

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION
NIEDRINGHAUS AVENUE
STREETSCAPE – PHASE 2
GRANITE CITY, ILLINOIS
ITEP FUNDS
F.A.U. ROUTE : 9090
SECTION NO.: 10-00191-00-LS
JOB NO.: C-98-319-11
MADISON COUNTY
PROJECT NO: 15K7(718)**

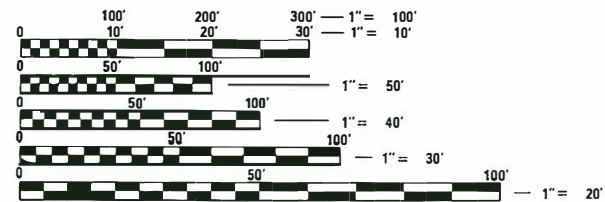
F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
9090	10-00191-00-LS	MADISON	58	1
		ILLINOIS	CONTRACT NO. 97653	

INDEX OF SHEETS

SHEET NUMBER	DESCRIPTION
1	COVER SHEET
2	GENERAL NOTES AND LEGEND
3	SUMMARY OF QUANTITIES
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8-12	PROPOSED TYPICAL SECTIONS
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30-39	ADVANCED WARNING SIGNS AND STAGE CONSTRUCTION
40	DRAINAGE PLAN AND PROFILE
41-43	PAVEMENT MARKINGS
44-47	LIGHTING PLANS
48-55	SIDEWALK CURB RAMP PLAN
56-57	ENTRANCE DETAILS
58	MISCELLANEOUS DETAILS

STANDARDS

STD. NO.	
000001-06	606001-07
001001-02	701006-05
001006	701011-04
280001-07	701311-03
420001-09	701701-10
424001-10	701801-06
424006-03	701901-07
424011-03	720001-01
424021-04	720006-04
424026-02	728001-01
442201-03	729001-01
602301-04	780001-05
602306-03	781001-04
604001-04	825021-03
604071-05	836001-03
604091-03	B.L.R. 18-6



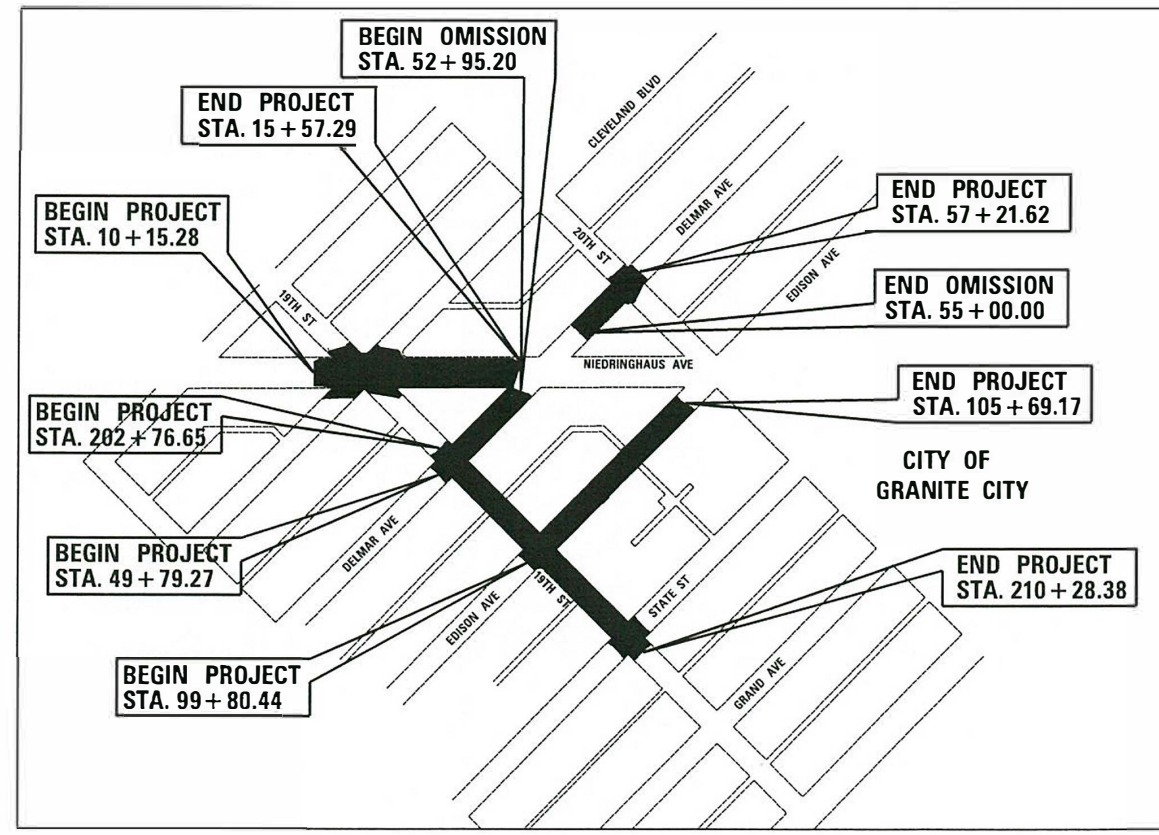
FULL SIZE PLANS HAVE BEEN PREPARED USING STANDARD ENGINEERING SCALES. REDUCED SIZED PLANS WILL NOT CONFORM TO STANDARD SCALES. IN MAKING MEASUREMENTS ON REDUCED PLANS, THE ABOVE SCALES MAY BE USED.

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

DESIGN DESIGNATION

FUNCTIONAL CLASSIFICATION: ARTERIAL
ADT: 5,900 (2016) 9,670 (2036)
DHV: 967 (2036)
DESIGN SPEED: 30 MPH

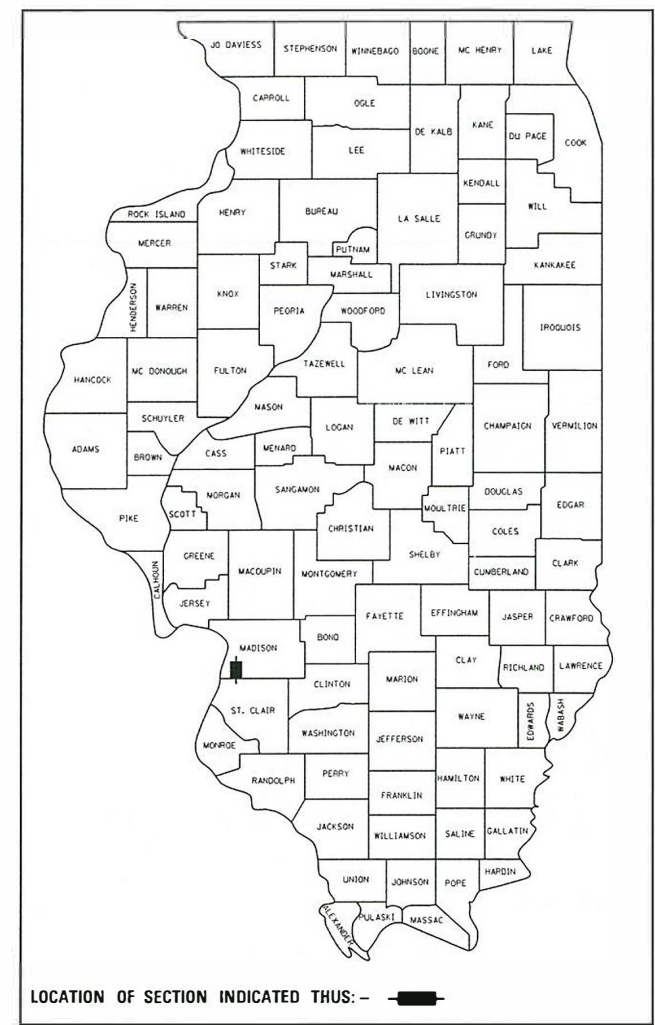
SCALES
PLAN 1" = 20'
PROFILE HORIZ. 1" = 20'
PROFILE VERT. 1" = 5'
CROSS SECTIONS 1" = 10' HORIZ.
1" = 5' VERT.



LOCATION MAP

SCALE: 1" = 250'

NET LENGTH OF PROJECT: 2420 FEET – 0.458 MILES
SECTION 24, T. 3 N., R. 10 W., 3RD P.M.
MADISON COUNTY



LOCATION OF SECTION INDICATED THUS: — ■ —

STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION

Approved 2/19/18
Ed Chapman
City of Granite City, Mayor

Passed 2/21/18
acting [Signature]
District 8 Engineer of Local Roads & Streets

Releasing for Bid Based on Limited Review 2/21/18
[Signature]
Region 5 Engineer

PRINTED BY THE AUTHORITY OF THE STATE OF ILLINOIS



Brian F. Kulick 2/19/18
BRIAN F. KULICK, P.E. No. 49936
(Printed by Authority of the State of Illinois) DATE

Job No.: E-110226

JUNEAU ASSOCIATES, INC., P.C.
ENGINEERING & LAND SURVEYING
Professional Design Firm License No. 184.003389

2100 State Street, P.O. Box 1325
Granite City, IL 62040-4725
100 North Research Drive
Edwardsville, IL 62025-3638
330 N. Fourth Street, Suite 200
St. Louis, MO 63102-2007
555 West Central Rd, Suite 101
Hoffman Estates, IL 60192-1942

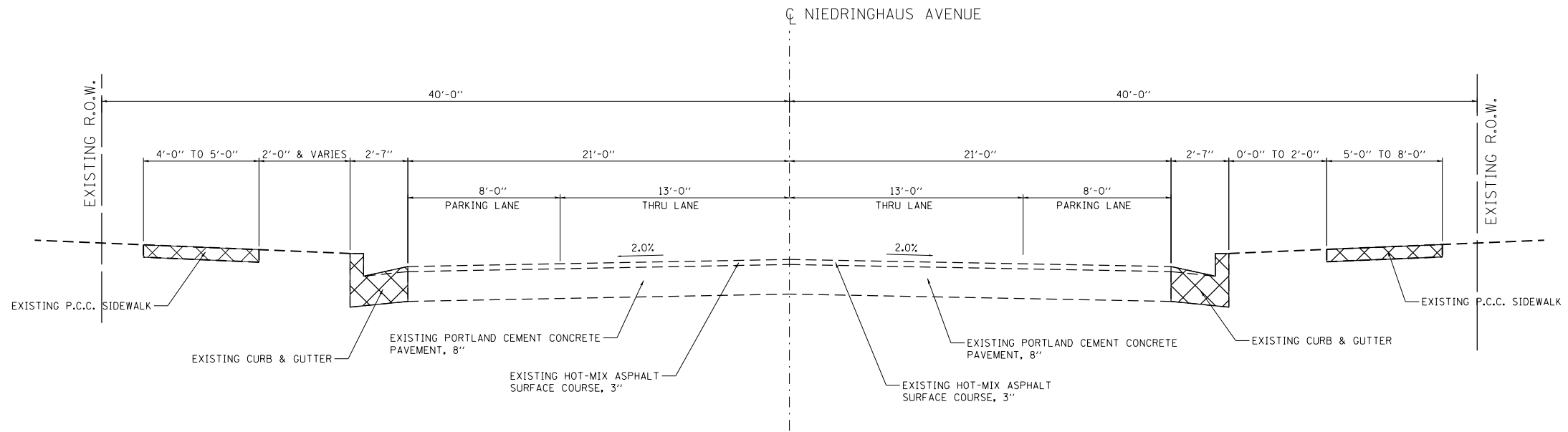
Expires 11-30-2019

SUMMARY OF QUANTITIES

CODE NO.	ITEM	UNIT	TOTAL LIGHTING QUANTITY	TOTAL ROADWAY QUANTITY
25000100	SEEDING, CLASS 1	ACRE		0.25
25000400	NITROGEN FERTILIZER NUTRIENT	POUND		23
25000500	PHOSPHORUS FERTILIZER NUTRIENT	POUND		23
25000600	POTASSIUM FERTILIZER NUTRIENT	POUND		23
25100115	MULCH, METHOD 2	ACRE		0.5
28000250	TEMPORARY EROSION CONTROL SEEDING	POUND		25
28000500	INLET AND PIPE PROTECTION	EACH		27
35400300	PORTLAND CEMENT CONCRETE BASE COURSE WIDENING 8"	SQ YD		294
40201000	AGGREGATE FOR TEMPORARY ACCESS	TON		250
40800025	BITUMINOUS MATERIALS (PRIME COAT)	POUND		132
40800050	INCIDENTAL HOT-MIX ASPHALT SURFACING	TON		49
42001300	PROTECTIVE COAT	SQ YD		5714
42300400	PORTLAND CEMENT CONCRETE DRIVEWAY PAVEMENT, 8 INCH	SQ YD		648
42400100	PORTLAND CEMENT CONCRETE SIDEWALK 4 INCH	SQ FT		26992
42400800	DETECTABLE WARNINGS	SQ FT		630
44000100	PAVEMENT REMOVAL	SQ YD		54
44000200	DRIVEWAY PAVEMENT REMOVAL	SQ YD		411
44000500	COMBINATION CURB AND GUTTER REMOVAL	FOOT		4139
44000600	SIDEWALK REMOVAL	SQ FT		33846
44201349	CLASS C PATCHES, TYPE I, 10 INCH	SQ YD		15
Δ 50900805	PEDESTRIAN RAILING	FOOT		46
60234200	INLETS, TYPE A, TYPE 1 FRAME, OPEN LID	EACH		1
60237420	INLETS, TYPE A, TYPE 20 FRAME AND GRATE	EACH		2
60240328	INLETS, TYPE B, TYPE 24 FRAME AND GRATE	EACH		1
60500060	REMOVING INLETS	EACH		3
60600605	CONCRETE CURB, TYPE B	FOOT		1590
60603800	COMBINATION CONCRETE CURB AND GUTTER, TYPE B-6.12	FOOT		1755
60605000	COMBINATION CONCRETE CURB AND GUTTER, TYPE B-6.24	FOOT		2005
67100100	MOBILIZATION	L SUM		1
70300210	TEMPORARY PAVEMENT MARKING LETTERS AND SYMBOLS	SQ FT		100
70300220	TEMPORARY PAVEMENT MARKING - LINE 4"	FOOT		1595
70300240	TEMPORARY PAVEMENT MARKING - LINE 6"	FOOT		1896

CODE NO.	ITEM	UNIT	TOTAL LIGHTING QUANTITY	TOTAL ROADWAY QUANTITY
70300260	TEMPORARY PAVEMENT MARKING - LINE 12"	FOOT		554
70300280	TEMPORARY PAVEMENT MARKING - LINE 24"	FOOT		590
Δ 72000100	SIGN PANEL - TYPE 1	SQ FT		63
Δ 72800100	TELESCOPING STEEL SIGN SUPPORT	FOOT		106
Δ 78003100	PREFORMED PLASTIC PAVEMENT MARKING, TYPE B - LETTERS AND SYMBOLS	SQ FT		100
Δ 78003110	PREFORMED PLASTIC PAVEMENT MARKING, TYPE B - LINE 4"	FOOT		1595
Δ 78003130	PREFORMED PLASTIC PAVEMENT MARKING, TYPE B - LINE 6"	FOOT		1896
Δ 78003150	PREFORMED PLASTIC PAVEMENT MARKING, TYPE B - LINE 12"	FOOT		554
Δ 78003180	PREFORMED PLASTIC PAVEMENT MARKING, TYPE B - LINE 24"	FOOT		590
Δ 78100100	RAISED REFLECTIVE PAVEMENT MARKER	EACH		19
Δ 80400100	ELECTRIC SERVICE INSTALLATION	EACH	1	
Δ 81028370	UNDERGROUND CONDUIT, PVC, 3" DIA.	FOOT	16	
Δ 81028720	UNDERGROUND CONDUIT, COILABLE NONMETALIC CONDUIT, 1" DIA.	FOOT	7496	
Δ 81702155	ELECTRIC CABLE IN CONDUIT, 600V (XLP-TYPE USE) 1/C NO. 1	FOOT	72	
Δ 82500350	LIGHTING CONTROLLER, BASE MOUNTED, 240VOLT, 100AMP	EACH	1	
Δ 83600200	LIGHT POLE FOUNDATION, 24" DIAMETER	FOOT	235	
X0324788	GRANITE PAVERS	SQ FT		2869
X0327979	PAVEMENT MARKING REMOVAL - GRINDING	SQ FT		1283
Δ X1400147	ELECTRIC CABLE ASSEMBLY IN CONDUIT, 600V (XLP-TYPE TC) 2/C NO. 10 AND NO. 10 GROUND	FOOT	7313	
X4060205	COLD MIX ASPHALT MIXTURE	TON		18
X4240420	PORTLAND CEMENT CONCRETE SIDEWALK 4 INCH, SPECIAL	SQ FT		6200
X6061700	COMBINATION CONCRETE CURB AND GUTTER, TYPE B (SPECIAL)	FOOT		404
X7010216	TRAFFIC CONTROL AND PROTECTION, (SPECIAL)	L SUM		1
X7030005	TEMPORARY PAVEMENT MARKING REMOVAL	SQ FT		3200
Δ X7830060	GROOVING FOR RECESSED PAVEMENT MARKING, LETTERS AND SYMBOLS	SQ FT		348
Δ X7830070	GROOVING FOR RECESSED PAVEMENT MARKING 5"	FOOT		1595
Δ X7830074	GROOVING FOR RECESSED PAVEMENT MARKING 7"	FOOT		1896
Δ X7830078	GROOVING FOR RECESSED PAVEMENT MARKING 13"	FOOT		554
Δ X7830090	GROOVING FOR RECESSED PAVEMENT MARKING 25"	FOOT		590
Δ X8140105	HANDHOLE (SPECIAL)	EACH	26	
Δ X8300001	LIGHT POLE, SPECIAL	EACH	47	

Δ SPECIALTY ITEMS

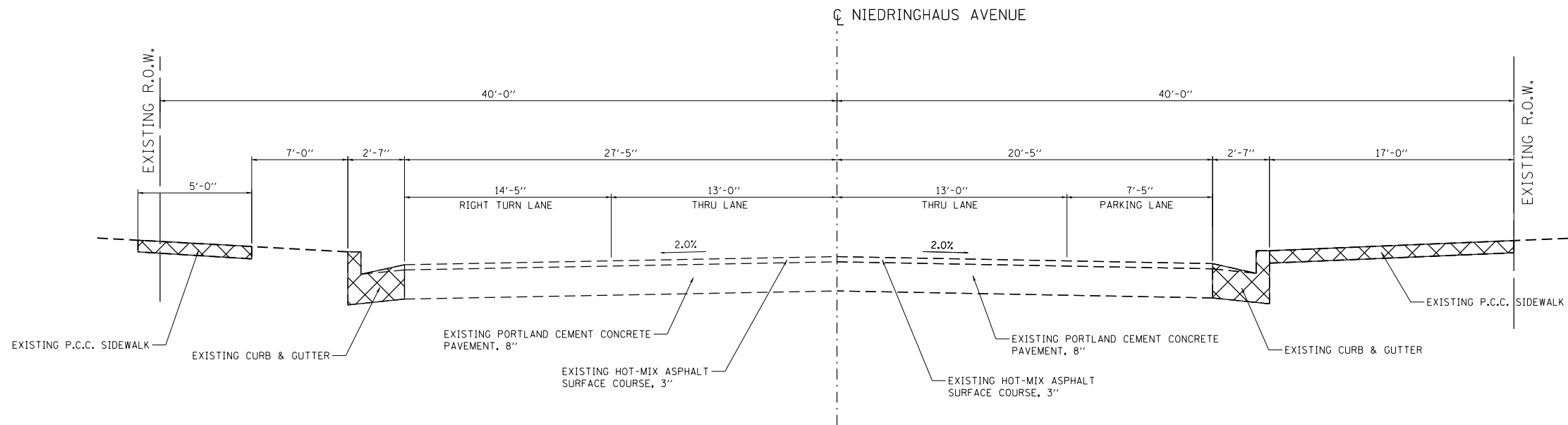


NIEDRINGHAUS AVENUE EXISTING TYPICAL SECTION

STA. 10+15.28 TO STA. 12+37.65
 STA. 13+69.49 TO STA. 15+57.29

(NOT TO SCALE)

LEGEND



NIEDRINGHAUS AVENUE EXISTING TYPICAL SECTION

STA. 12+37.65 TO STA. 13+39.71

(NOT TO SCALE)

LEGEND



FILE NAME =
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 JUNEAU Job No. E110226

USER NAME = tkruerp
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 PLOT DATE = 2/8/2018

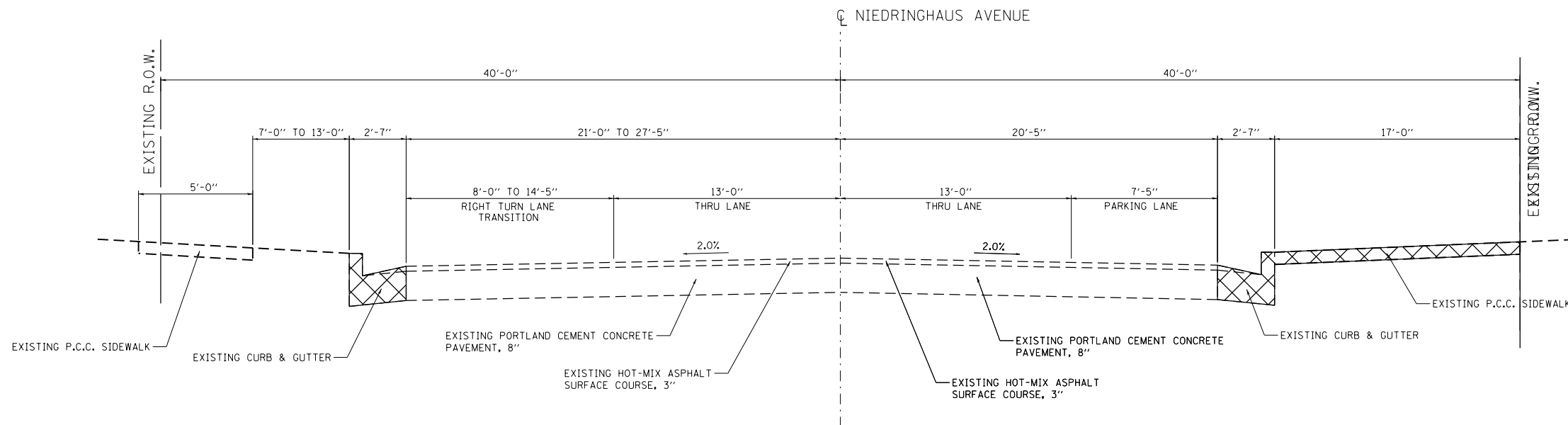
DESIGNED - BFK
 DRAWN - RKR
 CHECKED - BFK
 DATE - 5/11/17

REVISED -
 REVISED -
 REVISED -
 REVISED -

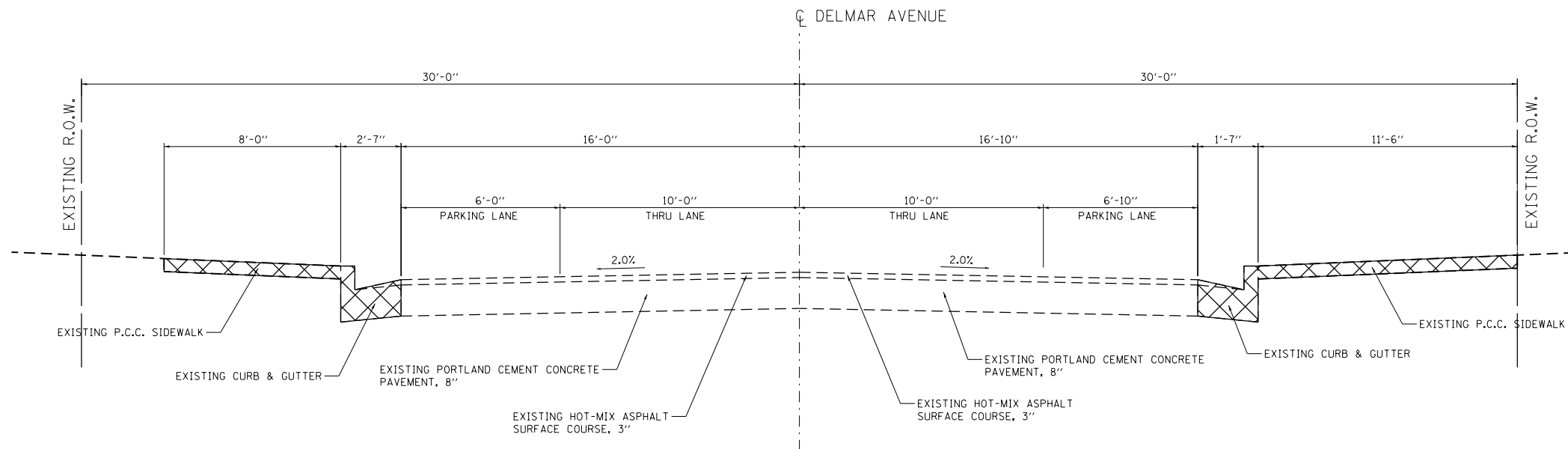
**NIEDRINGHAUS AVENUE STREETSCAPE PHASE 2
 GRANITE CITY, ILLINOIS**

EXISTING TYPICALS
 SCALE: N.T.S. SHEET NO. 1 OF 4 SHEETS STA. TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
9090	10-00191-00-LS	MADISON	58	4
CONTRACT NO. 97653			ILLINOIS FED. AID PROJECT	



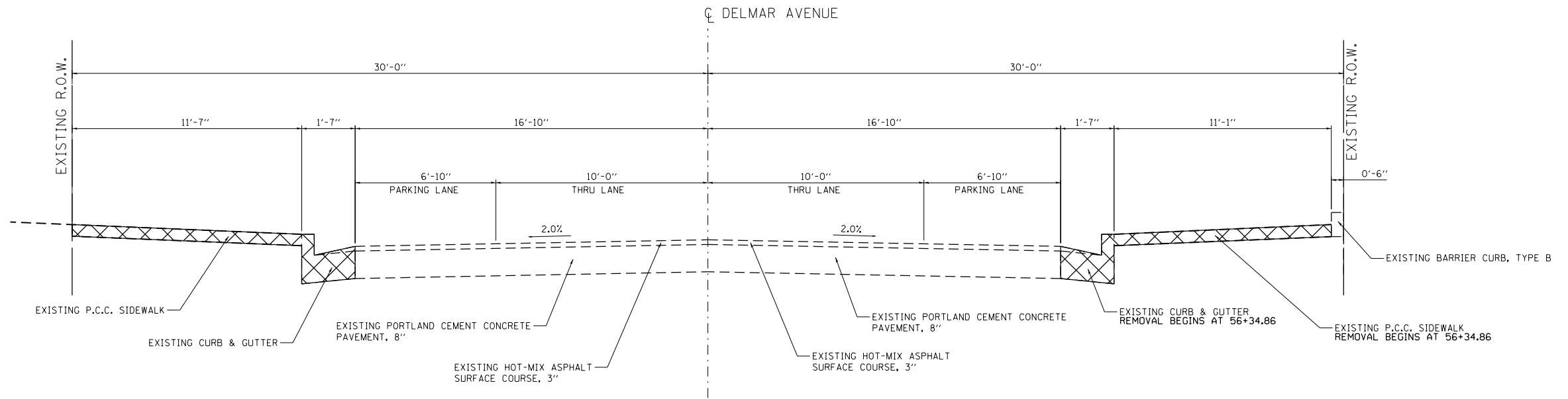
NIEDRINGHAUS AVENUE EXISTING TYPICAL SECTION
 STA. 13+39.71 TO STA. 13+69.49
 (NOT TO SCALE)



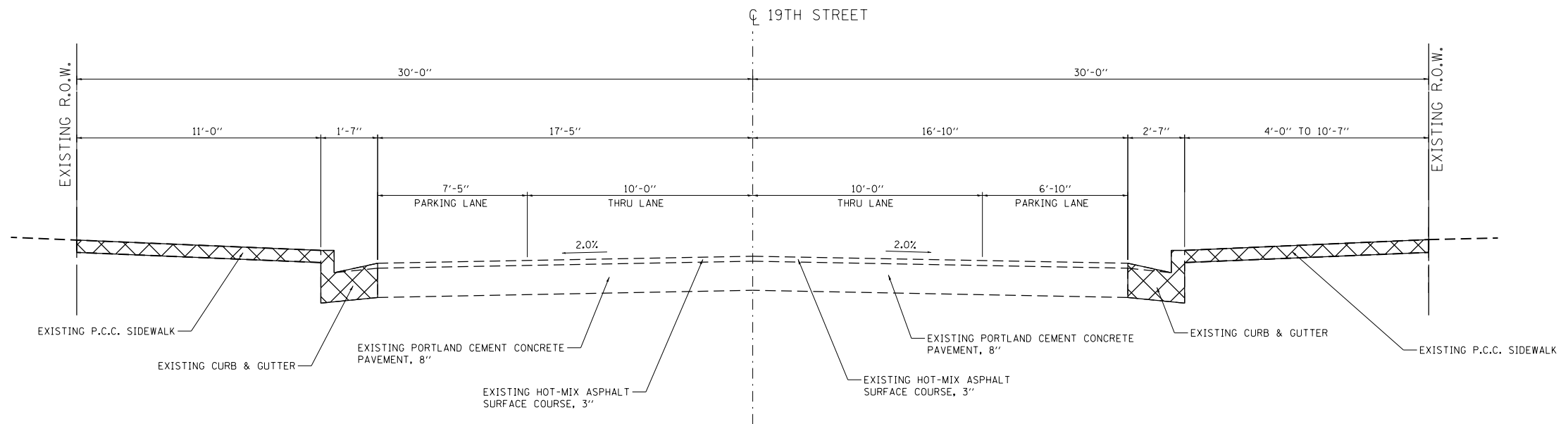
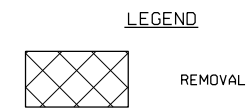
DELMAR AVENUE EXISTING TYPICAL SECTION
 STA. 49+79.27 TO STA. 52+94.63
 (NOT TO SCALE)



FILE NAME = typicals-existing.dgn JUNEAU Job No. E110226	USER NAME = tkruep	DESIGNED - BFK	REVISED -	NIEDRINGHAUS AVENUE STREETSCAPE PHASE 2 GRANITE CITY, ILLINOIS	EXISTING TYPICALS			F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	PLOT SCALE = 40.0000' / in.	CHECKED - BFK	REVISED -					9090	10-00191-00-LS	MADISON	58	5
PLOT DATE = 2/8/2018	DATE - 5/11/17	REVISED -	REVISED -	SCALE: N.T.S.	SHEET NO. 2 OF 4 SHEETS	STA.	TO STA.	ILLINOIS FED. AID PROJECT				
								CONTRACT NO. 97653				



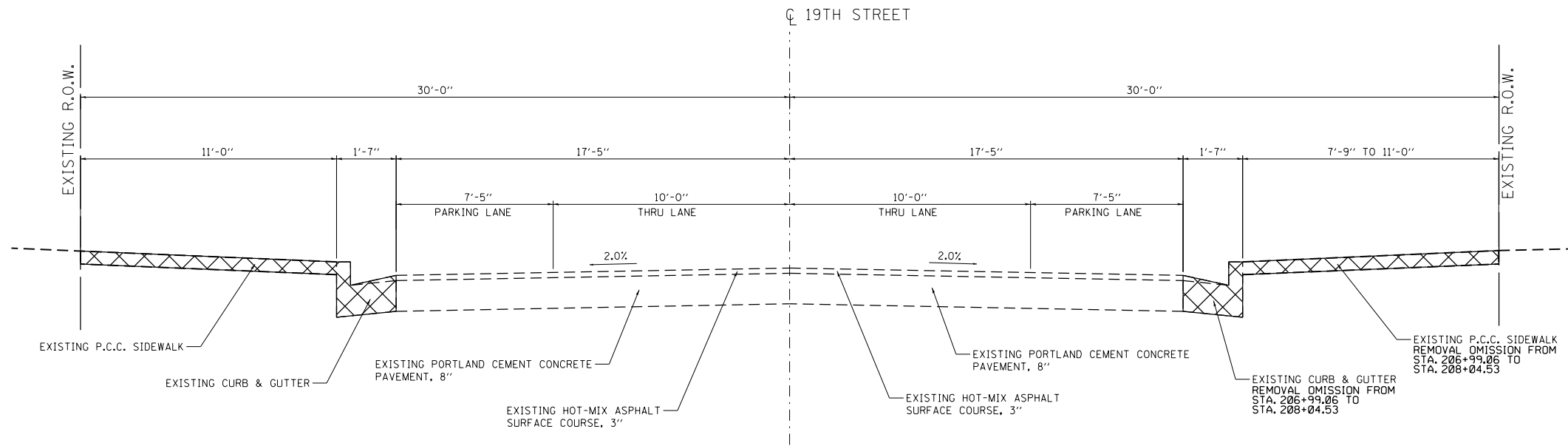
DELMAR AVENUE EXISTING TYPICAL SECTION
 STA. 55+00.00 TO STA. 57+21.62
 (NOT TO SCALE)



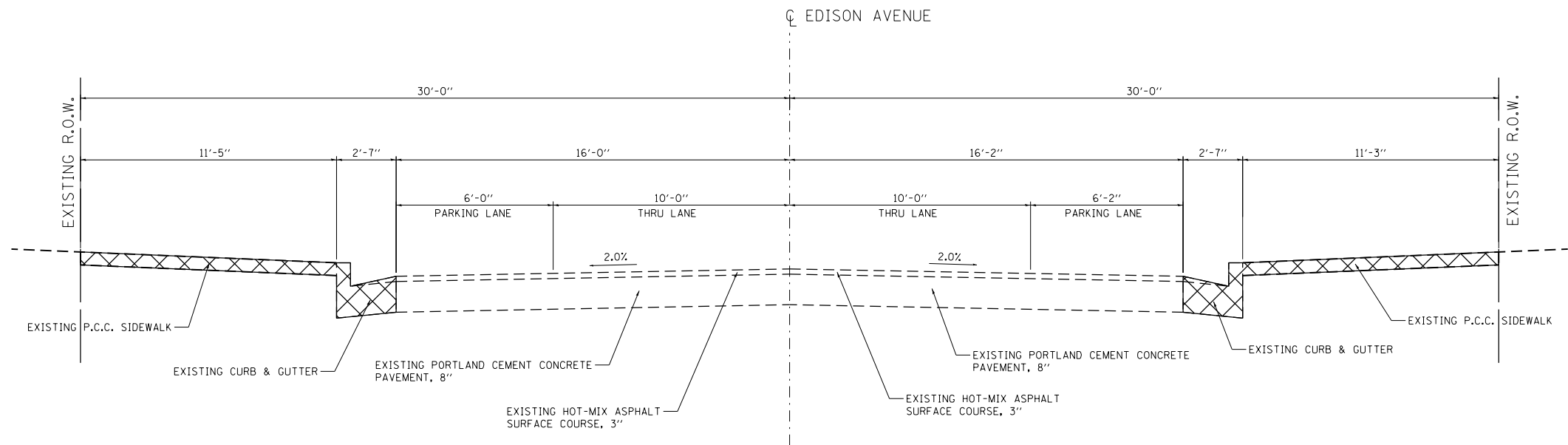
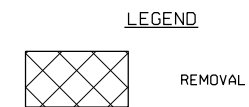
19TH STREET EXISTING TYPICAL SECTION
 STA. 202+76.65 TO STA. 206+33.88
 (NOT TO SCALE)



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	PLOT SCALE = 40.0000' / in.	CHECKED - BFK	REVISED -					9090	10-00191-00-LS	MADISON	58	6	
JUNEAU Job No. E110226	PLOT DATE = 2/8/2018	DATE - 5/11/17	REVISED -		SCALE: N.T.S.	SHEET NO. 3 OF 4 SHEETS	STA.	TO STA.	CONTRACT NO. 97653				
												ILLINOIS FED. AID PROJECT	



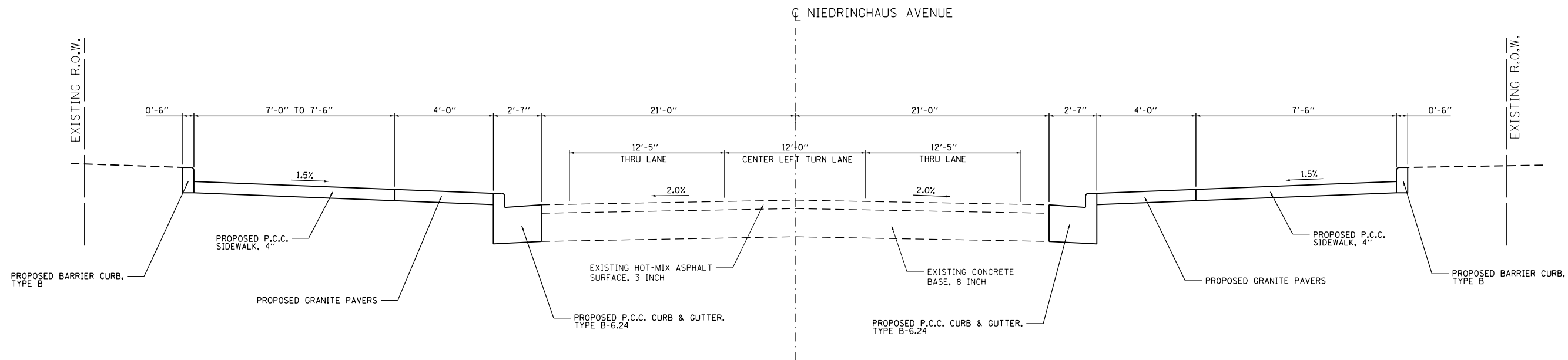
19TH STREET EXISTING TYPICAL SECTION
 STA. 206+66.43 TO STA. 210+28.38
 (NOT TO SCALE)



EDISON AVENUE EXISTING TYPICAL SECTION
 STA. 99+80.44 TO STA. 105+69.17
 (NOT TO SCALE)

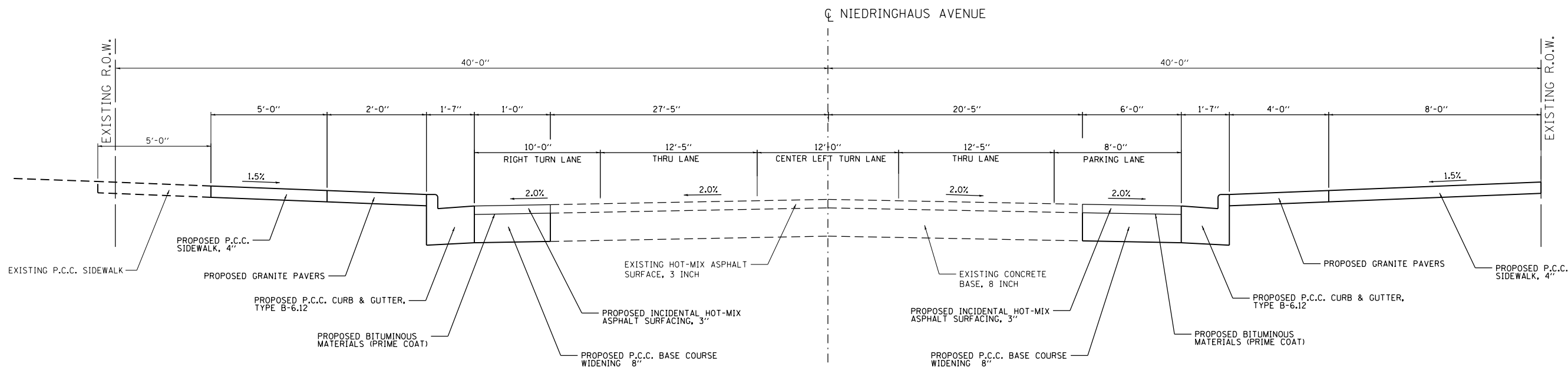


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	PLOT SCALE = 40.0000' / in.	CHECKED - BFK	REVISED -					9090	10-00191-00-LS	MADISON	58	7
PLOT DATE = 2/8/2018	DATE - 5/11/17	REVISED -	REVISED -	SCALE: N.T.S.	SHEET NO. 4 OF 4 SHEETS	STA.	TO STA.	ILLINOIS FED. AID PROJECT				
								CONTRACT NO. 97653				



NIEDRINGHAUS AVENUE PROPOSED TYPICAL SECTION

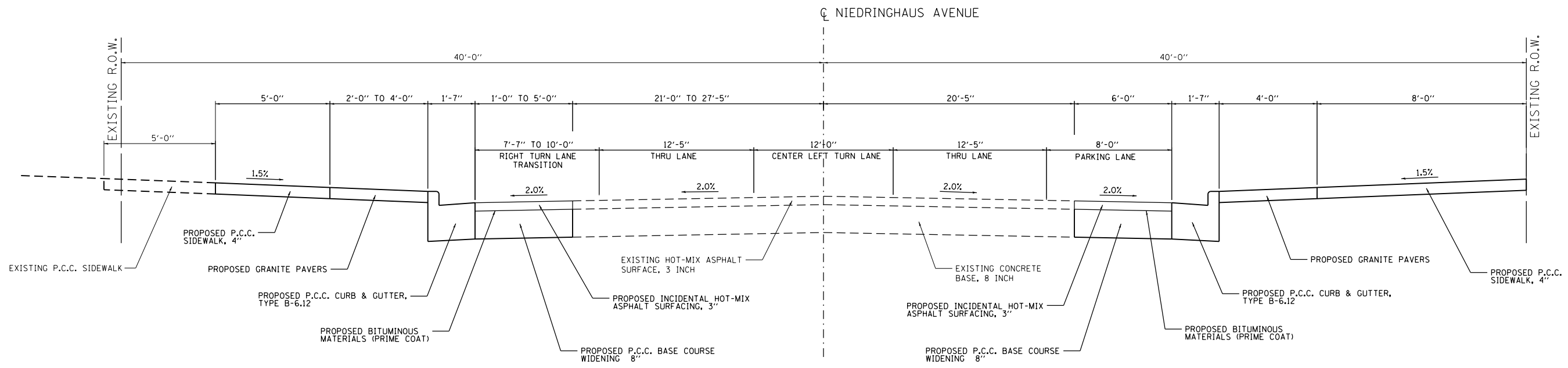
STA. 10+15.28 TO STA. 12+28.18



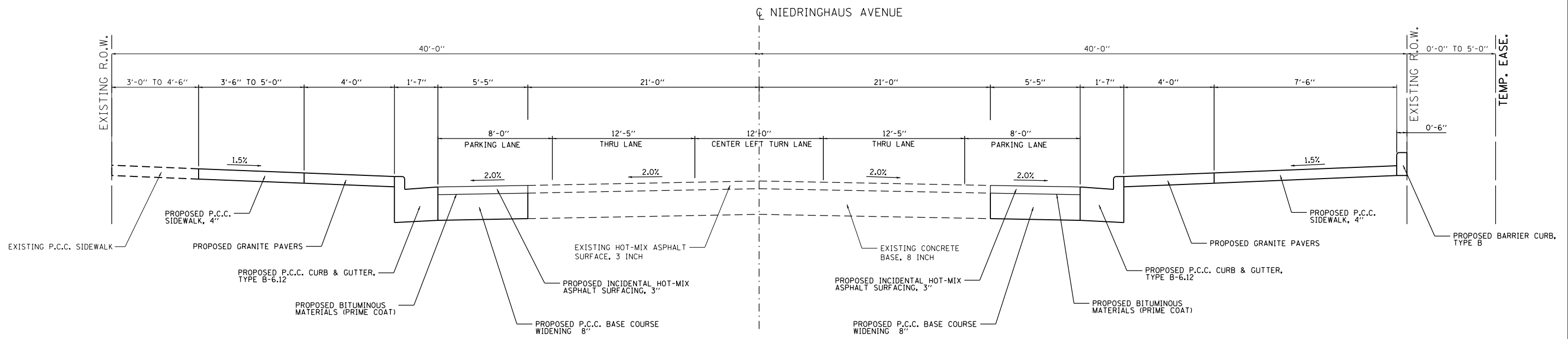
NIEDRINGHAUS AVENUE PROPOSED TYPICAL SECTION

STA. 12+28.18 TO STA. 13+44.11

FILE NAME = typ-proposed.dgn JUNEAU Job No. E110226	USER NAME = tkruerp	DESIGNED - BFK	REVISED -	NIEDRINGHAUS AVENUE STREETSCAPE PHASE 2 GRANITE CITY, ILLINOIS	PROPOSED TYPICALS			F.A.U. RTE. 9090	SECTION 10-00191-00-LS	COUNTY MADISON	TOTAL SHEETS 58	SHEET NO. 8
	PLOT SCALE = 40.0000' / in.	CHECKED - BFK	REVISED -					SCALE: N.T.S.	SHEET NO. 1 OF 5 SHEETS	STA. TO STA.	ILLINOIS FED. AID PROJECT	
PLOT DATE = 2/8/2018	DATE - 5/11/17	REVISED -	REVISED -					CONTRACT NO. 97653				

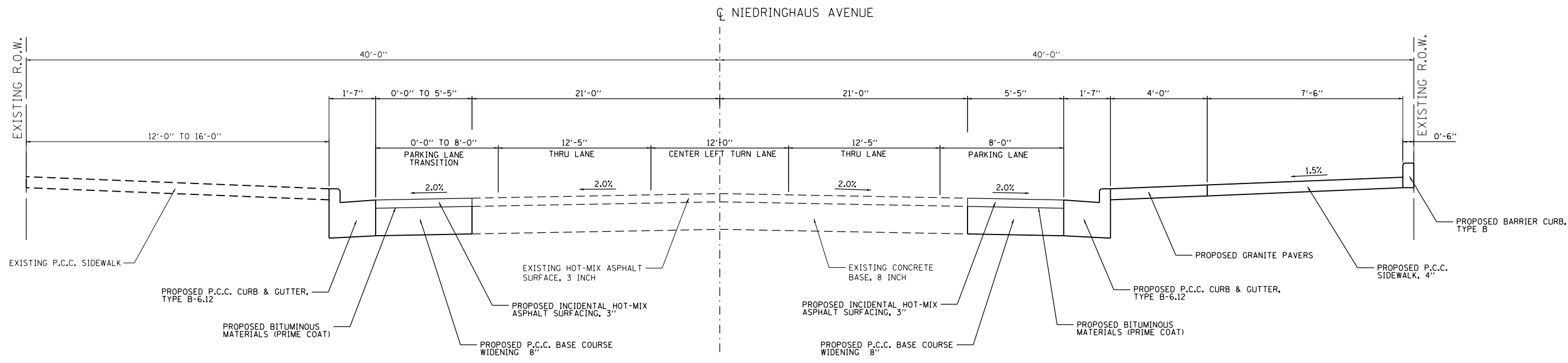


NIEDRINGHAUS AVENUE PROPOSED TYPICAL SECTION
 STA. 13+44.11 TO STA. 13+71.79

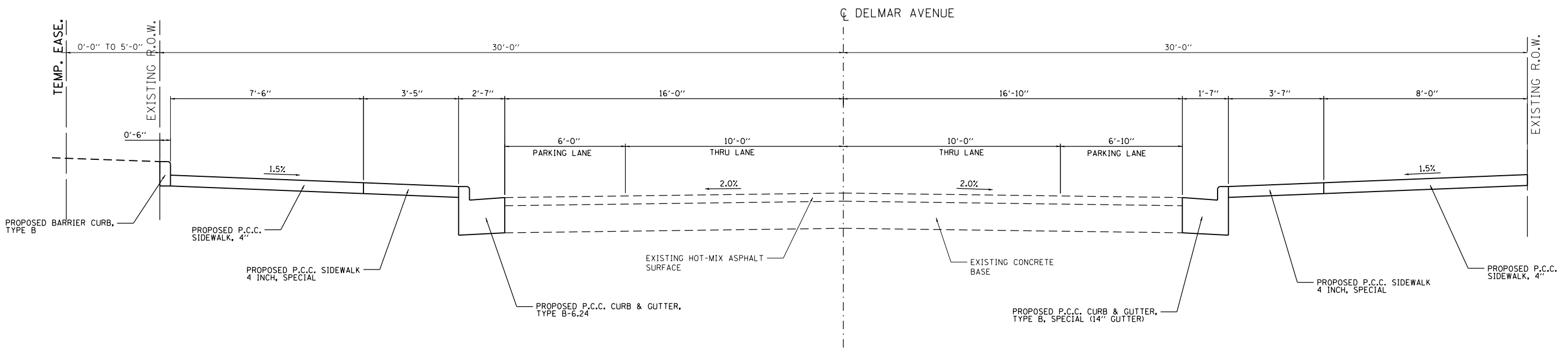


NIEDRINGHAUS AVENUE PROPOSED TYPICAL SECTION
 STA. 13+71.79 TO STA. 15+35.41

FILE NAME = typ-proposed.dgn JUNEAU Job No. E110226	USER NAME = tkruep	DESIGNED - BFK	REVISED -	NIEDRINGHAUS AVENUE STREETSCAPE PHASE 2 GRANITE CITY, ILLINOIS	PROPOSED TYPICALS			F.A.U. RTE. 9090	SECTION 10-00191-00-LS	COUNTY MADISON	TOTAL SHEETS 58	SHEET NO. 9
	PLOT SCALE = 40.0000' / in.	CHECKED - BFK	REVISED -					CONTRACT NO. 97653				
PLOT DATE = 2/8/2018	DATE = 5/11/17	REVISED -	REVISED -	SCALE: N.T.S.	SHEET NO. 2 OF 5 SHEETS	STA.	TO STA.	ILLINOIS FED. AID PROJECT				

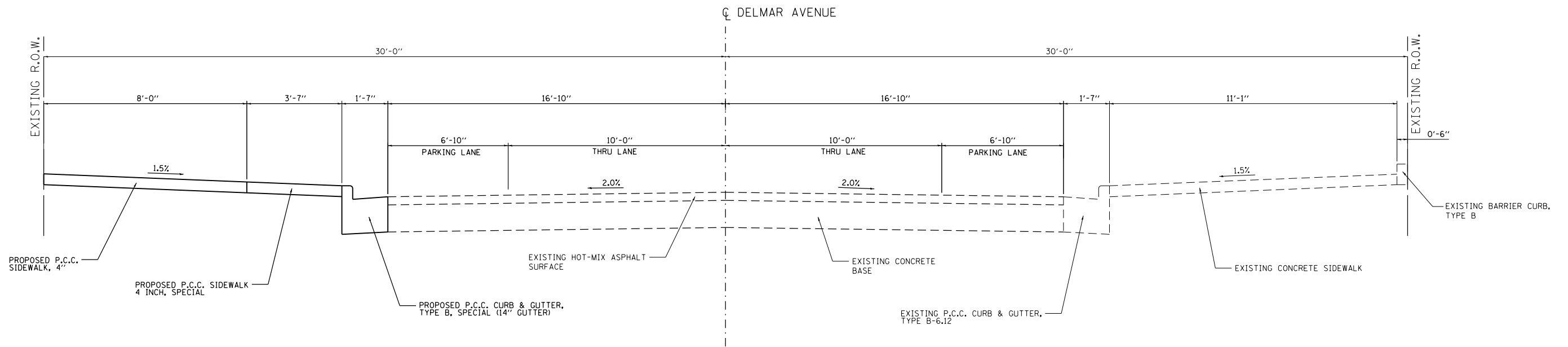


NIEDRINGHAUS AVENUE PROPOSED TYPICAL SECTION
 STA. 15+35.41 TO STA. 15+57.29



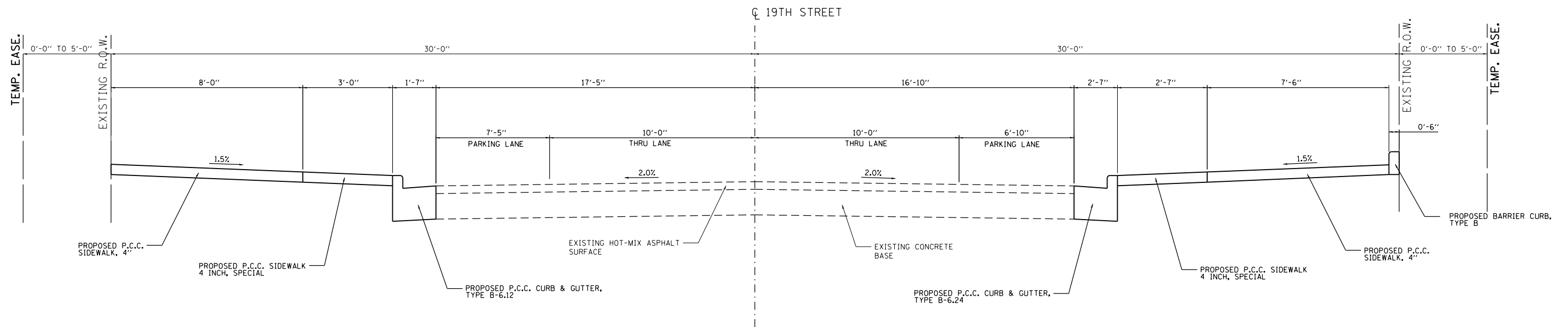
DELMAR AVENUE PROPOSED TYPICAL SECTION
 STA. 49+79.27 TO STA. 52+94.63

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	PLOT SCALE = 40.0000' / in.	CHECKED - BFK	REVISED -					9090	10-00191-00-LS	MADISON	58	10
PLOT DATE = 2/8/2018	DATE - 5/11/17	REVISED -	REVISED -	SCALE: N.T.S.	SHEET NO. 3 OF 5 SHEETS	STA.	TO STA.	ILLINOIS FED. AID PROJECT CONTRACT NO. 97653				



DEL MAR AVENUE PROPOSED TYPICAL SECTION

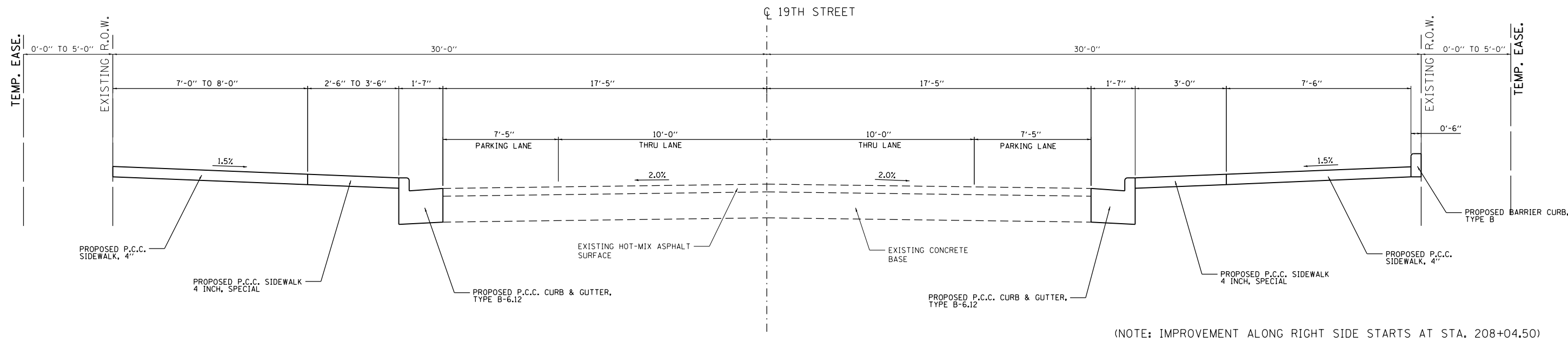
STA. 55+00.00 TO STA. 57+21.62



19TH STREET PROPOSED TYPICAL SECTION

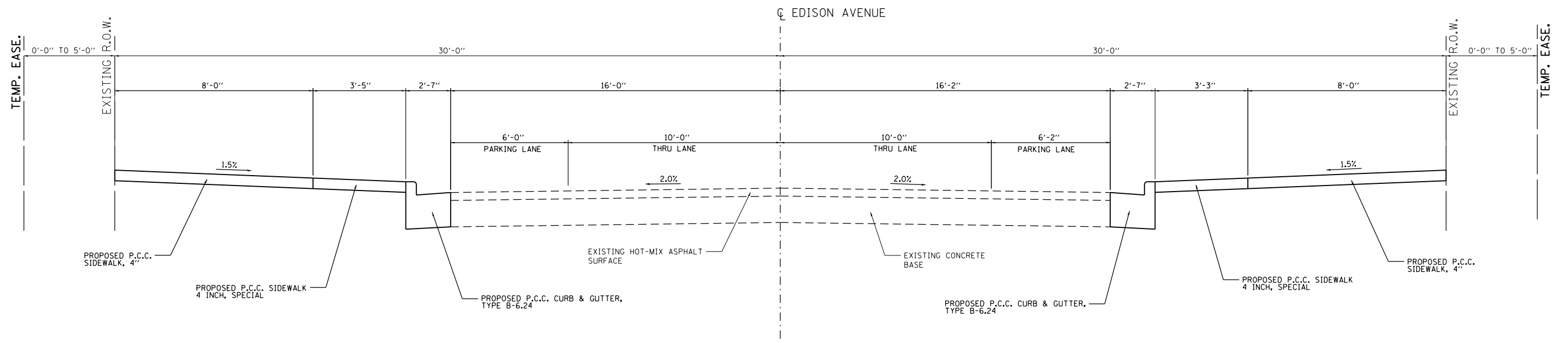
STA. 202+76.65 TO STA. 206+33.88

FILE NAME = typ-proposed.dgn JUNEAU Job No. E110226	USER NAME = tkruep	DESIGNED - BFK	REVISED -	NIEDRINGHAUS AVENUE STREETScape PHASE 2 GRANITE CITY, ILLINOIS	PROPOSED TYPICALS			F.A.U. RTE. 9090	SECTION 10-00191-00-LS	COUNTY MADISON	TOTAL SHEETS 58	SHEET NO. 11
	PLOT SCALE = 40.0000' / in.	CHECKED - BFK	REVISED -					CONTRACT NO. 97653				
PLOT DATE = 2/8/2018	DATE - 5/11/17	REVISED -	REVISED -	SCALE: N.T.S.	SHEET NO. 4 OF 5 SHEETS	STA.	TO STA.	ILLINOIS FED. AID PROJECT				



(NOTE: IMPROVEMENT ALONG RIGHT SIDE STARTS AT STA. 208+04.50)

19TH STREET PROPOSED TYPICAL SECTION
 STA. 206+66.43 TO STA. 210+28.38



EDISON AVENUE PROPOSED TYPICAL SECTION
 STA. 99+80.44 TO STA. 105+69.17

FILE NAME = typ-proposed.dgn	USER NAME = tkruep	DESIGNED - BFK	REVISED -	NIEDRINGHAUS AVENUE STREETScape PHASE 2 GRANITE CITY, ILLINOIS	PROPOSED TYPICALS			F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	
JUNEAU Job No. E110226	PLOT SCALE = 40.0000' / in.	DRAWN - JJB	REVISED -		SCALE: N.T.S.	SHEET NO. 5 OF 5 SHEETS	STA.	TO STA.	9090	10-00191-00-LS	MADISON	58	12
	PLOT DATE = 2/8/2018	CHECKED - BFK	REVISED -						CONTRACT NO. 97653				
		DATE - 5/11/17	REVISED -						ILLINOIS FED. AID PROJECT				

INLET AND PIPE PROTECTION SCHEDULE

LOCATION	INLET AND PIPE PROTECTION (EACH)
NIEDRINGHAUS AVE	
STA. 10+37.82 - 25.25' LT	1
STA. 10+56.66 - 25.23' RT	1
STA. 11+30.48 - 58.76' LT	1
STA. 11+45.56 - 40.61' LT	1
STA. 11+46.82 - 32.61' RT	1
STA. 11+85.23 - 70.28' LT	1
STA. 12+40.92 - 32.47' LT	1
STA. 13+41.82 - 31.36' LT	1
STA. 15+17.47 - 25.28' RT	1
DELMAR AVENUE	
STA. 56+56.83 - 18.93' LT	1
STA. 56+57.00 - 21.55' RT	1
STA. 57+02.25 - 22.57' LT	1
EDISON AVENUE	
STA. 103+68.62 - 17.98' RT	1
STA. 103+68.73 - 16.91' LT	1
19TH STREET	
STA. 203+01.75 - 21.75' RT	1
STA. 203+03.64 - 24.36' LT	1
STA. 203+46.24 - 25.72' LT	1
STA. 203+47.46 - 23.83' RT	1
STA. 206+26.30 - 22.35' LT	1
STA. 206+28.04 - 24.72' RT	1
STA. 206+74.84 - 21.52' LT	1
STA. 208+11.43 - 15.30' RT	1
STA. 208+11.50 - 18.11' LT	1
STA. 209+45.43 - 18.37' RT	1
STA. 209+45.58 - 18.09' LT	1
STA. 209+98.01 - 19.61' LT	1
STA. 209+99.14 - 19.87' RT	1
TOTAL	27

PAVEMENT REMOVAL SCHEDULE

LOCATION	PAVEMENT REMOVAL (SQ YD)
NIEDRINGHAUS AVENUE	
STA. 10+32.50 - 30.00' RT TO STA. 10+52.96 - 60.92' RT	31.7
EDISON AVENUE	
STA. 102+60.76 - 30.00' LT TO STA. 103+74.87 - 30.00' LT	11.5
STA. 103+36.24 - 29.68' RT TO STA. 105+35.34 - 30.00' RT	6.2
STA. 104+14.97 - 29.91' LT TO STA. 105+00.00 - 29.61' LT	2.2
19TH STREET	
STA. 203+55.38 - 30.00' RT TO STA. 203+94.42 - 30.00' RT	1.2
STA. 204+06.41 - 30.00' RT TO STA. 204+17.07 - 30.00' RT	1.1
TOTAL	54

GRANITE PAVERS SCHEDULE

LOCATION	GRANITE PAVERS (SQ FT)
NIEDRINGHAUS AVE	
STA. 10+26.34 - 27.77' LT TO STA. 10+59.54 - 27.74' LT	117.1
STA. 10+42.50 - 27.31' RT TO STA. 10+58.72 - 23.93' RT	58.8
STA. 10+51.41 - 63.34' RT TO STA. 10+70.57 - 46.19' RT	73.9
STA. 10+58.92 - 55.78' LT TO STA. 10+70.61 - 46.30' LT	44.2
STA. 11+02.93 - 69.13' LT TO STA. 11+21.05 - 55.58' LT	70.2
STA. 11+14.81 - 57.09' RT TO STA. 11+30.51 - 46.08' RT	57.3
STA. 11+23.76 - 48.05' LT TO STA. 11+39.10 - 41.44' LT	24.4
STA. 11+34.05 - 37.89' RT TO STA. 11+52.04 - 33.00' RT	45.7
STA. 11+56.20 - 41.56' RT TO STA. 11+64.95 - 46.31' RT	29.8
STA. 12+19.15 - 40.00' RT TO STA. 12+39.26 - 62.42' RT	98.0
STA. 12+21.48 - 32.00' RT TO STA. 12+28.17 - 32.00' RT	29.7
STA. 12+36.15 - 32.00' RT TO STA. 15+30.61 - 29.05' RT	1266.1
STA. 12+42.45 - 32.51' LT TO STA. 12+55.71 - 32.07' LT	38.7
STA. 12+56.21 - 32.51' LT TO STA. 13+39.85 - 32.00' LT	171.1
STA. 13+43.74 - 30.00' LT TO STA. 15+43.27 - 27.11' LT	744.2
TOTAL	2869

PROTECTIVE COAT SCHEDULE

LOCATION	PROTECTIVE COAT (SQ YD)
NIEDRINGHAUS AVENUE	
CURB, AND COMBINATION CURB AND GUTTER	343
PORTLAND CEMENT CONCRETE SIDEWALK	764
DELMAR AVENUE	
CURB, AND COMBINATION CURB AND GUTTER	206
DRIVEWAY PAVEMENT	52
PORTLAND CEMENT CONCRETE SIDEWALK	573
STAMPED CONCRETE	202
EDISON AVENUE	
CURB, AND COMBINATION CURB AND GUTTER	373
DRIVEWAY PAVEMENT	404
PORTLAND CEMENT CONCRETE SIDEWALK	636
STAMPED CONCRETE	200
19TH STREET	
CURB, AND COMBINATION CURB AND GUTTER	454
DRIVEWAY PAVEMENT	193
PORTLAND CEMENT CONCRETE SIDEWALK	1026
STAMPED CONCRETE	288
TOTAL	5714

SIDEWALK, SPECIAL SCHEDULE

LOCATION	PORTLAND CEMENT CONCRETE SIDEWALK 4 INCH SPECIAL (SQ FT)
DELMAR AVENUE	
STA. 50+70.58 - 22.00' LT TO STA. 52+76.13 - 22.56' LT	660.2
STA. 50+75.33 - 21.90' RT TO STA. 52+63.98 - 21.81' RT	622.6
STA. 52+91.78 - 22.57' RT TO STA. 52+95.20 - 22.55' RT	7.0
STA. 55+00.00 - 21.75' LT TO STA. 55+95.88 - 21.75' LT	310.4
STA. 56+20.27 - 23.75' LT TO STA. 56+34.62 - 23.75' LT	63.5
STA. 56+34.86 - 22.00' RT TO STA. 56+47.62 - 23.20' RT	47.2
STA. 56+54.20 - 22.94' RT TO STA. 56+59.48 - 22.94' RT	7.3
STA. 56+55.10 - 29.52' RT TO STA. 56+61.85 - 45.09' RT	70.3
STA. 56+56.66 - 39.75' LT TO STA. 56+61.31 - 44.75' LT	23.3
STA. 56+99.64 - 24.19' LT TO STA. 57+04.04 - 19.64' LT	5.7
EDISON AVENUE	
STA. 100+70.07 - 22.00' LT TO STA. 102+65.34 - 22.00' LT	646.2
STA. 100+72.07 - 22.00' RT TO STA. 102+17.10 - 22.00' RT	449.9
STA. 102+65.84 - 22.17' RT TO STA. 103+49.2 - 22.13' RT	268.1
STA. 103+08.59 - 22.00' LT TO STA. 103+14.72 - 22.00' LT	10.8
STA. 103+85.92 - 22.04' RT TO STA. 103+93.39 - 22.04' RT	15.8
STA. 103+87.13 - 22.00' LT TO STA. 104+10.27 - 22.00' LT	74.2
STA. 104+40.72 - 22.00' LT TO STA. 104+63.48 - 22.00' LT	74.2
STA. 104+47.90 - 22.04' RT TO STA. 104+53.69 - 22.04' RT	9.4
STA. 104+97.19 - 22.03' RT TO STA. 105+20.78 - 22.03' RT	68.5
STA. 105+12.11 - 21.75' LT TO STA. 105+62.01 - 21.75' LT	174.2
STA. 105+66.56 - 22.01' RT TO STA. 105+69.17 - 22.02' RT	4.3
19TH STREET	
STA. 202+76.65 - 22.00' RT TO STA. 202+93.65 - 22.00' RT	47.8
STA. 202+83.61 - 21.94' LT TO STA. 202+95.61 - 21.93' LT	37.3
STA. 203+00.23 - 20.18' RT TO STA. 203+04.83 - 24.15' RT	5.5
STA. 203+02.19 - 20.64' LT TO STA. 203+06.34 - 26.00' LT	6.1
STA. 203+03.10 - 30.73' RT TO STA. 203+06.46 - 45.73' RT	49.7
STA. 203+03.11 - 40.59' LT TO STA. 203+06.90 - 32.58' LT	28.8
STA. 203+43.70 - 45.33' LT TO STA. 203+47.02 - 35.33' LT	33.2
STA. 203+43.78 - 28.75' LT TO STA. 203+49.04 - 20.61' LT	12.3
STA. 203+43.85 - 30.91' RT TO STA. 203+47.10 - 43.91' RT	41.1
STA. 203+44.92 - 25.33' RT TO STA. 203+49.03 - 20.83' RT	4.5
STA. 203+54.61 - 22.00' RT TO STA. 204+67.37 - 22.00' RT	309.9
STA. 203+55.62 - 21.81' LT TO STA. 204+67.56 - 21.86' LT	316.5
STA. 205+07.66 - 21.86' LT TO STA. 206+16.73 - 21.82' LT	309.5
STA. 205+07.92 - 21.88' RT TO STA. 206+18.34 - 22.00' RT	308.5
STA. 206+23.31 - 19.32' LT TO STA. 206+30.51 - 25.49' LT	14.1
STA. 206+24.92 - 20.09' RT TO STA. 206+31.22 - 27.98' RT	16.9
STA. 206+28.11 - 32.07' LT TO STA. 206+31.31 - 40.07' LT	25.5
STA. 206+69.00 - 42.06' LT TO STA. 206+72.11 - 32.06' LT	31.1
STA. 206+70.56 - 25.48' LT TO STA. 206+76.61 - 20.06' LT	14.5
STA. 206+83.19 - 21.80' LT TO STA. 206+94.57 - 21.79' LT	27.5
STA. 207+43.85 - 21.78' LT TO STA. 207+57.46 - 21.77' LT	30.1
STA. 208+06.77 - 21.75' LT TO STA. 209+47.70 - 19.21' LT	455.8
STA. 208+32.36 - 22.25' RT TO STA. 208+84.94 - 22.27' RT	154.4
STA. 209+23.82 - 22.28' RT TO STA. 209+46.96 - 19.47' RT	63.4
STA. 209+49.32 - 29.47' LT TO STA. 209+55.01 - 45.81' LT	77.4
STA. 209+52.13 - 44.42' RT TO STA. 209+55.00 - 29.79' RT	42.6
STA. 209+94.88 - 39.72' LT TO STA. 209+99.91 - 44.72' LT	24.7
STA. 209+95.12 - 44.45' RT TO STA. 209+97.02 - 44.45' RT	26.7
STA. 209+96.90 - 23.18' RT TO STA. 210+01.46 - 23.32' RT	10.4
STA. 210+07.98 - 21.86' RT TO STA. 210+22.40 - 21.85' RT	41.2
STA. 210+19.30 - 18.60' LT TO STA. 210+23.34 - 23.86' LT	20.2
TOTAL	6200

PAVEMENT MARKING SCHEDULE

LOCATION	TYPE	PREFORMED PLASTIC PAVEMENT MARKING, TYPE B - GROOVED						TEMPORARY PAVEMENT MARKING					RAISED REFLECTIVE PAVEMENT MARKER		GROOVING FOR RECESSED PAVEMENT MARKING				
		4" YELLOW (FOOT)	4" WHITE (FOOT)	6" WHITE (FOOT)	12" WHITE (FOOT)	24" WHITE (FOOT)	LETTERS & SYMBOLS (WHITE) (SQ FT)	LINE 4" (FOOT)	LINE 6" (FOOT)	LINE 12" (FOOT)	LINE 24" (FOOT)	LETTERS & SYMBOLS (SQ FT)	ONE-WAY CRYSTAL (EACH)	TWO-WAY AMBERS (EACH)	LINE 5" (FOOT)	LINE 7" (FOOT)	LINE 13" (FOOT)	LINE 25" (FOOT)	LETTERS & SYMBOLS (SQ FT)
NIEDRINGHAUS AVENUE	STOP BAR				142					142			9	10			142		
	CROSSWALK			789		521			789		521					789		521	
	DOUBLE CENTERLINE	638						638							638				
	PARKING / DIAGONAL		641		155			641		155					641		155		
	LANE LINE / SKIP-DASH		316					316							316				
	LETTERS AND SYMBOLS					100					100								348
DELMAR AVENUE	STOP BAR				83					83							83		
	CROSSWALK			525		69			525		69					525		69	
EDISON AVENUE	STOP BAR				16					16							16		
	CROSSWALK			68					68						68				
19TH STREET	STOP BAR				158					158							158		
	CROSSWALK			514					514						514				
TOTAL		638	957	1896	554	590	100	1595	1896	554	590	100	9	10	1595	1896	554	590	348
		1595										19							

SEEDING SCHEDULE

LOCATION	TEMPORARY EROSION CONTROL SEEDING	SEEDING CLASS 1	NITROGEN FERT NUTR	PHOSPHORUS FERT NUTR	POTASSIUM FERT NUTR	MULCH METHOD 2
	(LB)	(ACRE)	(LB)	(LB)	(LB)	(ACRE)
NIEDRINGHAUS AVENUE STREETScape PHASE 2	25	0.25	22.5	22.5	22.5	0.50
TOTAL	25	0.25	23	23	23	0.50

COLD MIX ASPHALT SCHEDULE

LOCATION	COLD MIX ASPHALT (TONS)
NIEDRINGHAUS STREETScape	
STA. 12+76.48 RT	0.4
STA. 13+09.49 RT	0.4
STA. 13+28.16 RT	0.4
STA. 13+41.19 RT	0.4
STA. 13+57.88 RT	0.4
STA. 55+05.91 LT	0.7
STA. 55+76.45 LT	0.8
STA. 55+84.62 LT	0.7
STA. 51+35.99 RT	0.8
STA. 51+84.79 RT	1.0
STA. 52+13.84 RT	0.8
STA. 52+42.32 RT	0.8
STA. 101+89.48 LT	0.9
STA. 102+80.31 LT	0.9
STA. 103+83.17 LT	0.9
STA. 102+88.40 RT	2.3
STA. 203+80.38 LT	0.8
STA. 204+33.09 LT	0.8
STA. 204+67.00 LT	0.8
STA. 207+07.49 RT	0.8
STA. 209+50.44 LT	0.8
TOTAL	18

SIGN SCHEDULE

LOCATION	LT/RT	PROPOSED OFFSET (FOOT)	DESCRIPTION	SIGN PANEL TYPE 1 (SQ FT)	TELESCOPING STEEL SIGN SUPPORT (FOOT)
NIEDRINGHAUS AVENUE					
STA. 10+43.72	RT	26.23	R1-5b (36"X36")	9.00	13.0
STA. 10+52.71	LT	62.38	R1-5b (36"X36")	9.00	15.0
STA. 11+17.97	RT	67.29	R1-5b (36"X36")	9.00	15.0
STA. 11+44.90	RT	4.00	R10-12 (24"X30")	5.00	
STA. 11+78.70	LT	75.29	R1-5b (36"X36")	9.00	15.0
STA. 12+31.59	RT	53.36	R1-5b (36"X36")	9.00	13.0
STA. 12+50.17	LT	32.92	R1-5b (36"X36")	9.00	13.0
STA. 12+81.66	RT	29.98	R7-8 (12"X18")	1.50	
			R7-1101 (12"X6")	0.50	11.0
STA. 15+11.39	LT	29.98	R7-8 (12"X18")	1.50	
			R7-1101 (12"X6")	0.50	11.0
TOTAL				63	106

COMBINATION CONCRETE CURB AND GUTTER SCHEDULE

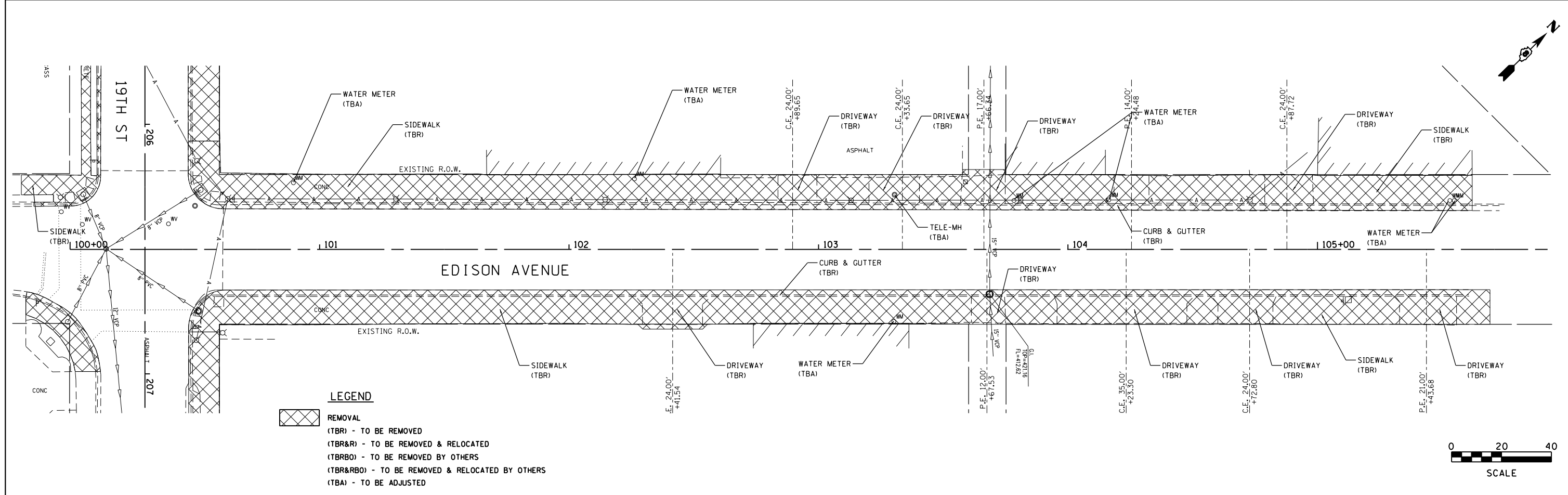
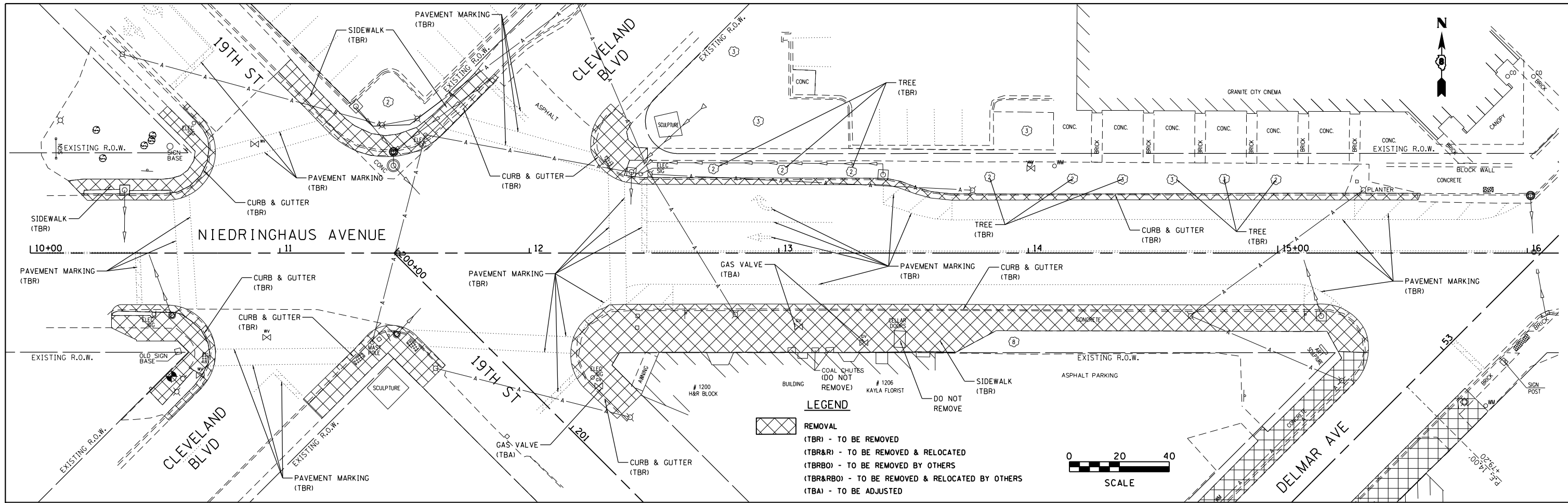
LOCATION	COMBINATION CONCRETE CURB AND GUTTER, TYPE B-6.24 (FOOT)	COMBINATION CONCRETE CURB AND GUTTER, TYPE B-6.12 (FOOT)	COMBINATION CONCRETE CURB AND GUTTER, TYPE B, SPECIAL (FOOT)	CONCRETE CURB, TYPE B (FOOT)
NIEDRINGHAUS AVENUE				
STA. 10+20.29 - 23.11' LT TO STA. 10+61.84 - 58.67' LT	83.3			
STA. 10+26.33 - 35.77' LT TO STA. 10+53.24 - 50.14' LT				53.4
STA. 10+32.62 - 23.73' RT TO STA. 10+54.19 - 65.84' RT	82.0			
STA. 10+36.44 - 66.98' RT TO STA. 10+42.50 - 35.31' RT				61.3
STA. 10+98.91 - 72.19' LT TO STA. 11+84.18 - 69.22' LT	107.6			
STA. 11+10.75 - 60.09' RT TO STA. 11+53.78 - 33.67' RT	55.7			
STA. 11+22.77 - 65.14' RT TO STA. 11+57.29 - 53.97' RT				48.8
STA. 11+30.88 - 56.33' LT TO STA. 11+74.94 - 71.48' LT				55.2
STA. 11+53.78 - 33.67' RT TO STA. 11+65.41 - 45.85' RT		16.8		
STA. 12+28.18 - 23.82' RT TO STA. 12+36.68 - 65.00' RT	51.6			
STA. 12+28.18 - 23.82' RT TO STA. 15+05.40 - 27.42' RT		278.9		
STA. 12+34.09 - 58.41' LT TO STA. 12+38.80 - 30.40' LT	36.4			
STA. 12+38.80 - 30.40' LT TO STA. 15+57.03 - 23.26' LT		318.8		
STA. 13+70.97 - 40.00' RT TO STA. 15+23.10 - 40.00' RT				152.1
STA. 15+05.40 - 27.42' RT TO STA. 15+34.30 - 39.92' RT	40.8			
DELMAR AVENUE				
STA. 50+70.58 - 30.00' LT TO STA. 52+21.68 - 30.00' LT				151.1
STA. 50+70.58 - 17.85' LT TO STA. 52+76.52 - 22.14' LT	206.9			
STA. 50+75.33 - 17.97' RT TO STA. 52+95.20 - 17.95' RT			219.9	
STA. 52+26.98 - 30.00' LT TO STA. 52+68.54 - 30.00' LT				41.6
STA. 55+00.00 - 17.63' LT TO STA. 56+61.89 - 44.75' LT			183.6	
STA. 56+34.86 - 18.14' RT TO STA. 56+62.59 - 45.09' RT		49.4		
STA. 56+98.05 - 36.77' LT TO STA. 57+16.62 - 18.00' LT		32.8		
EDISON AVENUE				
STA. 100+70.07 - 30.00' LT TO STA. 101+66.98 - 30.00' LT				96.9
STA. 100+70.07 - 18.22' LT TO STA. 105+62.01 - 17.55' LT	491.9			
STA. 100+72.07 - 30.00' RT TO STA. 102+29.54 - 30.00' RT				157.5
STA. 100+72.07 - 18.31' RT TO STA. 105+69.17 - 18.17' RT	507.7			
19TH STREET				
STA. 202+78.61 - 18.08' LT TO STA. 203+07.27 - 40.58' LT	46.5			
STA. 202+81.65 - 30.00' RT TO STA. 202+95.10 - 45.73' RT				29.2
STA. 202+81.65 - 18.71' RT TO STA. 203+07.04 - 45.73' RT	47.6			
STA. 202+83.61 - 29.94' LT TO STA. 202+95.11 - 40.58' LT				22.2
STA. 203+43.08 - 45.33' LT TO STA. 206+31.88 - 29.44' LT		317.1		
STA. 203+43.37 - 43.91' RT TO STA. 205+05.11 - 19.17' RT	182.2			
STA. 203+54.52 - 45.33' LT TO STA. 203+67.62 - 29.33' LT				29.1
STA. 203+55.10 - 38.91' RT TO STA. 204+80.10 - 30.00' RT				133.9
STA. 204+95.11 - 29.86' LT TO STA. 206+20.11 - 40.07' LT				135.1
STA. 205+05.11 - 19.17' RT TO STA. 206+31.94 - 44.56' RT		148.0		
STA. 205+33.41 - 29.90' RT TO STA. 206+19.79 - 49.56' RT				105.9
STA. 206+31.88 - 29.44' LT TO STA. 206+31.89 - 40.07' LT	10.6			
STA. 206+68.42 - 31.50' LT TO STA. 206+68.42 - 42.06' LT	10.6			
STA. 206+68.42 - 31.50' LT TO STA. 209+55.73 - 45.81' LT		317.8		
STA. 206+ 69.10 - 47.63' RT TO STA. 206+99.06 - 19.16' RT	44.0			
STA. 206+80.11 - 42.06' LT TO STA. 207+07.20 - 29.79' LT				39.4
STA. 207+31.20 - 29.78' LT TO STA. 207+70.11 - 29.77' LT				38.9
STA. 207+94.11 - 29.76' LT TO STA. 208+74.49 - 29.69' LT				80.4
STA. 208+19.88 - 30.25' RT TO STA. 208+97.39 - 30.27' RT				77.5
STA. 208+06.48 - 18.65' RT TO STA. 209+55.73 - 44.42' RT		170.1		
STA. 209+11.39 - 30.28' RT TO STA. 209+45.13 - 44.42' RT				47.9
STA. 209+94.34 - 44.72' LT TO STA. 210+23.29 - 18.28' LT		50.9		
STA. 209+94.50 - 44.45' RT TO STA. 210+27.40 - 18.60' RT		54.5		
STA. 210+05.02 - 44.45' RT TO STA. 210+22.40 - 29.85' RT				32.1
TOTAL	2005	1755	404	1590

ELECTRICAL AND LIGHTING SCHEDULE

LOCATION	STATION	UNDERGROUND CONDUIT, COILABLE NON-MET. 1" DIA. (FOOT)	UNDERGROUND CONDUIT, PVC 3" DIA. (FOOT)	ELECTRIC CABLE IN CONDUIT, 600V, XLP-TYPE USE, 1/C (FOOT)	ELECTRIC CABLE ASSEMBLY IN CONDUIT, 600V, 2/C (FOOT)	HANDHOLE (SPECIAL) (EACH)	LIGHT POLE (SPECIAL) (EACH)	LIGHT POLE FOUNDATION 24" DIA. (FOOT)	LIGHTING CONTROLLER 240V, 100 AMP (EACH)	ELECTRICAL SERVICE INSTALLATION (EACH)
SERV. TO LCC	NIEDRINGHAUS STREETSCAPE		16	72						1
LCC	STA. 102+13.51 - 162.78' RT	6			12				1	
LCC TO P26	STA. 102+13.51 - 162.78' RT TO STA. 102+13.54 - 157.23' RT	12			12					
P26	STA. 102+13.54 - 157.23' RT	8			18	1				
P26 TO P25	STA. 102+13.54 - 157.23' RT TO STA. 102+14.08 - 26.14' RT	262			262					
P25	STA. 102+14.08 - 26.14' RT	10			25	1				
P25 TO L40	STA. 102+14.08 - 26.14' RT TO STA. 105+62.94 - 20.72' RT	353			353					
L36	STA. 103+15.43 - 20.93' RT	6			35		1	5		
L38	STA. 104+50.74 - 20.80' RT	6			35		1	5		
L40	STA. 105+62.94 - 20.72' RT	3			32		1	5		
P25 TO P20	STA. 102+14.08 - 26.14' RT TO STA. 100+58.66 - 25.48' RT	316			316					
L34	STA. 101+90.48 - 20.90' RT	6			35		1	5		
L32	STA. 100+65.52 - 20.88' RT	6			35		1	5		
P20	STA. 100+58.66 - 25.48' RT	12			25	1				
P20 TO P21	STA. 100+58.66 - 25.48' RT TO STA. 209+49.61 - 24.62' LT	564			282					
L41	STA. 207+43.44 - 20.57' LT	6			35		1	5		
L42	STA. 208+35.99 - 20.58' LT	6			35		1	5		
L44	STA. 209+41.12 - 19.32' LT	6			35		1	5		
P21	STA. 209+49.61 - 24.62' LT	12			16	1				
P21 TO P22	STA. 209+49.61 - 24.62' LT TO STA. 209+49.29 - 26.13' RT	102			51					
P22	STA. 209+49.29 - 26.13' RT	12			23	1				
P22 TO L43	STA. 209+49.29 - 26.13' RT TO STA. 208+85.35 - 20.71' RT	66			66					
L43	STA. 208+85.35 - 20.71' RT	3			32		1	5		
P22 TO L45	STA. 209+49.29 - 26.13' RT TO STA. 209+53.20 - 37.42' RT	12			12					
L45	STA. 209+53.20 - 37.42' RT	3			32		1	5		
P22 TO P23	STA. 209+49.29 - 26.13' RT TO STA. 210+03.52 - 26.89' RT	108			54					
P23	STA. 210+03.52 - 26.89' RT	10			9	1				
P23 TO L46	STA. 210+03.52 - 26.89' RT TO STA. 210+11.37 - 20.71' RT	10			10					
L46	STA. 210+11.37 - 20.71' RT	3			32		1	5		
P23 TO P24	STA. 210+03.52 - 26.89' RT TO STA. 210+01.19 - 23.20' LT	100			0					
P24	STA. 210+01.19 - 23.20' LT	10			9	1				
P24 TO L47	STA. 210+01.19 - 23.20' LT TO STA. 209+97.15 - 35.81' LT	13			13					
L47	STA. 209+97.15 - 35.81' LT	3			32		1	5		
P21 TO P24	STA. 209+49.61 - 24.62' LT TO STA. 210+01.19 - 23.20' LT	104			52					
P20 TO P18	STA. 100+58.66 - 25.48' RT TO STA. 100+59.11 - 26.56' LT	104			104					
P18	STA. 100+59.11 - 26.56' LT	14			32	1				
P18 TO L39	STA. 100+59.11 - 26.56' LT TO STA. 105+12.51 - 20.60' LT	457			457					
L33	STA. 101+27.95 - 20.86' LT	6			35		1	5		
L35	STA. 102+52.95 - 20.86' LT	6			35		1	5		
L37	STA. 103+87.54 - 20.97' LT	6			35		1	5		
L39	STA. 105+12.51 - 20.60' LT	3			32		1	5		
P18 TO P19	STA. 100+59.11 - 26.56' LT TO STA. 100+02.59 - 28.36' LT	114			57					
P19	STA. 100+02.59 - 28.36' LT	8			16	1				
P19 TO L31	STA. 100+02.59 - 28.36' LT TO STA. 99+91.88 - 20.73' LT	13			13					
L31	STA. 99+91.88 - 20.73' LT	3			32		1	5		
P19 TO P16	STA. 100+02.59 - 28.36' LT TO STA. 50+02.02 - 26.48' RT	278			278					
L29	STA. 205+61.75 - 20.82' RT	6			35		1	5		
L27	STA. 204+62.93 - 20.94' RT	6			35		1	5		
L25	STA. 203+58.17 - 20.90' RT	6			35		1	5		
P16	STA. 50+02.02 - 26.48' RT	10			9	1				
P16 TO P17	STA. 50+02.02 - 26.48' RT TO STA. 50+62.40 - 26.48' RT	120			0					
P16 TO P15	STA. 50+02.02 - 26.48' RT TO STA. 50+02.71 - 28.13' LT	110			55					
P15	STA. 50+02.71 - 28.13' LT	10			16	1				
P15 TO L24	STA. 50+02.71 - 28.13' LT TO STA. 49+95.78 - 20.89' LT	10			10					
L24	STA. 49+95.78 - 20.89' LT	3			32		1	5		
P15 TO P14	STA. 50+02.71 - 26.48' RT TO STA. 50+59.30 - 26.23' LT	114			57					
P18 TO P17	STA. 100+59.11 - 26.56' LT TO STA. 50+62.40 - 26.48' RT	570			570					
L30	STA. 206+13.22 - 20.58' LT	6			35		1	5		
L28	STA. 205+12.33 - 20.60' LT	6			35		1	5		
L26	STA. 204+13.52 - 20.50' LT	6			32		1	5		
P17	STA. 50+62.40 - 26.48' RT	14			16	1				
P17 TO L20	STA. 50+62.40 - 26.48' RT TO STA. 100+58.66 - 25.48' RT	149			149					
L22	STA. 50+68.87 - 20.71' RT	6			35		1	5		
	SUBTOTAL THIS SCHEDULE	4323	16	72	4307	12	25	125	1	1

ELECTRICAL AND LIGHTING SCHEDULE, CONT'D.

LOCATION	STATION	UNDERGROUND CONDUIT, COILABLE NON-MET. 1" DIA. (FOOT)	UNDERGROUND CONDUIT, PVC 3" DIA. (FOOT)	ELECTRIC CABLE IN CONDUIT, 600V, XLP-TYPE USE, 1/C (FOOT)	ELECTRIC CABLE ASSEMBLY IN CONDUIT, 600V, 2/C (FOOT)	HANDHOLE (SPECIAL) (EACH)	LIGHT POLE (SPECIAL) (EACH)	LIGHT POLE FOUNDATION 24" DIA. (FOOT)	LIGHTING CONTROLLER 240V, 100 AMP (EACH)	ELECTRICAL SERVICE INSTALLATION (EACH)
	NIEDRINGHAUS STREETSCAPE									
L20	STA. 52+08.71 - 20.66' RT	3			32		1	5		
P17 TO P14	STA. 50+62.40 - 26.48' RT TO STA. 50+59.30 - 26.23' LT	106			53					
P14	STA. 50+59.30 - 26.23' LT	12			18	1				
P14 TO L23	STA. 50+59.30 - 26.23' LT TO STA. 202+90.77 - 20.84' LT	12			12					
L23	STA. 202+90.77 - 20.84' LT	3			32		1	5		
P14 TO P9	STA. 50+59.30 - 26.23' LT TO STA. 15+27.84 - 35.20' RT	223			223					
L21	STA. 51+38.68 - 20.91' LT	6			35		1	5		
L19	STA. 52+63.84 - 20.93' LT	6			35		1	5		
P9	STA. 15+27.84 - 35.20' RT	8			16	1				
P9 TO P7	STA. 15+27.84 - 35.20' RT TO STA. 12+32.34 - 30.76' RT	300			300					
L10	STA. 14+90.44 - 30.87' RT	6			35		1	5		
L8	STA. 13+64.39 - 30.80' RT	6			35		1	5		
L6	STA. 12+38.36 - 25.71' RT	6			35		1	5		
P7	STA. 12+32.34 - 30.76' RT	10			9	1				
P7 TO P4	STA. 12+32.34 - 30.76' RT TO STA. 12+33.93 - 39.01' LT	140			0					
P7 TO P6	STA. 12+32.34 - 30.76' RT TO STA. 11+44.08 - 35.99' RT	184			92					
P6	STA. 11+44.08 - 35.99' RT	10			16	1				
P6 TO L5	STA. 11+44.08 - 35.99' RT TO STA. 200+41.62 - 20.83' RT	18			18					
L5	STA. 200+41.62 - 20.83' RT	3			32		1	5		
P6 TO P5	STA. 11+44.08 - 35.99' RT TO STA. 10+66.32 - 33.97' RT	162			81					
P5	STA. 10+66.32 - 33.97' RT	10			9	1				
P5 TO L4	STA. 10+66.32 - 33.97' RT TO STA. 10+67.63 - 48.72' RT	15			15					
L4	STA. 10+67.63 - 48.72' RT	3			32		1	5		
P5 TO P1	STA. 10+66.32 - 33.97' RT TO STA. 10+66.50 - 34.25' LT	136			0					
P7 TO P8	STA. 12+32.34 - 30.76' RT TO STA. 15+74.79 - 26.11' LT	154			77					
P8	STA. 15+74.79 - 26.11' LT	8			16	1				
P8 TO P4	STA. 15+74.79 - 26.11' LT TO STA. 12+33.93 - 39.01' LT	346			346					
L11	STA. 15+70.02 - 26.16' LT	6			35		1	5		
L9	STA. 14+26.17 - 30.90' LT	6			35		1	5		
L7	STA. 13+04.70 - 31.19' LT	6			35		1	5		
P4	STA. 12+33.93 - 39.01' LT	12			16	1				
P4 TO L3	STA. 12+33.93 - 39.01' LT TO STA. 12+29.55 - 46.31' LT	9			9					
L3	STA. 12+29.55 - 46.31' LT	3			32		1	5		
P4 TO P3	STA. 12+33.93 - 39.01' LT TO STA. 11+63.51 - 54.90' LT	144			72					
P3	STA. 11+63.51 - 54.90' LT	8			9	1				
P3 TO P2	STA. 11+63.51 - 54.90' LT TO STA. 11+24.34 - 53.00' LT	88			44					
P2	STA. 11+24.34 - 53.00' LT	10			16	1				
P2 TO L2	STA. 11+24.34 - 53.00' LT TO STA. 11+16.91 - 58.00' LT	9			9					
L2	STA. 11+16.91 - 58.00' LT	3			32		1	5		
P2 TO P1	STA. 11+24.34 - 53.00' LT TO STA. 10+66.50 - 34.25' LT	122			61					
P1	STA. 10+66.50 - 34.25' LT	10			9	1				
P1 TO L1	STA. 10+66.50 - 34.25' LT TO STA. STA. 10+57.44 - 26.63' LT	12			12					
L1	STA. 10+57.44 - 26.63' LT	3			32		1	5		
P8 TO P10	STA. 15+74.79 - 26.11' LT TO STA. 55+01.82 - 26.28' LT	156			156					
P10	STA. 55+01.82 - 26.28' LT	4			9	1				
P10 TO P11	STA. 55+01.82 - 26.28' LT TO STA. 56+51.07 - 27.77' LT	153			153					
L13	STA. 55+14.63 - 20.58' LT	6			35		1	5		
L15	STA. 56+45.25 - 21.58' LT	6			35		1	5		
P11	STA. 56+51.07 - 27.77' LT	10			16	1				
P11 TO P12	STA. 56+51.07 - 27.77' LT TO STA. 57+07.63 - 25.86' LT	114			57					
P12	STA. 57+07.63 - 25.86' LT	8			16	1				
P12 TO L17	STA. 57+07.63 - 25.86' LT TO STA. 57+00.21 - 34.94' LT	12			12					
L17	STA. 57+00.21 - 34.94' LT	3			32		1	5		
P12 TO L18	STA. 57+07.63 - 25.86' LT TO STA. 57+12.19 - 19.89' LT	8			8					
L18	STA. 57+12.19 - 19.89' LT	3			32		1	5		
P11 TO P13	STA. 56+51.07 - 27.77' LT TO STA. 56+50.43 - 26.73' RT	110			55					
P13	STA. 56+50.43 - 26.73' RT	8			16	1				
P13 TO L12	STA. 56+50.43 - 26.73' RT TO STA. 54+51.87 - 20.12' RT	203			203					
L14	STA. 55+76.98 - 20.80' RT	6			35		1	5		
L12	STA. 54+51.87 - 20.12' RT	3			32		1	5		
P13 TO L16	STA. 56+50.43 - 26.73' RT TO STA. 56+58.60 - 32.32' RT	10			10					
L16	STA. 56+58.60 - 32.32' RT	3			32		1	5		
	SUBTOTAL THIS SCHEDULE	3173	0	0	3006	14	22	110	0	0
	TOTAL QUANTITY	7496	16	72	7313	26	47	235	1	1



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 JUNEAU Job No. E1102226

USER NAME = tkruerp
 PLOT SCALE = 40.0000' / in.
 PLOT DATE = 2/16/2018

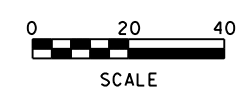
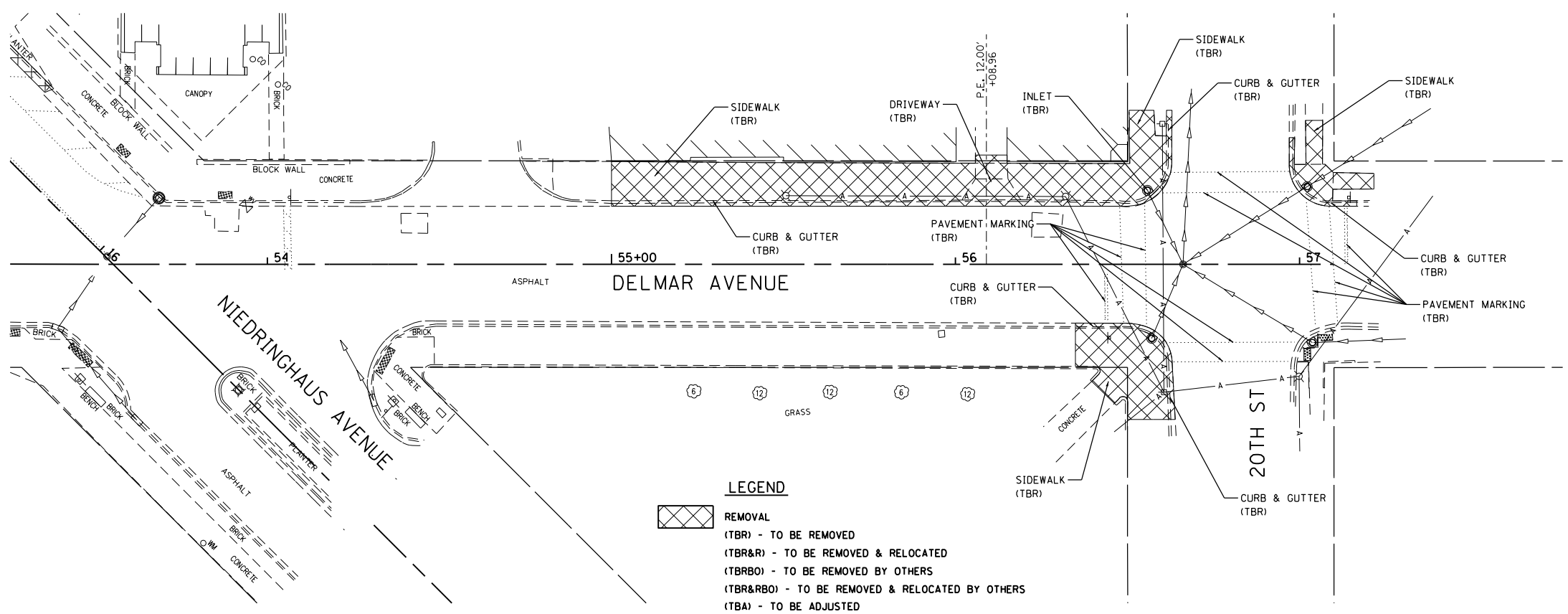
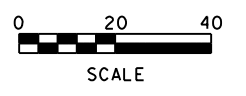
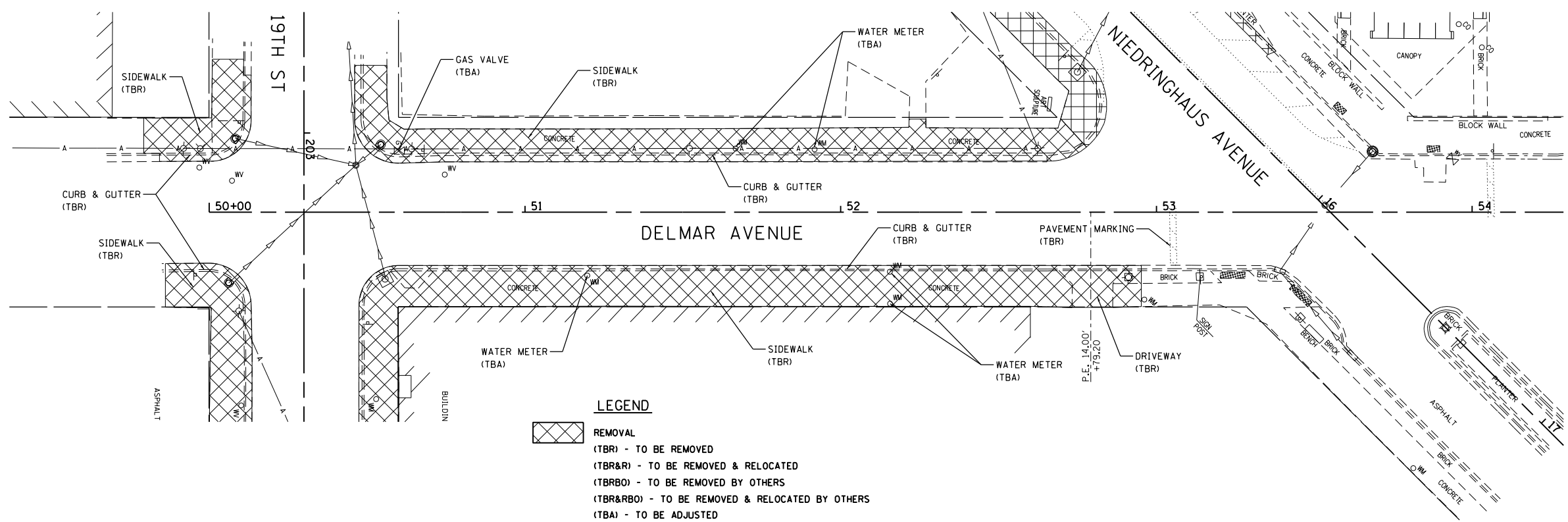
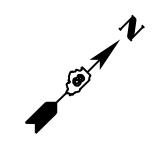
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 DRAWN - SAS
 CHECKED - BFK
 DATE - 5/11/17

REVISED -
 REVISED -
 REVISED -
 REVISED -

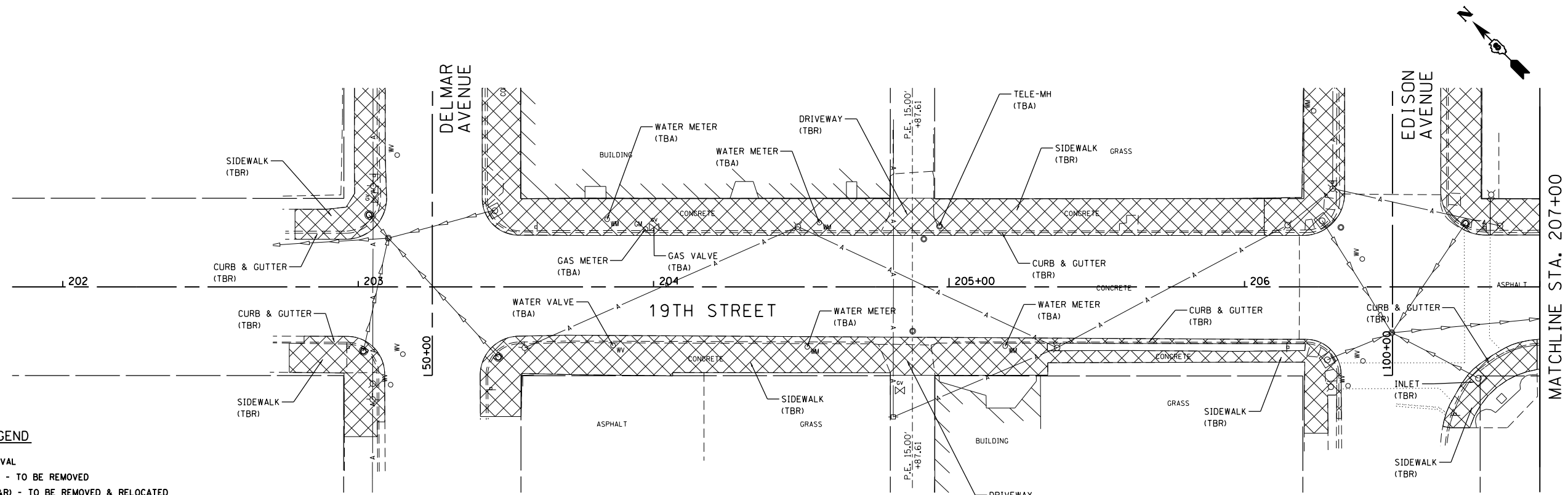
**NIEDRINGHAUS AVENUE STREETScape PHASE 2
 GRANITE CITY, ILLINOIS**

REMOVAL
 SCALE: 1" = 20'
 SHEET NO. 1 OF 3 SHEETS
 STA. TO STA.


F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
9090	10-00191-00-LS	MADISON	58	20
CONTRACT NO. 97653				
ILLINOIS FED. AID PROJECT				



FILE NAME = Removal 02.dgn	USER NAME = tkruep	DESIGNED - BFK	REVISED -	NIEDRINGHAUS AVENUE STREETSCAPE PHASE 2 GRANITE CITY, ILLINOIS	REMOVAL			F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	
JUNEAU Job No. E110226	PLOT SCALE = 40.0000' / in.	DRAWN - SAS	REVISED -		SCALE: 1" = 20'	SHEET NO. 2 OF 3 SHEETS	STA.	TO STA.	9090	10-00191-00-LS	MADISON	58	21
	PLOT DATE = 2/16/2018	CHECKED - BFK	REVISED -						CONTRACT NO. 97653				
		DATE - 5/11/17	REVISED -						ILLINOIS FED. AID PROJECT				



LEGEND

 REMOVAL

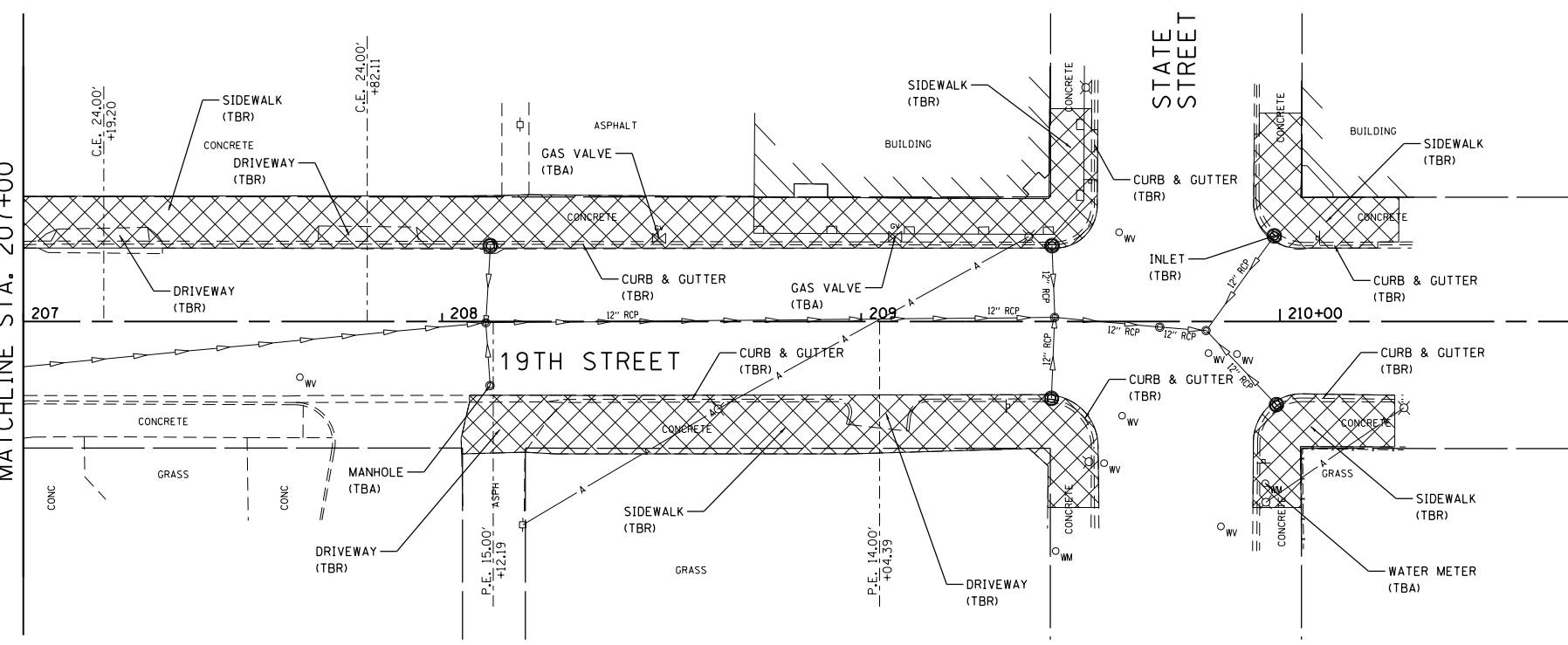
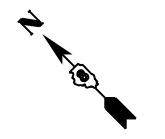
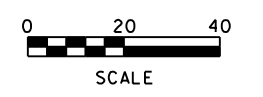
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(TBR&R) - TO BE REMOVED & RELOCATED


(TBRBO) - TO BE REMOVED BY OTHERS

(TBR&RBO) - TO BE REMOVED & RELOCATED BY OTHERS

(TBA) - TO BE ADJUSTED



LEGEND

 REMOVAL

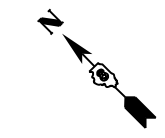
(TBR) - TO BE REMOVED

(TBR&R) - TO BE REMOVED & RELOCATED

(TBRBO) - TO BE REMOVED BY OTHERS

(TBR&RBO) - TO BE REMOVED & RELOCATED BY OTHERS

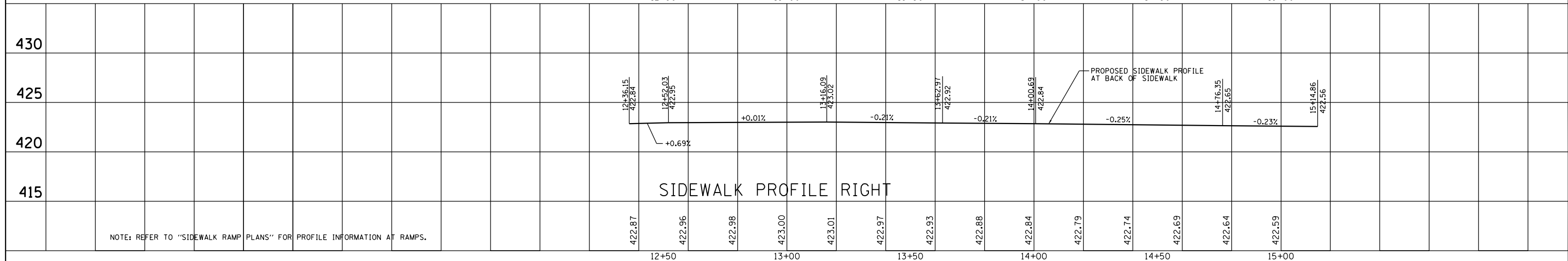
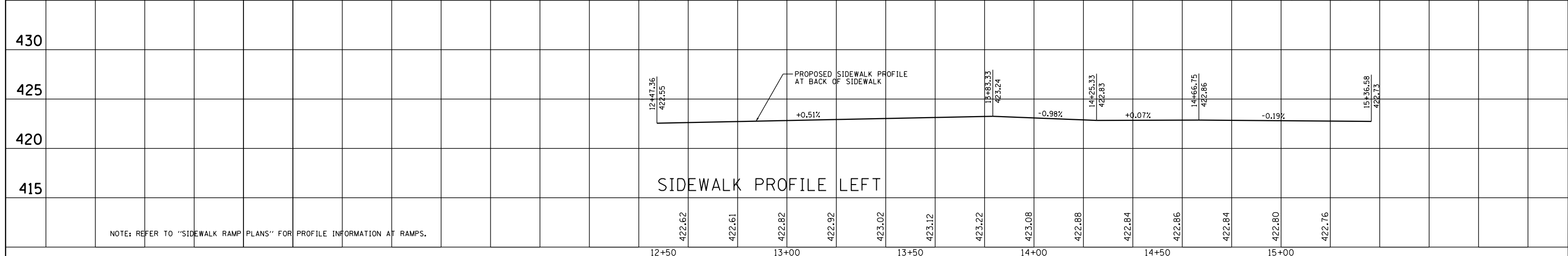
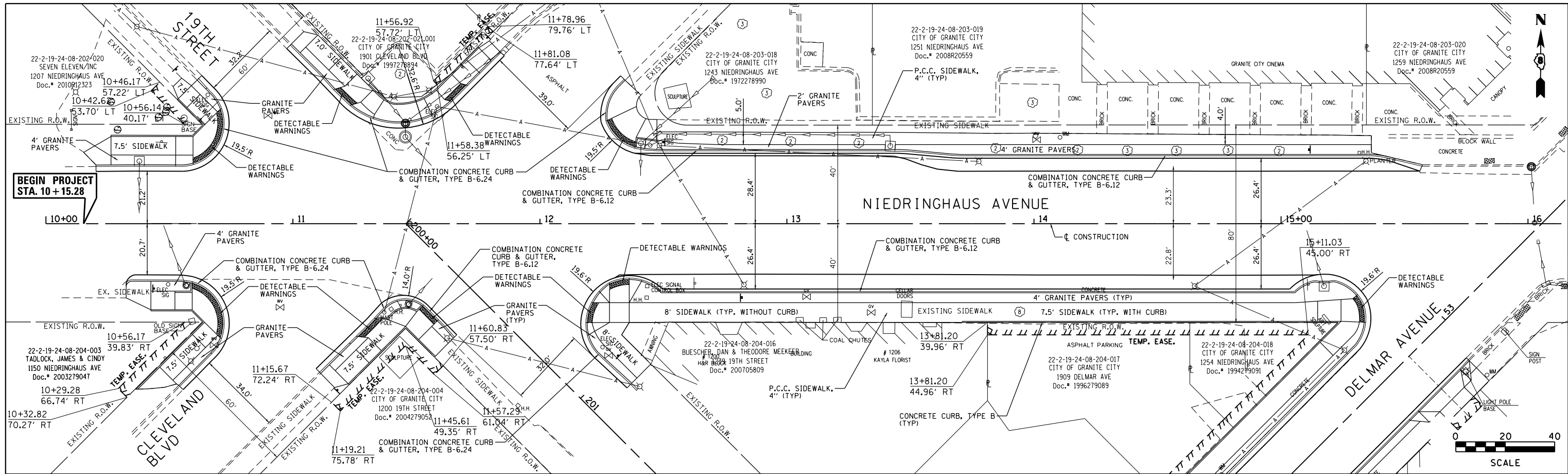
(TBA) - TO BE ADJUSTED



FILE NAME = Removal 03.dgn	USER NAME = tkrupe	DESIGNED - BFK	REVISED -	NIEDRINGHAUS AVENUE STREETScape PHASE 2 GRANITE CITY, ILLINOIS	REMOVAL	F.A.U. RTE. 9090	SECTION 10-00191-00-LS	COUNTY MADISON	TOTAL SHEETS 58	SHEET NO. 22		
JUNEAU Job No. E110226	PLOT SCALE = 40.0000' / in.	CHECKED - BFK	REVISED -			SCALE: 1" = 20'	SHEET NO. 3 OF 3 SHEETS	STA.	TO STA.	CONTRACT NO. 97653		
	PLOT DATE = 2/16/2018	DATE - 5/11/17	REVISED -			ILLINOIS FED. AID PROJECT						

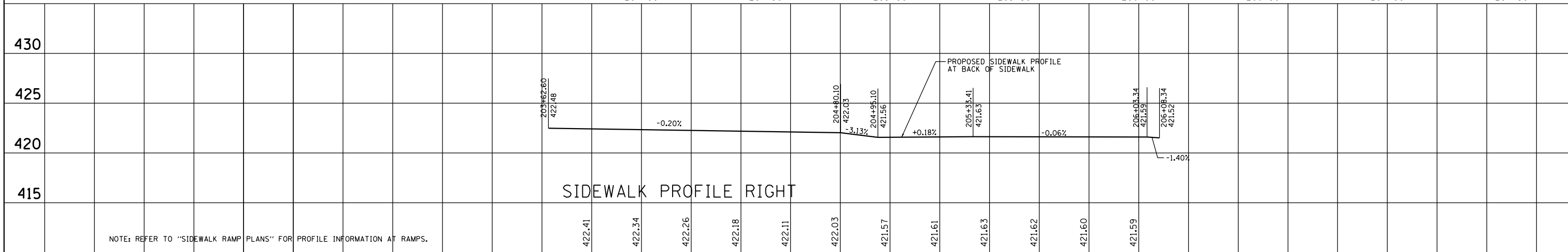
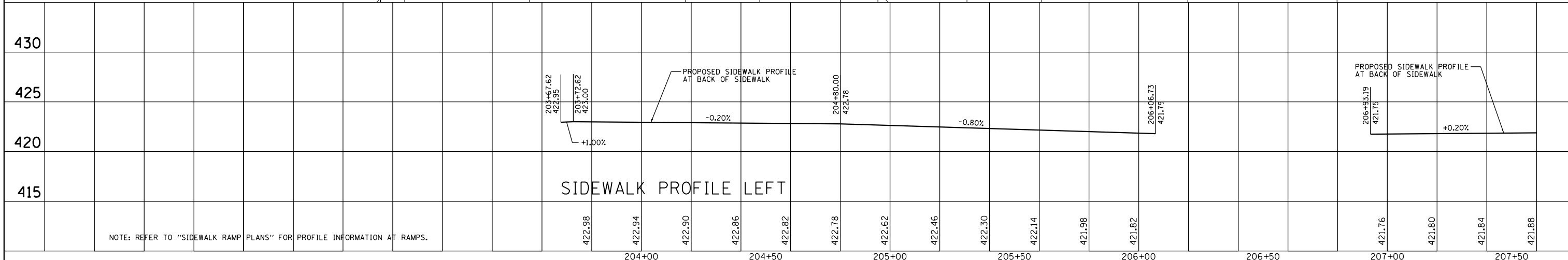
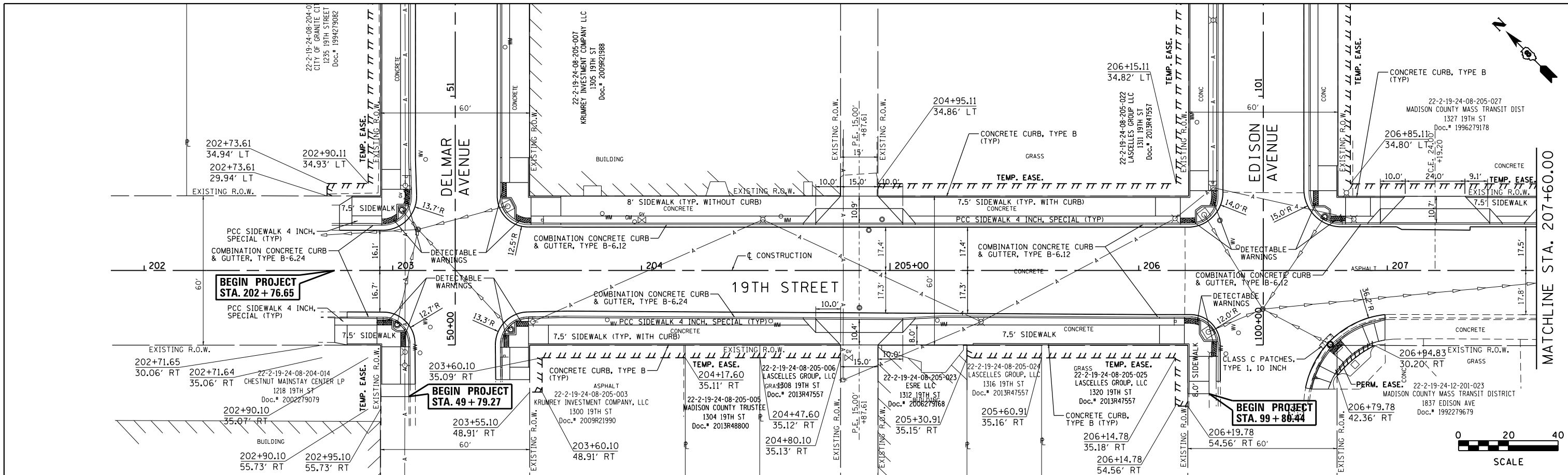
DATE	
BY	
SURVEYED	
PLOTTED	
ALIGNED	
CHECKED	
FILED	
NO.	

DATE	
BY	
SURVEYED	
PLOTTED	
GRADES CHECKED	
STRUCTURE NOTATIONS OK'D	
NO.	



PLAN	SURVEYED	DATE
	PLOTTED	BY
	ALIGNED	
	CHECKED	
	FILED	
	NO.	

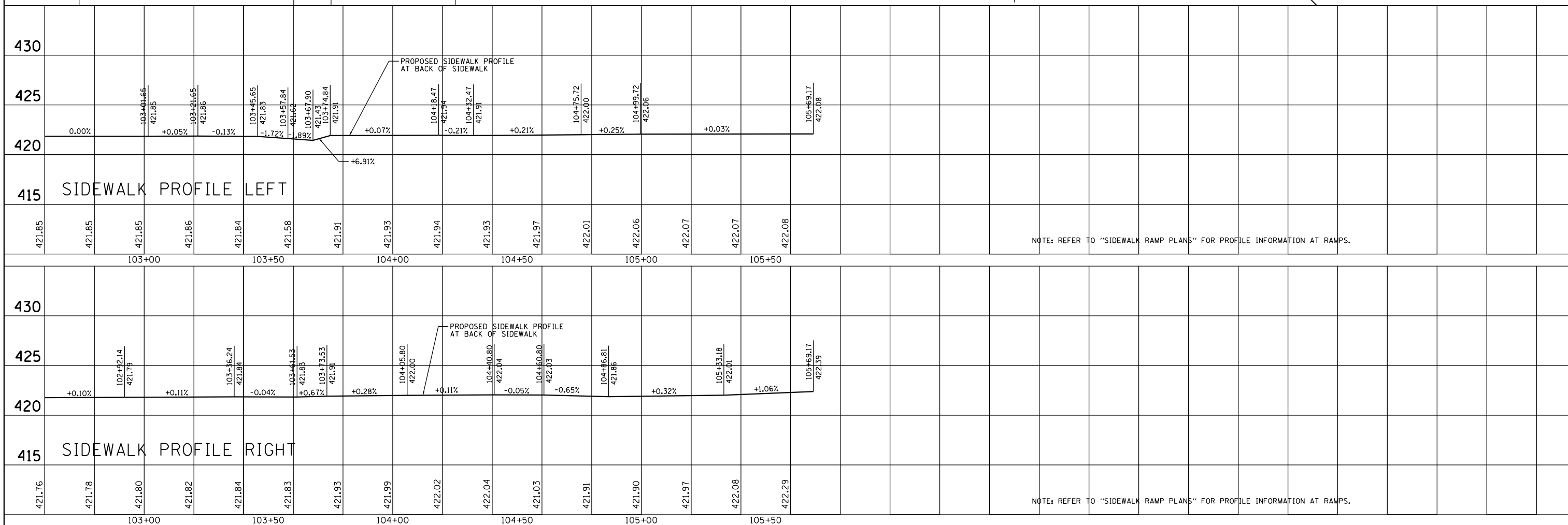
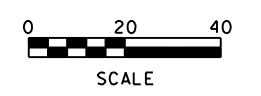
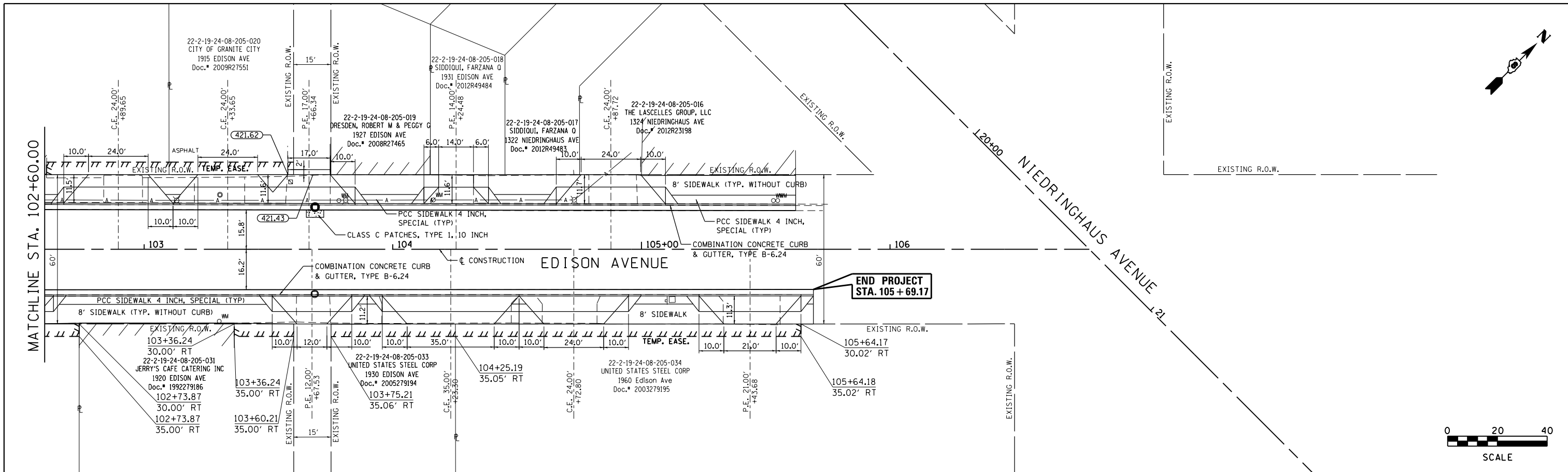
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	PLOTTED	BY
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	STRUCTURE NOTATIONS OK'D	
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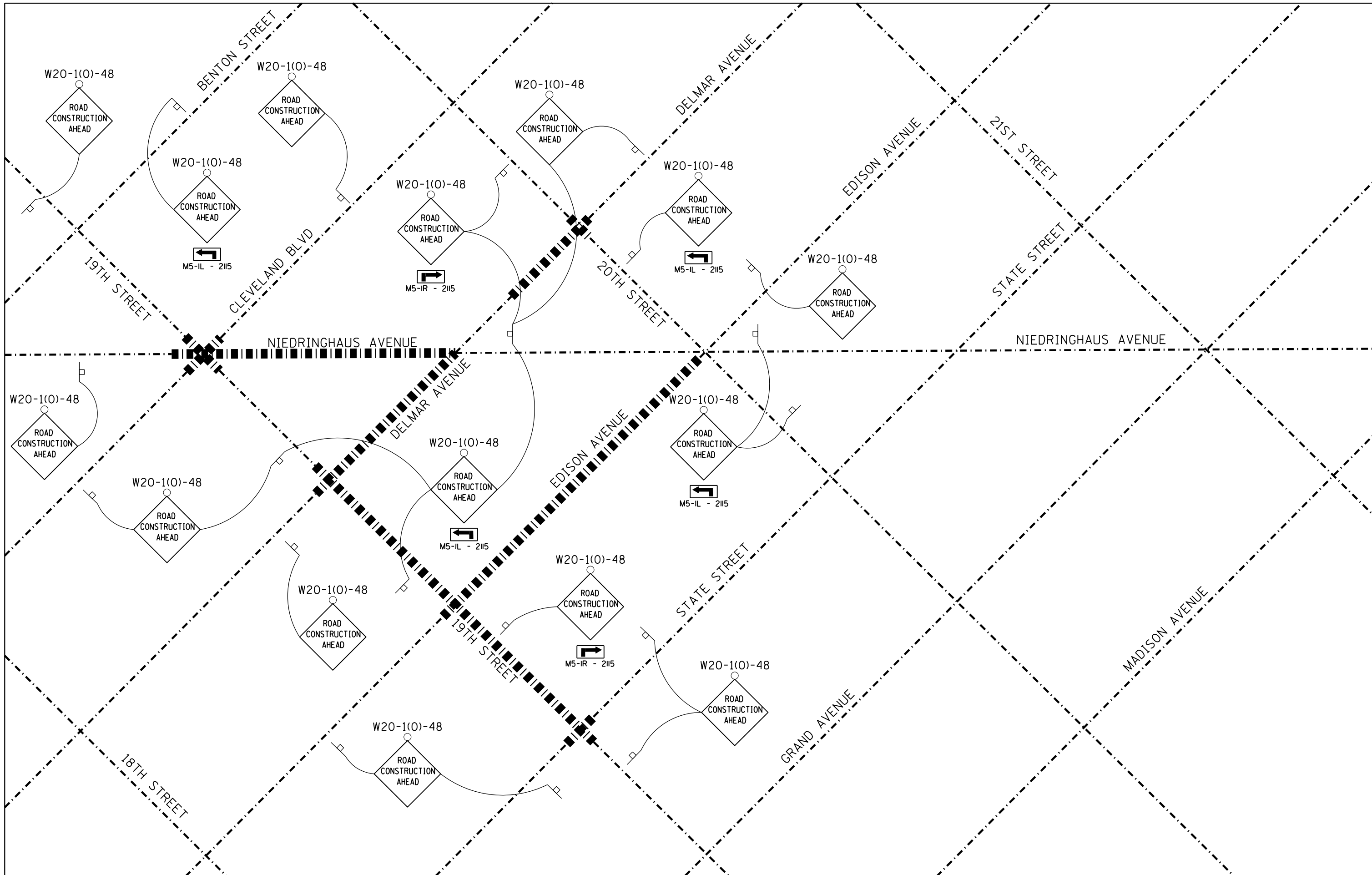
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JUNEAU Job No. E110226	PLOT SCALE = 40.0000' / in.	DRAWN - RKR	REVISED -		SCALE: 1"=20'	SHEET 2 OF 7 SHEETS	STA. 202+75.00 TO STA. 207+60.00	9090	10-00191-00-LS	MADISON	58	24
	PLOT DATE = 2/16/2018	CHECKED - BKF	REVISED -					CONTRACT NO. 97653				
		DATE - 5/11/17	REVISED -		ILLINOIS FED. AID PROJECT							

PLAN	SURVEYED	DATE
	PLOTTED	BY
	ALIGNED	CHECKED
	FILED	NO.
	NO.	

PROFILE	SURVEYED	DATE
	PLOTTED	BY
	GRADES CHECKED	CHECKED
	STRUCTURE NOTATIONS OK'D	NO.



FILE NAME = plan07.dgn	USER NAME = tkruep	DESIGNED - BKF	REVISED -	NIEDRINGHAUS AVENUE STREETScape PHASE 2 GRANITE CITY, ILLINOIS	PLAN AND SIDEWALK PROFILE	F.A.U. RTÉ.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	
JUNEAU Job No. E110226	PLOT SCALE = 40.0000' / in.	CHECKED - BKF	REVISED -			9090	10-00191-00-LS	MADISON	58	29	
	PLOT DATE = 2/21/2018	DATE - 5/11/17	REVISED -			SCALE: 1"=20'		SHEET 7 OF 7 SHEETS		STA. 102+60.00 TO STA. 105+75.00	
CONTRACT NO. 97653											



FILE NAME = Warning Signs.dgn
 JUNEAU Job No. E110226

USER NAME = tkrupe
 PLOT SCALE = 160.0000' / in.
 PLOT DATE = 2/8/2018

DESIGNED - BFK
 DRAWN - SAS
 CHECKED - BFK
 DATE - 5/11/17

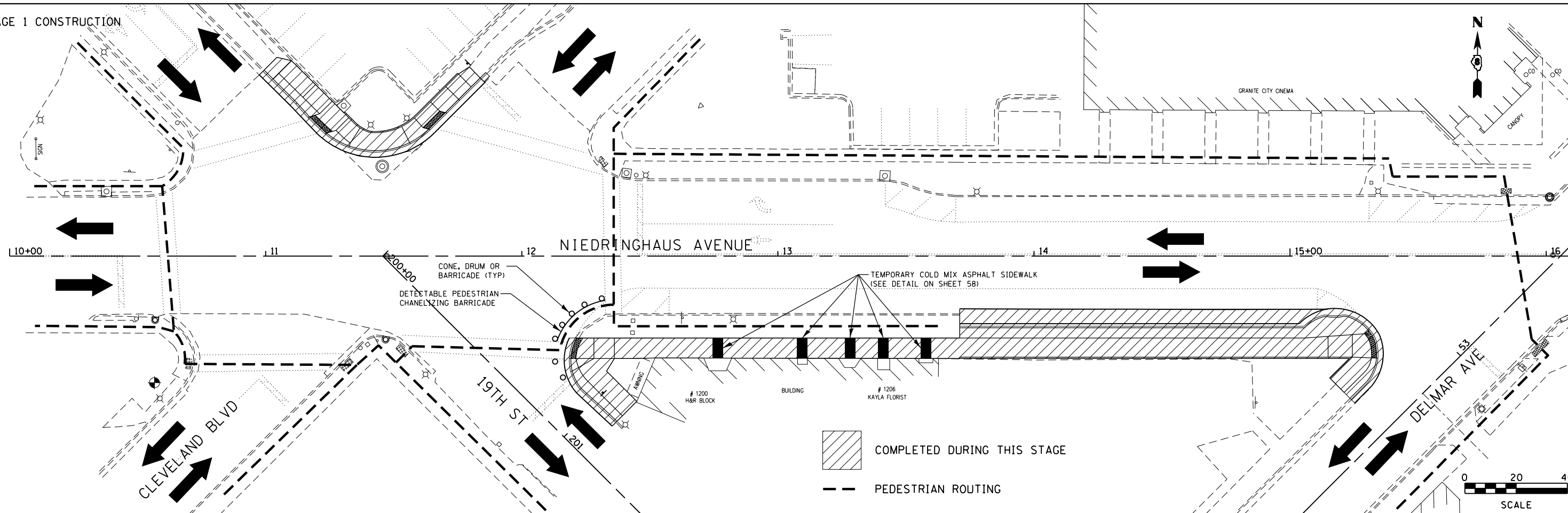
REVISED -
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**NIEDRINGHAUS AVENUE STREETSCAPE PHASE 2
 GRANITE CITY, ILLINOIS**

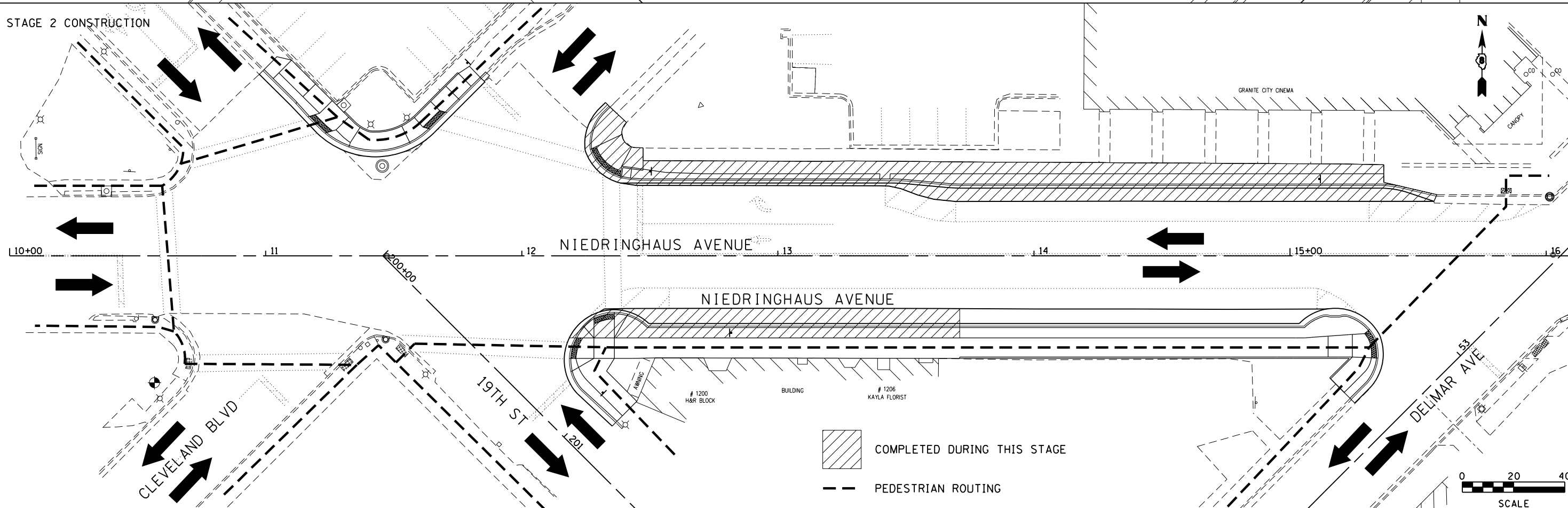
ADVANCED WARNING SIGNS
 SCALE: N.T.S. SHEET NO. 1 OF 1 SHEETS STA. TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
9090	10-00191-00-LS	MADISON	58	30
CONTRACT NO. 97653				
ILLINOIS FED. AID PROJECT				

STAGE 1 CONSTRUCTION



STAGE 2 CONSTRUCTION



FILE NAME = stageconst 01.dgn
 JUNEAU Job No. E110226

USER NAME = tkruup
 PLOT SCALE = 40.0000' / in.
 PLOT DATE = 2/8/2018

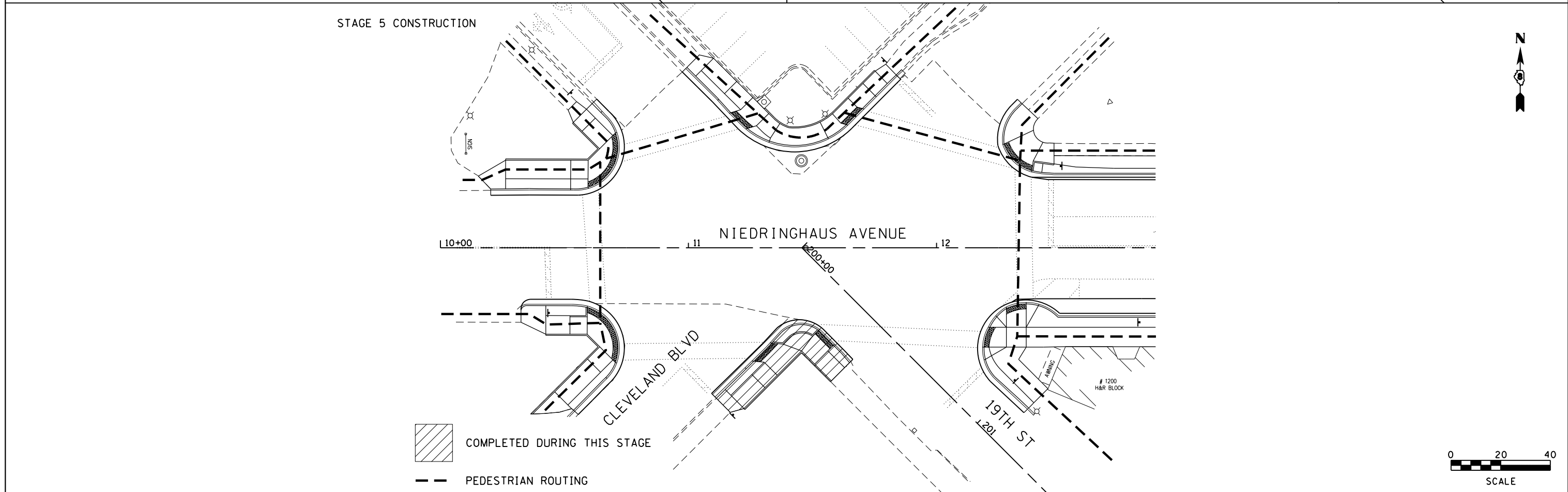
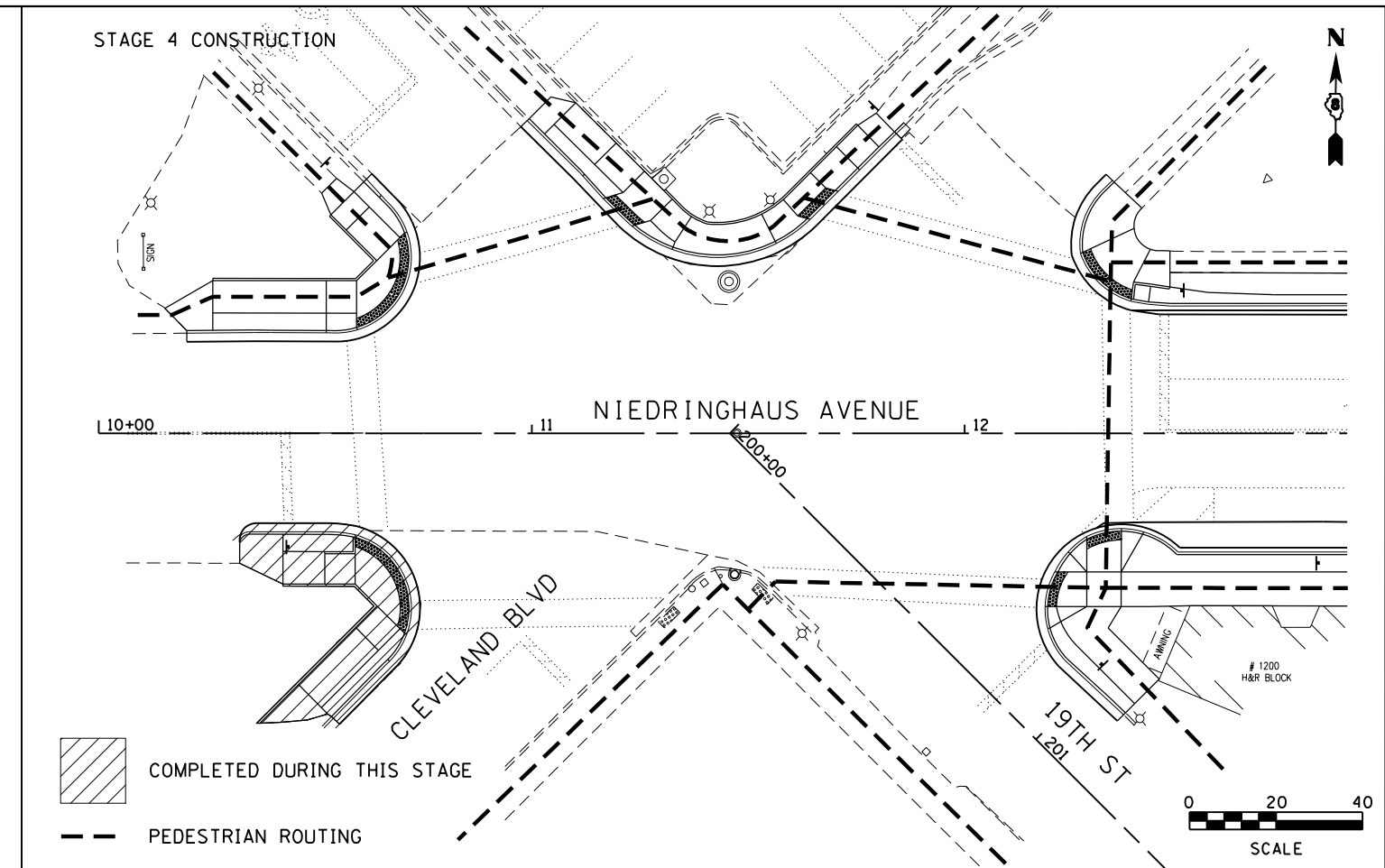
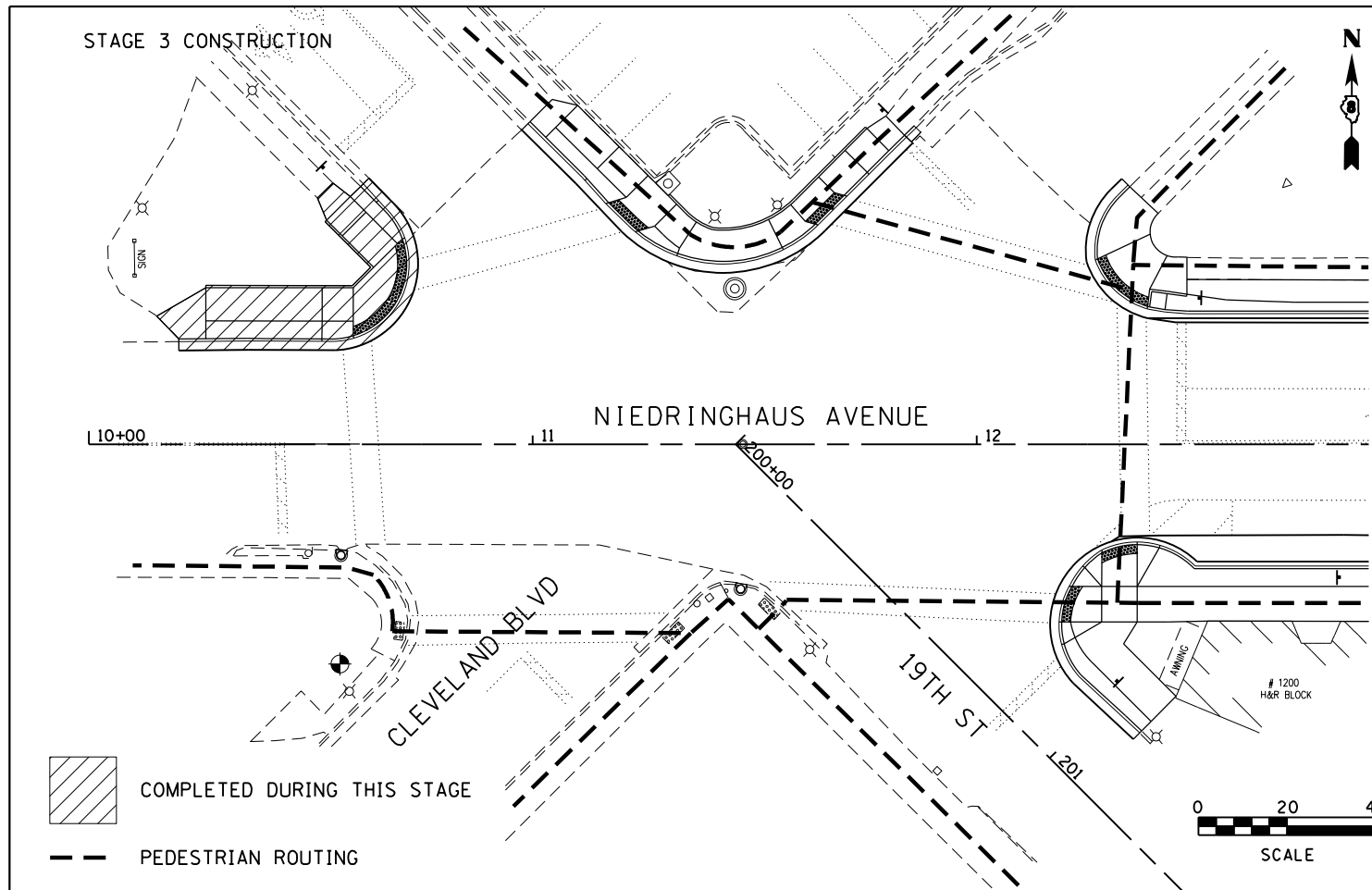
DESIGNED - BFK
 DRAWN - RKR
 CHECKED - BFK
 DATE - 5/11/17

REVISED -
 REVISED -
 REVISED -
 REVISED -

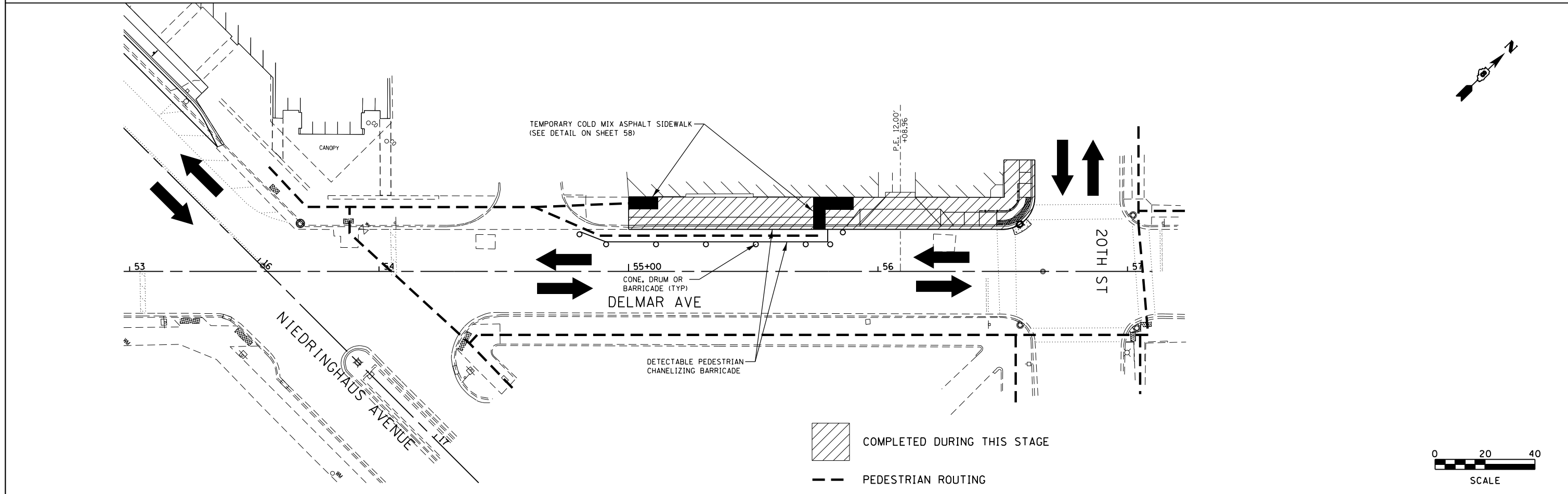
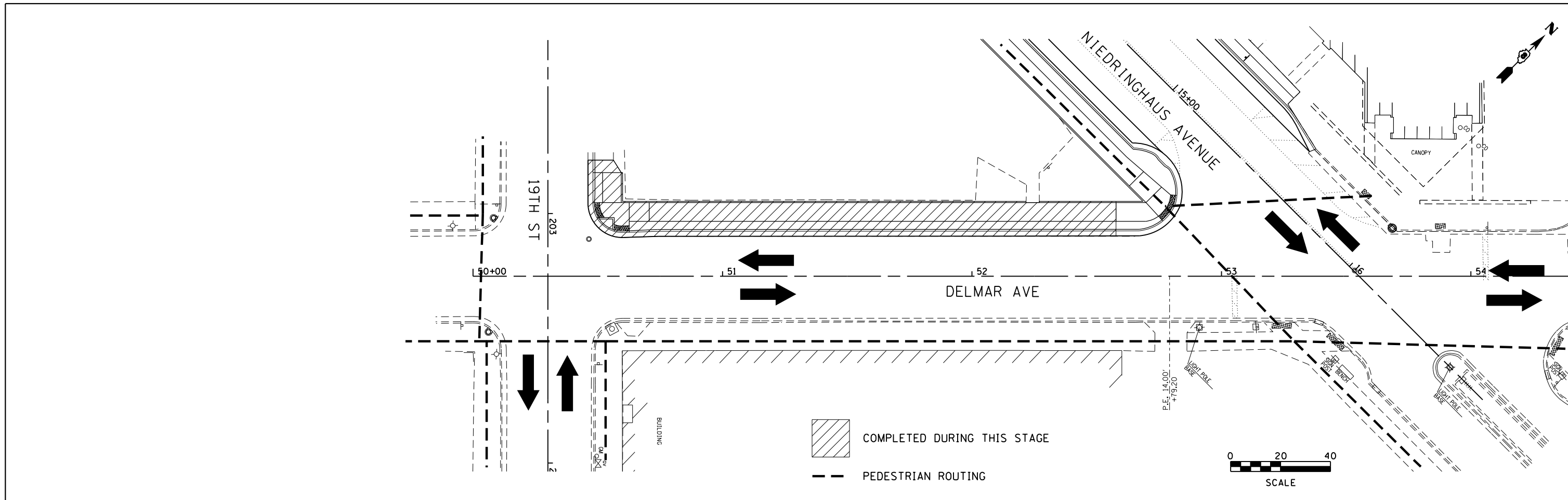
**NIEDRINGHAUS AVENUE STREETSCAPE PHASE 2
 GRANITE CITY, ILLINOIS**

STAGE 1 AND STAGE 2 CONSTRUCTION
 SCALE: 1" = 20'
 SHEET NO. 1 OF 9 SHEETS
 STA. TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
9090	10-00191-00-LS	MADISON	58	31
CONTRACT NO. 97653				
ILLINOIS FED. AID PROJECT				

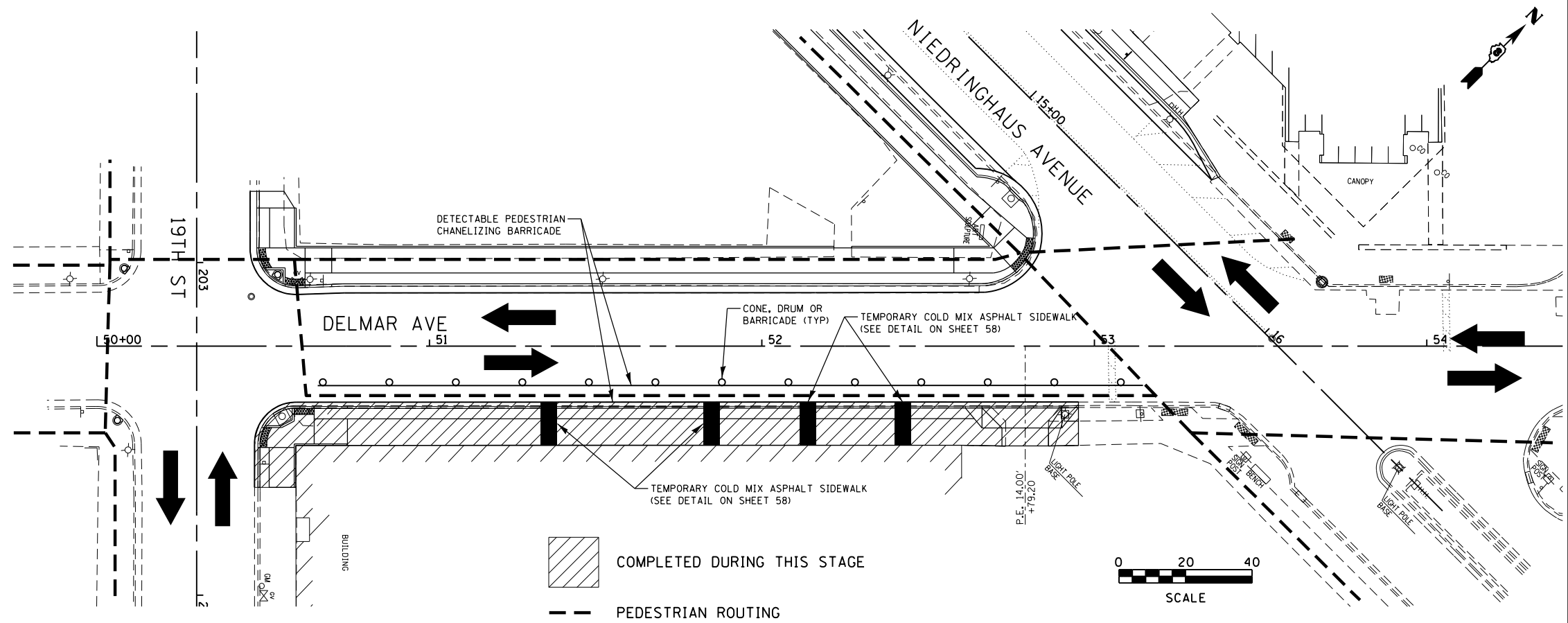


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	PLOT SCALE = 40.0000' / in.	CHECKED - BFK	REVISED -		SCALE: 1" = 20'	SHEET NO. 2 OF 9 SHEETS	STA. TO STA.	CONTRACT NO. 97653				
	PLOT DATE = 2/8/2018	DATE - 5/11/17	REVISED -					ILLINOIS FED. AID PROJECT				

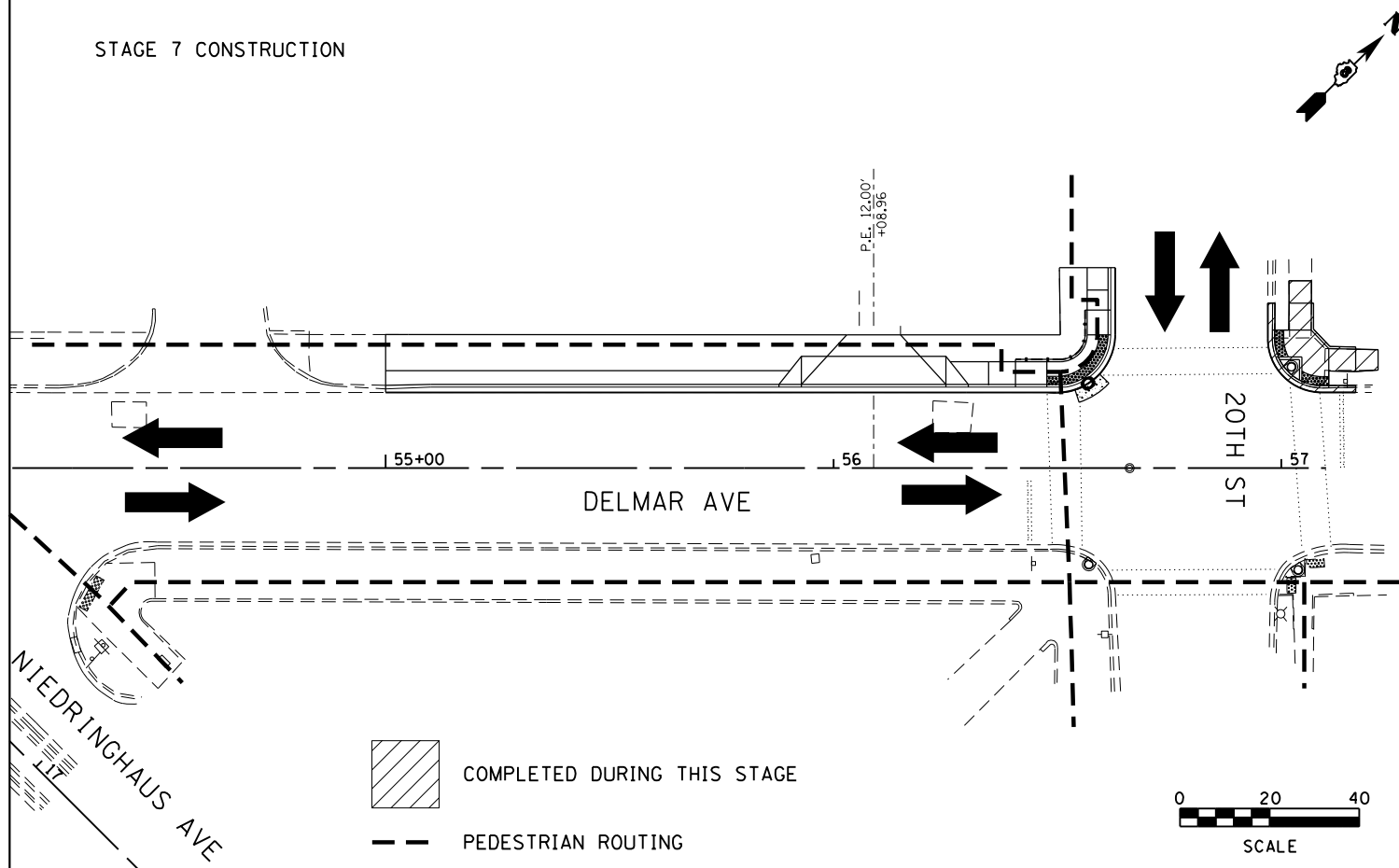


FILE NAME = stageconst_02.dgn JUNEAU Job No. E110226	USER NAME = tkruep	DESIGNED - BFK	REVISED -	NIEDRINGHAUS AVENUE STREETScape PHASE 2 GRANITE CITY, ILLINOIS	STAGE 6 CONSTRUCTION			F.A.U. RTE. 9090	SECTION 10-00191-00-LS	COUNTY MADISON	TOTAL SHEETS 58	SHEET NO. 33
	PLOT SCALE = 40.0000' / in.	CHECKED - BFK	REVISED -		SCALE: 1" = 20'	SHEET NO. 3 OF 9 SHEETS	STA. TO STA.	CONTRACT NO. 97653				
PLOT DATE = 2/8/2018	DATE - 5/11/17	REVISED -	REVISED -				ILLINOIS FED. AID PROJECT					

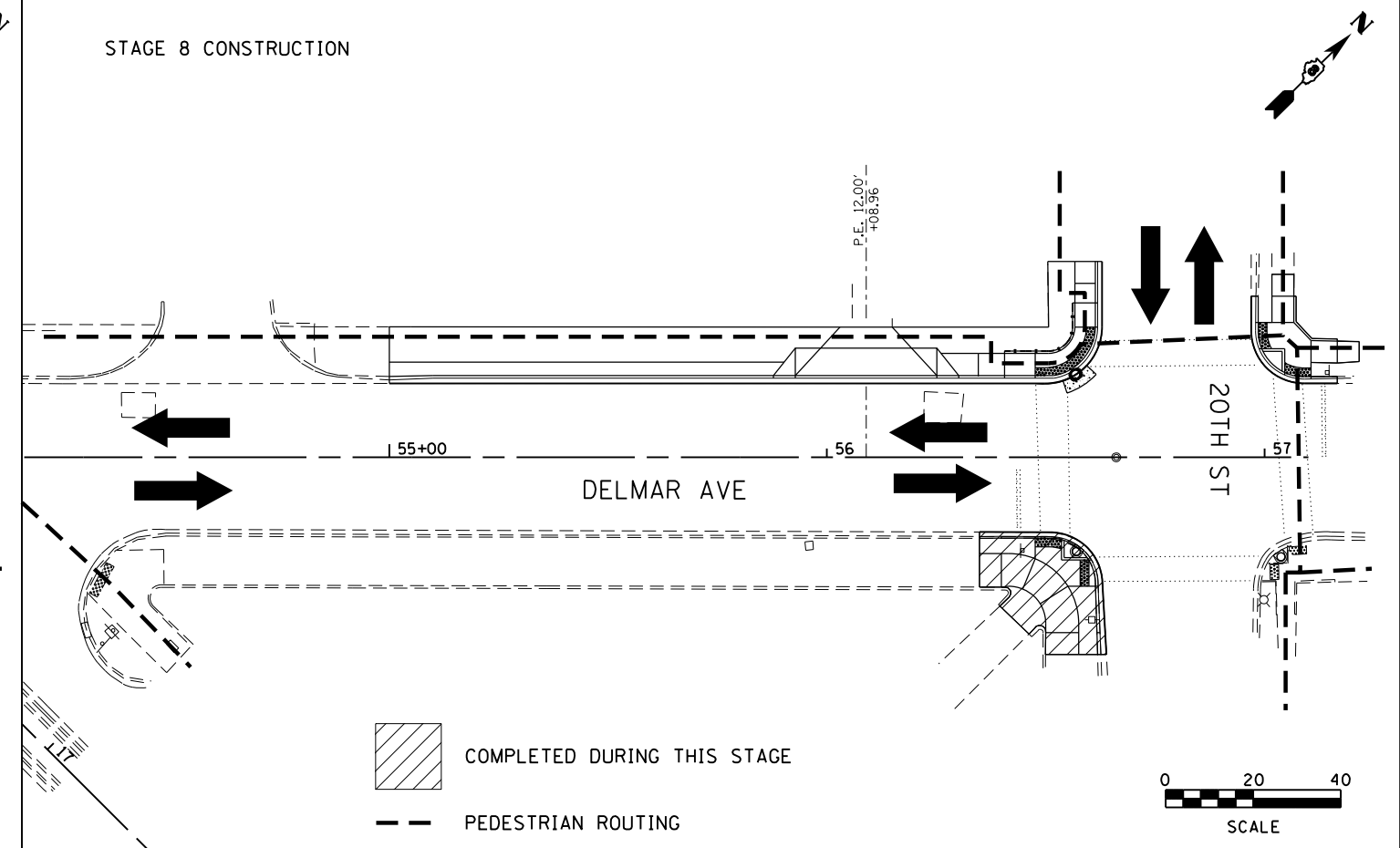
STAGE 7 CONSTRUCTION



STAGE 7 CONSTRUCTION



STAGE 8 CONSTRUCTION



FILE NAME = stageconst 03.dgn
JUNEAU Job No. E110226

USER NAME = tkruerp
DESIGNED - BFK
DRAWN - RKR
CHECKED - BFK
DATE - 5/11/17
PLOT SCALE = 40.0000' / in.
PLOT DATE = 2/8/2018

REVISED -
REVISED -
REVISED -
REVISED -

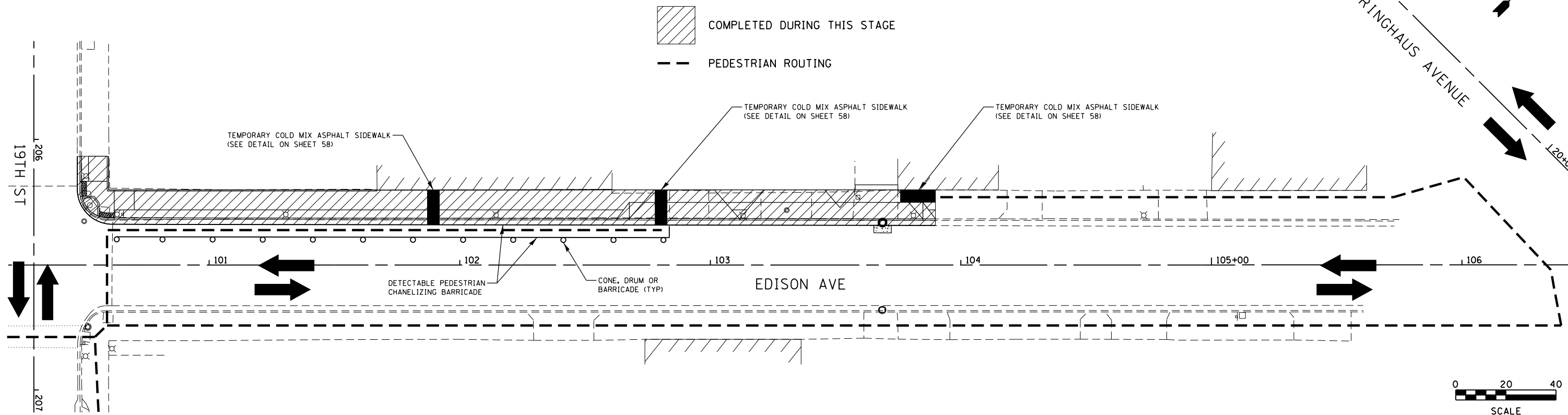
**NIEDRINGHAUS AVENUE STREETSCAPE PHASE 2
GRANITE CITY, ILLINOIS**

STAGE 7 & 8 CONSTRUCTION

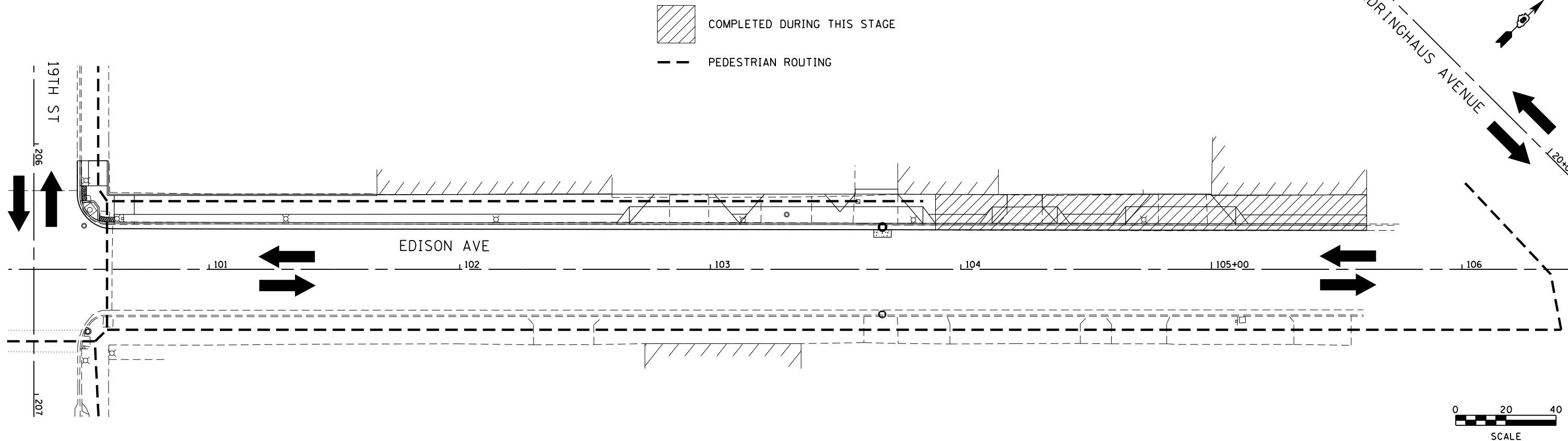
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F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
9090	10-00191-00-LS	MADISON	58	34
				CONTRACT NO. 97653
ILLINOIS FED. AID PROJECT				

STAGE 9 CONSTRUCTION



STAGE 10 CONSTRUCTION



FILE NAME = stageconst 04.dgn
JUNEAU Job No. E110226

USER NAME = tkruerp
PLOT SCALE = 40.0000' / in.
PLOT DATE = 2/8/2018

DESIGNED - BFK
DRAWN - RKR
CHECKED - BFK
DATE - 5/11/17

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REVISED -
REVISED -

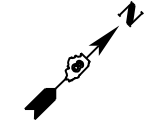
**NIEDRINGHAUS AVENUE STREETScape PHASE 2
GRANITE CITY, ILLINOIS**



STAGE 9 & 10 CONSTRUCTION

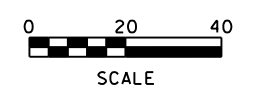
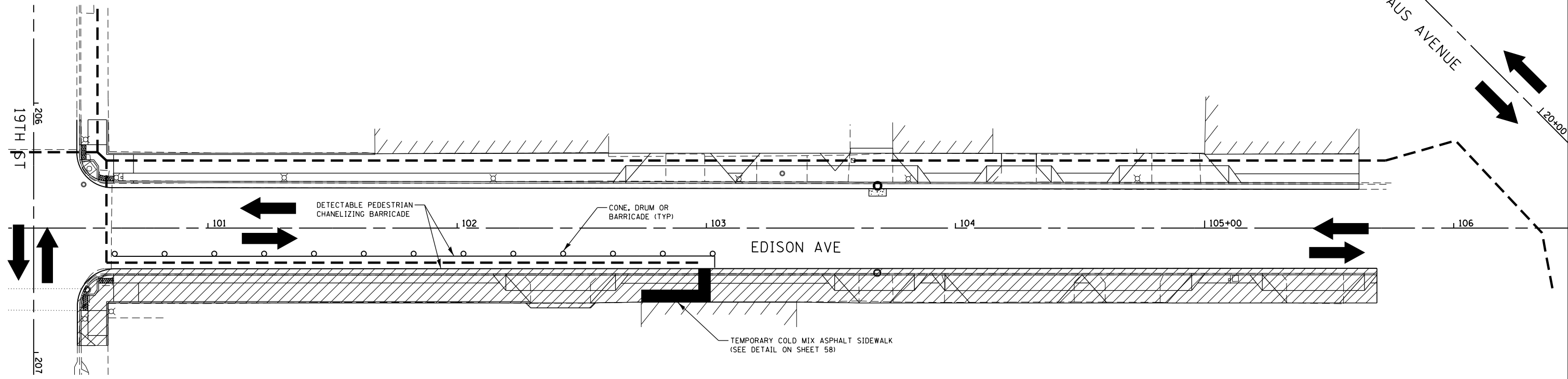
SCALE: 1" = 20' SHEET NO. 5 OF 9 SHEETS STA. TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
9090	10-00191-00-LS	MADISON	58	35
CONTRACT NO. 97653			ILLINOIS FED. AID PROJECT	

STAGE 11 CONSTRUCTION

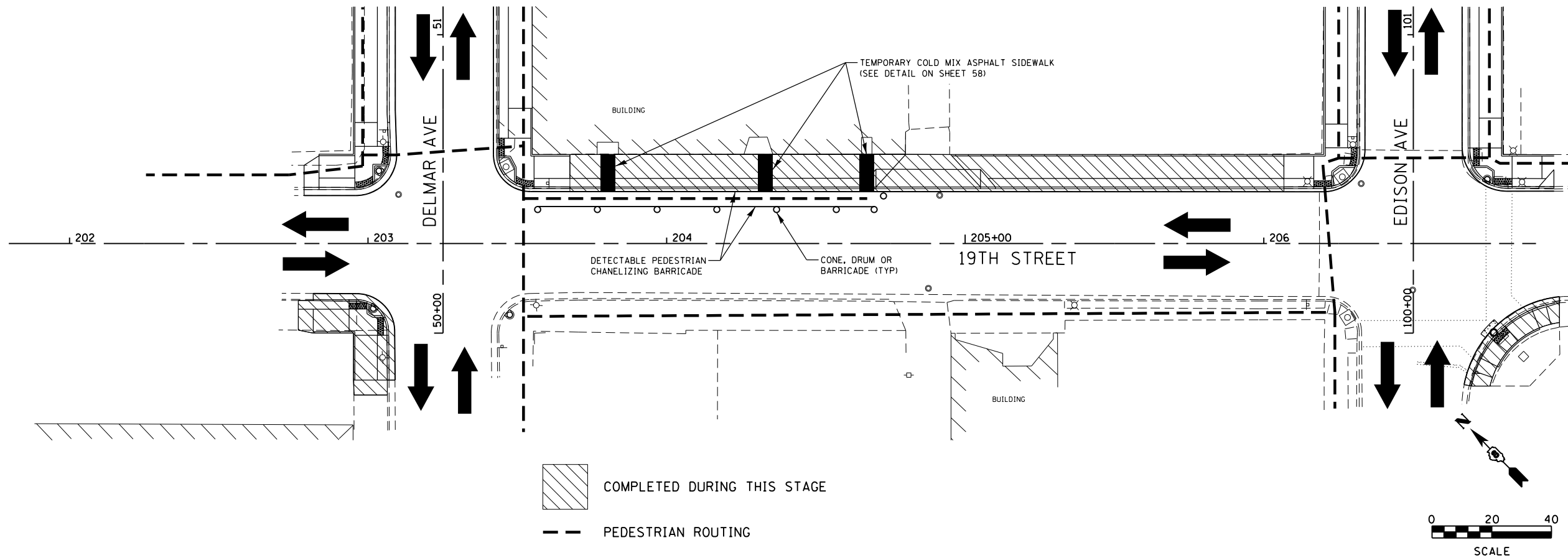


 COMPLETED DURING THIS STAGE
 PEDESTRIAN ROUTING

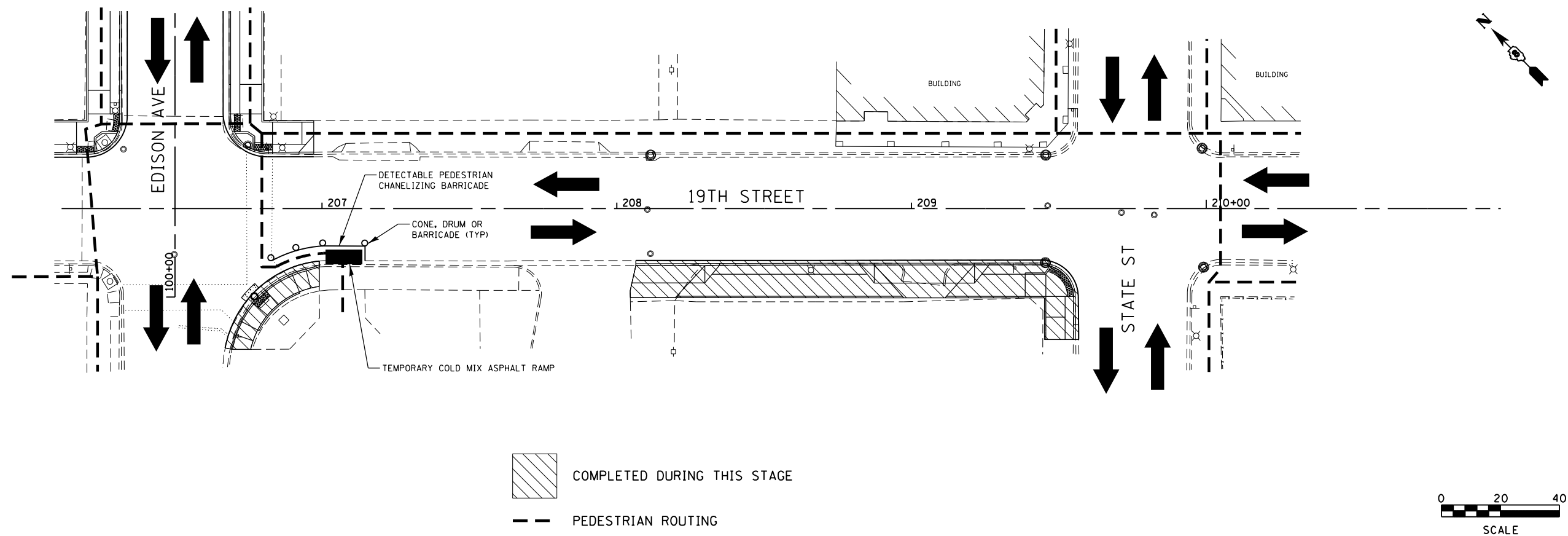


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	PLOT SCALE = 40.0000' / in. PLOT DATE = 2/8/2018	CHECKED - BFK DATE - 5/11/17	REVISED - REVISED -		SCALE: 1" = 20' SHEET NO. 6 OF 9 SHEETS	STA. TO STA.	CONTRACT NO. 97653			ILLINOIS FED. AID PROJECT		

STAGE 12 CONSTRUCTION



STAGE 12 CONSTRUCTION



FILE NAME = stageconst_06.dgn
 JUNEAU Job No. E110226

USER NAME = tkruep
 PLOT SCALE = 40.0000' / in.
 PLOT DATE = 2/8/2018

DESIGNED - BFK
 DRAWN - RKR
 CHECKED - BFK
 DATE - 5/11/17

REVISED -
 REVISED -
 REVISED -
 REVISED -

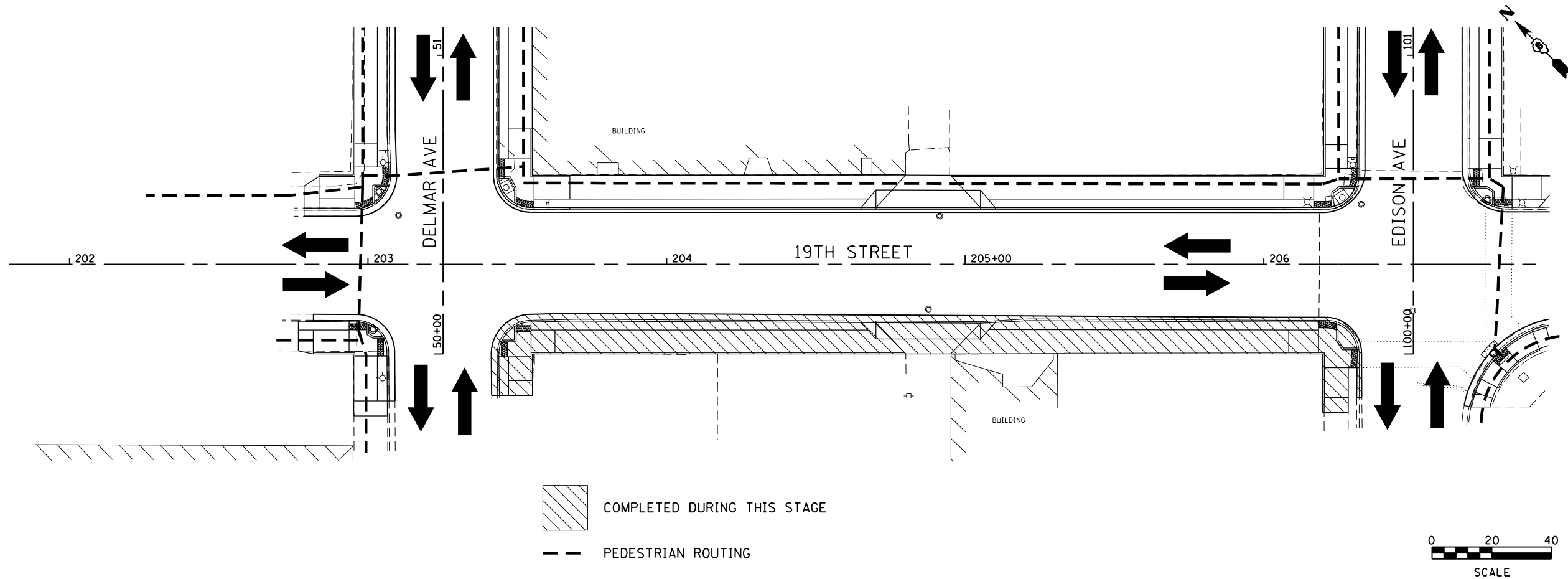
**NIEDRINGHAUS AVENUE STREETSCAPE PHASE 2
 GRANITE CITY, ILLINOIS**

STAGE 12 CONSTRUCTION

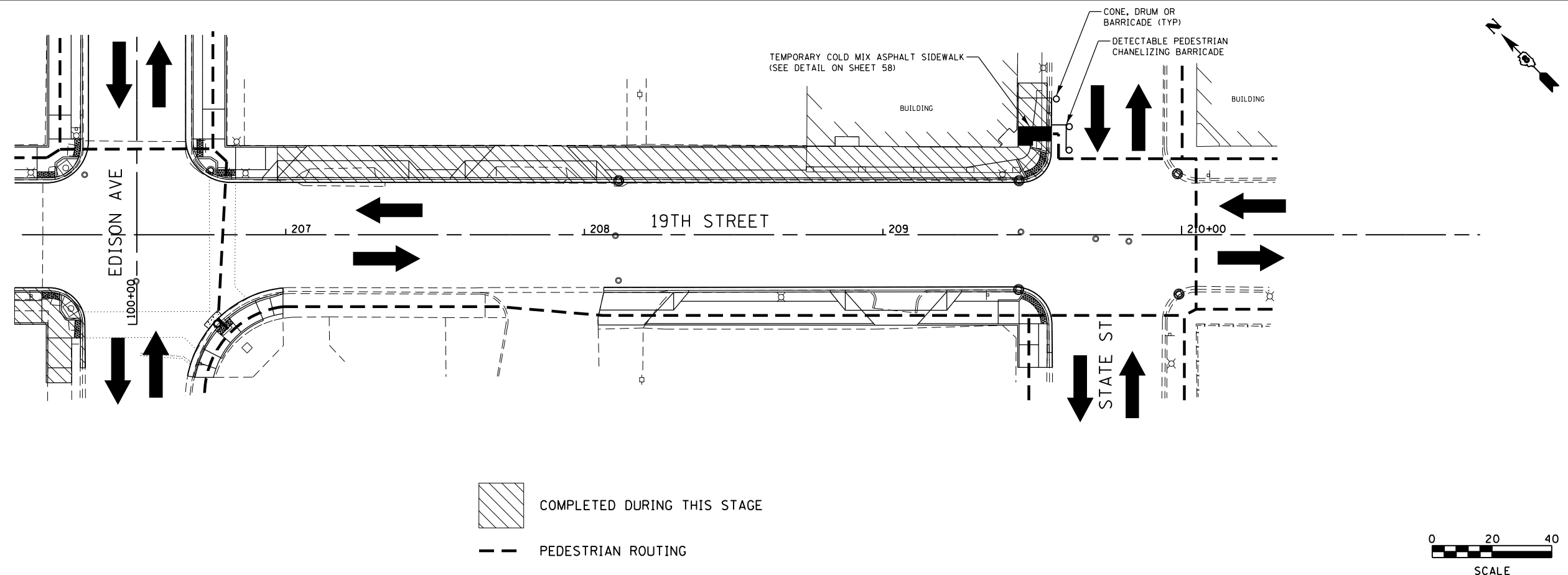
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F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
9090	10-00191-00-LS	MADISON	58	37
				CONTRACT NO. 97653
ILLINOIS FED. AID PROJECT				

STAGE 13 CONSTRUCTION



STAGE 13 CONSTRUCTION



FILE NAME = stageconst 07.dgn
 JUNEAU Job No. E110226

USER NAME = tkruerp
 DESIGNED - BFK
 DRAWN - RKR
 CHECKED - BFK
 DATE - 5/11/17
 PLOT SCALE = 40.0000' / in.
 PLOT DATE = 2/8/2018

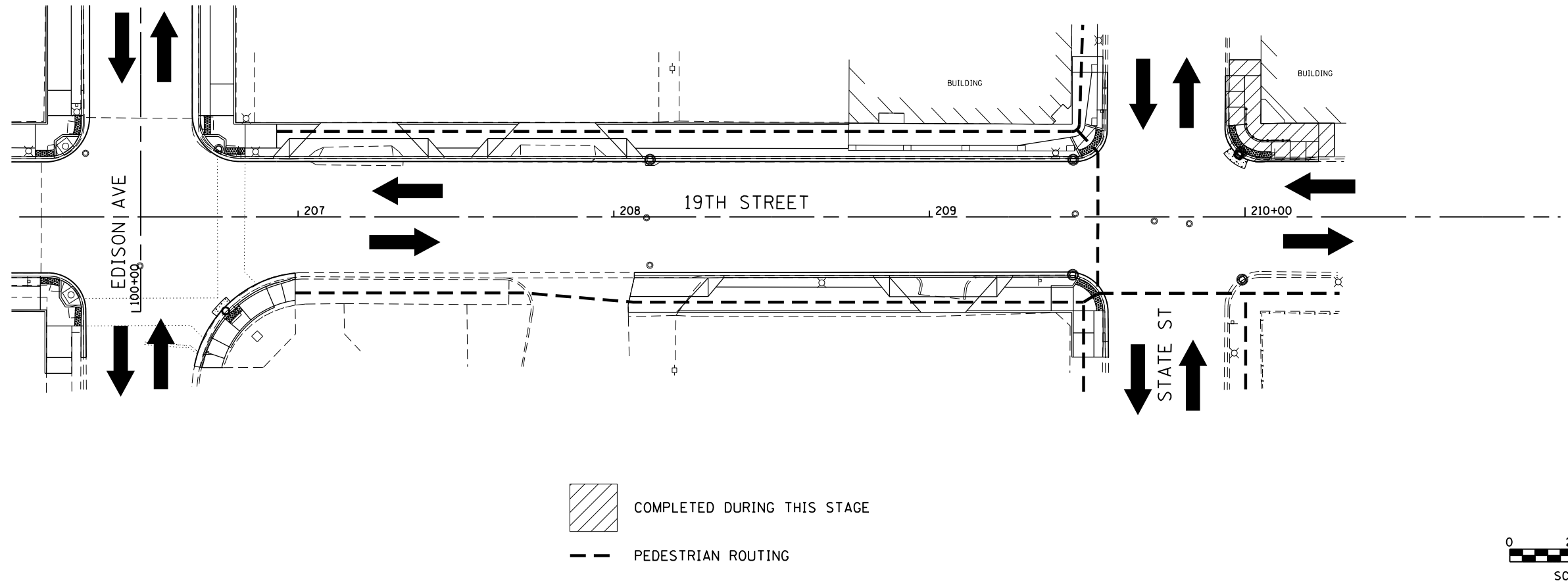
REVISED -
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 REVISED -
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**NIEDRINGHAUS AVENUE STREETScape PHASE 2
 GRANITE CITY, ILLINOIS**

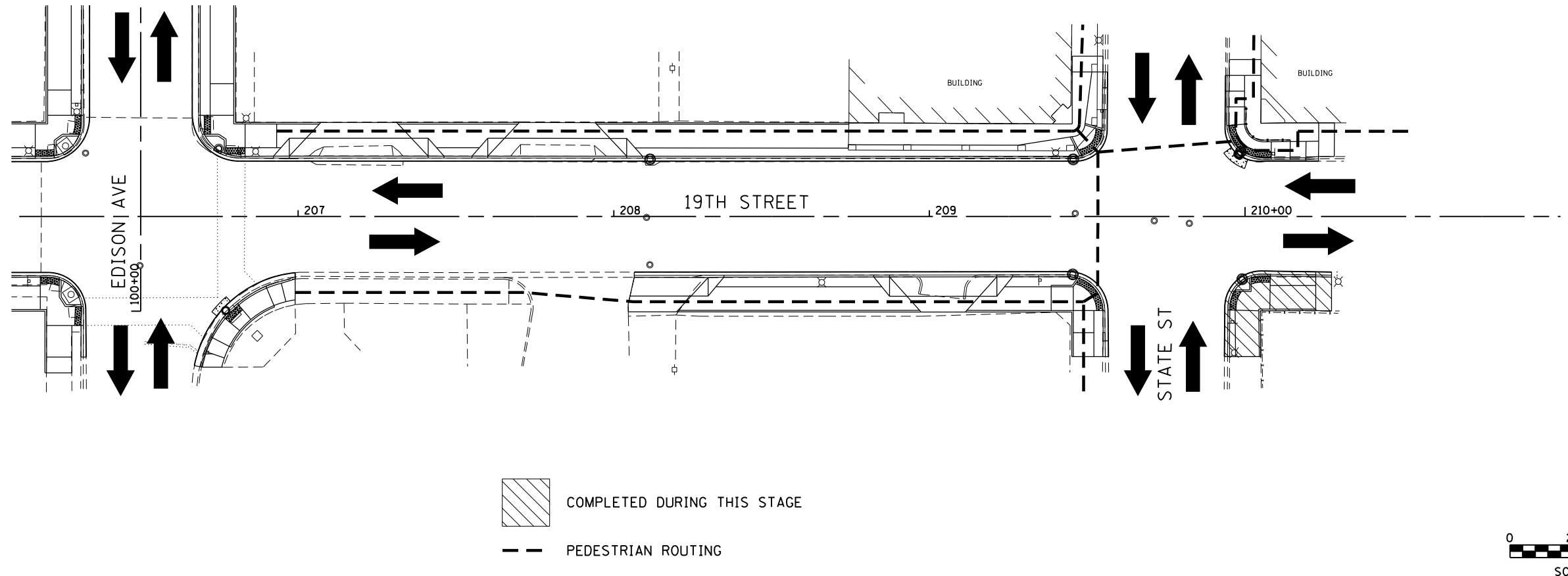
STAGE 13 CONSTRUCTION
 SCALE: 1" = 20'
 SHEET NO. 8 OF 9 SHEETS
 STA. TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
9090	10-00191-00-LS	MADISON	58	38
			CONTRACT NO. 97653	
ILLINOIS FED. AID PROJECT				

STAGE 14 CONSTRUCTION



STAGE 15 CONSTRUCTION



FILE NAME = stageconst_08.dgn	USER NAME = tkruep	DESIGNED - BFK	REVISED -
JUNEAU Job No. E110226	PLOT SCALE = 40.0000' / in.	DRAWN - RKR	REVISED -
	PLOT DATE = 2/8/2018	CHECKED - BFK	REVISED -
		DATE - 5/11/17	REVISED -

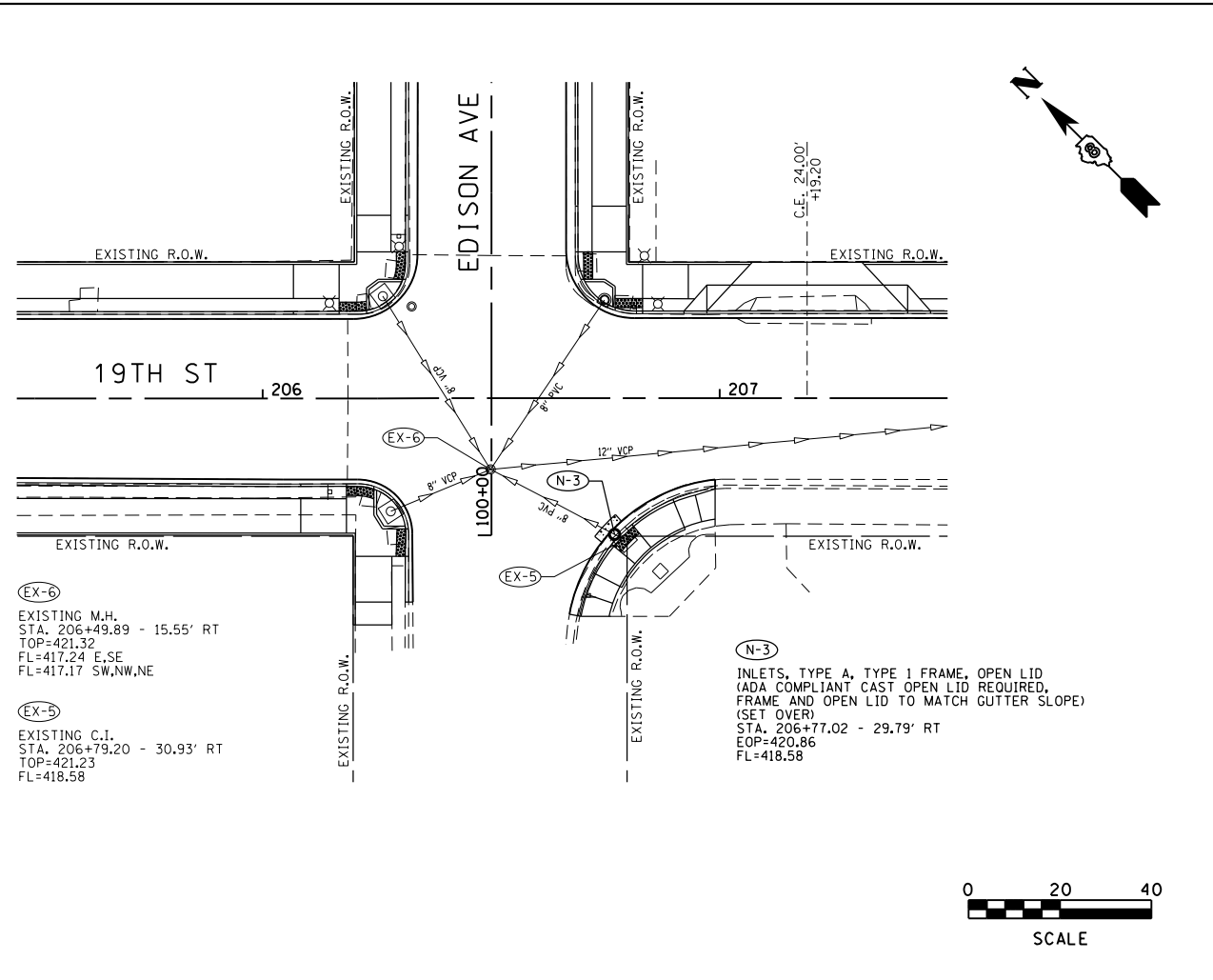
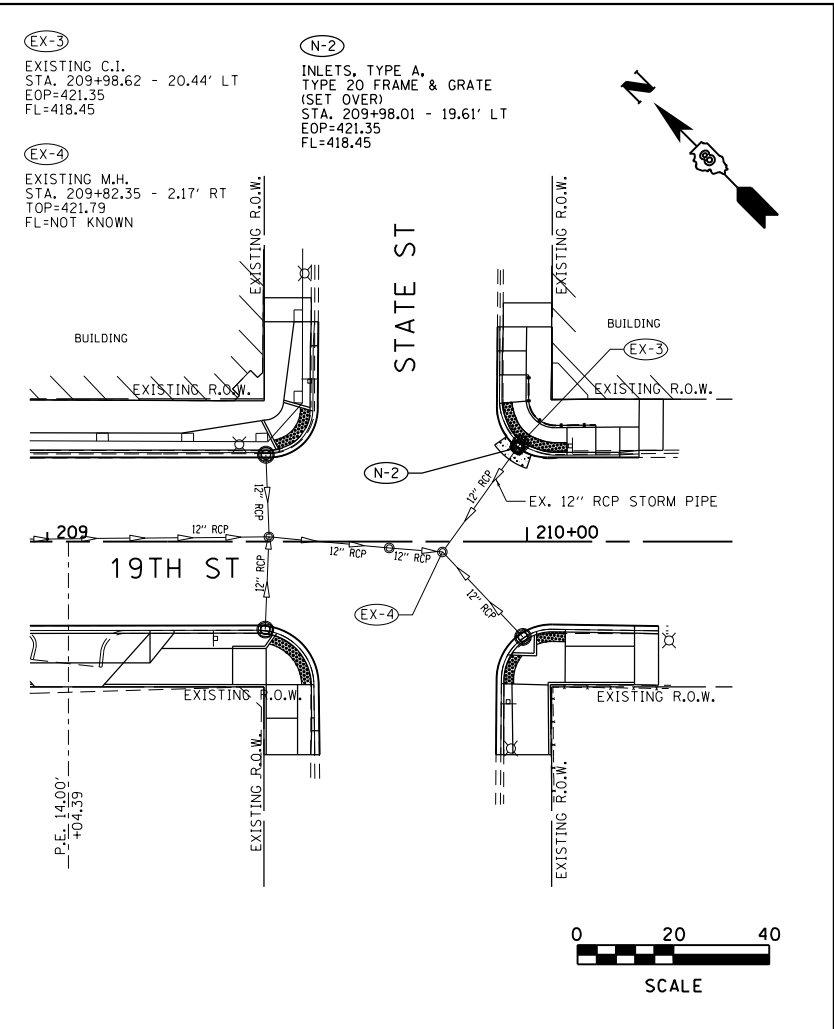
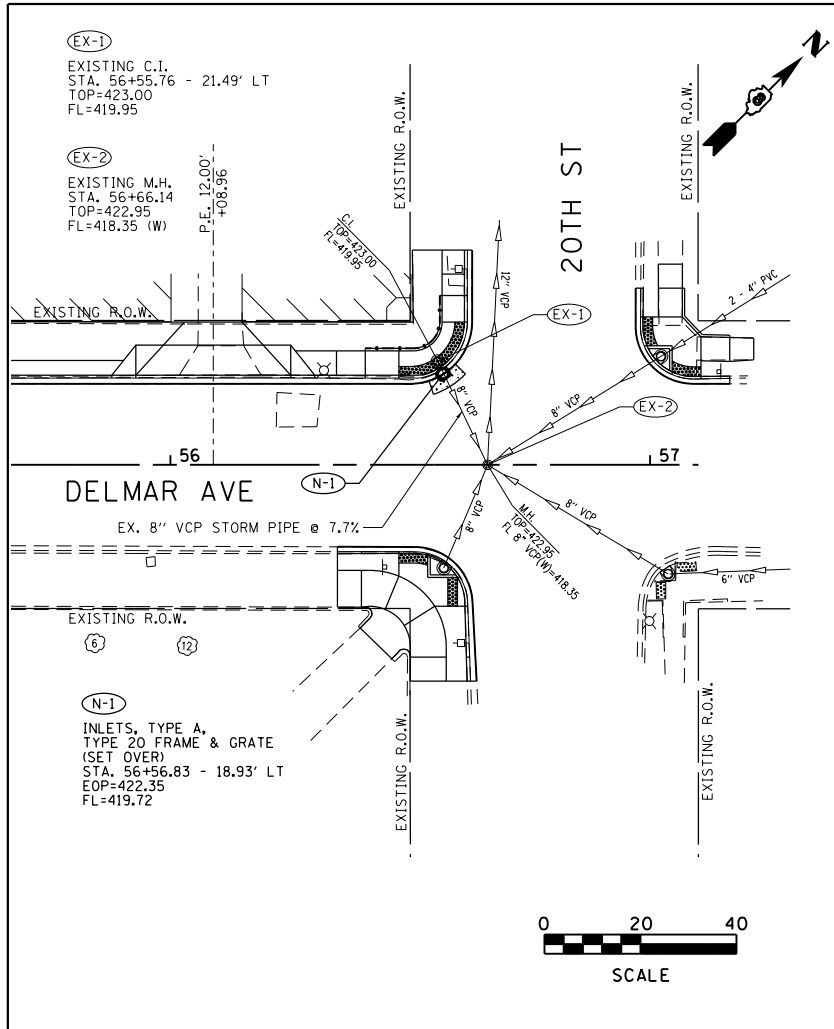
**NIEDRINGHAUS AVENUE STREETSCAPE PHASE 2
GRANITE CITY, ILLINOIS**

STAGE 14 & 15 CONSTRUCTION

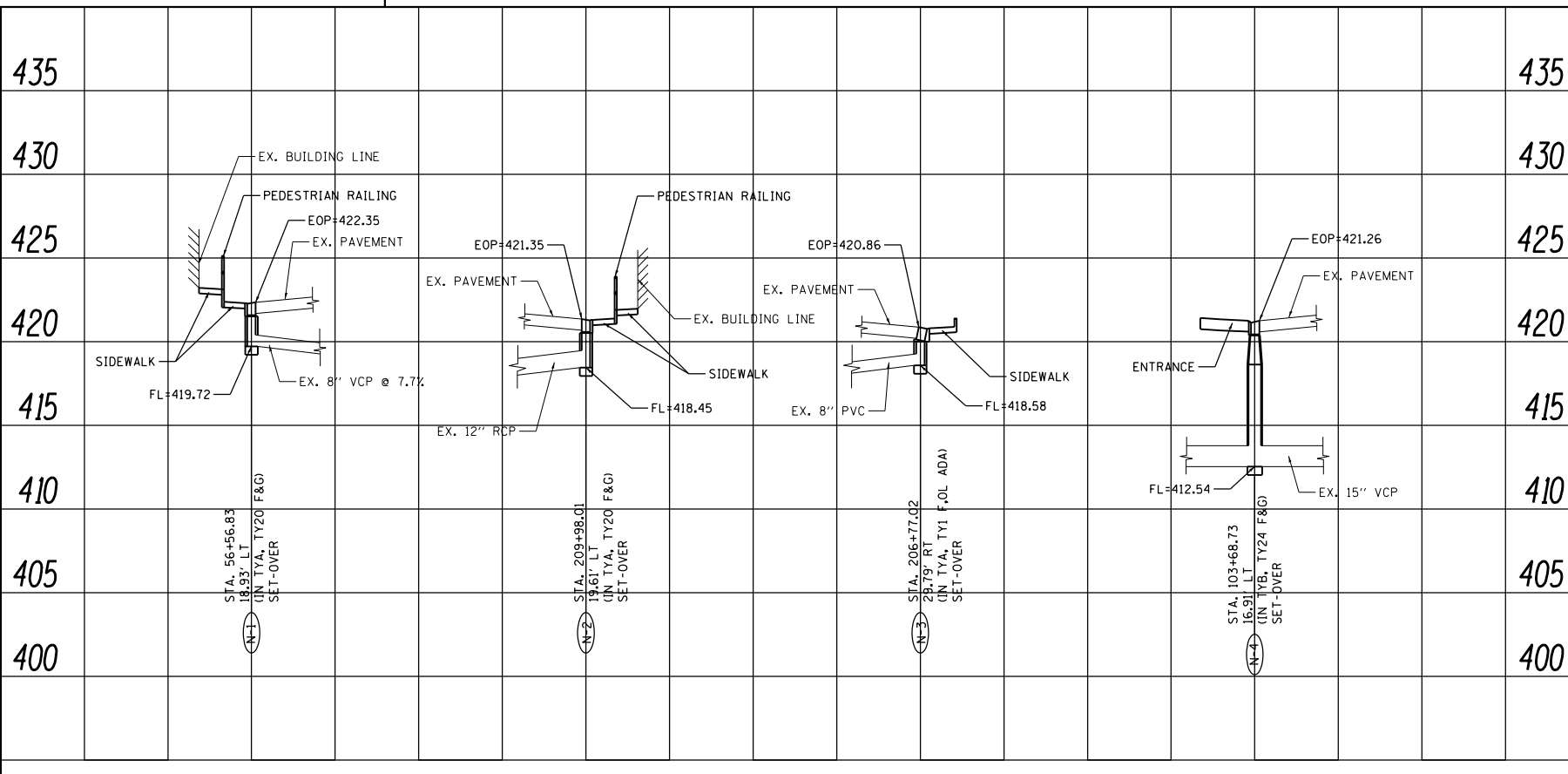
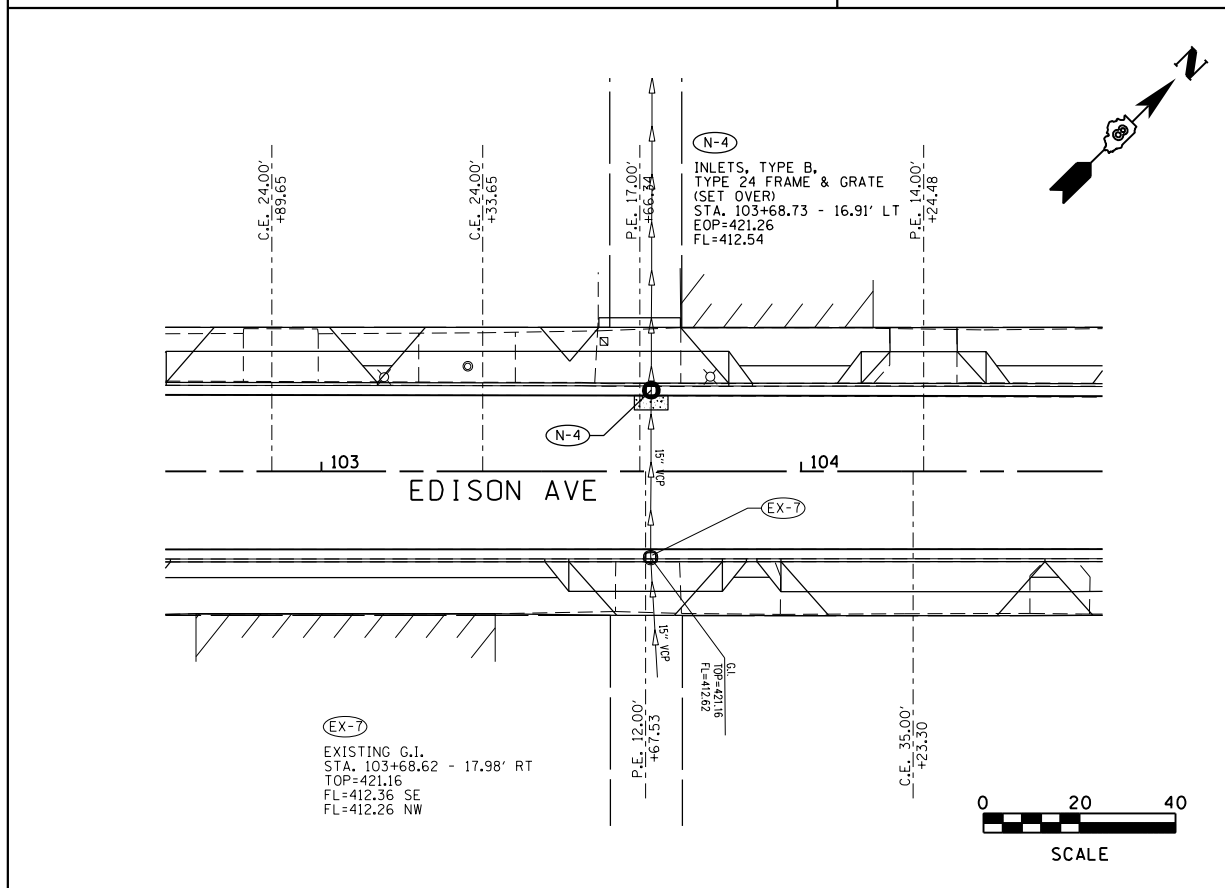
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F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
9090	10-00191-00-LS	MADISON	58	39
CONTRACT NO. 97653				
ILLINOIS FED. AID PROJECT				

PLAN	SURVEYED	DATE
	PLOTTED	BY
	ALIGNED	
	CHECKED	
	FILED	
	NO.	



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



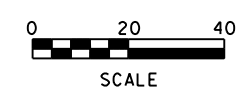
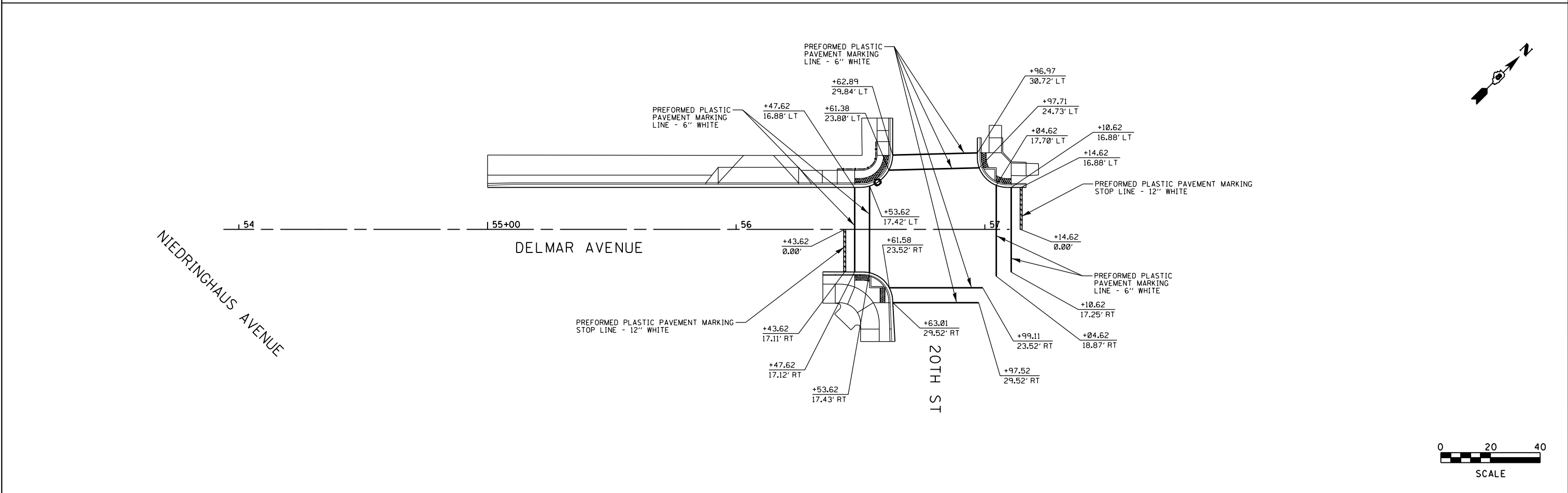
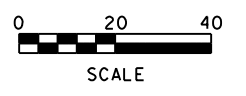
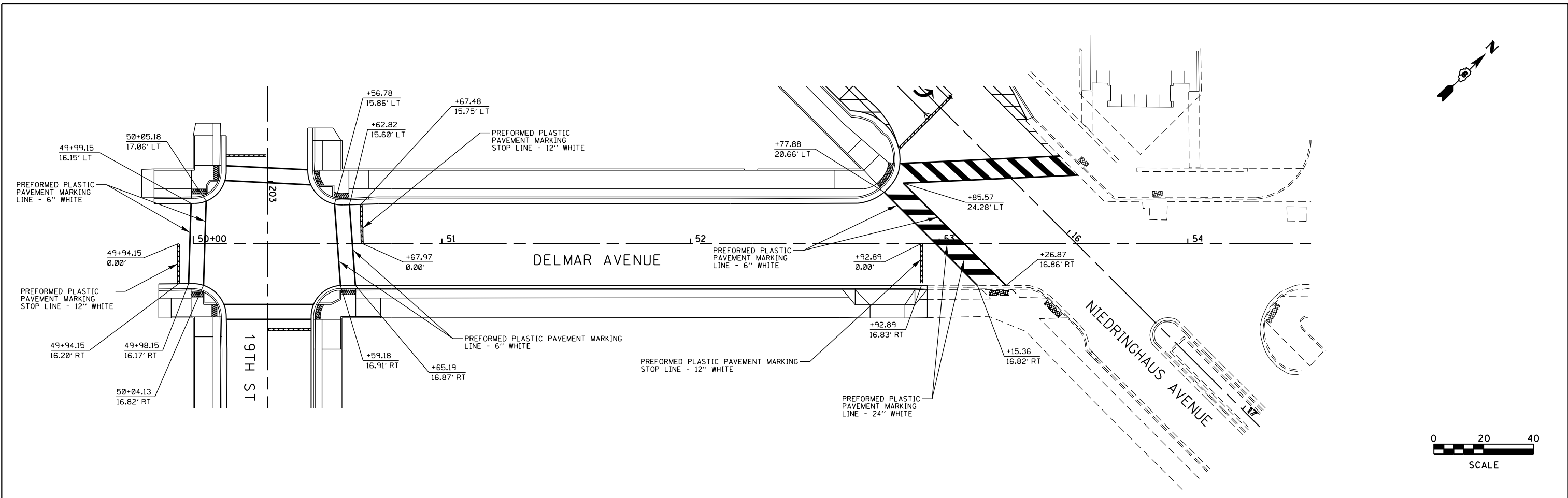
FILE NAME = drainage plan and profile.dgn	USER NAME = tkruop	DESIGNED - SAS	REVISED -
JUNEAU Job No. E110226	PLOT SCALE = 40.0000' / in.	DRAWN - RKR	REVISED -
	PLOT DATE = 2/8/2018	CHECKED - BFK	REVISED -
		DATE - 5/11/17	REVISED -

**NIEDRINGHAUS AVENUE STREETSCAPE PHASE 2
GRANITE CITY, ILLINOIS**

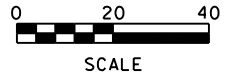
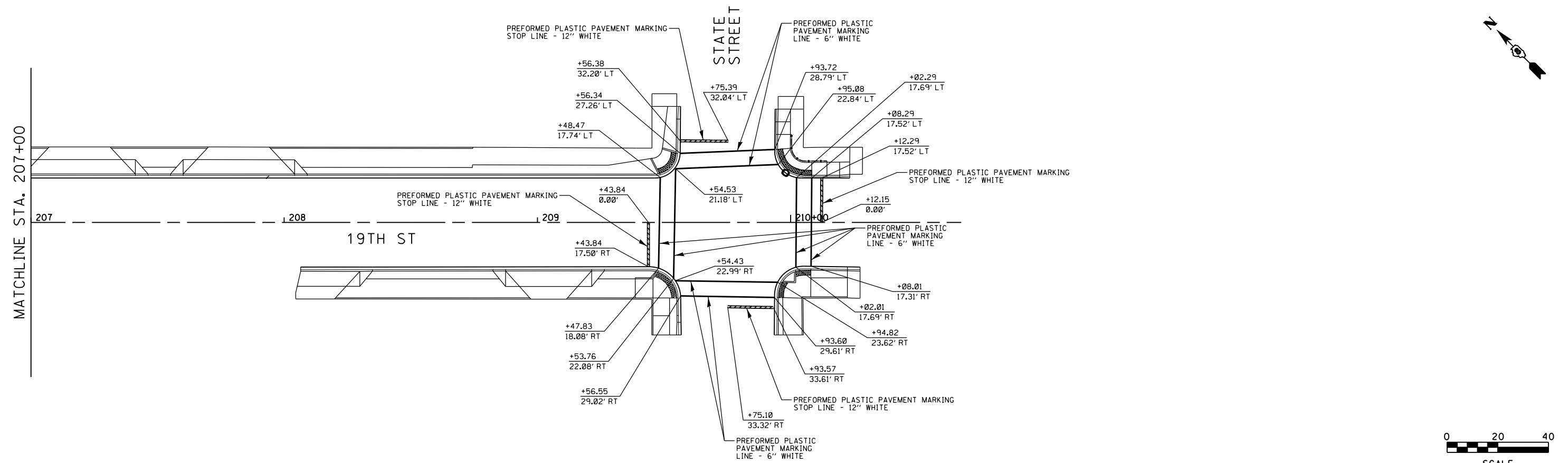
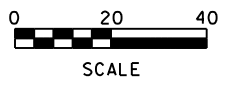
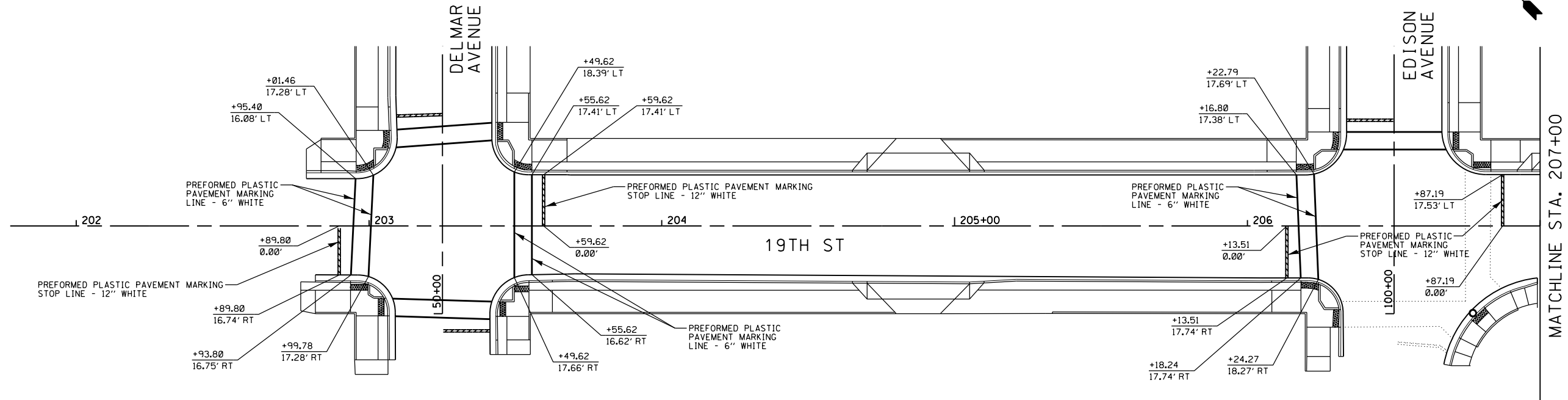
DRAINAGE PLAN & PROFILE

SCALE: 1"=20' SHEET NO. 1 OF 1 SHEETS STA. TO STA.





F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
9090	10-00191-00-LS	MADISON	58	40
CONTRACT NO. 97653				
ILLINOIS FED. AID PROJECT				



FILE NAME = pmark 02.dgn	USER NAME = tkruep	DESIGNED - BFK	REVISED -	NIEDRINGHAUS AVENUE STREETSCAPE PHASE 2 GRANITE CITY, ILLINOIS	PAVEMENT MARKINGS			F.A.U. R.T.E. = 9090	SECTION = 10-00191-00-LS	COUNTY = MADISON	TOTAL SHEETS = 58	SHEET NO. = 42
JUNEAU Job No. E110226	PLOT SCALE = 40.0000' / in.	CHECKED - BFK	REVISED -		SCALE: 1" = 20'	SHEET NO. 2 OF 3 SHEETS	STA.	TO STA.	CONTRACT NO. 97653			
	PLOT DATE = 2/8/2018	DATE = 5/11/17	REVISED -		ILLINOIS FED. AID PROJECT							



FILE NAME = pmark 03.dgn	USER NAME = tkruep	DESIGNED - BFK	REVISED -	NIEDRINGHAUS AVENUE STREETSCAPE PHASE 2 GRANITE CITY, ILLINOIS	PAVEMENT MARKINGS			F.A.U. RTE. 9090	SECTION 10-00191-00-LS	COUNTY MADISON	TOTAL SHEETS 58	SHEET NO. 43
JUNEAU Job No. E110226	PLOT SCALE = 40.0000' / in.	CHECKED - BFK	REVISED -		SCALE: 1" = 20'	SHEET NO. 3 OF 3 SHEETS	STA.	TO STA.	CONTRACT NO. 97653			
	PLOT DATE = 2/8/2018	DATE - 5/11/17	REVISED -		ILLINOIS FED. AID PROJECT							

SYMBOL INDEX	
	LED POLE MOUNTED LUMINAIRE WITH BASE - PROPOSED
	GRADE MOUNTED COMPOSITE PULLBOX
	POWER CIRCUIT IN SCH. 40 PVC CONDUIT - BELOW GRADE
LCC-1/3	PANELBOARD DESIGNATION (1/3 INDICATES 2-POLE POSITIONS 1 & 3)
	LIGHTING CONTROL CABINET - INSTALLED ON CONCRETE 4" PAD

GENERAL DESIGN NOTES

- THE INTENT OF THESE CONSTRUCTION DOCUMENTS IS TO PROVIDE THE ELECTRICAL CONTRACTOR THE INFORMATION NEEDED FOR SUPPLYING COMPLETE OPERATIONAL ELECTRICAL SYSTEMS. SHOULD THERE BE ANY QUESTIONS CONCERNING RESPONSIBILITY OR SCOPE OF WORK, THEY SHALL BE SETTLED BEFORE BID SUBMISSION AND CONTRACT SIGNING. IF REQUIRED INFORMATION IS NOT AVAILABLE, THE EC SHALL INCLUDE IN THE BID PRICE ADDED ITEMIZED ALLOWANCES. THESE ALLOWANCES SHALL BE USED WITH OWNER'S APPROVAL ONLY.
- THE EC SHALL RECORD ON A COPY OF THE CONSTRUCTION DOCUMENTS ALL CONDUCTOR LENGTHS FOR EACH FEEDER AND BRANCH CIRCUIT. THIS INFORMATION SHALL BE TURNED OVER TO THE ELECTRICAL ENGINEER AT REQUEST.

DEVICE SUBSCRIPTS

a	LOWER CASE LETTER INDICATES DEVICE CONTROL ARRANGEMENT
7	NUMERAL INDICATES BRANCH CIRCUIT NUMBER
C	ITEM INSTALLED FLUSH IN CEILING
ETR	EXISTING TO REMAIN AND BE REUSED
EO	EQUIPMENT SUPPLIED BY OWNER
FL	ITEM INSTALLED FLUSH IN FLOOR
GFCI	GROUND FAULT CIRCUIT INTERRUPTING RECEPTACLE
GFI	GROUND FAULT CIRCUIT INTERRUPTING BREAKER PROTECTED
GFP	FEED THROUGH GROUND FAULT CIRCUIT INTERRUPTING PROTECTED
H	HORIZONTALLY MOUNTED
L	LOW VOLTAGE
M*	MONITORING POINT IDENTIFIER (* INDICATES MONITORING POINT)
NL	NIGHT LIGHT FIXTURE
P	PILOT LAMP SWITCH
S	SURFACE MOUNTED
TR	TAMPER RESISTANT
W	ITEM INSTALLED 44" A.F.F. OR AS DETAILED
WG	WIRE GUARD
WP	WEATHERPROOF

ELECTRICAL CODES

NFPA 70: NATIONAL ELECTRICAL CODE - 2011 EDITION

ALL PERTINENT FEDERAL, STATE AND LOCAL CODES

ELECTRICAL ABBREVIATIONS

A	AMPERE	MAX	MAXIMUM
AC	ARMOR CLAD CABLE	MBJ	MAIN BONDING JUMPER
AF	AMPERE FRAME	MC	MECHANICAL CONTRACTOR
AFF	ABOVE FINISHED FLOOR	MCB	MAIN CIRCUIT BREAKER
AHU	AIR HANDLING UNIT	MCC	MOTOR CONTROL CENTER
AIC	AMPERE INTERRUPTING CAPACITY	MCP	MOTOR CIRCUIT PROTECTOR
AL	ALUMINUM	MDP	MAIN DISTRIBUTION PANELBOARD
ANSI	AMERICAN NATIONAL STANDARDS INSTITUTE	MFS	MAIN FUSED SWITCH
ATS	AUTOMATIC TRANSFER SWITCH	MGB	MAIN GROUND BAR
AWG	AMERICAN WIRE GAUGE	MI	MINERAL INSULATED CABLE
		MIN	MINIMUM
BAS	BUILDING AUTOMATION SYSTEM	MLO	MAIN LUGS ONLY
BLDG	BUILDING	MSB	MAIN SWITCHBOARD
		MTD	MOUNTED
C	CONDUIT	MTS	MANUAL TRANSFER SWITCH
CAT	CATALOG	MV	MEDIUM VOLTAGE
CB	CIRCUIT BREAKER	N	NEUTRAL
CCTV	CLOSED CIRCUIT TELEVISION	NA	NOT APPLICABLE
CKT	CIRCUIT	NF	NON-FUSED
CLG	CEILING	NC	NORMALLY CLOSED
CM	CONSTRUCTION MANAGER	NEC	NATIONAL ELECTRICAL CODE
CT	CABLE TRAY / CURRENT TRANSFORMER	NEMA	NATIONAL ELECTRICAL MANUFACTURERS ASSOCIATION
CU	COPPER	NFPA	NATIONAL FIRE PROTECTION ASSOCIATION
		NIC	NOT IN CONTRACT
DIA	DIAMETER	NO	NORMALLY OPEN
DIV	DIVISION	NOC	NETWORK OPERATIONS CENTER
DN	DOWN	NTS	NOT TO SCALE
DWG	DRAWING		
		OC	ON CENTER
EA	EACH	OCPD	OVERCURRENT PROTECTIVE DEVICE
EF	EXHAUST FAN	OD	OUTSIDE DIAMETER
ELEV	ELEVATOR	OH	OVERHEAD
EMS	ENERGY MANAGEMENT SYSTEM		
EMT	ELECTRICAL METALLIC TUBING	P	POLE
EO	EQUIPMENT BY OWNER	PB	PULLBOX/PUSHBUTTON
EQUIP	EQUIPMENT	PH/*	PHASE
ETR	EXISTING TO REMAIN	PNL	PANELBOARD
EWK	ELECTRIC WATER COOLER	PLC	PROGRAMMABLE LOGIC CONTROLLER
EWB	ELECTRIC WALL HEATER OR WATER HEATER	PSS	PRIMARY SERVICE SWITCHGEAR
EXH	EXHAUST	PT	POTENTIAL TRANSFORMER
EXIST	EXISTING	PVC	POLYVINYL CHLORIDE
		PWR	POWER
F	FUSE	RCP	REFLECTED CEILING PLANS
FAC	FIRE ALARM CONTROL PANEL	RE	REFER TO
FBO	FURNISHED BY OTHERS	RGS	RIGID GALVANIZED STEEL
FLR	FLOOR	RM	ROOM
FS	FUSIBLE SWITCH	RUPS	ROTARY HYBRID UNINTERRUPTIBLE POWER SUPPLY
FTL	FEED THRU LUGS		
		SCHED	SCHEDULE
GA	GAUGE	SE	SERVICE ENTRANCE
GALV	GALVANIZED	SFL	SUB FEED LUGS
GEC	GROUNDING ELECTRODE CONDUCTOR	SPEC	SPECIFICATION
GEN	GENERATOR OR GENSET	STD	SHORT TIME DELAY
GFCI	GROUND FAULT CIRCUIT INTERRUPTING	STR	STARTER
GFI	GROUND FAULT INTERRUPTING	SWBD	SWITCHBOARD
GFP	GROUND FAULT PROTECTION	SWGR	SWITCHGEAR
GND	GROUND		
GRAP	GENERATOR REMOTE ANNUNCIATOR PANEL	TBD	TO BE DETERMINED
		TC	TERMINAL CABINET
HC	HARMONIC CONDITIONING TRANSFORMER	TERM	TERMINAL
HCC	HEATING CONTROLS CONTRACTOR	TEL	TELEPHONE
HD	HEAVY DUTY	THD	TOTAL HARMONIC DISTORTION
HF	HARMONIC FILTER	TR	TELECOMMUNICATIONS ROOM
HFT	HARMONIC FILTER WITH INTEGRAL TRANSFORMER	TVSS	TRANSIENT VOLTAGE SURGE SUPPRESSION
HID	HIGH INTENSITY DISCHARGE	TYP	TYPICAL
HOA	HAND OFF AUTO	UC	UNDERCOUNTER
HP	HORSEPOWER	UG	UNDERGROUND
HS	HARMONIC SUPPRESSION TRANSFORMER	UH	UNIT HEATER
HTR	HEATER	U.N.O	UNLESS NOTED OTHERWISE
HZ	HERTZ (CYCLES PER SECOND)	UPS	UNINTERRUPTIBLE POWER SUPPLY
		USS	UNIT SUBSTATION
ID	INSIDE DIAMETER	V	VOLT
IMC	INTERMEDIATE METAL CONDUIT	VA	VOLT-AMPS
		VFC	VARIABLE FREQUENCY CONTROLLER
J	JUNCTION BOX	VFD	VARIABLE FREQUENCY DRIVE
		VM	VOLTMETER
KV	KILOVOLT	VSD	VARIABLE SPEED DRIVE
KVA	KILOVOLT AMPERE		
KW	KILOWATT	W	WATT
KWH	KILOWATT HOUR	WP	WEATHERPROOF
LA	LIGHTNING ARRESTOR	XFMR	TRANSFORMER
LS	LIFE SAFETY		
LTD	LONG TIME DELAY	Z	IMPEDENCE (FOR TRANSFORMERS)
LTG	LIGHTING		

LOAD CALCULATION REPORT

ELECTRICAL CHARACTERISTICS	CONNECTED LOAD (KW)	CONTINUOUS DEMAND FACTOR	ESTIMATED DEMAND LOAD (KW)
LIGHTING	5.3	1.00	5.3
WATER HEATING	0	0.70	0
COOKING	0	0.90	0
HVAC (TOTAL)	0	1.00	0.0
HVAC (LARGEST UNIT)	0	0.85	0
ELECTRICAL HEATING TOTAL	0	1.00	0.0
MOTOR LOAD (EXCLUDING HVAC)	0	0.84	0.0
RECEPTACLE	0	1.00	0
OTHER LOADS OR PROCESS LOADS	0	1.00	0
TOTAL LOAD	5.3		5.3

NOTES:
1 BESIDE SUPPORT EQUIPMENT IN THE LCC, THE ONLY LOAD ON THIS PANELBOARD IS LED ROADWAY LIGHTING
ALL OTHER LOADS ARE NEGLIGIBLE.
CIRCUIT LCC-1/3 = 2464W. CIRCUIT LCC-2/4 = 2800W.

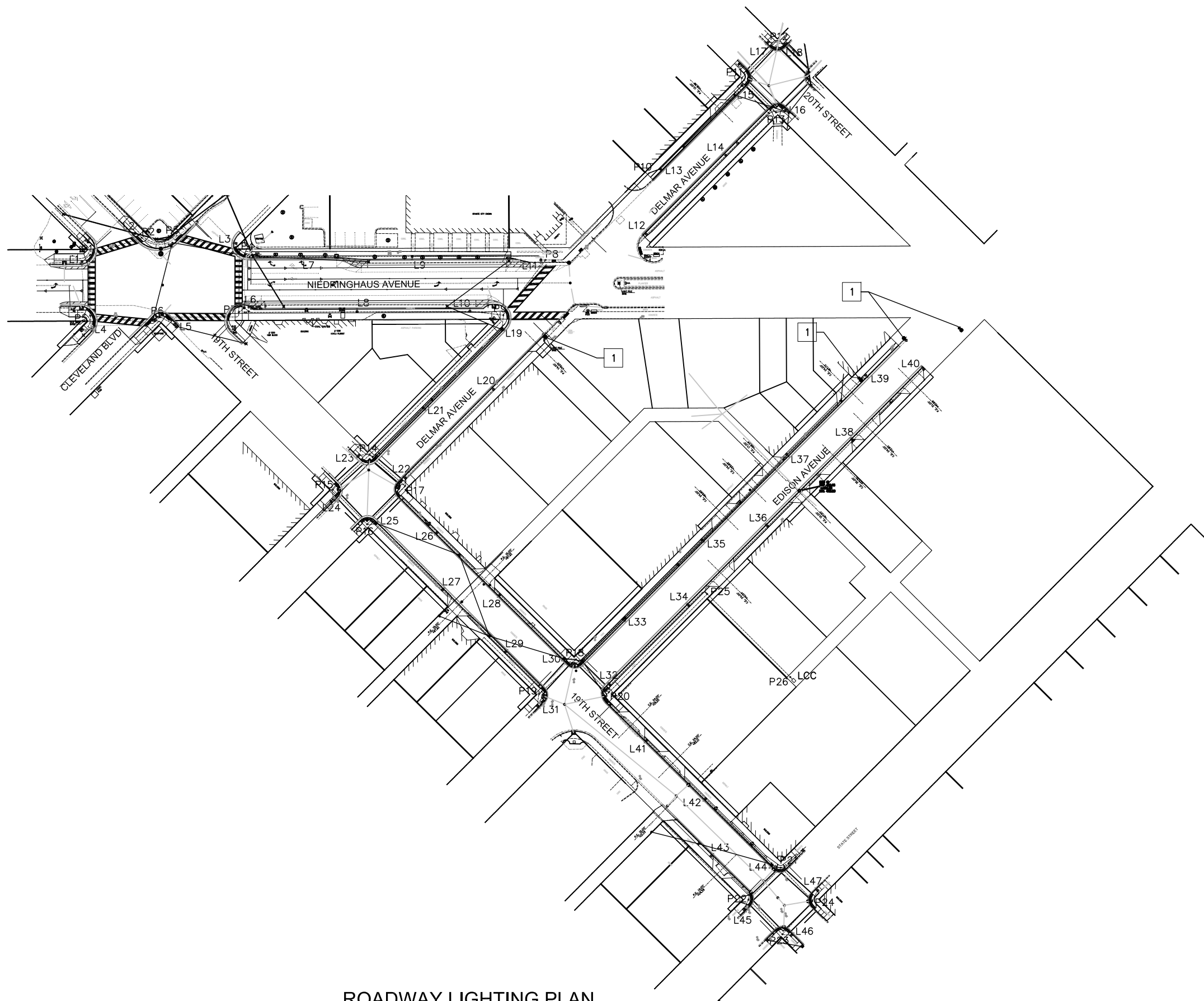
LUMINAIRE SCHEDULE

DESCRIPTION	MOUNTING	VOLTAGE	TOTAL INPUT WATTS	COLOR TEMP	CRI	REMARKS
DECORATIVE ROADWAY LIGHT ASSEMBLY	POLE	120-277	112	4500K	75	NOTES 1,2,3,4

NOTES:

- CONTRACTOR TO PROVIDE A COMPLETE AND OPERATIONAL LUMINAIRE ASSEMBLY, INCLUDING FIXTURE, POLE, ANCHOR BOLTS AND BASE.
- SYSTEM VOLTAGE FOR EACH FIXTURE IS 240VAC.
- TAPERED ALUMINUM POLE LENGTH IS APPROXIMATELY 24 FT. BOTTOM OF FIXTURE TO BE ARM MOUNTED APPROXIMATELY 20 FT ABOVE SURFACE.
- WHEN ORDERING FIXTURES AND POLES, CONTACT BOB DOZIER; MCCULLY & ASSOCIATES; 309.242.0377; bdozier@pmccully.com

INTEGRATED FACILITY SOLUTIONS, INC. 8800 W. 10TH AVENUE ST. LOUIS, MISSOURI 63126 314.737.9100 FAX 314.737.9101 LICENSED PROFESSIONAL ELECTRICAL ENGINEER 14400040	USER NAME = MCLAUSNER	DESIGNED - MJC	REVISED - -	CITY OF GRANITE CITY NIEDRINGHAUS AVENUE STREETScape PH 2	LEGEND SHEET			F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
		DRAWN - MJC	REVISED - -		9090	10-00191-00-LS	MADISON	58	44			
	PLOT SCALE = ON DRAWING	CHECKED - MJC	REVISED - -		CONTRACT NO. 97653							
PLOT DATE = 06/05/2016	DATE - 06/06/2016	REVISED - -	SCALE: NO SCALE	SHEET 1 OF 4 SHEETS	STA.	TO STA.	ILLINOIS FED. AID PROJECT					



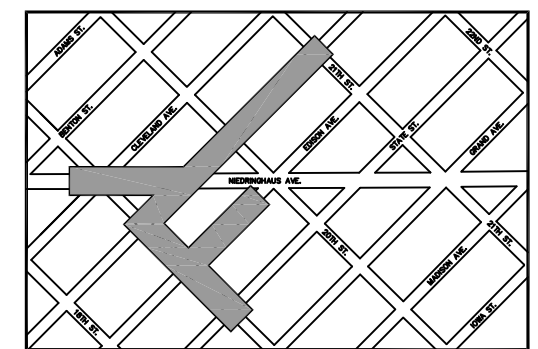
ELECTRICAL GENERAL NOTES

1. UTILITY IS RESPONSIBLE FOR WORK ASSOCIATED WITH THE DEMOLITION OF EXISTING POWER CIRCUITS/RACEWAYS, LIGHT POLES, AND CONCRETE BASES. WHERE NON-UTILITY LIGHTING, SECURITY CAMERAS, ETC., EXIST ON POLES BEING DEMOLISHED, THE CUSTOMER IS RESPONSIBLE FOR COORDINATING WITH UTILITY FOR REMOVAL AND RETENTION.
2. PRIOR TO CONCRETE BASE ROUGH-IN, CONTRACTOR SHALL CLEARLY MARK EACH POLE LOCATION AND COORDINATE WITH OTHER TRADES AND UNDERGROUND UTILITIES.
3. CONTRACTOR SHALL HAVE ALL UNDERGROUND UTILITIES MARKED A MINIMUM OF 72HRS PRIOR TO BEGINNING TRENCHING, DIRECTIONAL BORING AND/OR DIGGING FOR POLE BASES.
4. TYPICAL STREETLIGHT LOCATIONS ARE SHOWN APPROXIMATE ON DRAWINGS AND SHALL BE FIELD COORDINATED. TYPICALLY POLES AND HANDHOLES SHALL BE LOCATED WITHIN THE SIDEWALK'S CURB ZONE AND CENTERED ON A LINE APPROXIMATELY 20 INCHES FROM THE FACE OF CURB. LOCATIONS SHOWN MIGHT NEED MINOR ADJUSTMENTS TO AVOID UTILITIES AND OTHER CONDITIONS. IF LOCATION VARIES MORE THAN 5 LF, CONTACT ENGINEER FOR WRITTEN DIRECTION.
5. ALL UNDERGROUND RACEWAYS TO BE INSTALLED AT OR BELOW FROST LINE OR 30" BELOW FINISHED GRADE TO THE TOP OF THE RACEWAY, WHICHEVER IS DEEPER.
6. PROVIDE PULLSTRING IN ALL NEW UNUSED RACEWAY.
7. ALL ELECTRICAL EQUIPMENT (I.E. PANELBOARDS, CABINET SECTIONS IN CONTROL CABINET, LIGHT POLES, LIGHT CIRCUIT, ETC.) SHALL BE PERMANENTLY LABELED. ALL FEEDERS AND BRANCH CIRCUITS SHALL BE LABELED AT ALL HANDHOLES.
8. REFER TO CIVIL PLANS FOR CONCRETE BASE CONSTRUCTION DETAIL.
9. CONTRACTOR IS RESPONSIBLE FOR COORDINATING UTILITY EASEMENT(S) WHERE REQUIRED.
10. REFER TO SHEET E2 FOR CIRCUITING INFORMATION.
11. ALL CONDUCTORS SHALL BE COPPER, U.N.O.
12. INSTALL FIXTURES AND POLES ACCORDING TO MANUFACTURER'S REQUIREMENTS. PROPERLY GROUND FIXTURE AND POLES PER NEC 250. INSTALL BASE PER CIVIL/STRUCTURAL AND ELECTRICAL DETAILS.

KEYED NOTES:

- 1 HID LIGHT FIXTURE AND POLE ASSEMBLY IS EXISTING TO REMAIN.

ROADWAY LIGHTING PLAN
SCALE: 1" = 60'-0"



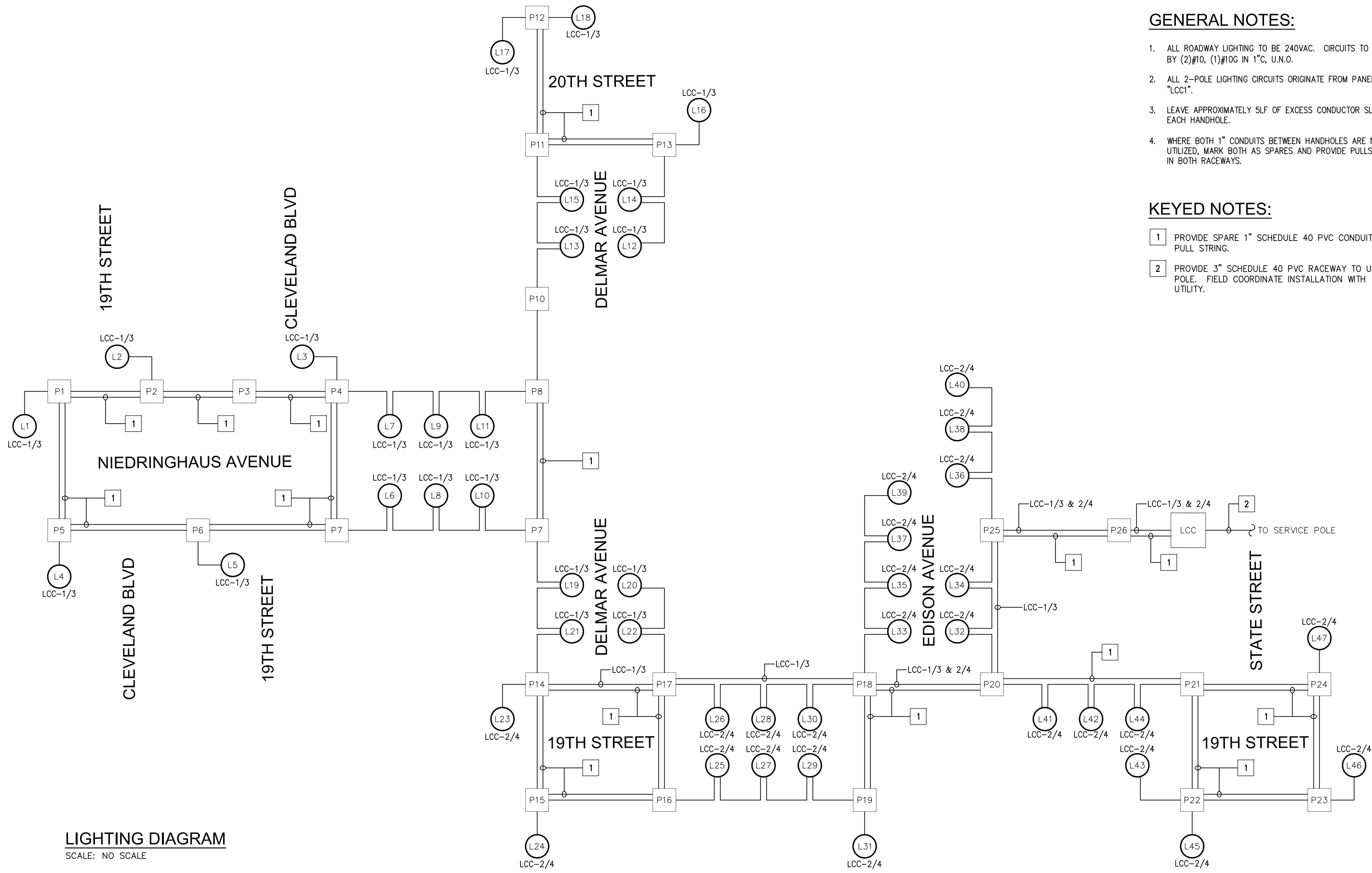
INTEGRATED FACILITY SOLUTIONS, INC.
1001 S. HARRISON ROAD
ST. LOUIS, MISSOURI 63128
314.727.0100 FAX: 314.727.0101
ILLINOIS PROFESSIONAL LICENSE NO. 14000040

USER NAME = MCLAUSNER	DESIGNED - MJC	REVISED - -
	DRAWN - MJC	REVISED - -
PLOT SCALE = ON DRAWING	CHECKED - MJC	REVISED - -
PLOT DATE = 06/05/2016	DATE - 06/06/2016	REVISED - -

CITY OF GRANITE CITY
NIEDRINGHAUS AVENUE STREETScape PH 2

SITE LIGHTING PLAN
SCALE: 1"=60' SHEET 2 OF 4 SHEETS STA. TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
9090	10-00191-00-LS	MADISON	58	45
CONTRACT NO. 97653				
ILLINOIS FED. AID PROJECT				



- GENERAL NOTES:**
1. ALL ROADWAY LIGHTING TO BE 240VAC. CIRCUITS TO BE FED BY (2)#10, (1)#10G IN 1" C, U.N.O.
 2. ALL 2-POLE LIGHTING CIRCUITS ORIGINATE FROM PANEL "LCC1".
 3. LEAVE APPROXIMATELY 5LF OF EXCESS CONDUCTOR SLACK IN EACH HANDHOLE.
 4. WHERE BOTH 1" CONDUITS BETWEEN HANDHOLES ARE NOT UTILIZED, MARK BOTH AS SPARES AND PROVIDE PULLSTRING IN BOTH RACEWAYS.

- KEYED NOTES:**
- 1 PROVIDE SPARE 1" SCHEDULE 40 PVC CONDUIT WITH PULL STRING.
 - 2 PROVIDE 3" SCHEDULE 40 PVC RACEWAY TO UTILITY POLE. FIELD COORDINATE INSTALLATION WITH UTILITY.

LIGHTING DIAGRAM
SCALE: NO SCALE

INTEGRATED FACILITY SOLUTIONS, INC.
1801 W. WASHINGTON ST.
ST. LOUIS, MISSOURI 63103
314.727.9100 FAX 314.727.9101
ILLINOIS PROFESSIONAL LICENSE NO. 184000480

USER NAME = MCLAUSNER	DESIGNED - MJC	REVISED - -
	DRAWN - MJC	REVISED - -
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PLOT DATE = 06/05/2016	DATE - 06/06/2016	REVISED - -

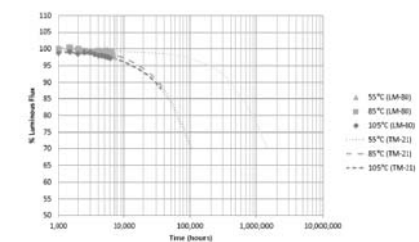
CITY OF GRANITE CITY
NIEDRINGHAUS AVENUE STREETScape PH 2

SITE LIGHTING CIRCUITING DIAGRAM
SCALE: 1"=20' SHEET 3 OF 4 SHEETS STA. TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
9090	10-00191-00-LS	MADISON	58	46
CONTRACT NO. 97653			ILLINOIS FED. AID PROJECT	

CREE TM-21 Lifetime Report

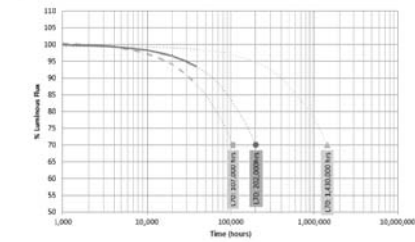
LED	XLamp XM-L2 White		
	2100 mA		
Output Set	8	8	7
Temp	55°C	85°C	105°C
Sample Size	25	25	25
Test Duration	6,552 hrs	6,552 hrs	6,548 hrs
n	2,493E-07	3,404E-06	3,434E-06
σ	9.952E-01	1.206E-00	9.946E-01
Calculated Lifetime	L70(P70) > 118,000 hours	L50(P50) > 107,000 hours	L30(P30) > 103,000 hours
Reported Lifetime	L70(P70) > 98,500 hours	L50(P50) > 98,500 hours	L30(P30) > 98,500 hours



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CREE TM-21 Lifetime Report

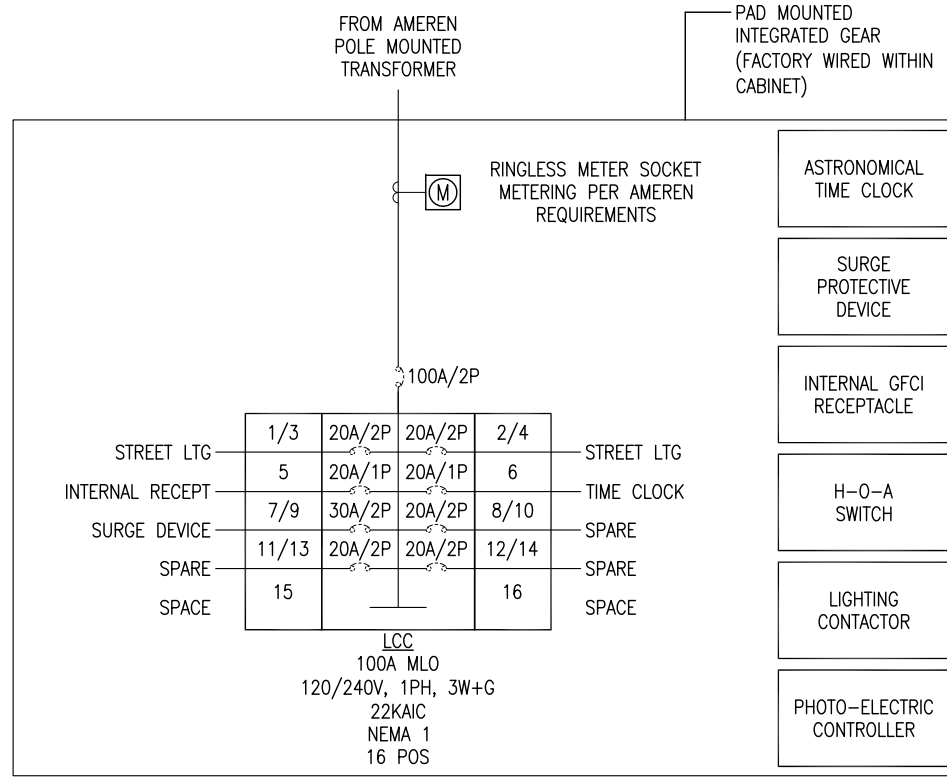
LED	XLamp XM-L2 White		
	2100 mA		
Output Set	7.5	7.5	7.5
Temp	55°C	77°C	85°C
Sample Size	128.15 K	950.25 K	158.15 K
Test Duration	30284 h	30284 h	30284 h
n	2.465E-07	1.000E-07	3.404E-06
σ	9.952E-01	1.000E-00	1.000E-00
Calculated L70	L70(P70) > 118,000 hours	L70(P70) > 118,000 hours	L70(P70) > 107,000 hours
Reported L70	L70(P70) > 118,000 hours	L70(P70) > 118,000 hours	L70(P70) > 107,000 hours
Calculated Lifetime	L70(P70) > 118,000 hours	L70(P70) > 118,000 hours	L70(P70) > 107,000 hours
Reported Lifetime	L70(P70) > 98,500 hours	L70(P70) > 98,500 hours	L70(P70) > 98,500 hours



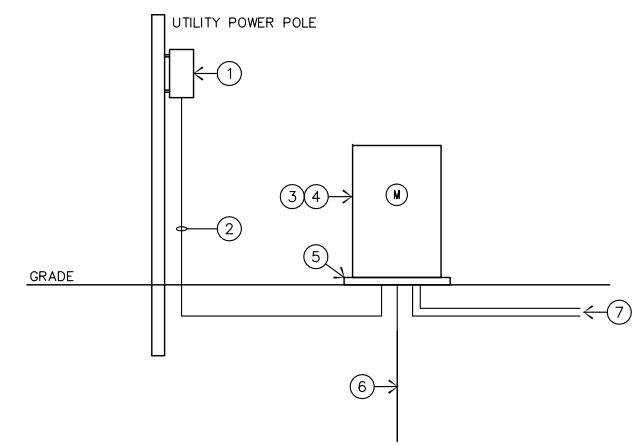
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F TM-21 REPORT
E3 SCALE: NO SCALE

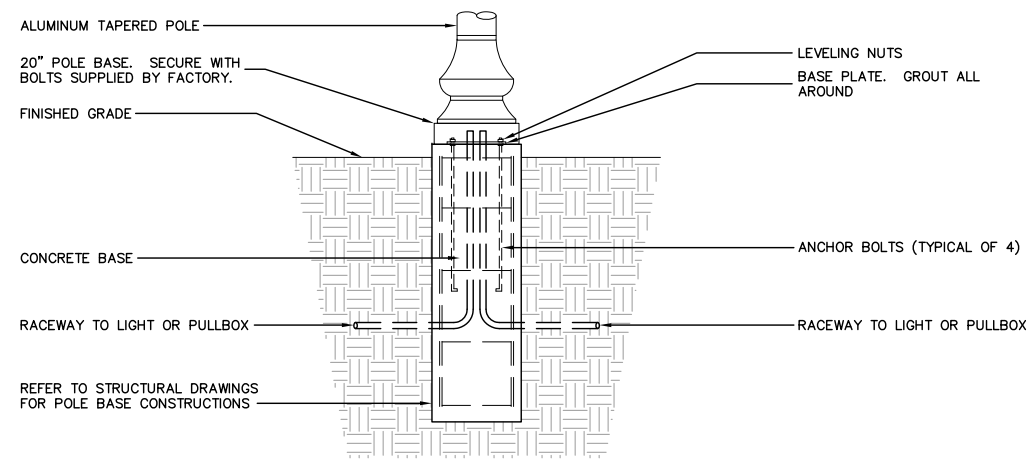
D COMMERCIAL PEDESTAL (LCC) SCHEMATIC DIAGRAM
E3 SCALE: NOT TO SCALE



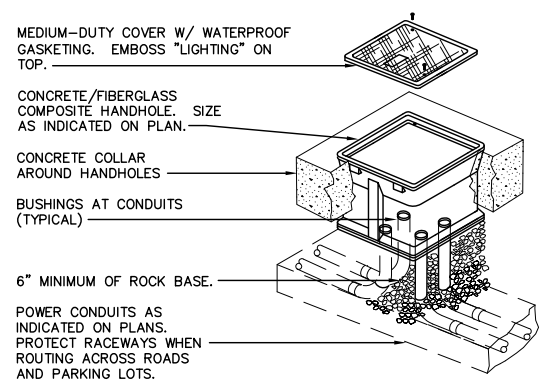
- ⊗ RISER DIAGRAM KEYED NOTES:**
- POLE MOUNTED TRANSFORMER:** UTILITY 120/240V, 1PH TRANSFORMER.
 - 100A SECONDARY SERVICE:** PROVIDE (2)#1, (1)#1 NEUTRAL IN 3". TRANSITION FROM METALLIC CONDUIT TO PVC RACEWAY AT GRADE. COORDINATE WITH UTILITY FOR CONDUIT AND CONDUCTOR INSTALLATION AND TERMINATION REQUIREMENTS.
 - ELECTRIC METERING:** METER CABINET INTEGRAL TO LIGHTING CONTROL CABINET EC TO COORDINATE WORK WITH UTILITY COMPANY.
 - INTEGRATED GEAR:** INTEGRATED GEAR CABINET, CONTAINING SER PANELBOARD PP1, PANELBOARD PP2, 80KA SURGE PROTECTIVE DEVICE, DIGITAL METER, LIGHTING CONTACTORS, ASTRONOMICAL TIME CLOCK, GFI RECEPTACLE AND SWITCHES, IS FURNISHED BY OWNER AND INSTALLED BY EC.
 - CONCRETE PAD:** PROVIDE 4" CONCRETE PAD WITH 12" CLEARANCE AROUND ALL SIDE OF ENCLOSURE.
 - GROUNDING SYSTEM:** EC SHALL MEET THE INTENT OF ARTICLE 250 OF THE NATIONAL ELECTRICAL CODE (NEC). PROVIDE 3/4" X 10' LONG COPPER CLAD GROUND ROD. PROVIDE #2/0 CU GROUNDING CONDUCTOR TO GROUNDING ELECTRODE. IF NO FACTORY INSTALLED MAIN BONDING JUMPER CONNECTION EXISTS IN THE SERVICE ENTRANCE RATED (SER) PANELBOARD, PROVIDE #6 MAIN BONDING JUMPER (MBJ) BETWEEN NEUTRAL AND GROUND BUSS. IF 5 OHMS OR LESS OF EARTH RESISTANCE CANNOT BE ACHIEVED WITH A SINGLE GROUND ROD, PROVIDE ADDITIONAL GROUND ROD(S) UNTIL LEVEL IS ACHIEVED.
 - 20A LIGHTING CIRCUIT(S):** (2)#10, (1)#10G IN 1" RACEWAY.
 - SPARE RACEWAY:** PROVIDE 1" SPARE RACEWAYS WHERE INDICATED ON SHEET E2.



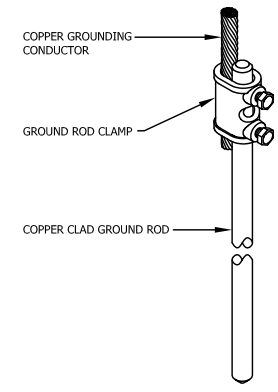
B ELECTRICAL RISER DIAGRAM
E3 SCALE: NOT TO SCALE



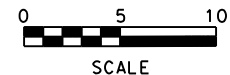
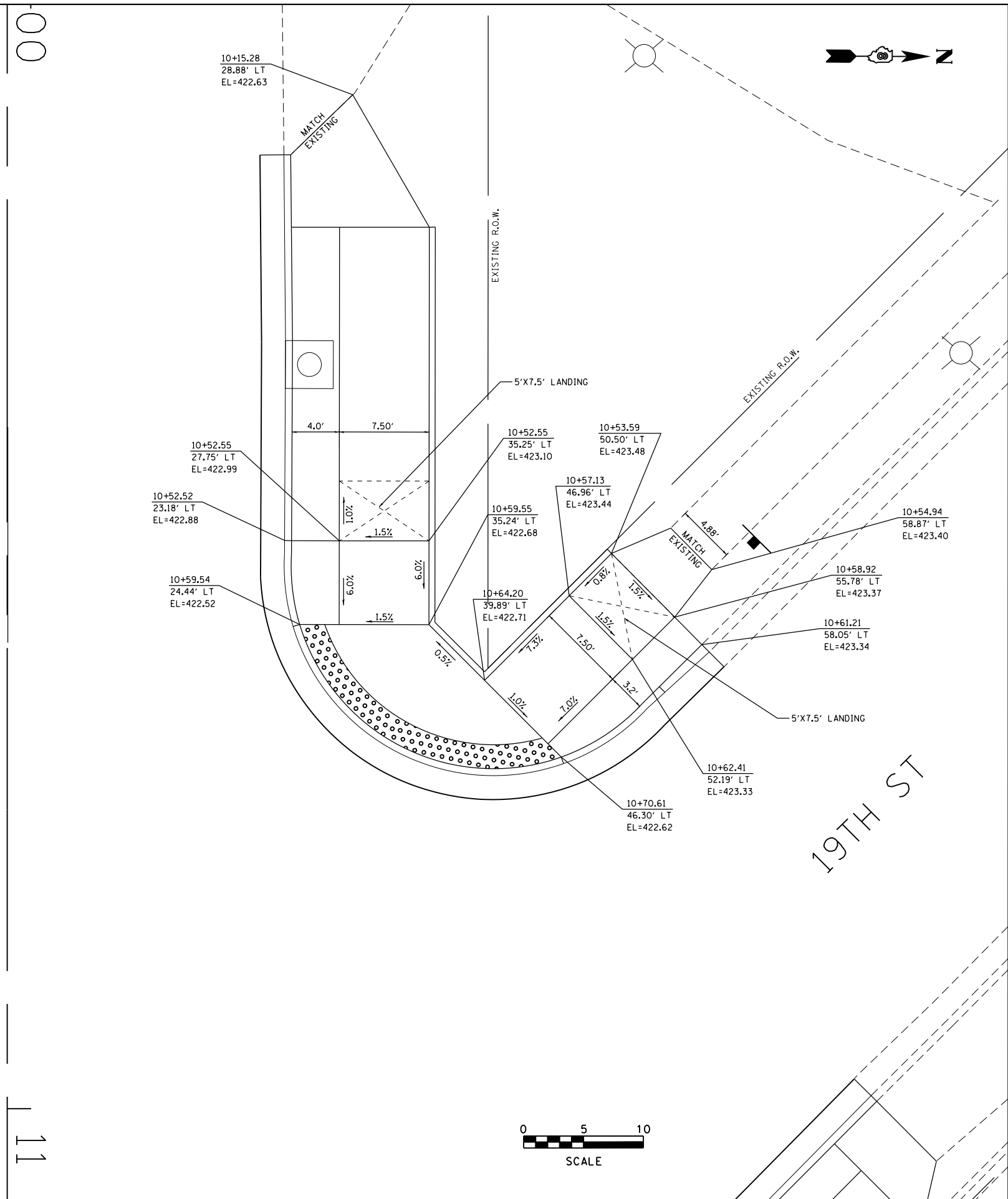
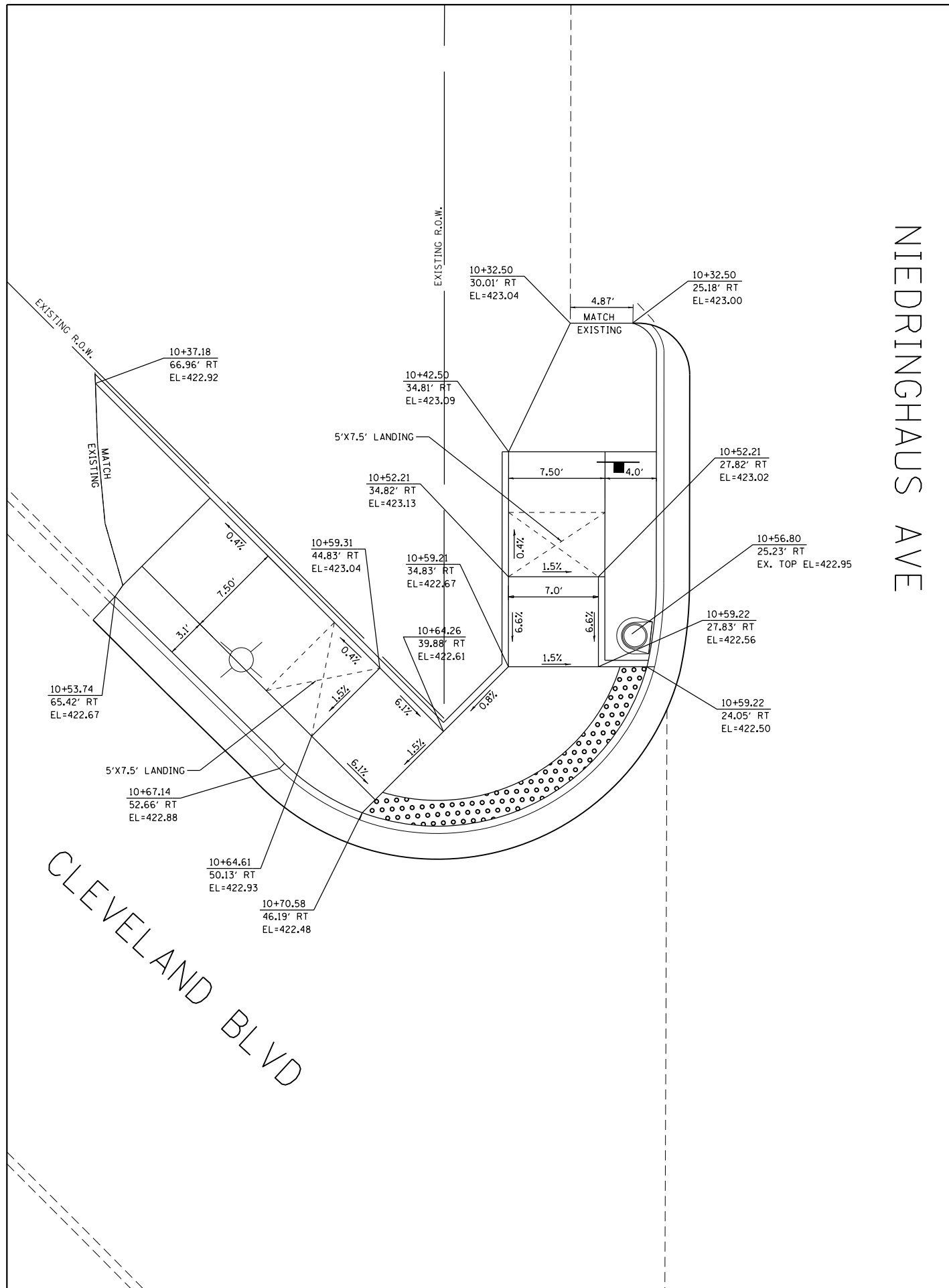
E LIGHT POLE BASE DETAIL
E3 SCALE: NOT TO SCALE



C HANDHOLE (SPECIAL) DETAIL
E3 SCALE: NOT TO SCALE



A TYPICAL GROUND ROD CONNECTION DETAIL
E3 SCALE: NOT TO SCALE



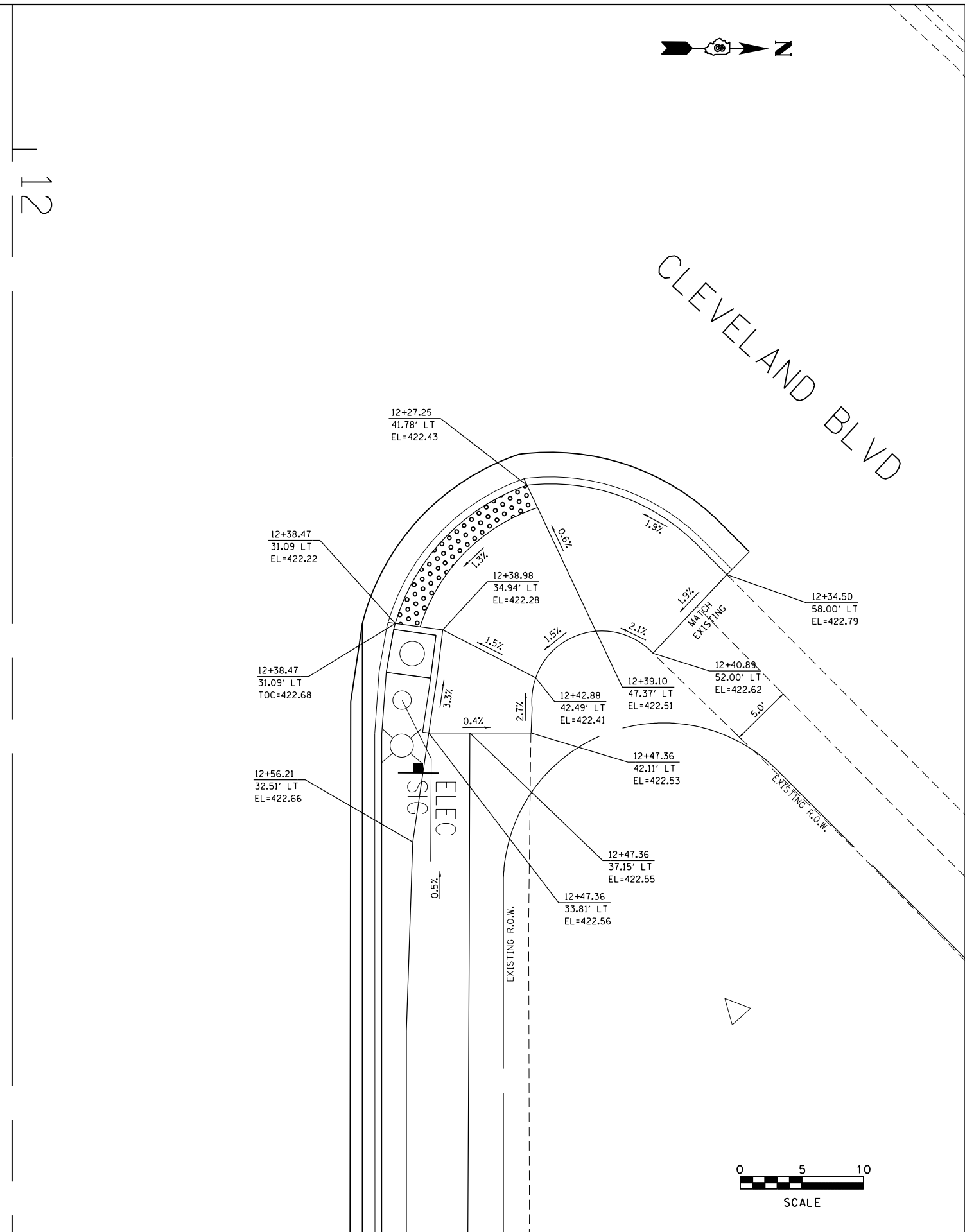
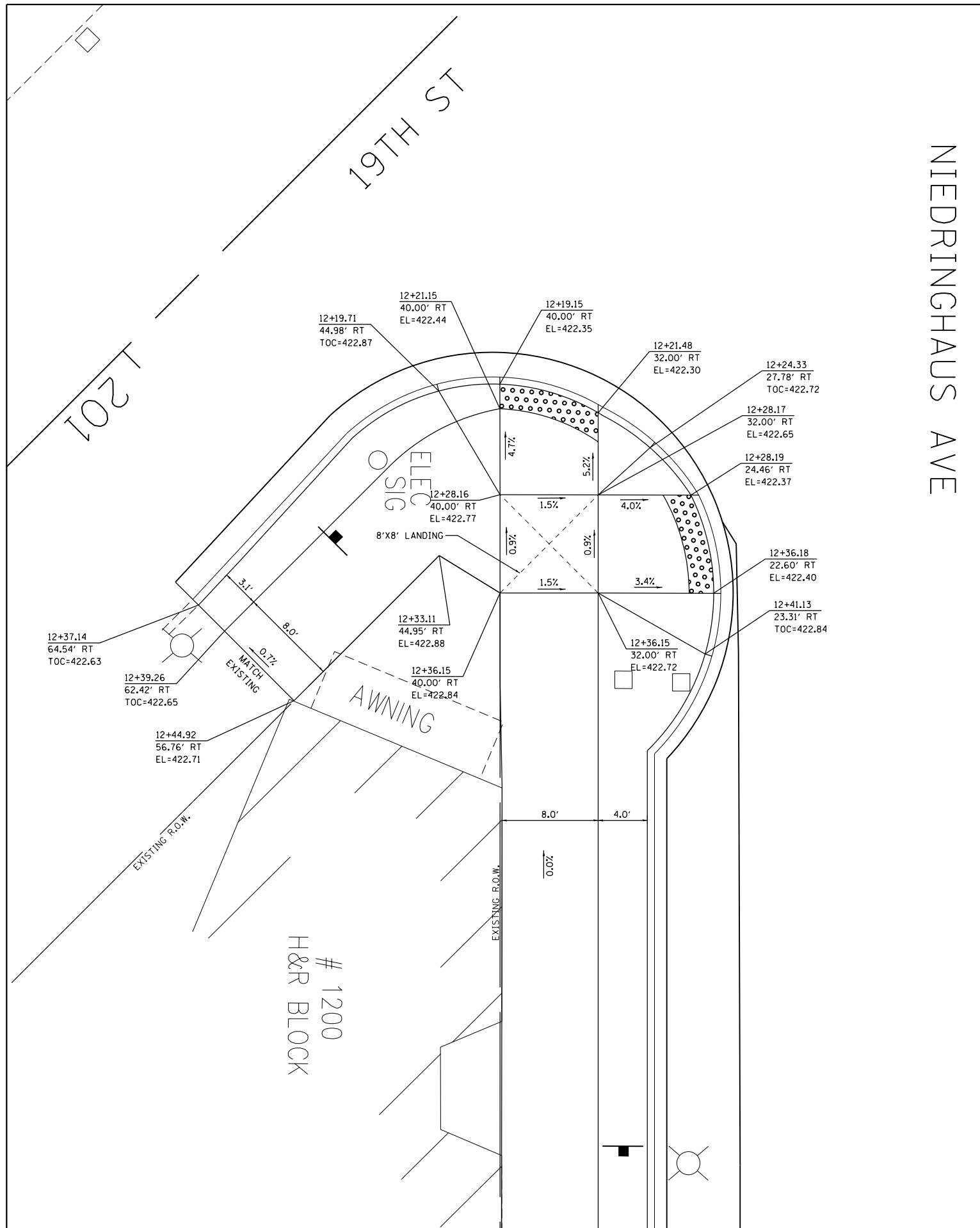
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JUNEAU Job No. E110226	PLOT SCALE = 10.0000' / in.	DRAWN - RKR	REVISED -
	PLOT DATE = 2/8/2018	CHECKED - BFK	REVISED -
		DATE - 5/11/17	REVISED -

**NIEDRINGHAUS AVENUE STREETSCAPE PHASE 2
GRANITE CITY, ILLINOIS**

**SIDEWALK RAMP PLAN
NIEDRINGHAUS AVE, CLEVELAND BLVD AND 19TH ST**

F.A.U. RTE. 9090	SECTION 10-00191-00-LS	COUNTY MADISON	TOTAL SHEETS 58	SHEET NO. 48
CONTRACT NO. 97653				ILLINOIS FED. AID PROJECT

SCALE: 1"=5' SHEET NO. 1 OF 8 SHEETS STA. TO STA.



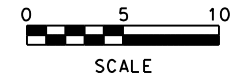
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JUNEAU Job No. E110226	PLOT SCALE = 10.0000' / in.	DRAWN - RKR	REVISED -
	PLOT DATE = 2/8/2018	CHECKED - BFK	REVISED -
		DATE - 5/11/17	REVISED -

**NIEDRINGHAUS AVENUE STREETSCAPE PHASE 2
GRANITE CITY, ILLINOIS**

**SIDEWALK RAMP PLAN
NIEDRINGHAUS AVE, CLEVELAND BLVD AND 19TH ST**

F.A.U. RTE. 9090	SECTION 10-00191-00-LS	COUNTY MADISON	TOTAL SHEETS 58	SHEET NO. 50
CONTRACT NO. 97653				
ILLINOIS FED. AID PROJECT				

SCALE: 1"=5' SHEET NO. 3 OF 8 SHEETS STA. TO STA.

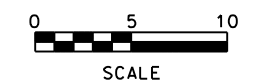
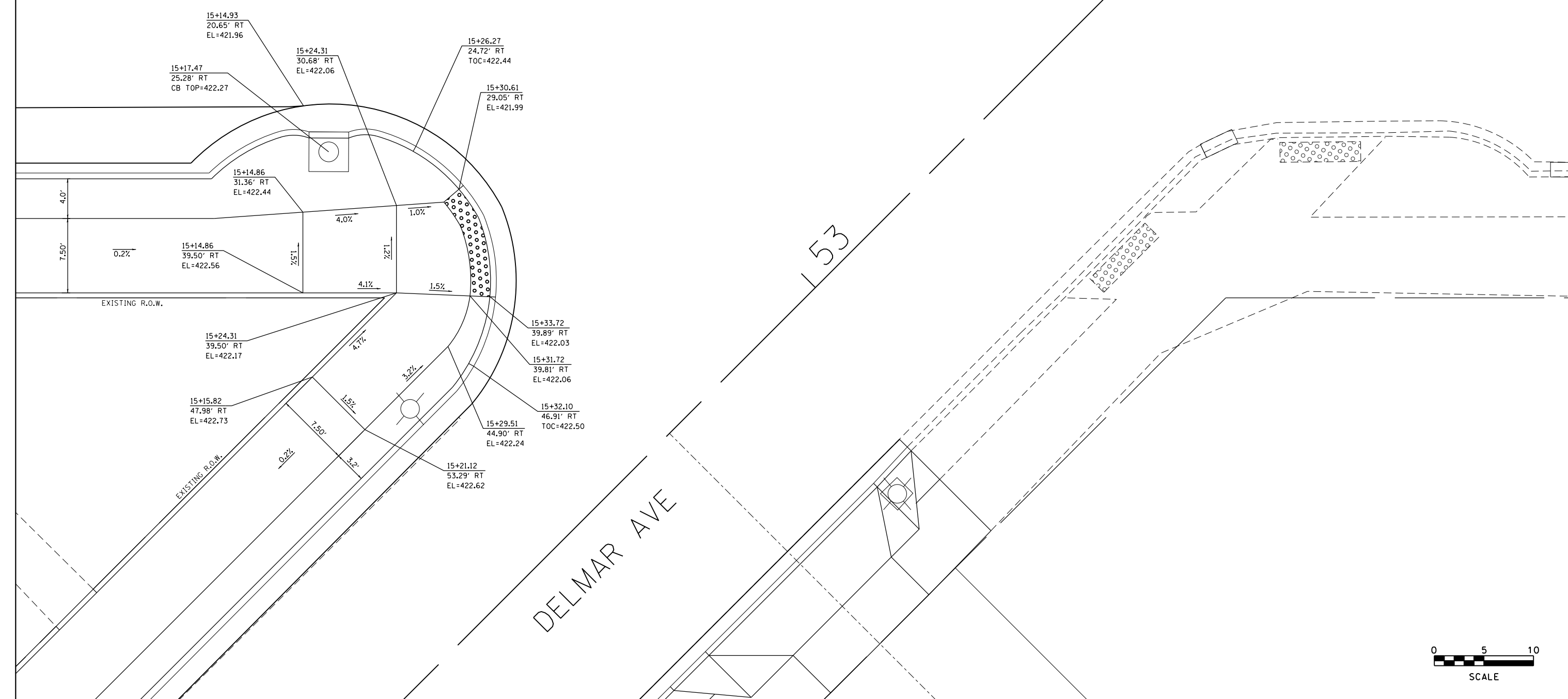




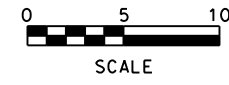
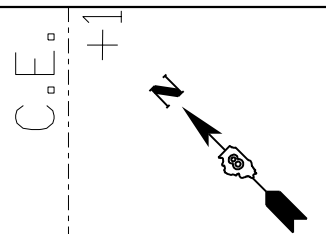
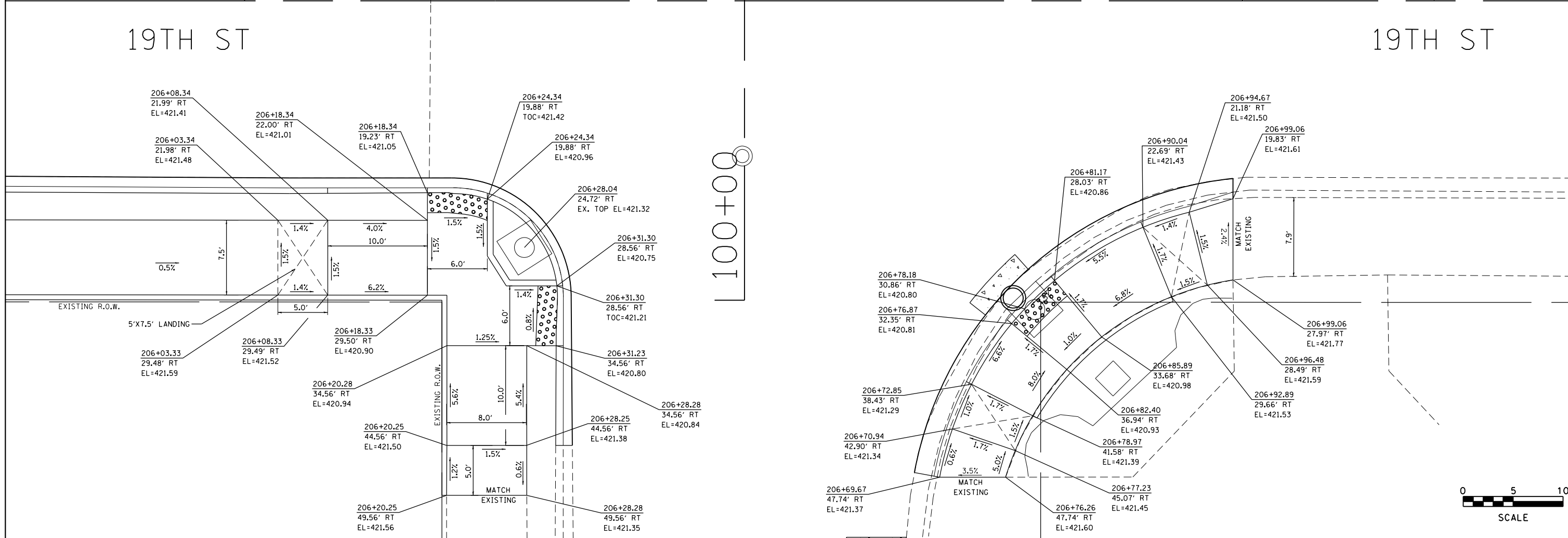
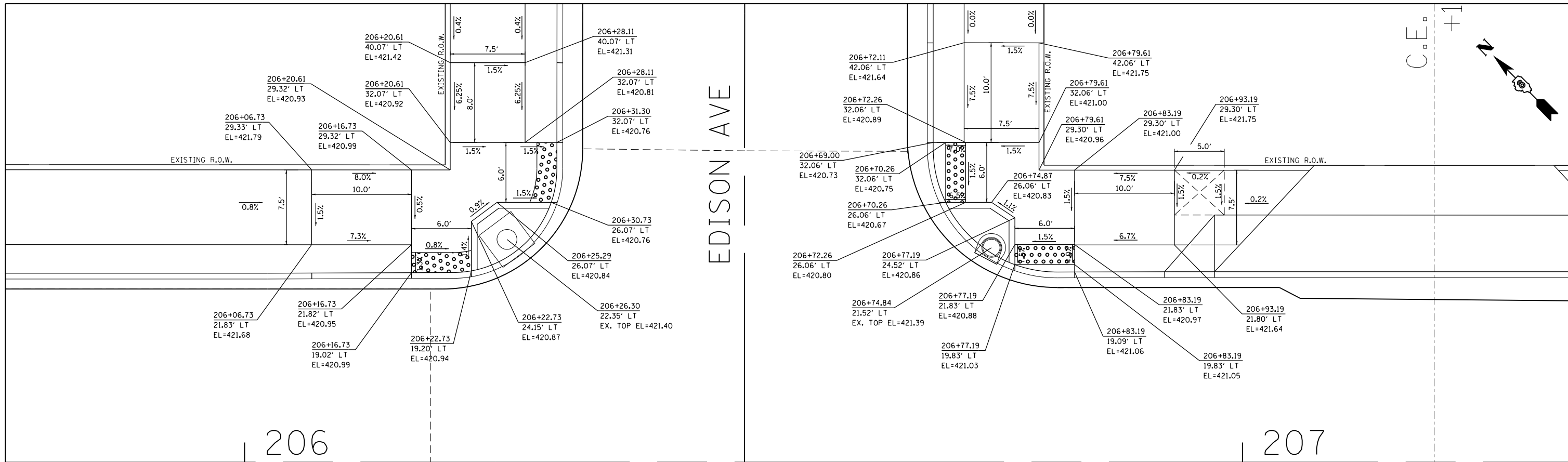
15+00

16

NIEDRINGHAUS AVE

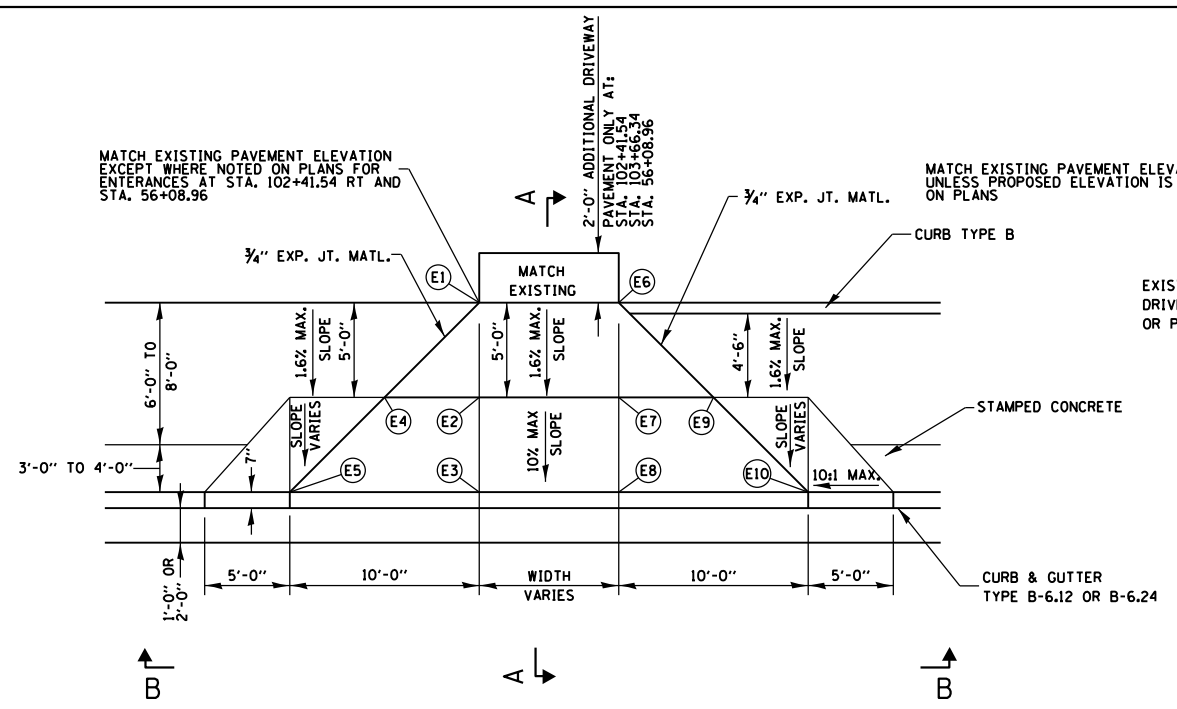


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	PLOT SCALE = 10.0000' / in.	CHECKED - BFK	REVISED -		SCALE: 1"=5'	SHEET NO. 4 OF 8 SHEETS	STA.	TO STA.	CONTRACT NO. 97653 ILLINOIS FED. AID PROJECT			
PLOT DATE = 2/8/2018	DATE = 5/11/17	REVISED -	REVISED -									

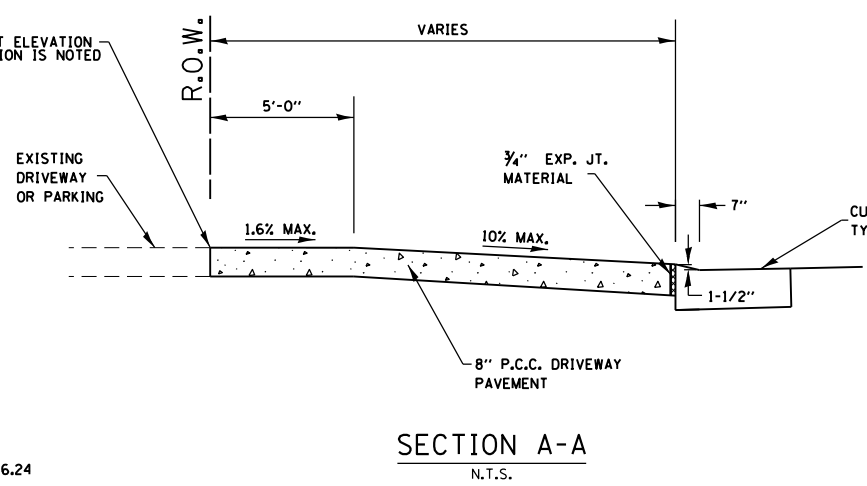


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JUNEAU Job No. E110226	PLOT SCALE = 10.0000' / in.	CHECKED - BFK	REVISED -		9090	10-00191-00-LS	MADISON	58	54			
	PLOT DATE = 2/16/2018	DATE - 5/11/17	REVISED -		SCALE: 1"=5'			SHEET NO. 7 OF 8 SHEETS		CONTRACT NO. 97653		
					STA. TO STA.			ILLINOIS FED. AID PROJECT				

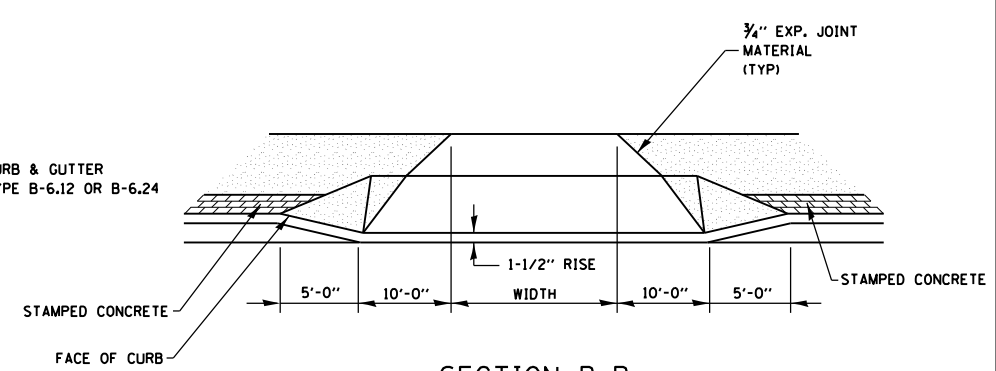
•• SLOPE SIDEWALK AT A 12:1 MAXIMUM TO MATCH DRIVEWAY APRON ELEVATION (TYPICAL BOTH SIDES)



PLAN
N.T.S.



SECTION A-A
N.T.S.



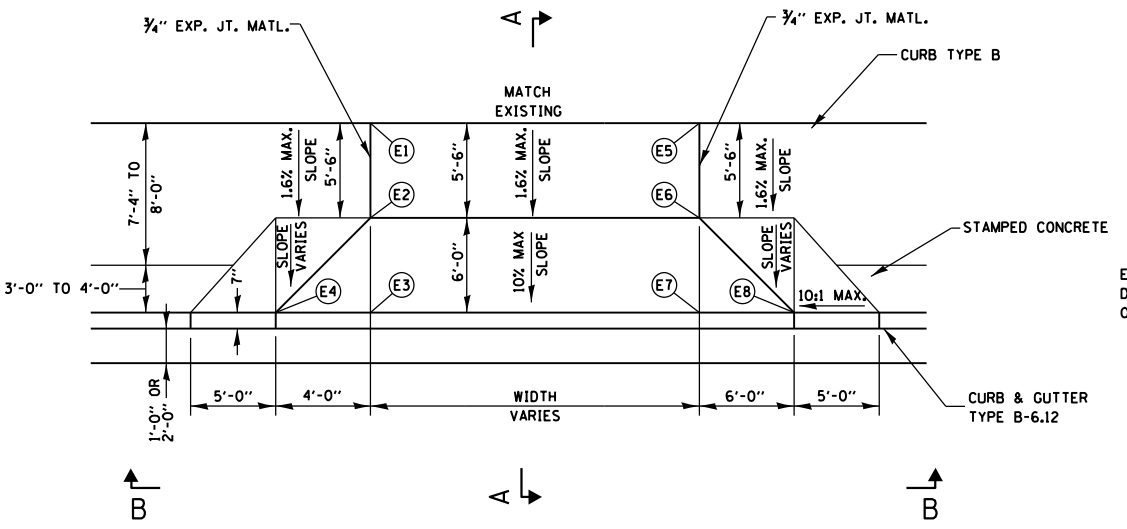
SECTION B-B
N.T.S.

DRIVEWAY ENTRANCE DETAIL WITH ADJACENT SIDEWALK
N.T.S.

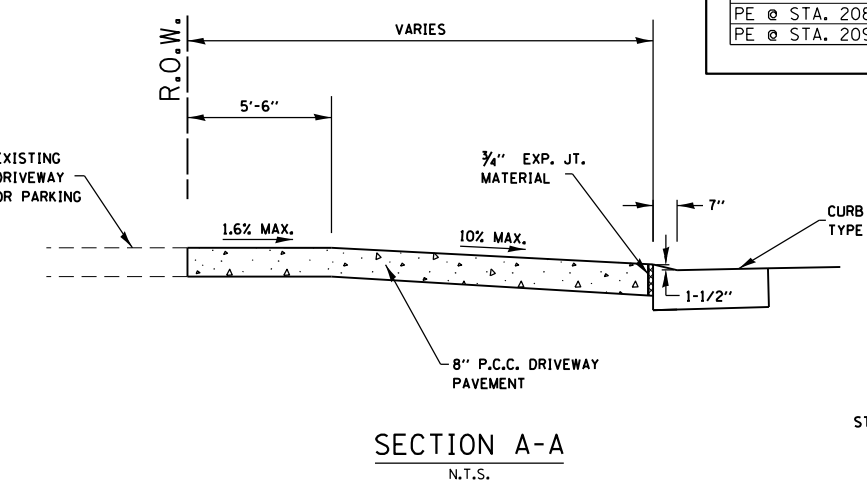
DETAIL APPLICABLE FOR ALL ENTRANCES EXCEPT
P.E. @ STA. 52+79.20 & P.E. @ 104+24.48

ENTRANCE ELEVATION SCHEDULE

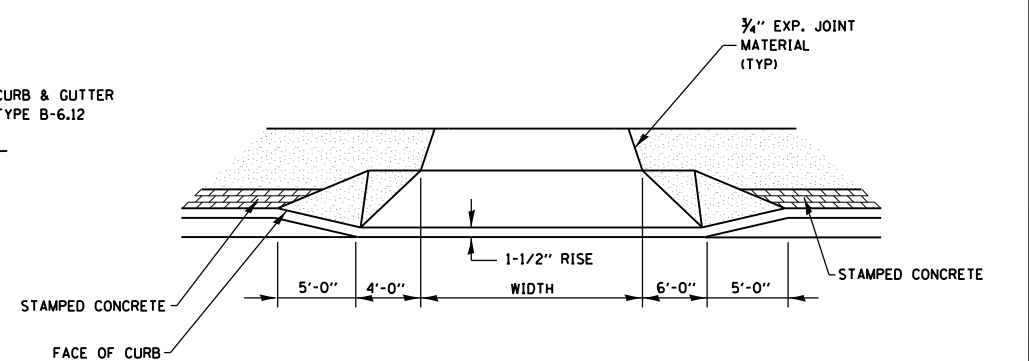
LOCATION	ELEVATION									
	E1	E2	E3	E4	E5	E6	E7	E8	E9	E10
DELMAR AVENUE										
PE @ STA. 52+79.20 RT	422.62	422.54	422.31	422.33	422.64	422.56	422.24	422.21		
PE @ STA. 56+08.96 LT	423.12	423.04	422.44	423.11	422.45	423.18	423.10	422.50	423.15	422.52
EDISON AVENUE										
CE @ STA. 102+41.54 RT	421.75	421.67	421.07	421.71	421.08	421.74	421.66	421.11	421.68	421.13
CE @ STA. 102+89.65 LT	421.85	421.77	421.19	421.78	421.15	421.85	421.77	421.29	421.77	421.31
CE @ STA. 103+33.65 LT	421.86	421.78	421.33	421.78	421.31	421.83	421.75	421.22	421.68	NA
PE @ STA. 103+66.34 LT	421.62	421.54	421.22	421.62	NA	421.91	421.83	421.30	421.84	421.31
PE @ STA. 103+67.53 RT	421.91	421.83	421.29	421.85	421.33	421.83	421.75	421.27	421.74	421.25
CE @ STA. 104+23.30 RT	422.04	421.96	421.50	421.95	421.50	422.00	421.92	421.43	421.91	421.39
CE @ STA. 104+24.48 LT	421.94	421.86	421.30	421.67	421.91	421.83	421.34	421.72		
CE @ STA. 104+72.80 RT	421.83	421.75	421.57	421.79	421.58	422.03	421.95	421.54	421.95	421.50
CE @ STA. 104+87.72 LT	422.00	421.92	421.45	421.91	421.42	422.06	421.98	421.47	421.97	421.48
PE @ STA. 105+43.68 RT	422.23	422.15	421.67	422.17	421.68	422.01	421.93	421.64	421.92	421.63
19TH STREET										
PE @ STA. 204+87.61 RT	421.56	421.48	421.25	421.49	421.21	422.03	421.95	421.43	421.96	421.48
PE @ STA. 204+87.61 LT	422.65	422.57	421.99	422.60	422.04	422.39	422.31	421.93	422.29	421.89
CE @ STA. 207+19.20 LT	421.78	421.70	421.22	421.71	421.25	421.79	421.71	421.25	421.71	421.27
CE @ STA. 207+82.11 LT	421.89	421.81	421.32	421.80	421.30	421.98	421.91	421.32	421.91	421.33
PE @ STA. 208+12.19 RT	422.23	422.15	421.57	422.20	421.62	MATCH EXISTING	NA	NA	NA	NA
PE @ STA. 209+04.39 RT	422.36	422.28	421.85	422.29	421.87	422.33	422.25	421.82	422.24	421.80



PLAN
N.T.S.



SECTION A-A
N.T.S.



SECTION B-B
N.T.S.

DRIVEWAY ENTRANCE DETAIL WITH ADJACENT SIDEWALK
N.T.S.

DETAIL APPLICABLE FOR
P.E. @ STA. 52+79.20

•• SLOPE SIDEWALK AT A 12:1 MAXIMUM TO MATCH DRIVEWAY APRON ELEVATION (TYPICAL BOTH SIDES)

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JUNEAU Job No. E110226

USER NAME = tkruop
PLOT SCALE = 40.0000' / in.
PLOT DATE = 2/8/2018

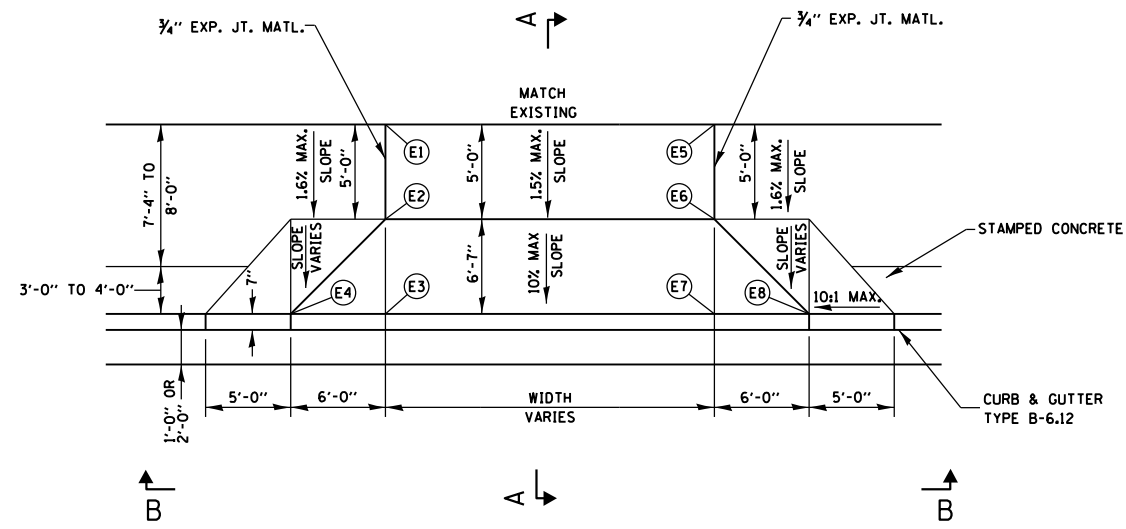
DESIGNED - BFK
DRAWN - RKR
CHECKED - BFK
DATE - 5/11/17

REVISED -
REVISED -
REVISED -
REVISED -

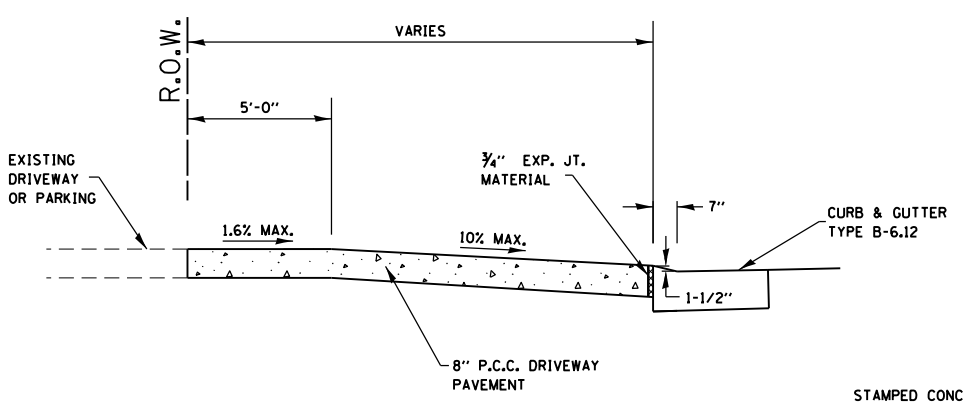
NIEDRINGHAUS AVENUE STREETSCAPE PHASE 2
GRANITE CITY, ILLINOIS

ENTRANCE DETAILS
SCALE: N.T.S. SHEET NO. 1 OF 2 SHEETS STA. TO STA.

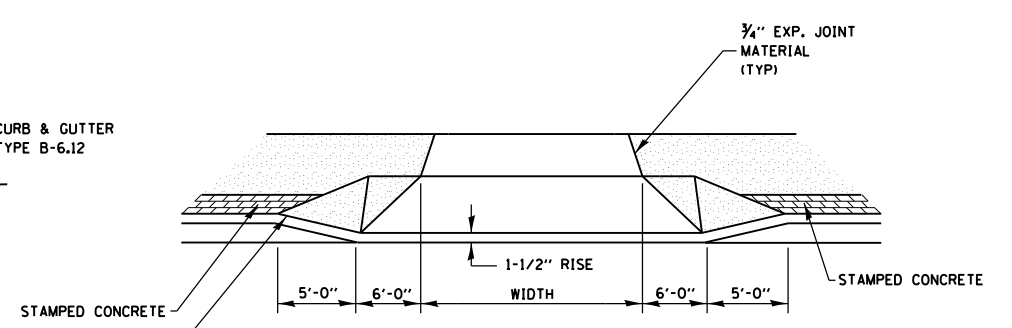
F.A.U. RTE. 9090 SECTION 10-000191-00-LS COUNTY MADISON TOTAL SHEETS 58 SHEET NO. 56 CONTRACT NO. 97653 ILLINOIS FED. AID PROJECT



PLAN
N.T.S.



SECTION A-A
N.T.S.



SECTION B-B
N.T.S.

DRIVEWAY ENTRANCE DETAIL
WITH ADJACENT SIDEWALK
N.T.S.

DETAIL APPLICABLE FOR
P.E. @ STA. 104+24.48 LT

** SLOPE SIDEWALK AT A 12:1 MAXIMUM
TO MATCH DRIVEWAY APRON ELEVATION
(TYPICAL BOTH SIDES)

FILE NAME = entrance.details.dgn	USER NAME = tkruep
JUNEAU Job No. E110226	PLOT DATE = 2/8/2018

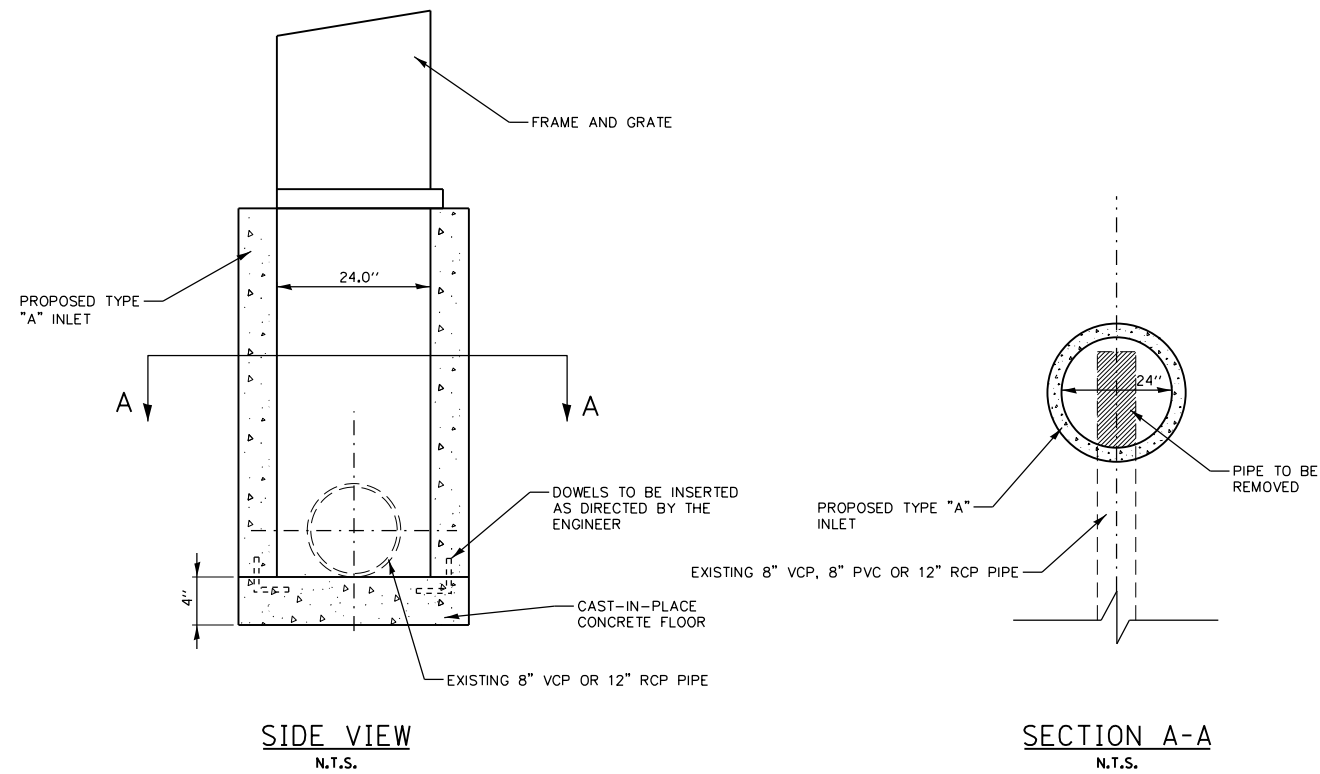
DESIGNED - BFK	REVISD -
DRAWN - RKR	REVISD -
CHECKED - BFK	REVISD -
DATE - 5/11/17	REVISD -

NIEDRINGHAUS AVENUE STREETSCAPE PHASE 2	
GRANITE CITY, ILLINOIS	

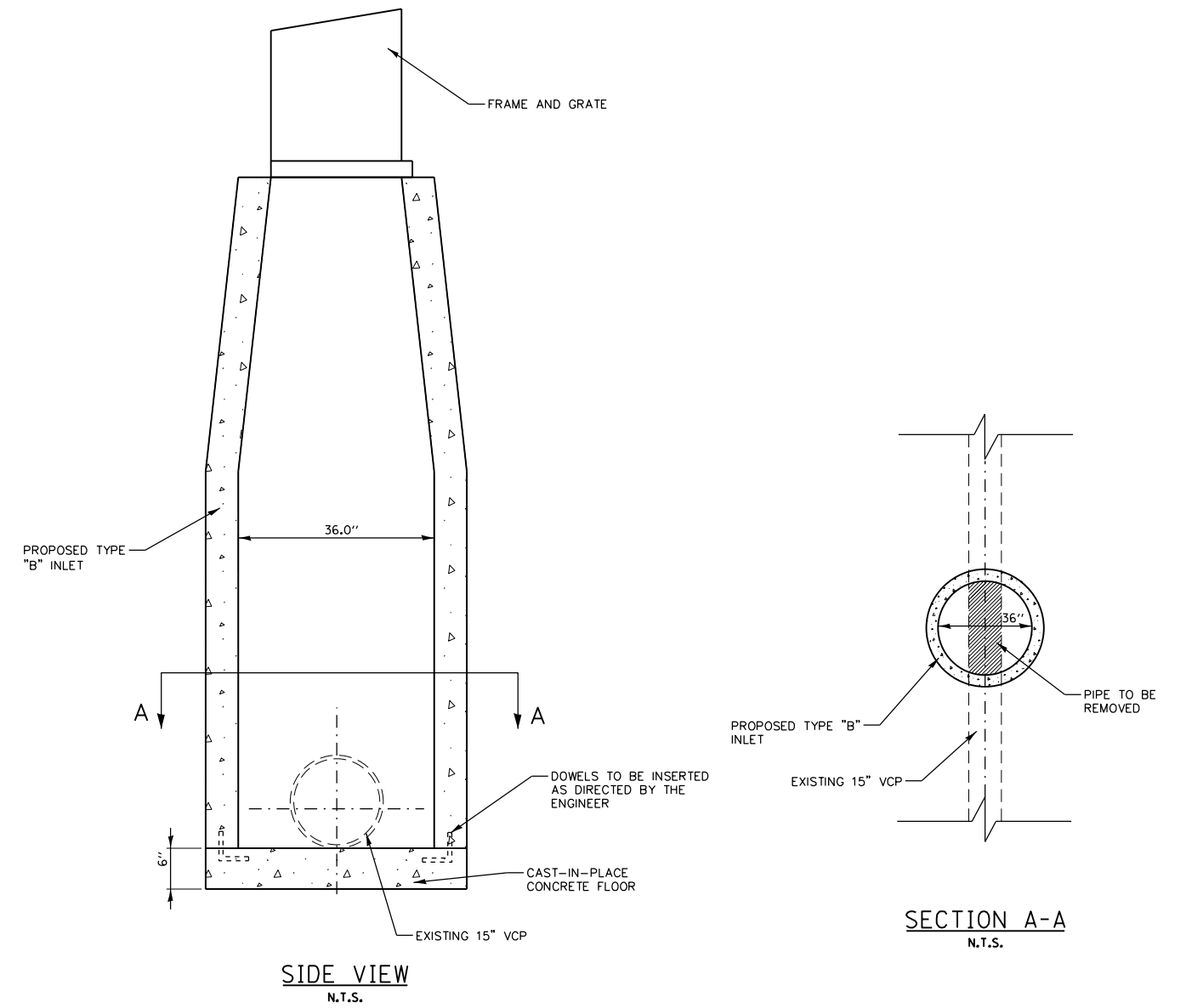
ENTRANCE DETAILS			
SCALE: N.T.S.	SHEET NO. 2 OF 2 SHEETS	STA.	TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
9090	10-000191-00-LS	MADISON	58	57
CONTRACT NO. 97653				

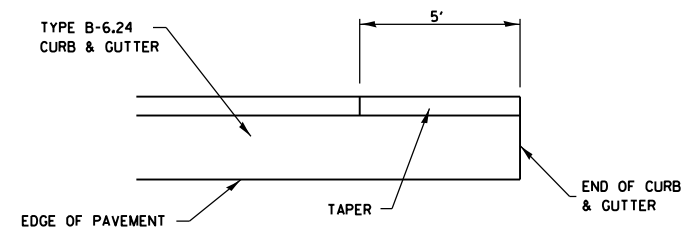
ILLINOIS FED. AID PROJECT				
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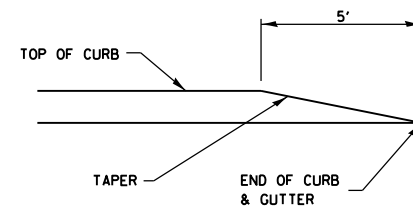
INLET, TYPE A, SET OVER
N.T.S.



INLET, TYPE B, SET OVER
N.T.S.

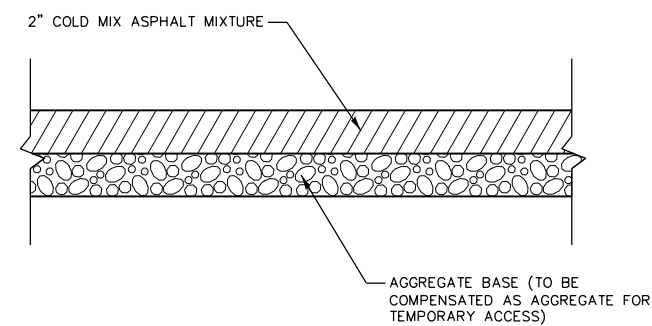


PLAN
N.T.S.

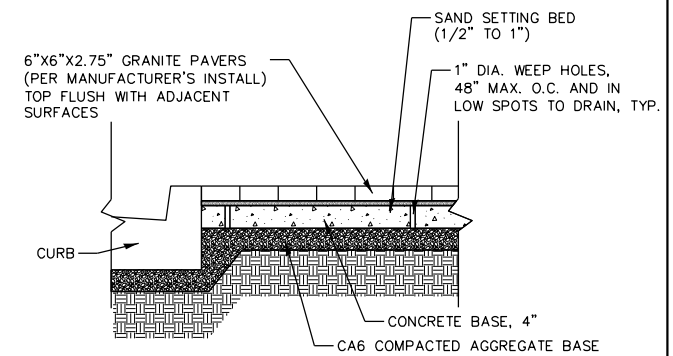


ELEVATION
N.T.S.

CURB AND GUTTER TERMINI
N.T.S.



TEMPORARY COLD MIX ASPHALT SIDEWALK
N.T.S.



GRANITE PAVERS
N.T.S.

FILE NAME = misc.details.dgn	USER NAME = tkruerp	DESIGNED - BFK	REVISED -
JUNEAU Job No. E110226	PLOT SCALE = 40.0000' / in.	DRAWN - RKR	REVISED -
	PLOT DATE = 2/8/2018	CHECKED - BFK	REVISED -
		DATE - 5/11/17	REVISED -

**NIEDRINGHAUS AVENUE STREETSCAPE PHASE 2
GRANITE CITY, ILLINOIS**

MISCELLANEOUS DETAILS			
SCALE: N.T.S.	SHEET NO. 1 OF 1 SHEETS	STA.	TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
9090	10-00191-00-LS	MADISON	58	58
CONTRACT NO. 97653				
ILLINOIS FED. AID PROJECT				