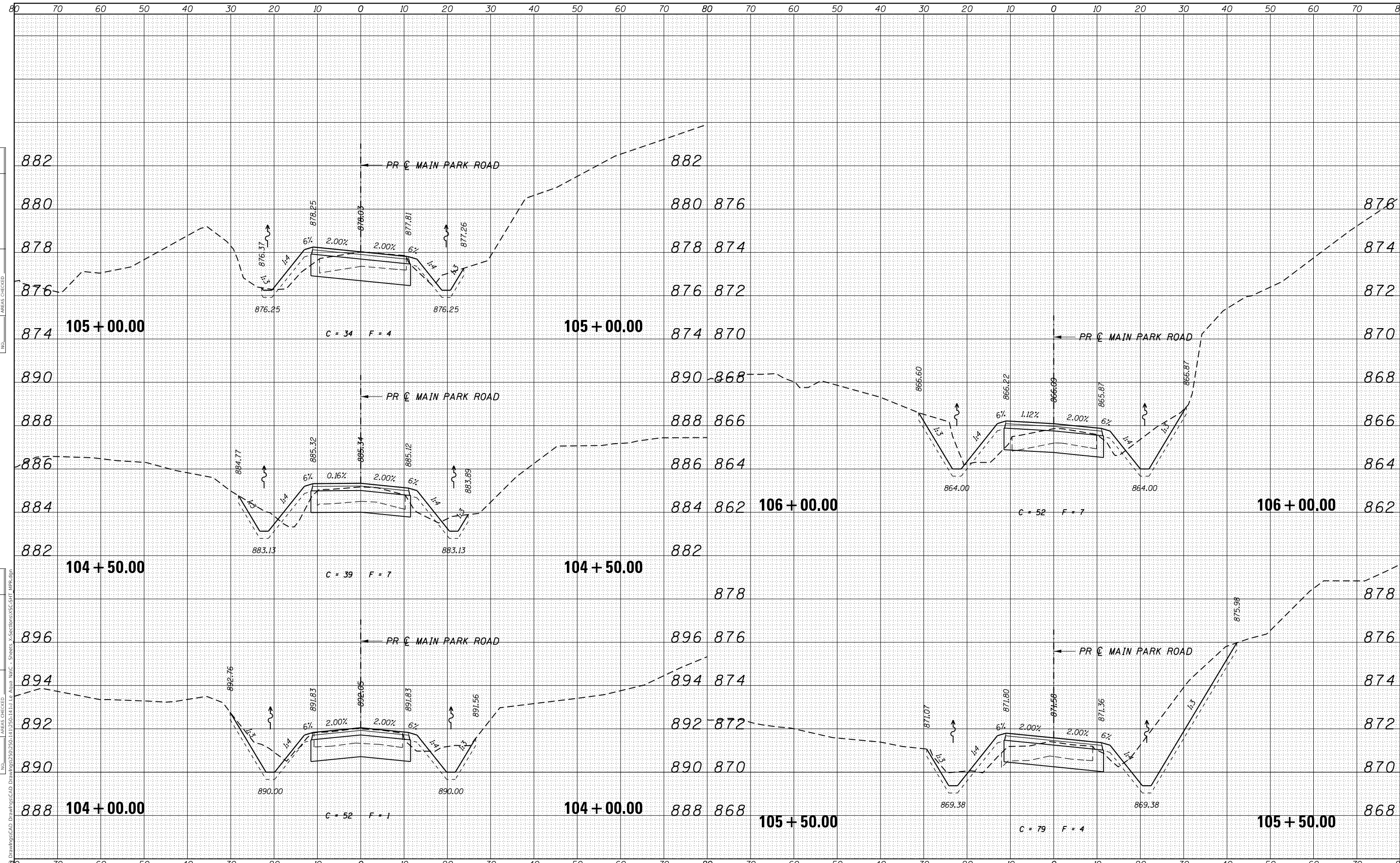
DATE	
BY	
FINAL SURVEY	SURVEYED
NOTE BOOK	PLOTTED
	TEMPLATE
	AREAS CHECKED

DATE	
BY	
ORIGINAL SURVEY	SURVEYED
NOTE BOOK	PLOTTED
	TEMPLATE
	AREAS CHECKED



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

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



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USER NAME	= joeb
DESIGNED	- JEB
DRAWN	- JEB
CHECKED	- RHD
DATE	- 8/28/19

REVISED	-
REVISED	-
REVISED	-
REVISED	-

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**CROSS SECTIONS - MAIN PARK ROAD**

SCALE: 10'H x 2'V    SHEET 3 OF 81 SHEETS    STA. 104+00.00 TO STA. 106+00.00

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	LAKE LE-AQUA-NA 2018	STEPHENSON	308	200
			CONTRACT NO. 46906	
			ILLINOIS FED. AID PROJECT	