

**ELECTRICAL
&
TRAFFIC
ENGLISH
CADD
REFERENCE
MANUAL**

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EXAMPLES:

ELECTRICAL FILE I.D. No. EL01.DGN
 ┌-----┐
 └-----┘
 |
 └-----┘

(INCLUDES TR01)

(CAN INCLUDE HL01)

ELECTRICAL FILE I.D. No. EL02.DGN
 ┌-----┐
 └-----┘
 |
 └-----┘

(CAN INCLUDE HL02)

TRAFFIC SIGNAL ELECTRICAL & TRAFFIC

TRAFFIC SIGNAL SEQUENCE NO. -----
HIGHWAY CONTROL SECTION NO. -----

XXXXXXXXXX.XXX

TRAFFIC SIGNAL IDENTIFICATION NO. -----
FISCAL YEAR -----
WORK I.D. NO. -----
(DIR#, NTS#, WOR#, TSR#, M#)

EXAMPLE:

RTE. 29 M.P. 7.00 - M.P. 8.75 -----
(RTE. 29 M.P. 7.29) -----

110810108.001

ROUTE 29 & LOWER FERRY ROAD -----
2008 -----
NTS 001 -----

TRAFFIC SIGNAL REVISION ONLY NO ELECTRICAL

(SEE NOTE BELOW)

TRAFFIC SIGNAL SEQUENCE NO. -----
HIGHWAY CONTROL SECTION NO. -----

XXXXXXXXXX.XXX

TRAFFIC SIGNAL IDENTIFICATION NO. -----
FISCAL YEAR -----
REVISION LETTER -----

EXAMPLE:

RTE. 29 M.P. 7.00 - M.P. 8.75 -----
(RTE. 29 M.P. 7.29) -----

110810108.00A

ROUTE 29 & LOWER FERRY ROAD -----
2008 -----
(* REVISION "A" -----

NOTE:

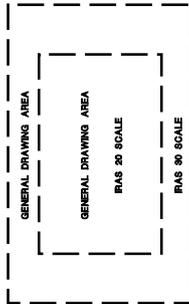
ALL FILES AND REVISIONS MUST BE AS-BUILT PRIOR TO COPYING ANY FILE.

(*) DENOTES ONLY PROJECTS INCLUSIVE TO TRAFFIC PLANS AND NOT ELECTRICAL PLANS.

FOR SPECIAL PROJECTS SEE CADD STAFF FOR FILE NAMING ASSISTANCE.

ROUTE & INTERSECTION
MUNICIPALITY COUNTY
ELECTRICAL INFORMATION
TRAFFIC INFORMATION

SAVED VIEW "EL" ELECTRICAL PLAN



PLAN SHEET — ■

SAVED VIEW "TR" TRAFFIC PLAN

SAVED VIEW "SKA" SKETCH "A"



SAVED VIEW "SKB" SKETCH "B"



NOTE:

EL-SEED-2D.DGN FILE MUST BE UTILIZED FOR ALL NEW FILES AND CONTAINS ALL PROPER WORK SETTINGS.

LEVEL STRUCTURE

<u>LEVEL</u>	<u>DESCRIPTION</u>
1	EXISTING TOPO (REMAINING)
2	PROPOSED TOPO
3-4	OPEN
5	EXISTING ELECTRICAL FOUNDATIONS, CONDUITS, IMAGE DETECTORS & LOOPS
6	PROPOSED ELECTRICAL FOUNDATIONS, CONDUITS, IMAGE DETECTORS & LOOPS
7	EXISTING NJDOT HIGHWAY LIGHTING UNITS
8	PROPOSED NJDOT HIGHWAY LIGHTING UNITS
9	EXISTING ELECTRICAL TRAFFIC SIGNAL NOTES, SCHEDULES, DIAGRAMS & SIGNS
10	PROPOSED ELECTRICAL TRAFFIC SIGNAL NOTES, SCHEDULES, DIAGRAMS & SIGNS
11	EXISTING NJDOT HIGHWAY LIGHTING NOTES & SCHEDULES
12	PROPOSED NJDOT HIGHWAY LIGHTING NOTES & SCHEDULES
13	PROPOSED REMOVAL ITEMS (CHANGE LC=1, WT=1, LV=13, CO=69)
14-15	ITS ITEMS & NOTES
16-22	OPEN
23	EXISTING UTILITIES (REMAINING)
24	PROPOSED UTILITIES
25	ELECTRICAL TITLE BLOCK & SHEET INFORMATION
26	CONSULTANT TITLE BLOCK & SHEET INFORMATION
27	TRAFFIC TITLE BLOCK & SHEET INFORMATION
28-30	OPEN
31	EXISTING TRAFFIC SIGNAL FOUNDATION, STANDARDS, POLE, HEADS, P.B.'S, MAST ARM SIGNS, SIGNAL LEGEND & AREAS OF IMAGE DETECTION
32	PROPOSED TRAFFIC SIGNAL FOUNDATION, STANDARDS, POLE, HEADS, P.B.'S, MAST ARM SIGNS, SIGNAL LEGEND & AREAS OF IMAGE DETECTION
33	OPEN
34	AREA OF DETECTION, (FOR LOOP DETECTION ONLY).
35	OPEN
36	ROADWAY MARKINGS, CROSSWALKS & TURN ARROWS
37	OPEN
38	SIGN LEGEND, TEXT DESCRIPTION NOTES FOR ALL PAINT LINES, LANE WIDTH DIMENSIONS, TAPERS & TRANSITIONS DIMENSIONS.
39-40	OPEN
41	EXISTING REGULATORY SIGNS & NOTES
42	PROPOSED REGULATORY SIGNS & NOTES
43	EXISTING WARNING SIGNS & NOTES
44	PROPOSED WARNING SIGNS & NOTES
45	EXISTING GUIDE SIGNS & NOTES
46	PROPOSED GUIDE SIGNS & NOTES
47-63	OPEN

LEVELS, COLORS, LINE CODES & WEIGHTS

DESCRIPTION

SYMBOLGY

EXISTING TOPO (REMAINING)	LV=1, LC=0, CO=2, WT=0
EXISTING UTILITIES (REMAINING)	LV=23, LC=7, CO=5, WT=1
EXISTING R.O.W.	LV=1, LC=@row, CO=2, WT=2
EXISTING CONDUIT	LV=5, LC=3, CO=10, WT=1
EXISTING LOOP DETECTORS	LV=5, LC=0, CO=10, WT=1
EXISTING AREA OF IMAGE DETECTION	LV=31, LC=1, CO=10, WT=1
EXISTING MAST ARM	LV=31, LC=0, CO=10, WT=1
PROPOSED TOPO	LV=2, LC=0, CO=3, WT=1
PROPOSED UTILITIES	LV=24, LC=7, CO=6, WT=1
PROPOSED R.O.W.	LV=2, LC=@row, CO=3, WT=2
PROPOSED CONDUIT	LV=6, LC=3, CO=3, WT=1
PROPOSED LOOP DETECTORS	LV=6, LC=0, CO=3, WT=1
PROPOSED AREA OF IMAGE DETECTION	LV=32, LC=1, CO=3, WT=1
AREA OF DETECTION (FOR LOOP DETECTION)	LV=34, LC=1, CO=3, WT=2
PROPOSED MAST ARMS	LV=32, LC=0, CO=3, WT=1
PROPOSED REMOVAL OF ALL ITEMS	LV=13, LC=1, CO=69, WT=1
STOP LINE	LV=36, LC=0, CO=69, WT=7
PAINT LINE WHITE	LV=36, LC=0, CO=69, WT=2
PAINT LINE YELLOW	LV=36, LC=0, CO=4, WT=2
GORE LINE	LV=36, LC=0, CO=4, WT=7
CROSSWALK HATCH LINE	UTILIZE CELL "XWHS" , DROP & MODIFY IF NECESSARY
TRAFFIC NOTES GENERAL	LV=38, LC=0, CO=69, WT=0
BLOCK WIRING DIAGRAM	LV=9, LC=0, CO=69, WT=1

ALL NJDOT ROADWAY LINE CODES SHOULD BE UTILIZED AND LEVEL, COLOR AND WEIGHT REVISED AS INDICATED ABOVE.

NOTE:

ALL TEXT IS CO=69 (WHITE) UNLESS OTHERWISE NOTED OR INCLUDED IN CELL PROVIDED.
ALL SHAPES CO=3 (RED) WILL PLOT AS A FILLED AREA.
ALL SHAPES CO=10, LC=7 WILL PLOT AS A SHADED AREA.

TOPO SYMBOLS & CELLS

<u>CELL NAME</u>	<u>SYMBOL</u>	<u>DESCRIPTION</u>
LGTREE		LARGE TREE
SMTREE		SMALL TREE
SHRUB		SHRUB OR BUSH
TPOLE		UTILITY POLE (TELEPHONE, ELECTRIC, ETC.)
WG		WATER OR GAS VALVE, NOTE AS G (GAS), W (WATER)
MH		MAN HOLE
INLET		INLET OR CATCH BASIN
FIREHY		FIRE HYDRANT
INCAND		EXISTING INCANDESCENT LIGHTING UNIT (BY OTHERS)
LUMAIR		EXISTING MV OR SV LIGHTING UNIT (BY OTHERS)
BLT		BREAK LINE TERMINATOR
SS		SURVEYED SIGN

NARROW  NORTH ARROW

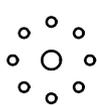
LINE CODES & PATTERNING

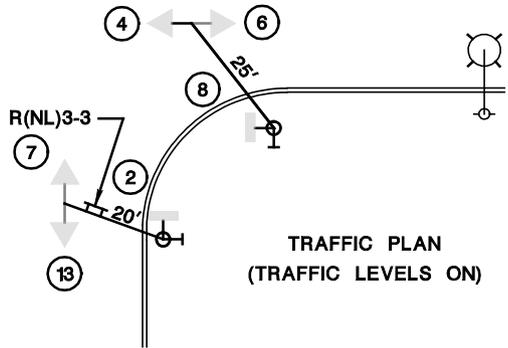
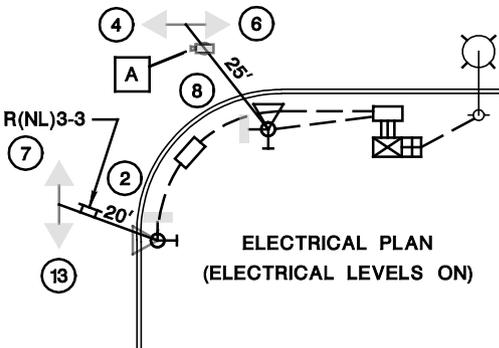
ALL NJDOT ROADWAY LINE CODES SHOULD BE UTILIZED. LEVEL, COLOR AND WEIGHT MUST BE REVISED TO MATCH ELECTRICAL STANDARDS.

NOTE:

ALL CELLS REPRESENT PLACEMENT AT ZERO DEGREES.

EXISTING STANDARD SYMBOLS & CELLS

<u>CELL NAME</u>	<u>SYMBOL</u>	<u>DESCRIPTION</u>
EJBT	○	EXISTING 20" JUNCTION BOX
EFOJB	⊙	EXISTING FIBER OPTIC JUNCTION BOX
EJB	□	EXISTING RECTANGULAR JUNCTION BOX (SIZE AS NOTED)
EJBF	◻ ○	EXISTING JUNCTION BOX FOUNDATION / POLE
EJBFM	◻ ○	EXISTING JUNCTION BOX FOUNDATION MODIFIED / POLE
ESFT	○	EXISTING FOUNDATION / POLE
EMCF	⊞	EXISTING METER CABINET FOUNDATION
EP	⊠	EXISTING P OR 1M FOUNDATION (AS NOTED)
EPMC	⊞⊞	EXISTING P-MC FOUNDATION
E2MMC	⊞⊞⊞	EXISTING 2MMC FOUNDATION
ESIGHD	➔	EXISTING TRAFFIC SIGNAL HEAD
EPEDHD	➔	EXISTING PEDESTRIAN SIGNAL HEAD
ETASHD	⬆️⬆️	EXISTING TRAFFIC HEAD FOR "TA" ASSEMBLY
ESIGID	○	SIGNAL INDICATION NUMBER / CIRCLE
EPB	➔	EXISTING PEDESTRIAN PUSH BUTTON
EPEN	⊙	EXISTING PENDANT - VERTICAL LIGHTING UNIT
ELUMIN	◻	EXISTING MV OR SV LUMINAIRE
EEXP	▽	EXISTING OFFSET LIGHTING UNIT (EXPRESSWAY)
EUDLU	⊞	EXISTING UNDERDECK LIGHTING UNIT
ETOWER		EXISTING TOWER LIGHTING UNIT



EXISTING STANDARD SYMBOLS & CELLS

<u>CELL NAME</u>	<u>SYMBOL</u>	<u>DESCRIPTION</u>
ECAM		EXISTING IMAGE DETECTOR
IDID		IMAGE DETECTOR / CAMERA ID SQUARE
EMWD		EXISTING MICROWAVE DETECTOR
EMAS		EXISTING MAST ARM SIGN
EPMSR		EXISTING POST MOUNTED REGULATORY SIGN
EPMSW		EXISTING POST MOUNTED WARNING SIGN
EPMSG		EXISTING POST MOUNTED GUIDE AND ANONYMOUS SIGN
XWHS		CROSSWALK HATCH STRIPE

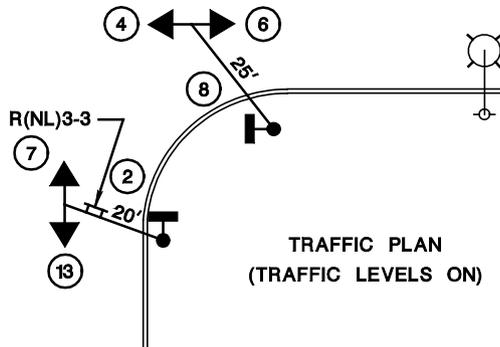
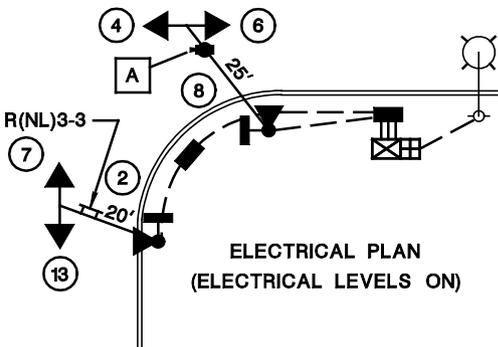
<u>CELL NAME</u>	<u>SYMBOL</u>	<u>DESCRIPTION</u>
ENTS (*)	DATA FIELD <hr/> DATA FIELD DATA FIELD DATA FIELD DATA FIELD DATA FIELD	TRAFFIC SIGNAL NOTES
ENLTG (*)	DATA FIELD <hr/> DATA FIELD DATA FIELD DATA FIELD DATA FIELD DATA FIELD	HIGHWAY LIGHTING NOTES

NOTE:

(*) DROP CELL STATUS, ENTER DATA FIELD & DELETE BLANK DATA FIELD LINES NOT UTILIZED.
DO NOT EDIT DATA FIELDS.

PROPOSED STANDARD SYMBOLS & CELLS

<u>CELL NAME</u>	<u>SYMBOL</u>	<u>DESCRIPTION</u>
PJBT	●	PROPOSED 20" JUNCTION BOX
PFOJB	⊕	PROPOSED FIBER OPTIC JUNCTION BOX
PJB	■	PROPOSED RECTANGULAR JUNCTION BOX (SIZE AS NOTED)
PJBF	■ ●	PROPOSED JUNCTION BOX FOUNDATION / POLE
PJBFM	■ ●	PROPOSED JUNCTION BOX FOUNDATION MODIFIED / POLE
PSFT	● ●	PROPOSED FOUNDATION AND TRAFFIC POLE
PMCF	⊞	PROPOSED METER CABINET FOUNDATION
PP	⊠	PROPOSED P OR 1M FOUNDATION (AS NOTED)
PPMC	⊞⊞	PROPOSED P-MC FOUNDATION
P2MMC	⊞⊞⊞	PROPOSED 2MMC FOUNDATION
PSIGHD	➔	PROPOSED TRAFFIC SIGNAL HEAD
PPEDHD	┆	PROPOSED PEDESTRIAN SIGNAL HEAD
PTASHD	↑↑↑	PROPOSED TRAFFIC HEAD FOR "TA" ASSEMBLY
PSIGID	○	SIGNAL INDICATION NUMBER / CIRCLE
PPB	┆	PROPOSED PEDESTRIAN PUSH BUTTON
PPEN	●	PROPOSED PENDANT - VERTICAL LIGHTING UNIT
PLUMIN	●	PROPOSED MV OR SV LUMINAIRE
PEXP	▼	PROPOSED OFFSET LIGHTING UNIT (EXPRESSWAY)
PUDLU	■	PROPOSED UNDERDECK LIGHTING UNIT
PTOWER	● ● ● ● ● ● ● ● ● ●	PROPOSED TOWER LIGHTING UNIT



PROPOSED STANDARD SYMBOLS & CELLS

<u>CELL NAME</u>	<u>SYMBOL</u>	<u>DESCRIPTION</u>
PCAM		PROPOSED IMAGE DETECTOR
IDID		IMAGE DETECTOR / CAMERA ID SQUARE
PMWD		PROPOSED MICROWAVE DETECTOR
PMAS		PROPOSED MAST ARM SIGN
PPMSR		PROPOSED POST MOUNTED REGULATORY SIGN
PPMSW		PROPOSED POST MOUNTED WARNING SIGN
PPMSG		PROPOSED POST MOUNTED GUIDE AND ANONYMOUS SIGN
XWHS		CROSSWALK HATCH STRIPE

<u>CELL NAME</u>	<u>SYMBOL</u>	<u>DESCRIPTION</u>
CINS (*)	<hr/> CONSTRUCT: DATA FIELD INSTALL: DATA FIELD DATA FIELD DATA FIELD DATA FIELD DATA FIELD	TRAFFIC SIGNAL NOTES
CINL (*)	<hr/> CONSTRUCT: DATA FIELD INSTALL: DATA FIELD DATA FIELD DATA FIELD DATA FIELD DATA FIELD	HIGHWAY LIGHTING NOTES

NOTE:

(*) DROP CELL STATUS, ENTER DATA FIELD & DELETE BLANK DATA FIELD LINES NOT UTILIZED.
DO NOT EDIT DATA FIELDS.

TRAFFIC SIGNAL WIRING DIAGRAM SYMBOLS & CELLS

<u>CELL NAME</u>	<u>SYMBOL</u>	<u>DESCRIPTION</u>
SIGS		SIGNAL FACE ID (FOR BLOCK WIRING DIAGRAM)
PEDS		PEDESTRIAN SIGNAL FACE ID (FOR BLOCK WIRING DIAGRAM) IMAGE DETECTOR BLOCK (FOR BLOCK WIRING DIAGRAM)
PBS		PUSH BUTTON ID (FOR BLOCK WIRING DIAGRAM)
LOOPS		LOOP DETECTOR ID (FOR BLOCK WIRING DIAGRAM)

LOAD CENTER SCHEMATIC SYMBOLS & CELLS

CELL SYMBOL

EXPS		SCHEMATIC OFFSET LIGHTING UNIT (EXPRESSWAY)
HPLS		SCHEMATIC MV,SV LIGHTING UNIT
PENS		SCHEMATIC PENDANT LIGHTING UNIT
UDLUS		SCHEMATIC UNDERDECK LIGHTING UNIT
250ES		SCHEMATIC 250 WATT OFFSET LIGHTING UNIT (EXPRESSWAY)
250CS		SCHEMATIC 250 WATT HPS LIGHTING UNIT
SLUS		SCHEMATIC SIGN LIGHTING UNIT
400ES		SCHEMATIC 400 WATT OFFSET LIGHTING UNIT (EXPRESSWAY)
TWRS		SCHEMATIC TOWER LIGHTING UNIT
150CO		SCHEMATIC 150 WATT CUTOFF LIGHTING UNIT
250CO		SCHEMATIC 250 WATT CUTOFF LIGHTING UNIT

NOTE:

CELLS ARE TO BE PLACED ON DETAIL SHEET FOR LOAD CENTER AT AS=1.

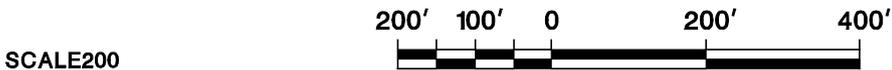
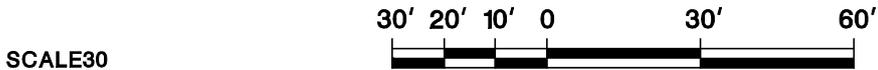
DETECTOR SCHEDULE AND SCALE BAR CELLS

CELL NAME

LOOP DETECTOR SCHEDULE

DETSCH	DETECTOR		LOOP	MODE	SIZE	NO.OF TURNS	MH
	NO.	CHANNEL					
				PRESENCE			

DETSCL				PRESENCE			
--------	--	--	--	----------	--	--	--



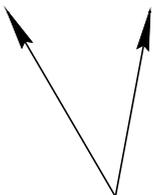
NOTE:

CELLS ARE TO BE PLACED ON THE PLAN SHEET AT AS=1.

ELECTRICAL TO BE CONSTRUCTED & ITEMS CELLS

CELL NAME

AC=TBC	ITEM NUMBER	TO BE CONSTRUCTED	CONTRACT QUANTITY
AC=0LF	*	*	LF
AC=0U	*	*	UNIT
AC=0SY	*	*	SY
AC=0CY	*	*	CY
AC=0LS	*	*	LUMP SUM
AC=701012P	701012P	1½" RIGID METALLIC CONDUIT	LF



CELL NAME SAME AS STANDARD ITEM NUMBER.

NOTE:

CELLS ARE TO BE PLACED ON THE PLAN SHEET AT AS=1.

PAVEMENT MARKING ARROW CELLS

<u>CELL NAME</u>	<u>SYMBOL</u>	<u>DESCRIPTION</u>
ARROWT		THRU ARROW
ARROWL		LEFT TURN ARROW
ARROWR		RIGHT TURN ARROW
ARROTR		THRU & RIGHT TURN ARROW
ARROLT		THRU & LEFT TURN ARROW
ARROUL		U & LEFT TURN ARROW
ARROU		U TURN ARROW
ONLY	ONLY	PAINTED ROADWAY ONLY

NOTE:

CELLS ARE TO BE PLACED ON ROADWAY AT AS=1.

GENERAL TEXT SIZE & COLOR INFORMATION

<u>BOARD</u>		<u>TX=\$</u>		<u>SCALE</u>
80	——	0.088	——	1:1
100	——	0.108	——	1:1
120	——	0.127	——	1:1
140	——	0.147	——	1:1
175	——	0.166	——	1:1
200	——	0.197	——	1:1

CELL NAME

TEXT

80 BOARD TEXT AT 1 SCALE

100 BOARD TEXT AT 1 SCALE

120 BOARD TEXT AT 1 SCALE

140 BOARD TEXT AT 1 SCALE

175 BOARD TEXT AT 1 SCALE

200 BOARD TEXT AT 1 SCALE

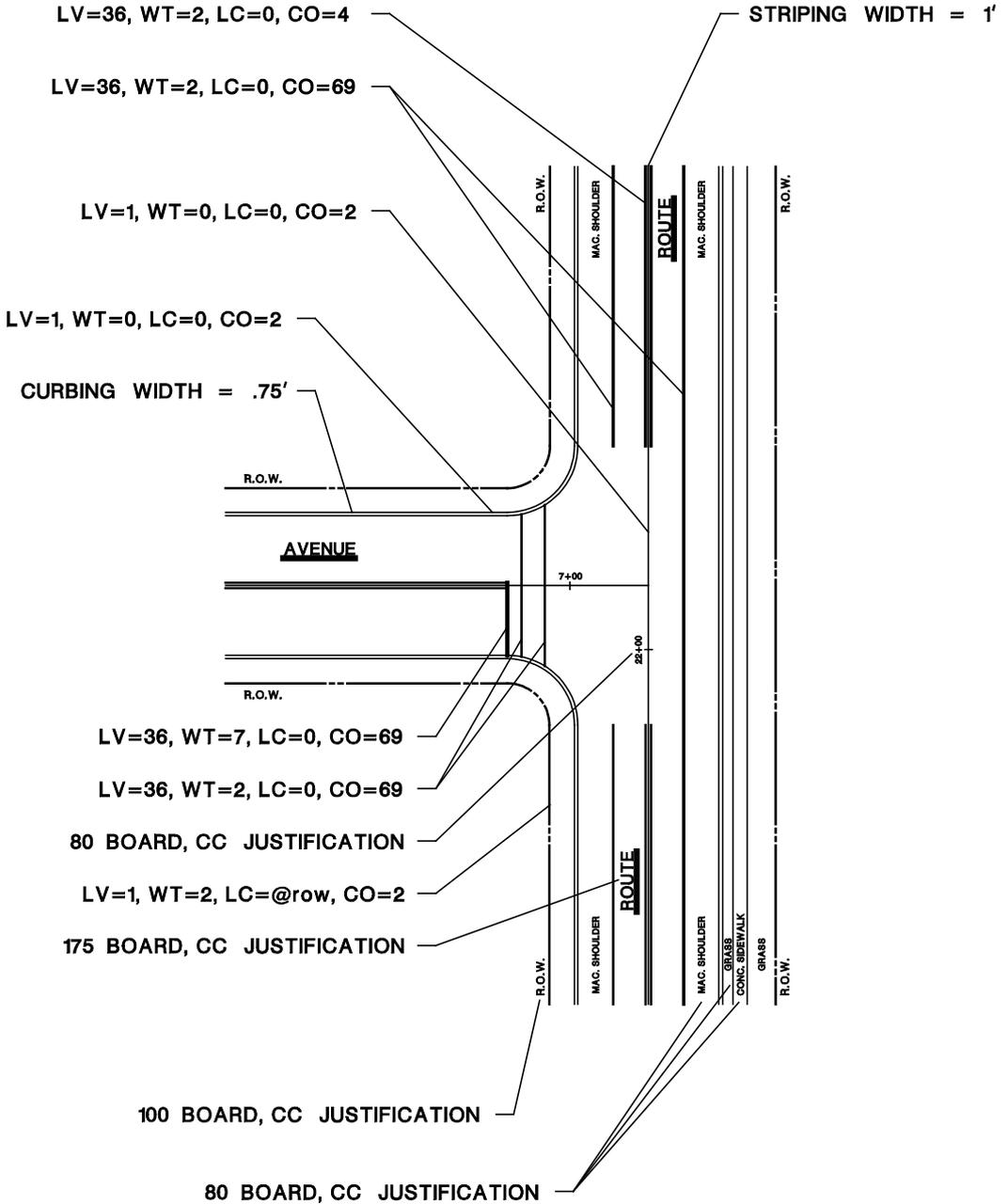
NOTE:

TEXT SIZE IS SHOWN AT AS=1.

COLORS

CO=2	GREEN
CO=3	RED
CO=4	YELLOW
CO=5	PURPLE
CO=10	BLUE
CO=18	GRAY
CO=69	WHITE

TYPICAL TOPO NOTES



NOTE:

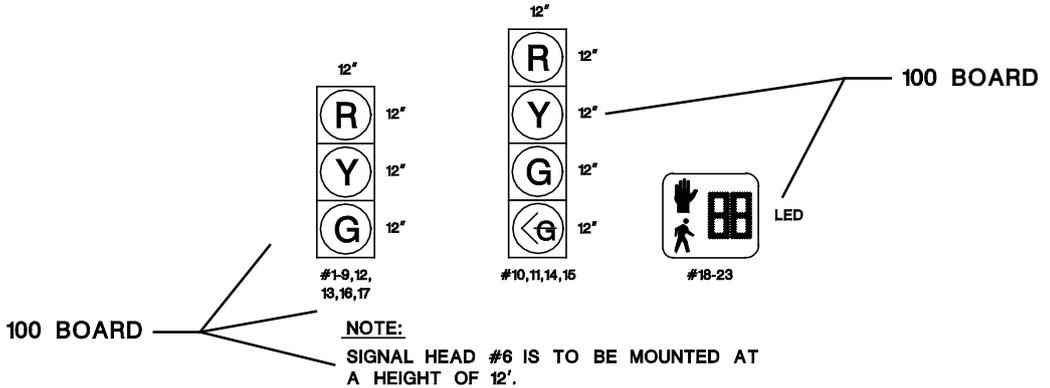
STATE HIGHWAY SHOULD BE PLACED HORIZONALLY IN FILE WITH NORTH ARROW FACING UP.

ALL NJDOT ROADWAY LINE CODES SHOULD BE UTILIZED. LEVEL AND COLOR MUST BE REVISED TO MATCH ELECTRICAL STANDARDS,

ALL TEXT MUST BE CO=69 (WHITE) UNLESS OTHERWISE NOTED.

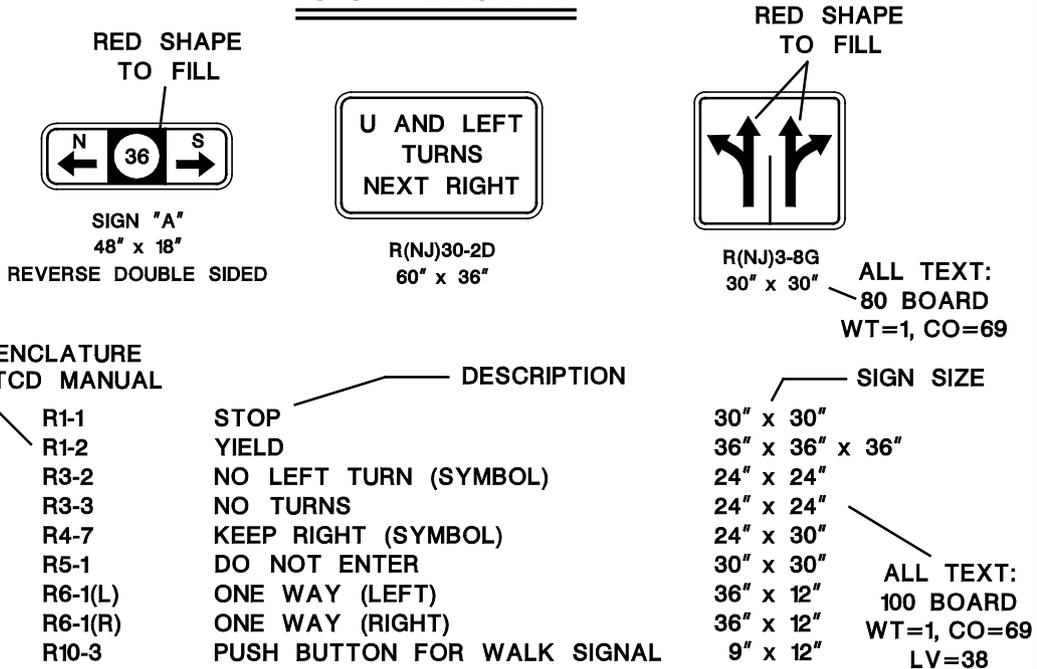
SIGNAL LEGEND, SIGN LEGEND & SAMPLE SIGNS

175 BOARD — SIGNAL LEGEND



SIGNAL LEGEND AND RELATED NOTES TO BE PLACED ON THE PLAN SHEET AT AS=1 AND LV=31.

175 BOARD, WT=2, CO=69 — SIGN LEGEND



NOTE:

ALL SIGNS FROM MUTCD MANUAL ARE TO BE SHOWN IN CHART FORM AS SHOWN.

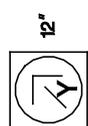
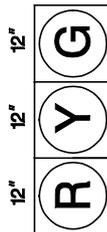
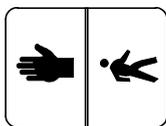
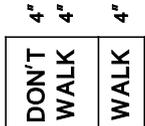
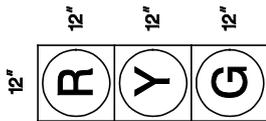
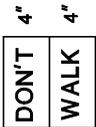
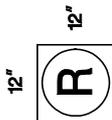
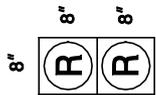
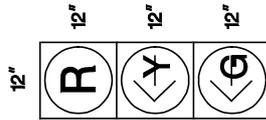
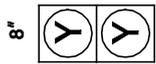
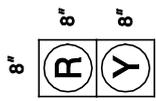
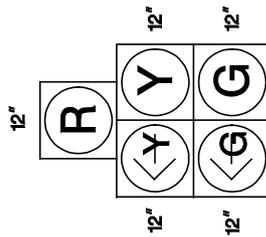
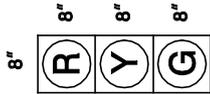
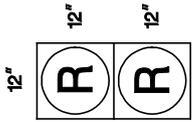
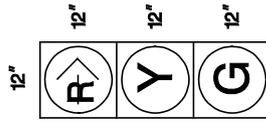
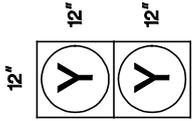
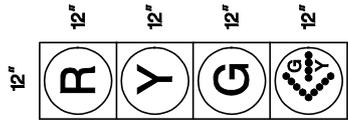
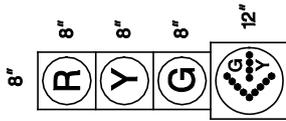
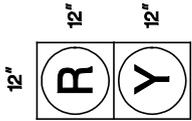
ALL N.J.D.O.T. SIGNS ARE TO BE DRAWN AND NOTED AS SHOWN.

SIGN LEGEND & ALL (NJ) SIGNS ARE TO BE PLACED ON LV=38.

ALL MAST ARM SIGNS TO BE PLACED ON LV=31.

SIGN CELLS PROVIDED TO BE PLACED AT AS=1.

SIGNAL HEADS CELLS



CELL NAME = HEADS

SAVED VIEW & PLOTTING LEVELS FOR TRAFFIC PLAN

<u>LEVEL</u>	<u>DESCRIPTION</u>
1	—— EXISTING TOPO (REMAINING)
2	—— PROPOSED TOPO
7	—— EXISTING LIGHTING CELLS
8	—— PROPOSED LIGHTING CELLS
27	—— TRAFFIC TITLE BLOCK & SHEET INFORMATION
29	—— EXISTING TRAFFIC SIGNAL POLE
30	—— PROPOSED TRAFFIC SIGNAL POLE
31	—— EXISTING TRAFFIC SIGNAL STANDARDS, ASSEMBLIES, P.B.'S & MAST ARM SIGNS
32	—— PROPOSED TRAFFIC SIGNAL STANDARDS, ASSEMBLIES, P.B.'S & MAST ARM SIGNS
34	—— PROPOSED AREA OF DETECTION
36	—— ROADWAY MARKINGS, CROSSWALKS & TURN ARROWS
38	—— BUREAU OF TRAFFIC ENGINEERING DESCRIPTION NOTES & SIGN LEGEND
41	—— EXISTING REGULATORY SIGNS
42	—— PROPOSED REGULATORY SIGNS
43	—— EXISTING WARNING SIGNS
44	—— PROPOSED WARNING SIGNS
45	—— EXISTING GUIDE SIGNS
46	—— PROPOSED GUIDE SIGNS

NOTE:

ALL LEVELS NOT INDICATED SHOULD BE TURNED OFF.
SAVED VIEWED NAME: SV=TR, TRAFFIC PLAN.

SAVED VIEW & PLOTTING LEVELS FOR ELECTRICAL PLAN

<u>LEVEL</u>	<u>DESCRIPTION</u>
1	—— EXISTING TOPO (REMAINING)
2	—— PROPOSED TOPO
5	—— EXISTING JUNCTION BOX FOUNDATIONS, CONDUITS & LOOP DETECTORS
6	—— PROPOSED JUNCTION BOX FOUNDATIONS, CONDUITS & LOOP DETECTORS
7	—— EXISTING LIGHTING ASSEMBLIES
8	—— PROPOSED LIGHTING ASSEMBLIES
9	—— EXISTING ELECTRICAL TRAFFIC SIGNAL NOTES, SCHEDULES & DIAGRAMS
10	—— PROPOSED ELECTRICAL TRAFFIC SIGNAL NOTES
11	—— EXISTING LIGHTING NOTES & SCHEDULES
12	—— PROPOSED LIGHTING NOTES & SCHEDULES
23	—— EXISTING UTILITIES AND/OR REMAINING UTILITES IN CONSTRUCTION PROJECTS. (THIS LEVEL IS TO BE TURNED OFF IN THE SAVED VIEW)
24	—— PROPOSED UTILITIES (THIS LEVEL IS TO BE TURNED OFF IN THE SAVED VIEW)
25	—— ELECTRICAL TITLE BLOCK & SHEET INFORMATION
31	—— EXISTING TRAFFIC SIGNAL FOUNDATION, STANDARDS, POLE, HEADS, P.B.'S, MAST ARM SIGNS, SIGNAL LEGEND & AREAS OF IMAGE DETECTION
32	—— PROPOSED TRAFFIC SIGNAL FOUNDATION, STANDARDS, POLE, HEADS, P.B.'S, MAST ARM SIGNS, SIGNAL LEGEND & AREAS OF IMAGE DETECTION
36	—— ROADWAY MARKINGS, CROSS WALKS & TURN ARROWS

NOTE:

THE MAST ARM SIGN LEGEND IS TO BE LV=31 & APPEAR ON BOTH THE ELECTRICAL & TRAFFIC PLANS UNLESS THERE IS A PLACEMENT CONFLICT. IN THAT CASE THE MAST ARM SIGN LEGEND SHOULD BE DUPLICATED WITH ONE PLACED ON LV=9 FOR THE ELECTRICAL PLAN & THE OTHER ON LV=38 FOR THE TRAFFIC PLAN.

GENERAL INFORMATION

- 1 ——— ELECT-SEED-2D.DGN SEED FILE PROVIDED MUST BE UTILIZED FOR ALL TE CADD FILES.
- 2 ——— ELECTRICAL PLAN SAVED VIEW (SV=EL) AND TRAFFIC PLAN SAVED VIEW (SV=TR) MUST BE PLACED ON THE PLAN SHEET AS SEPARATE REFERENCE FILES.
- 3 ——— SKETCHES MUST BE PLACED ON PLAN SHEET AS SEPARATE REFERENCE FILES. (SV=SKA, SKETCH A), (SV=SKB, SKETCH B) ETC.
- 4 ——— SPLIT ROADWAY AREAS AND MATCH LINE AREAS MUST BE INDICATED IN SEPARATE SKETCH AREAS AND PLACED ON PLAN SHEET AS SEPARATE REFERENCE FILES.
- 5 ——— ALL TEXT AND CELLS TO BE PLACED AT ACTIVE AND TERMINATING SCALE OF THE REFERENCE FILE THAT IS TO BE PLACE ON PLAN SHEET UNLESS OTHERWISE NOTED IN THE MANUAL.
- 6 ——— LOOP DETECTOR SCHEDULE TO BE PLACED IN UPPER RIGHT HAND CORNER OF THE PLAN SHEET AT AS=1.
- 7 ——— ELECTRICAL BLOCK WIRING DIAGRAM TO BE PLACED IN LOWER LEFT HAND CORNER OF THE PLAN SHEET AT AS=1.
- 8 ——— TO BE CONSTRUCTED BLOCK TO BE PLACED ON THE PLAN SHEET AT AS=1 OR CAN BE SCALED DOWN IF REQUIRED.
- 9 ——— SIGNAL LEGEND & PERTAINING NOTES TO BE PLACED ON PLAN SHEET AT AS=1.
- 10 ——— SIGN LEGEND & PERTAINING NOTES TO BE PLACED ON PLAN SHEET AT AS=1.
- 11 ——— LEADER LINES MUST NOT CROSS OVER FROM ONE SIDE OF ROADWAY TO THE OPPOSITE SIDE OF ROADWAY OR RUN THROUGH PLACED CELLS, MAST ARMS, DIMENSIONS, NOTES AND/OR OTHER LEADER LINES.
- 12 ——— SKETCHES SHOULD BE UTILIZED FOR ALL ISLAND AND CROWDED AREAS.
- 13 ——— SAVE ALL VIEWS WITH DATA FIELDS TURNED OFF !!!
- 14 ——— COMPRESS AND SAVE SETTINGS BEFORE EXITING FILE AS;
VIEW 1 - FIT VIEW, VIEW 5 - PLAN SHEET VIEW
- 15 ——— NJDOT TRAFFIC ENGINEERING CADD CONTACT:
NOEL BARBOSA PHONE (609)530-2620 E-MAIL NOEL.BARBOSA@DOT.STATE.NJ.US